

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102318\
 Data File : VX005530.D
 Acq On : 23 Oct 2018 19:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:02:53 AM

Quant Time: Oct 24 03:51:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	217942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	319789	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	132063	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
35) Dibromofluoromethane	5.51	113	111536	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	8.72	98	358104	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.14	95	137101	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81663	47.923	ug/l	99
3) Chloromethane	1.32	50	115538	46.793	ug/l	98
4) Vinyl Chloride	1.41	62	120416	48.142	ug/l	99
5) Bromomethane	1.64	94	55473	39.394	ug/l	90
6) Chloroethane	1.71	64	71620	48.324	ug/l	99
7) Trichlorofluoromethane	1.93	101	164998	49.432	ug/l	98
8) Diethyl Ether	2.19	74	71042	49.841	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	100434	52.132	ug/l	98
10) Methyl Iodide	2.51	142	76077	36.710	ug/l	98
11) Tert butyl alcohol	3.08	59	175370	257.023	ug/l	99
12) 1,1-Dichloroethene	2.37	96	94788	49.658	ug/l	89
13) Acrolein	2.29	56	91555	209.932	ug/l	96
14) Allyl chloride	2.73	41	219806	52.449	ug/l	94
15) Acrylonitrile	3.15	53	400149	258.800	ug/l	99
16) Acetone	2.45	43	348659	249.303	ug/l	97
17) Carbon Disulfide	2.57	76	246591	42.645	ug/l	99
18) Methyl Acetate	2.78	43	232761	58.500	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	357336	53.154	ug/l	95
20) Methylene Chloride	2.85	84	114692	56.452	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	104436	49.370	ug/l	87
22) Diisopropyl ether	3.87	45	409144	58.125	ug/l #	89
23) Vinyl Acetate	3.83	43	1720918	279.717	ug/l	96
24) 1,1-Dichloroethane	3.70	63	213425	52.904	ug/l	98
25) 2-Butanone	4.70	43	589846	288.261	ug/l #	85
26) 2,2-Dichloropropane	4.58	77	155707	51.608	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	121293	52.760	ug/l	94
28) Bromochloromethane	5.01	49	123478	67.142	ug/l	93
29) Tetrahydrofuran	5.15	42	364518	279.275	ug/l	92
30) Chloroform	5.22	83	197971	52.871	ug/l	99
31) Cyclohexane	5.58	56	173107	52.063	ug/l #	83
32) 1,1,1-Trichloroethane	5.50	97	181203	55.616	ug/l	97
36) 1,1-Dichloropropene	5.79	75	141679	45.745	ug/l	99
37) Ethyl Acetate	4.86	43	212048	53.238	ug/l	96
38) Carbon Tetrachloride	5.78	117	154315	49.588	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	147235	43.925	ug/l #	83
40) Benzene	6.15	78	428846	46.158	ug/l	92
41) Methacrylonitrile	5.06	41	116517	54.567	ug/l	96
42) 1,2-Dichloroethane	6.20	62	164545	50.157	ug/l	96
43) Isopropyl Acetate	6.46	43	292671	55.161	ug/l	94
44) Trichloroethene	7.21	130	102991	43.332	ug/l	95
45) 1,2-Dichloropropane	7.52	63	110165	48.339	ug/l	98
46) Dibromomethane	7.66	93	68729	45.692	ug/l	98
47) Bromodichloromethane	7.90	83	135589	48.733	ug/l	99
48) Methyl methacrylate	7.77	41	138281	50.251	ug/l	93
49) 1,4-Dioxane	7.75	88	58032	914.320	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	957737	260.697	ug/l	93
52) Toluene	8.79	92	241094	47.432	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	154810	51.415	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	160072	49.064	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	105603	49.052	ug/l	97
56) Ethyl methacrylate	9.18	69	162604	51.810	ug/l	91
57) 1,3-Dichloropropane	9.37	76	173485	48.279	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	445206	252.940	ug/l	93
59) 2-Hexanone	9.50	43	753817	255.082	ug/l	92
60) Dibromochloromethane	9.59	129	110643	49.719	ug/l	99
61) 1,2-Dibromoethane	9.68	107	107759	47.694	ug/l	99
64) Tetrachloroethene	9.34	164	103214	47.912	ug/l	97
65) Chlorobenzene	10.14	112	273854	48.113	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	103639	51.094	ug/l	99
67) Ethyl Benzene	10.26	91	473332	51.153	ug/l	98
68) m/p-Xylenes	10.36	106	362839	101.027	ug/l	94
69) o-Xylene	10.70	106	173764	50.166	ug/l	94
70) Styrene	10.71	104	298328	52.364	ug/l	96
71) Bromoform	10.86	173	93226	51.432	ug/l	99
73) Isopropylbenzene	11.02	105	485939	53.785	ug/l	99
74) N-amyl acetate	10.90	43	243263	55.824	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	174047	51.067	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	163031m	55.302	ug/l	
77) Bromobenzene	11.26	156	129802	50.247	ug/l	97
78) n-propylbenzene	11.36	91	555219	53.403	ug/l	99
79) 2-Chlorotoluene	11.42	91	331169	52.011	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	415047	53.645	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	49750	51.277	ug/l	99
82) 4-Chlorotoluene	11.51	91	393779	52.170	ug/l	99
83) tert-Butylbenzene	11.77	119	413476	52.774	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	424953	53.372	ug/l	98
85) sec-Butylbenzene	11.94	105	496603	53.560	ug/l	99
86) p-Isopropyltoluene	12.07	119	443731	52.949	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	238867	49.484	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	241716	48.948	ug/l	99
89) n-Butylbenzene	12.39	91	392665	51.605	ug/l	97
90) Hexachloroethane	12.60	117	74903	51.862	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	242954	49.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43038	51.768	ug/l	96

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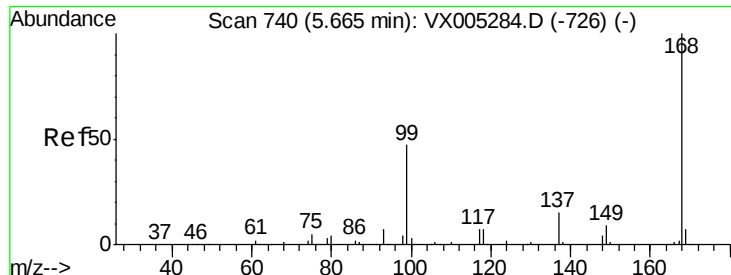
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	183445	50.758	ug/l	99
94) Hexachlorobutadiene	13.79	225	89348	46.809	ug/l	96
95) Naphthalene	13.83	128	579837	55.321	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	190630	51.551	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 217942

Ion Ratio Lower Upper

168 100

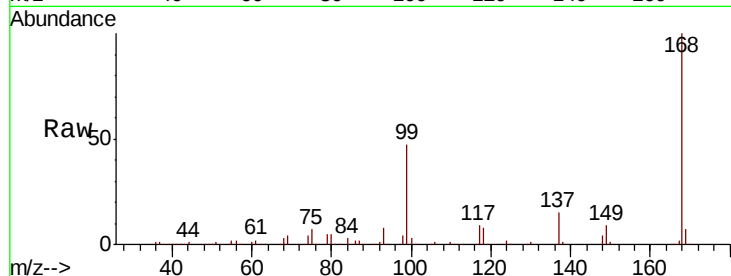
99 47.0 39.9 59.9

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10/24/2018 10:02:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

40000

20000

0

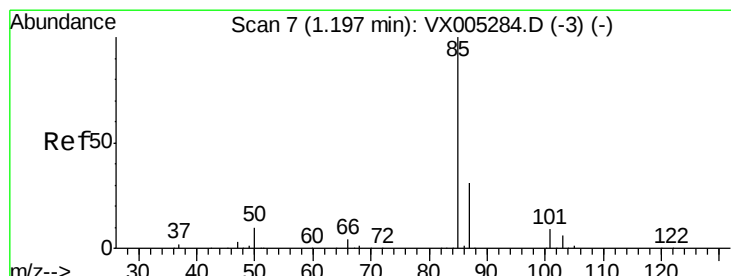
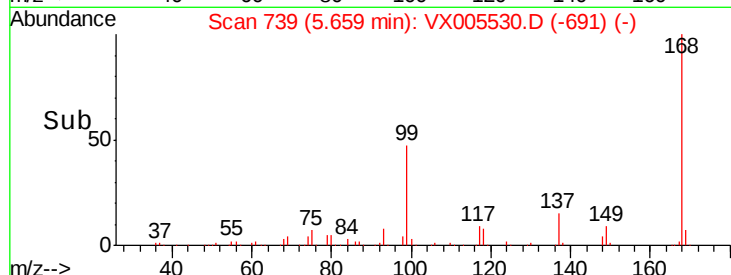
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 47.923 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005530.D

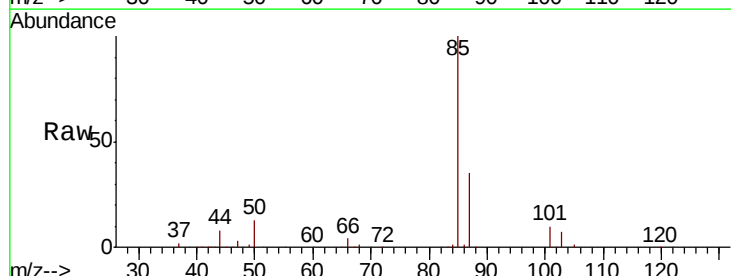
Acq: 23 Oct 2018 19:20

Tgt Ion: 85 Resp: 81663

Ion Ratio Lower Upper

85 100

87 34.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

40000

20000

0

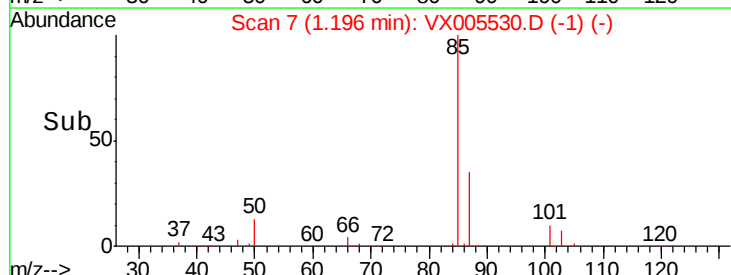
Time-->

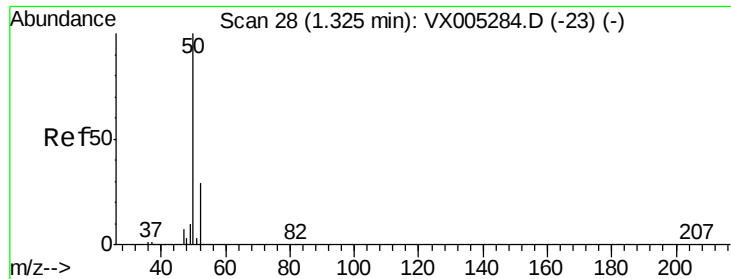
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 46.793 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 11538

Ion Ratio Lower Upper

50 100

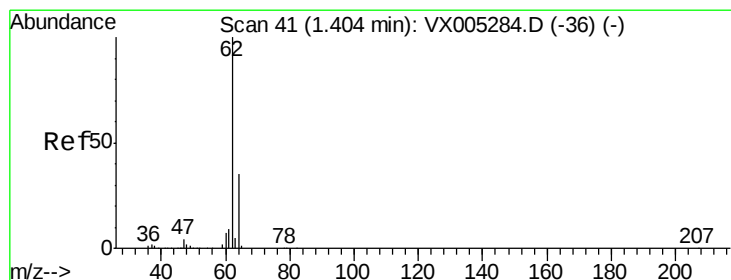
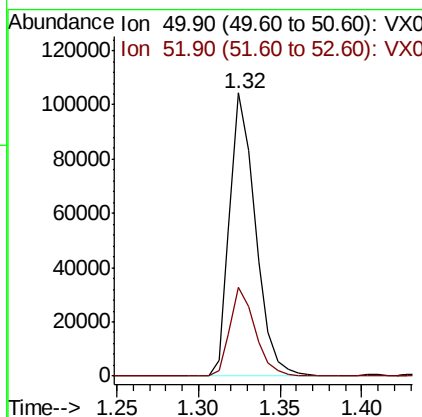
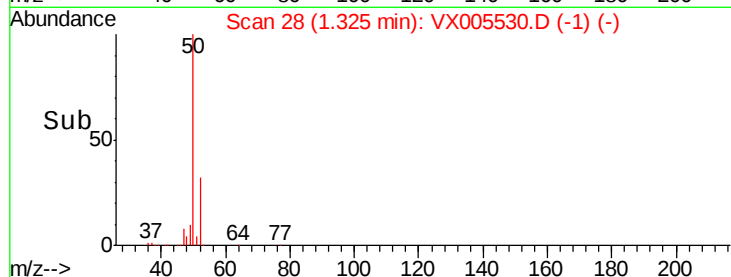
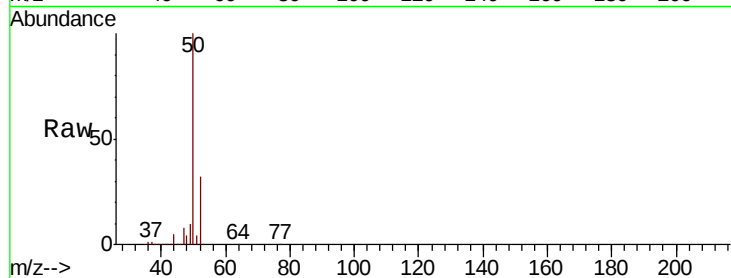
52 31.5 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.142 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005530.D

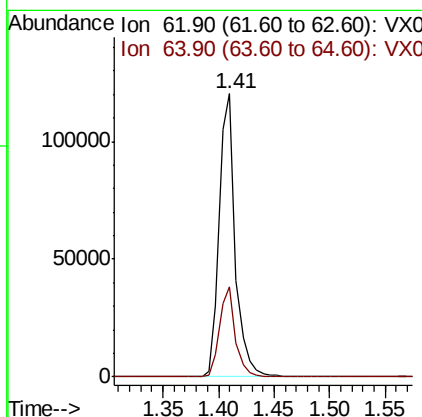
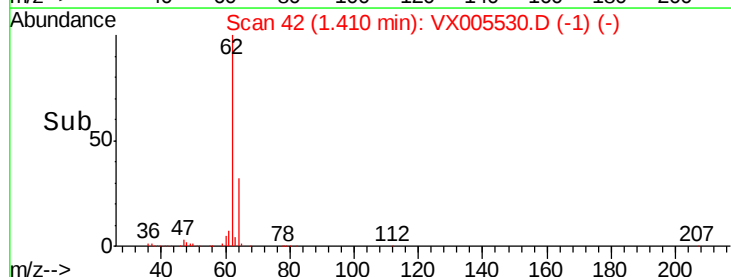
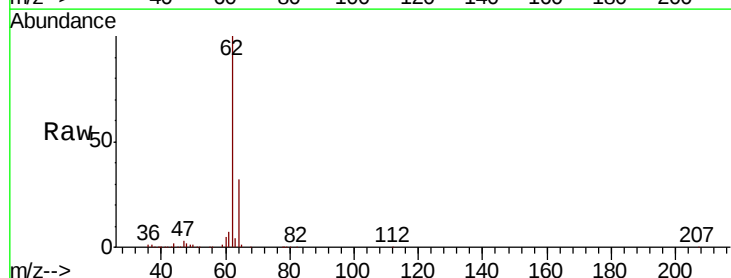
Acq: 23 Oct 2018 19:20

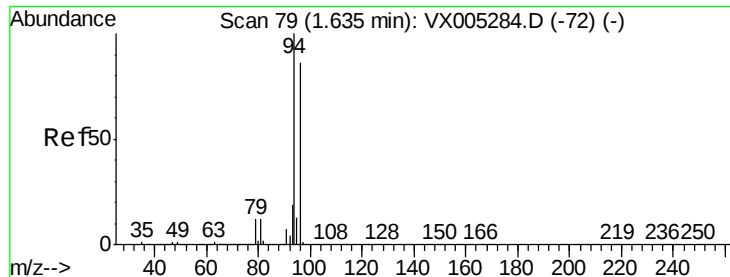
Tgt Ion: 62 Resp: 120416

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 39.394 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 55473

Ion Ratio Lower Upper

94 100

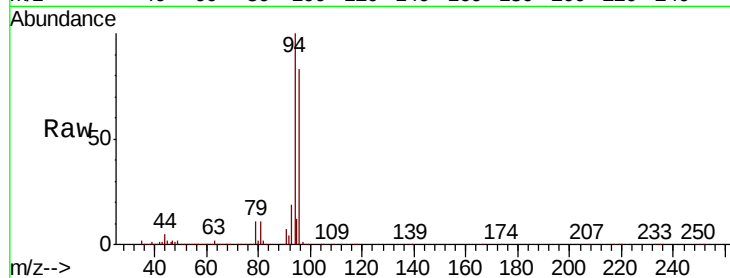
96 83.0 74.5 111.7

Manual Integrations

APPROVED

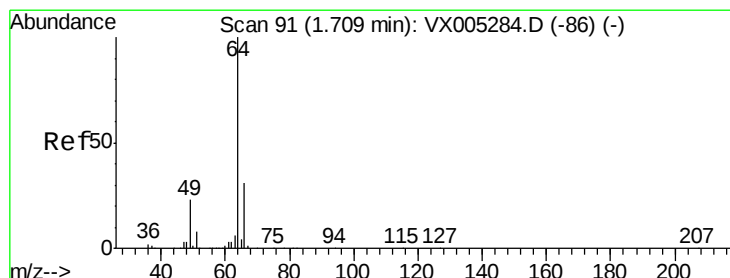
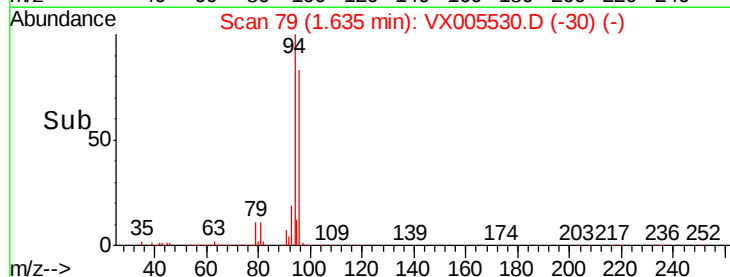
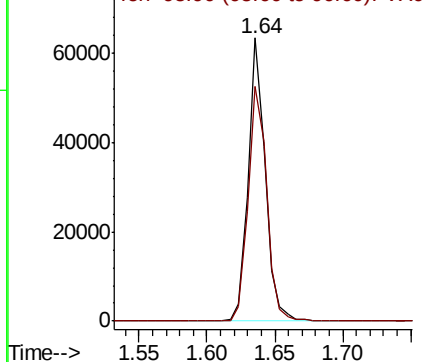
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.324 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005530.D

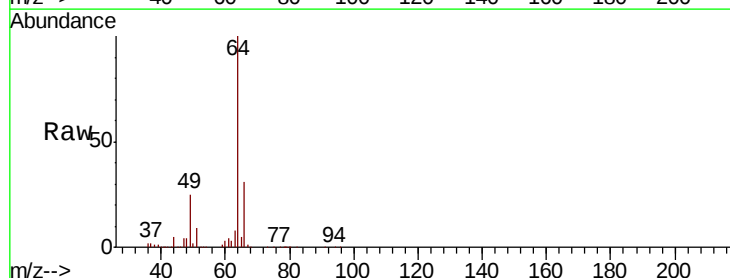
Acq: 23 Oct 2018 19:20

Tgt Ion: 64 Resp: 71620

Ion Ratio Lower Upper

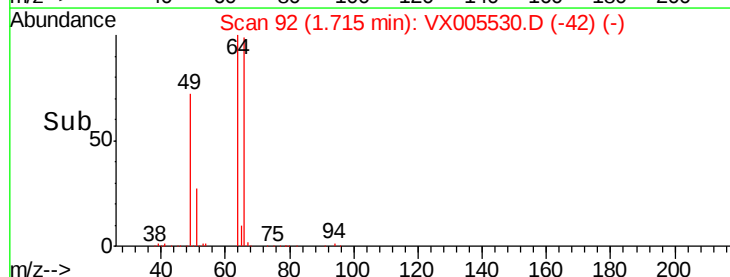
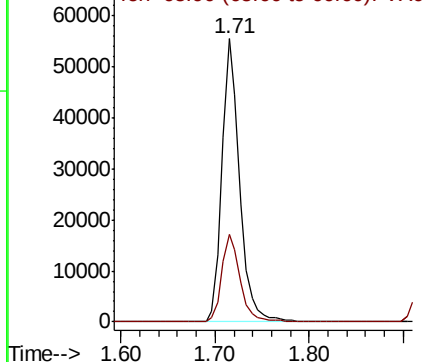
64 100

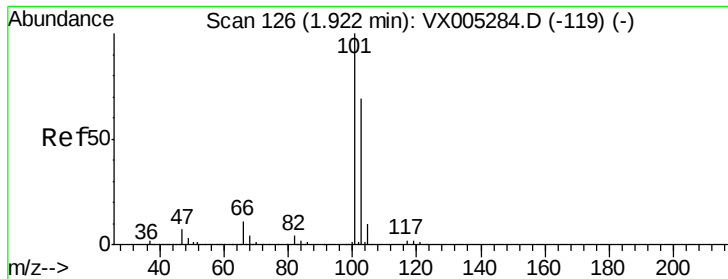
66 31.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

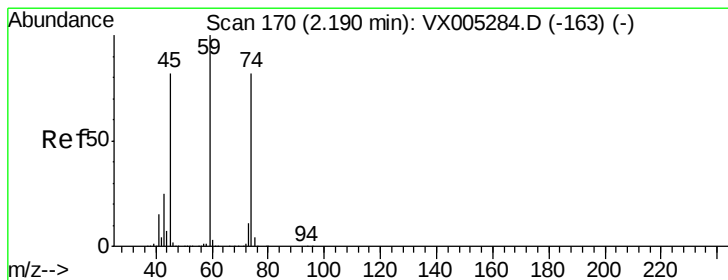
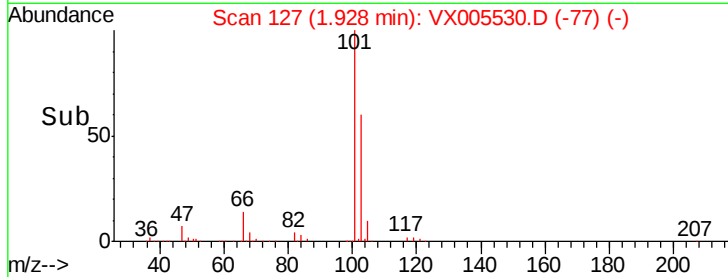
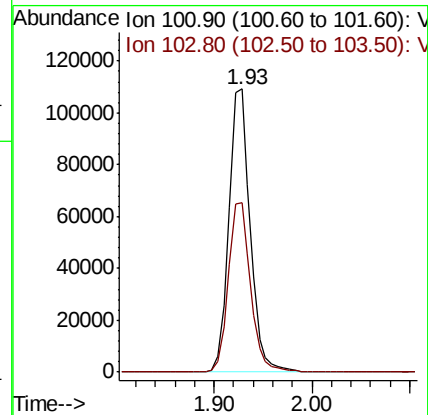
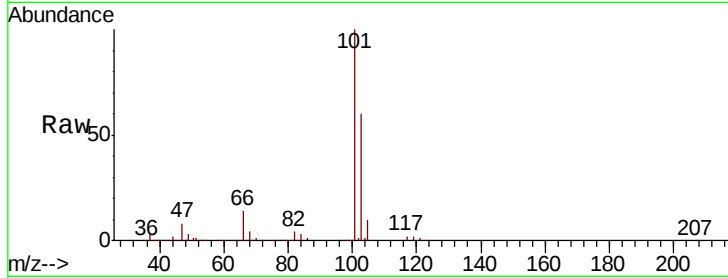
Trichlorofluoromethane
Concen: 49.432 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	164998		
103	59.8	48.9	73.3	

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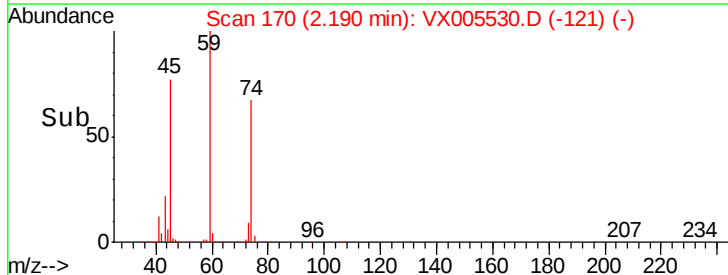
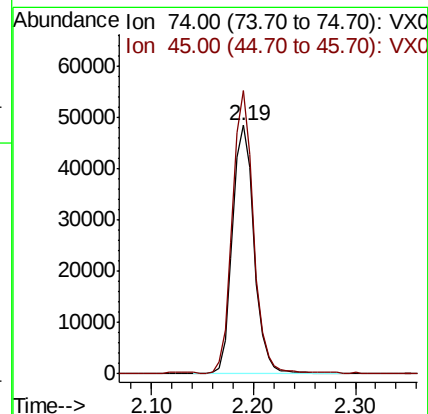
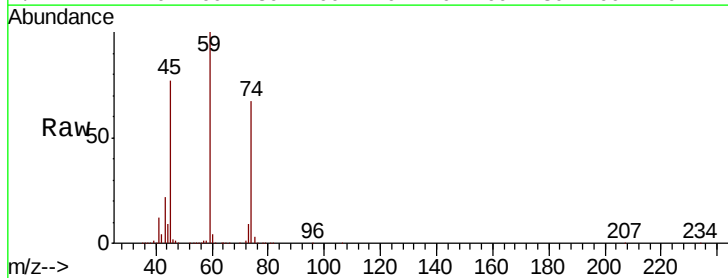
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10/24/2018 10:02:53 AM

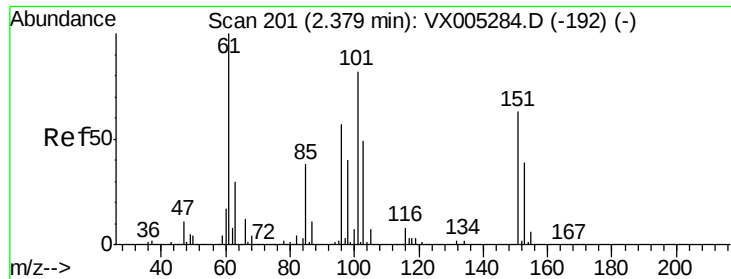


#8

Diethyl Ether
Concen: 49.841 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	71042		
45	109.8	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.132 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

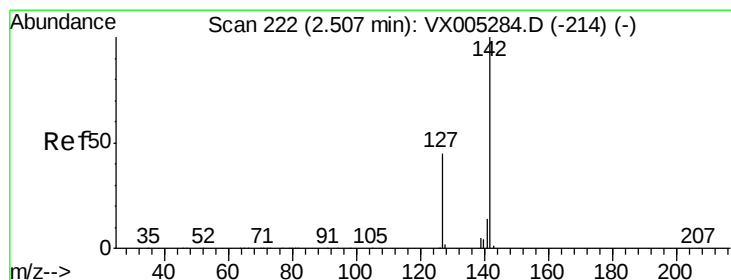
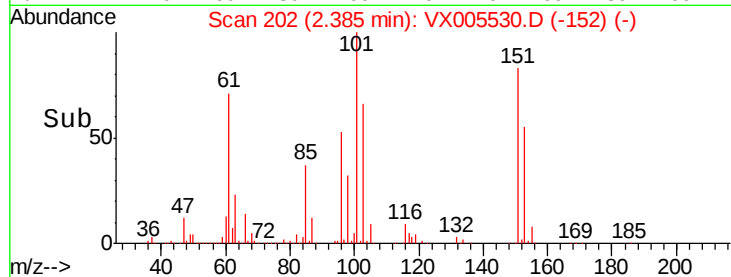
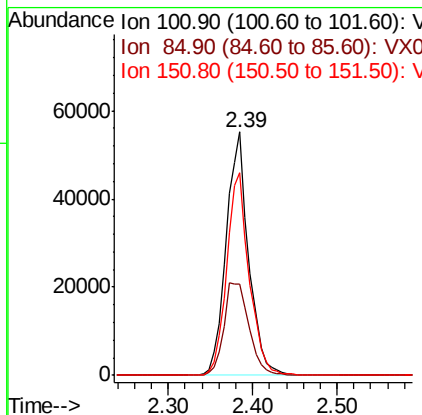
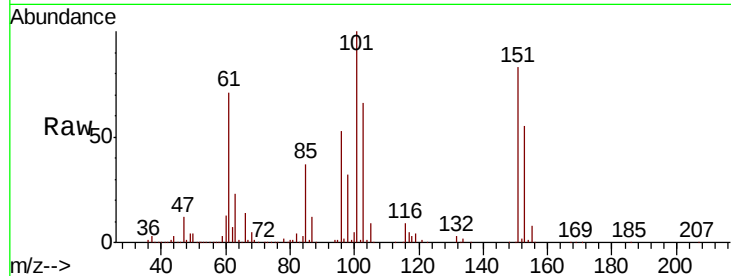
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100434
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	83.5	65.0	97.6

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#10

Methyl Iodide

Concen: 36.710 ug/l

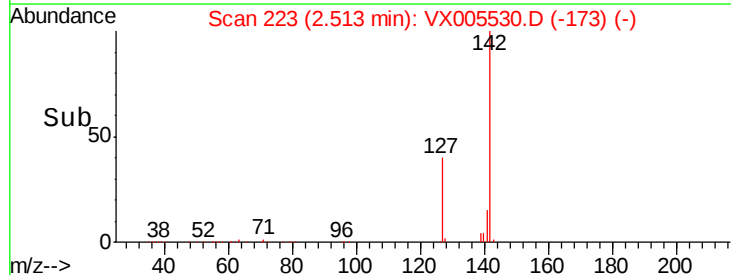
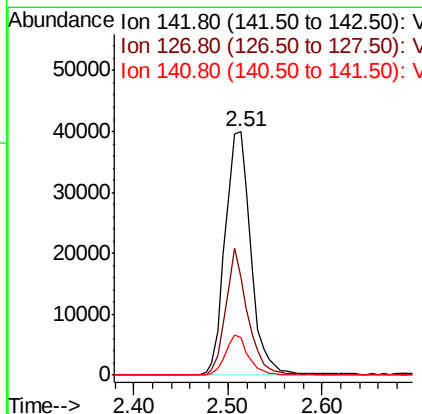
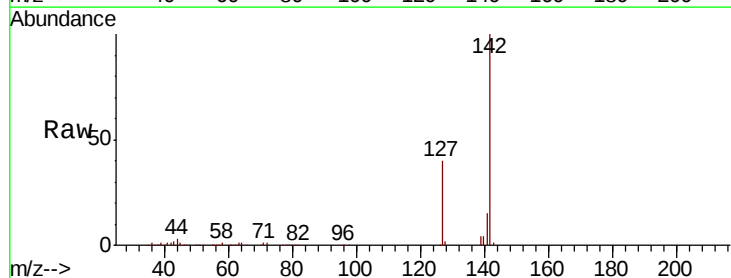
RT: 2.51 min Scan# 223

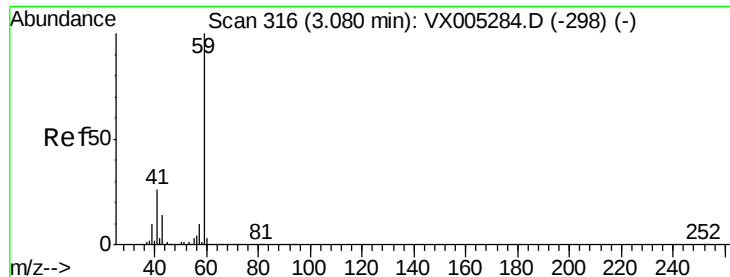
Delta R.T. 0.01 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Tgt Ion:	142	Resp:	76077
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.6
141	14.8	11.4	17.0





