

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
 Data File : VX005515.D
 Acq On : 23 Oct 2018 12:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:02:40 AM

Quant Time: Oct 24 01:29:29 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	213304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	303820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	126637	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
35) Dibromofluoromethane	5.49	113	107893	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	8.72	98	362018	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	11.14	95	138946	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	83013	49.775	ug/l	99
3) Chloromethane	1.32	50	107677	44.557	ug/l	99
4) Vinyl Chloride	1.40	62	108714	44.409	ug/l	99
5) Bromomethane	1.64	94	70609	51.058	ug/l	93
6) Chloroethane	1.71	64	72610	50.239	ug/l	98
7) Trichlorofluoromethane	1.92	101	162402	49.712	ug/l	99
8) Diethyl Ether	2.19	74	65962	47.283	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.38	101	100346	53.219	ug/l	98
10) Methyl Iodide	2.51	142	100556	48.705	ug/l	97
11) Tert butyl alcohol	3.07	59	160660	240.584	ug/l	99
12) 1,1-Dichloroethene	2.37	96	88767	47.515	ug/l	83
13) Acrolein	2.29	56	87861	205.800	ug/l	96
14) Allyl chloride	2.73	41	209330	51.036	ug/l	95
15) Acrylonitrile	3.15	53	376992	249.125	ug/l	99
16) Acetone	2.45	43	303923	222.041	ug/l	94
17) Carbon Disulfide	2.57	76	236032	41.707	ug/l	98
18) Methyl Acetate	2.78	43	216064	55.484	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	338167	51.396	ug/l	99
20) Methylene Chloride	2.85	84	107255	53.879	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	100712	48.645	ug/l	94
22) Diisopropyl ether	3.87	45	382298	55.492	ug/l #	96
23) Vinyl Acetate	3.82	43	1594925	264.875	ug/l #	91
24) 1,1-Dichloroethane	3.69	63	202121	51.192	ug/l	95
25) 2-Butanone	4.70	43	515198	257.255	ug/l #	84
26) 2,2-Dichloropropane	4.57	77	165870	56.172	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	115633	51.392	ug/l	95
28) Bromochloromethane	5.02	49	101233	56.243	ug/l	90
29) Tetrahydrofuran	5.15	42	352211	275.714	ug/l	90
30) Chloroform	5.21	83	198439	54.148	ug/l	97
31) Cyclohexane	5.57	56	169628	52.126	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	165276	51.830	ug/l	98
36) 1,1-Dichloropropene	5.79	75	144436	49.087	ug/l	99
37) Ethyl Acetate	4.85	43	196646	51.966	ug/l	96
38) Carbon Tetrachloride	5.78	117	148899	50.362	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	151417	47.546	ug/l	95
40) Benzene	6.14	78	413792	46.879	ug/l	100
41) Methacrylonitrile	5.06	41	106072	52.286	ug/l	94
42) 1,2-Dichloroethane	6.20	62	157785	50.625	ug/l	96
43) Isopropyl Acetate	6.46	43	286862	56.908	ug/l	95
44) Trichloroethene	7.21	130	107500	47.668	ug/l	100
45) 1,2-Dichloropropane	7.52	63	111448	51.472	ug/l	94
46) Dibromomethane	7.66	93	68803	48.146	ug/l	97
47) Bromodichloromethane	7.90	83	137792	52.128	ug/l	98
48) Methyl methacrylate	7.77	41	136359	52.157	ug/l	95
49) 1,4-Dioxane	7.76	88	51916	860.952	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	932353	267.126	ug/l	93
52) Toluene	8.79	92	243837	50.494	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	154339	53.952	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	165169	53.287	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	104976	51.323	ug/l	98
56) Ethyl methacrylate	9.18	69	163374	54.791	ug/l	93
57) 1,3-Dichloropropane	9.37	76	174921	51.238	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	463225	277.010	ug/l	93
59) 2-Hexanone	9.50	43	733833	261.372	ug/l	92
60) Dibromochloromethane	9.58	129	110709	52.363	ug/l	99
61) 1,2-Dibromoethane	9.68	107	107968	50.298	ug/l	100
64) Tetrachloroethene	9.34	164	109999	51.135	ug/l	99
65) Chlorobenzene	10.14	112	278409	48.983	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	104915	51.797	ug/l	98
67) Ethyl Benzene	10.26	91	481284	52.087	ug/l	98
68) m/p-Xylenes	10.36	106	371197	103.502	ug/l	93
69) o-Xylene	10.70	106	178395	51.577	ug/l	96
70) Styrene	10.71	104	303103	53.278	ug/l	96
71) Bromoform	10.86	173	92367	51.030	ug/l #	99
73) Isopropylbenzene	11.02	105	499589	53.738	ug/l	99
74) N-amyl acetate	10.90	43	242219	54.019	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	172028	49.053	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	159976m	52.737	ug/l	
77) Bromobenzene	11.26	156	131526	49.480	ug/l	98
78) n-propylbenzene	11.36	91	578898	54.112	ug/l	99
79) 2-Chlorotoluene	11.42	91	341502	52.123	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	428578	53.834	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	51711	51.797	ug/l #	94
82) 4-Chlorotoluene	11.51	91	408141	52.550	ug/l	98
83) tert-Butylbenzene	11.77	119	420764	52.192	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	443153	54.091	ug/l	97
85) sec-Butylbenzene	11.95	105	514746	53.953	ug/l	98
86) p-Isopropyltoluene	12.07	119	465848	54.023	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	246885	49.704	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	252292	49.650	ug/l	99
89) n-Butylbenzene	12.39	91	421172	53.793	ug/l	98
90) Hexachloroethane	12.60	117	75897	51.070	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	251366	49.591	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41857	48.930	ug/l	94

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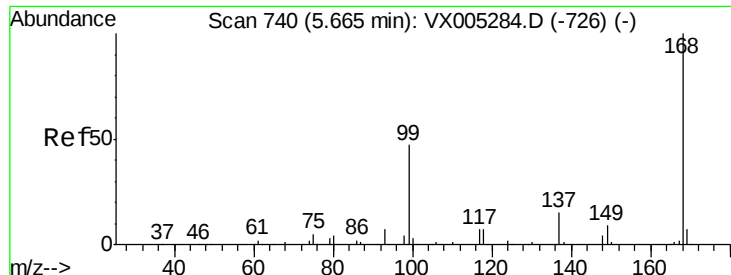
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	193087	51.921	ug/l	98
94) Hexachlorobutadiene	13.79	225	97258	49.518	ug/l	97
95) Naphthalene	13.83	128	584024	54.151	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	194998	51.246	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 213304

Ion Ratio Lower Upper

168 100

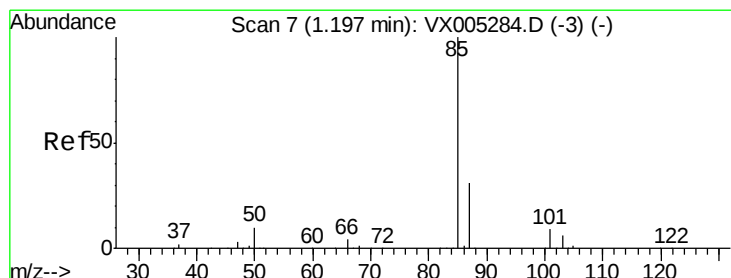
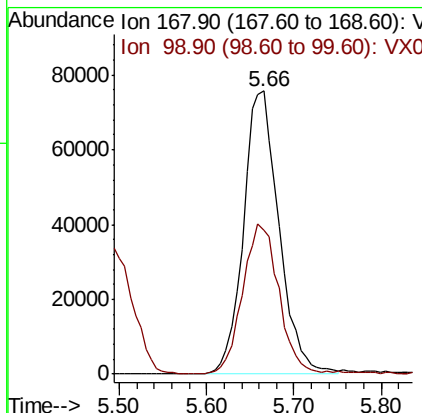
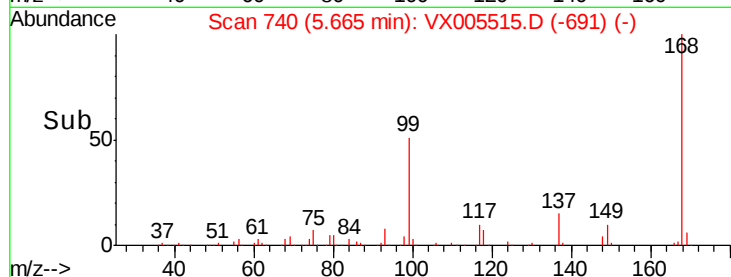
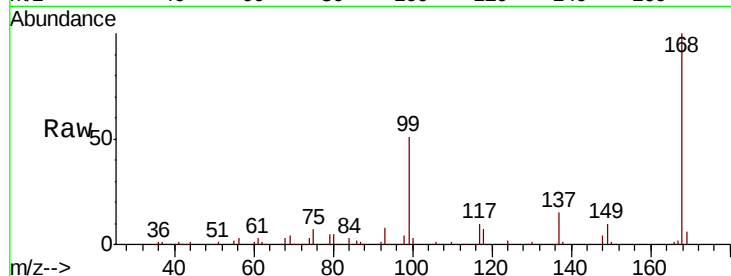
99 50.7 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 49.775 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005515.D

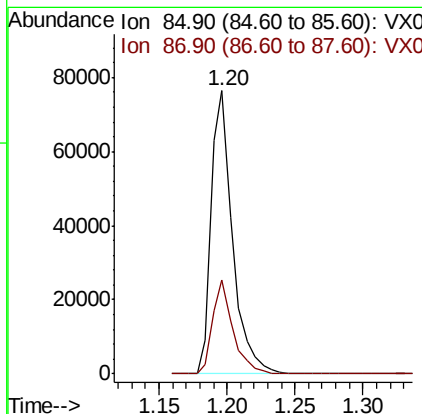
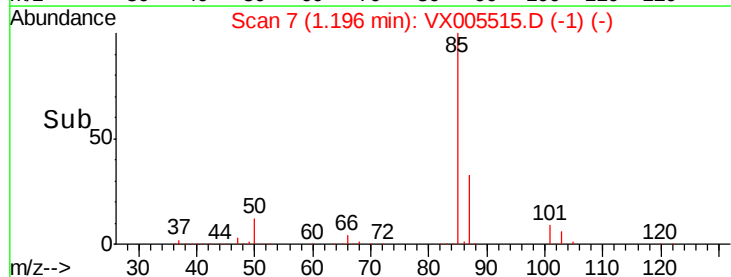
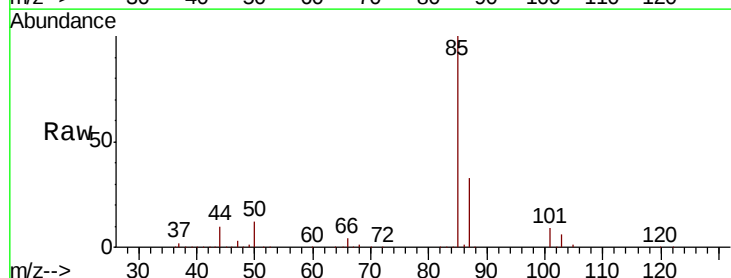
Acq: 23 Oct 2018 12:13

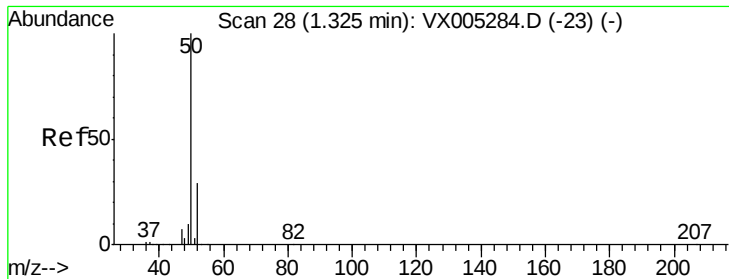
Tgt Ion: 85 Resp: 83013

Ion Ratio Lower Upper

85 100

87 33.4 17.0 50.9





#3

Chloromethane

Concen: 44.557 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107677

Ion Ratio Lower Upper

50 100

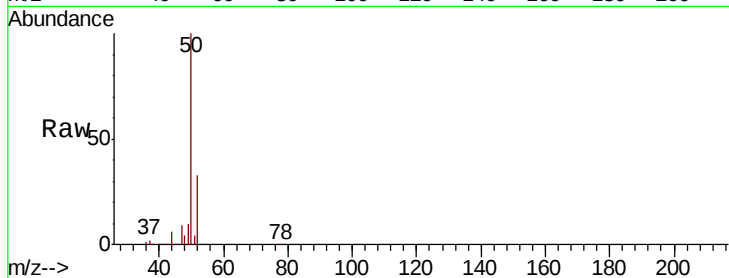
52 33.0 26.2 39.2

Manual Integrations

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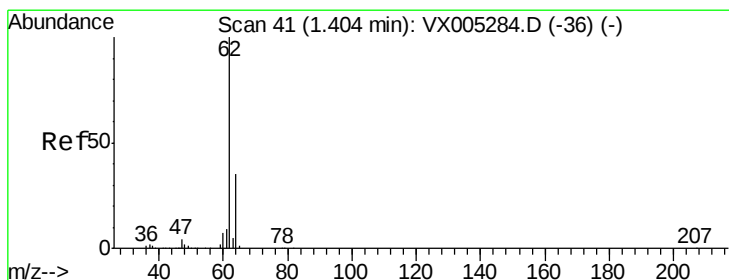
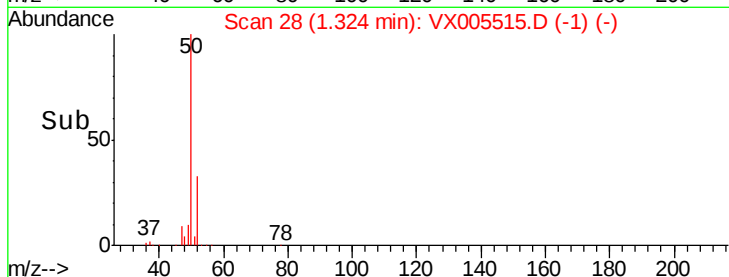
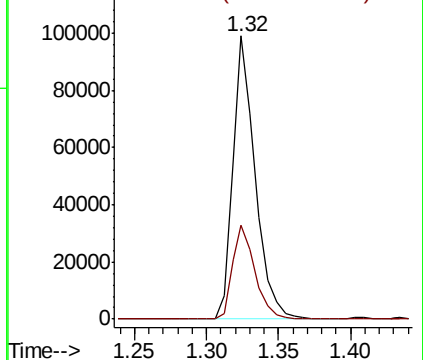
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.409 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005515.D

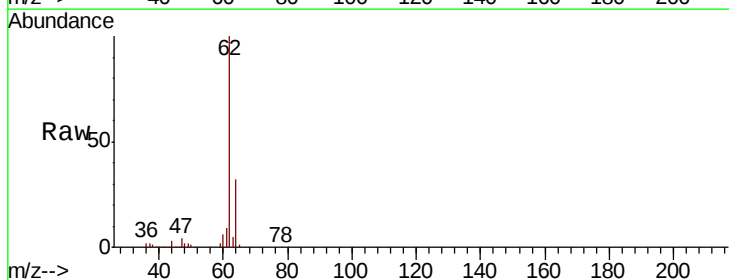
Acq: 23 Oct 2018 12:13

Tgt Ion: 62 Resp: 108714

Ion Ratio Lower Upper

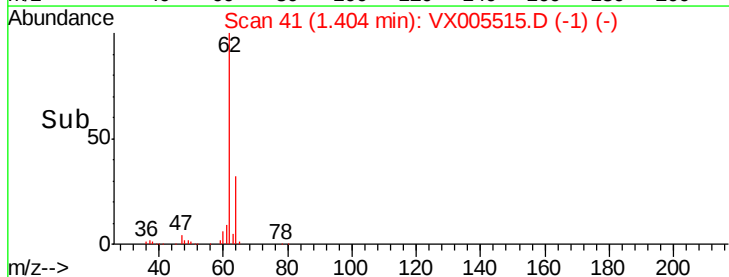
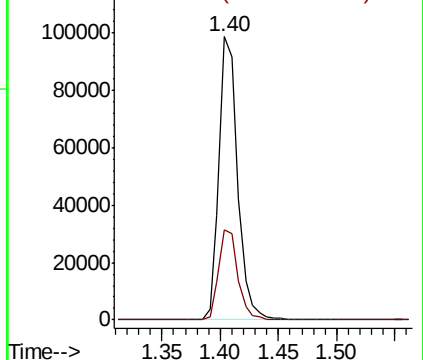
62 100

64 31.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.058 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70609

Ion Ratio Lower Upper

94 100

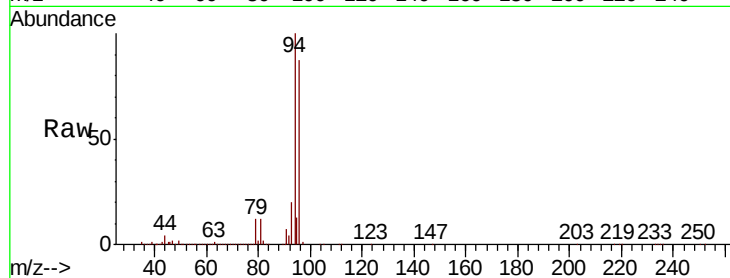
96 86.6 74.5 111.7

Manual Integrations

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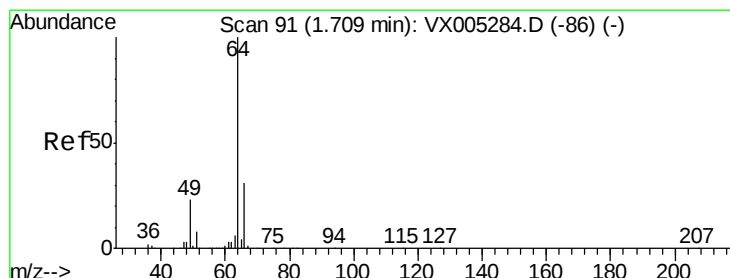
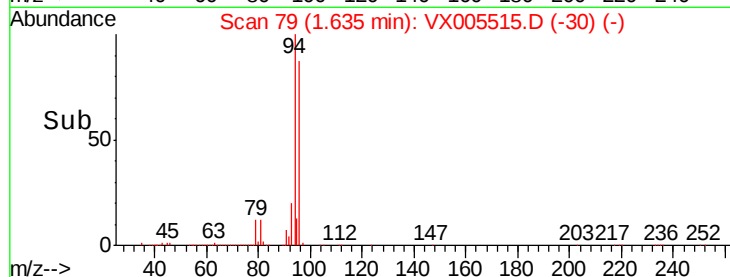
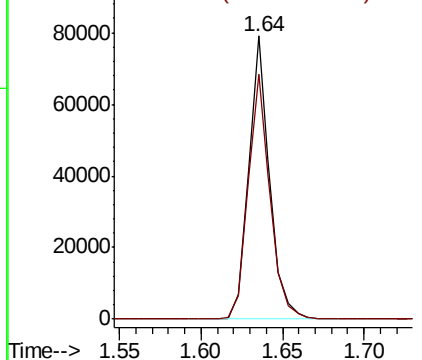
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.239 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005515.D

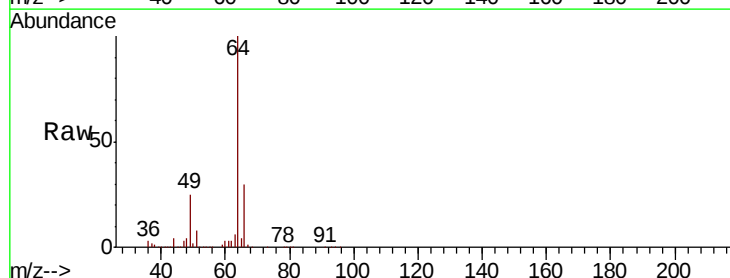
Acq: 23 Oct 2018 12:13

Tgt Ion: 64 Resp: 72610

Ion Ratio Lower Upper

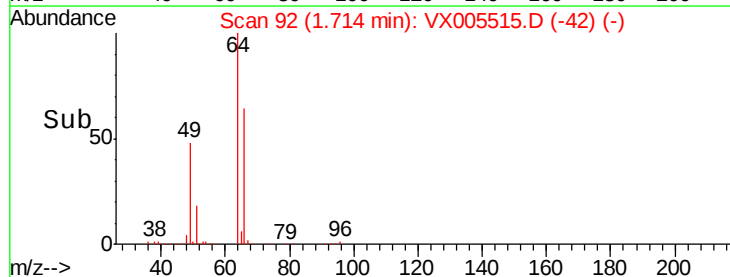
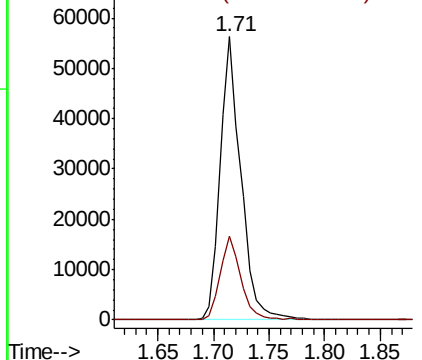
64 100

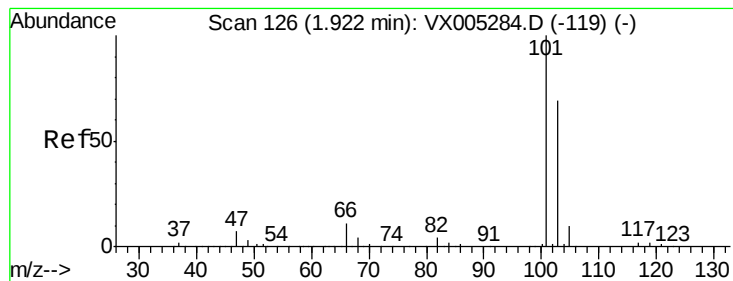
66 29.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





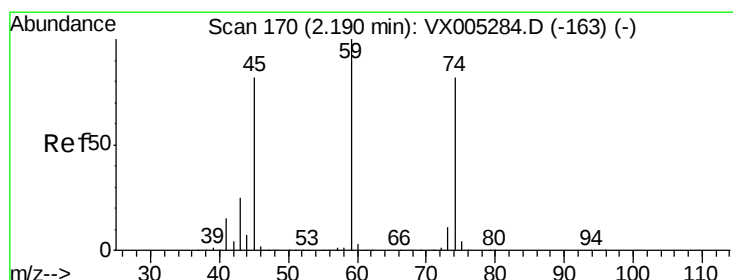
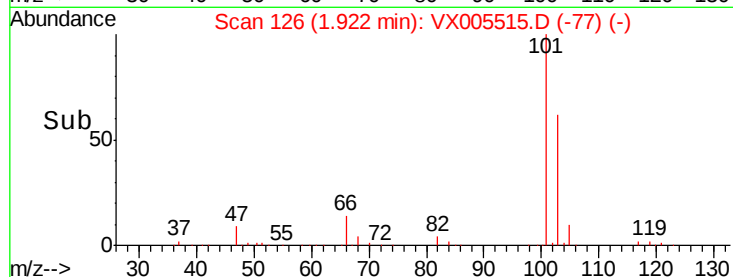
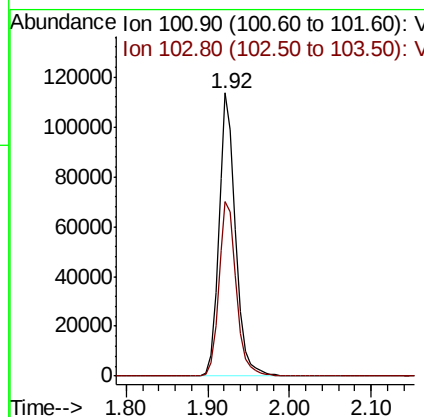
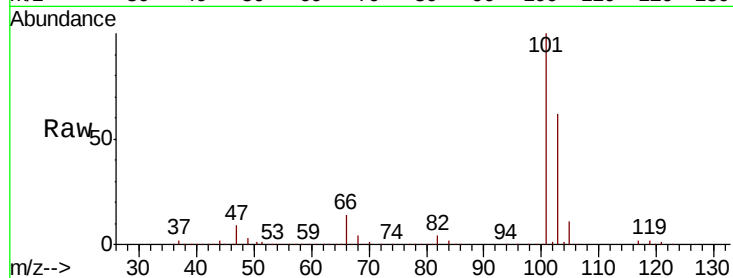
#7
 Trichlorofluoromethane
 Concen: 49.712 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	48.9	73.3

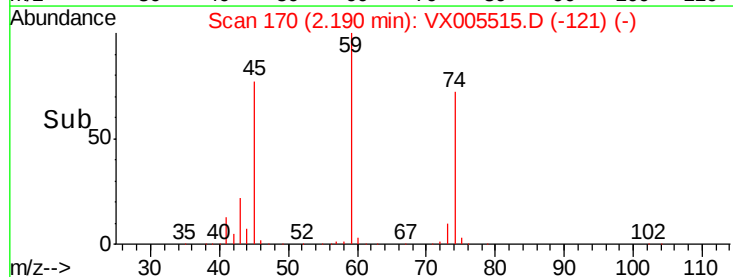
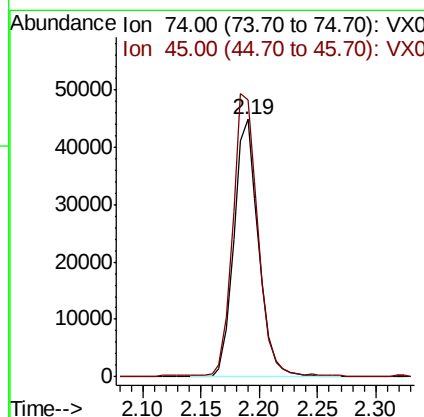
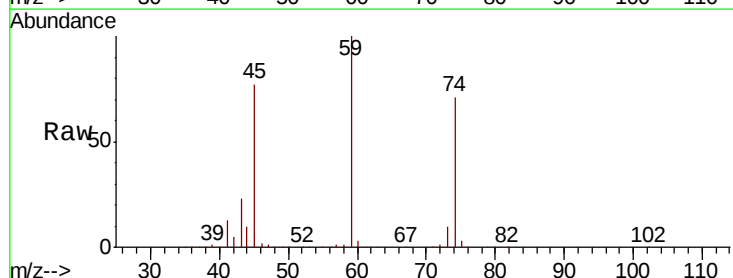
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#8
 Diethyl Ether
 Concen: 47.283 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.4	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.219 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

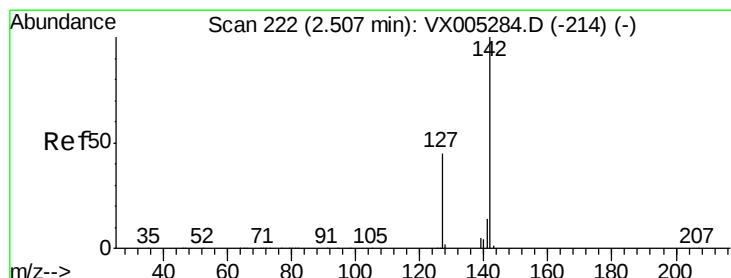
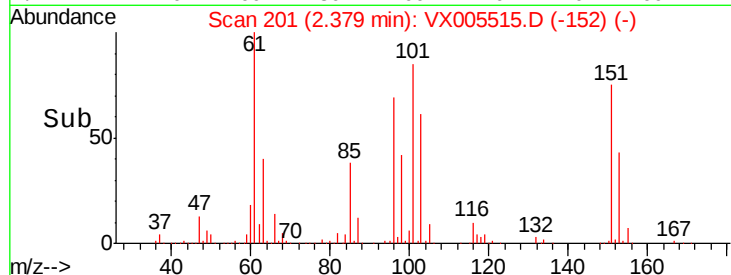
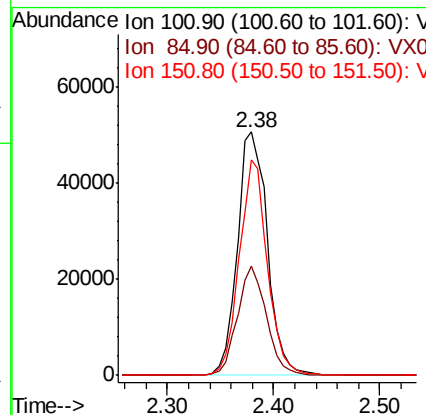
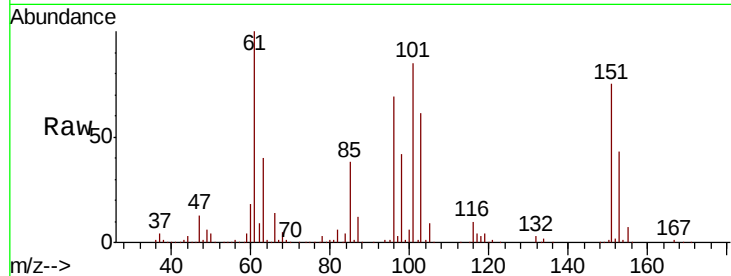
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	100346
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	83.1	65.0	97.6

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10/24/2018 10:02:40 AM



#10

Methyl Iodide

Concen: 48.705 ug/l

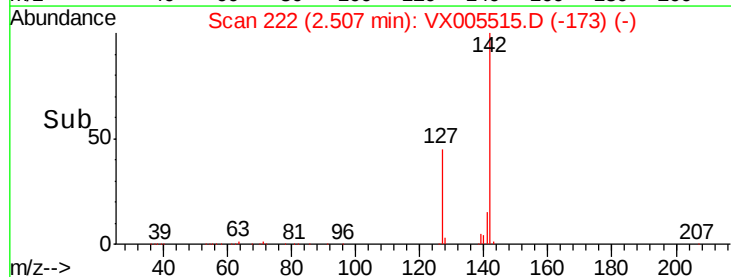
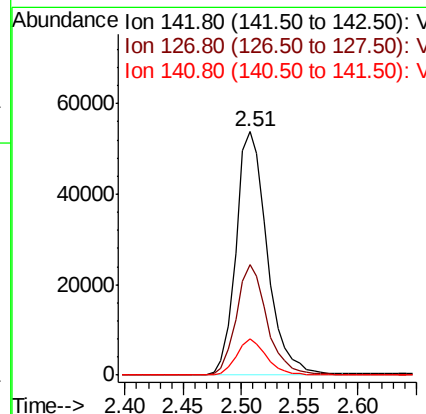
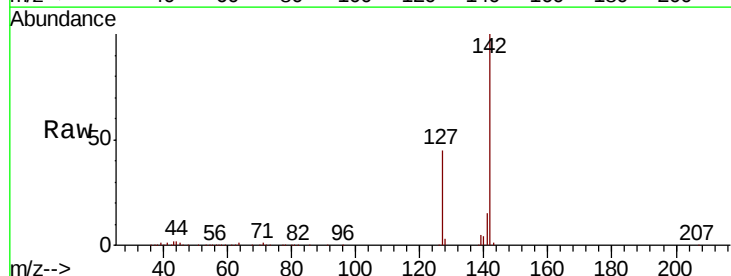
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion:	142	Resp:	100556
Ion Ratio	Lower	Upper	
142	100		
127	44.9	33.8	50.6
141	14.3	11.4	17.0