#11

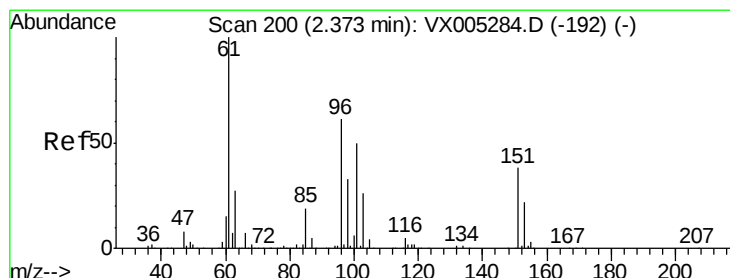
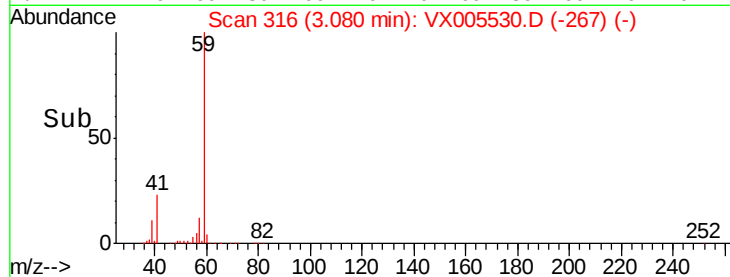
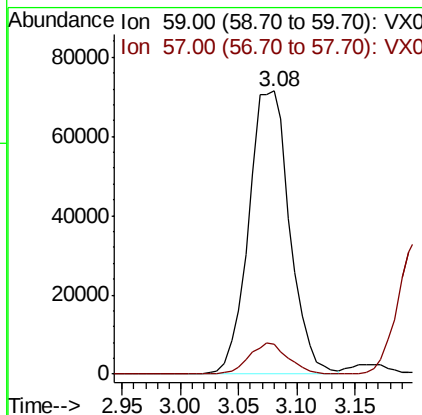
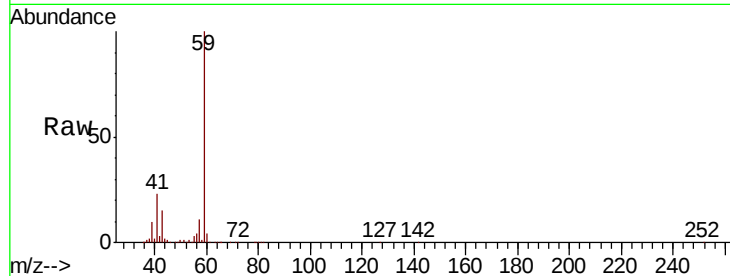
Tert butyl alcohol
 Concen: 257.023 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	175370
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.4

Manual Integrations
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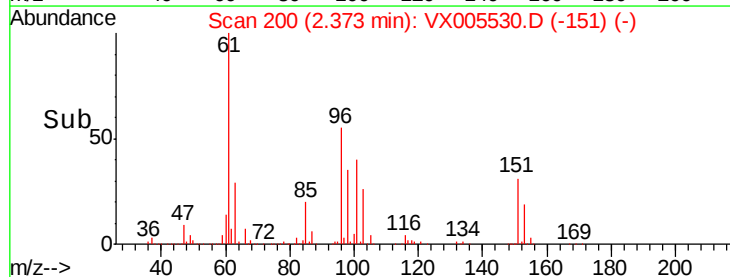
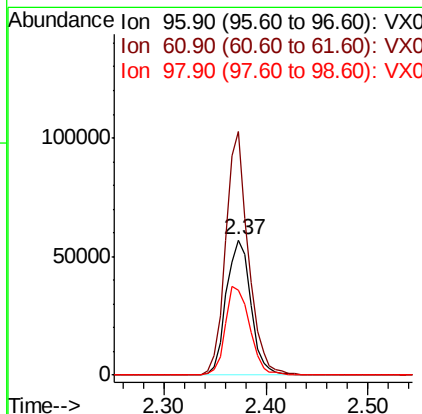
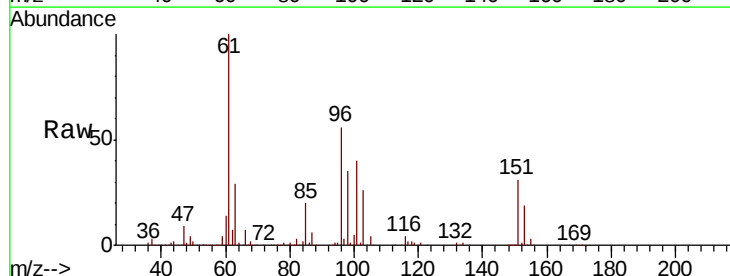
MMDadoda
 10/24/2018 10:02:53 AM

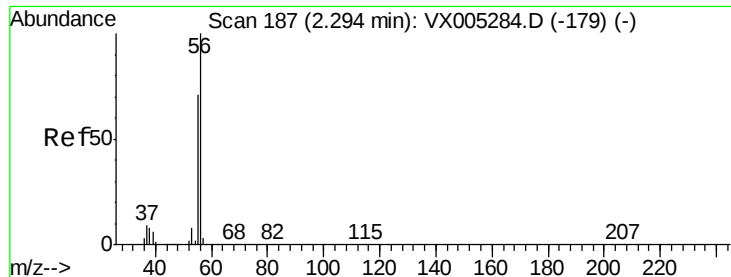


#12

1,1-Dichloroethene
 Concen: 49.658 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion	96	Resp	94788
Ion Ratio	100	Lower	Upper
61	180.1	128.8	193.2
98	63.1	52.2	78.2





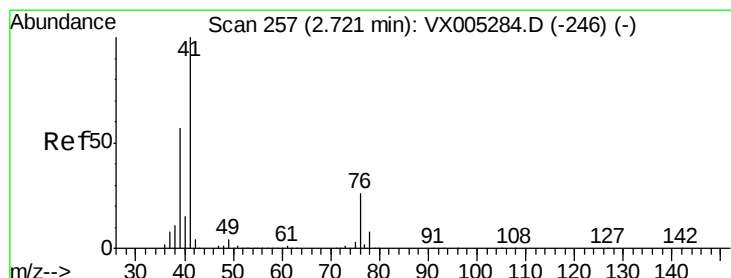
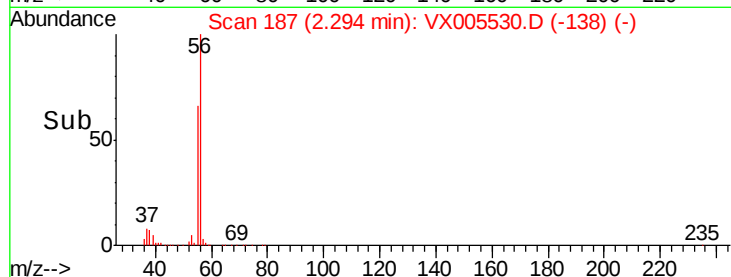
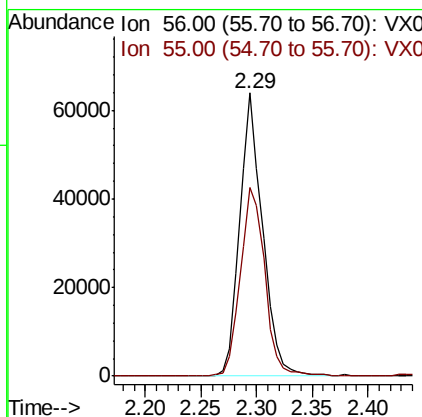
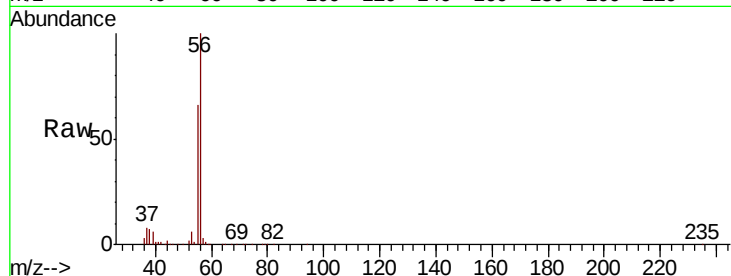
#13
Acrolein
Concen: 209.932 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.6	54.7	82.1

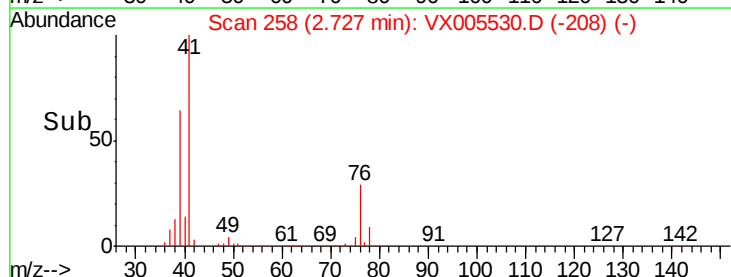
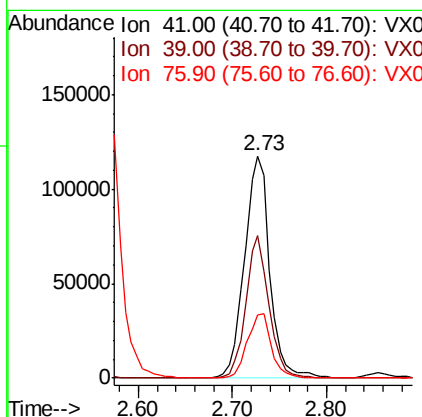
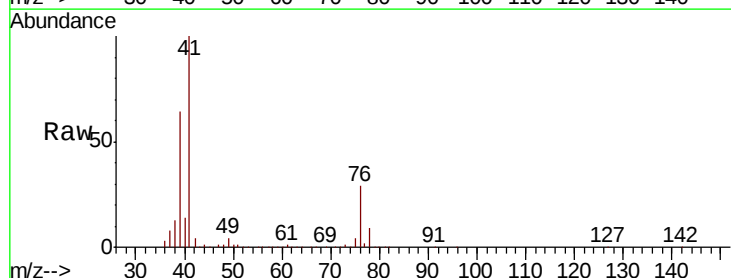
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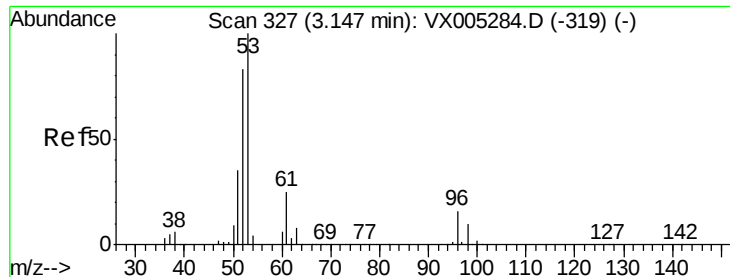
MMDadoda
10/24/2018 10:02:53 AM



#14
Allyl chloride
Concen: 52.449 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.3	48.9	73.3
76	27.9	26.7	40.1





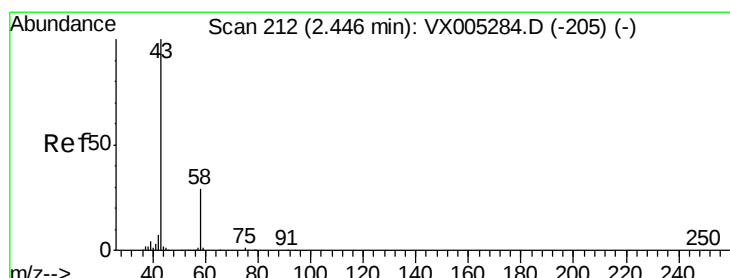
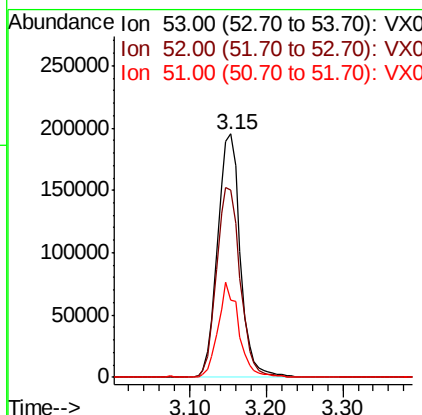
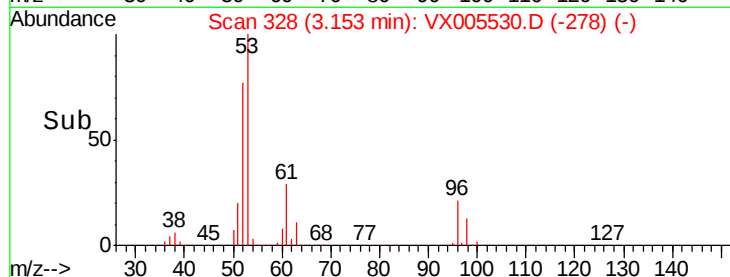
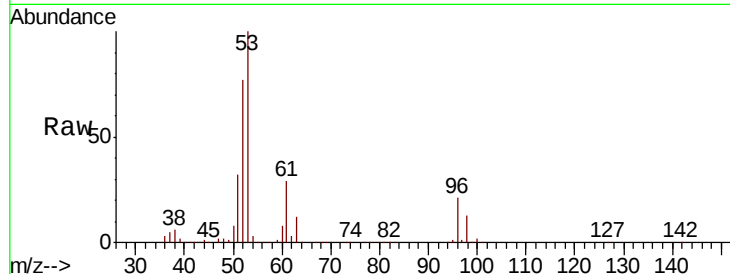
#15
 Acrylonitrile
 Concen: 258.800 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.2	97.8
51	35.9	28.2	42.2

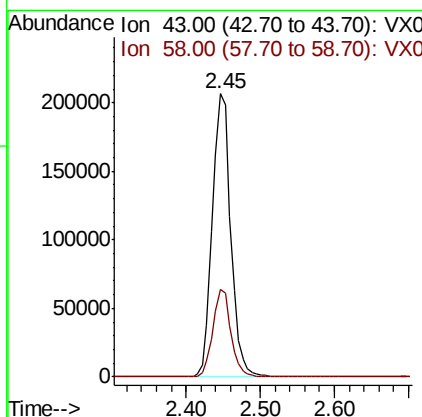
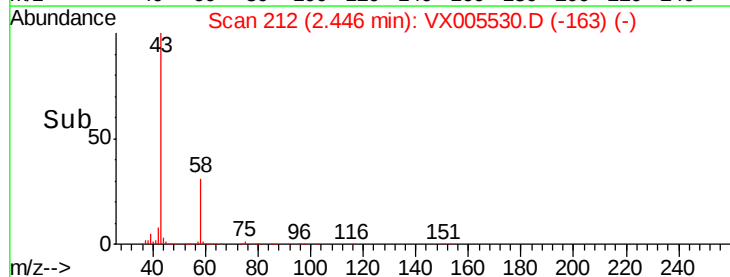
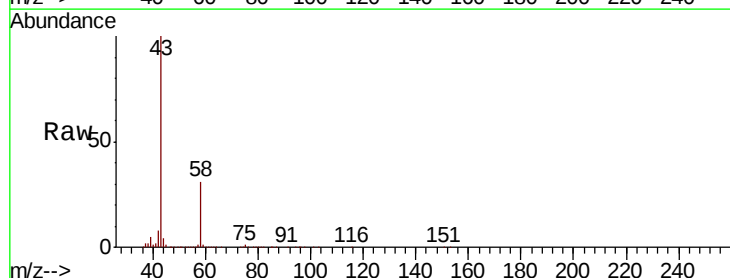
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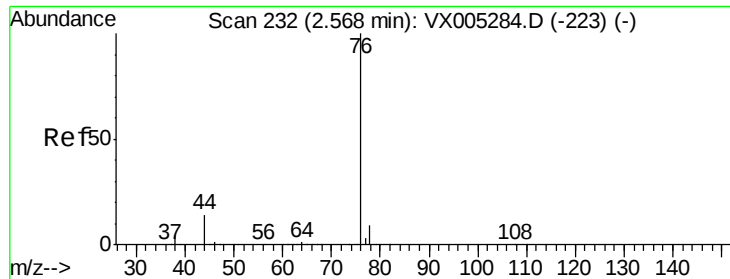
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 10/24/2018 10:02:53 AM



#16
 Acetone
 Concen: 249.303 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	26.2	39.4





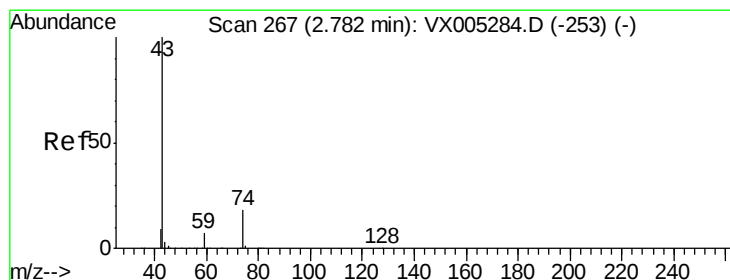
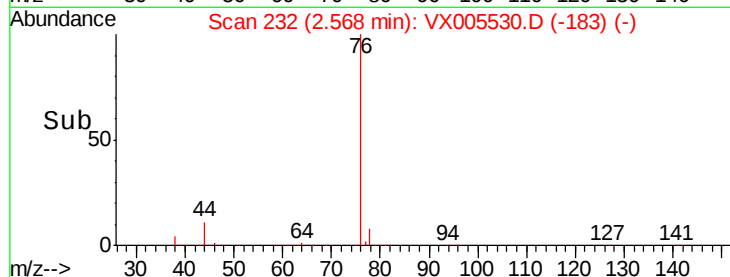
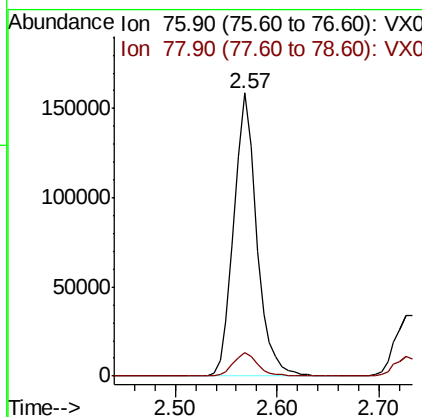
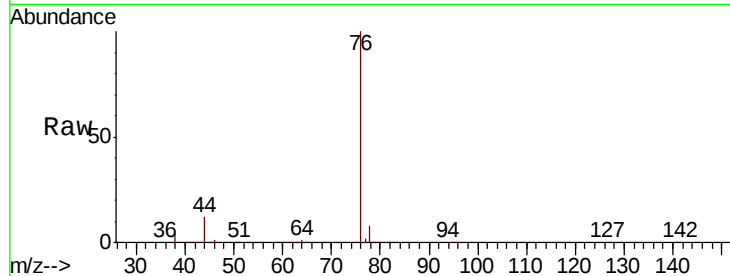
#17
Carbon Disulfide
Concen: 42.645 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.6

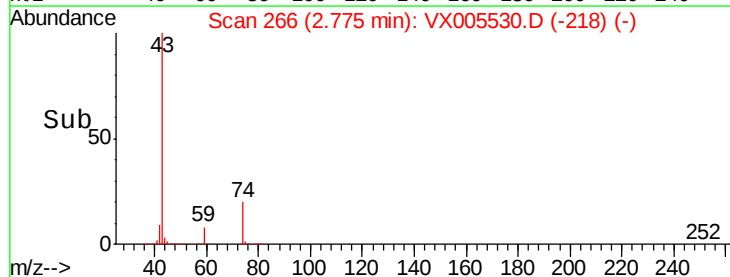
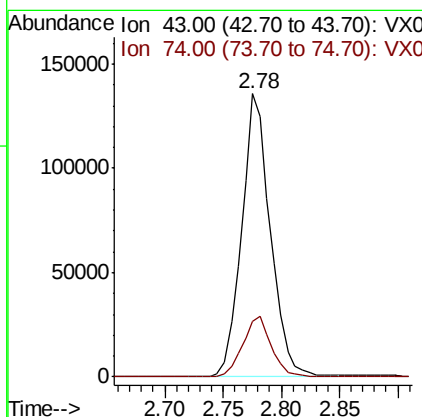
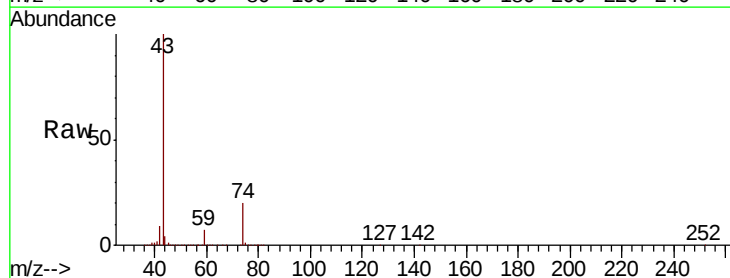
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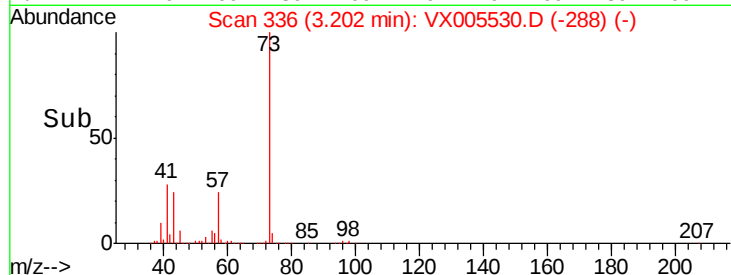
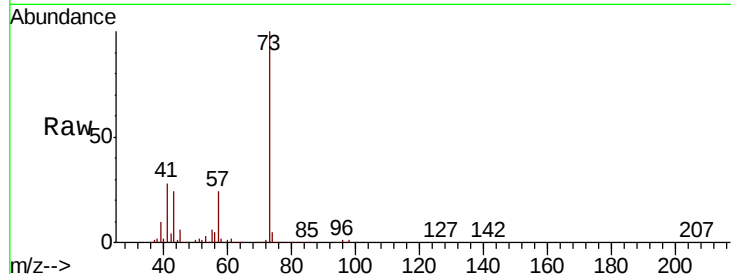
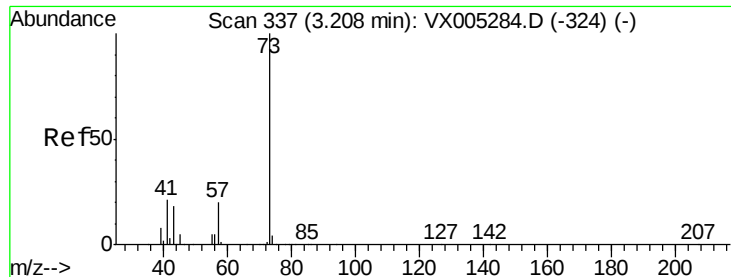
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#18
Methyl Acetate
Concen: 58.500 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	19.4	29.2





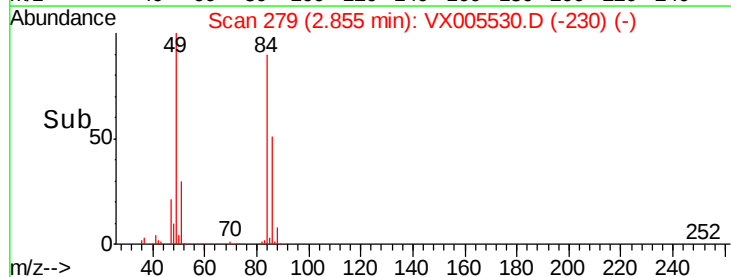
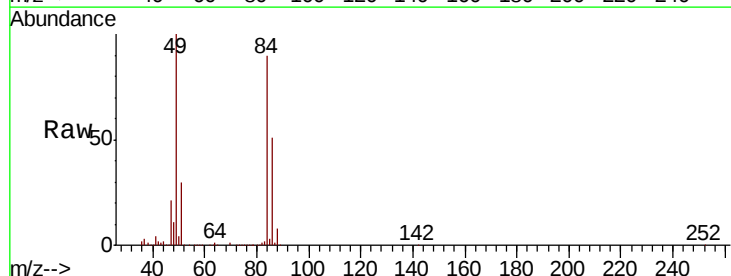
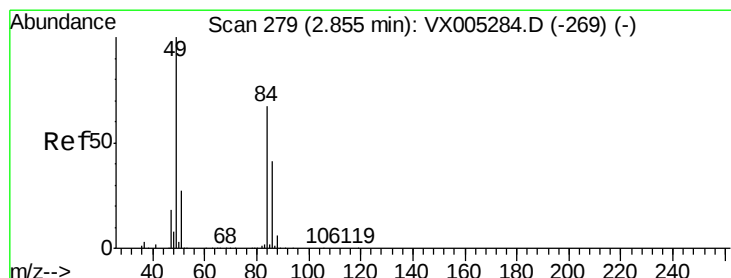
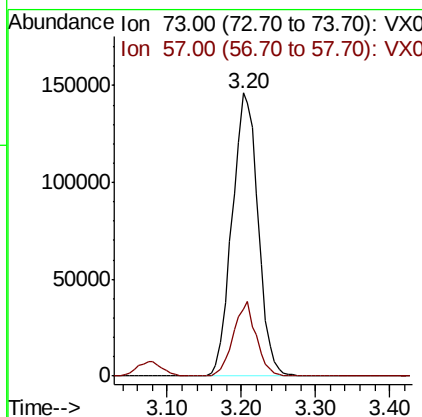
#19
Methyl tert-butyl Ether
Concen: 53.154 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tot Ion: 73 Resp: 357336
Ion Ratio Lower Upper
73 100
57 23.7 17.1 25.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

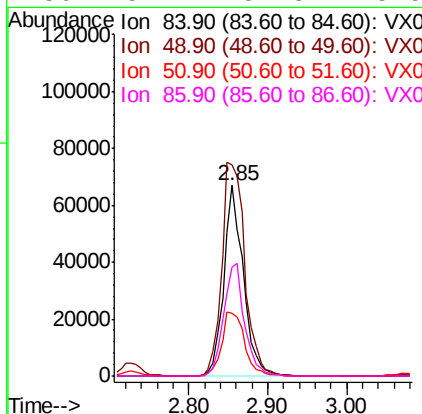
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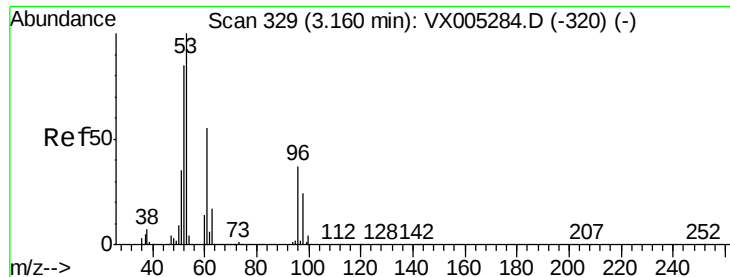
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#20
Methylene Chloride
Concen: 56.452 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion: 84 Resp: 114692
Ion Ratio Lower Upper
84 100
49 111.2 101.2 151.8
51 33.2 29.5 44.3
86 57.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.370 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 104436

Ion Ratio Lower Upper

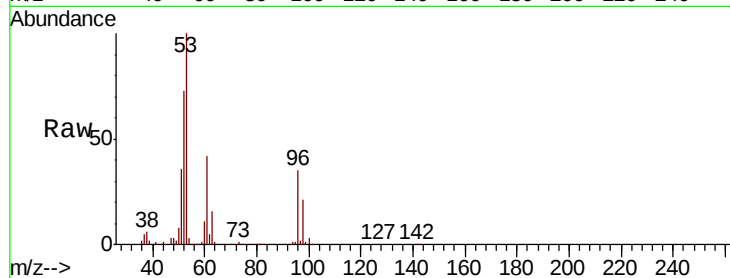
96 100

61 122.0 113.8 170.6

98 60.3 51.8 77.8

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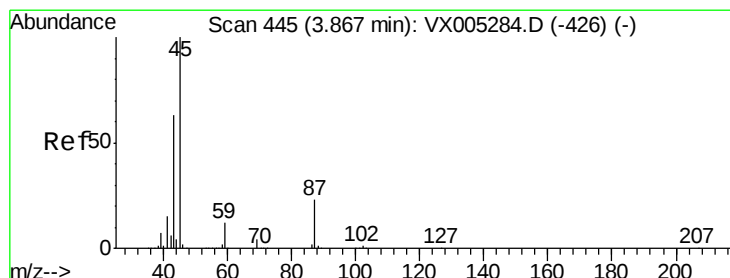
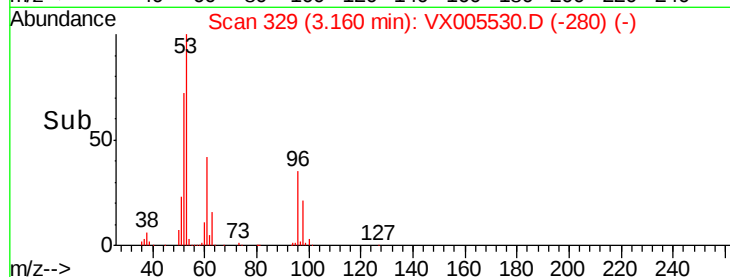
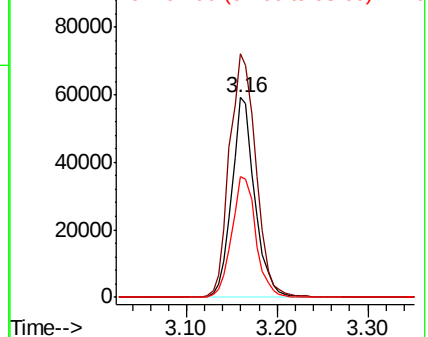


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 58.125 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Tgt Ion: 45 Resp: 409144

Ion Ratio Lower Upper

45 100

43 62.3 42.8 64.2

87 21.5 22.6 34.0#

59 10.3 9.6 14.4

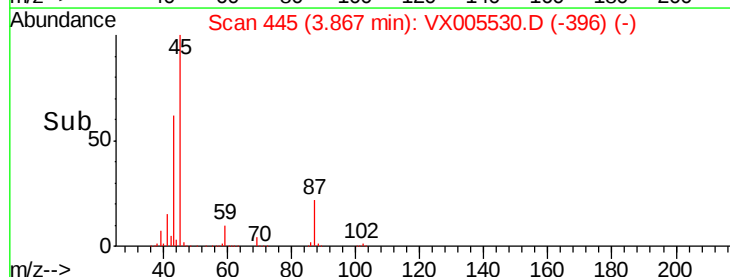
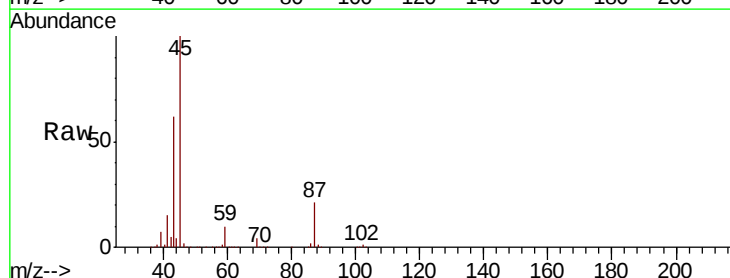
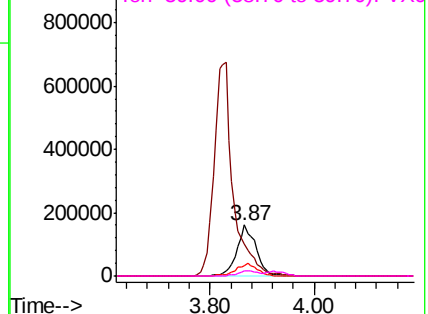
Abundance

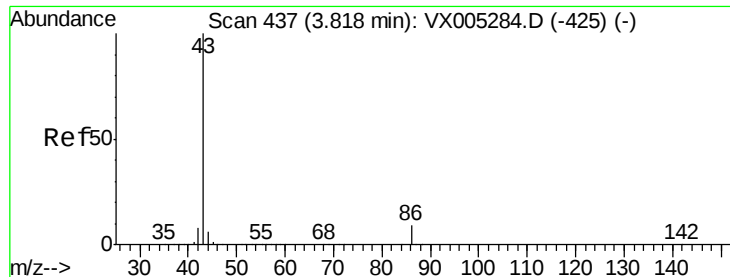
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





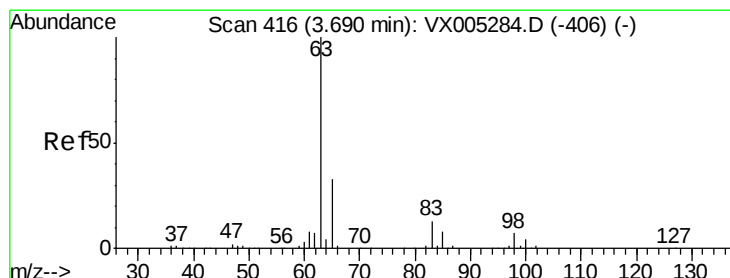
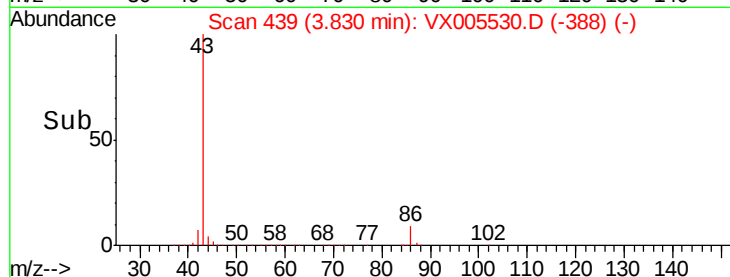
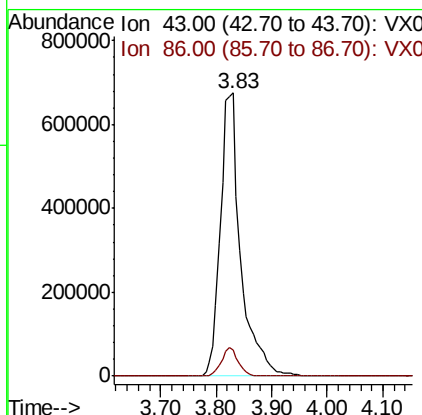
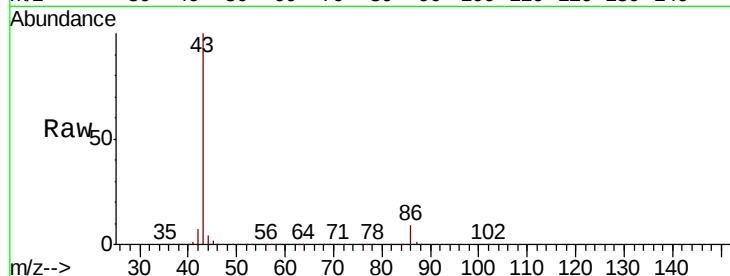
#23
 Vinyl Acetate
 Concen: 279.717 ug/l
 RT: 3.83 min Scan# 439
 Delta R.T. 0.01 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1720918
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.9 13.3

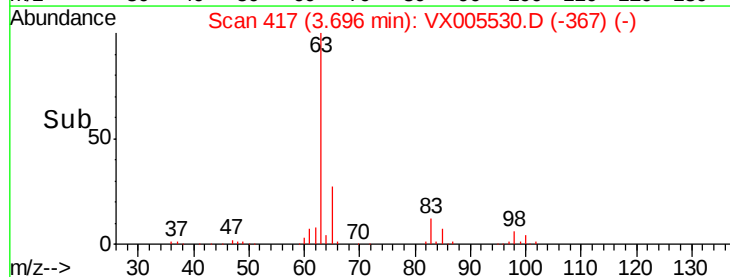
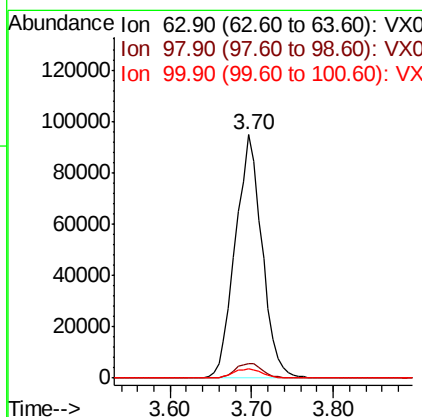
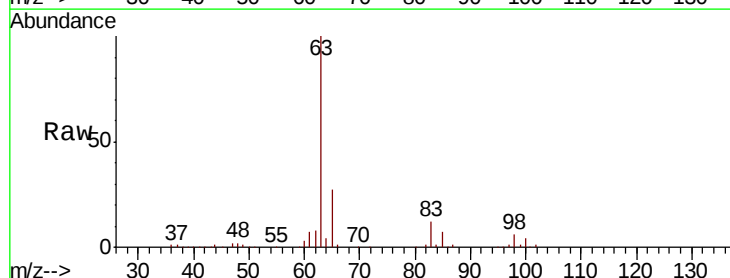
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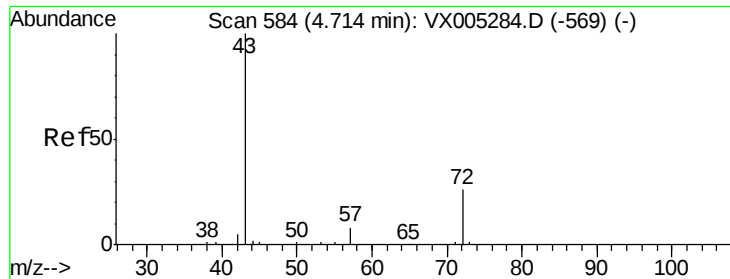
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 52.904 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion: 63 Resp: 213425
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.5 10.4
 100 4.0 2.4 7.1





#25

2-Butanone

Concen: 288.261 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 589846

Ion Ratio Lower Upper

43 100

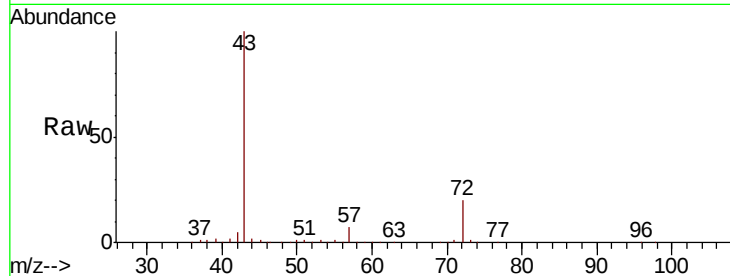
72 19.5 22.0 33.0#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

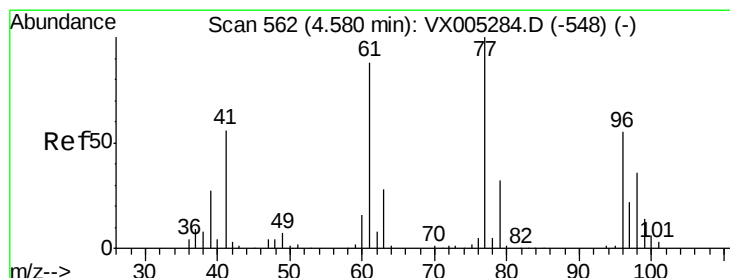
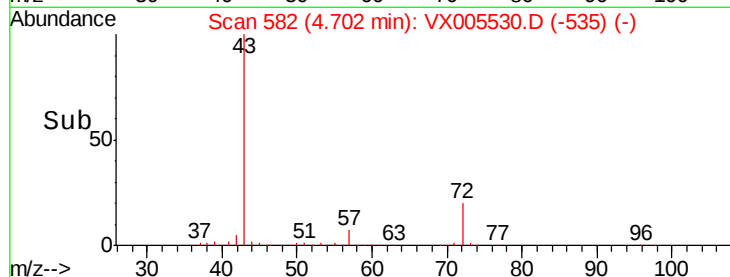
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.608 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005530.D

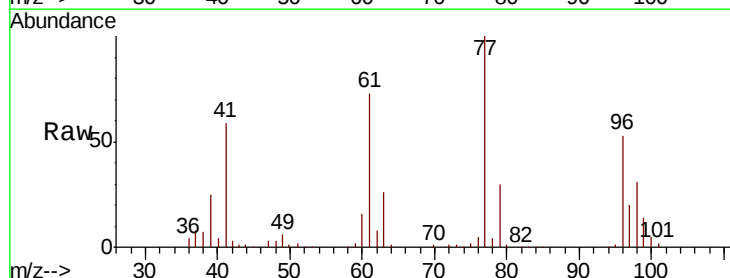
Acq: 23 Oct 2018 19:20

Tgt Ion: 77 Resp: 155707

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

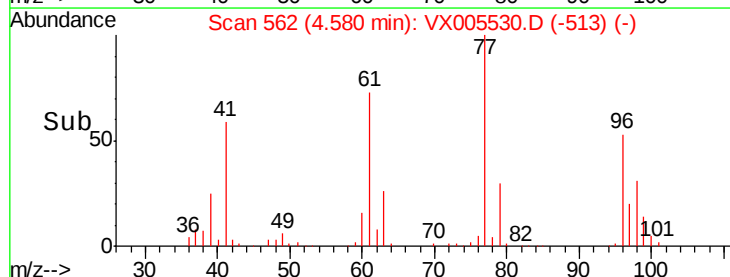
20000

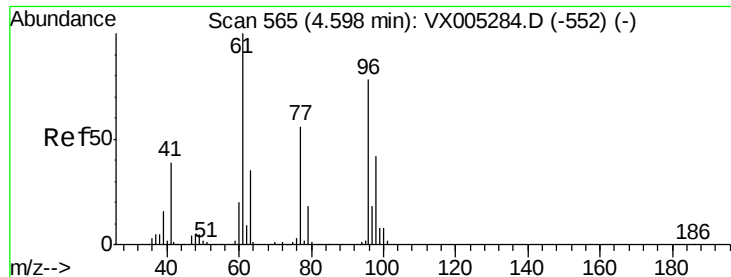
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

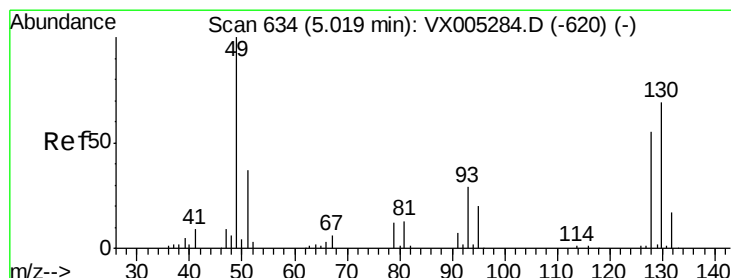
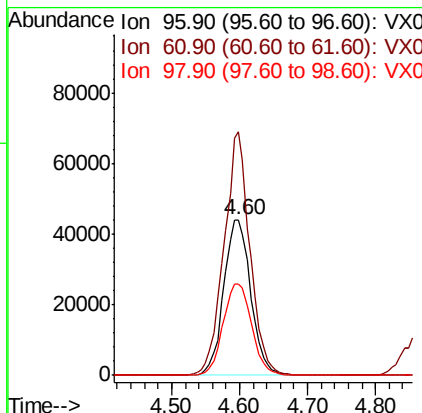
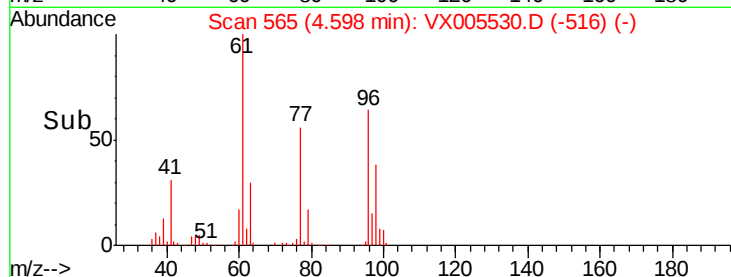
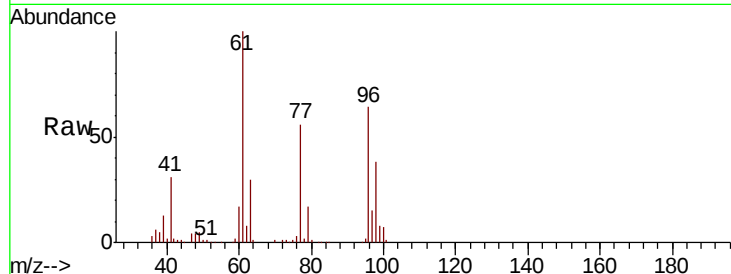
cis-1,2-Dichloroethene
Concen: 52.760 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.5	0.0	282.6	
98	62.1	0.0	130.2	

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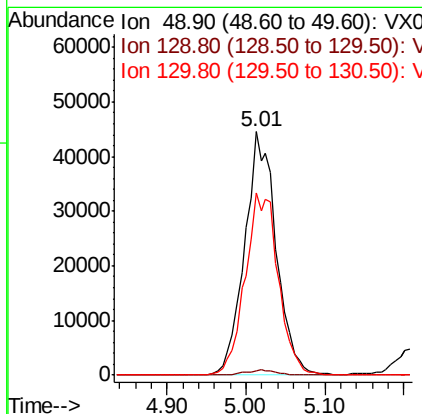
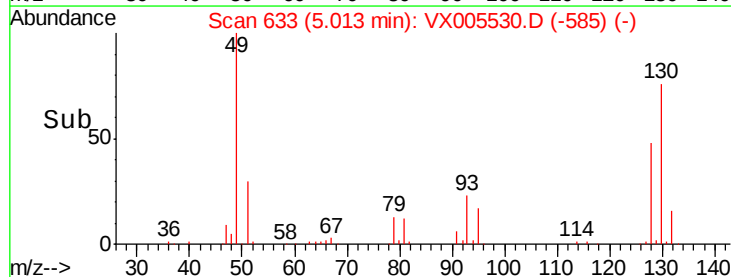
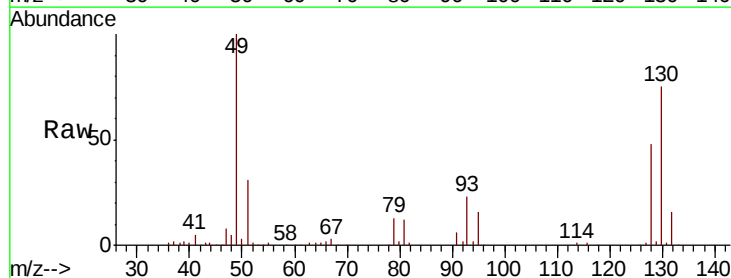
MMDadoda
10/24/2018 10:02:53 AM

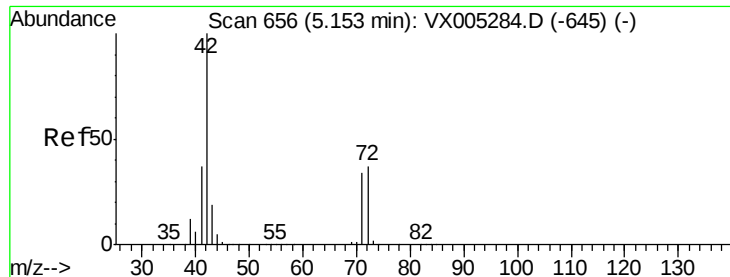


#28

Bromochloromethane
Concen: 67.142 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	78.3	67.5	101.3	





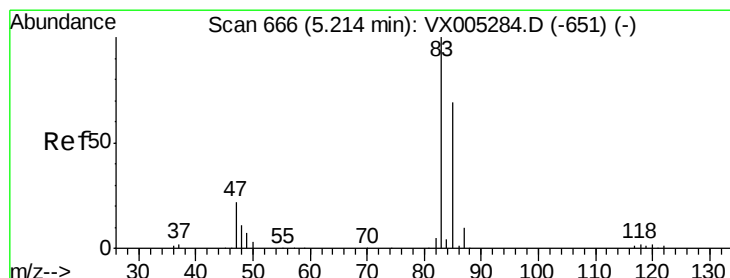
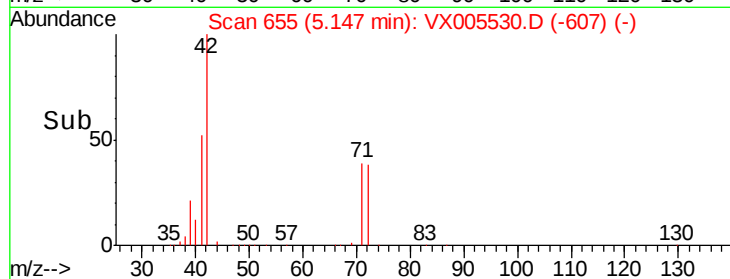
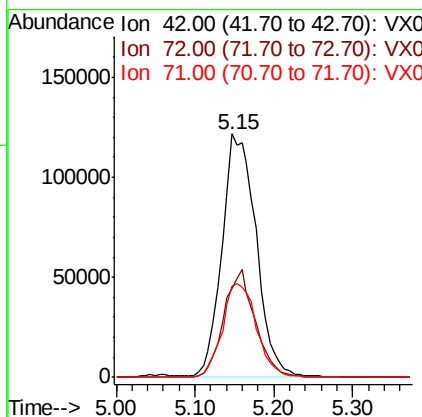
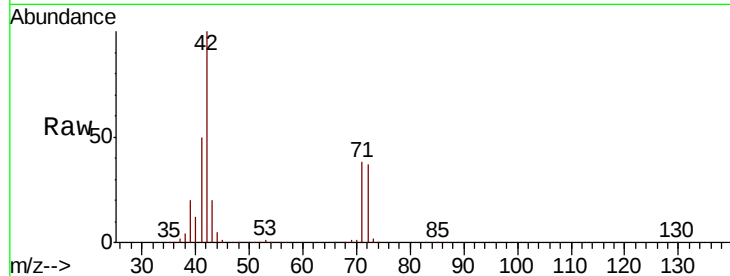
#29
Tetrahydrofuran
Concen: 279.275 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	364518
Ion	Ratio	Lower	Upper
42	100		
72	41.2	37.4	56.0
71	38.7	34.5	51.7

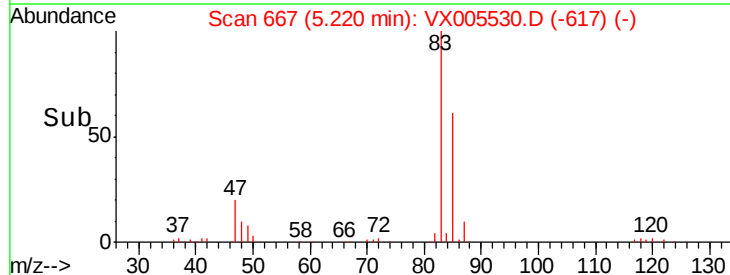
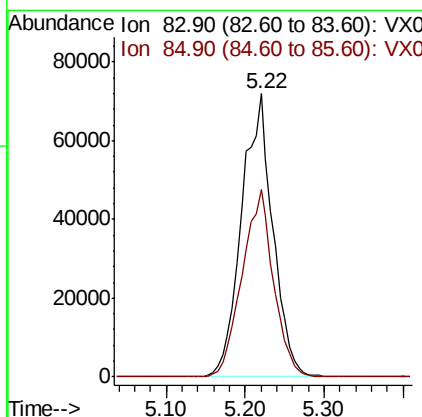
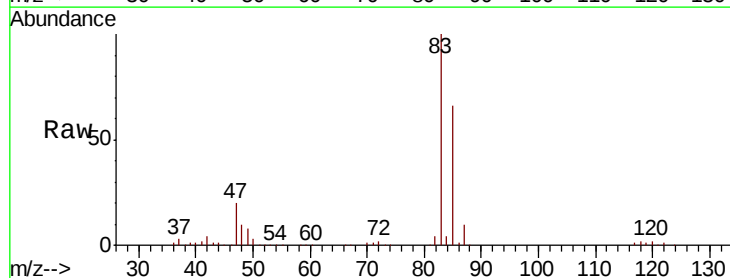
Manual Integrations
APPROVED

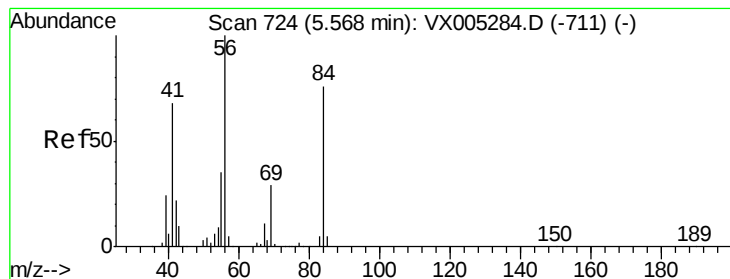
MMDadoda
10/24/2018 10:02:53 AM



#30
Chloroform
Concen: 52.871 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion:	83	Resp:	197971
Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.6	79.0





#31

Cyclohexane

Concen: 52.063 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 173107

Ion Ratio Lower Upper

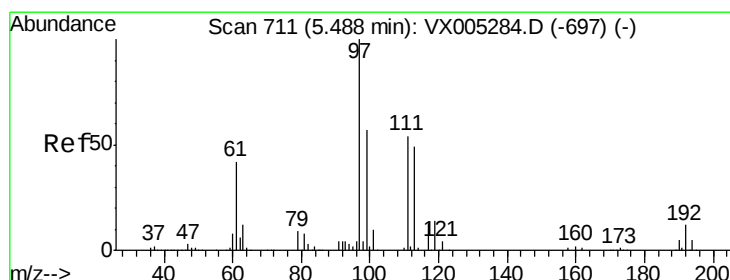
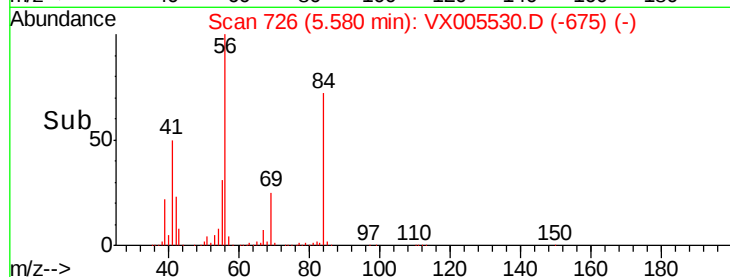
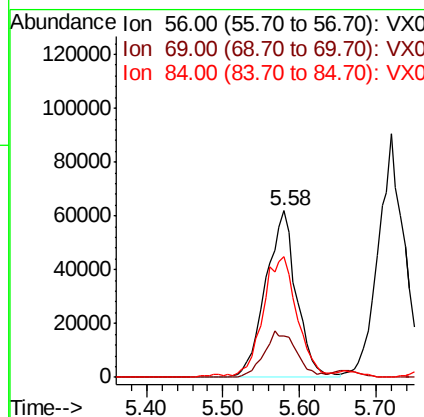
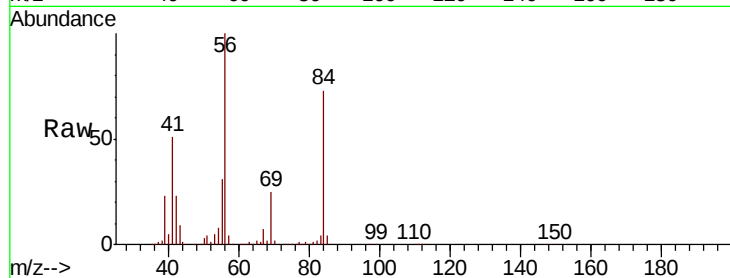
56 100

69 24.6 25.4 38.2#

84 72.2 71.4 107.2

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#32

1,1,1-Trichloroethane

Concen: 55.616 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

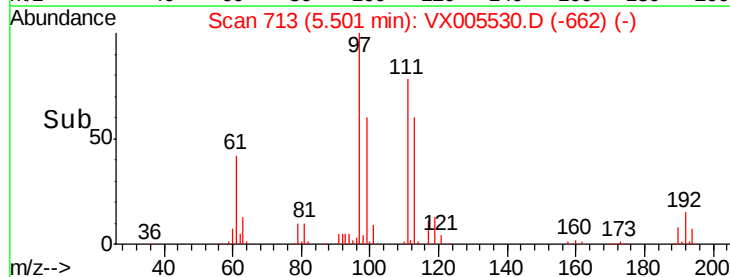
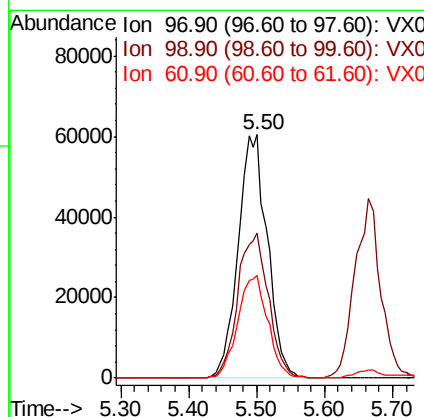
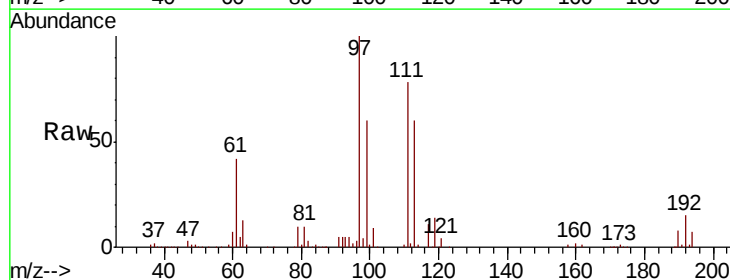
Tgt Ion: 97 Resp: 181203

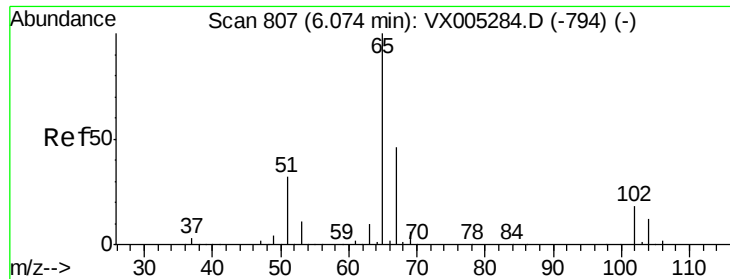
Ion Ratio Lower Upper

97 100

99 62.0 52.0 78.0

61 43.3 34.9 52.3





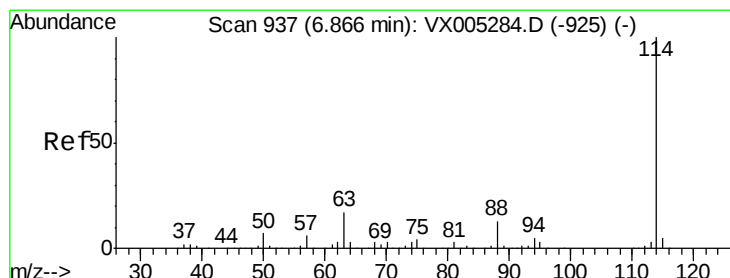
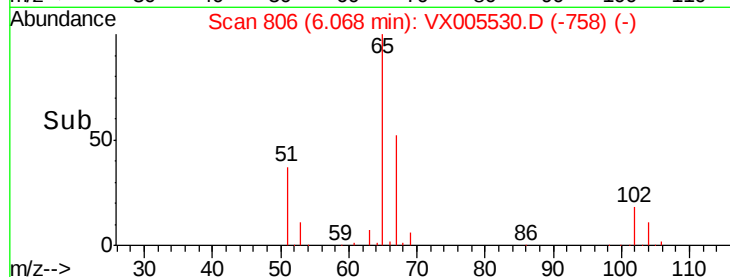
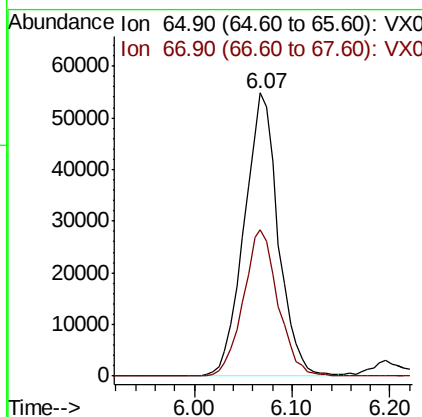
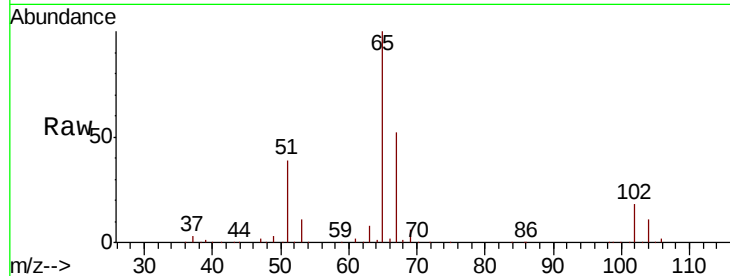
#33
 1,2-Dichloroethane-d4
 Concen: 54.598 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8

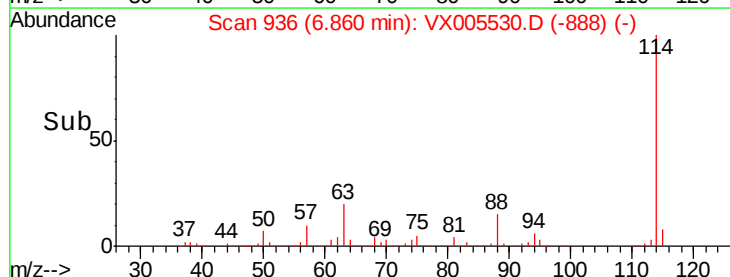
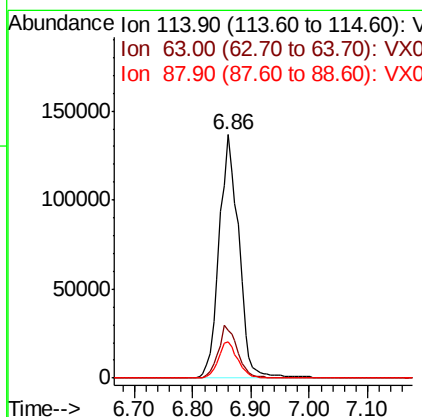
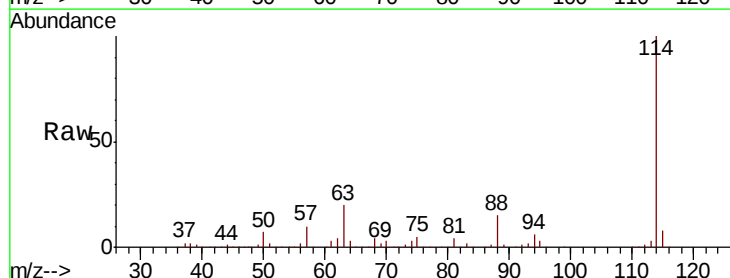
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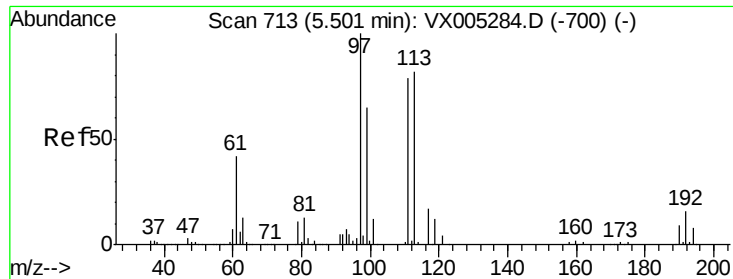
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 10/24/2018 10:02:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	14.9	0.0	30.4