#11

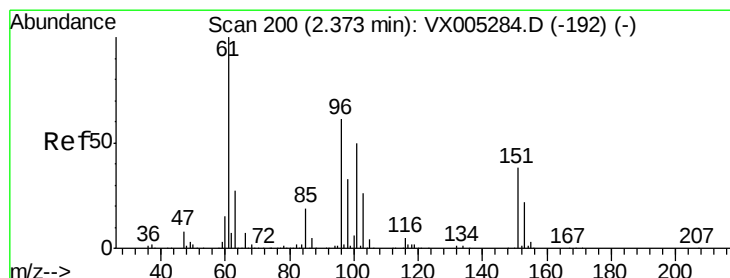
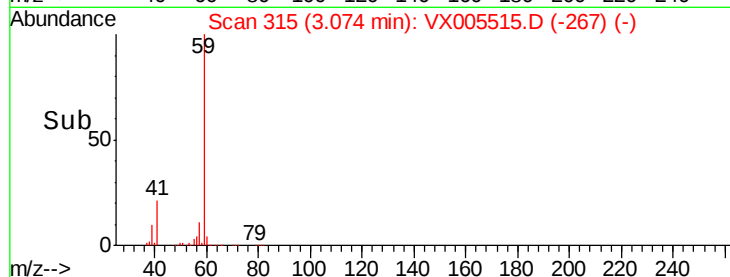
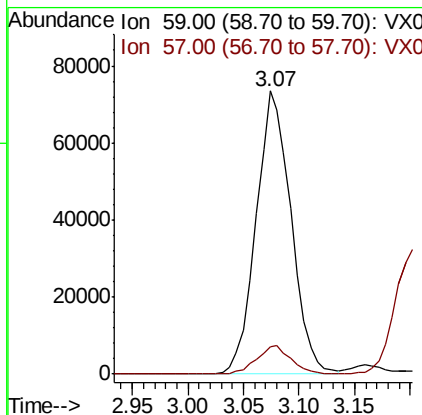
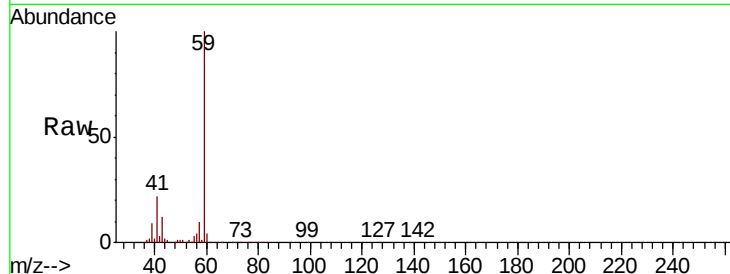
Tert butyl alcohol
Concen: 240.584 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

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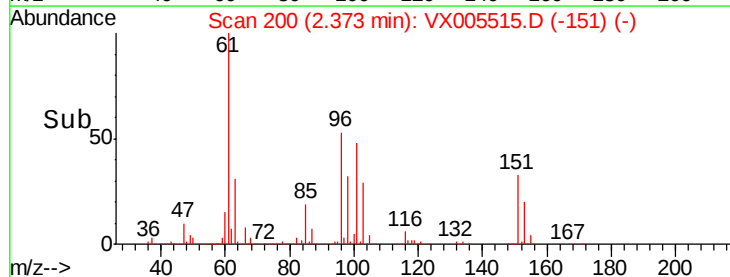
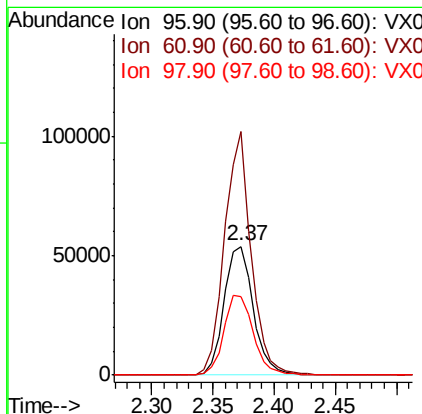
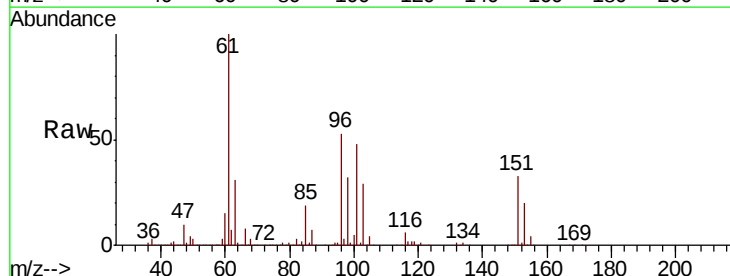
MMDadoda
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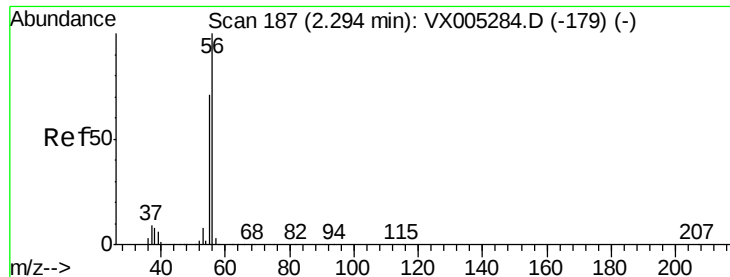


#12

1,1-Dichloroethene
Concen: 47.515 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.0	128.8	193.2
98	61.1	52.2	78.2





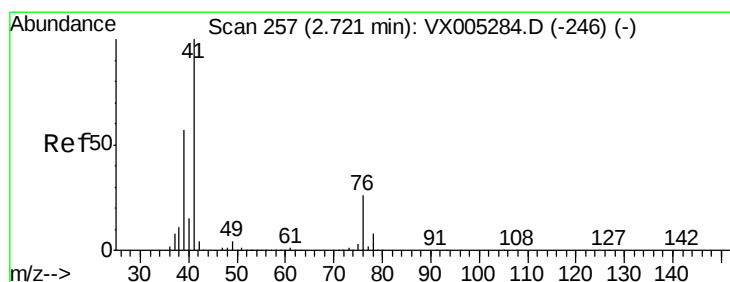
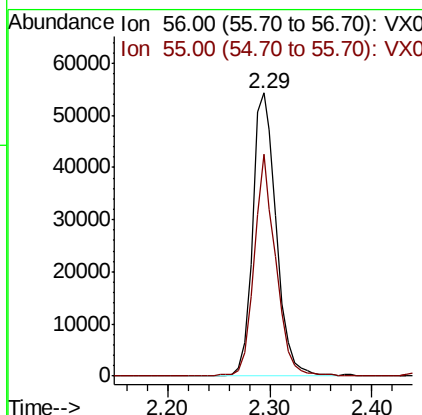
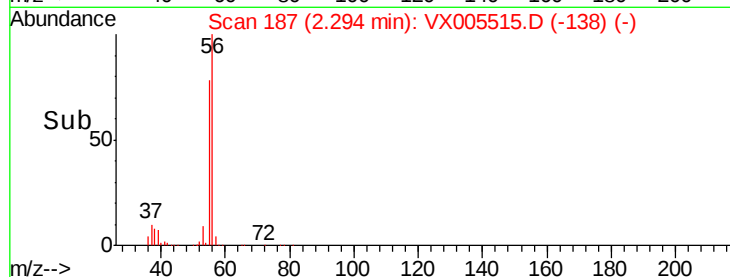
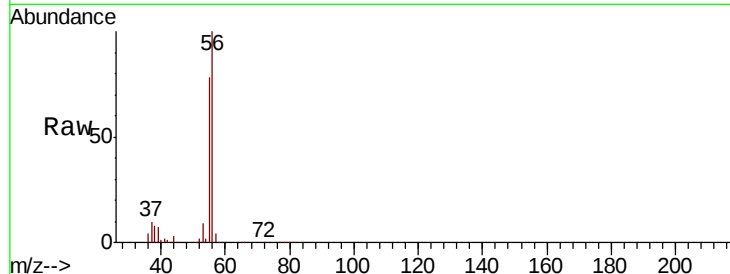
#13
Acrolein
Concen: 205.800 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.5	54.7	82.1

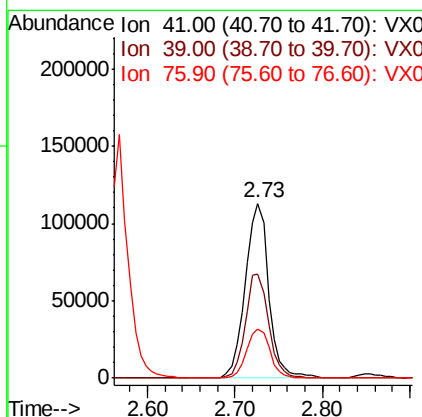
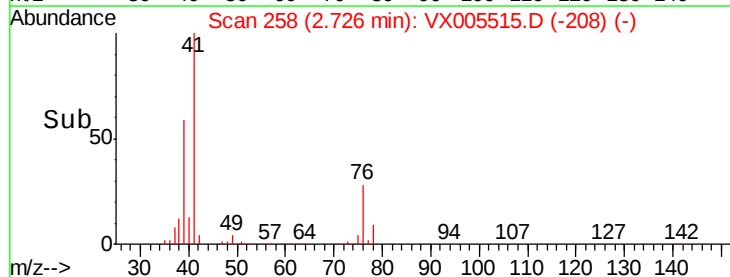
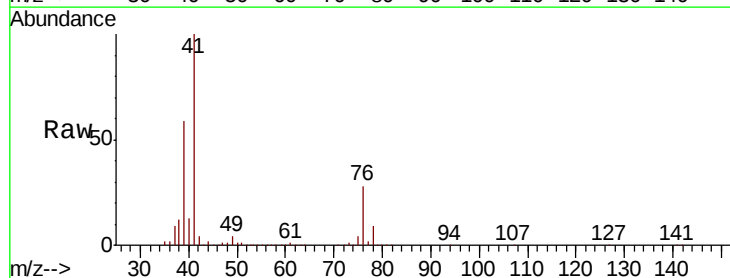
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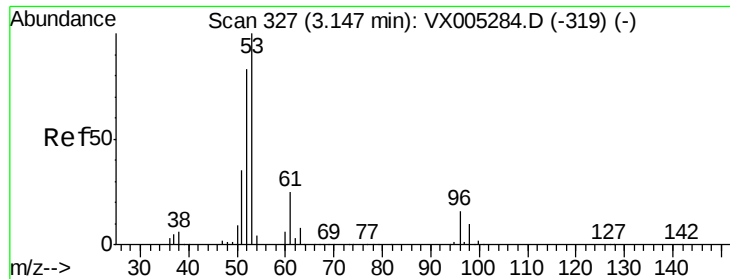
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#14
Allyl chloride
Concen: 51.036 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	58.8	48.9	73.3
76	76	28.1	26.7	40.1





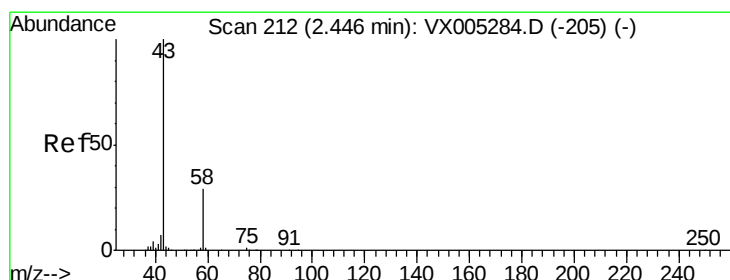
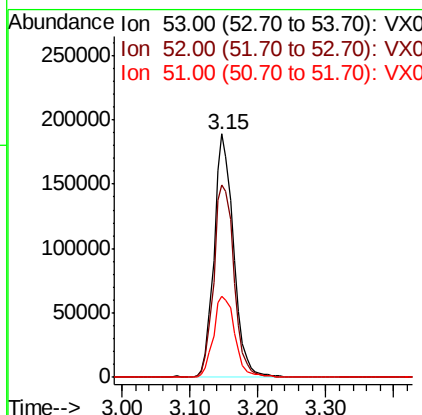
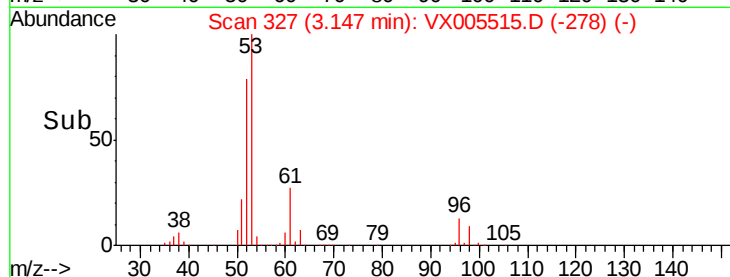
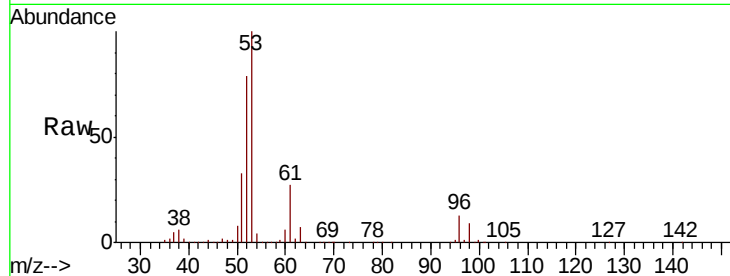
#15
 Acrylonitrile
 Concen: 249.125 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.2	97.8
51	36.3	28.2	42.2

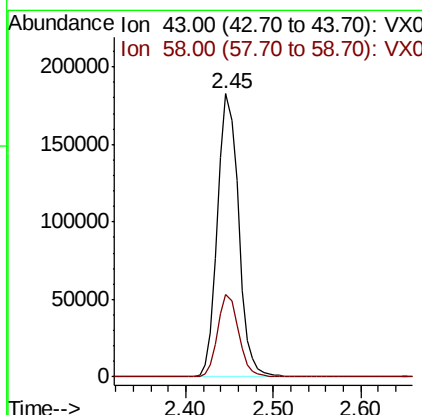
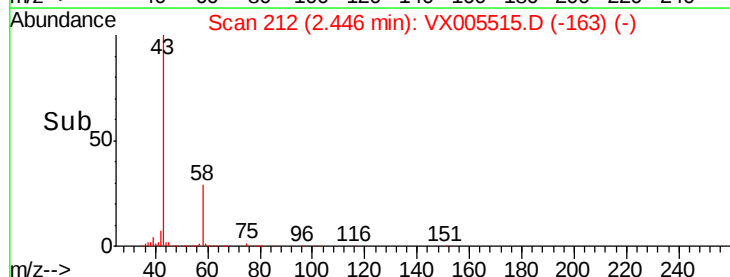
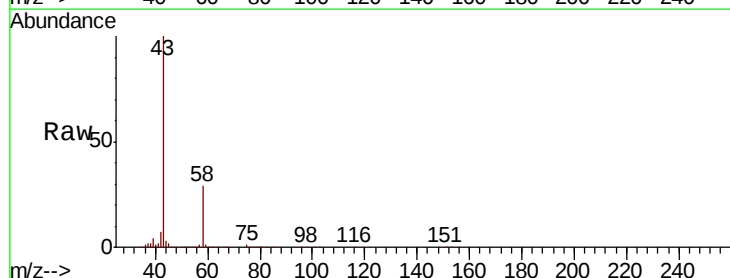
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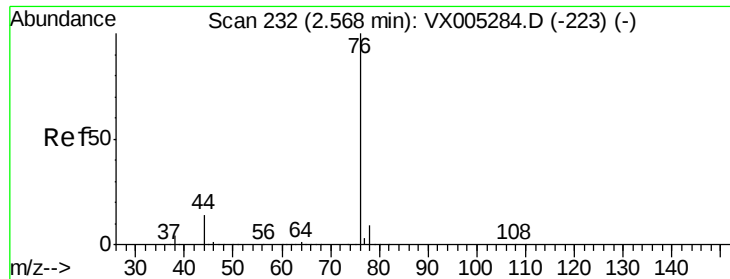
MMDadoda
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#16
 Acetone
 Concen: 222.041 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.3	26.2	39.4





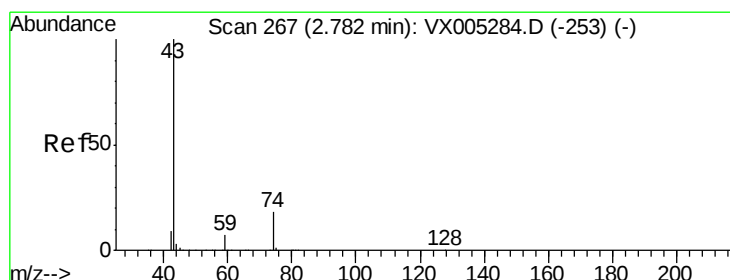
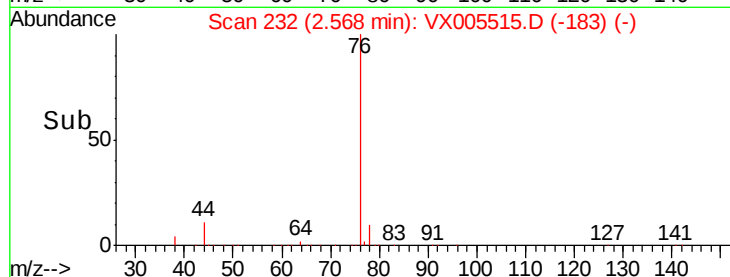
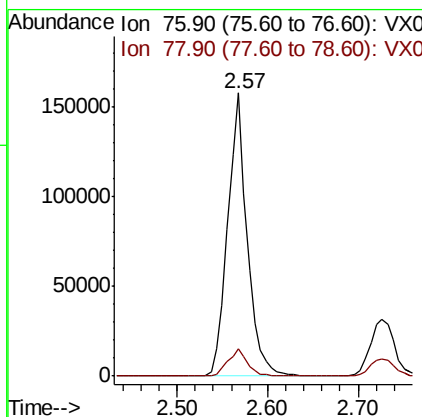
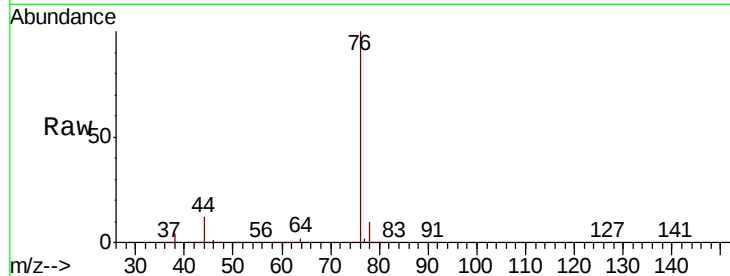
#17
Carbon Disulfide
Concen: 41.707 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

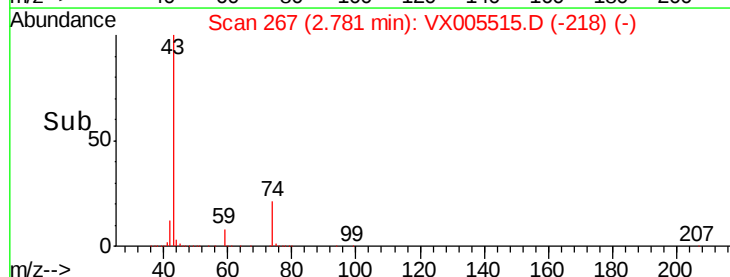
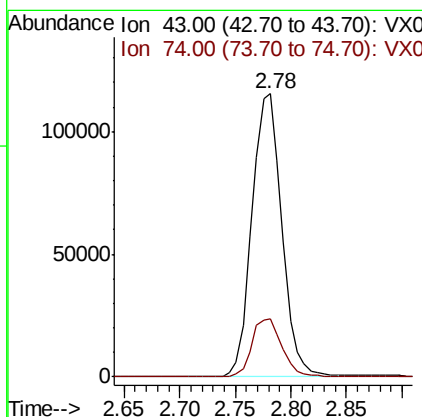
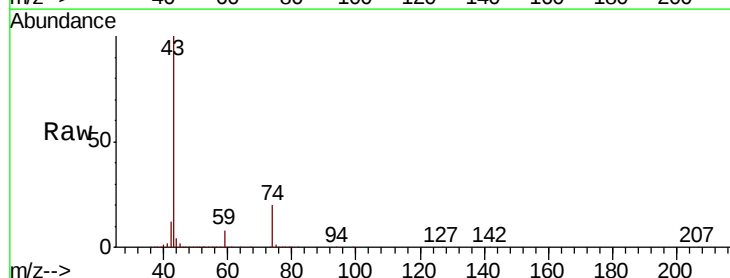
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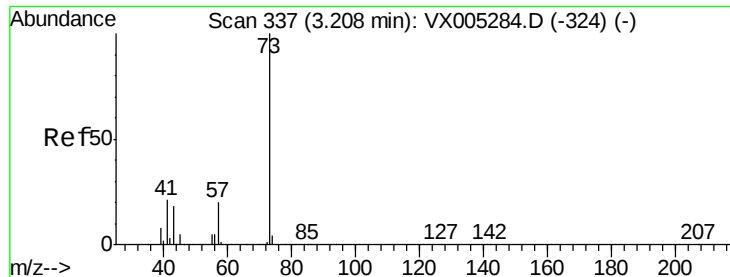
MMDadoda
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#18
Methyl Acetate
Concen: 55.484 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	19.4	29.2





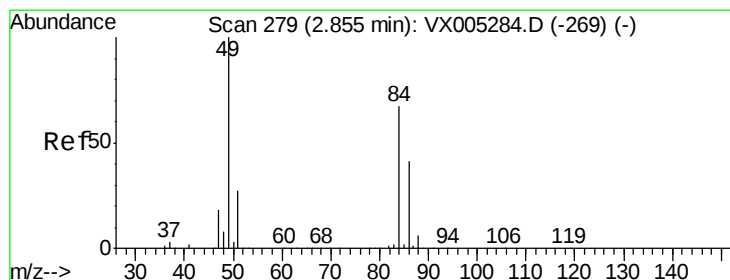
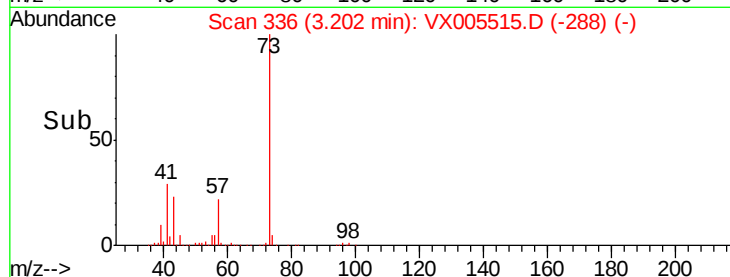
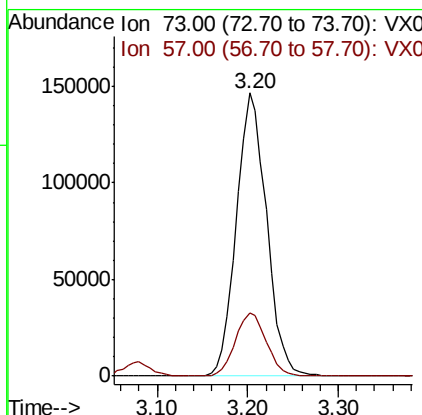
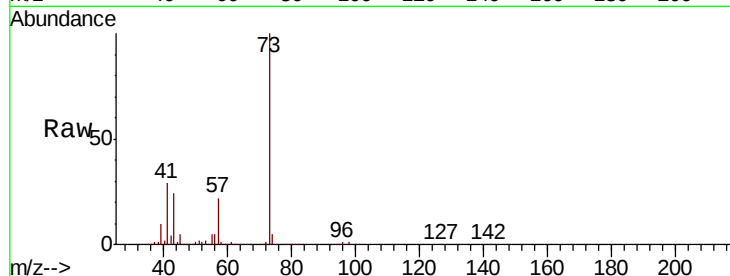
#19
Methyl tert-butyl Ether
Concen: 51.396 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.1	25.7

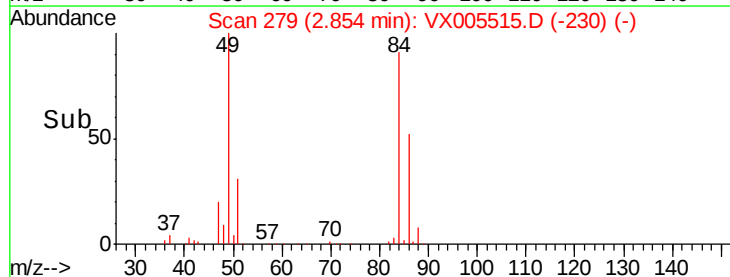
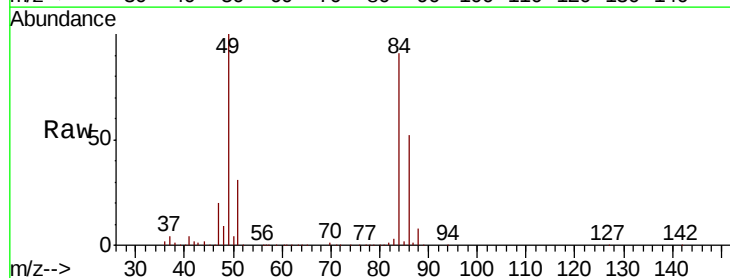
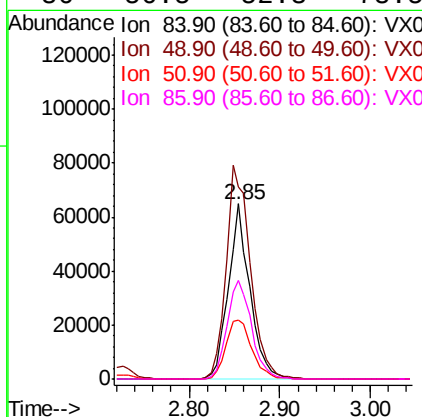
Manual Integrations
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#20
Methylene Chloride
Concen: 53.879 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.5	101.2	151.8
51	33.5	29.5	44.3
86	56.5	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 48.645 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 100712

Ion Ratio Lower Upper

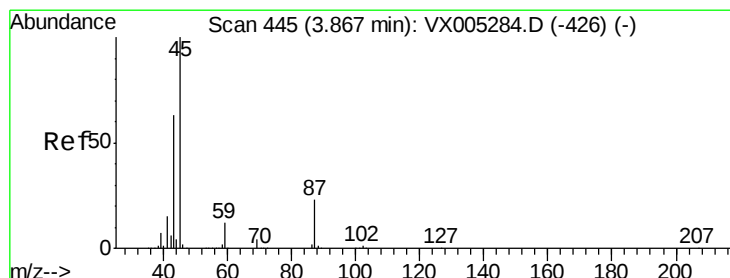
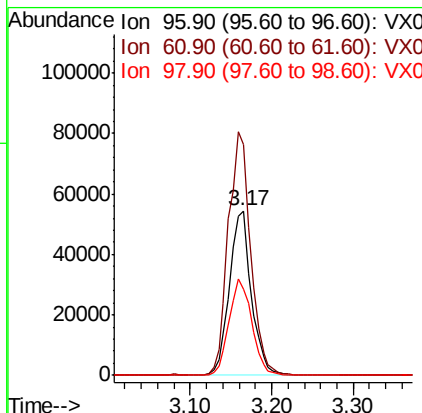
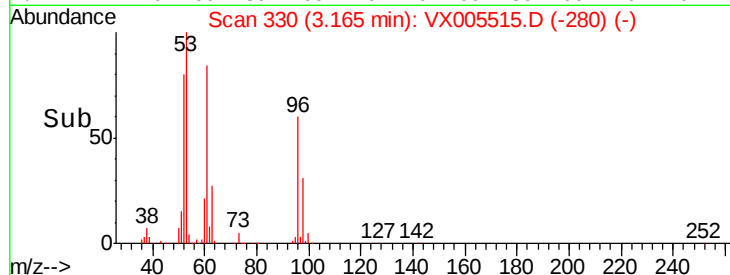
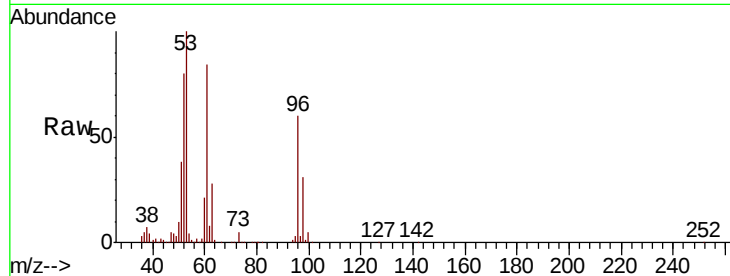
96 100

61 140.2 113.8 170.6

98 52.2 51.8 77.8

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#22

Diisopropyl ether

Concen: 55.492 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion: 45 Resp: 382298

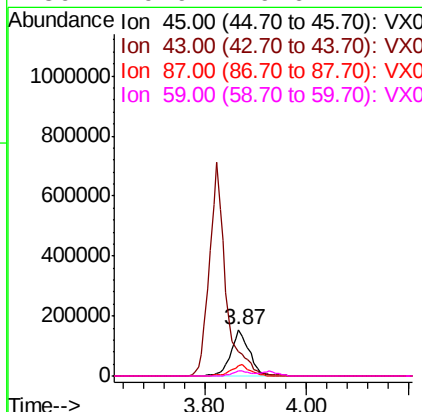
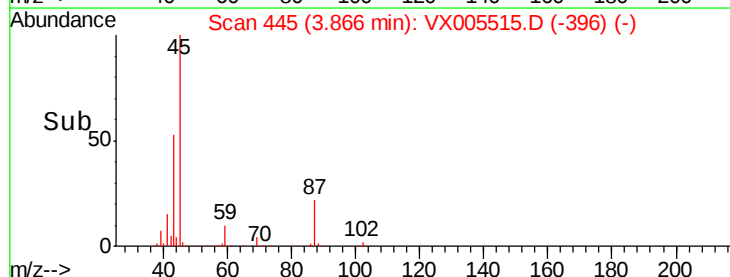
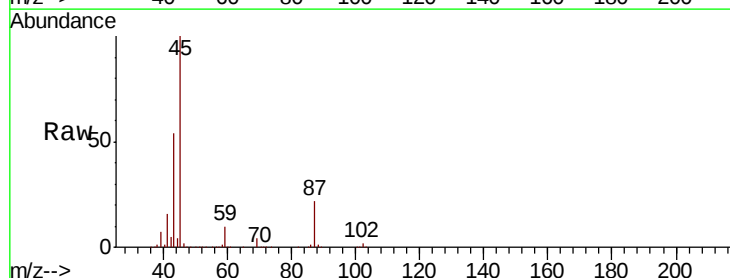
Ion Ratio Lower Upper

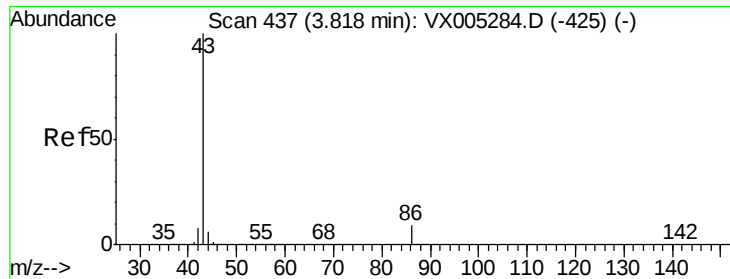
45 100

43 53.4 42.8 64.2

87 22.3 22.6 34.0#

59 9.9 9.6 14.4





#23

Vinyl Acetate

Concen: 264.875 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1594925

Ion Ratio Lower Upper

43 100

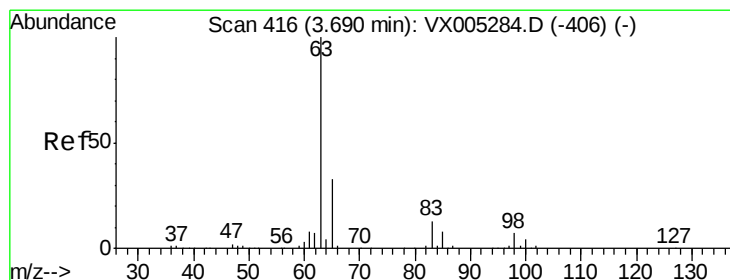
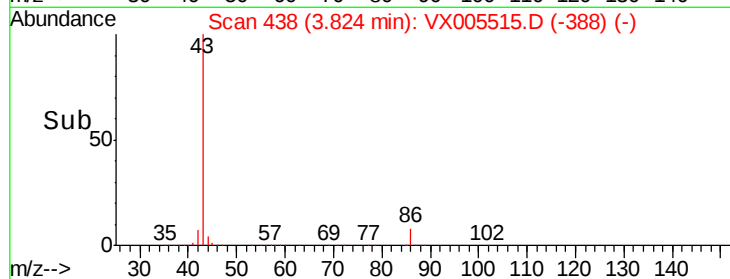
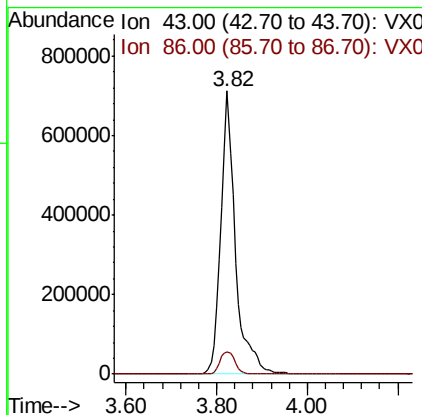
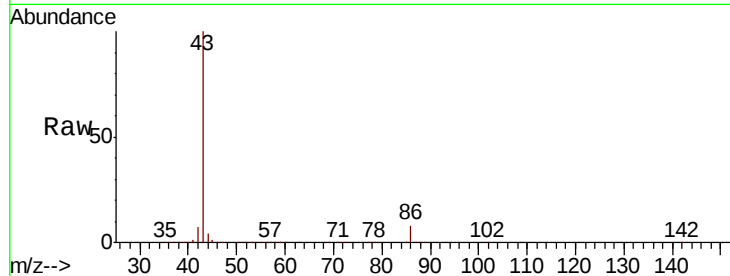
86 7.7 8.9 13.3#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.192 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

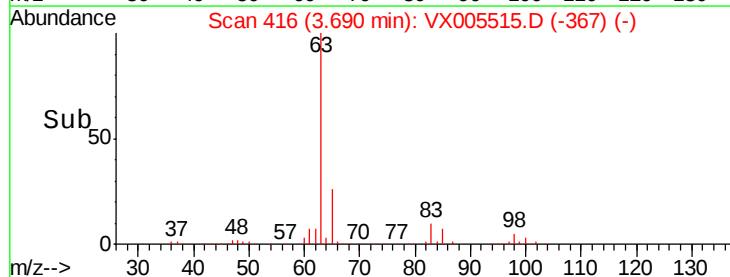
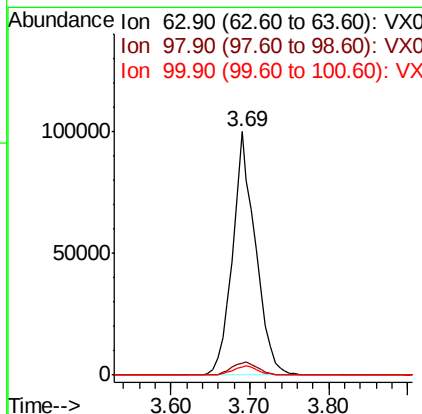
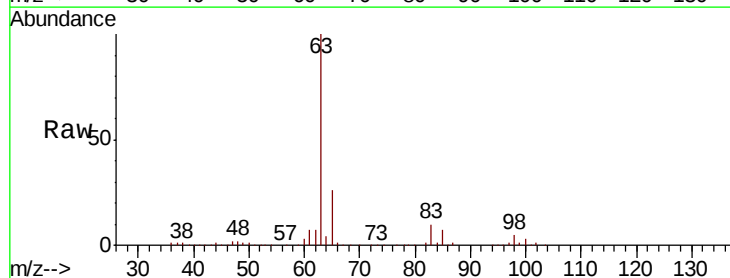
Tgt Ion: 63 Resp: 202121

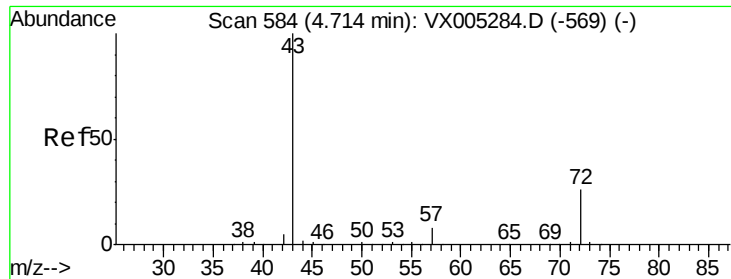
Ion Ratio Lower Upper

63 100

98 5.0 3.5 10.4

100 3.3 2.4 7.1





#25

2-Butanone

Concen: 257.255 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 515198

Ion Ratio Lower Upper

43 100

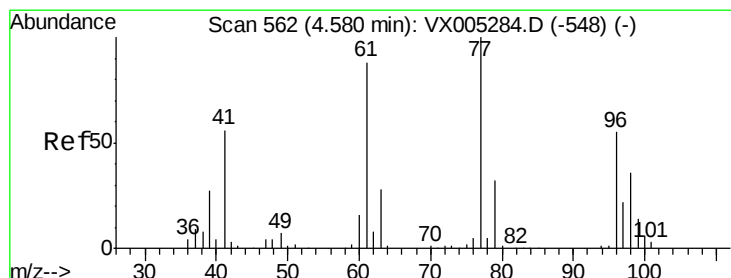
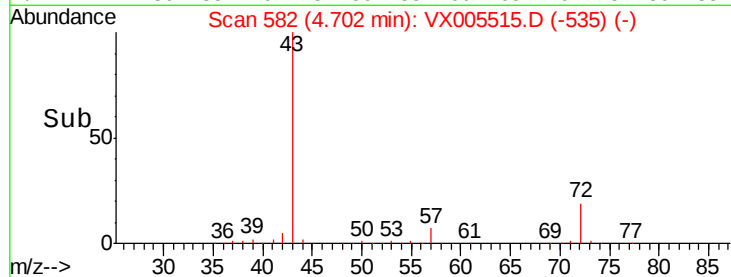
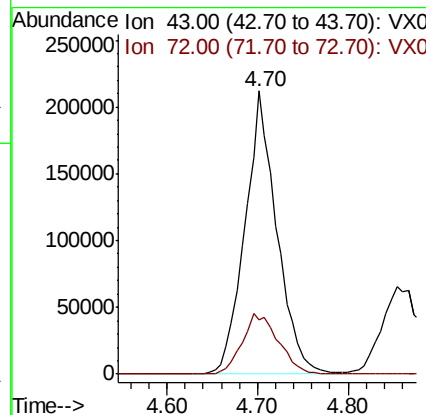
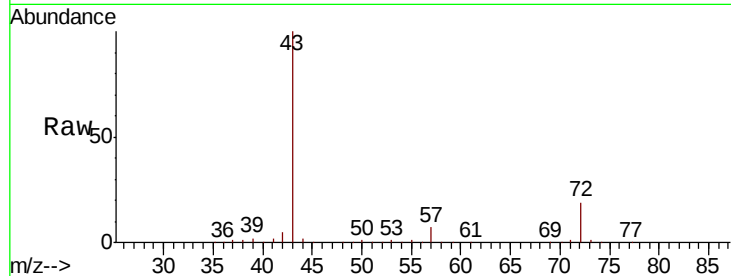
72 18.9 22.0 33.0#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 56.172 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005515.D

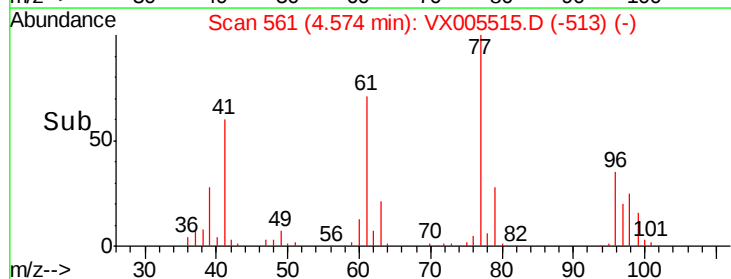
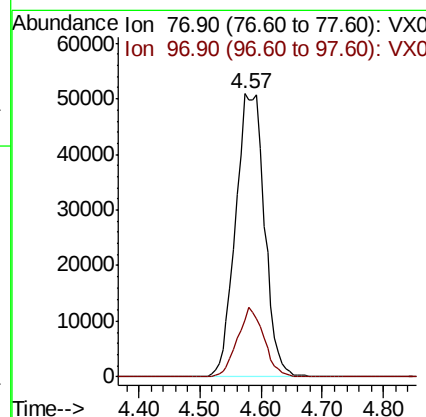
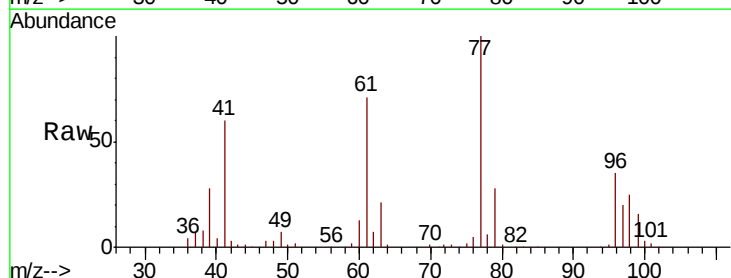
Acq: 23 Oct 2018 12:13

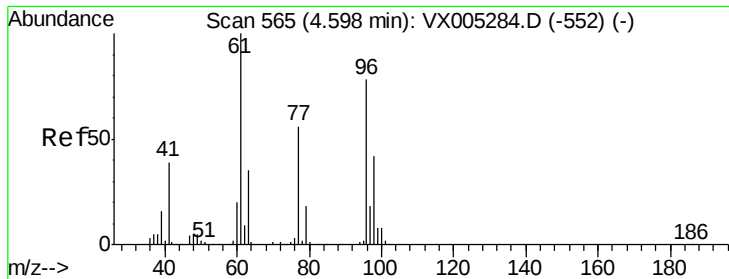
Tgt Ion: 77 Resp: 165870

Ion Ratio Lower Upper

77 100

97 22.3 11.7 35.0





#27

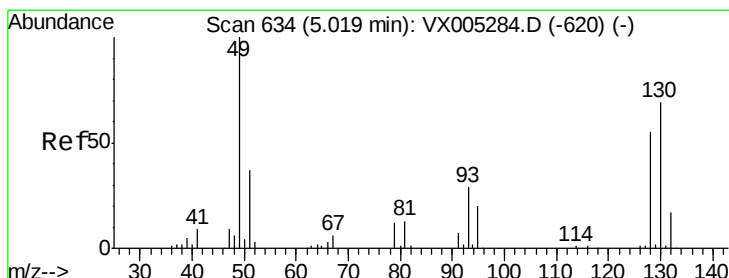
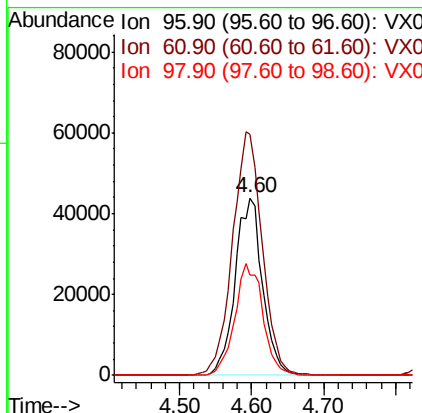
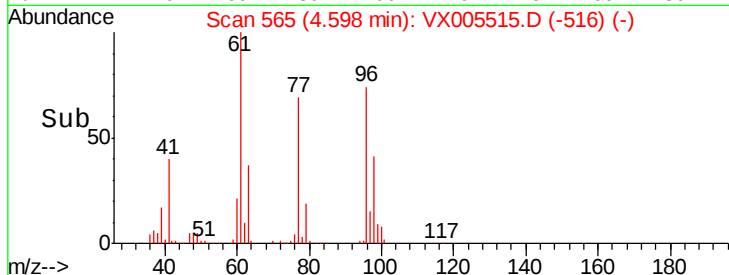
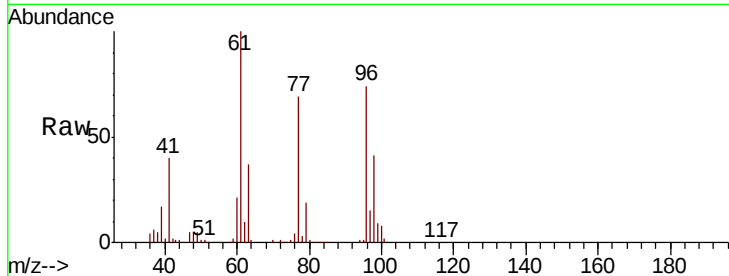
cis-1,2-Dichloroethene
Concen: 51.392 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.6	0.0	282.6	
98	64.4	0.0	130.2	

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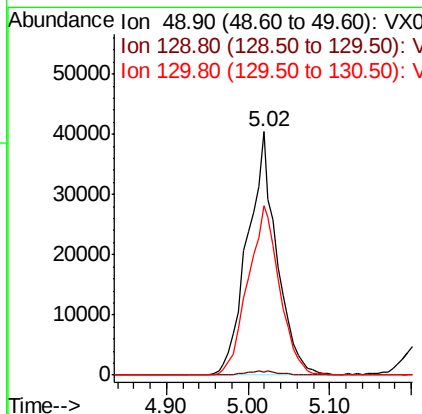
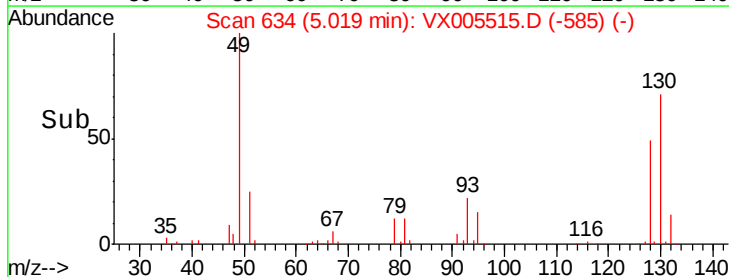
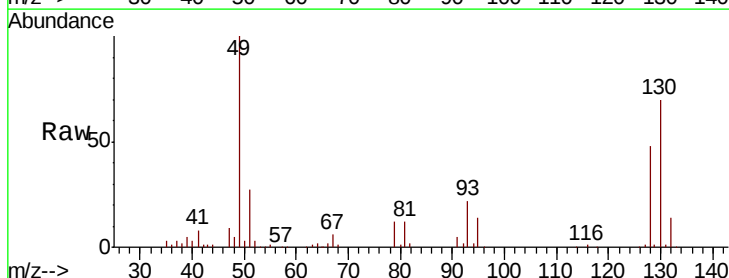
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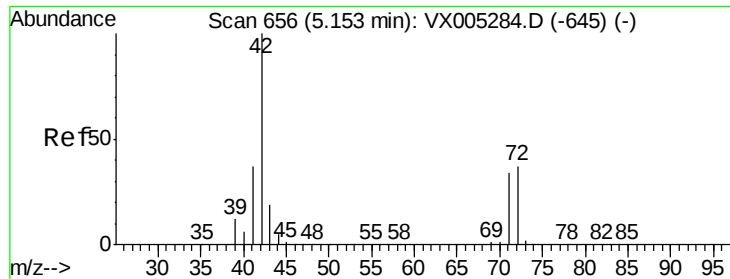


#28

Bromochloromethane
Concen: 56.243 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	75.3	67.5	101.3	





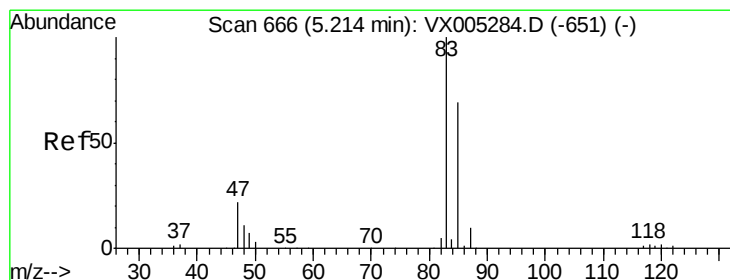
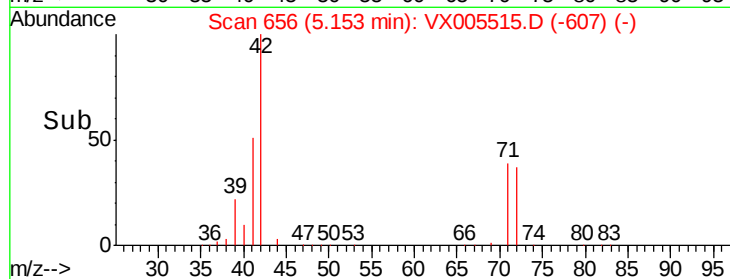
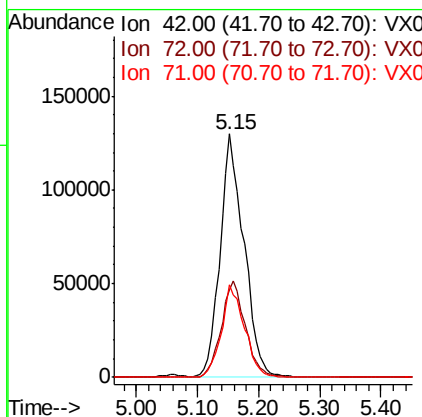
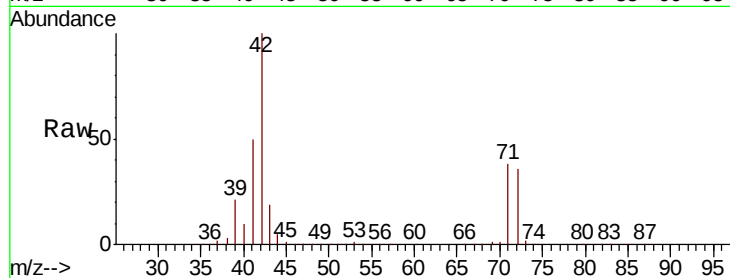
#29
Tetrahydrofuran
Concen: 275.714 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	37.4	56.0
71	36.9	34.5	51.7

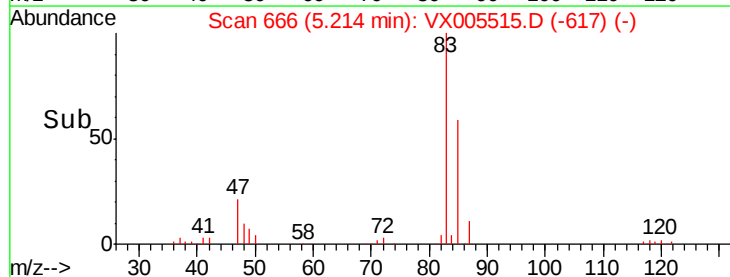
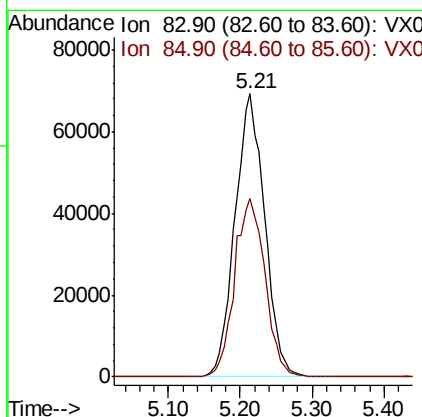
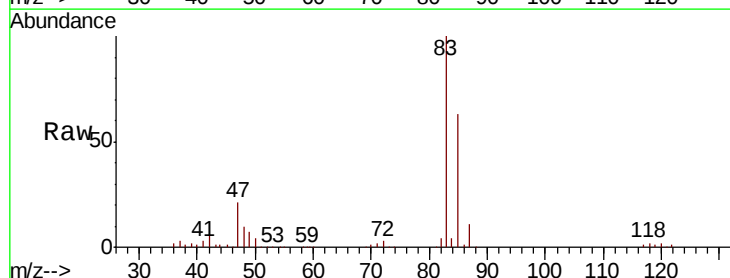
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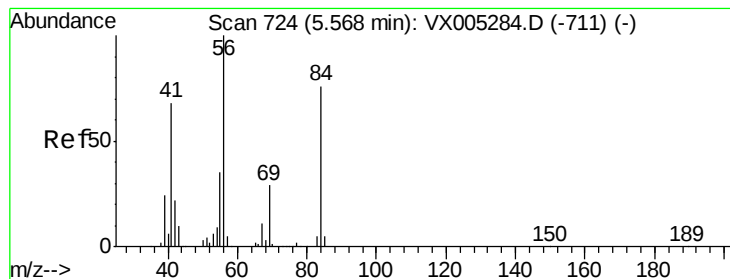
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#30
Chloroform
Concen: 54.148 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	79.0





#31

Cyclohexane

Concen: 52.126 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

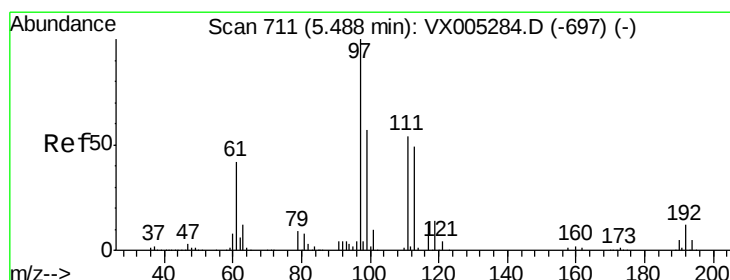
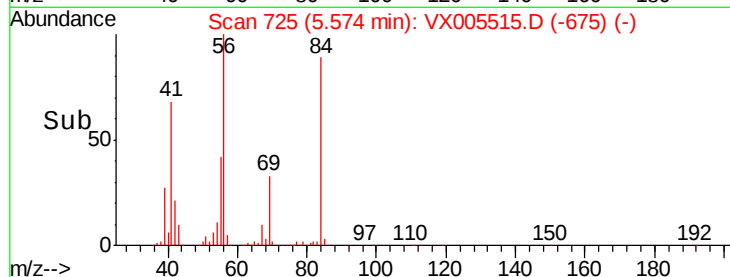
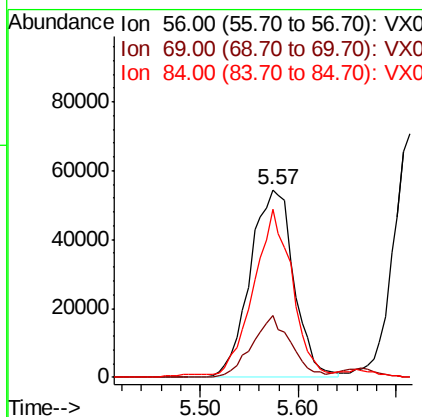
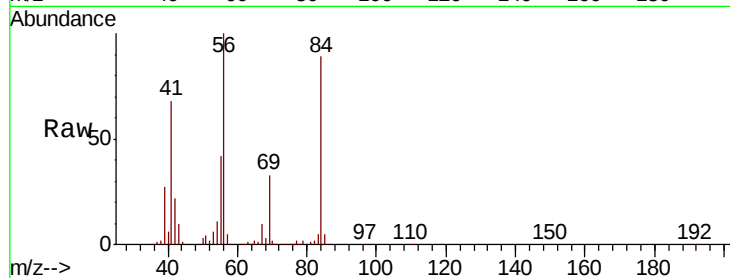
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	169628
Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.4	38.2
84	88.1	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.830 ug/l

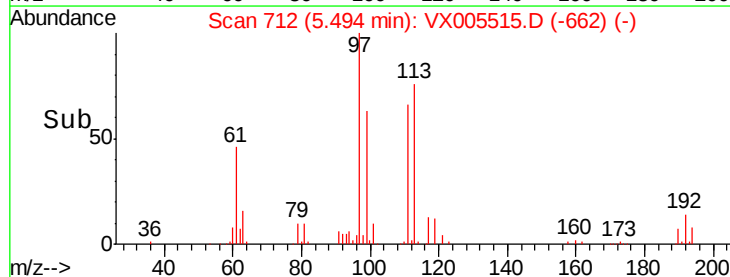
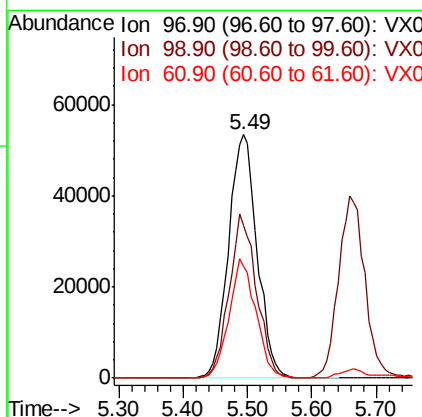
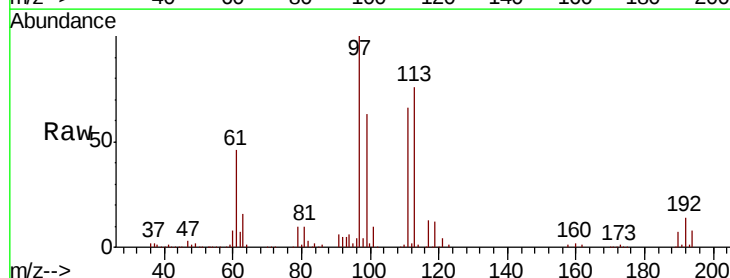
RT: 5.49 min Scan# 712

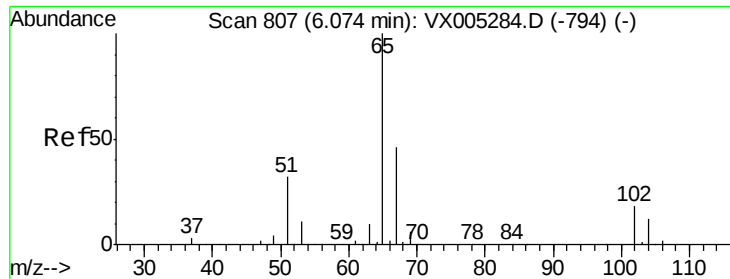
Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion:	97	Resp:	165276
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	46.2	34.9	52.3





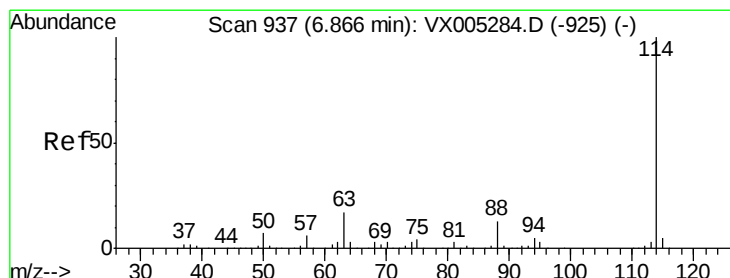
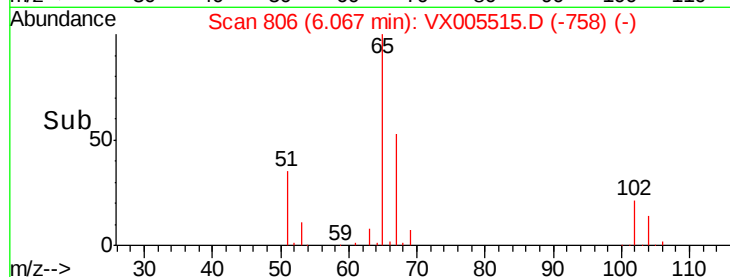
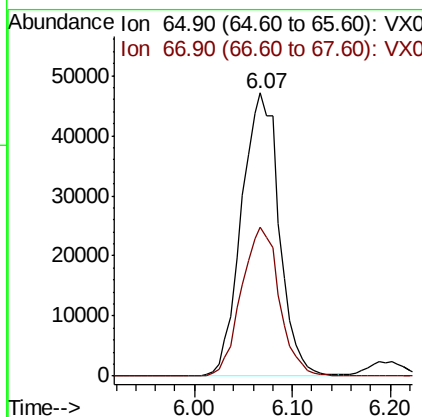
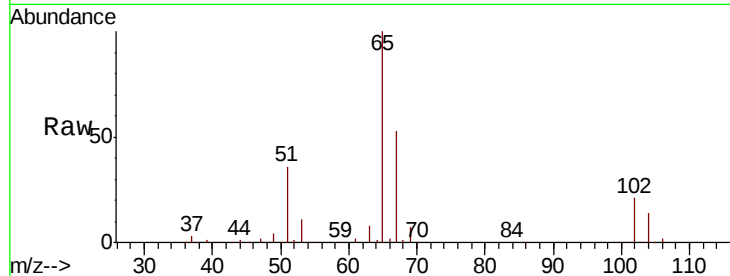
#33
 1,2-Dichloroethane-d4
 Concen: 53.493 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8