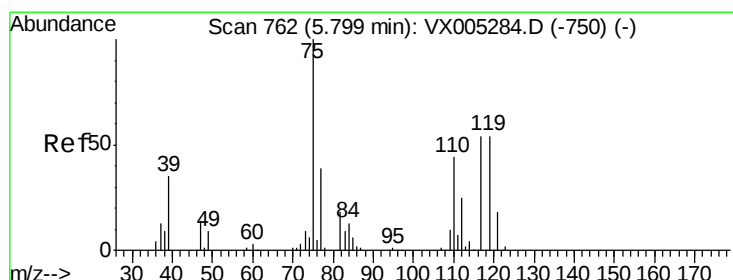
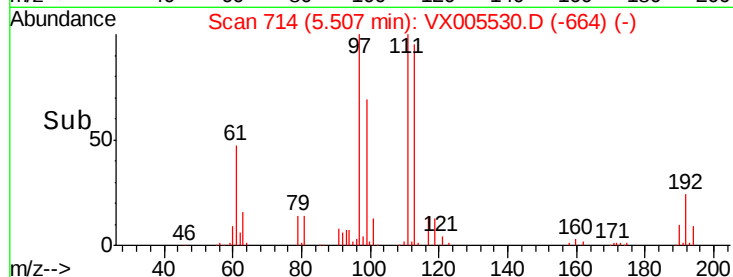
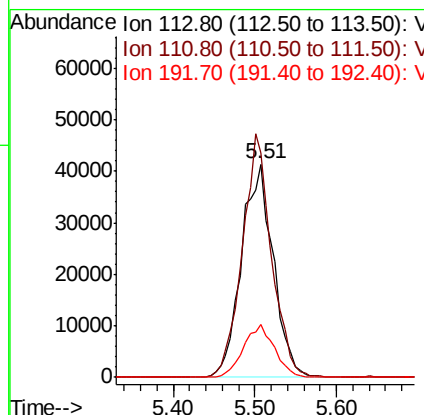
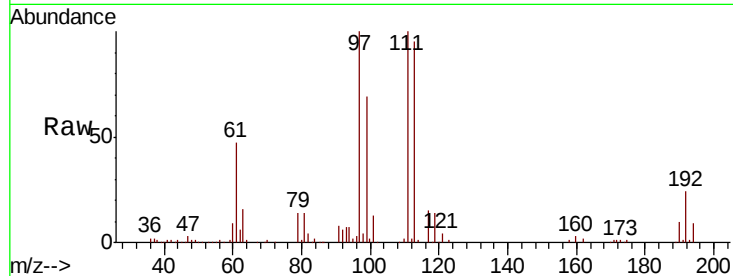
#35
Dibromofluoromethane
Concen: 52.660 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111536		
111	105.0	82.4	123.6	
192	24.2	19.4	29.2	

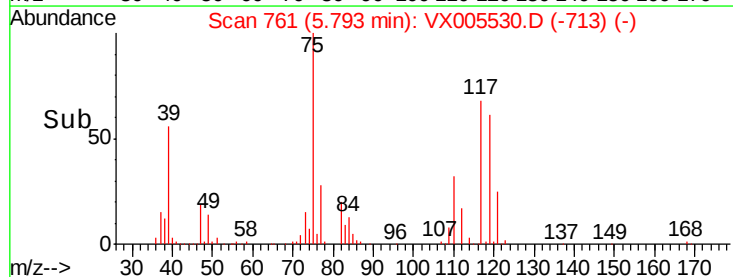
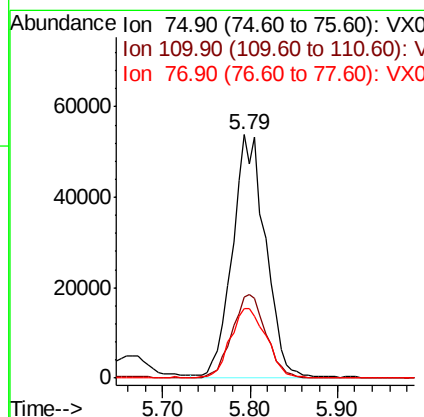
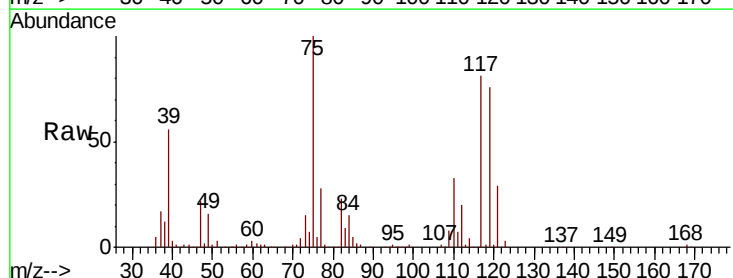
Manual Integrations
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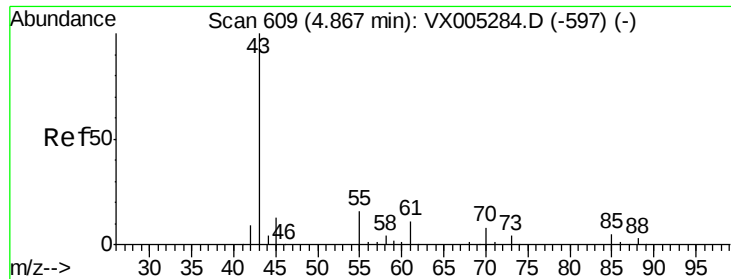
MMDadoda
10/24/2018 10:02:53 AM



#36
1,1-Dichloropropene
Concen: 45.745 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141679		
110	35.3	18.0	54.0	
77	30.4	24.6	36.8	





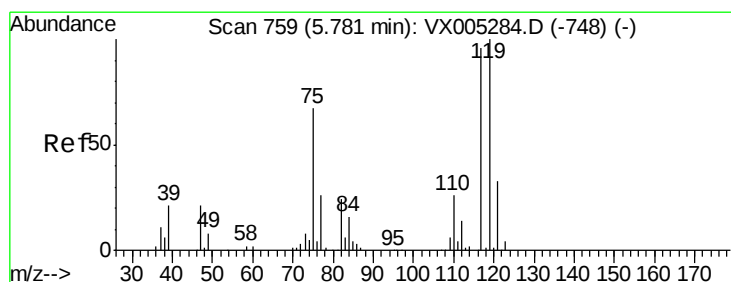
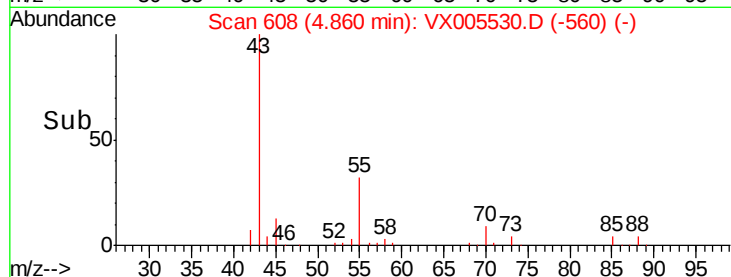
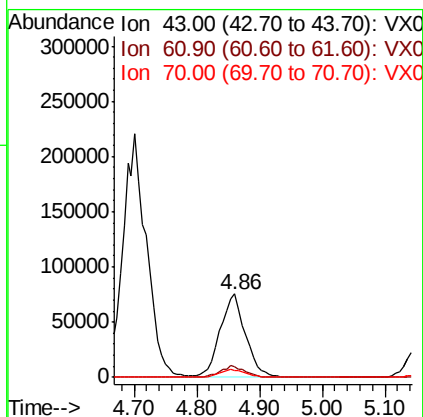
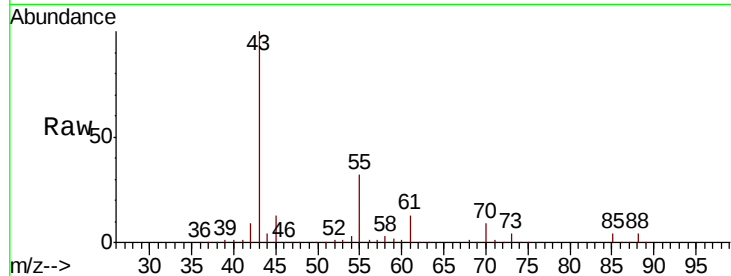
#37
Ethyl Acetate
Concen: 53.238 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.5	17.3
70	9.8	9.0	13.6

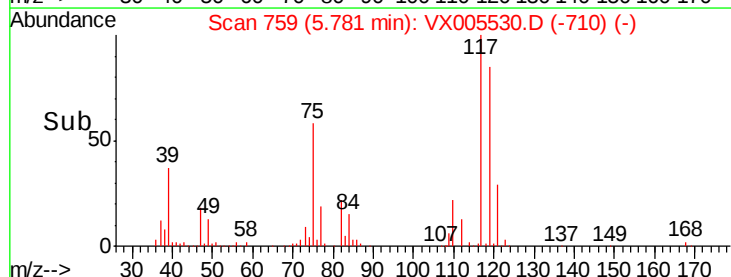
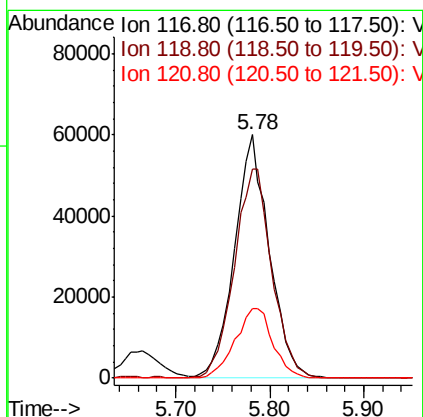
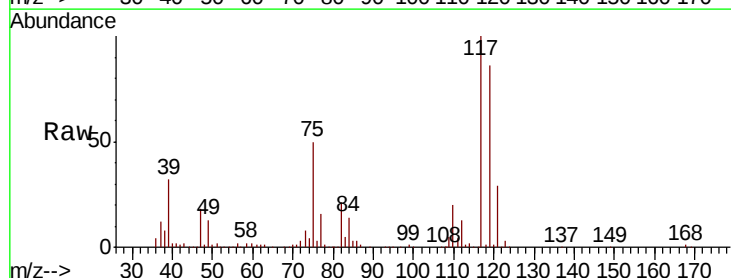
Manual Integrations
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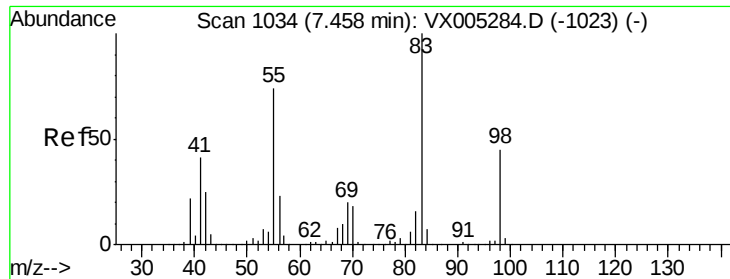
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.588 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.6	78.8	118.2
121	28.5	24.9	37.3





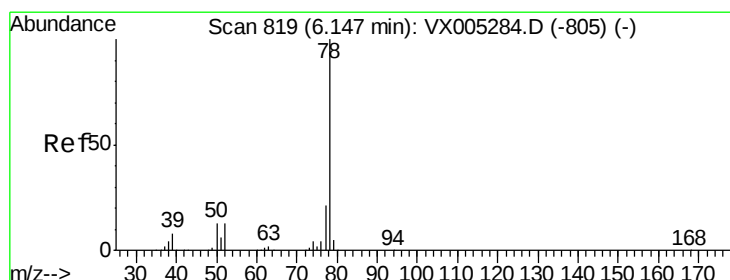
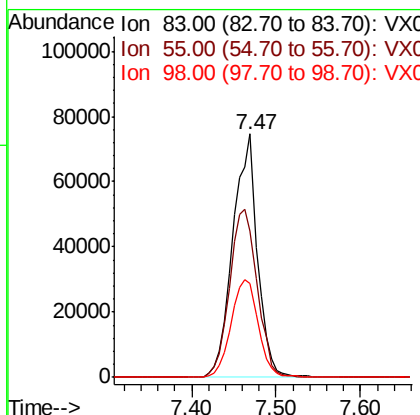
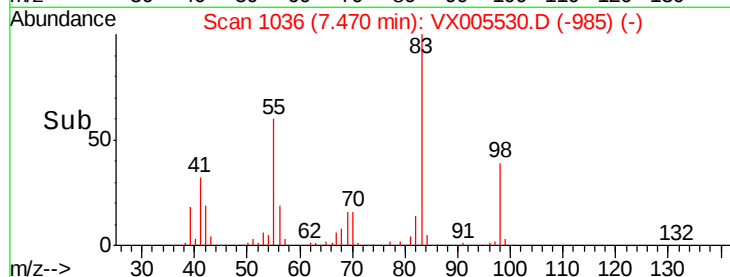
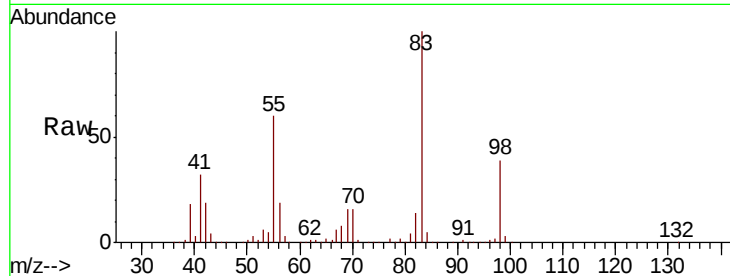
#39
Methylvlcyclohexane
Concen: 43.925 ug/l
RT: 7.47 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.2	61.0	91.4#
98	38.8	39.6	59.4#

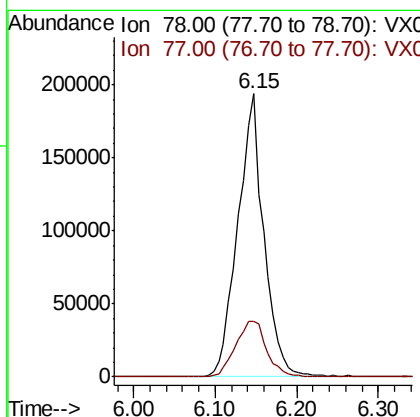
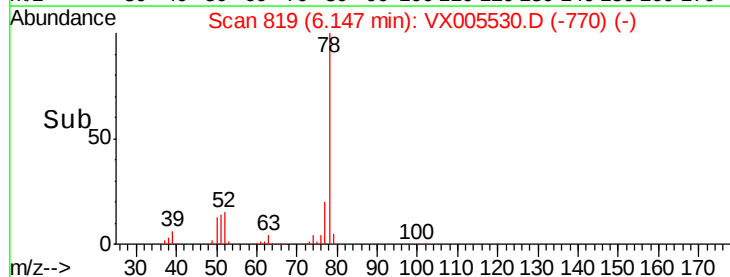
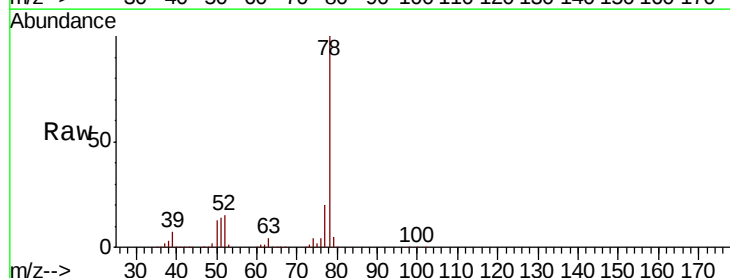
Manual Integrations
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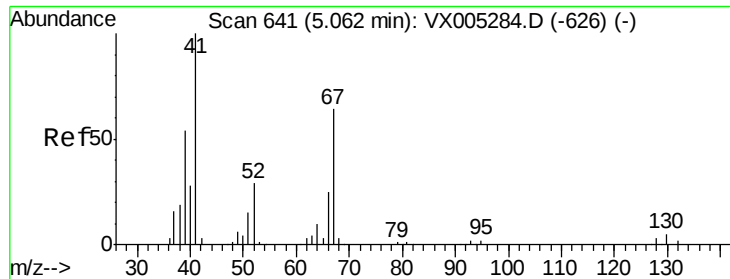
MMDadoda
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#40
Benzene
Concen: 46.158 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.8	19.0	28.4





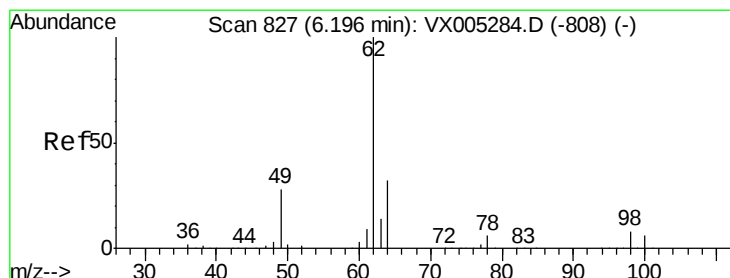
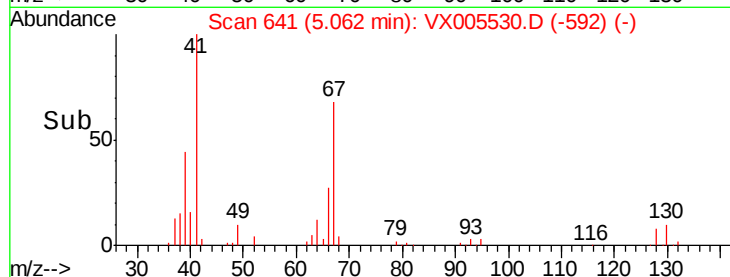
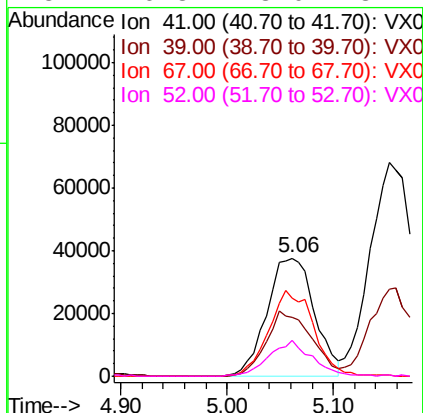
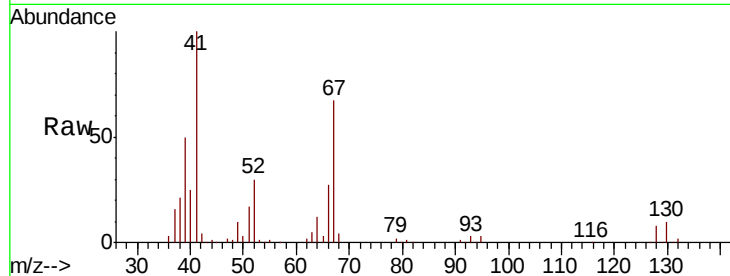
#41
Methacrylonitrile
Concen: 54.567 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	116517
Ion Ratio	Lower	Upper	
41	100		
39	52.1	42.4	63.6
67	69.0	59.2	88.8
52	26.8	23.0	34.4

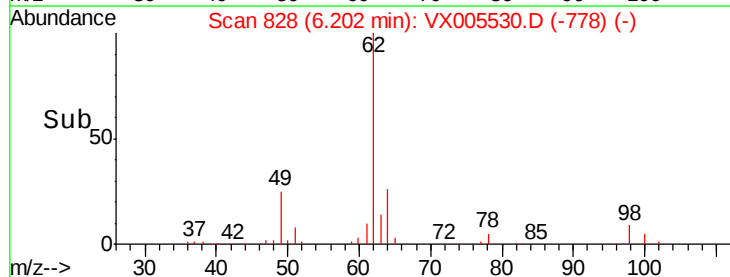
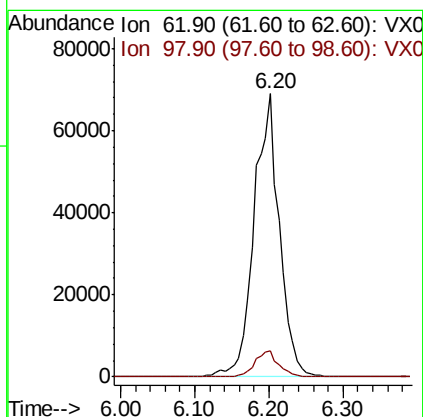
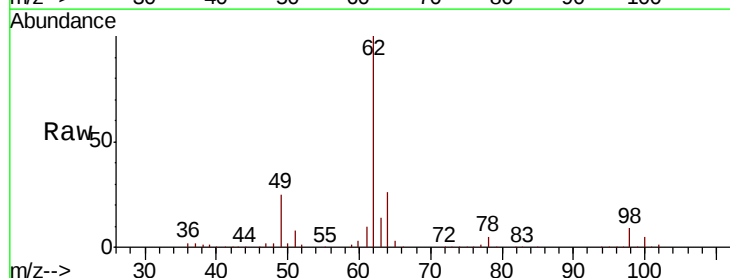
Manual Integrations
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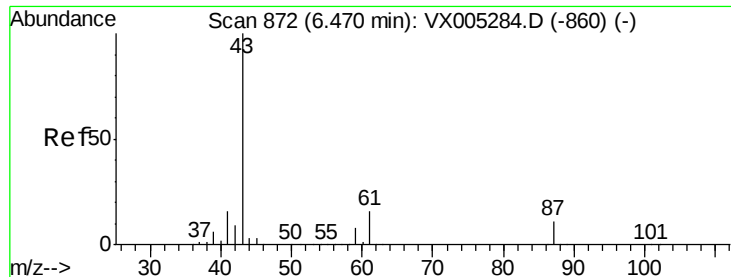
MMDadoda
10/24/2018 10:02:53 AM



#42
1,2-Dichloroethane
Concen: 50.157 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	62	Resp	164545
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	20.6





#43

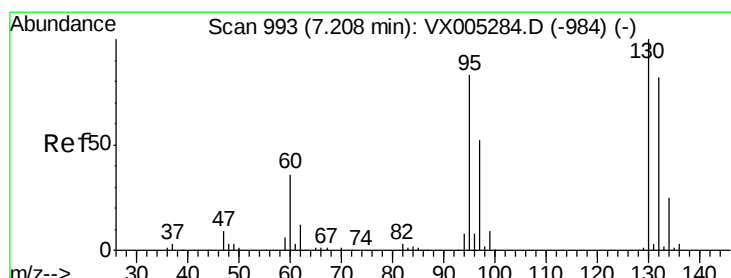
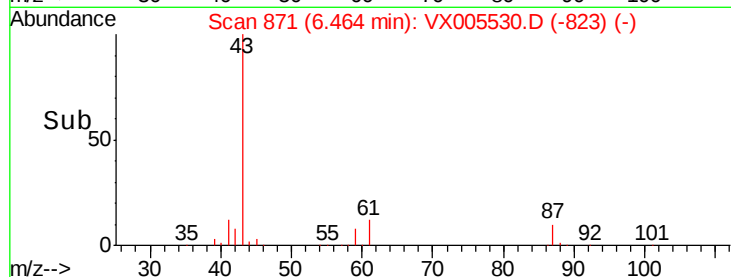
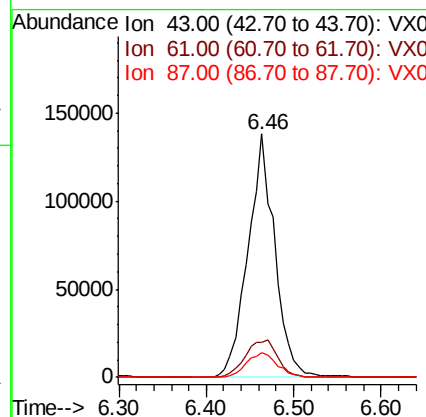
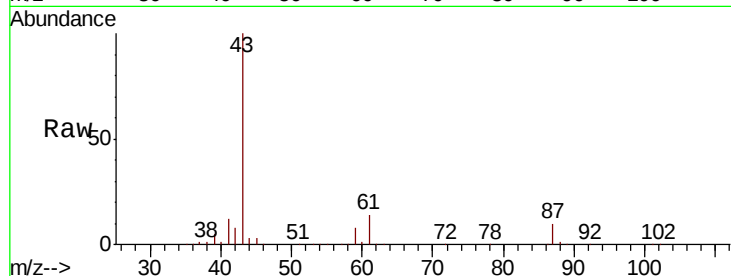
Isopropyl Acetate
 Concen: 55.161 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	17.0	25.4
87	11.7	11.4	17.2

Manual Integrations
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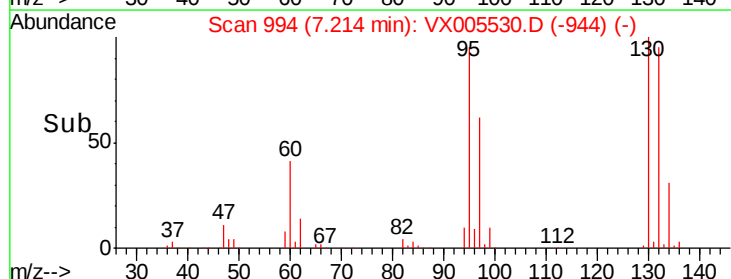
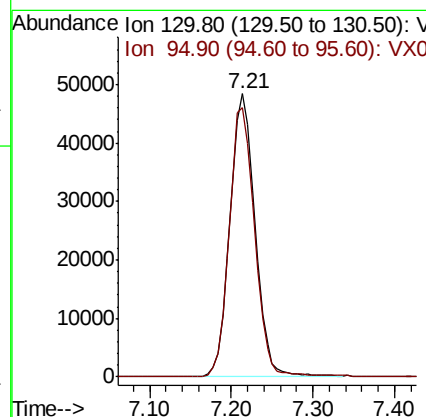
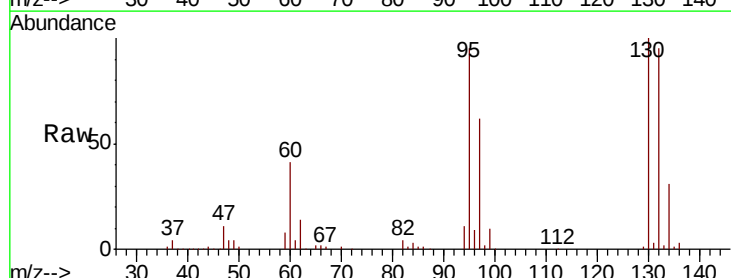
MMDadoda
 10/24/2018 10:02:53 AM

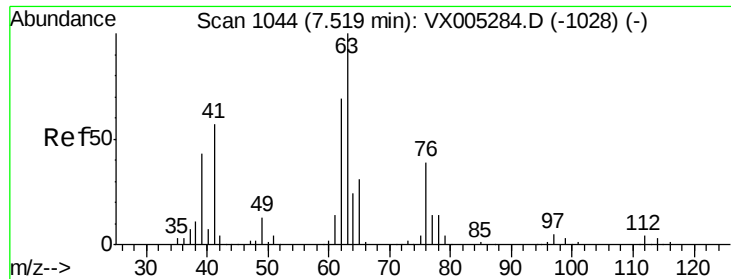


#44

Trichloroethene
 Concen: 43.332 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	181.6





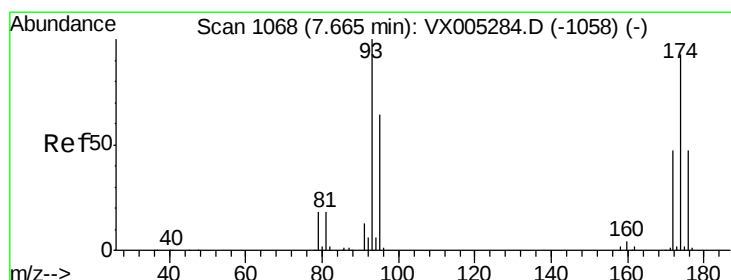
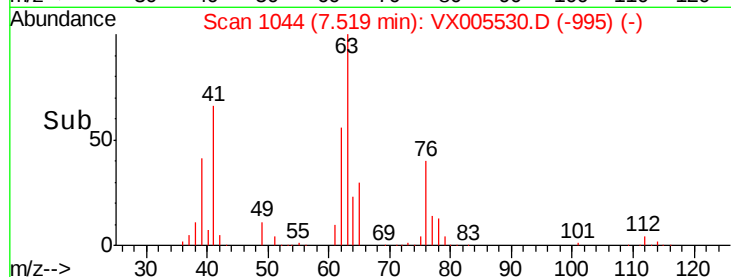
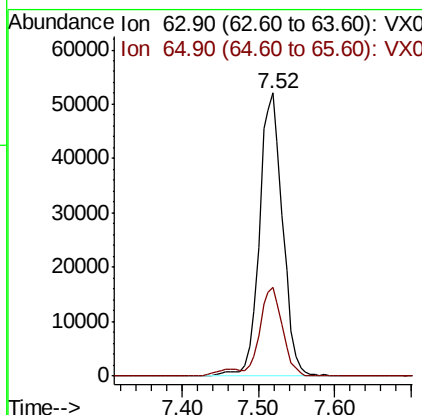
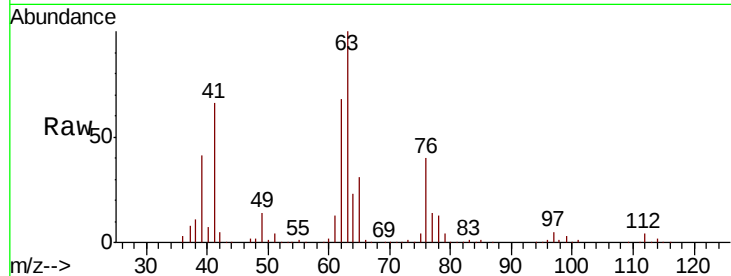
#45
 1,2-Dichloropropane
 Concen: 48.339 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 110165
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.3 36.5

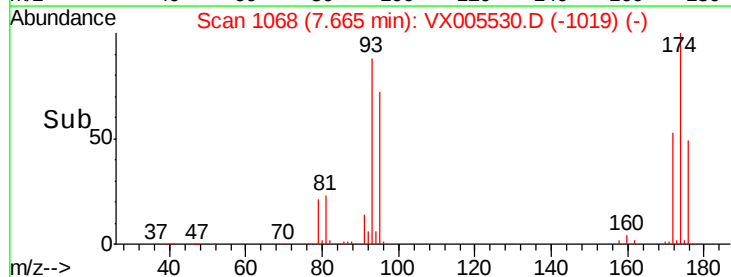
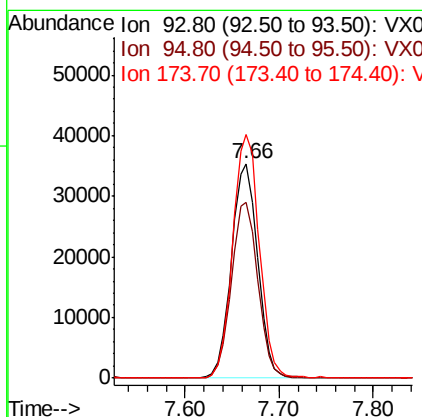
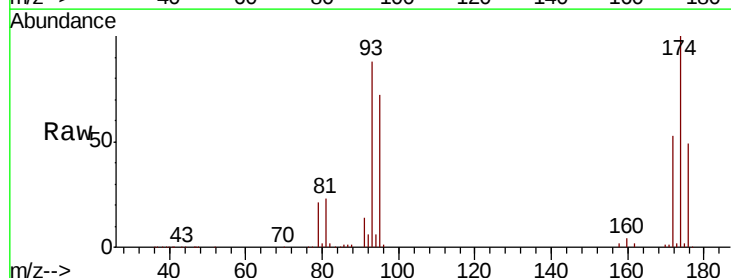
Manual Integrations
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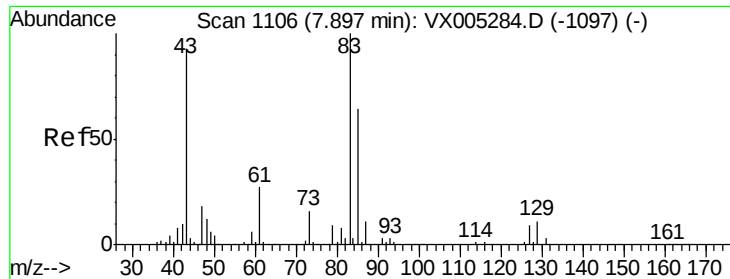
MMDadoda
 10/24/2018 10:02:53 AM



#46
 Dibromomethane
 Concen: 45.692 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion: 93 Resp: 68729
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.5 98.3
 174 114.5 94.2 141.4





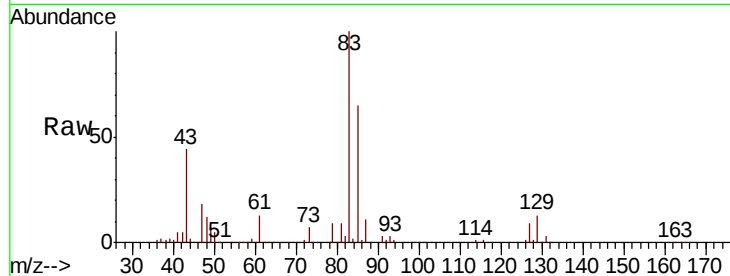
#47
Bromodichloromethane
Concen: 48.733 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3
127	9.4	7.3	10.9

Manual Integrations
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MMDadoda
10/24/2018 10:02:53 AM

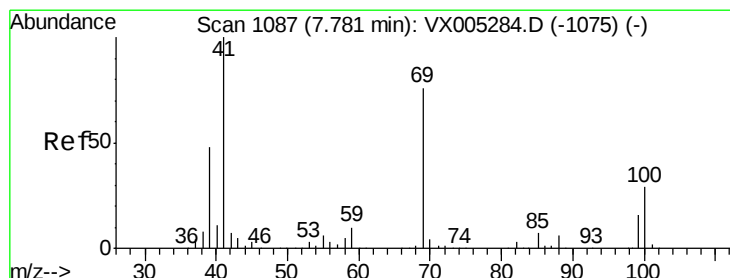
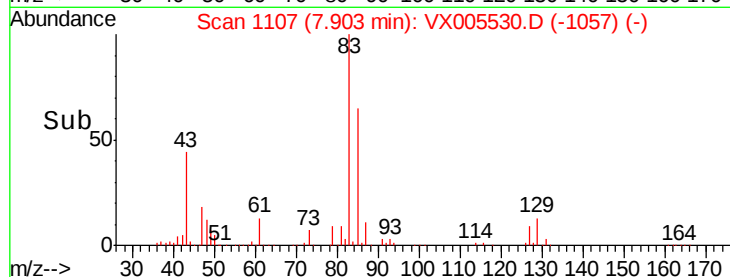
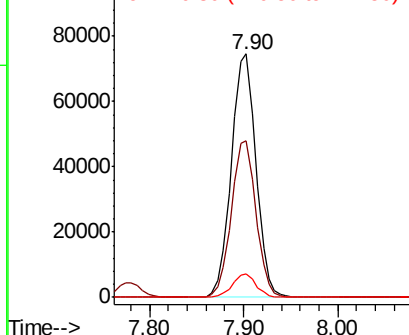


Abundance

Ion 82.90 (82.60 to 83.60): VX0

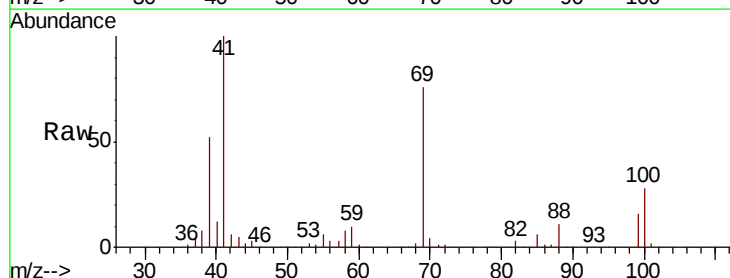
Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48
Methyl methacrylate
Concen: 50.251 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.4	70.2	105.4
39	51.6	42.7	64.1

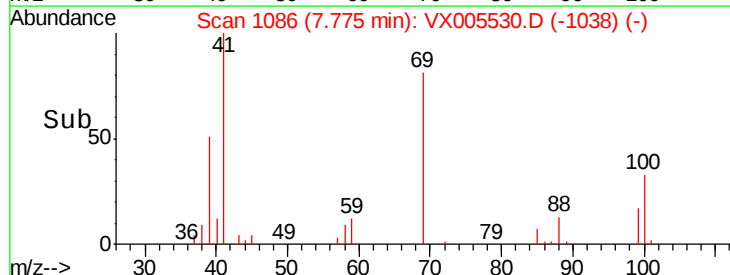
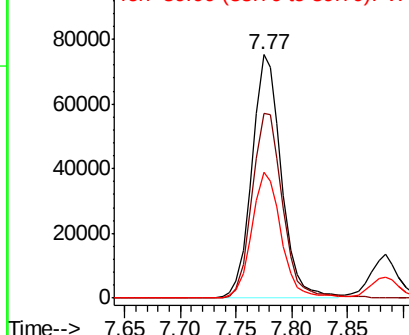


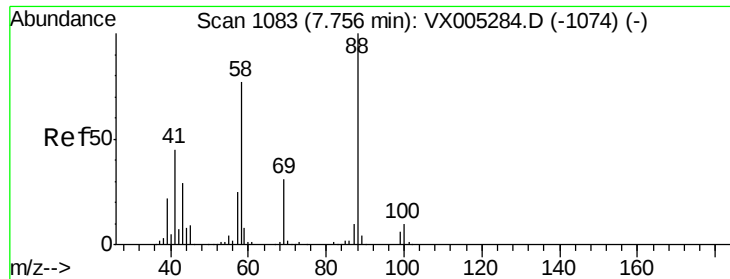
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





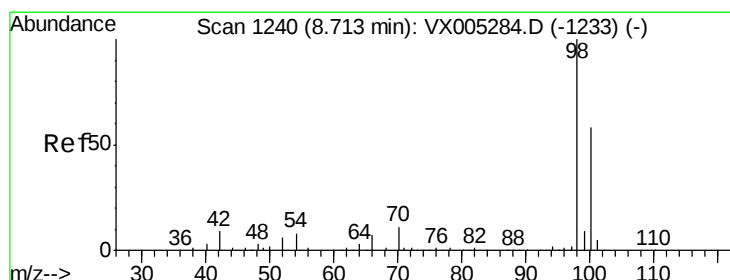
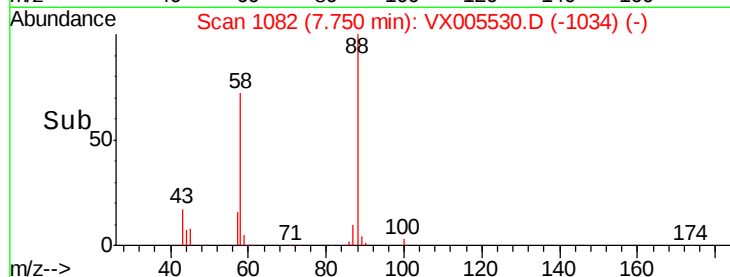
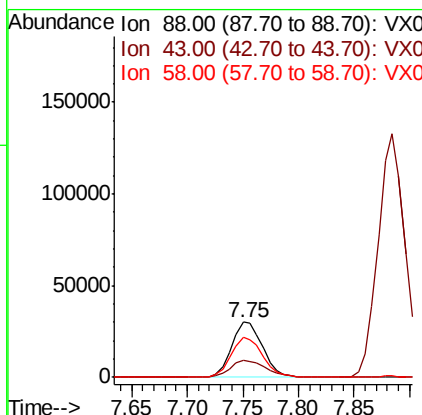
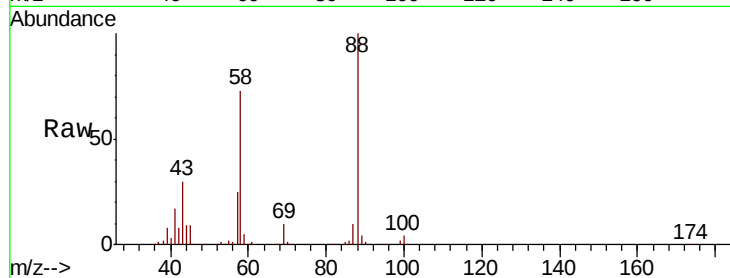
#49
1,4-Dioxane
Concen: 914.320 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	24.7	37.1
58	73.9	55.3	82.9

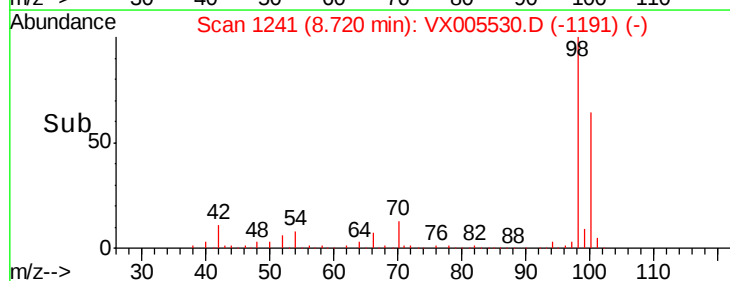
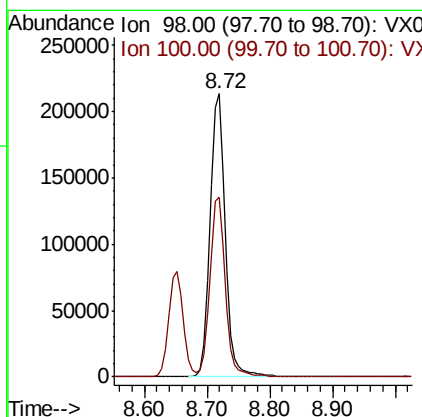
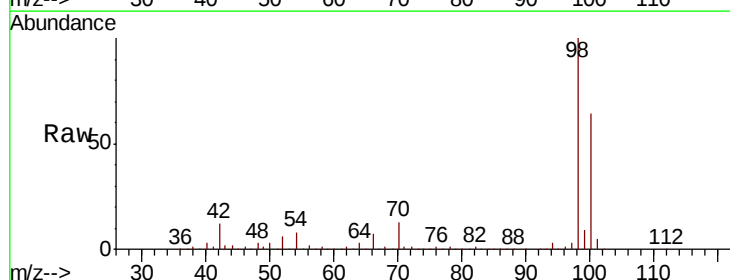
Manual Integrations
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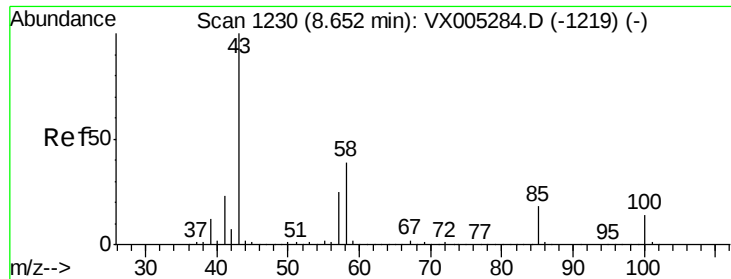
MMDadoda
10/24/2018 10:02:53 AM



#50
Toluene-d8
Concen: 49.248 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 260.697 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 957737

Ion Ratio Lower Upper

43 100

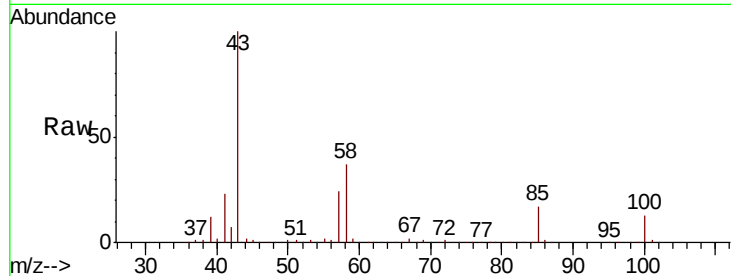
58 36.9 33.1 49.7

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

400000

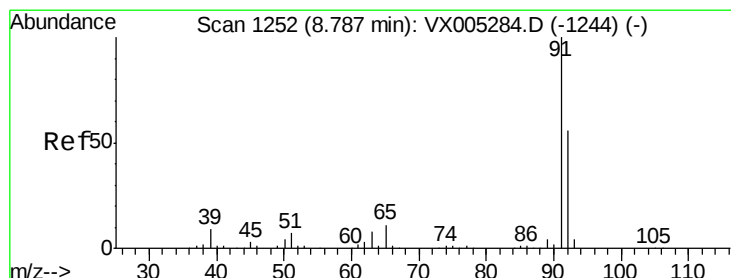
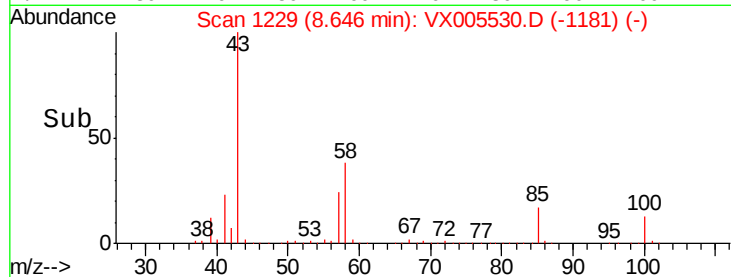
200000

0

8.65

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 47.432 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005530.D

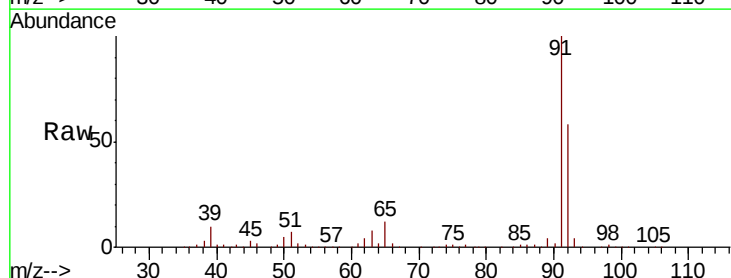
Acq: 23 Oct 2018 19:20

Tgt Ion: 92 Resp: 241094

Ion Ratio Lower Upper

92 100

91 174.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

150000

100000

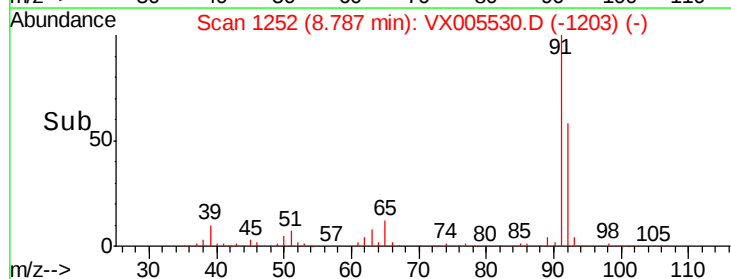
50000

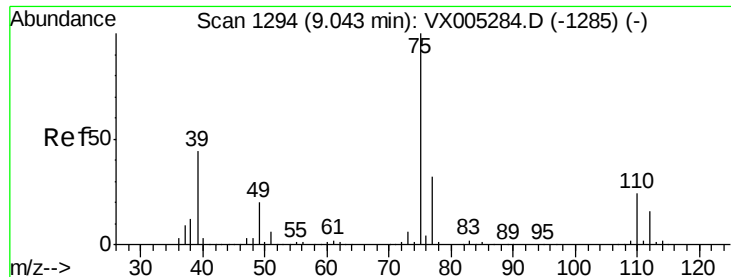
0

8.79

8.70 8.80 8.90 9.00

Time-->





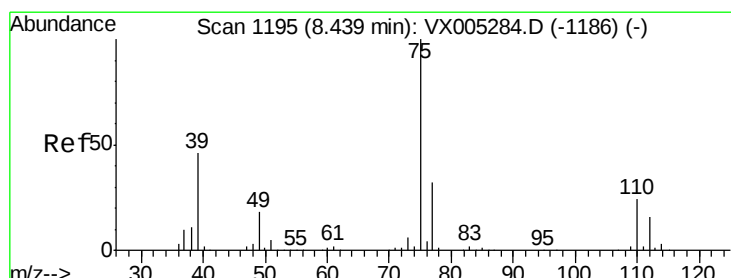
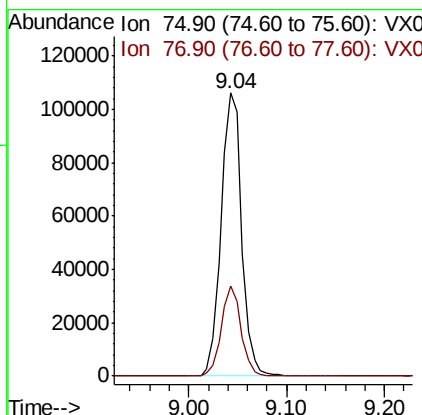
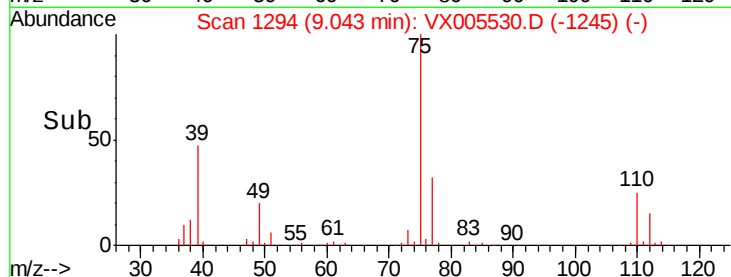
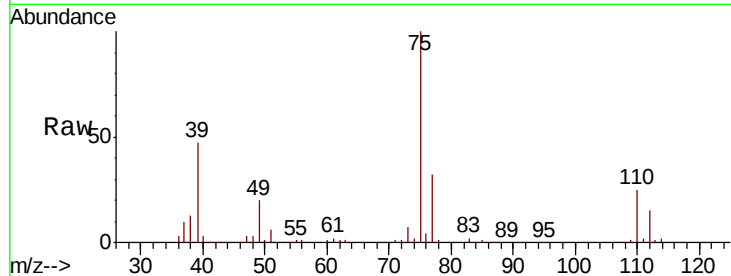
#53
 t-1,3-Dichloropropene
 Concen: 51.415 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 154810
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 37.0

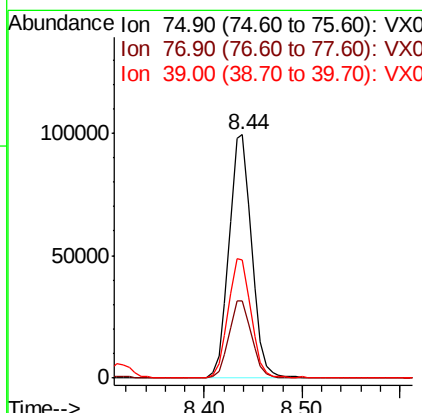
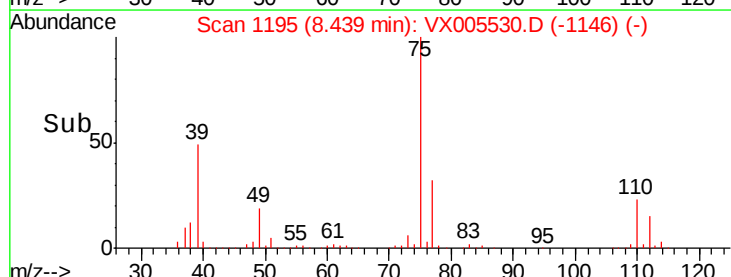
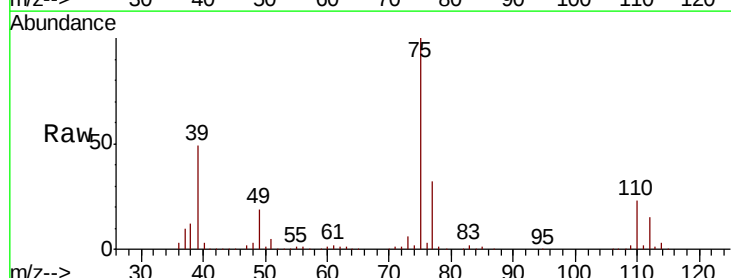
Manual Integrations
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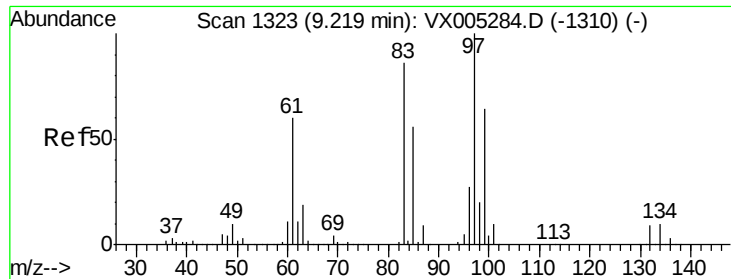
MMDadoda
 10/24/2018 10:02:53 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.064 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion: 75 Resp: 160072
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2
 39 48.5 36.4 54.6





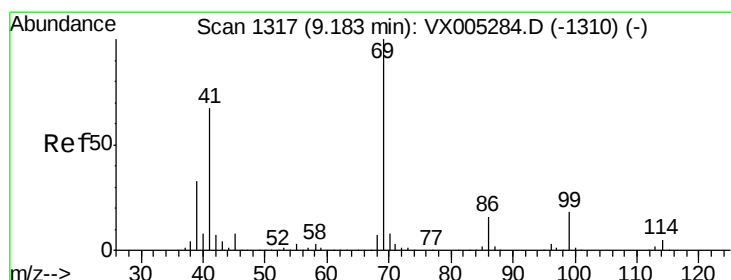
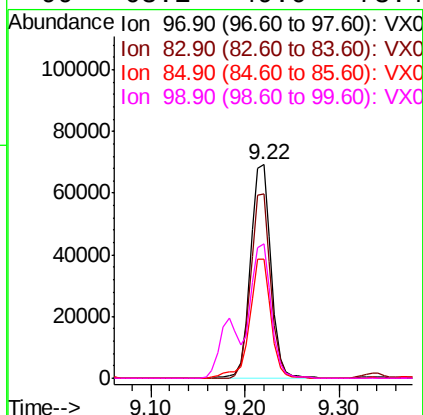
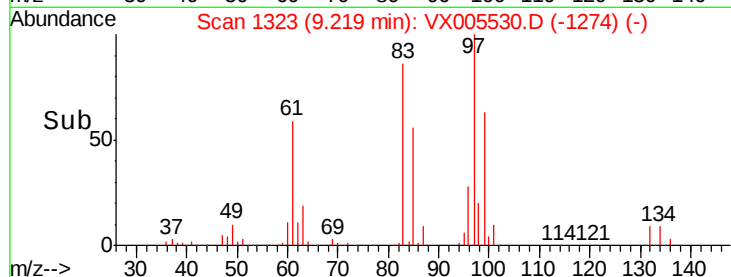
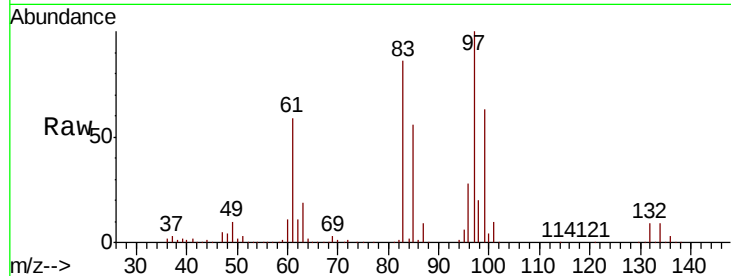
#55
 1,1,2-Trichloroethane
 Concen: 49.052 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	105603
Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.4	99.6
85	55.9	43.3	64.9
99	63.1	49.0	73.4

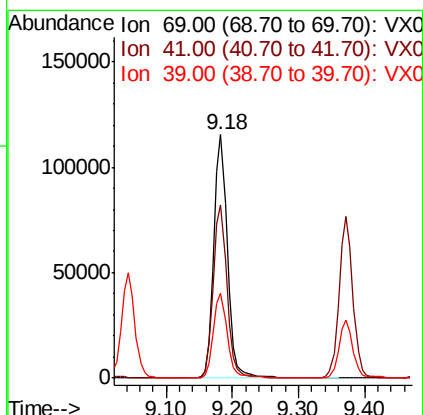
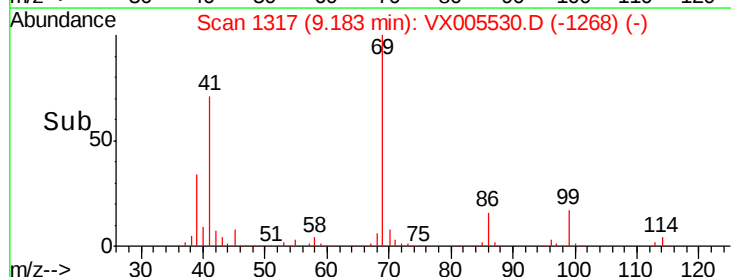
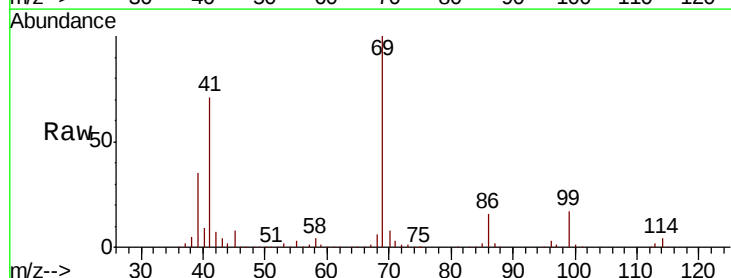
Manual Integrations
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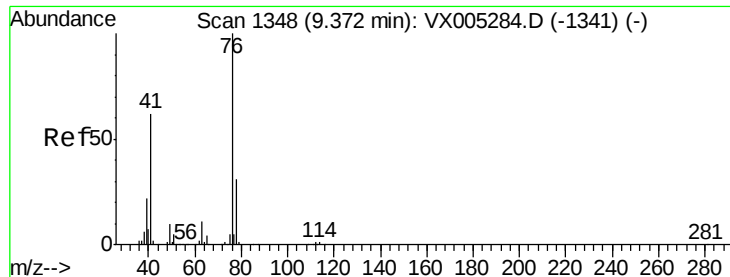
MMDadoda
 10/24/2018 10:02:53 AM



#56
 Ethyl methacrylate
 Concen: 51.810 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion:	69	Resp:	162604
Ion	Ratio	Lower	Upper
69	100		
41	72.1	51.0	76.4
39	35.1	26.1	39.1





#57

1,3-Dichloropropane

Concen: 48.279 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 173485

Ion Ratio Lower Upper

76 100

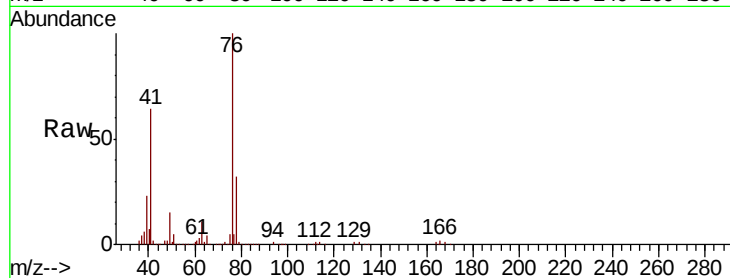
78 31.9 25.5 38.3

Manual Integrations

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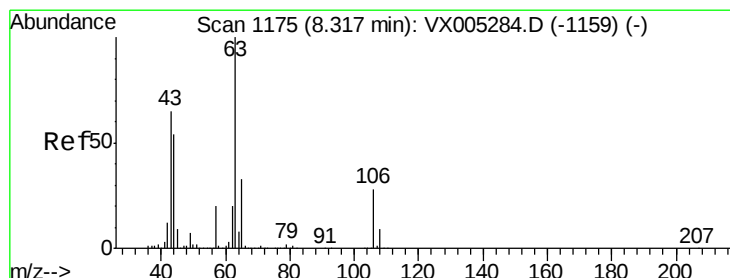
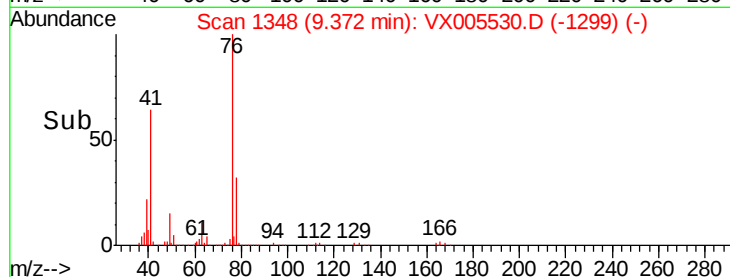
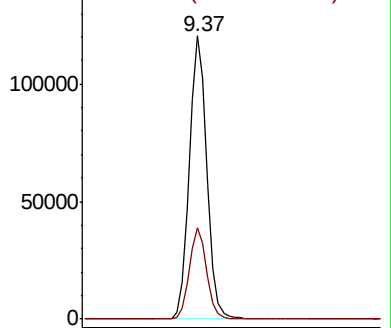
MMDadoda

10/24/2018 10:02:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 252.940 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005530.D

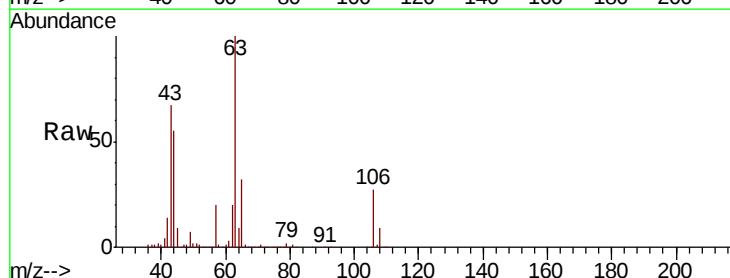
Acq: 23 Oct 2018 19:20

Tgt Ion: 63 Resp: 445206

Ion Ratio Lower Upper

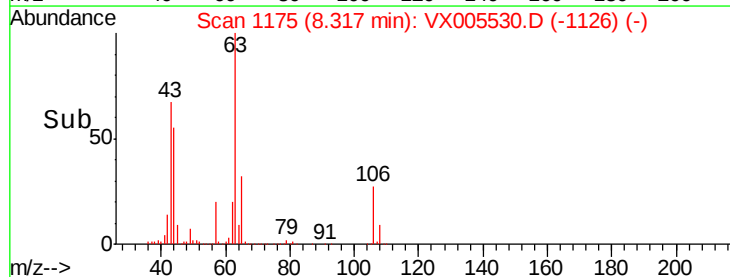
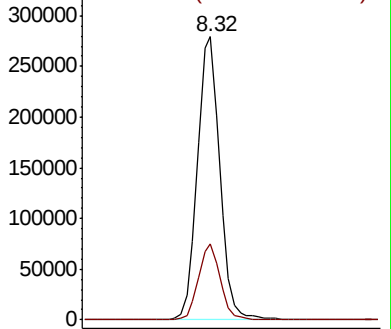
63 100

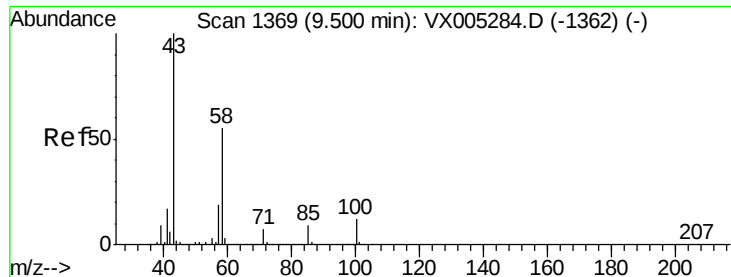
106 26.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





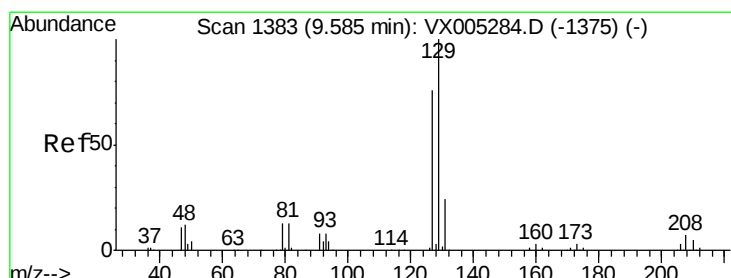
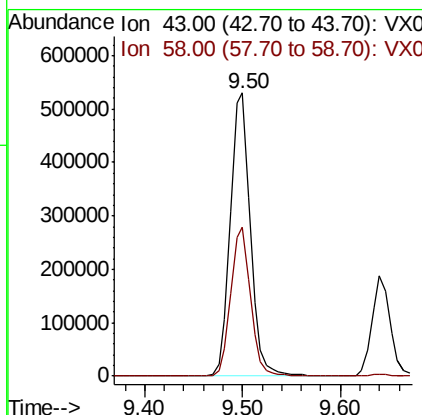
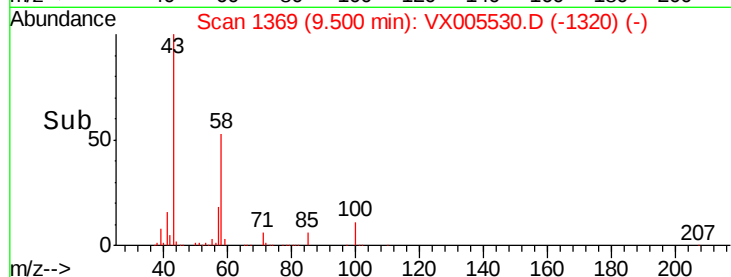
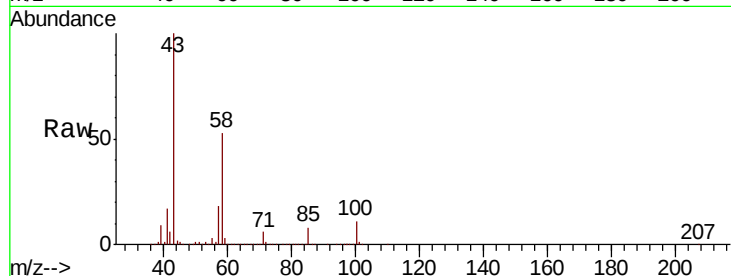
#59
2-Hexanone
Concen: 255.082 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 753817
Ion Ratio Lower Upper
43 100
58 52.2 29.0 87.0