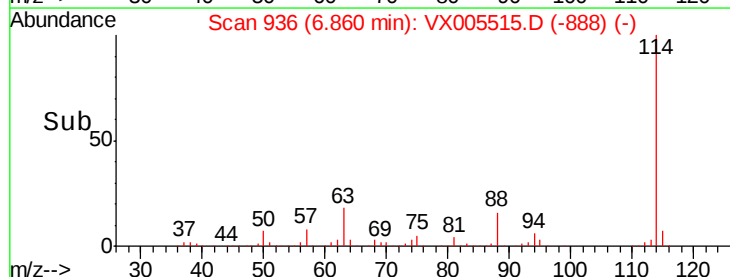
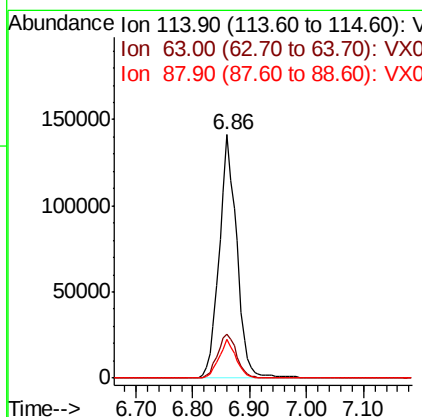
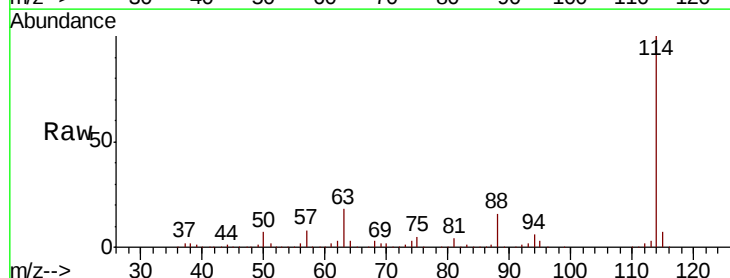
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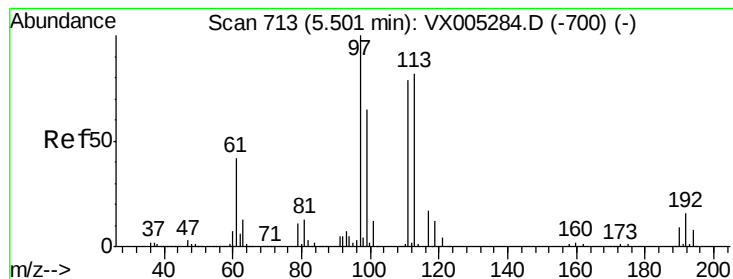
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.0
88	16.2	0.0	30.4





#35

Dibromofluoromethane

Concen: 53.617 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

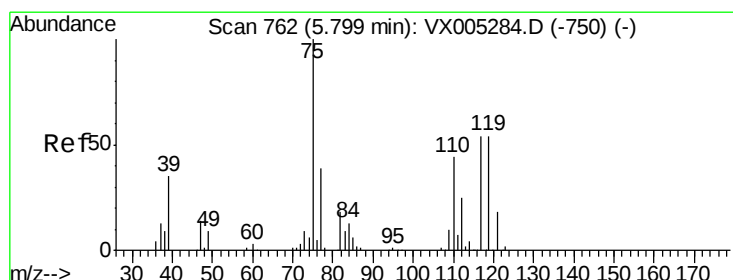
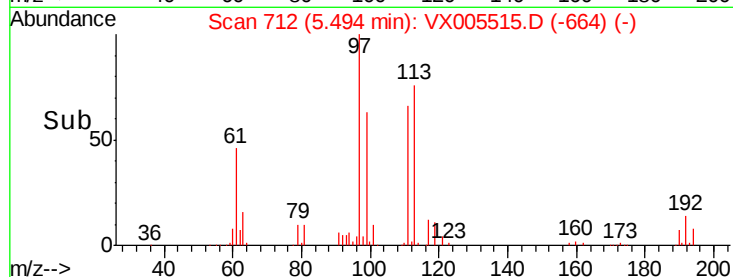
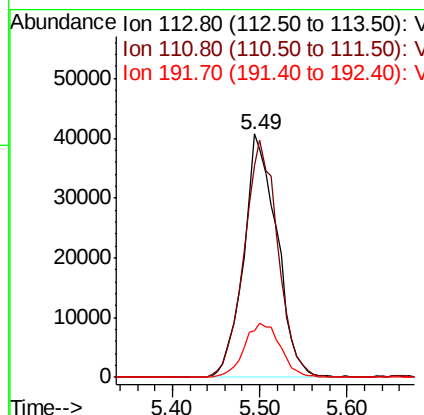
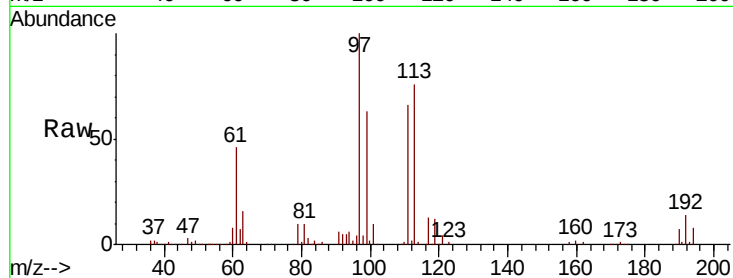
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	107893
Ion Ratio	Lower	Upper	
113	100		
111	99.1	82.4	123.6
192	24.0	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 49.087 ug/l

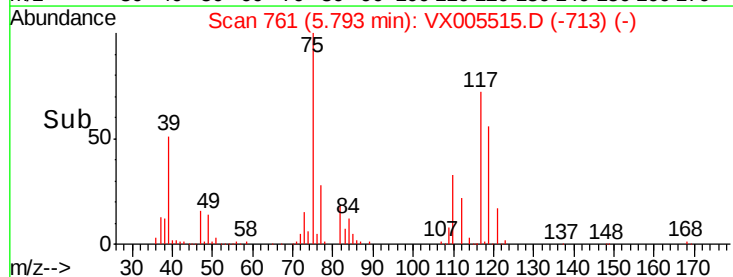
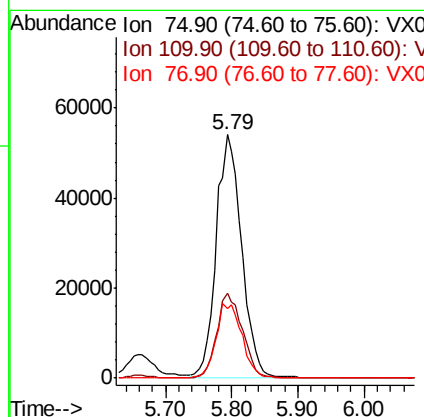
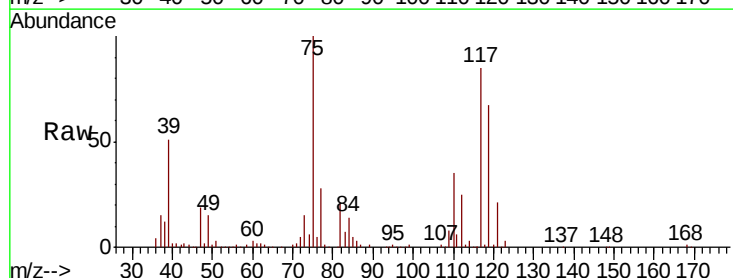
RT: 5.79 min Scan# 761

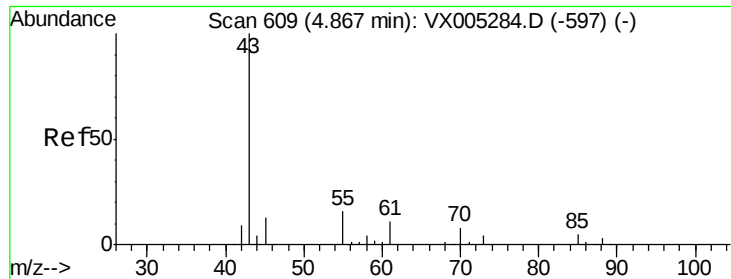
Delta R.T. -0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion:	75	Resp:	144436
Ion Ratio	Lower	Upper	
75	100		
110	34.7	18.0	54.0
77	30.7	24.6	36.8





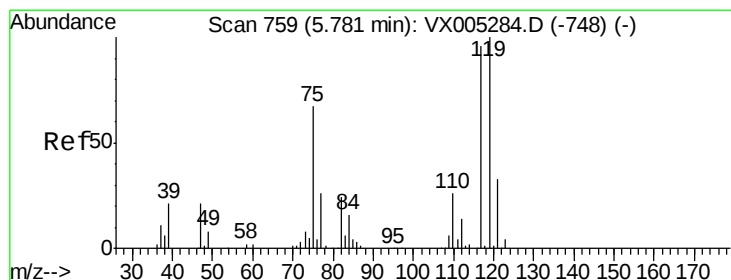
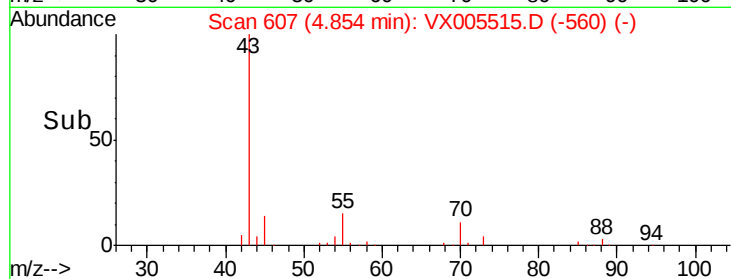
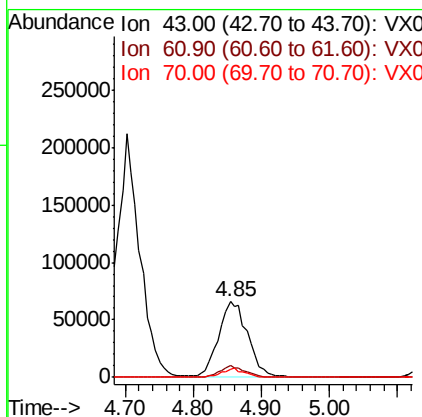
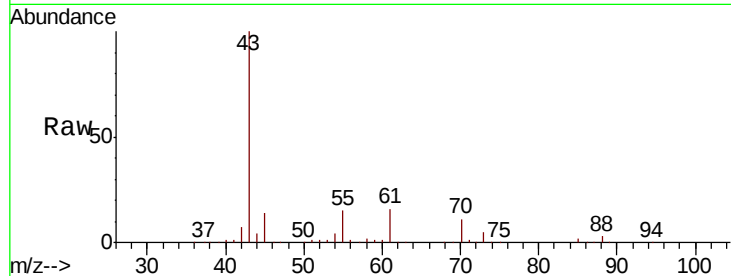
#37
Ethyl Acetate
Concen: 51.966 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.5	17.3
70	9.7	9.0	13.6

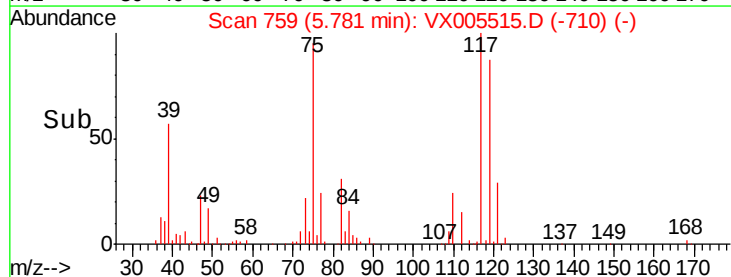
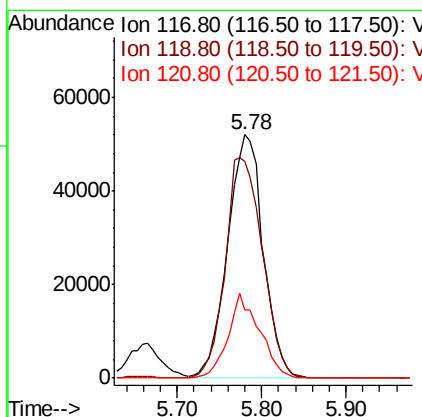
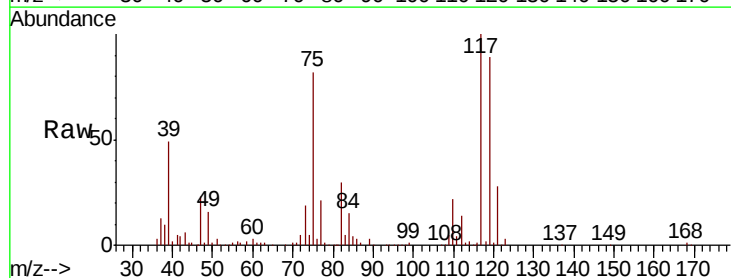
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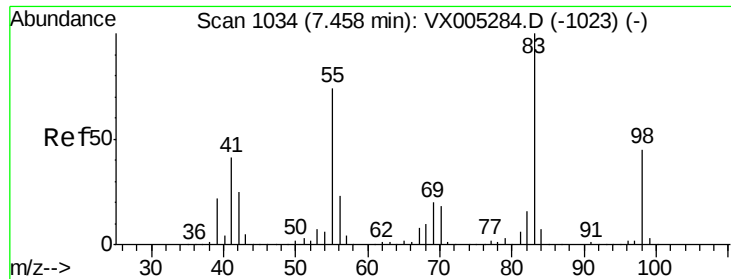
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#38
Carbon Tetrachloride
Concen: 50.362 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.9	78.8	118.2
121	28.2	24.9	37.3





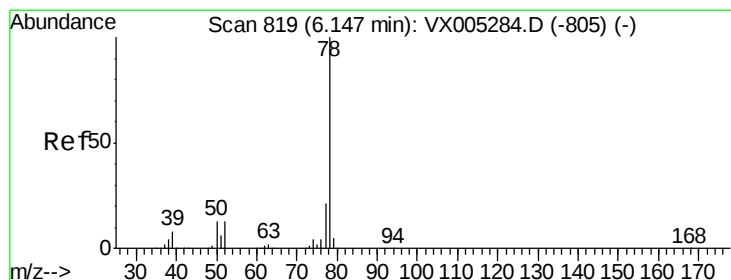
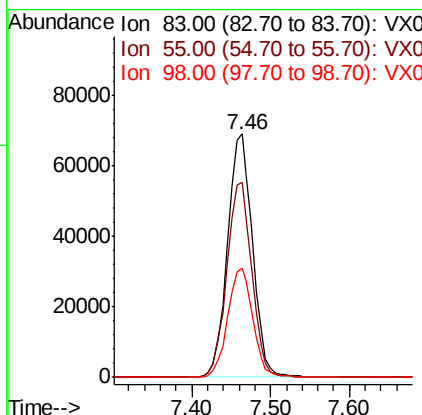
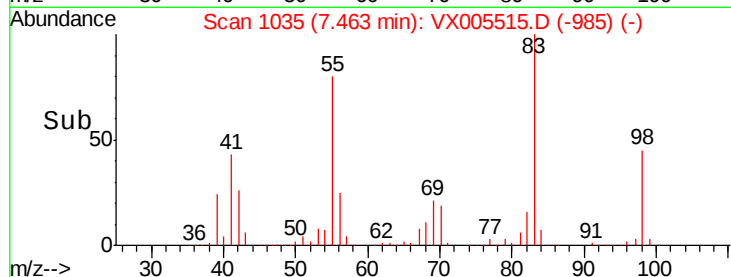
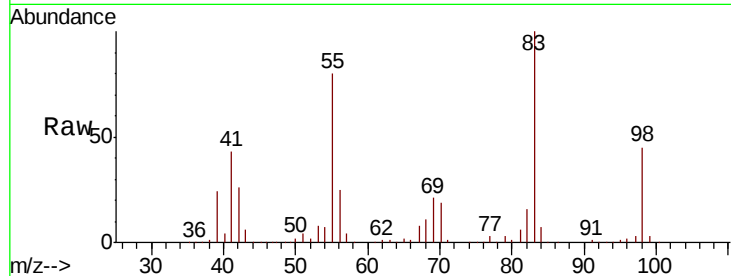
#39
Methvlcvclohexane
Concen: 47.546 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	151417		
55	79.9		61.0	91.4
98	45.0		39.6	59.4

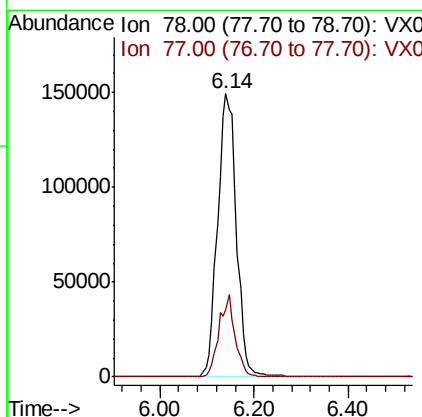
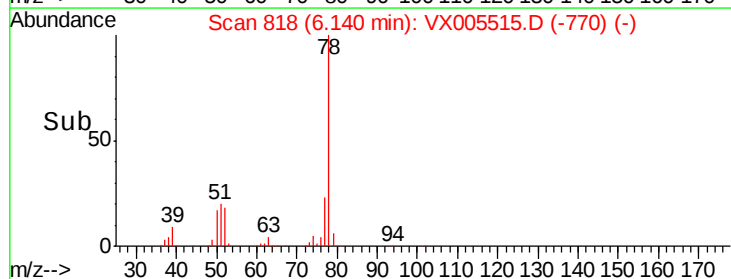
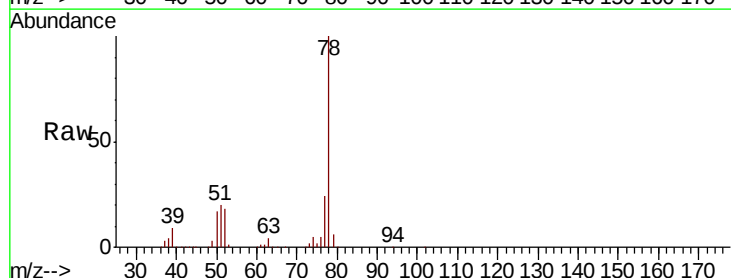
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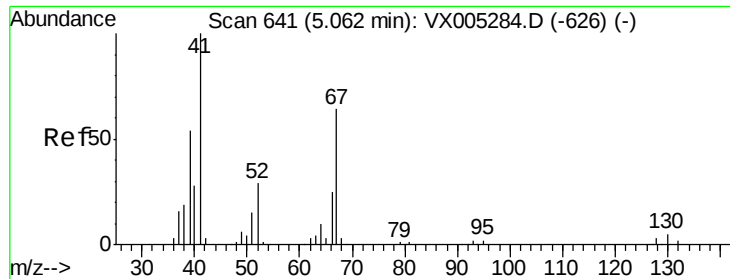
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#40
Benzene
Concen: 46.879 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	413792		
77	23.6		19.0	28.4





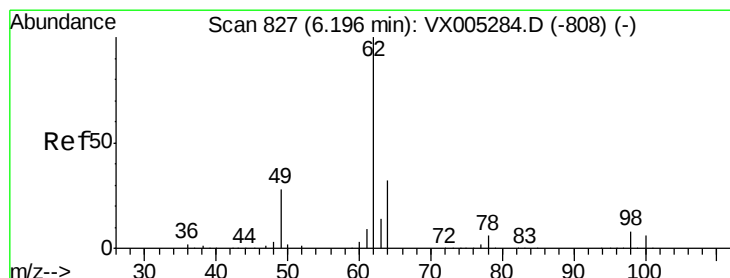
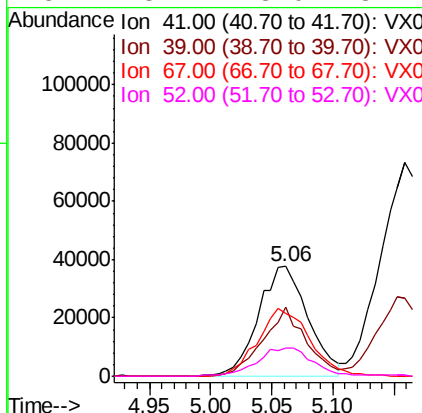
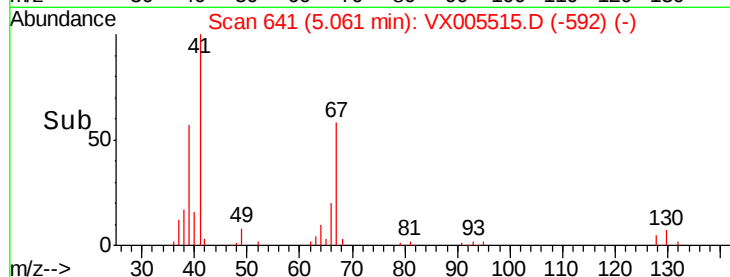
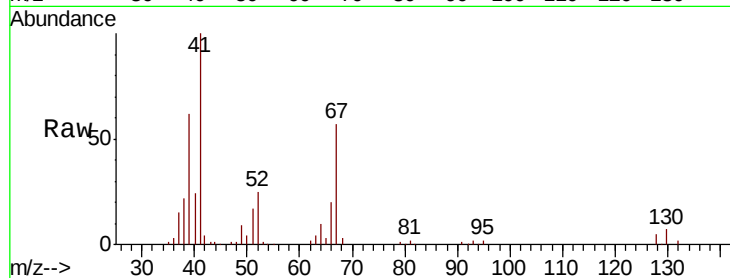
#41
Methacrylonitrile
Concen: 52.286 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		106072		
39	54.2	42.4	63.6		
67	64.8	59.2	88.8		
52	28.2	23.0	34.4		

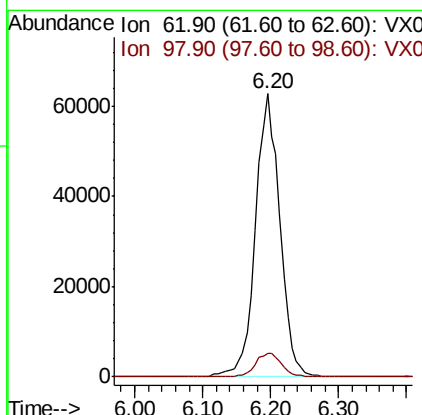
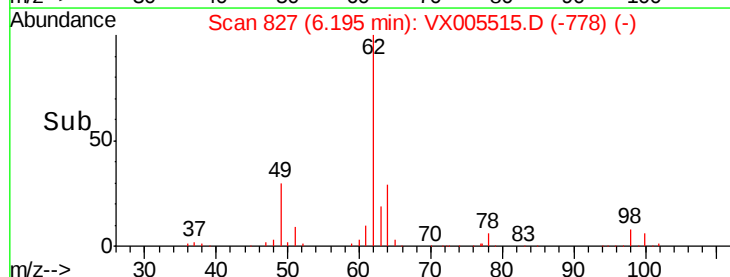
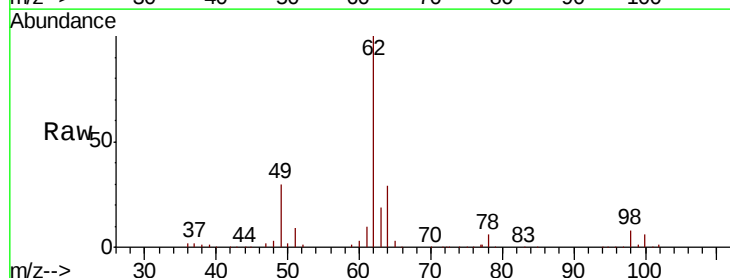
Manual Integrations
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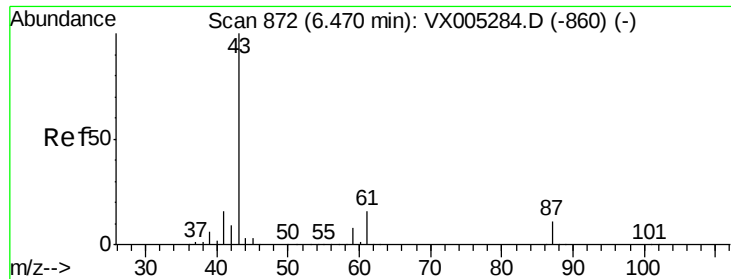
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.625 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		157785		
98	8.8	0.0	20.6		





#43

Isopropyl Acetate

Concen: 56.908 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

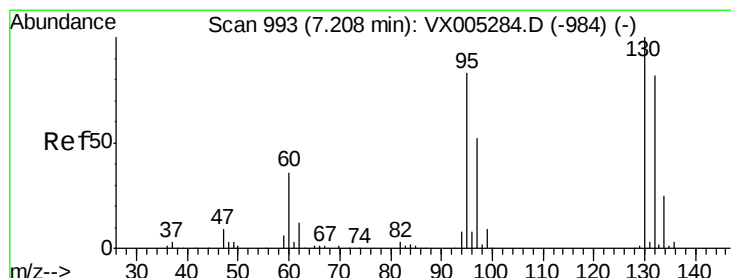
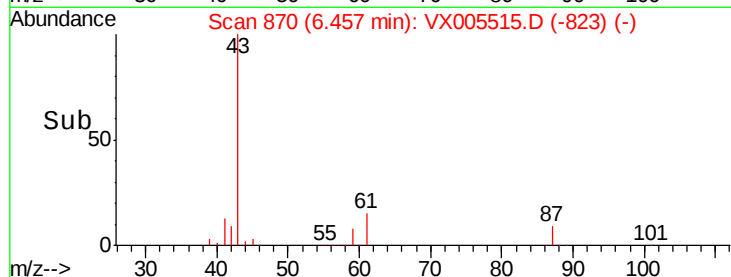
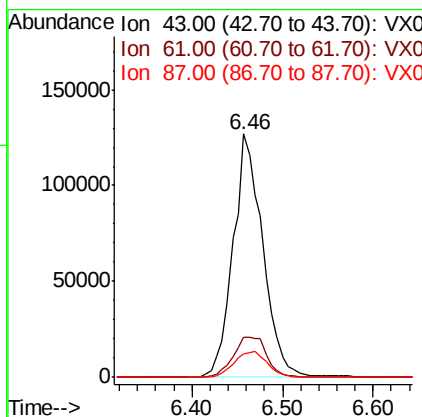
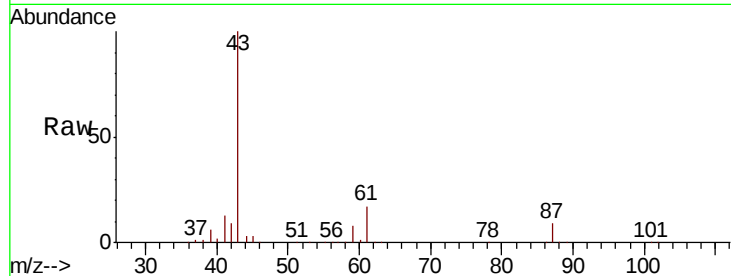
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	286862
Ion	Ratio	Lower	Upper
43	100		
61	18.9	17.0	25.4
87	12.0	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 47.668 ug/l

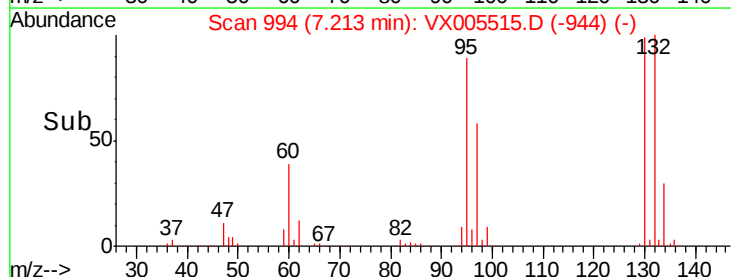
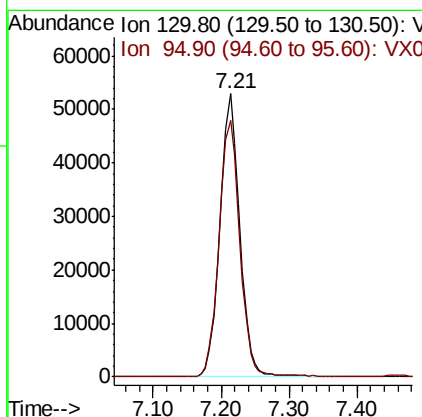
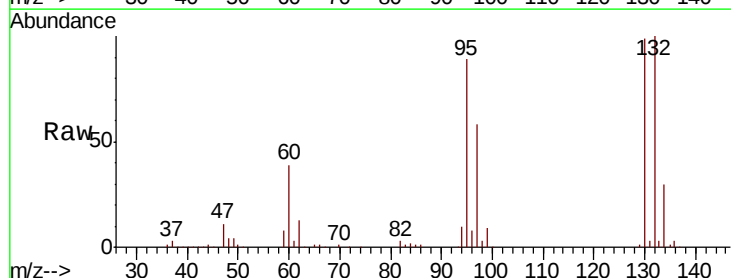
RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion:	130	Resp:	107500
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 51.472 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 111448

Ion Ratio Lower Upper

63 100

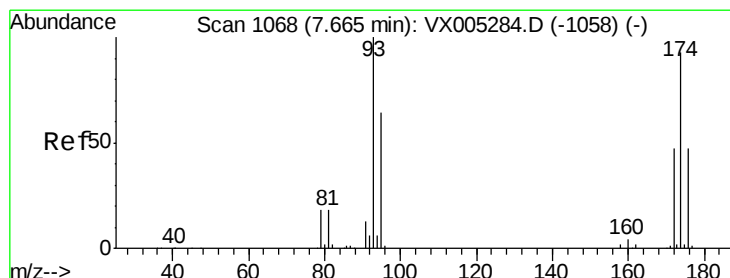
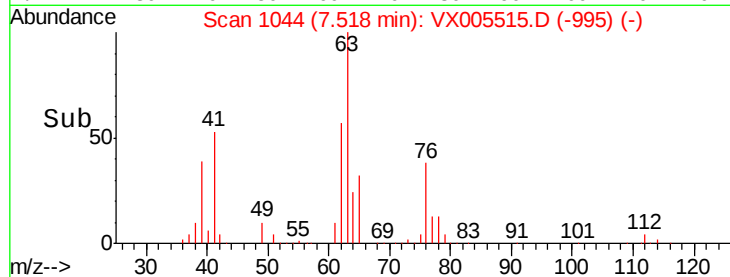
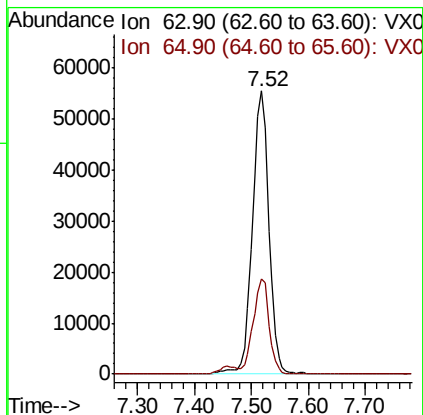
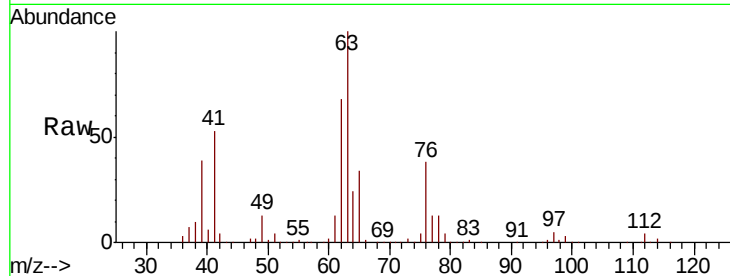
65 33.6 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 48.146 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