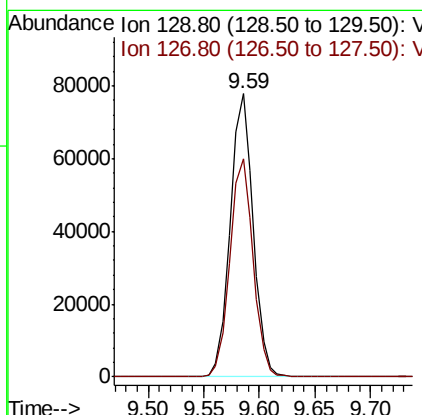
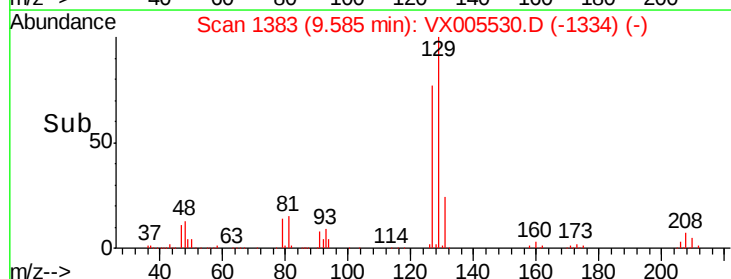
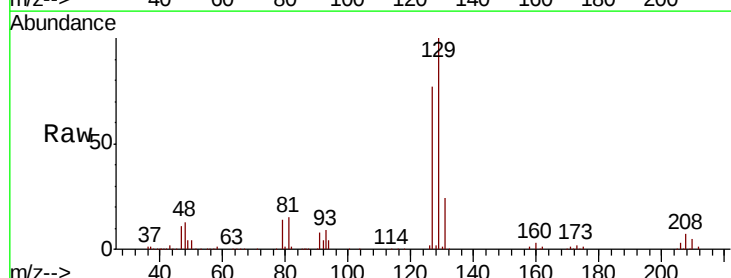
Manual Integrations
APPROVED

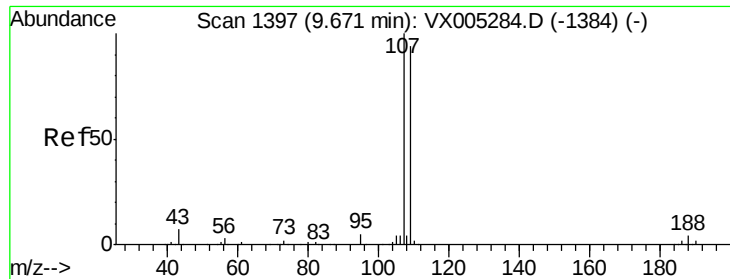
MMDadoda
10/24/2018 10:02:53 AM



#60
Dibromochloromethane
Concen: 49.719 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion: 129 Resp: 110643
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.694 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 107759

Ion Ratio Lower Upper

107 100

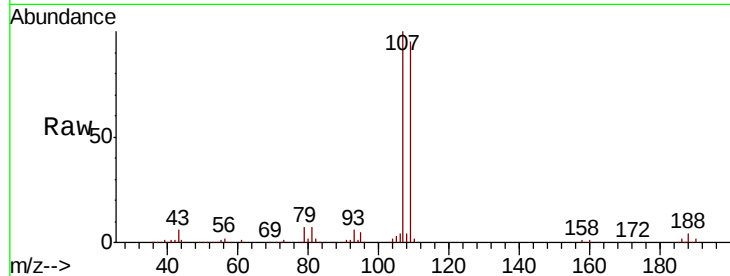
109 94.2 76.0 114.0

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

80000

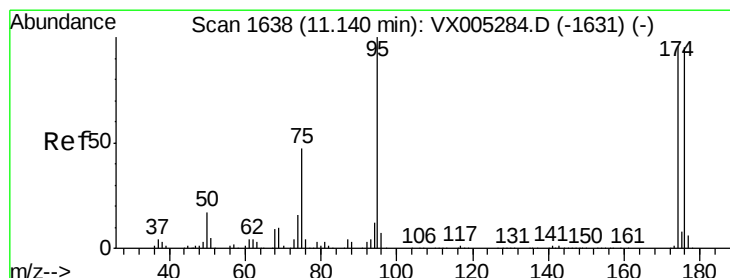
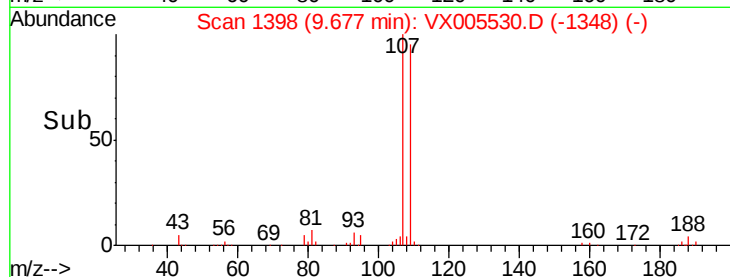
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.191 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

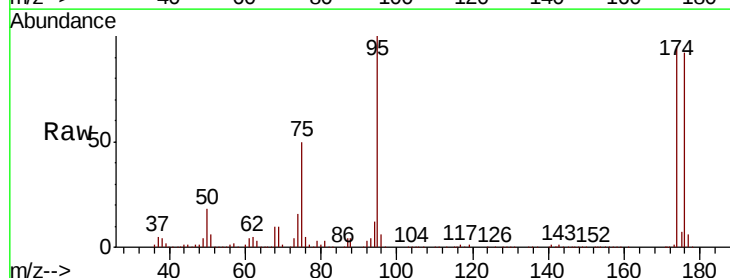
Tgt Ion: 95 Resp: 137101

Ion Ratio Lower Upper

95 100

174 91.5 0.0 185.2

176 89.1 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

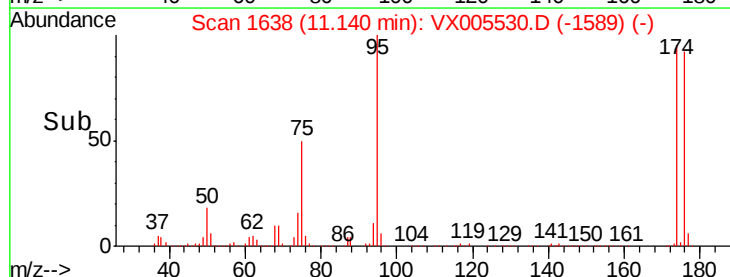
11.14

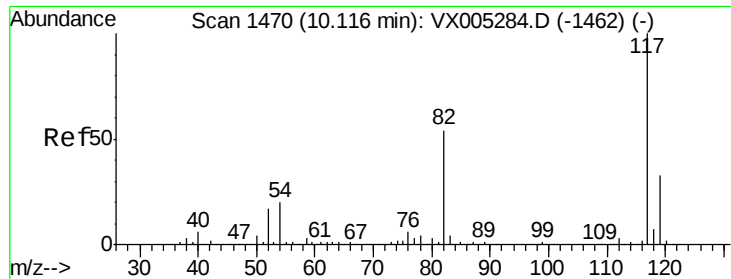
100000

50000

0

Time-->





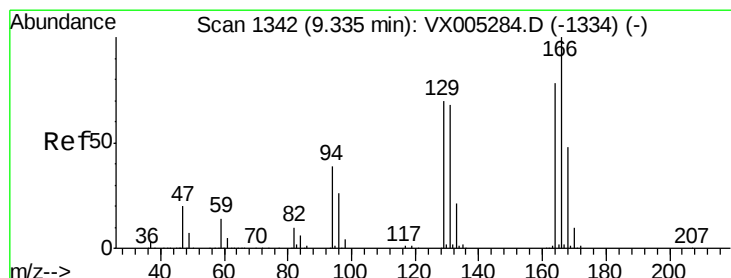
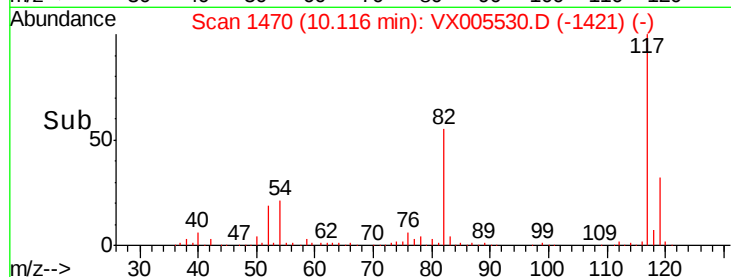
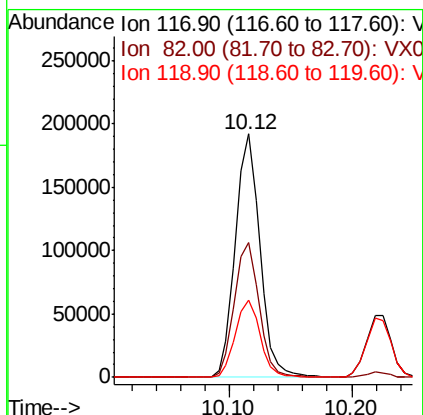
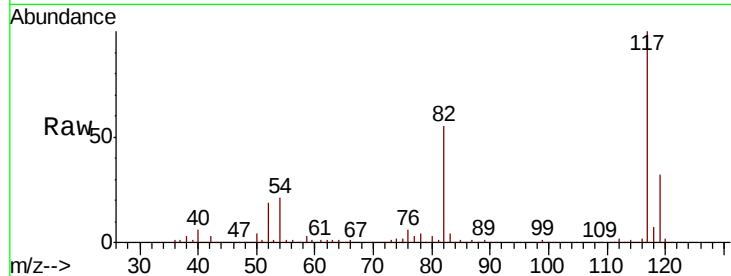
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	47.8	71.6
119	31.9	29.3	43.9

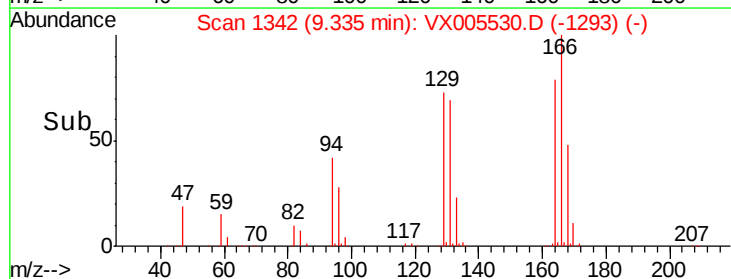
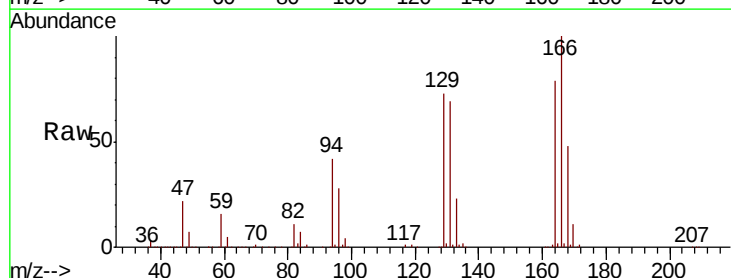
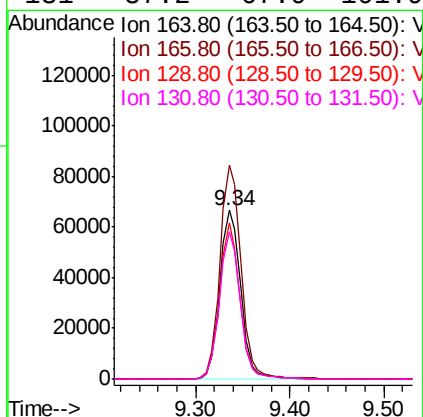
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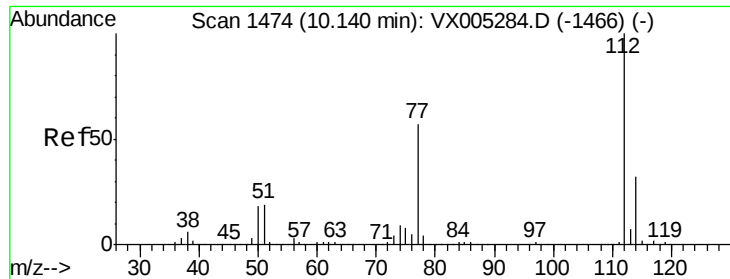
MMDadoda
10/24/2018 10:02:53 AM



#64
Tetrachloroethene
Concen: 47.912 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.8	154.2
129	93.0	69.4	104.0
131	87.2	67.9	101.9





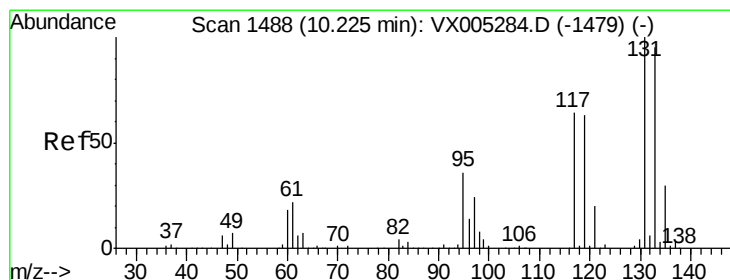
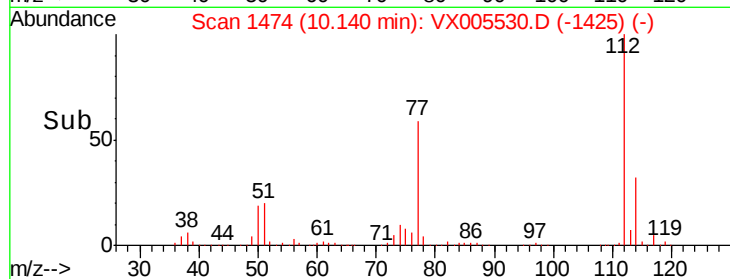
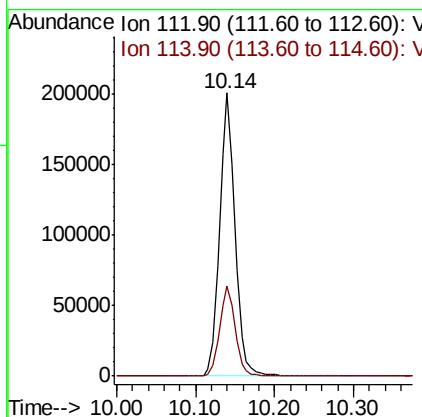
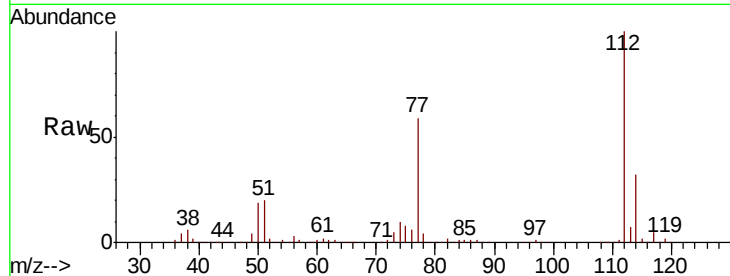
#65
Chlorobenzene
Concen: 48.113 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 273854
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8

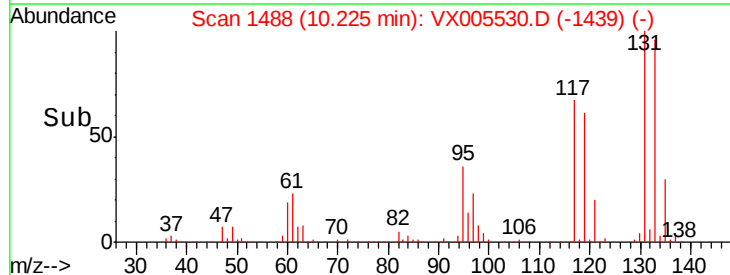
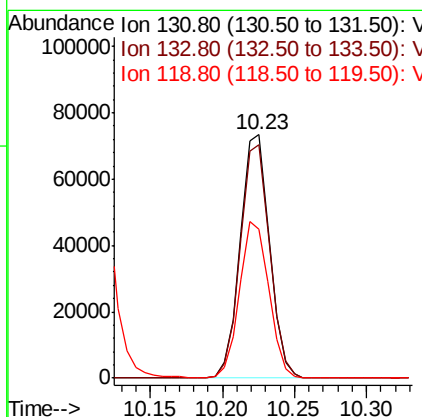
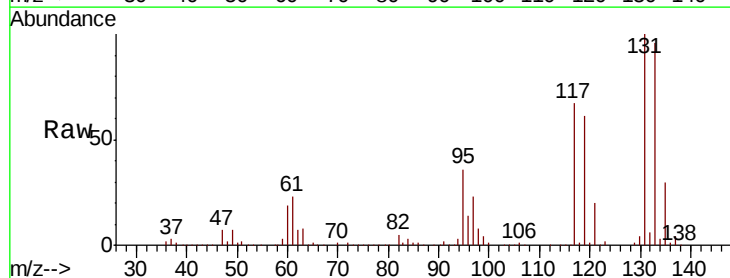
Manual Integrations
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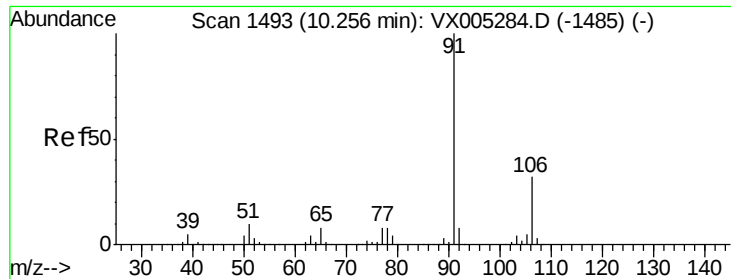
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.094 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion:131 Resp: 103639
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.4
119 64.5 32.9 98.6





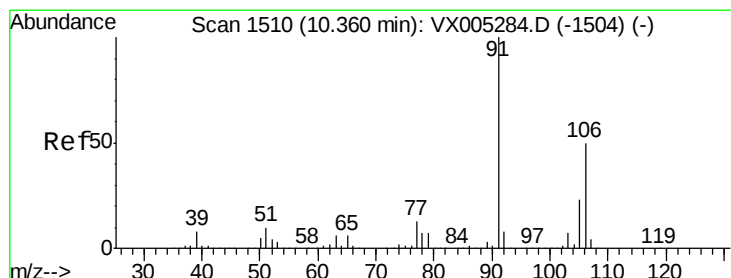
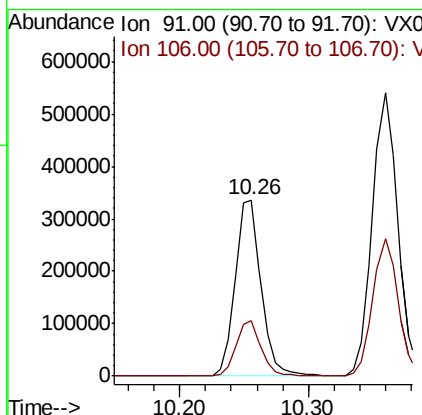
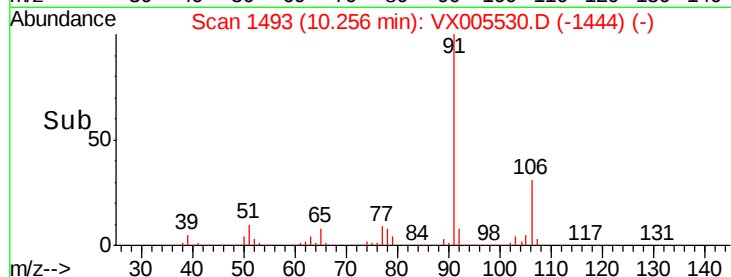
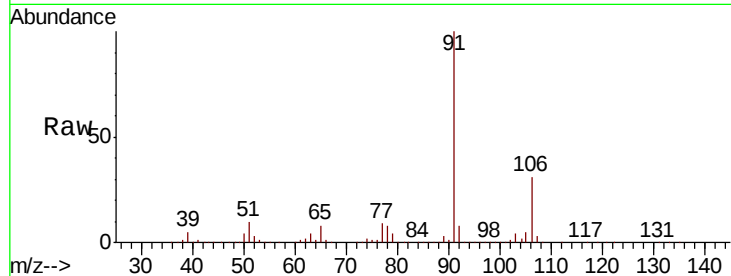
#67
Ethyl Benzene
Concen: 51.153 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 473332
Ion Ratio Lower Upper
91 100
106 31.4 25.9 38.9

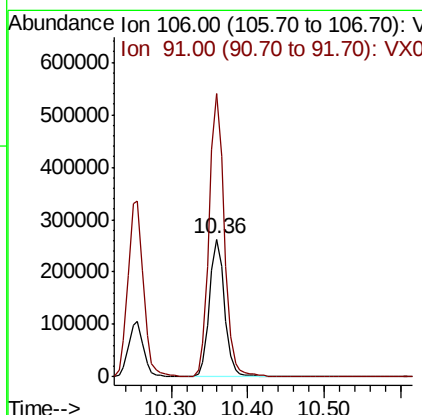
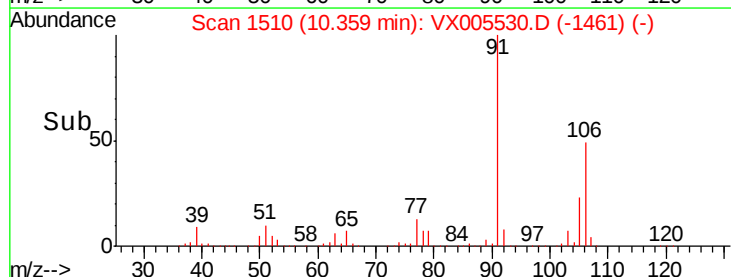
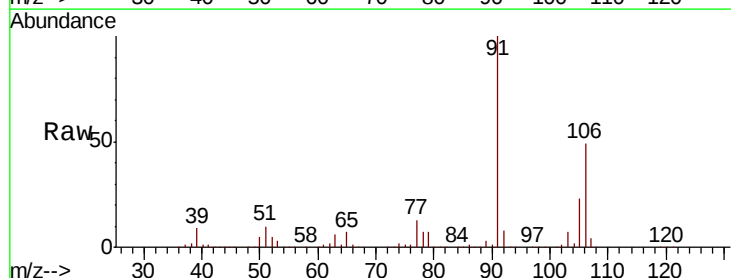
Manual Integrations
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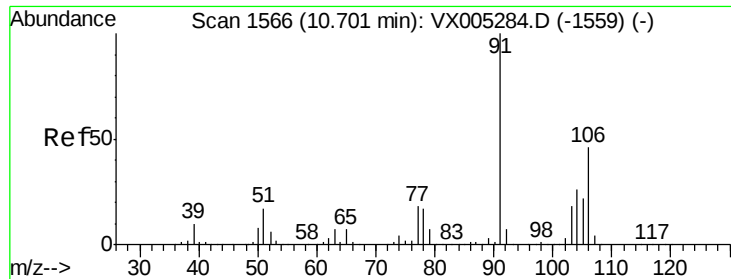
MMDadoda
10/24/2018 10:02:53 AM



#68
m/p-Xylenes
Concen: 101.027 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion: 106 Resp: 362839
Ion Ratio Lower Upper
106 100
91 205.9 157.1 235.7





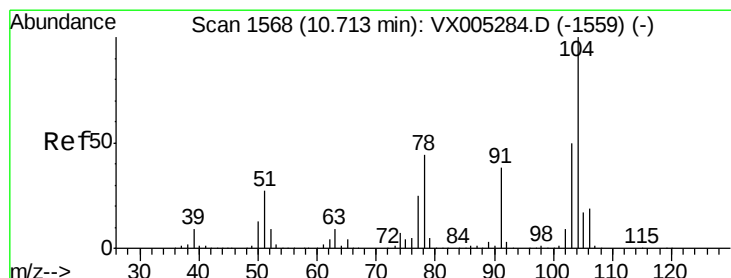
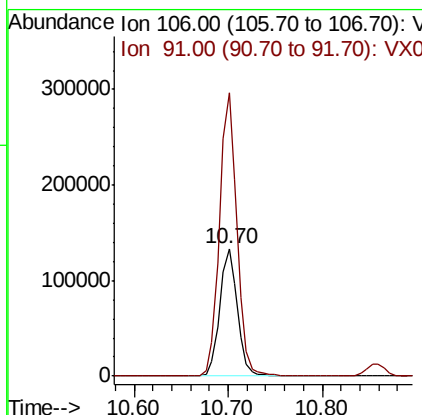
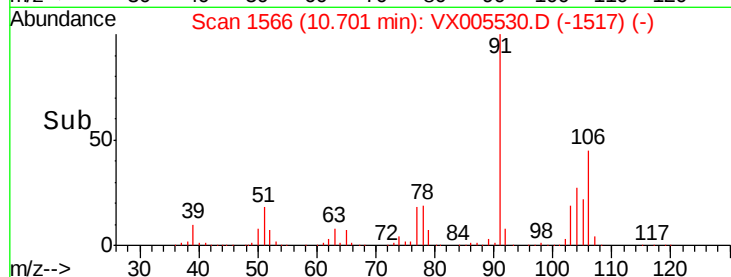
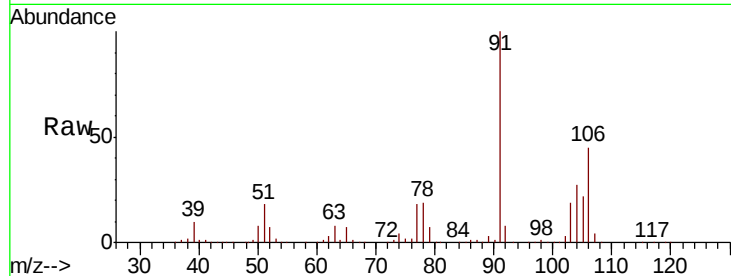
#69
o-Xylene
Concen: 50.166 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 173764
Ion Ratio Lower Upper
106 100
91 219.4 105.1 315.1

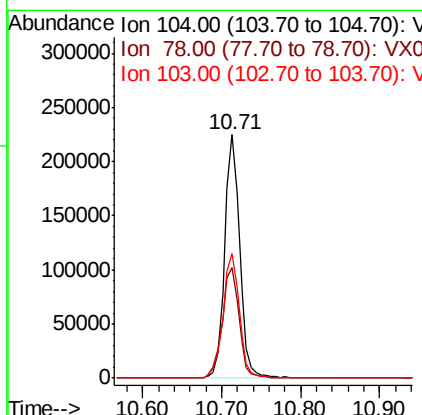
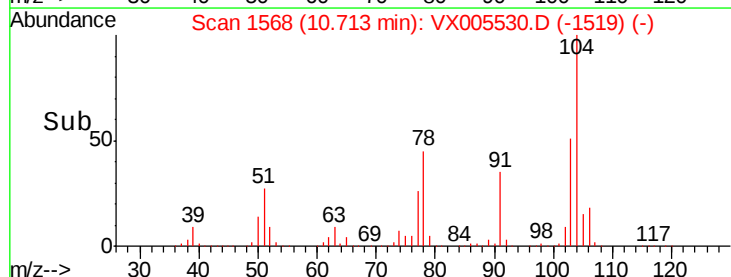
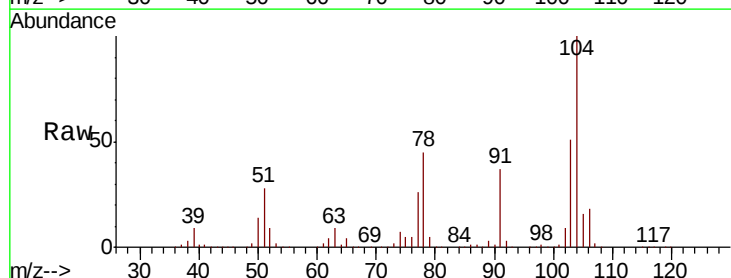
Manual Integrations
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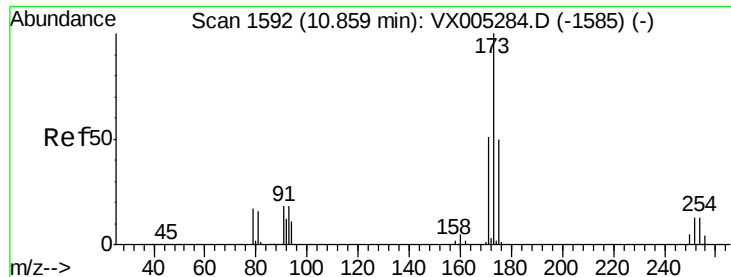
MMDadoda
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#70
Styrene
Concen: 52.364 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion:104 Resp: 298328
Ion Ratio Lower Upper
104 100
78 51.2 37.4 56.0
103 56.0 43.8 65.6





#71

Bromoform

Concen: 51.432 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 93226

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

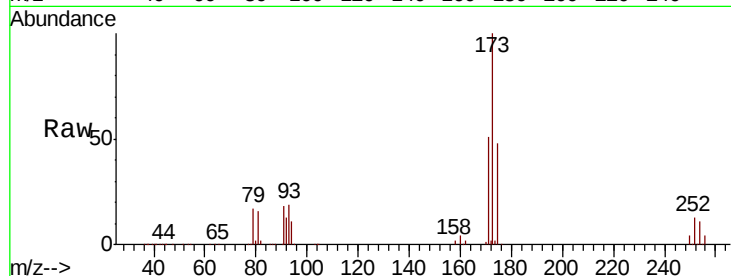
254 0.2 0.2 0.2

Manual Integrations

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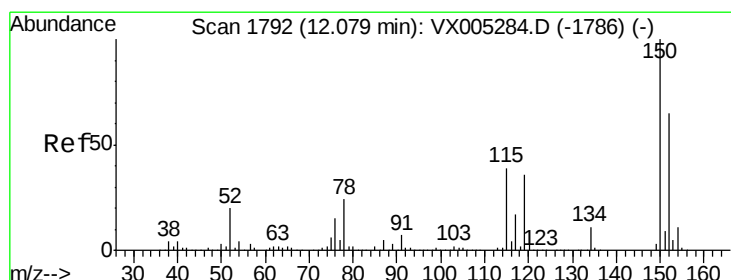
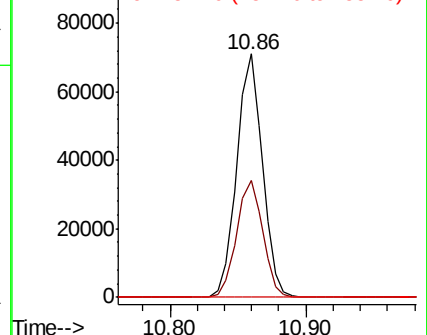
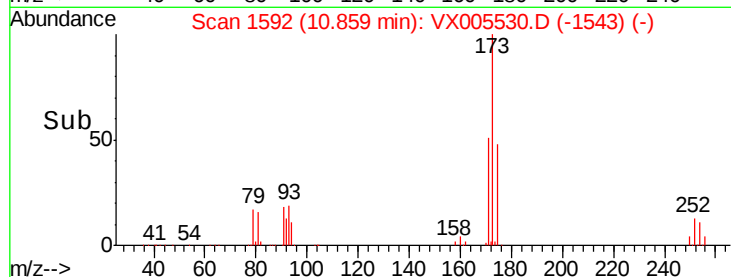
10/24/2018 10:02:53 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