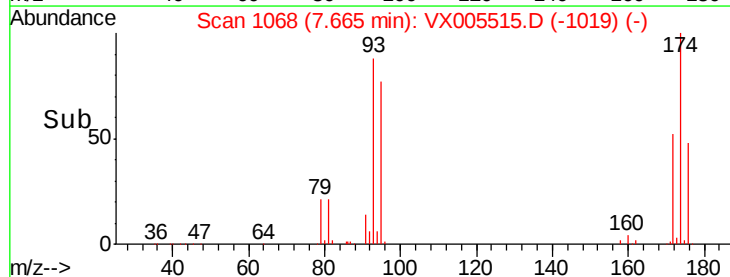
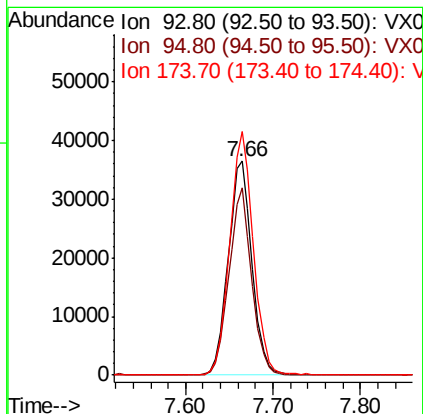
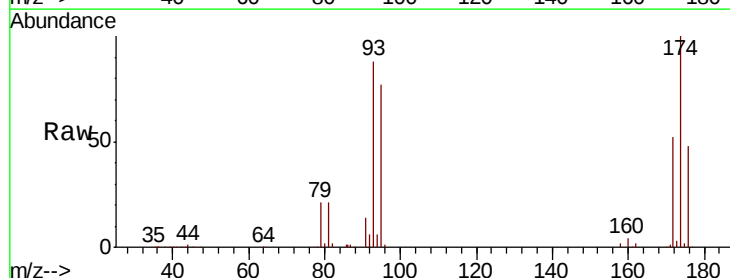
Tgt Ion: 93 Resp: 68803

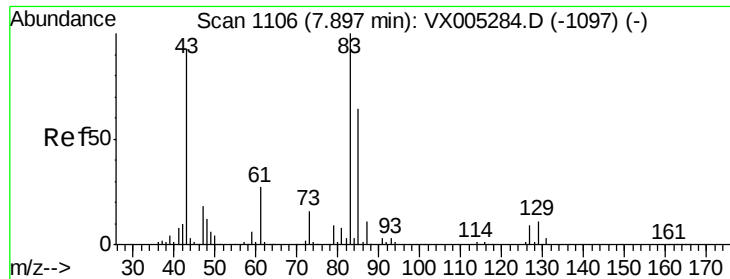
Ion Ratio Lower Upper

93 100

95 83.2 65.5 98.3

174 113.1 94.2 141.4





#47

Bromodichloromethane

Concen: 52.128 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

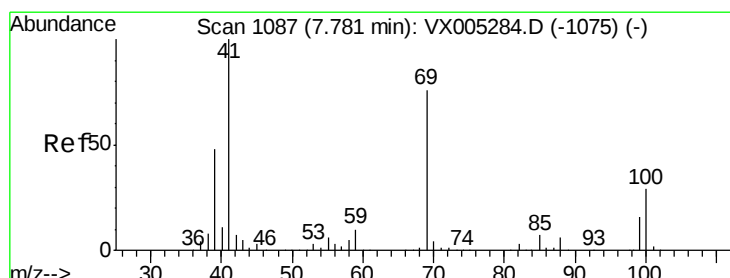
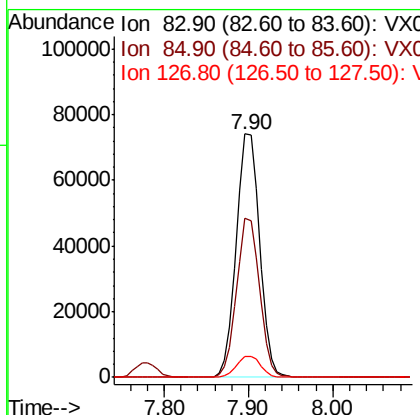
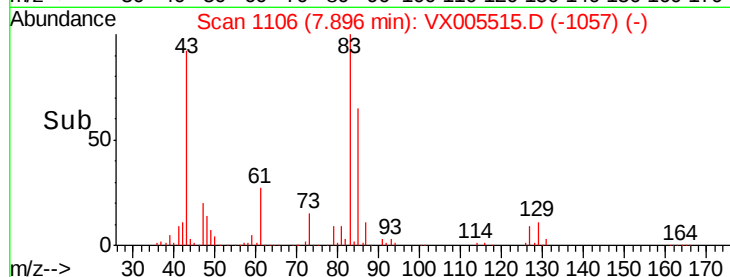
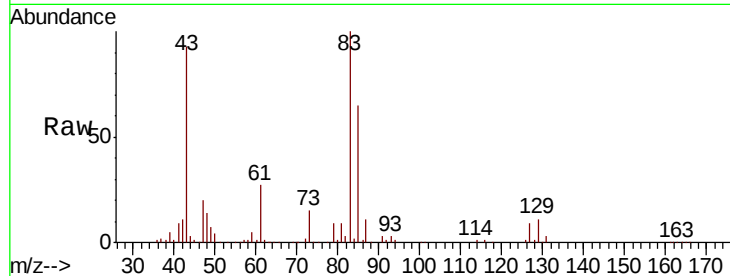
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	137792
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.9	76.3
127	8.7	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.157 ug/l

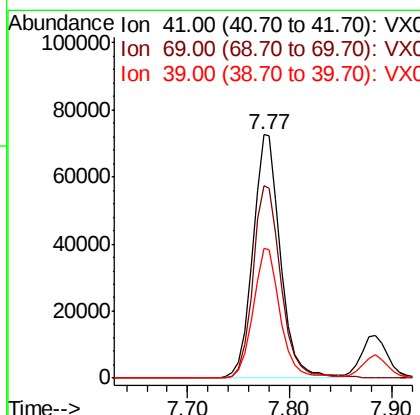
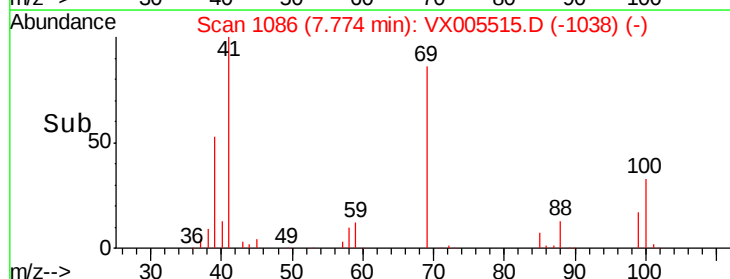
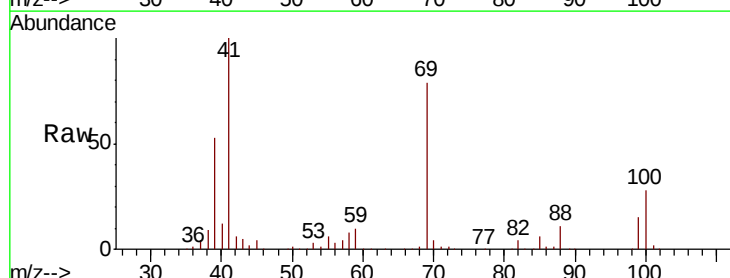
RT: 7.77 min Scan# 1086

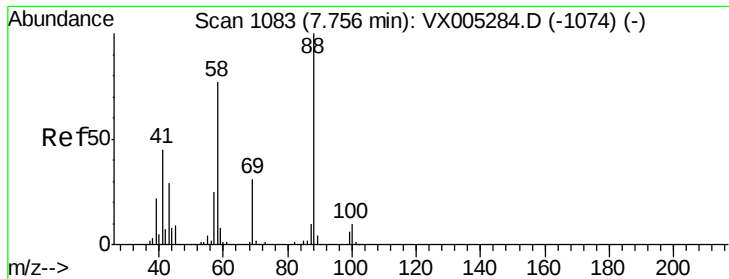
Delta R.T. -0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion:	41	Resp:	136359
Ion	Ratio	Lower	Upper
41	100		
69	81.0	70.2	105.4
39	52.5	42.7	64.1





#49

1,4-Dioxane

Concen: 860.952 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

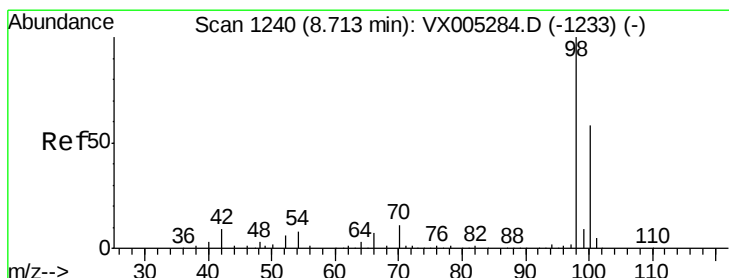
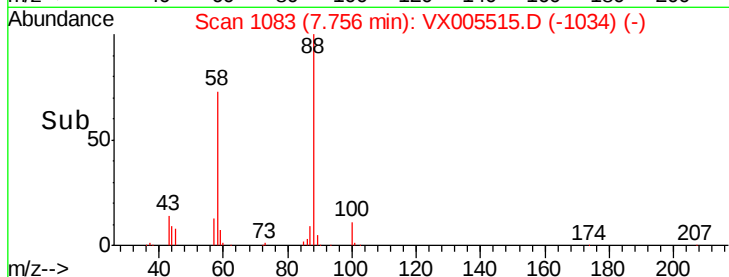
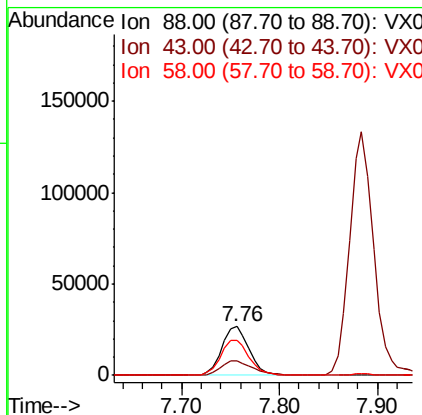
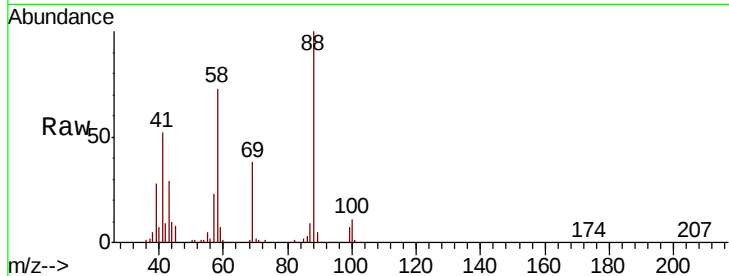
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	24.7	37.1
58	75.7	55.3	82.9

Manual Integrations
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#50

Toluene-d8

Concen: 52.403 ug/l

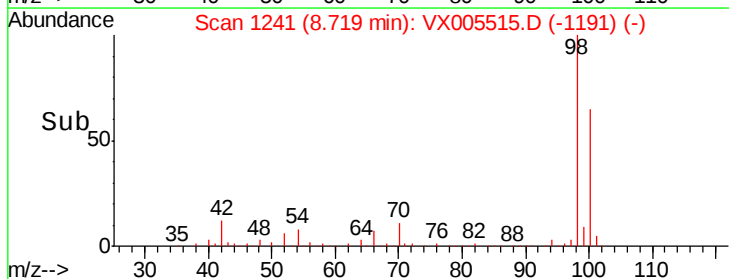
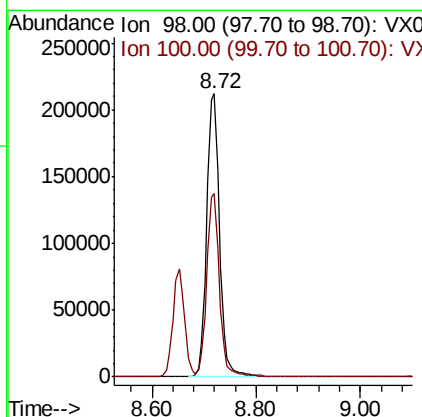
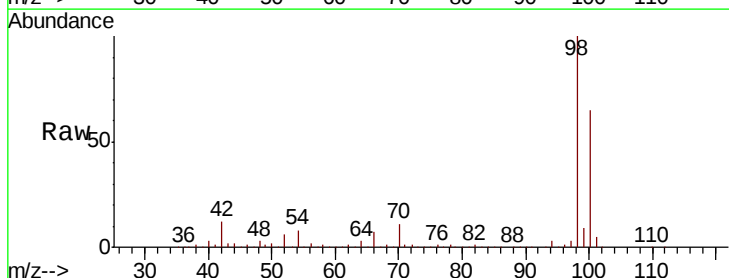
RT: 8.72 min Scan# 1241

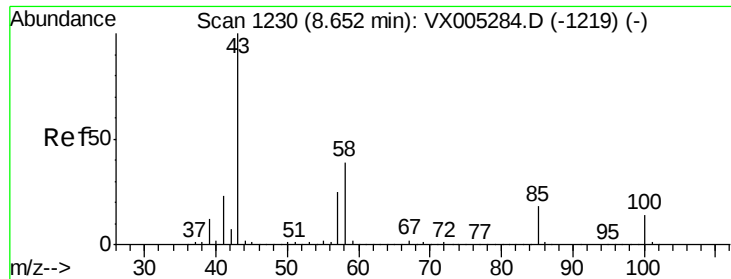
Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 267.126 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 932353

Ion Ratio Lower Upper

43 100

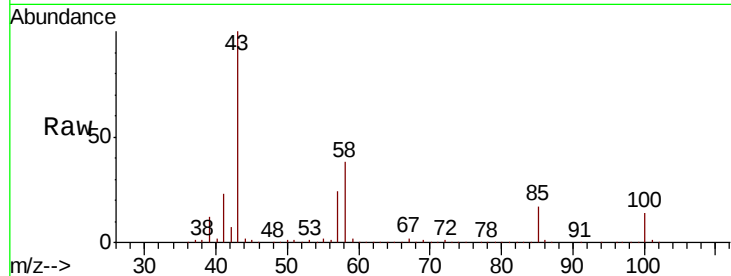
58 37.1 33.1 49.7

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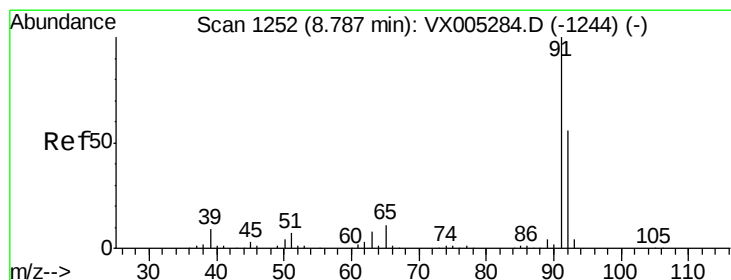
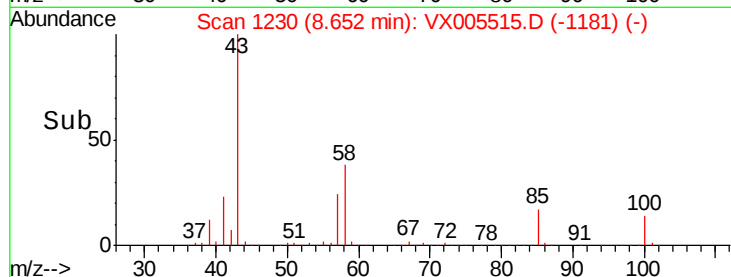
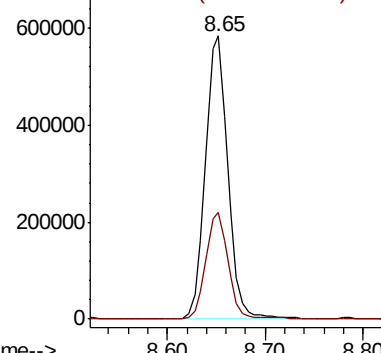
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.494 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005515.D

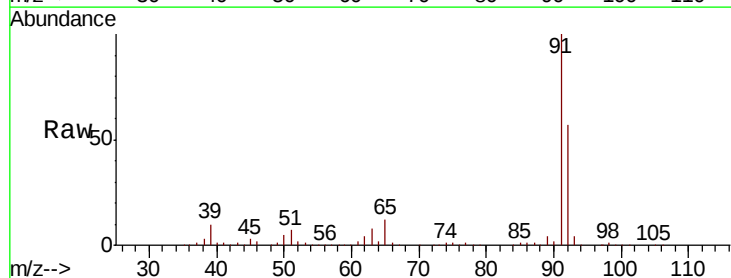
Acq: 23 Oct 2018 12:13

Tgt Ion: 92 Resp: 243837

Ion Ratio Lower Upper

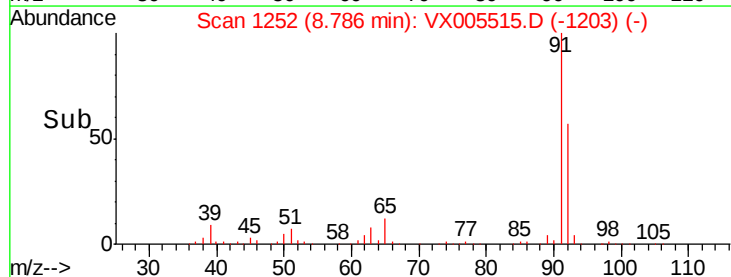
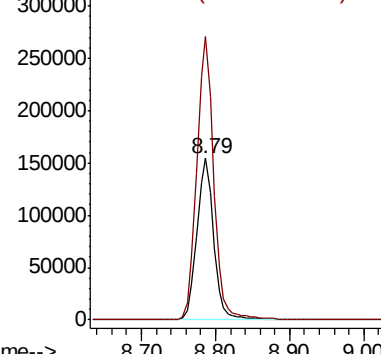
92 100

91 176.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





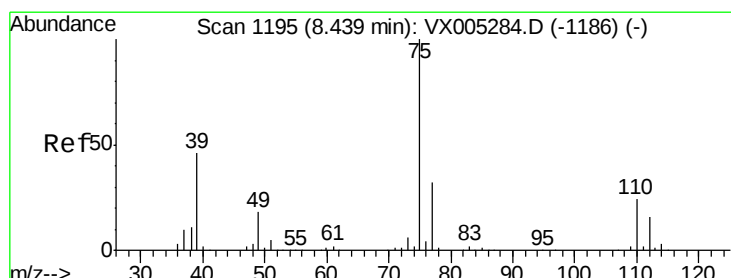
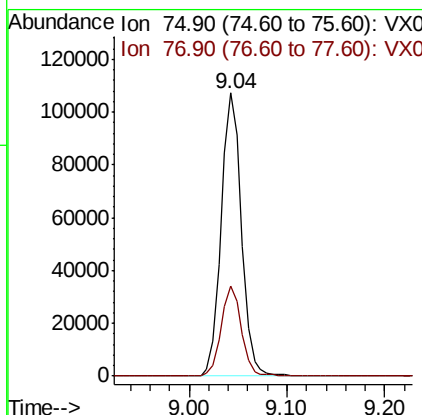
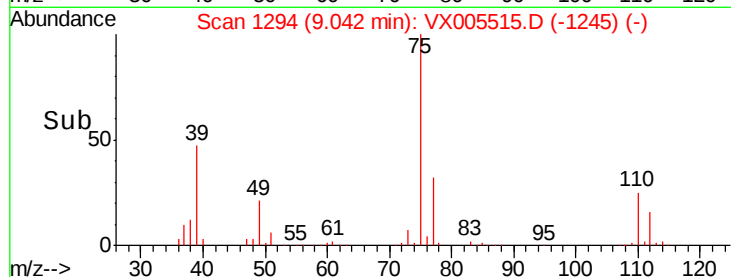
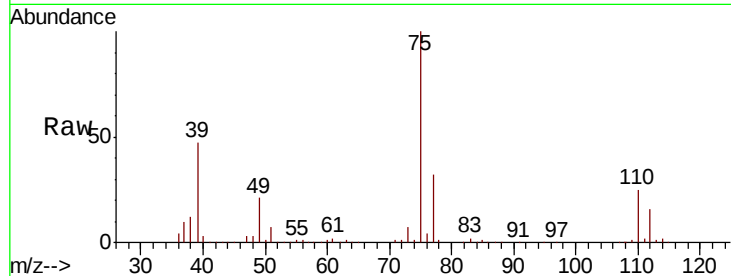
#53
t-1,3-Dichloropropene
Concen: 53.952 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 154339
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0

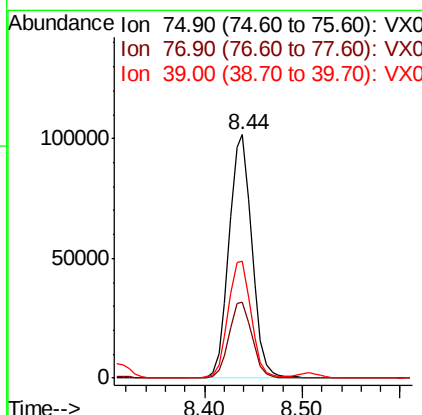
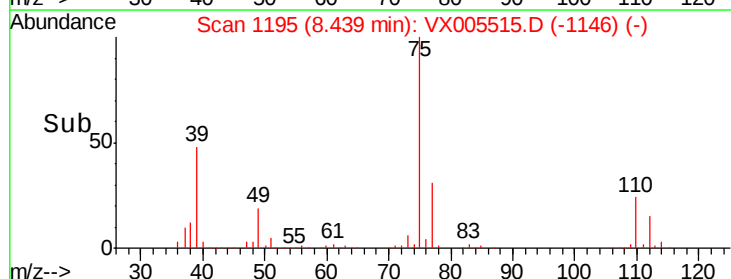
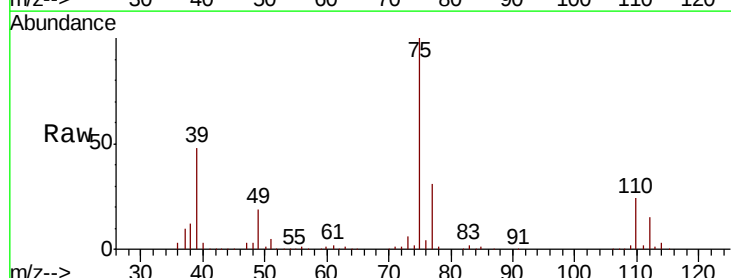
Manual Integrations
APPROVED

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#54
cis-1,3-Dichloropropene
Concen: 53.287 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 75 Resp: 165169
Ion Ratio Lower Upper
75 100
77 31.2 26.2 39.2
39 47.9 36.4 54.6





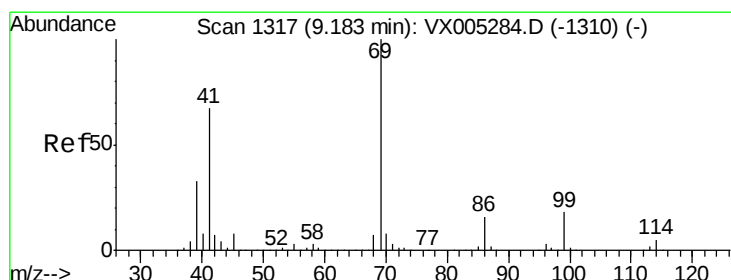
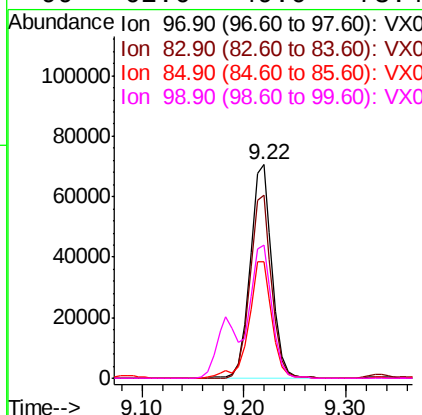
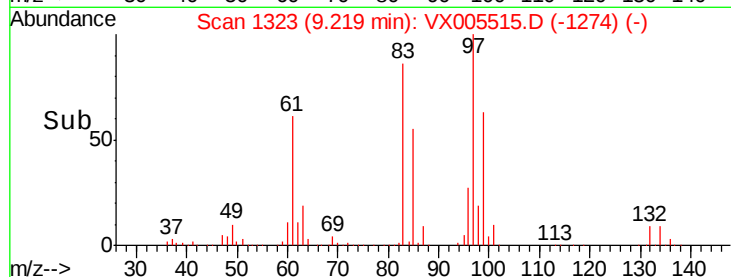
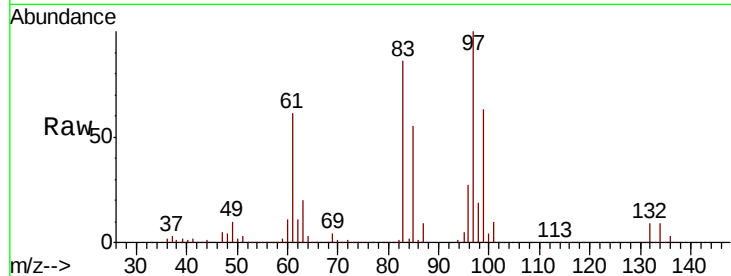
#55
 1,1,2-Trichloroethane
 Concen: 51.323 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	104976
Ion Ratio	Lower	Upper	
97	100		
83	85.8	66.4	99.6
85	54.7	43.3	64.9
99	62.6	49.0	73.4

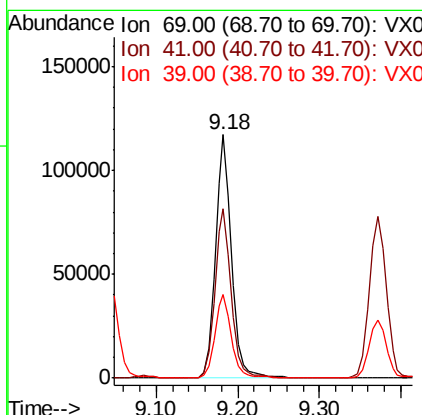
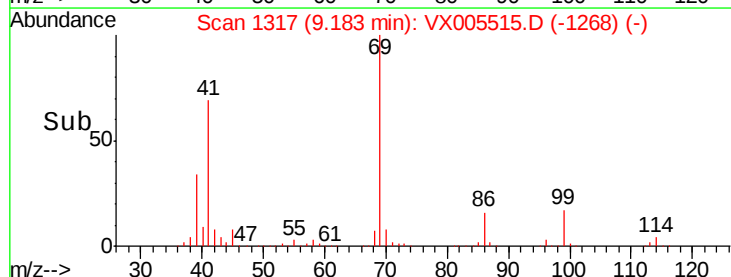
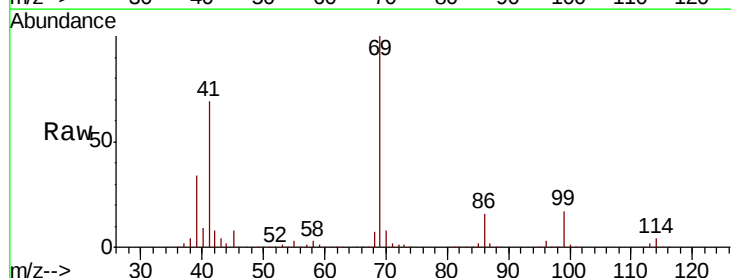
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 54.791 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion	69	Resp	163374
Ion Ratio	Lower	Upper	
69	100		
41	70.6	51.0	76.4
39	34.9	26.1	39.1





#57

1,3-Dichloropropane

Concen: 51.238 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 174921

Ion Ratio Lower Upper

76 100

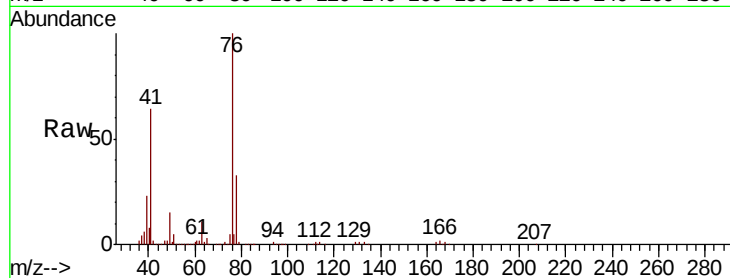
78 32.0 25.5 38.3

Manual Integrations

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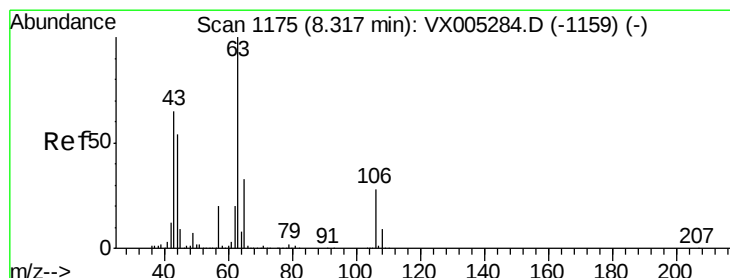
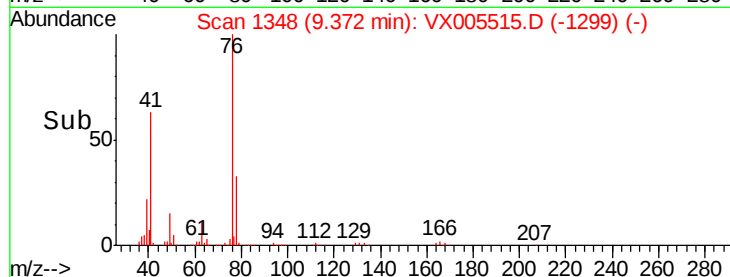
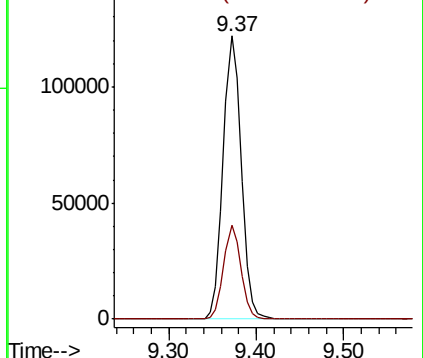
MMDadoda