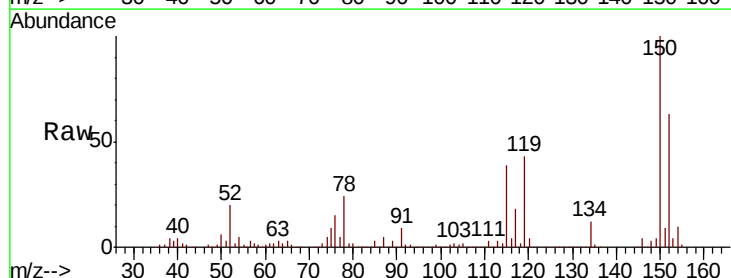
Tgt Ion:152 Resp: 151981

Ion Ratio Lower Upper

152 100

115 78.9 39.0 117.0

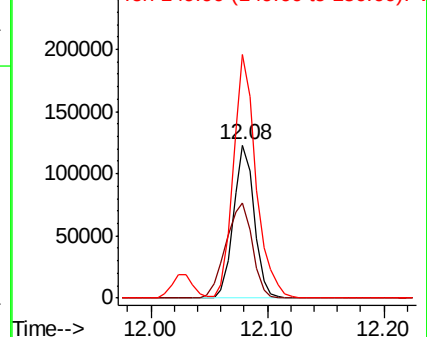
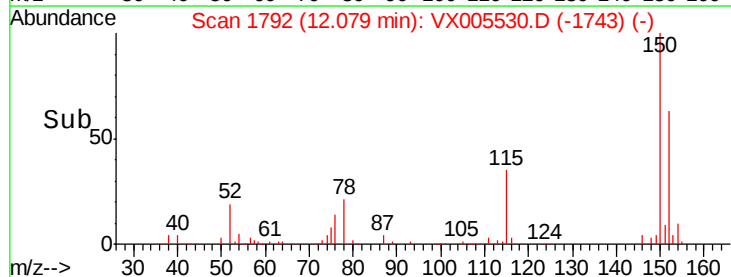
150 174.2 0.0 351.0

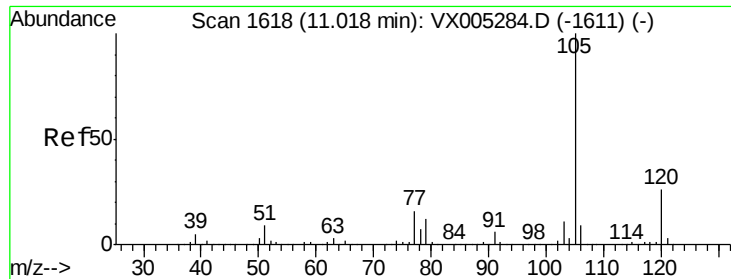


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.785 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 485939

Ion Ratio Lower Upper

105 100

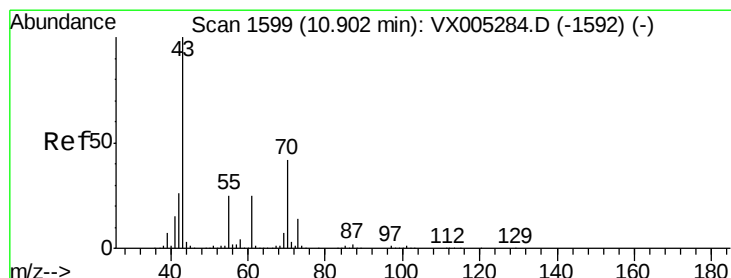
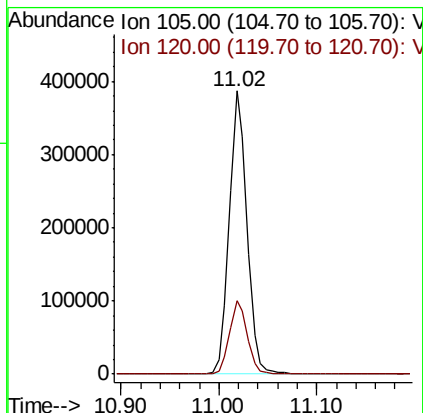
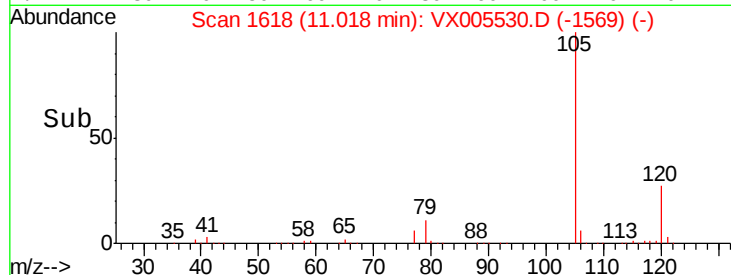
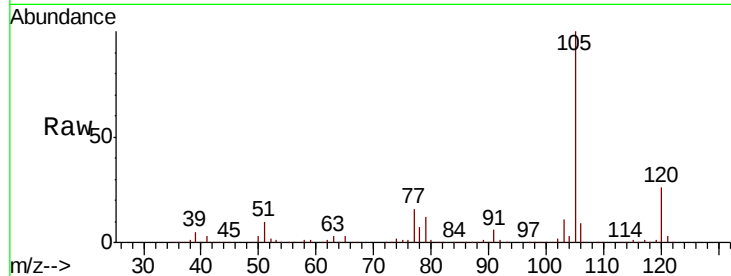
120 26.2 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.824 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Tgt Ion: 43 Resp: 243263

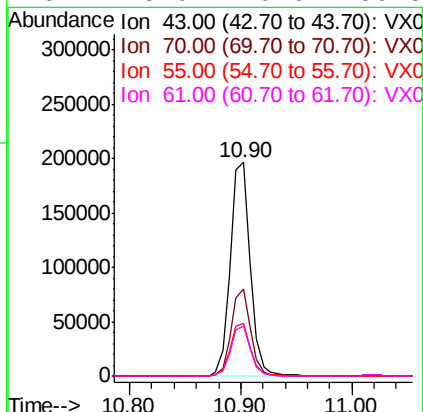
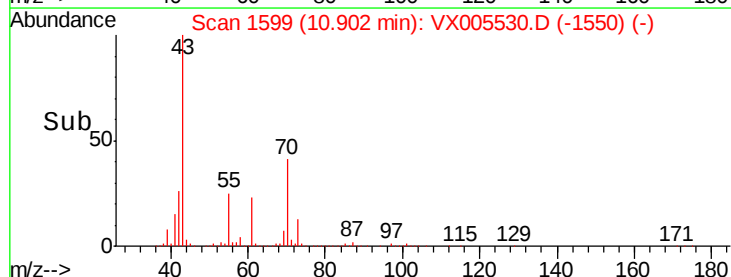
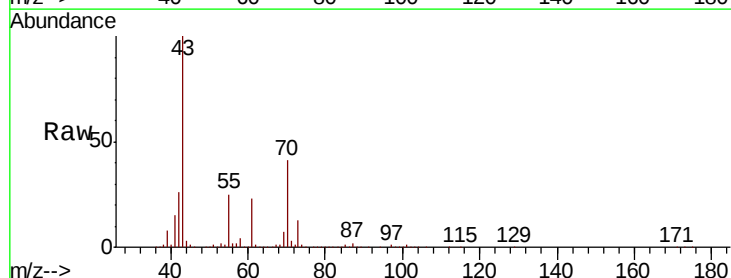
Ion Ratio Lower Upper

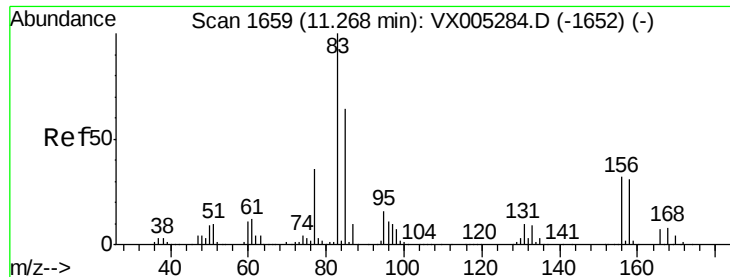
43 100

70 39.8 37.4 56.0

55 25.1 21.8 32.8

61 23.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.067 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 174047

Ion Ratio Lower Upper

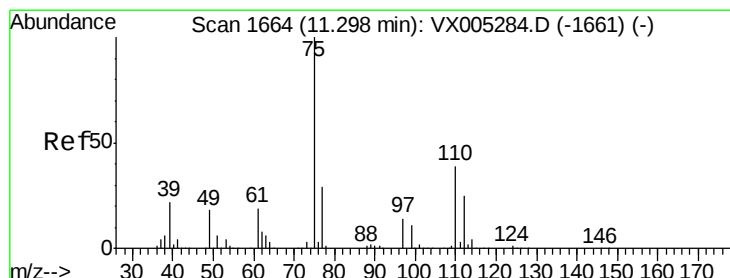
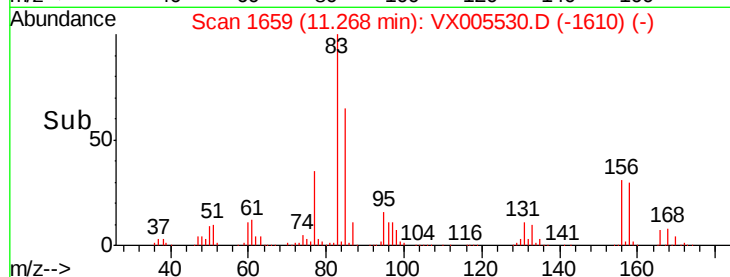
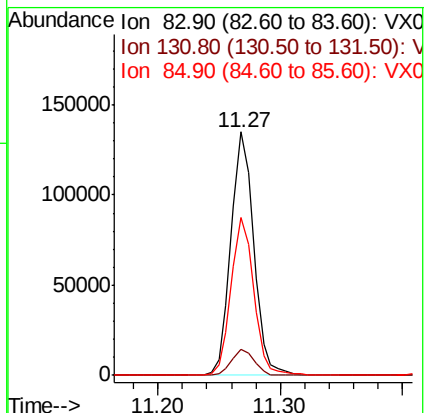
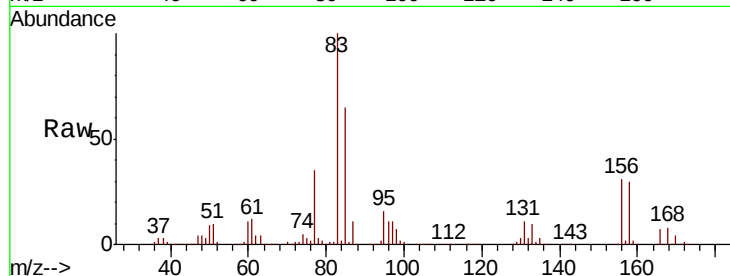
83 100

131 10.7 5.2 15.6

85 64.6 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.302 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005530.D

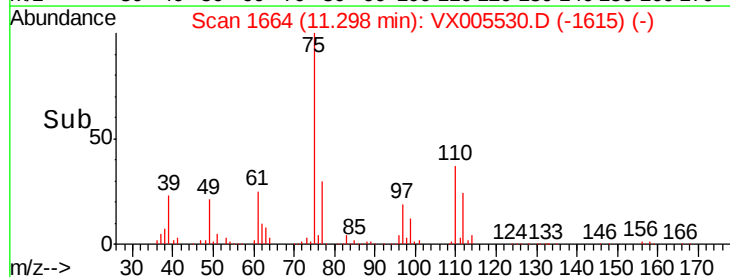
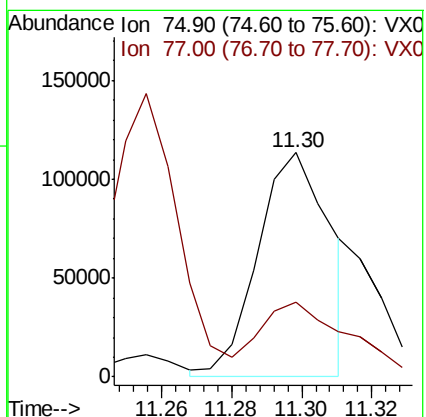
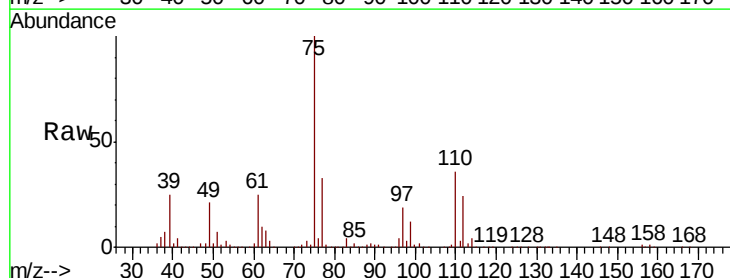
Acq: 23 Oct 2018 19:20

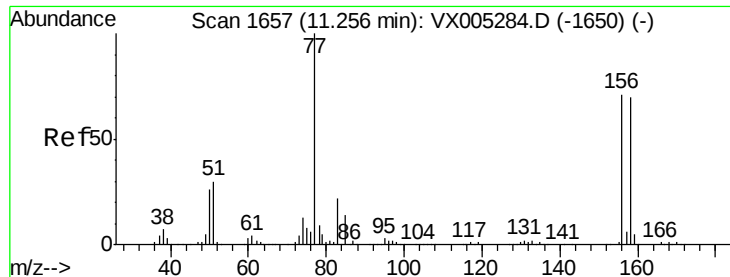
Tgt Ion: 75 Resp: 163031

Ion Ratio Lower Upper

75 100

77 40.6 20.2 60.6





#77

Bromobenzene

Concen: 50.247 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 129802

Ion Ratio Lower Upper

156 100

77 147.7 71.5 214.3

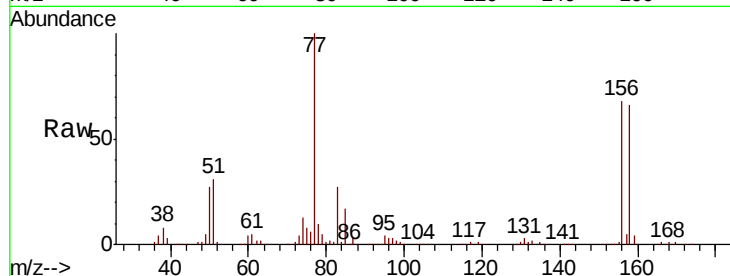
158 96.8 48.9 146.8

Manual Integrations

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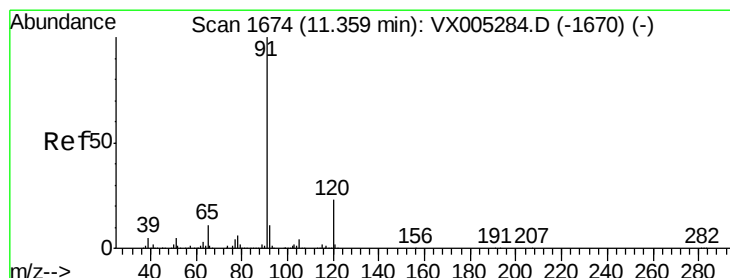
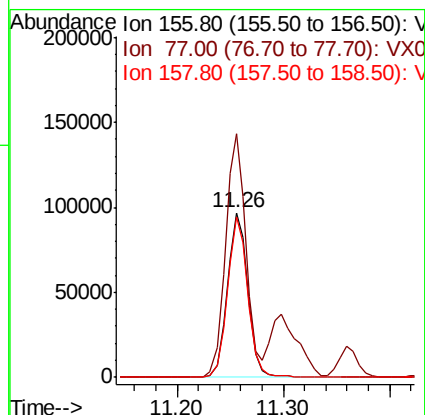
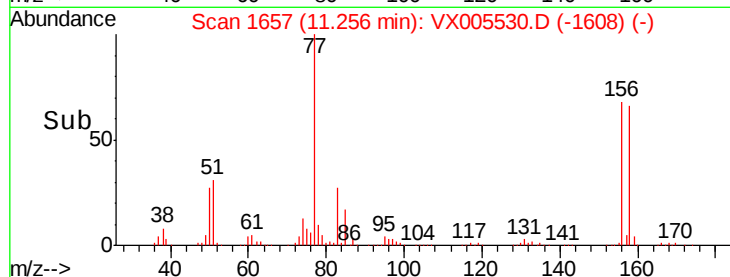
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.403 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005530.D

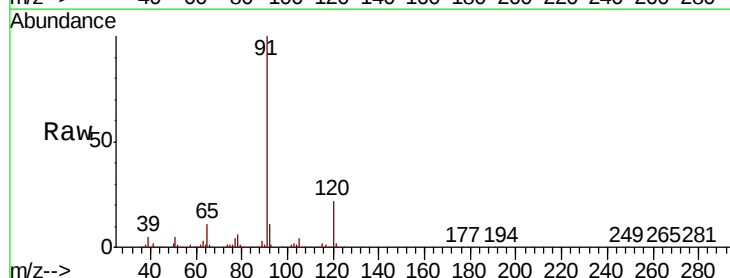
Acq: 23 Oct 2018 19:20

Tgt Ion: 91 Resp: 555219

Ion Ratio Lower Upper

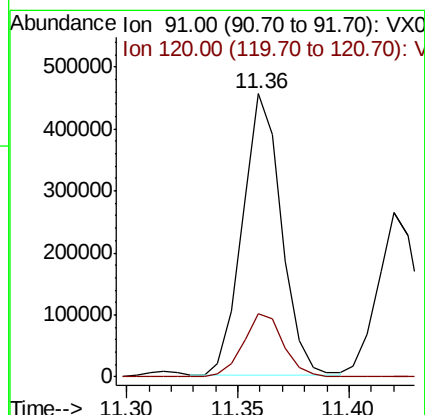
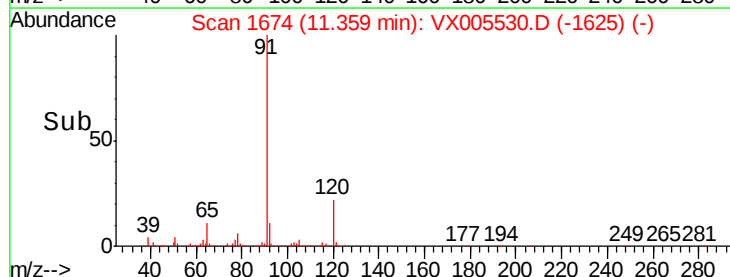
91 100

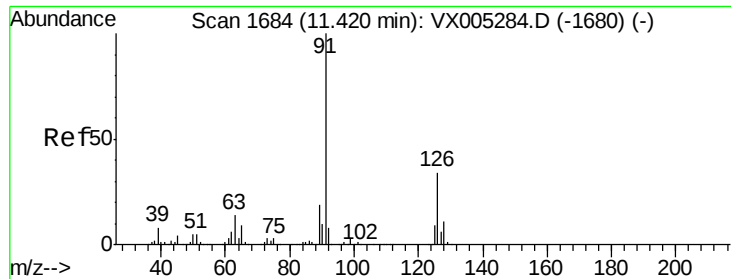
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.011 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 331169

Ion Ratio Lower Upper

91 100

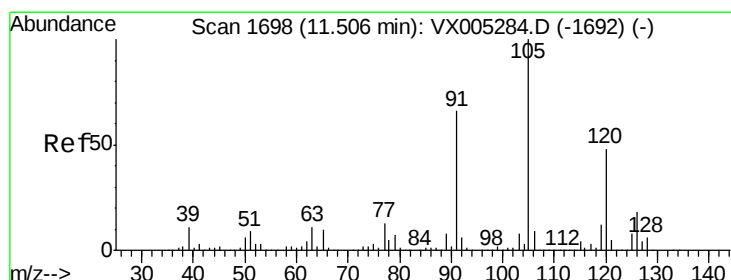
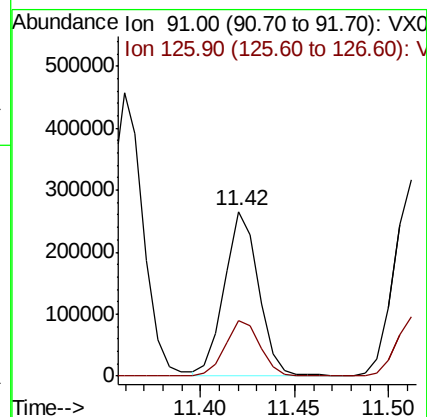
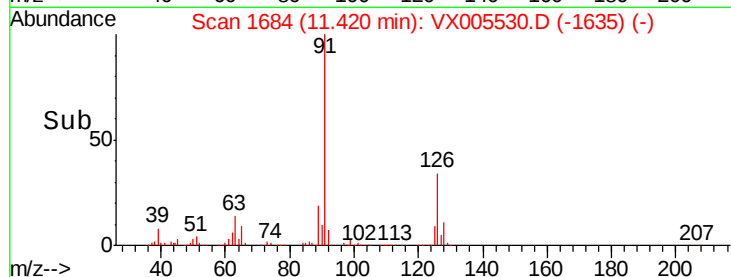
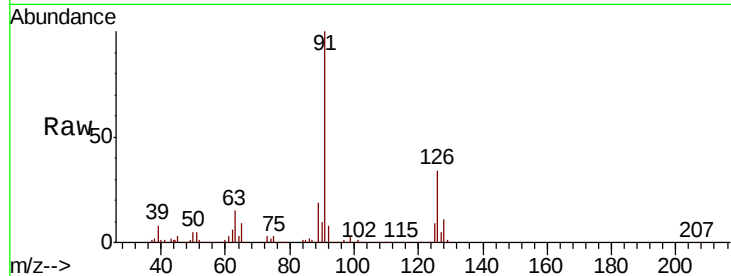
126 35.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.645 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005530.D

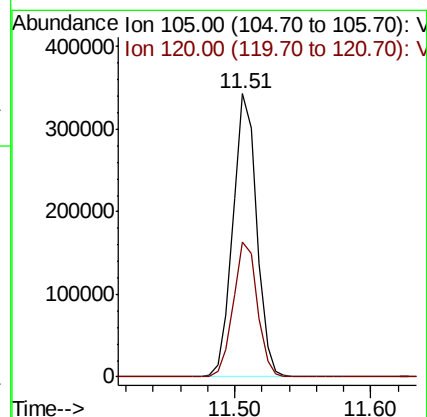
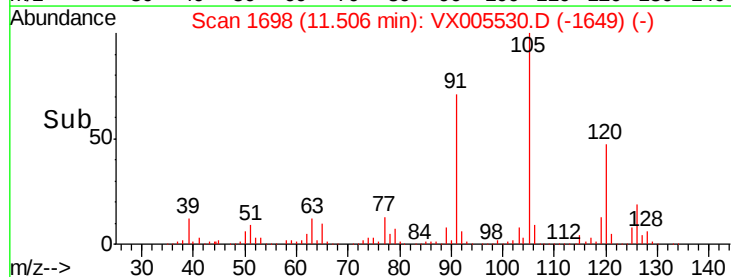
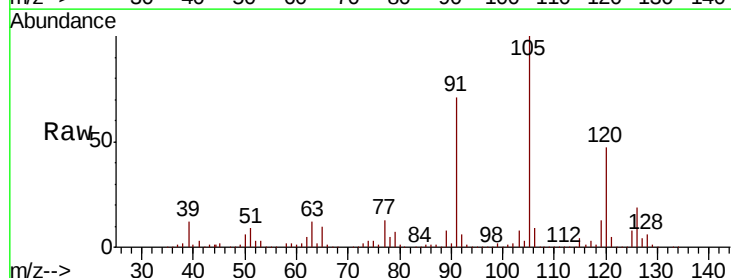
Acq: 23 Oct 2018 19:20

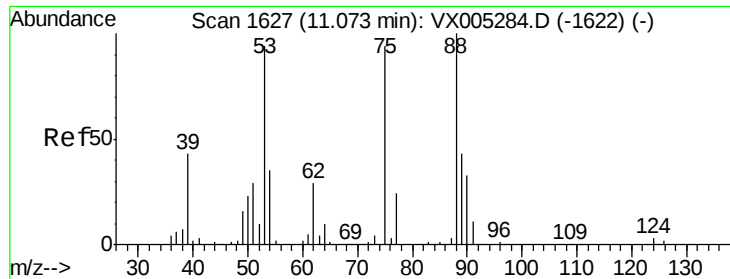
Tgt Ion: 105 Resp: 415047

Ion Ratio Lower Upper

105 100

120 48.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.277 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

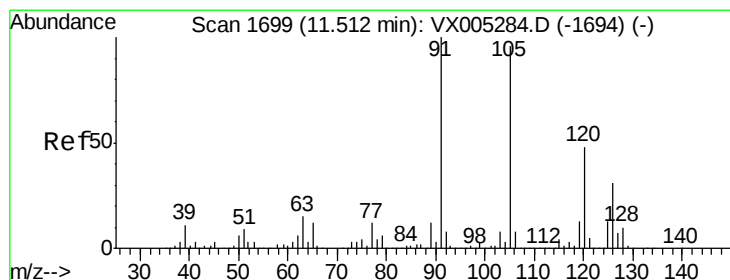
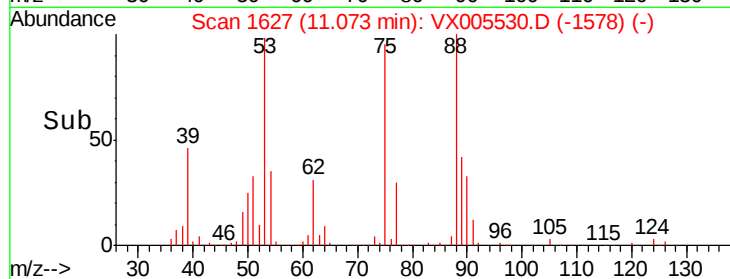
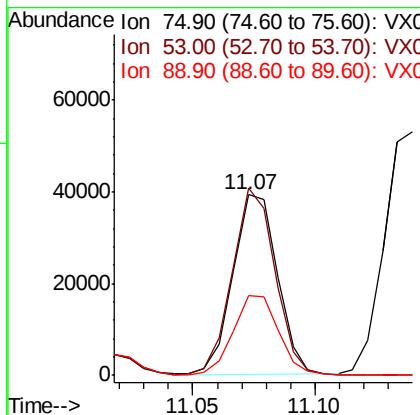
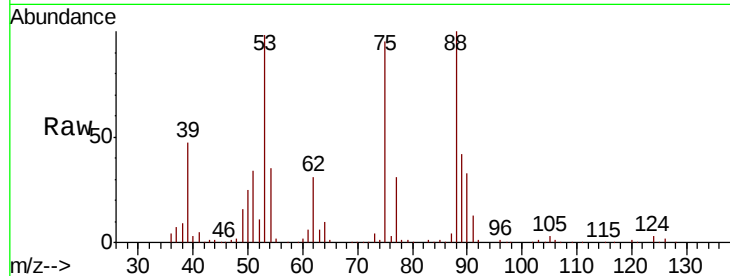
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	49750
Ion	Ratio	Lower	Upper
75	100		
53	100.2	80.1	120.1
89	45.6	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.170 ug/l

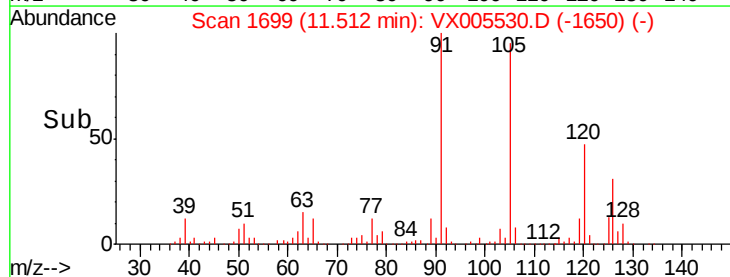
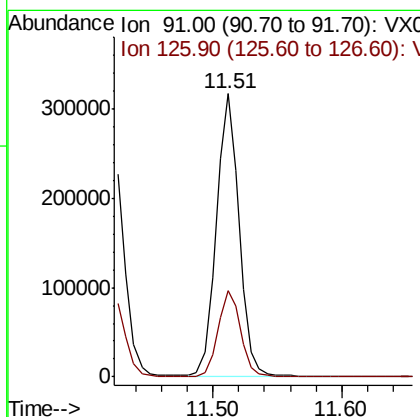
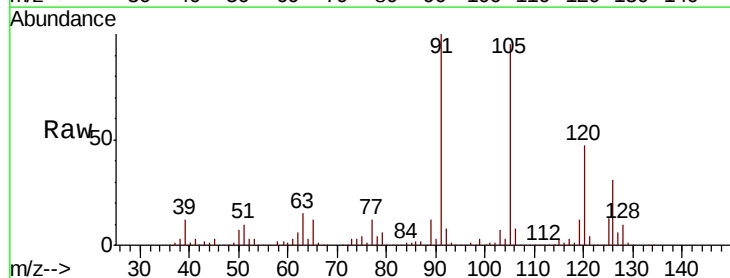
RT: 11.51 min Scan# 1699

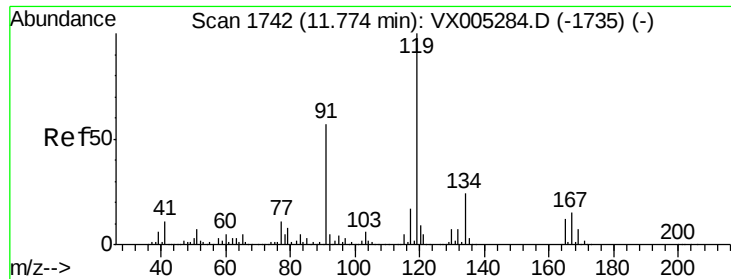
Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Tgt Ion:	91	Resp:	393779
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.5	46.5





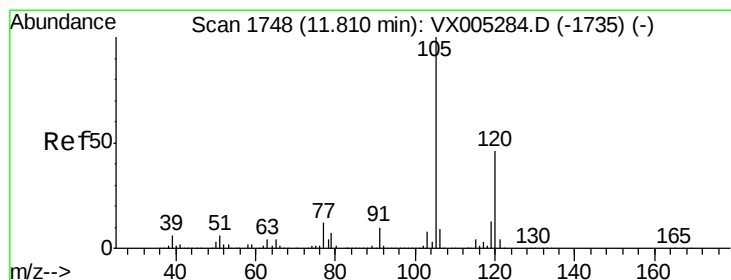
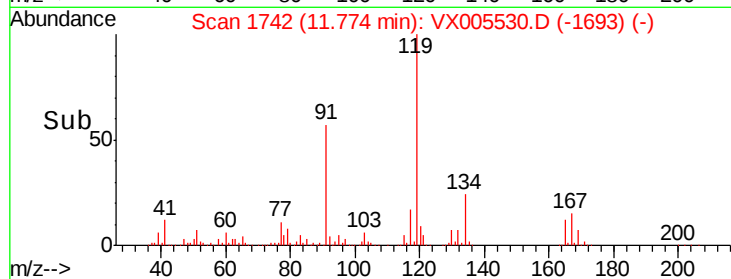
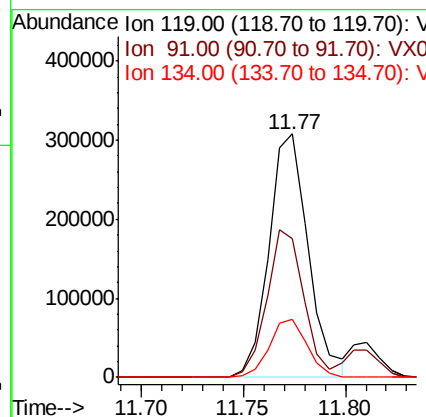
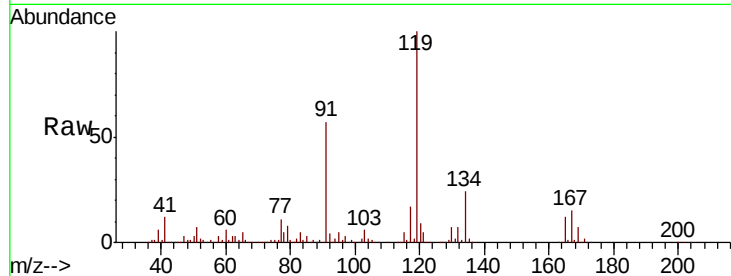
#83
tert-Butylbenzene
Concen: 52.774 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.9	27.0	81.0
134	23.0	11.7	35.1

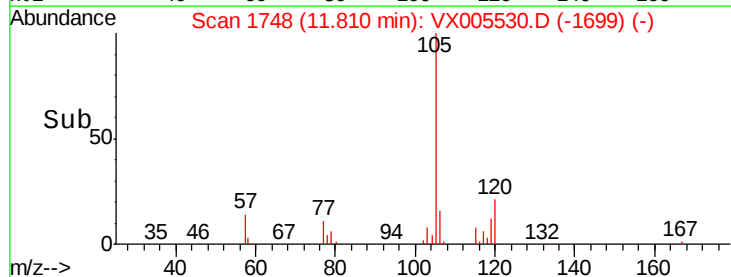
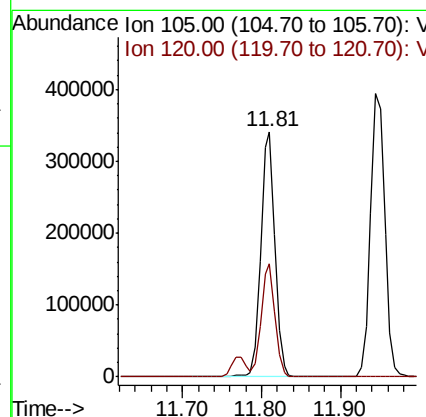
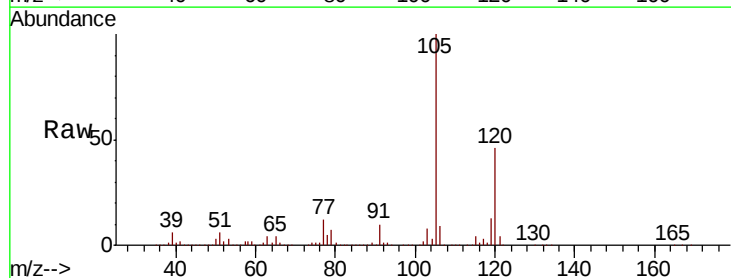
Manual Integrations
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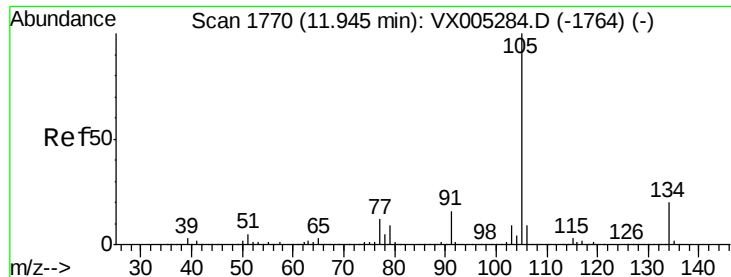
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.372 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.2	69.6





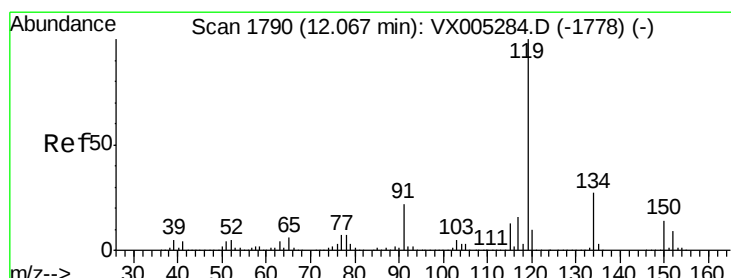
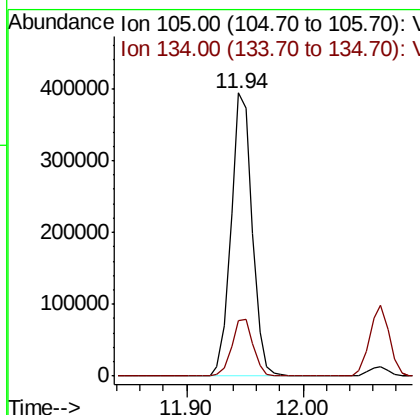
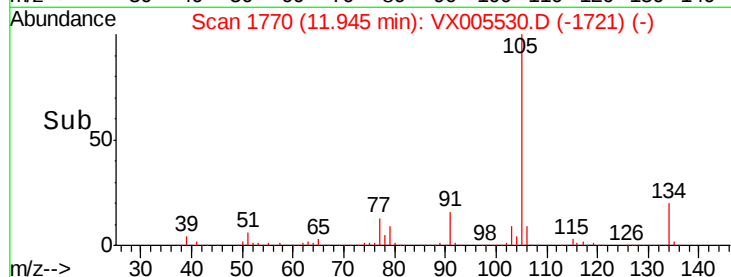
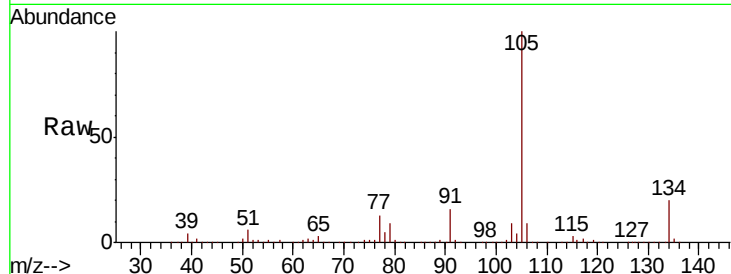
#85
 sec-Butylbenzene
 Concen: 53.560 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.5	31.5

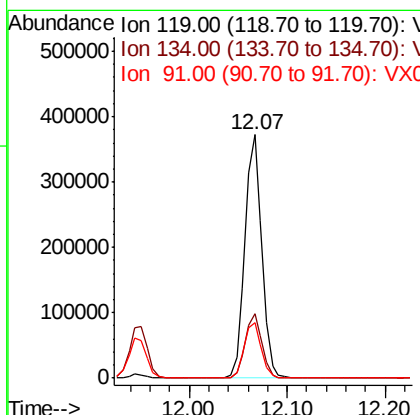
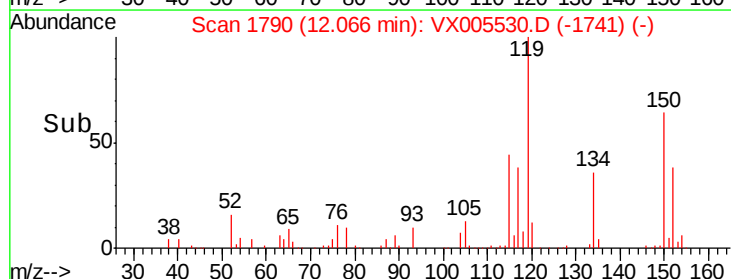
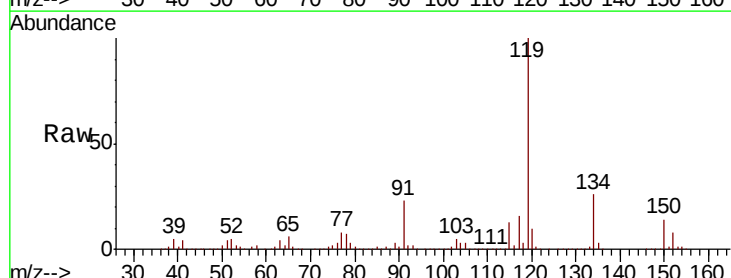
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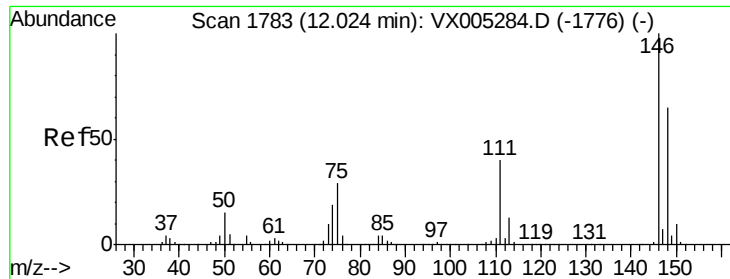
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 10/24/2018 10:02:53 AM



#86
 p-Isopropyltoluene
 Concen: 52.949 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	23.2	10.9	32.7





#87

1,3-Dichlorobenzene

Concen: 49.484 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Instrument :

MSVOA_X

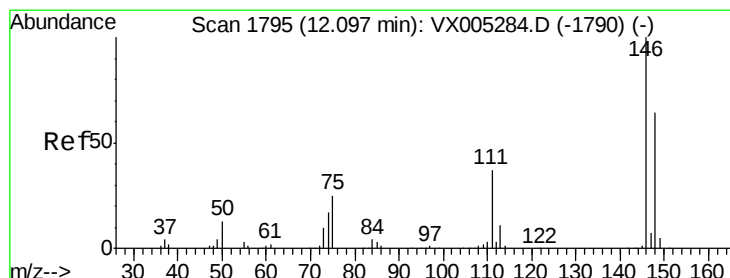
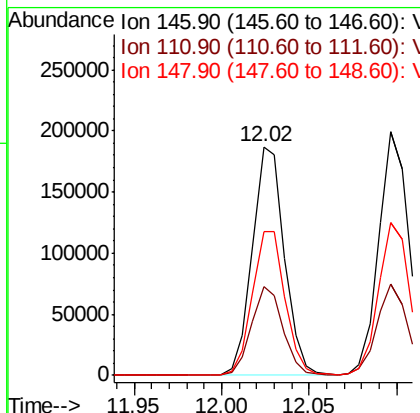
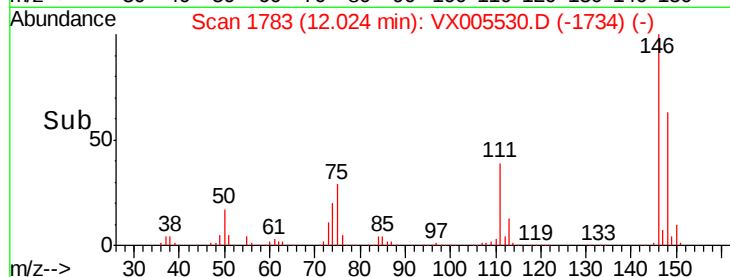
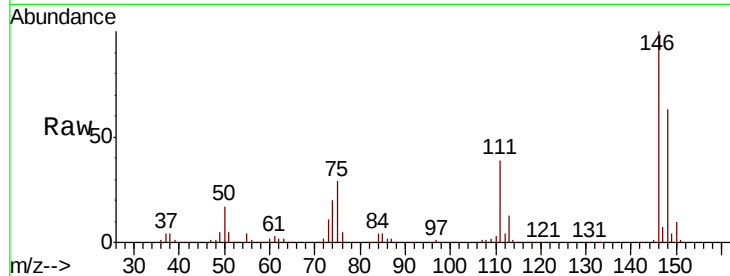
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	238867
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.7	56.1
148	64.2	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.948 ug/l

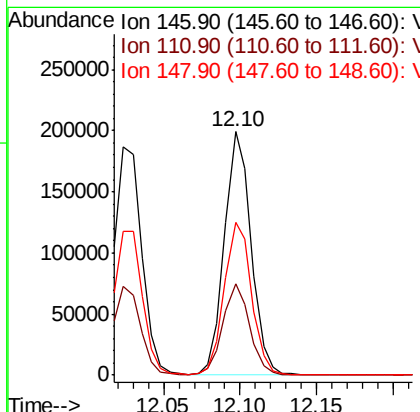
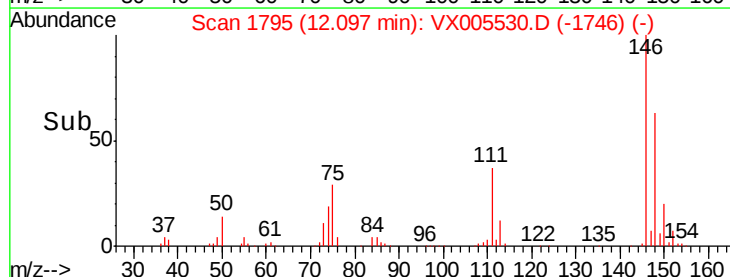
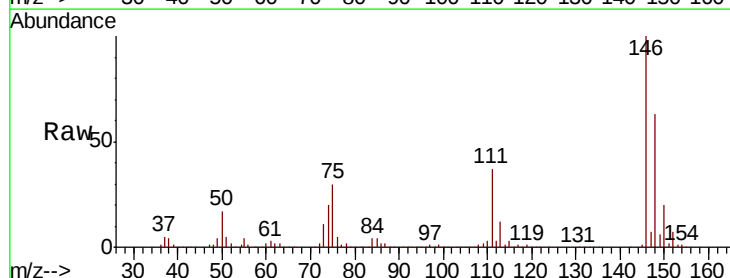
RT: 12.10 min Scan# 1795

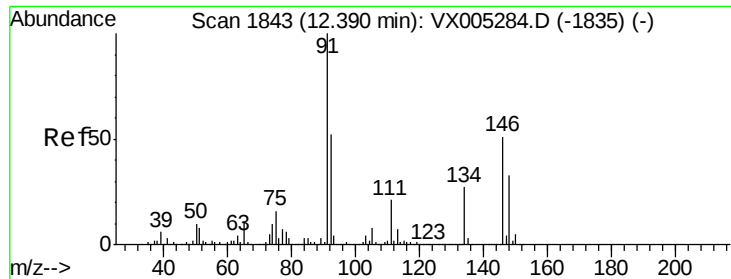
Delta R.T. -0.00 min

Lab File: VX005530.D

Acq: 23 Oct 2018 19:20

Tgt Ion:	146	Resp:	241716
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.1	54.1
148	64.3	32.0	96.0





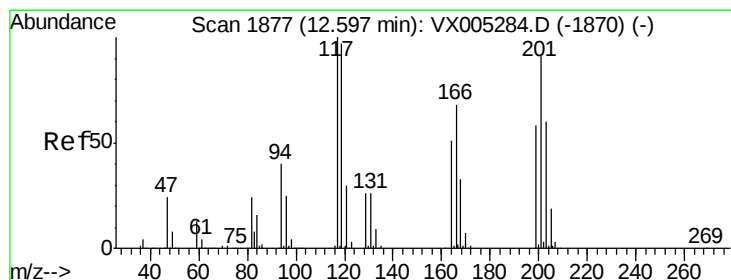
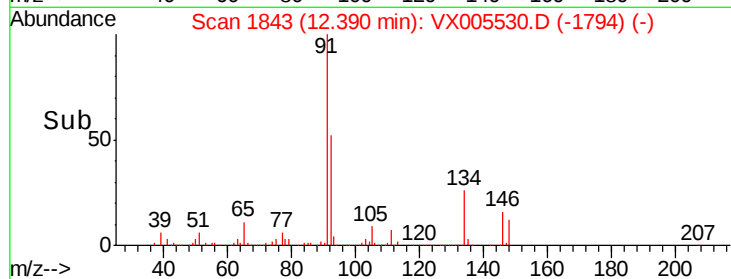
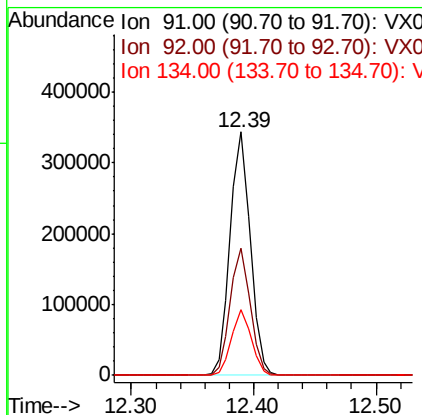
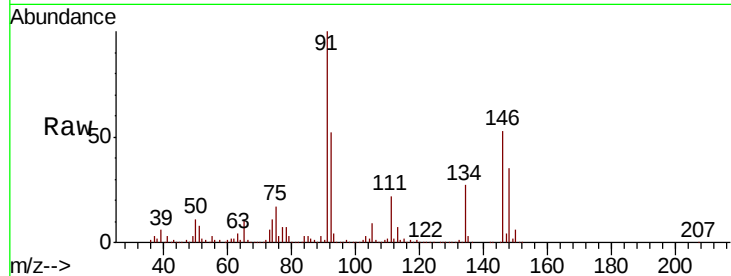
#89
n-Butylbenzene
Concen: 51.605 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		392665		
92	52.1	27.3	81.9		
134	26.4	13.6	40.7		

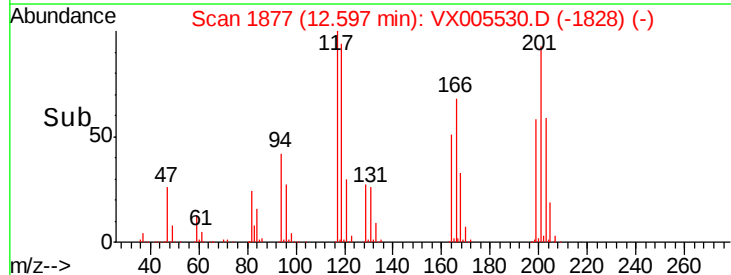
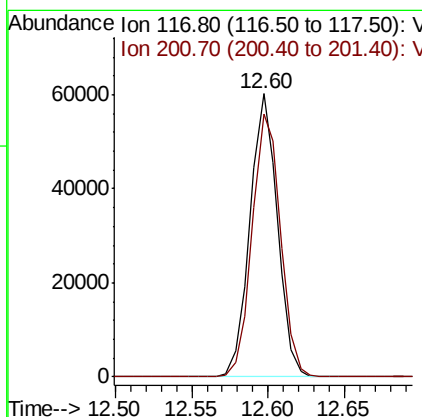
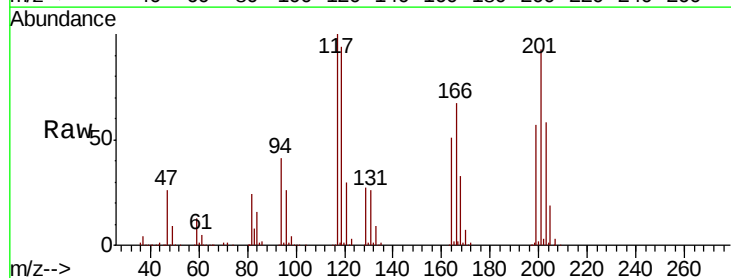
Manual Integrations
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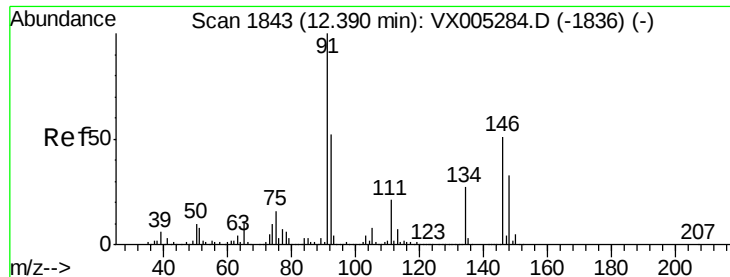
MMDadoda
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#90
Hexachloroethane
Concen: 51.862 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		74903		
201	96.3	46.9	140.6		





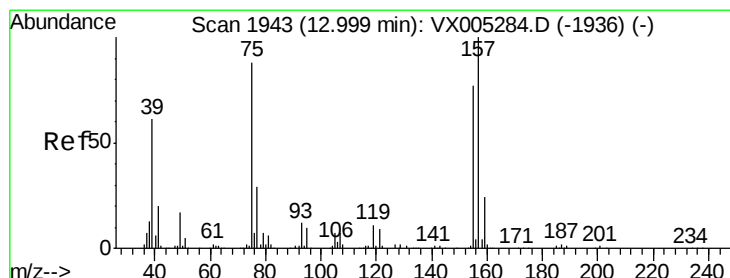
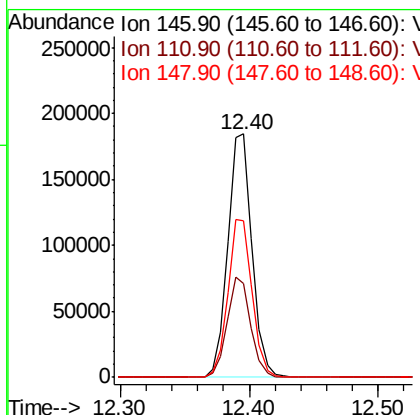
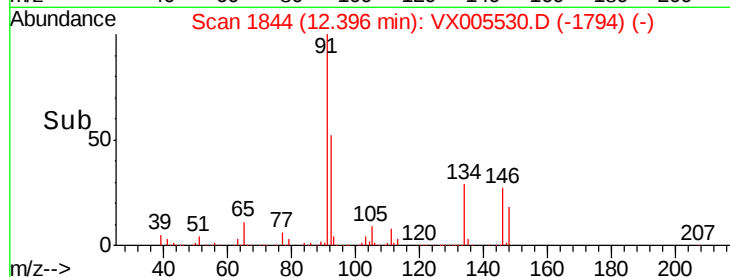
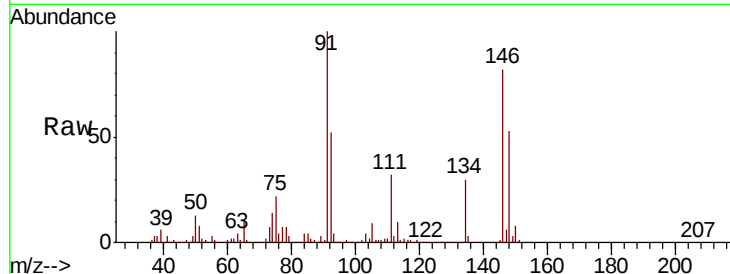
#91
 1,2-Dichlorobenzene
 Concen: 49.320 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.4	58.1
148	64.8	32.8	98.3

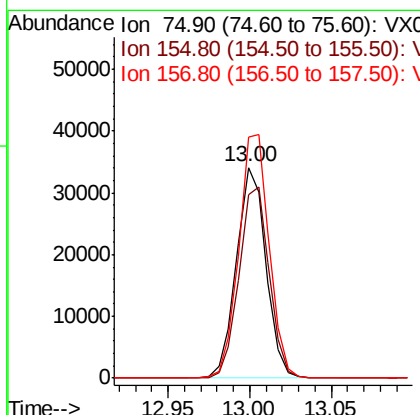
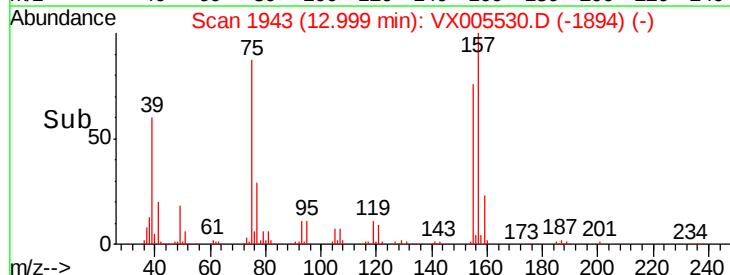
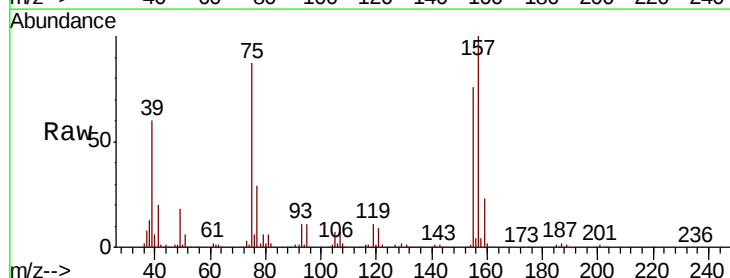
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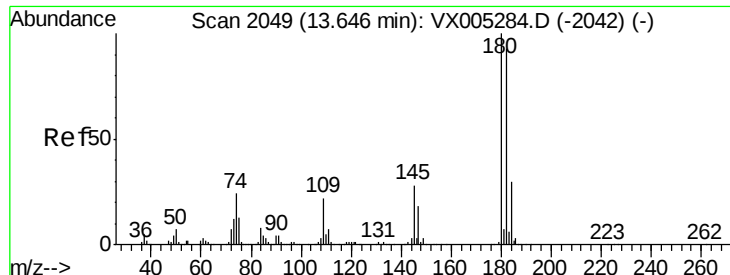
MMDadoda
 10/24/2018 10:02:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.768 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005530.D
 Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.9	48.0	144.2
157	118.4	61.4	184.1





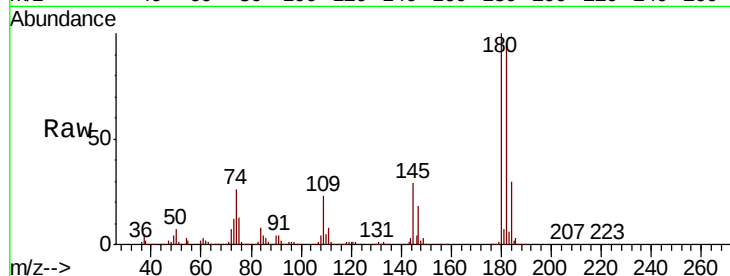
#93
1,2,4-Trichlorobenzene
Concen: 50.758 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	183445		
182	95.9	48.4	145.0	
145	28.2	14.3	42.9	

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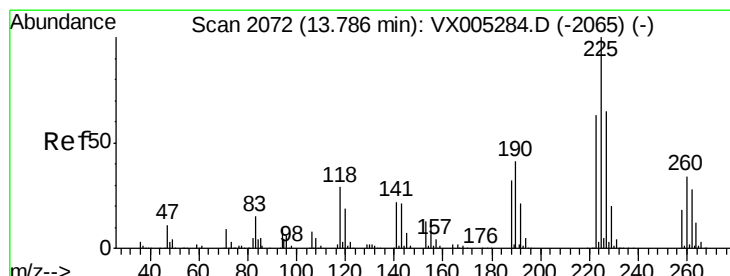
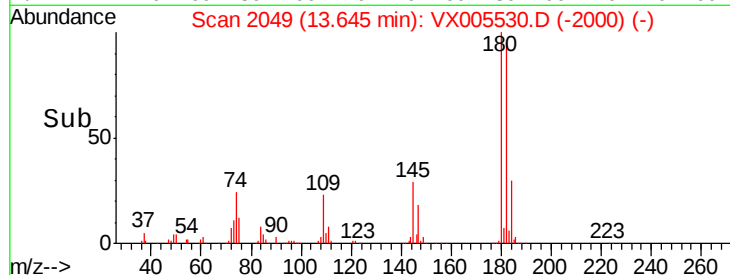
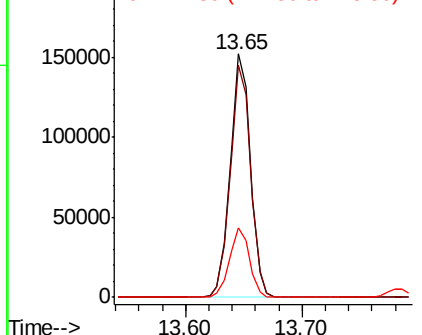


Abundance

Ion 179.80 (179.50 to 180.50): V

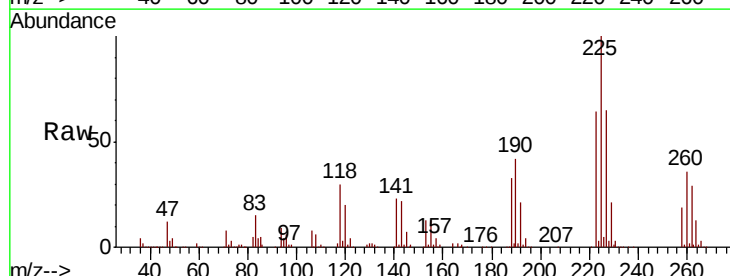
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 46.809 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89348		
223	63.5	30.1	90.5	
227	64.1	30.8	92.4	

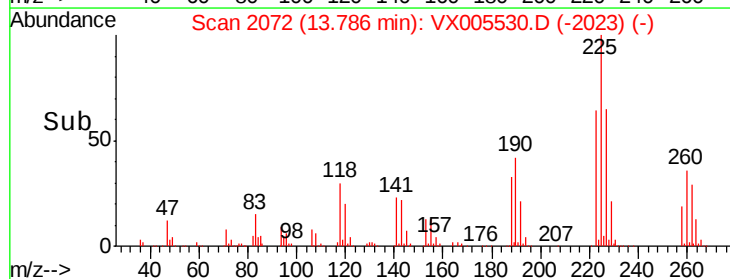
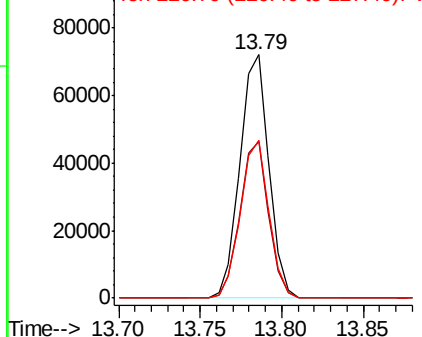


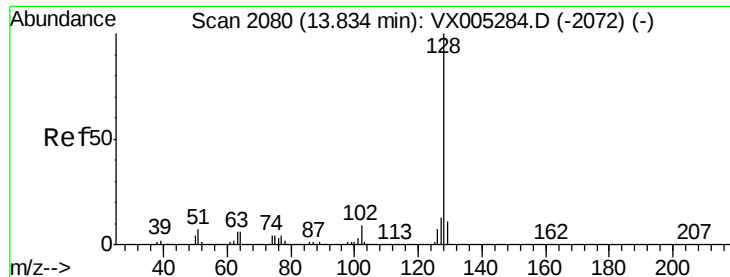
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





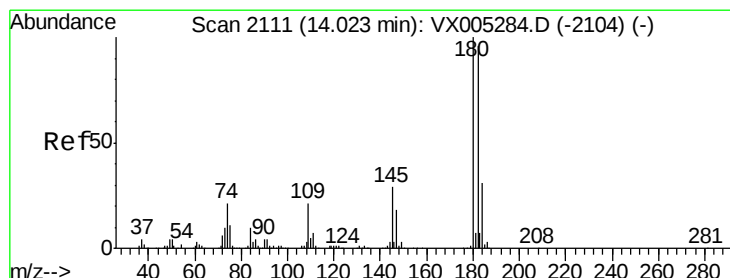
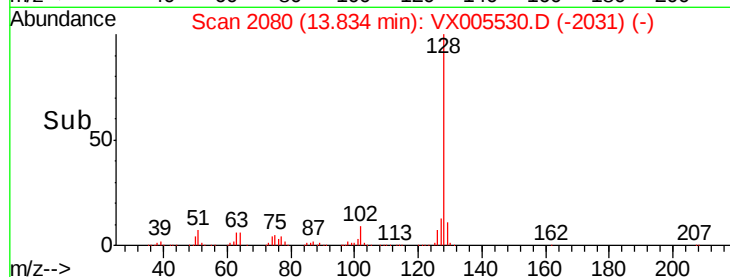
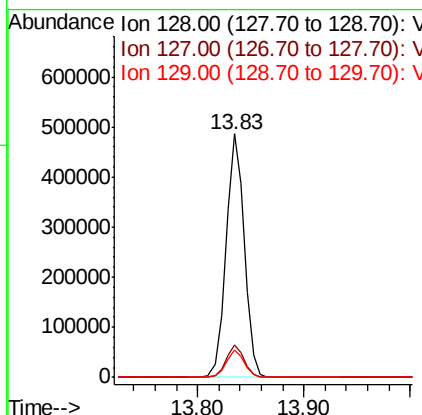
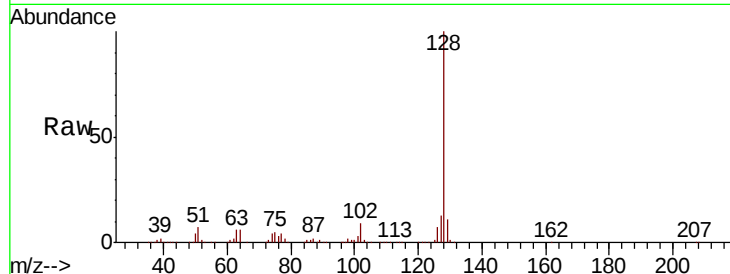
#95
Naphthalene
Concen: 55.321 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 51.551 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005530.D
Acq: 23 Oct 2018 19:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.6
145	29.8	14.9	44.9