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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: 277.010 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005515.D

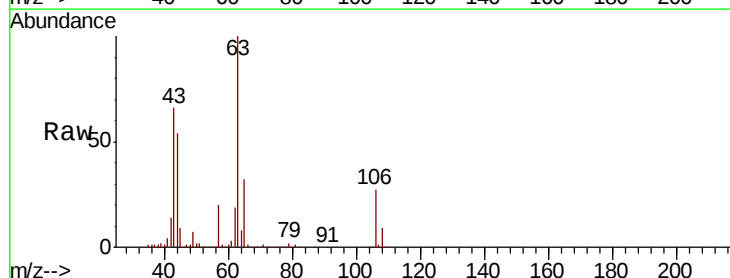
Acq: 23 Oct 2018 12:13

Tgt Ion: 63 Resp: 463225

Ion Ratio Lower Upper

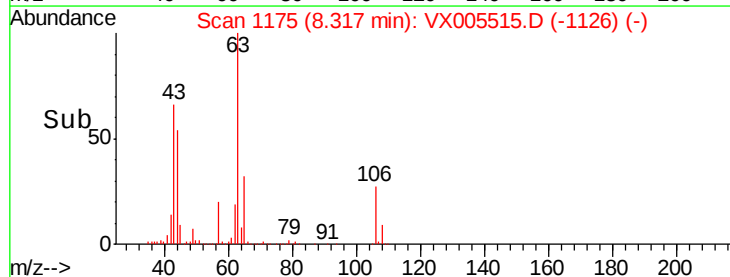
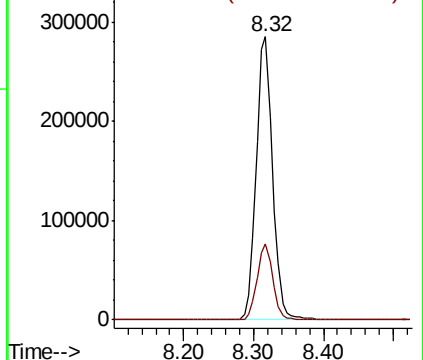
63 100

106 26.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





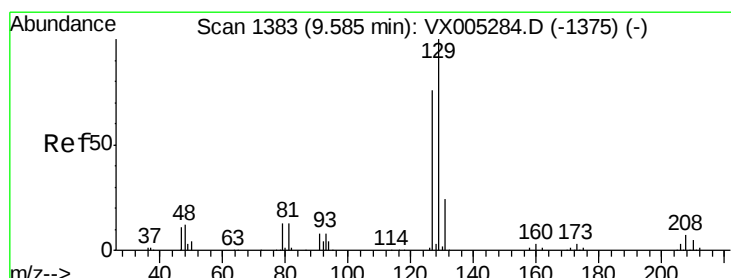
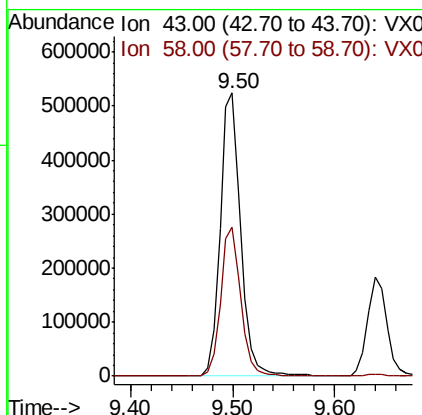
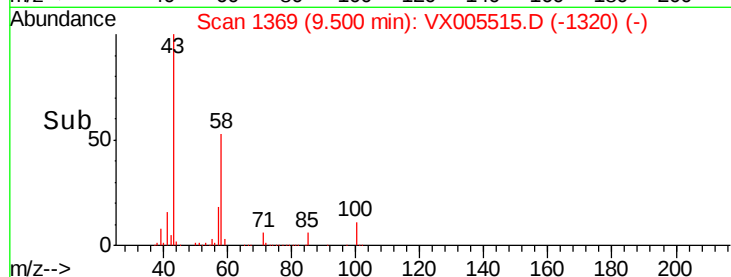
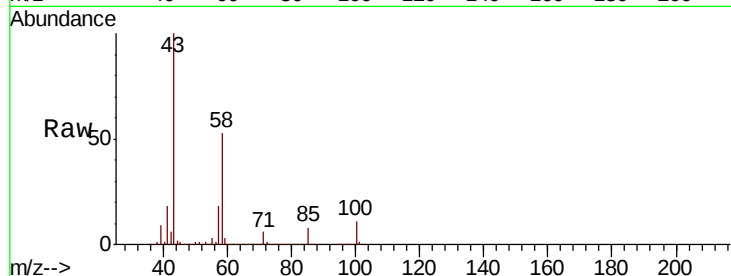
#59
2-Hexanone
Concen: 261.372 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 733833
Ion Ratio Lower Upper
43 100
58 51.9 29.0 87.0

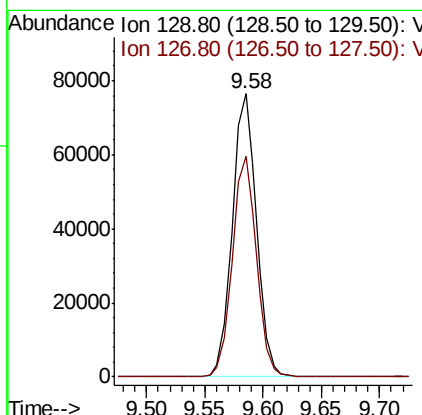
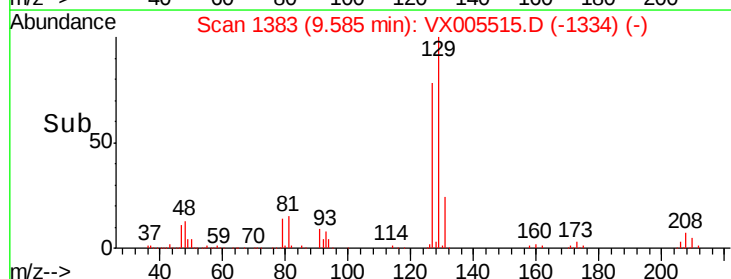
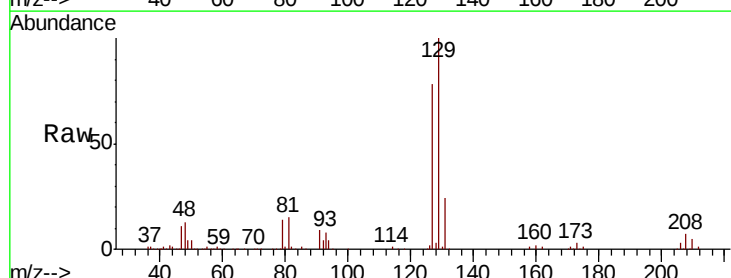
Manual Integrations
APPROVED

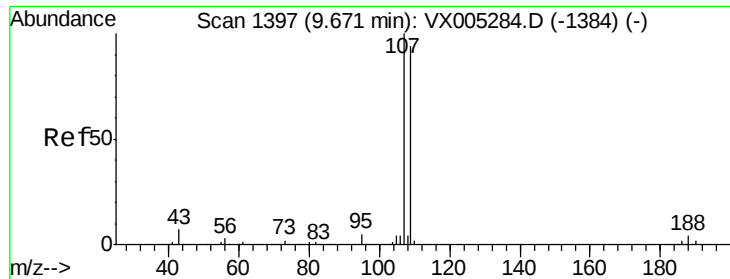
MMDadoda
10/24/2018 10:02:40 AM



#60
Dibromochloromethane
Concen: 52.363 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 129 Resp: 110709
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.298 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 107968

Ion Ratio Lower Upper

107 100

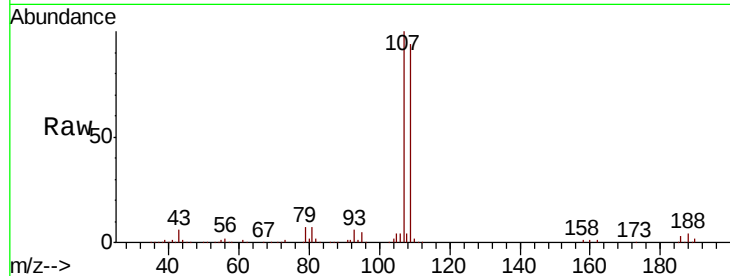
109 94.7 76.0 114.0

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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

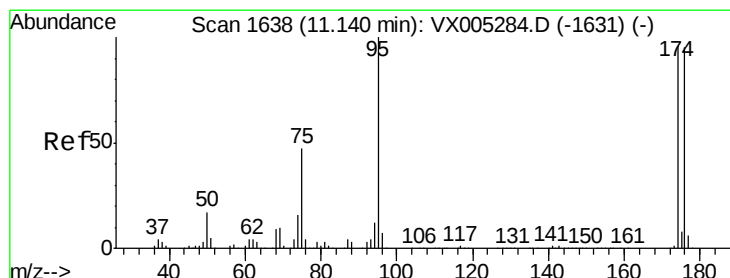
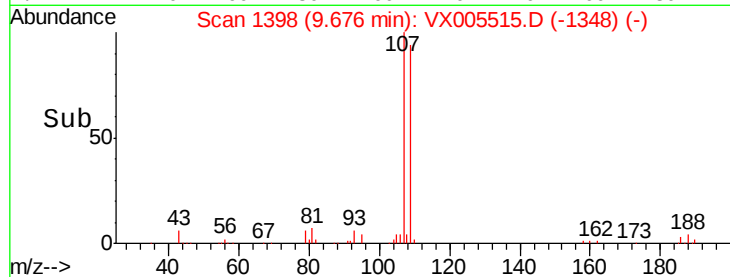
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.540 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

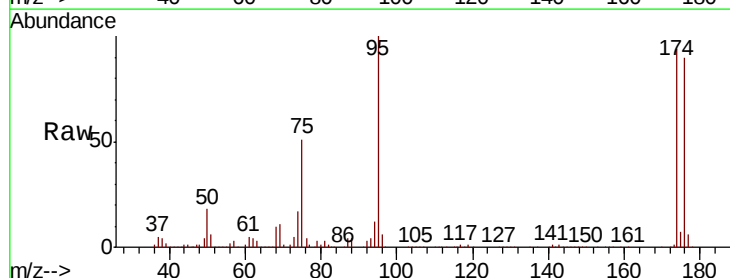
Tgt Ion: 95 Resp: 138946

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.2

176 88.8 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

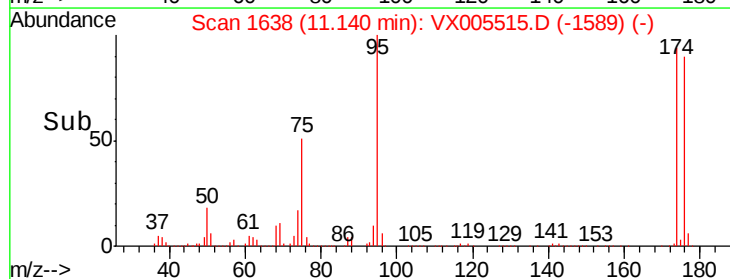
11.14

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: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

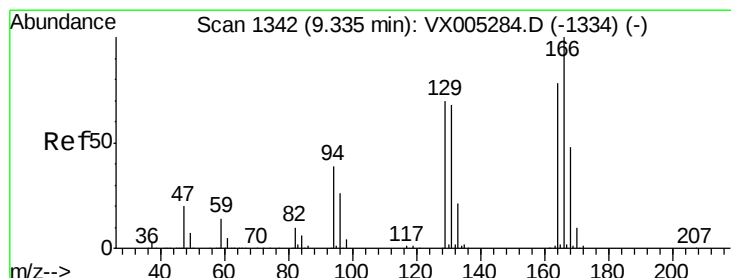
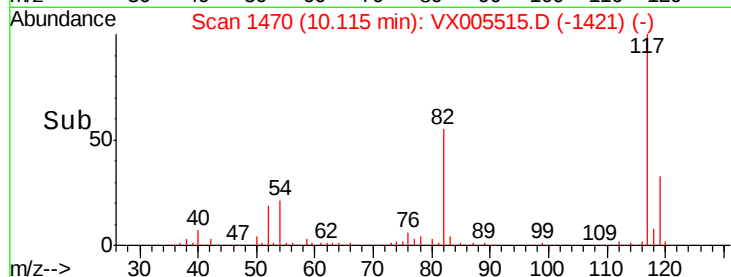
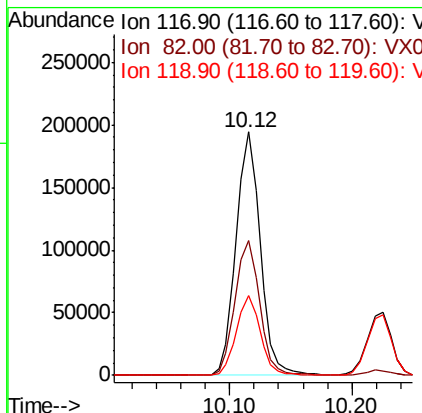
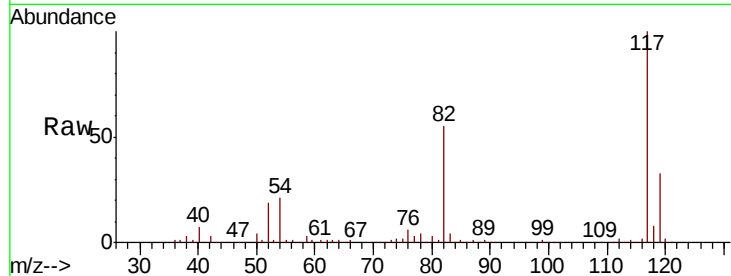
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	267207
Ion Ratio	Lower	Upper	
117	100		
82	55.4	47.8	71.6
119	32.8	29.3	43.9

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#64

Tetrachloroethene

Concen: 51.135 ug/l

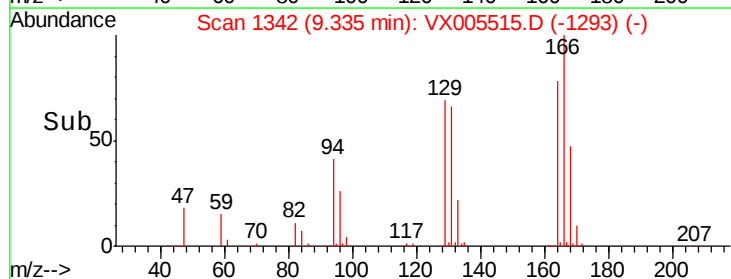
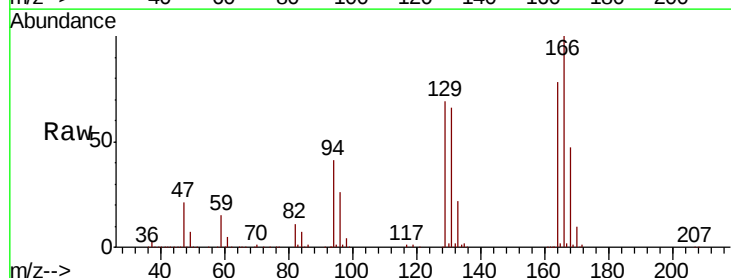
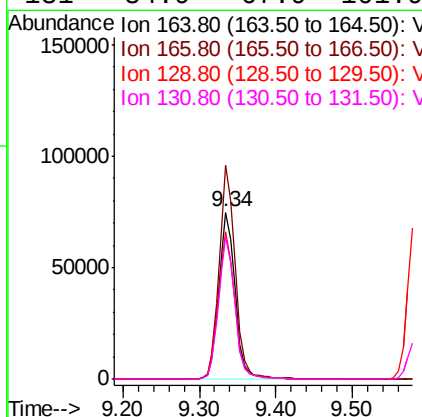
RT: 9.34 min Scan# 1342

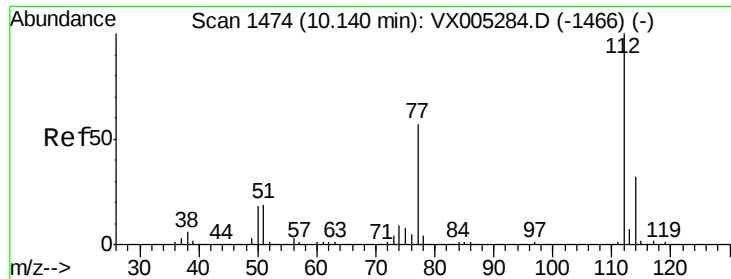
Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion:	164	Resp:	109999
Ion Ratio	Lower	Upper	
164	100		
166	128.1	102.8	154.2
129	88.0	69.4	104.0
131	84.9	67.9	101.9





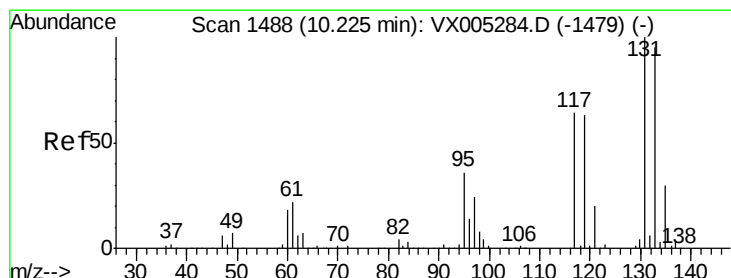
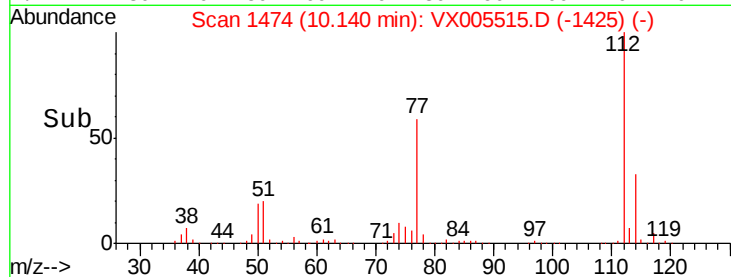
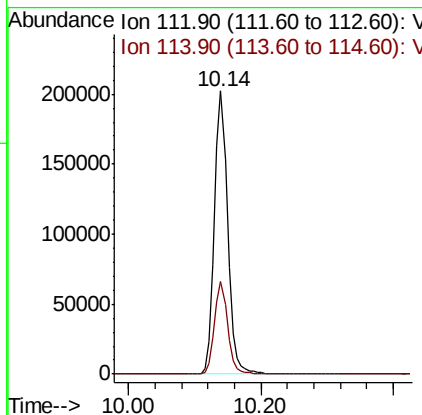
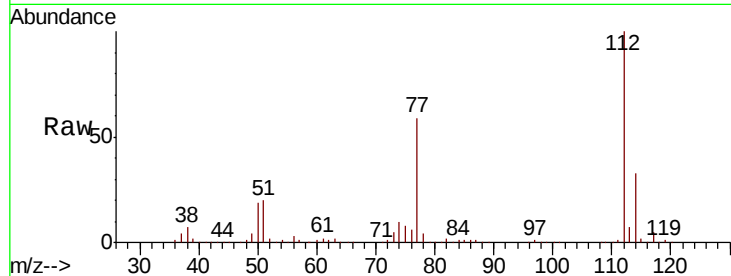
#65
Chlorobenzene
Concen: 48.983 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 278409
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

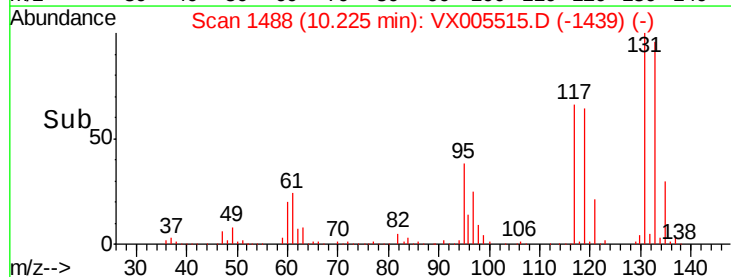
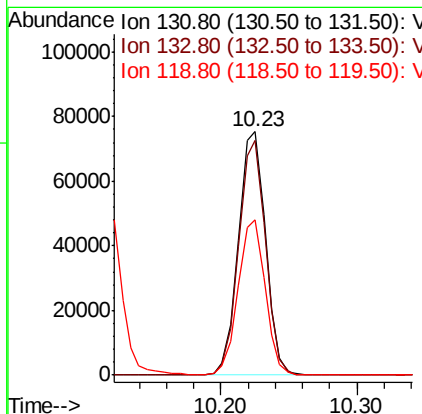
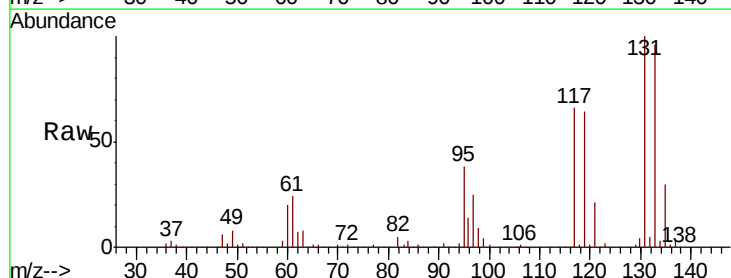
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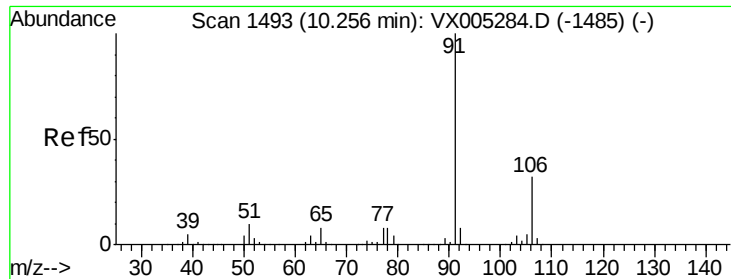
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.797 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion:131 Resp: 104915
Ion Ratio Lower Upper
131 100
133 94.8 48.1 144.4
119 63.6 32.9 98.6





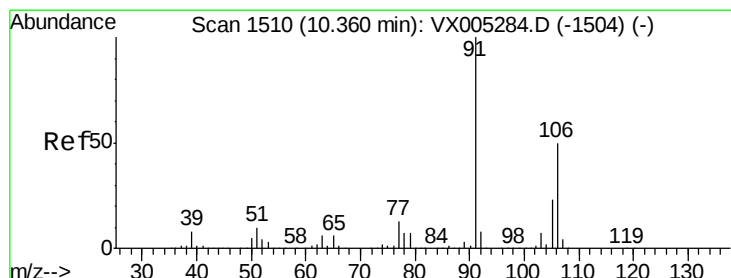
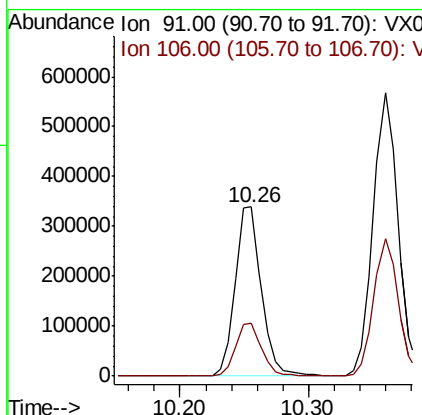
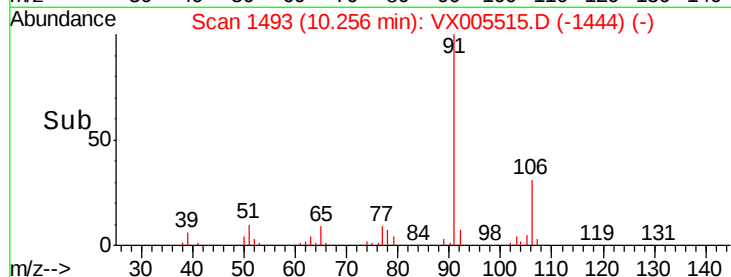
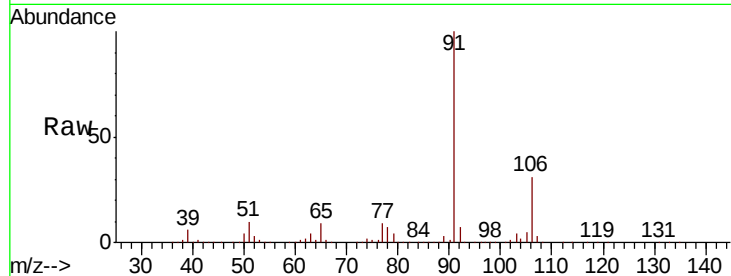
#67
Ethyl Benzene
Concen: 52.087 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 481284
Ion Ratio Lower Upper
91 100
106 31.2 25.9 38.9

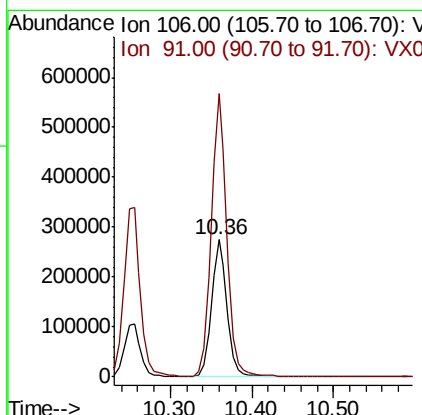
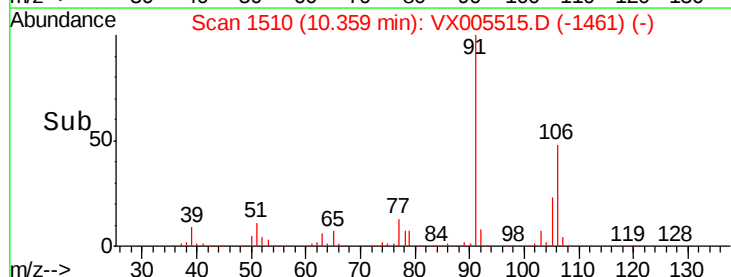
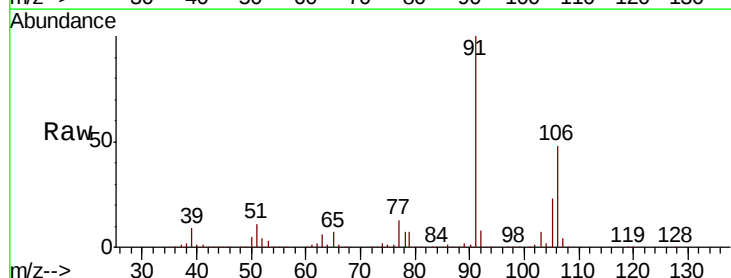
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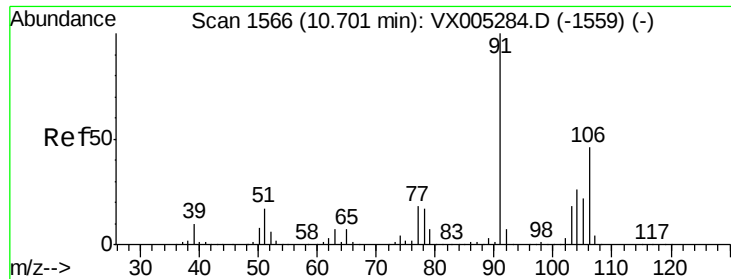
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#68
m/p-Xylenes
Concen: 103.502 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion: 106 Resp: 371197
Ion Ratio Lower Upper
106 100
91 207.0 157.1 235.7





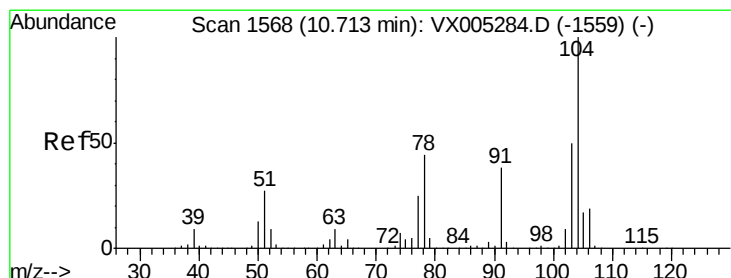
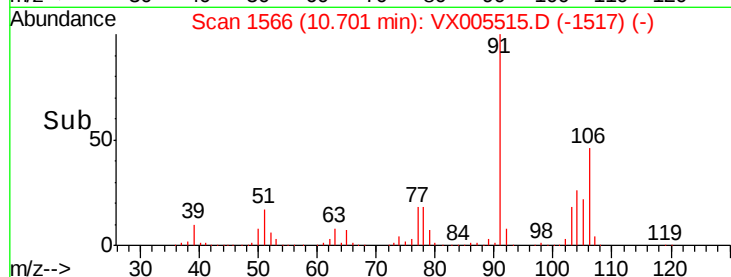
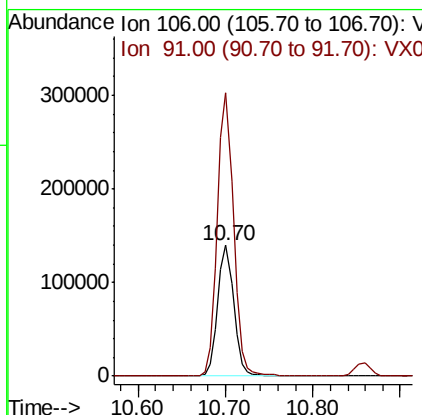
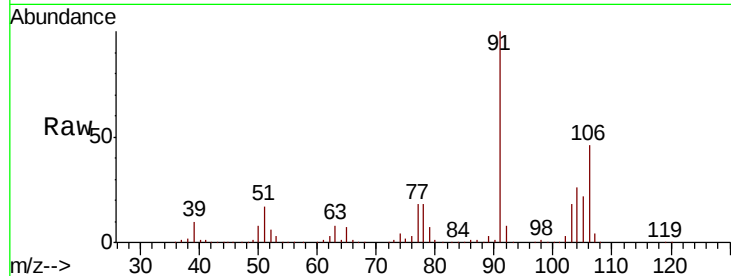
#69
o-Xylene
Concen: 51.577 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.1	105.1	315.1

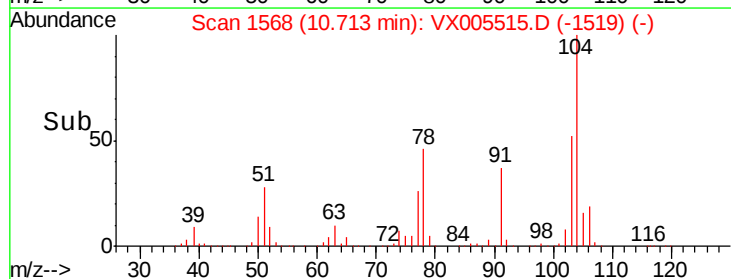
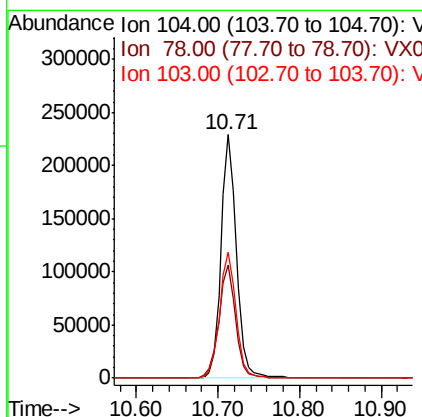
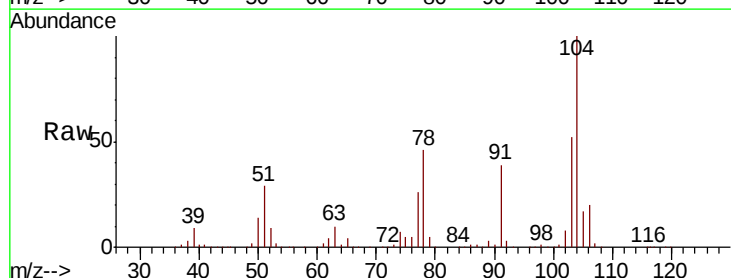
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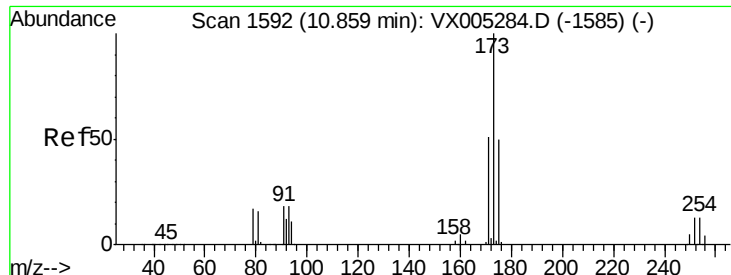
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#70
Styrene
Concen: 53.278 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	37.4	56.0
103	56.1	43.8	65.6





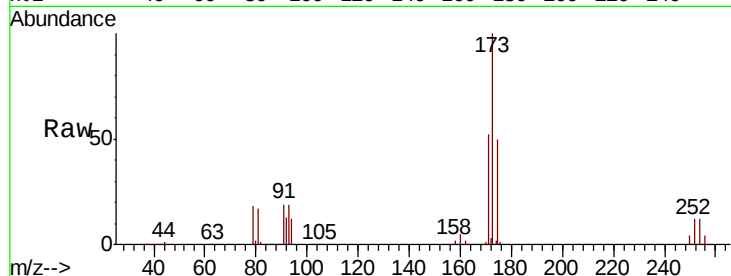
#71
Bromoform
Concen: 51.030 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

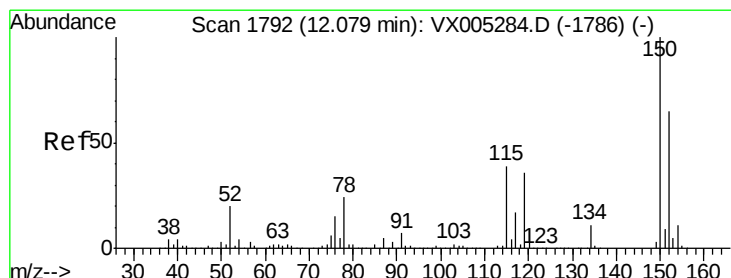
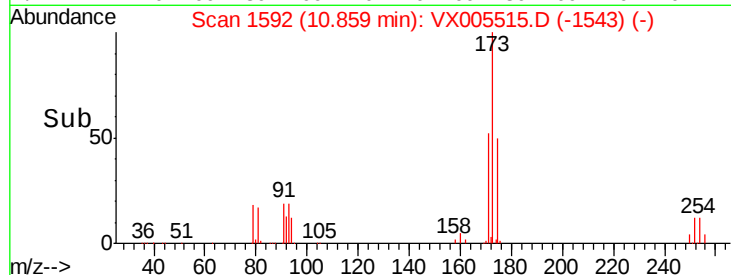
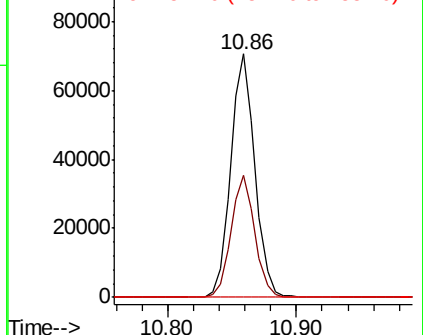
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.1	0.2	0.2#

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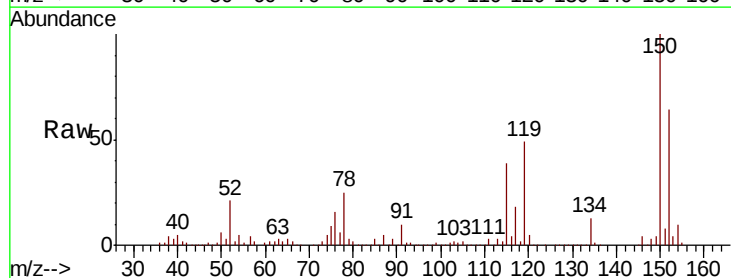


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

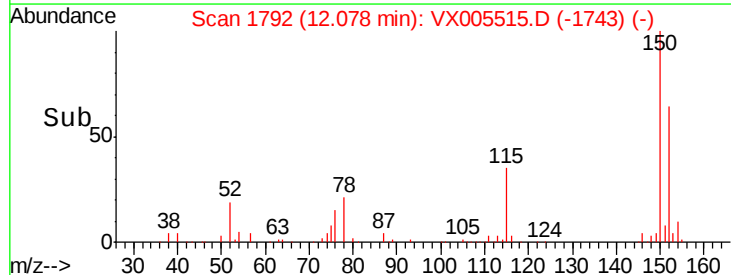
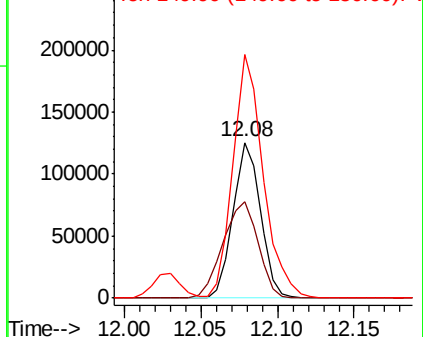


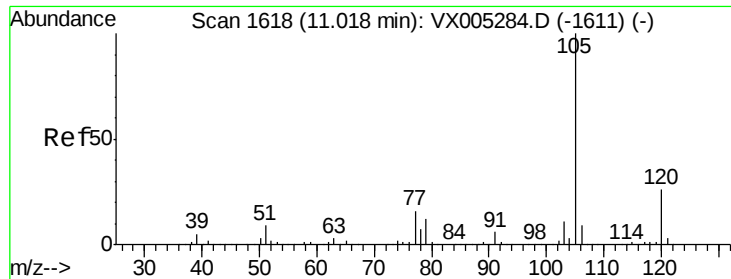
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.2	39.0	117.0
150	173.0	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: 53.738 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 499589

Ion Ratio Lower Upper

105 100

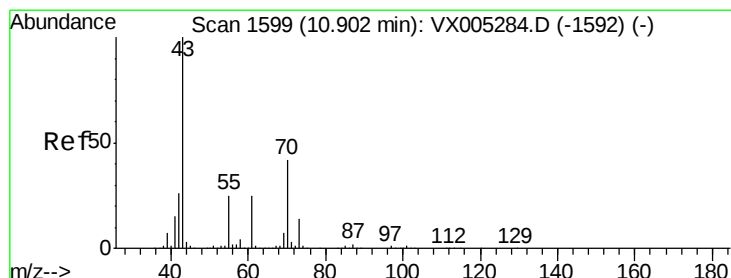
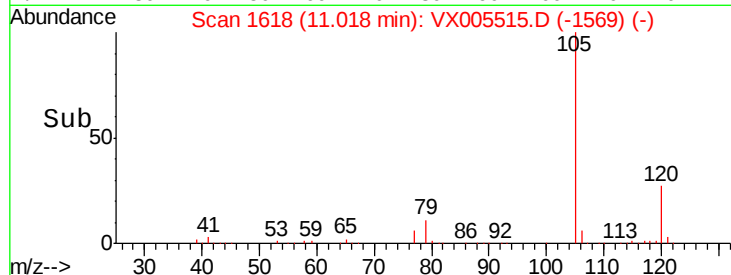
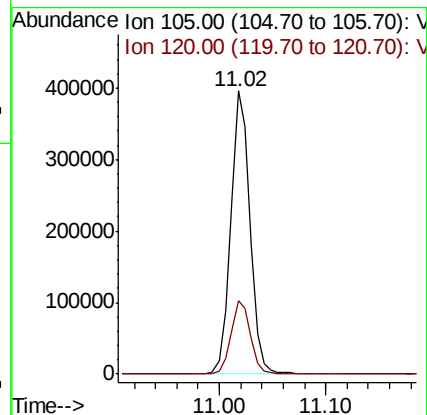
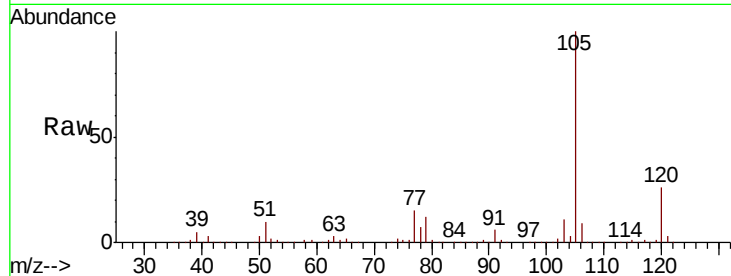
120 26.4 13.5 40.4

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#74

N-ethyl acetate

Concen: 54.019 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion: 43 Resp: 242219

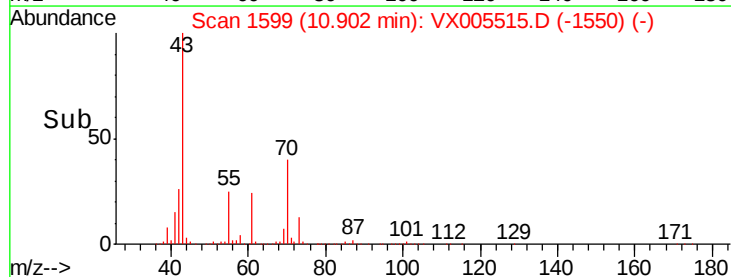
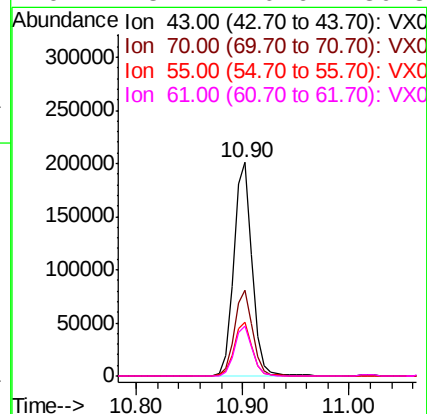
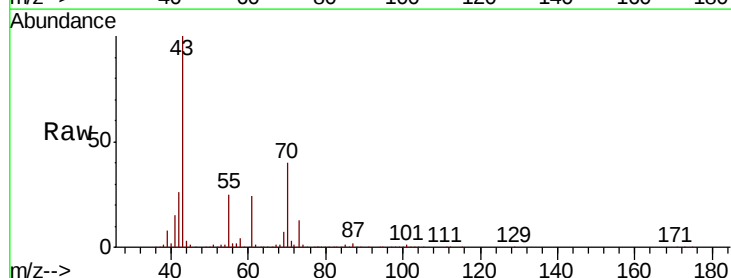
Ion Ratio Lower Upper

43 100

70 39.9 37.4 56.0

55 25.2 21.8 32.8

61 23.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.053 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 172028

Ion Ratio Lower Upper

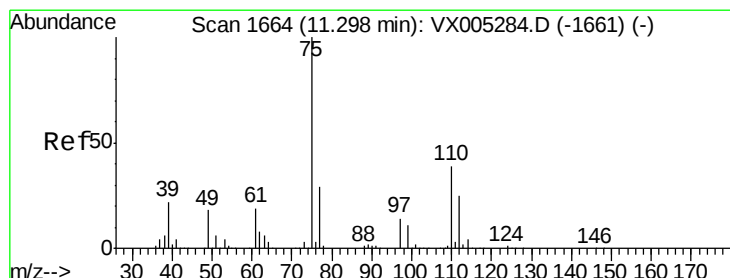
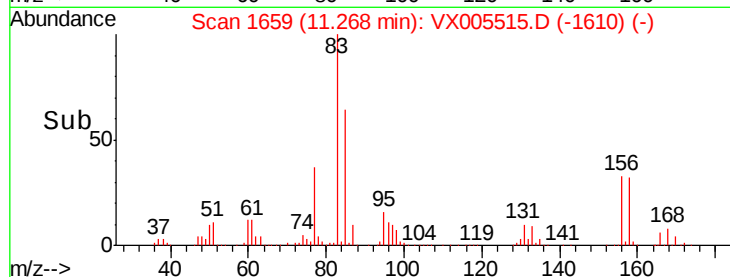
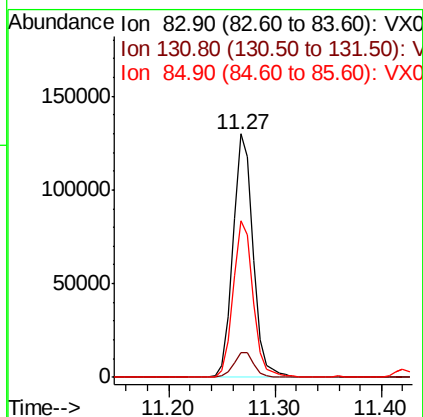
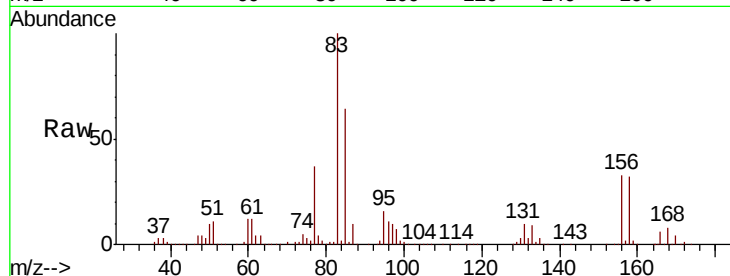
83 100

131 10.4 5.2 15.6

85 64.2 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 52.737 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005515.D

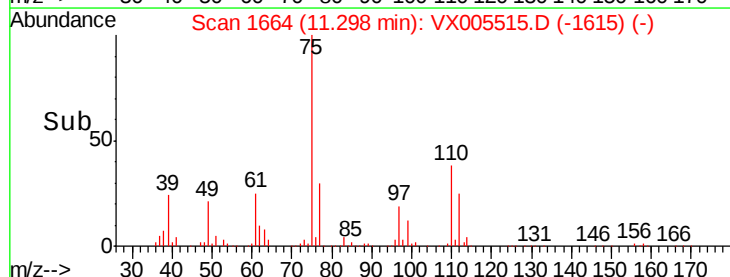
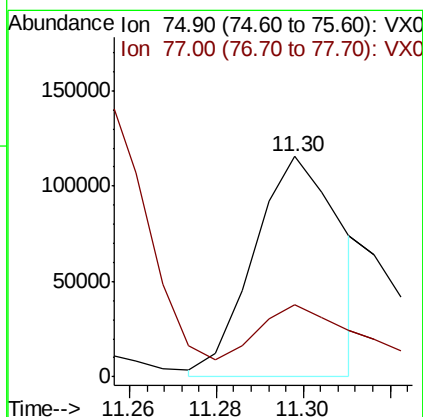
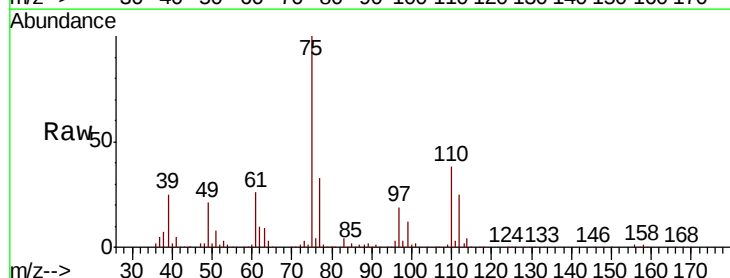
Acq: 23 Oct 2018 12:13

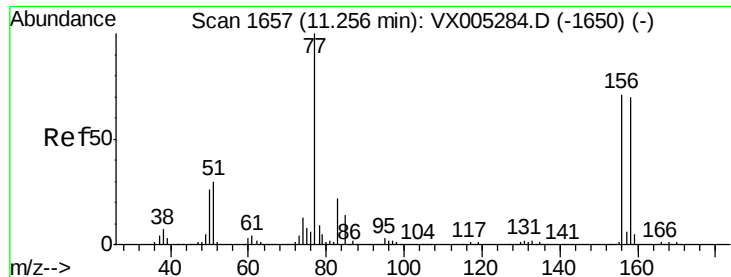
Tgt Ion: 75 Resp: 159976

Ion Ratio Lower Upper

75 100

77 41.5 20.2 60.6





#77

Bromobenzene

Concen: 49.480 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

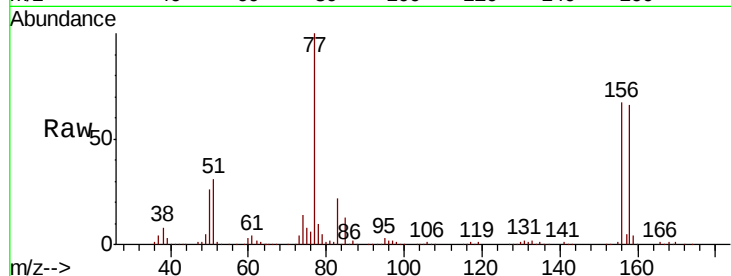
ClientSampleId :

VSTDCCC050

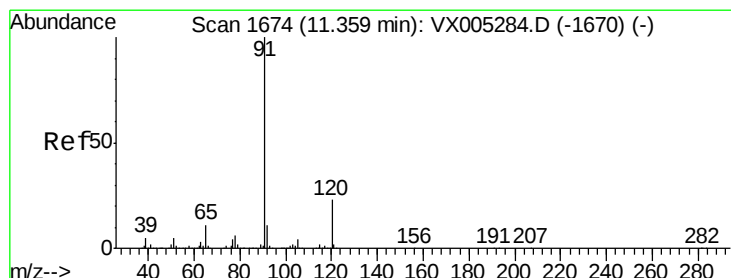
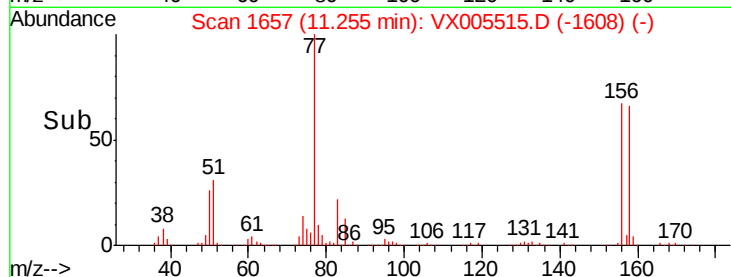
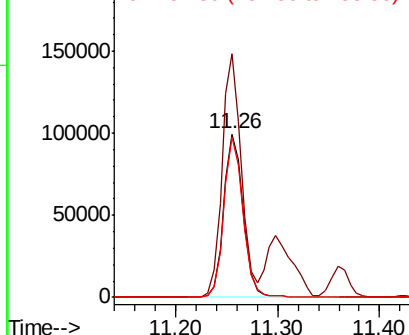
Tot Ion:	156	Resp:	131526
Ion Ratio	Lower	Upper	
156	100		
77	147.1	71.5	214.3
158	96.8	48.9	146.8

Manual Integrations
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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: 54.112 ug/l

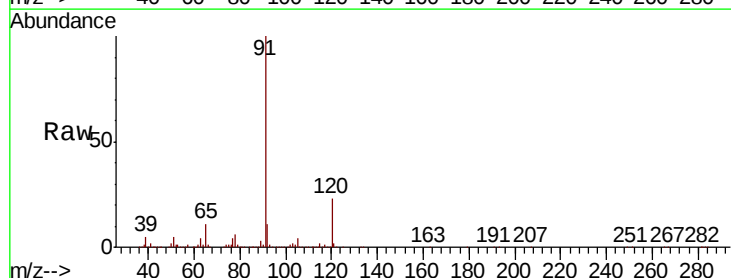
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

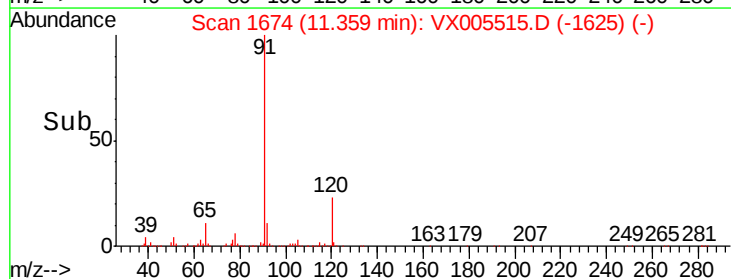
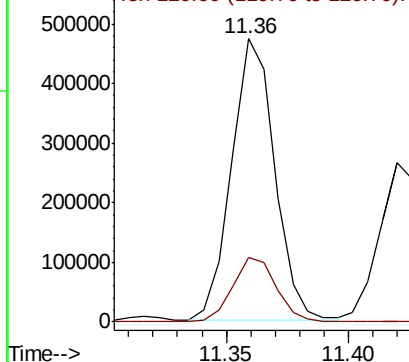
Lab File: VX005515.D

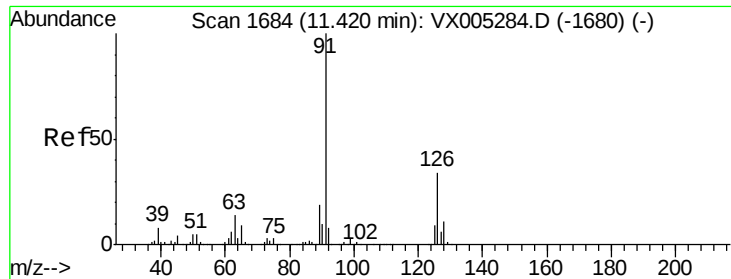
Acq: 23 Oct 2018 12:13

Tgt Ion:	91	Resp:	578898
Ion Ratio	Lower	Upper	
91	100		
120	23.6	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: 52.123 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 341502

Ion Ratio Lower Upper

91 100

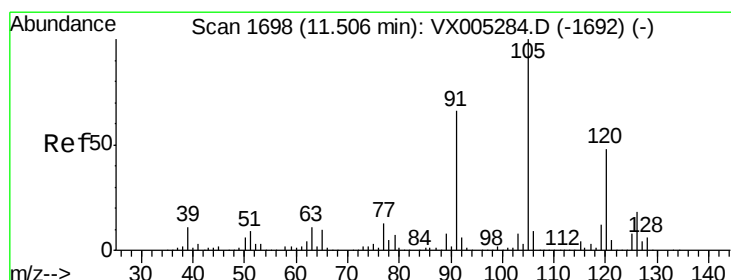
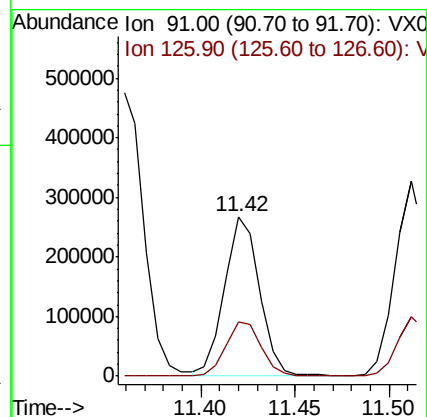
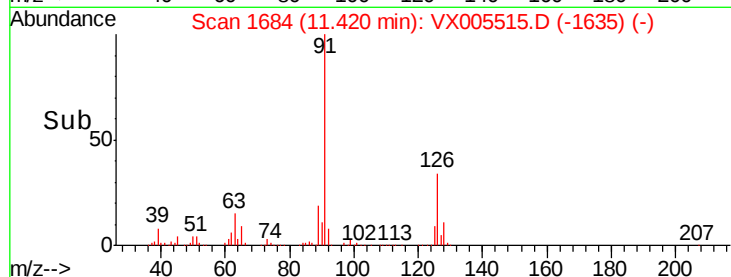
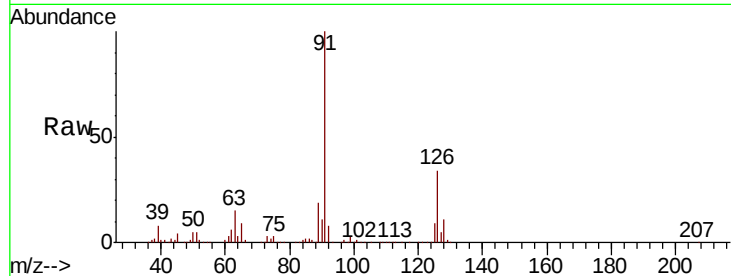
126 35.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.834 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005515.D

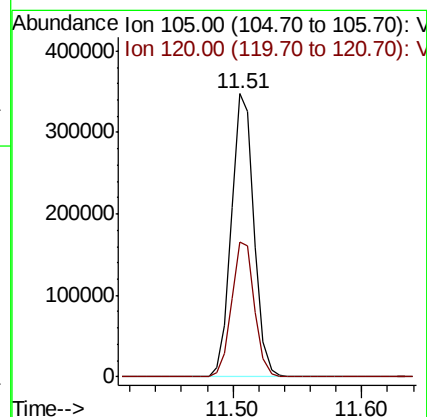
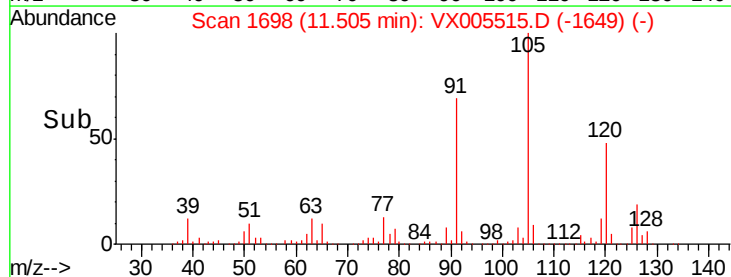
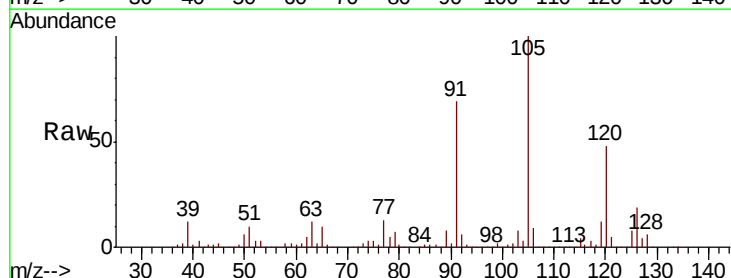
Acq: 23 Oct 2018 12:13

Tgt Ion: 105 Resp: 428578

Ion Ratio Lower Upper

105 100

120 48.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.797 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

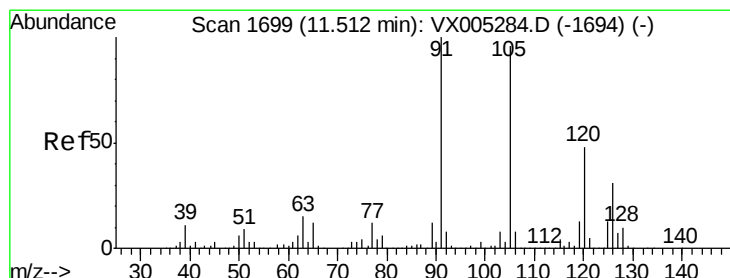
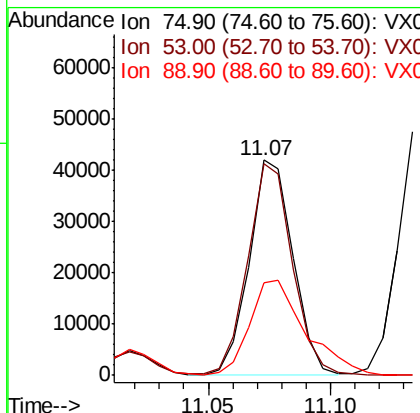
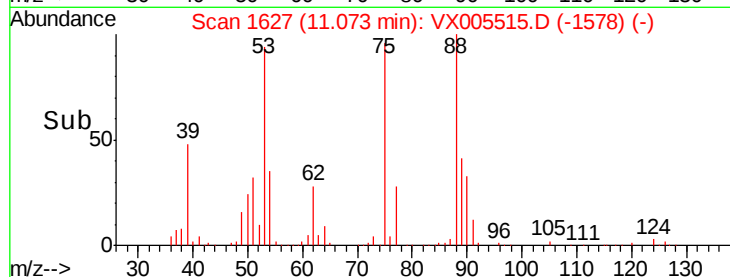
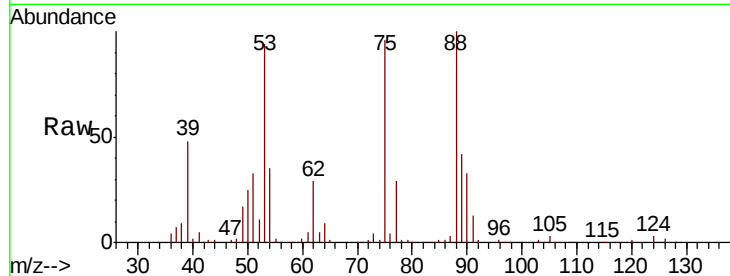
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	80.1	120.1
89	57.3	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.550 ug/l

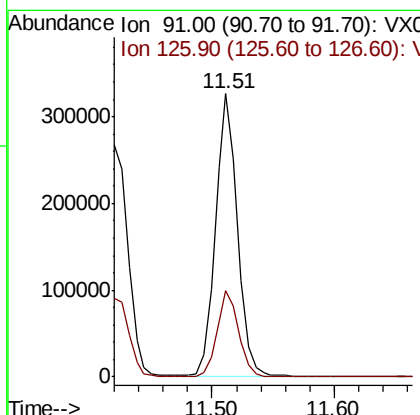
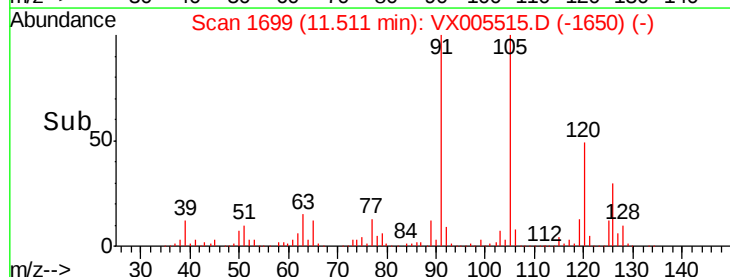
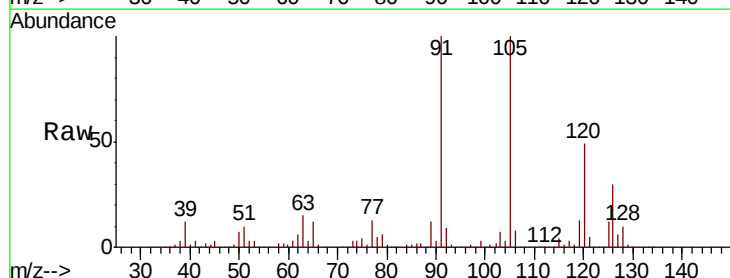
RT: 11.51 min Scan# 1699

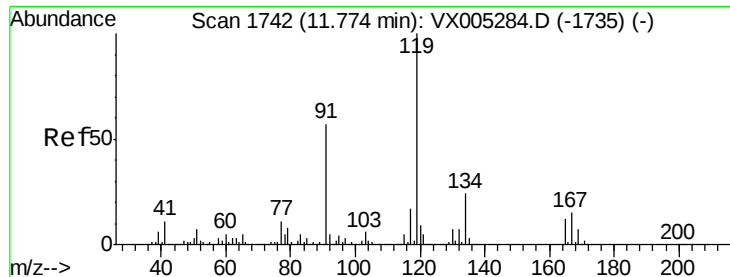
Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.5	46.5





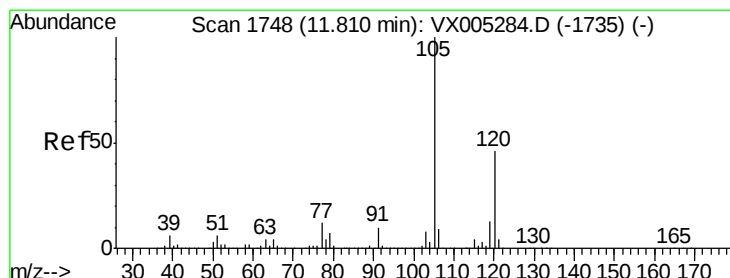
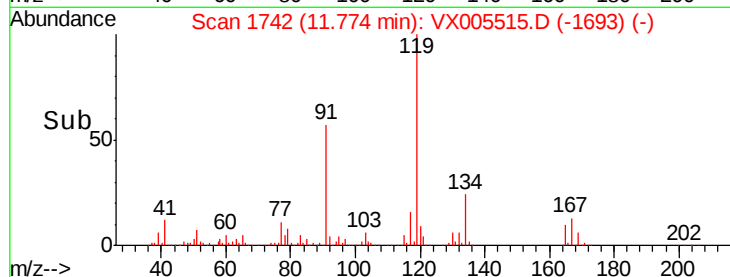
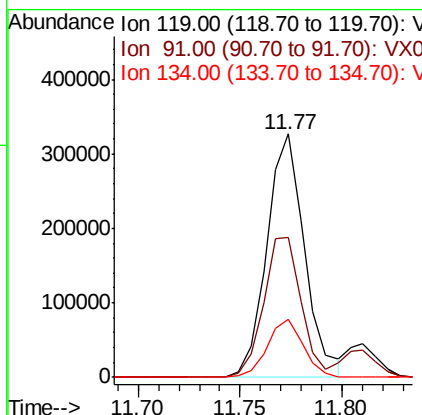
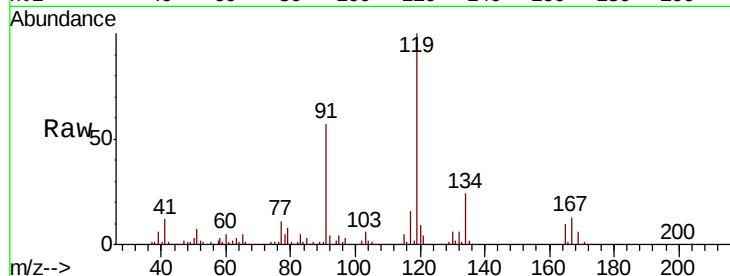
#83
tert-Butylbenzene
Concen: 52.192 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	27.0	81.0
134	22.6	11.7	35.1

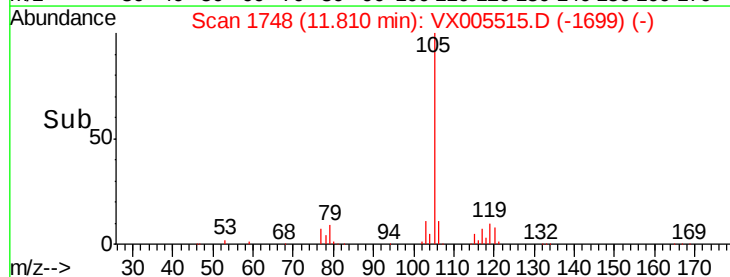
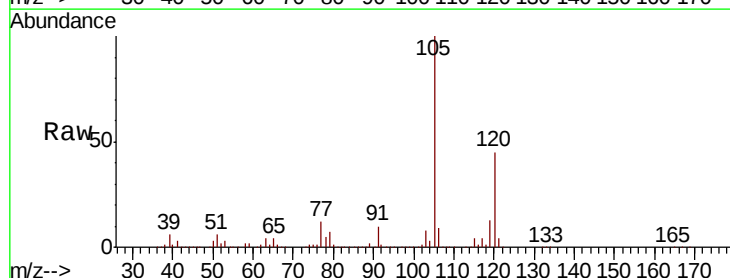
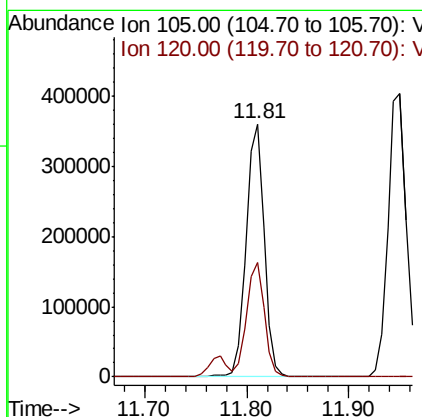
Manual Integrations
APPROVED

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#84
1,2,4-Trimethylbenzene
Concen: 54.091 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 53.953 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 514746

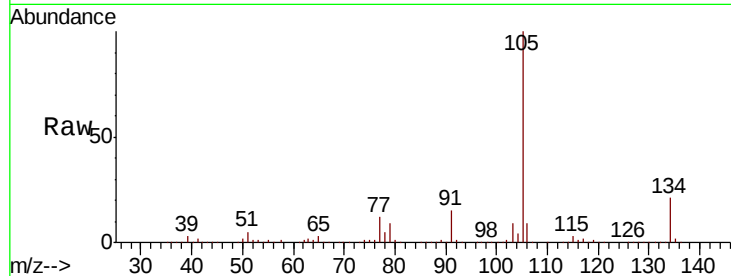
Ion Ratio Lower Upper

105 100

134 20.2 10.5 31.5

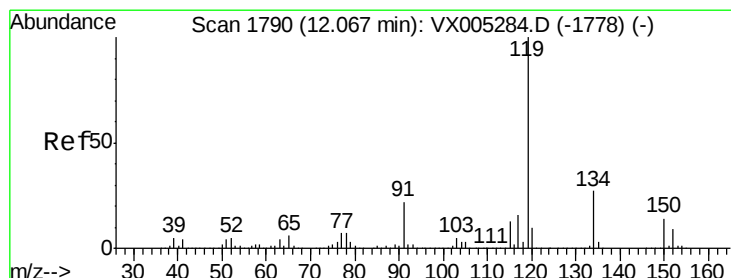
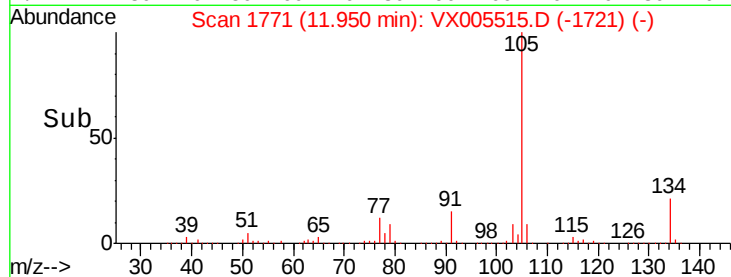
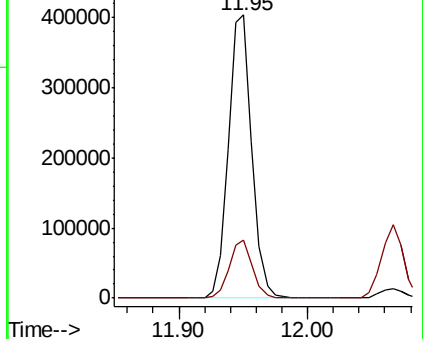
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.023 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

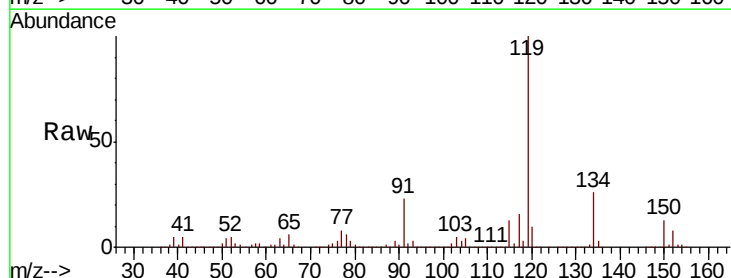
Tgt Ion:119 Resp: 465848

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

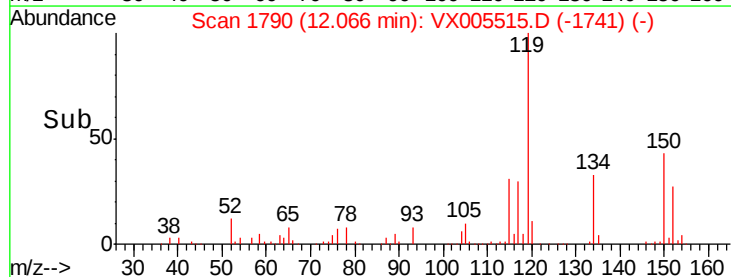
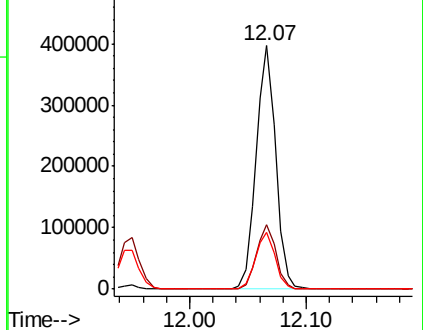
91 23.5 10.9 32.7

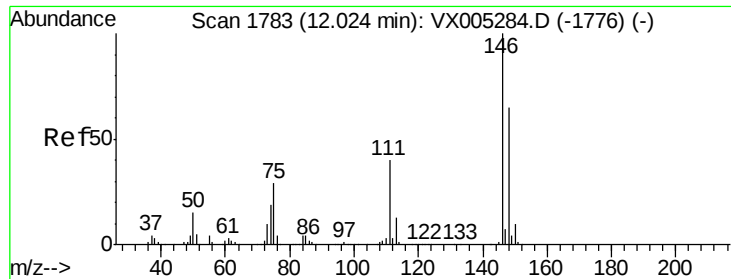


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 49.704 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Instrument :

MSVOA_X

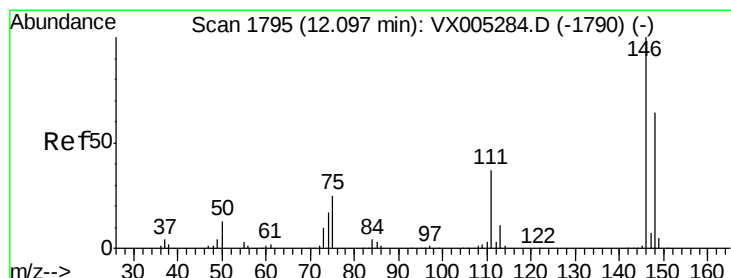
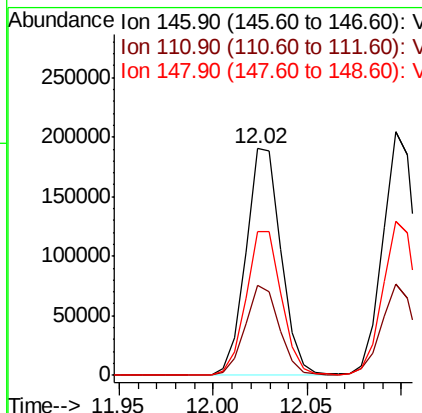
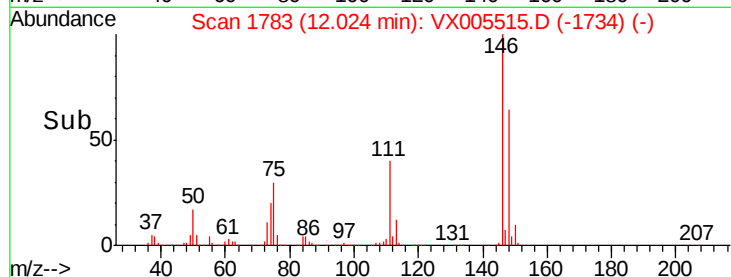
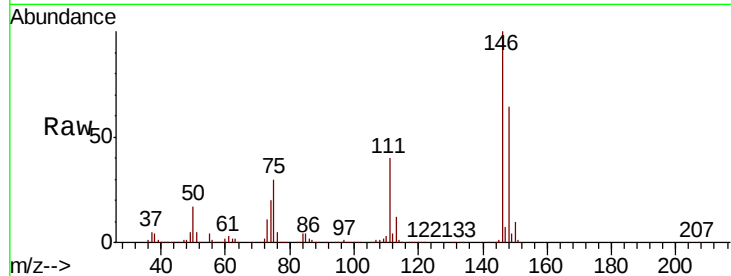
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	246885
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.7	56.1
148	63.9	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 49.650 ug/l

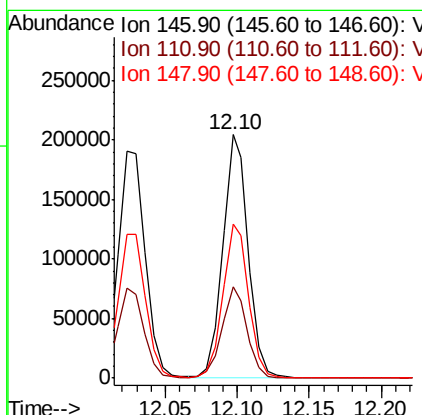
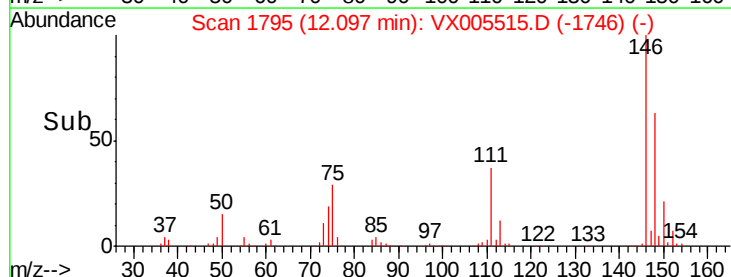
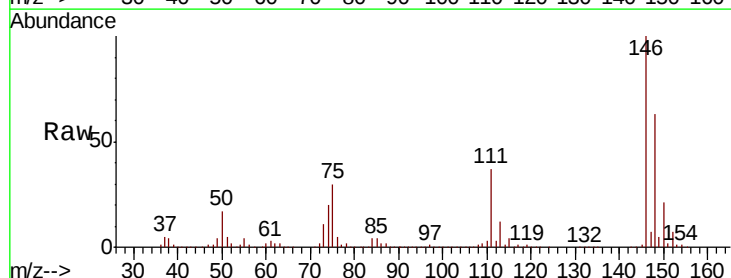
RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005515.D

Acq: 23 Oct 2018 12:13

Tgt Ion:	146	Resp:	252292
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.1	54.1
148	64.4	32.0	96.0





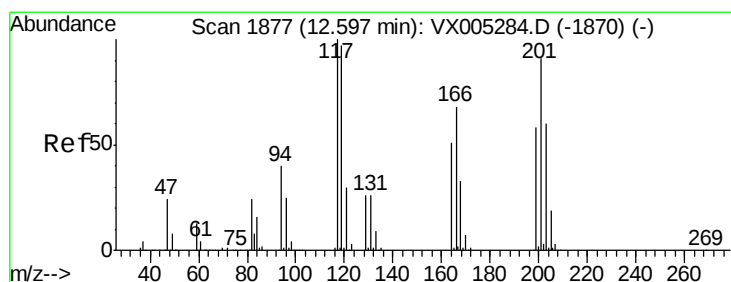
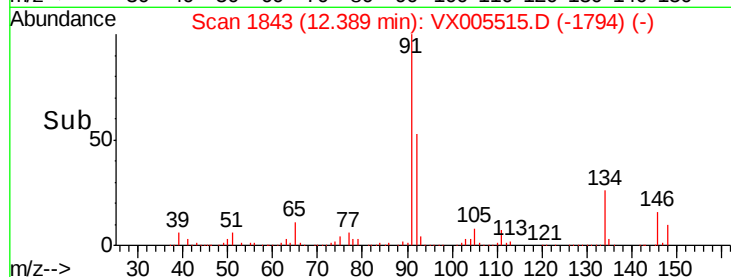
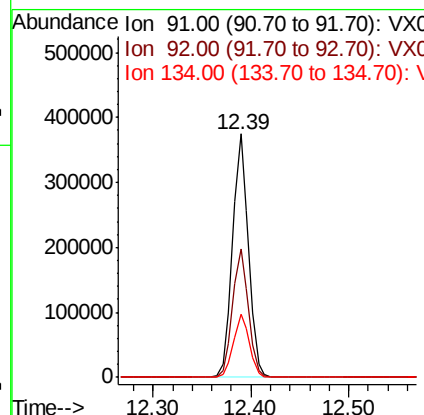
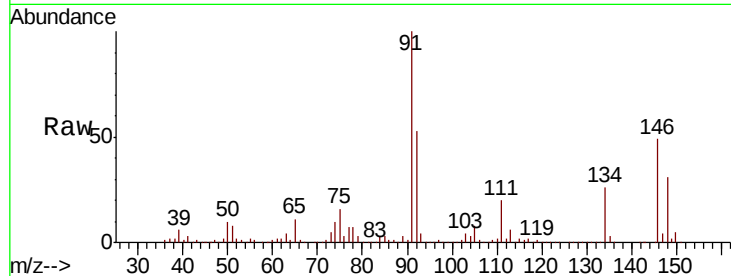
#89
n-Butylbenzene
Concen: 53.793 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.3	81.9
134	26.3	13.6	40.7

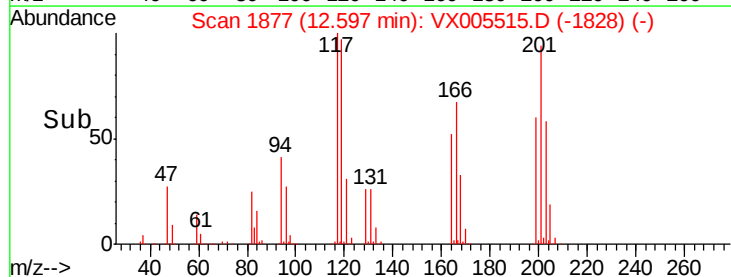
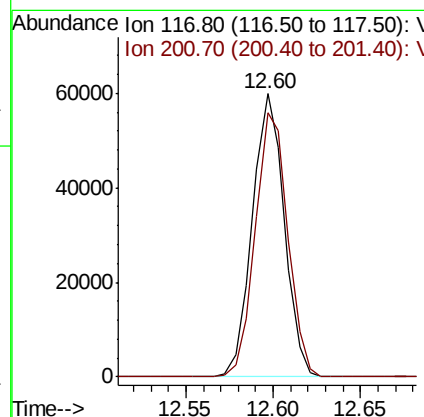
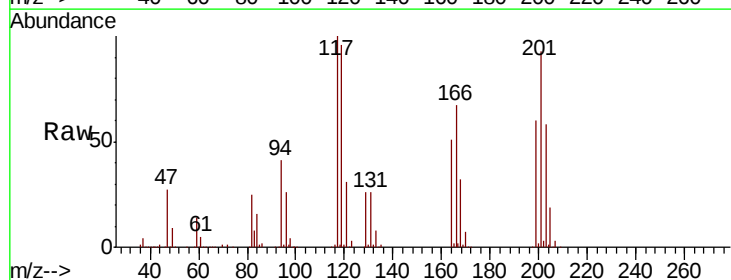
Manual Integrations
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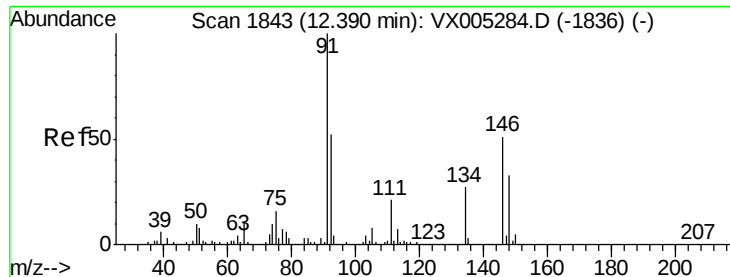
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#90
Hexachloroethane
Concen: 51.070 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.1	46.9	140.6





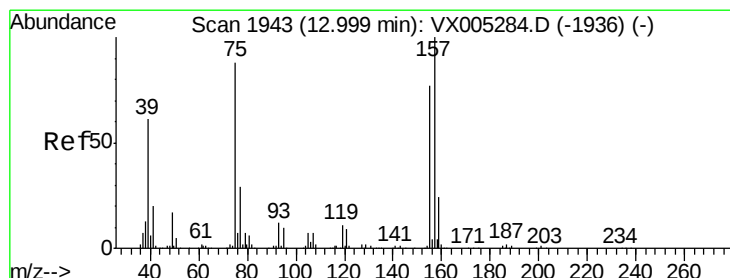
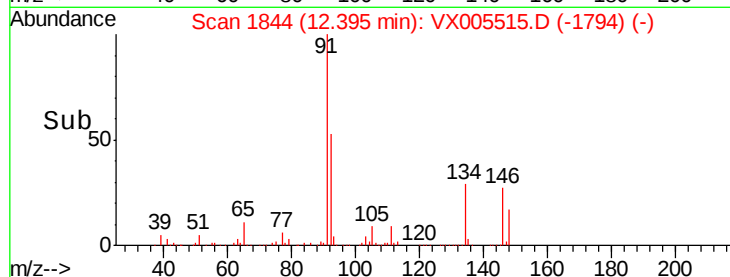
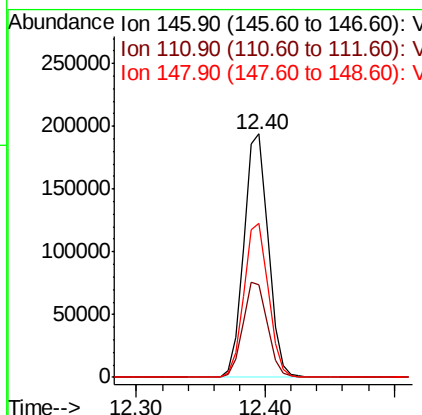
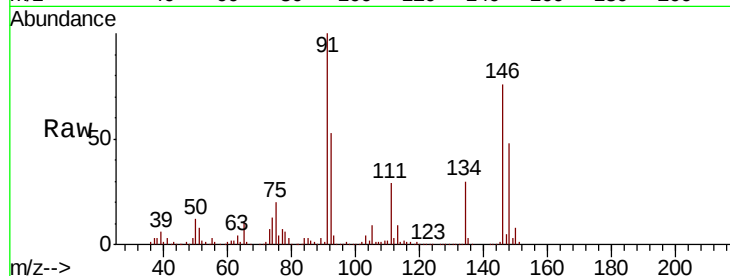
#91
 1,2-Dichlorobenzene
 Concen: 49.591 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.1
148	63.4	32.8	98.3

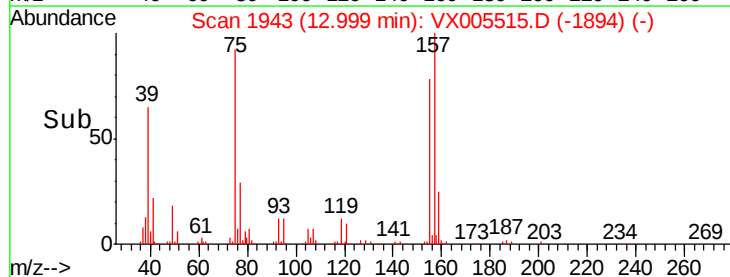
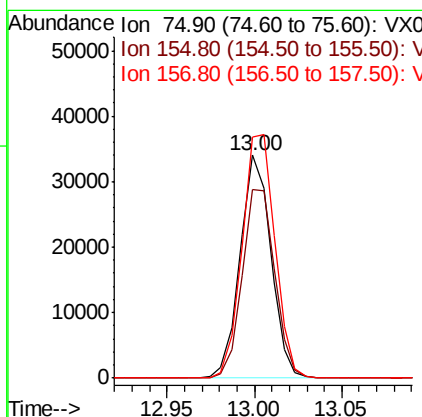
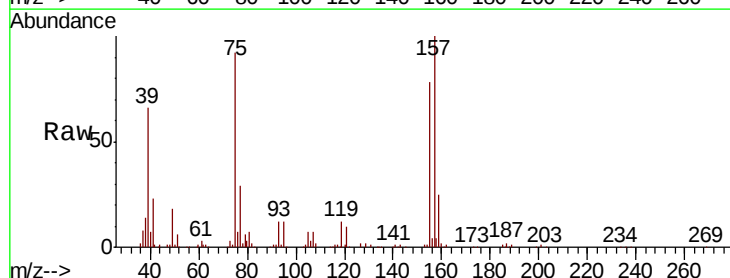
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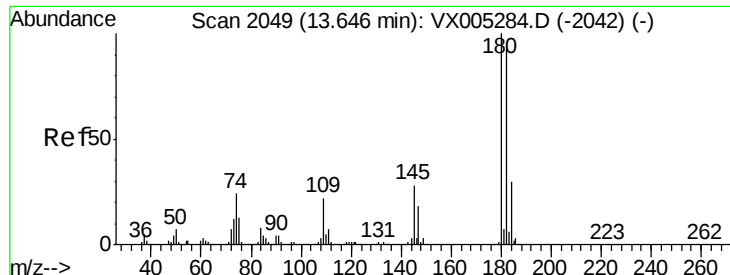
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.930 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005515.D
 Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	48.0	144.2
157	116.3	61.4	184.1





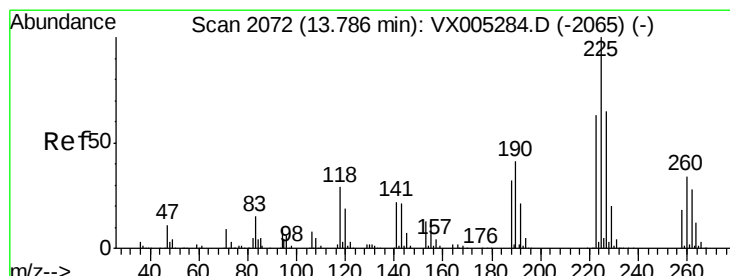
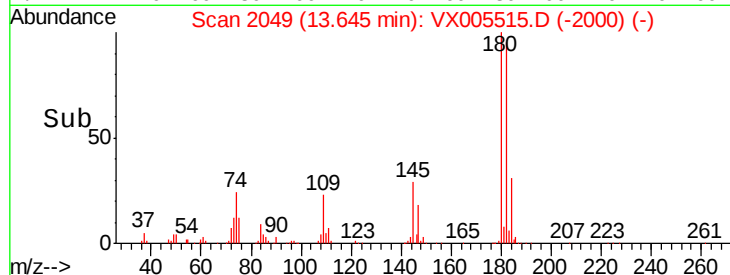
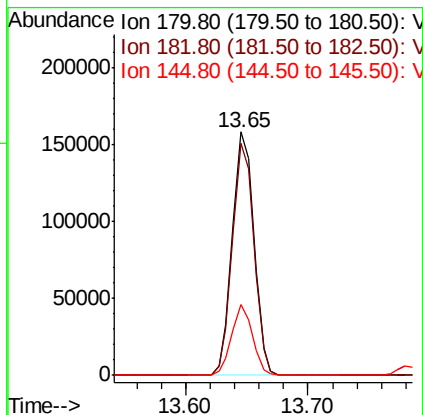
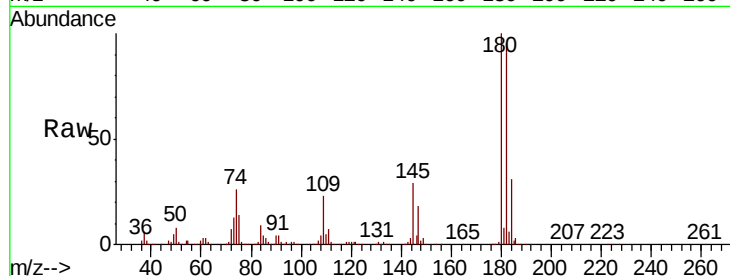
#93
1,2,4-Trichlorobenzene
Concen: 51.921 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	193087		
182	94.9	48.4	145.0	
145	28.0	14.3	42.9	

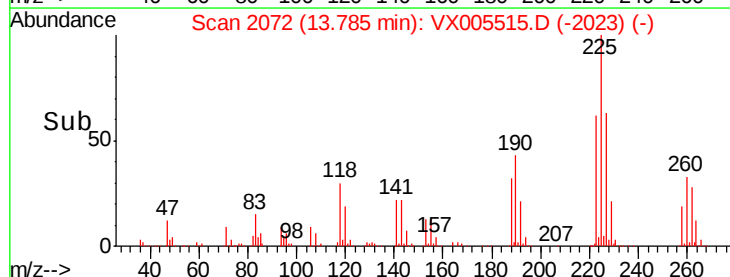
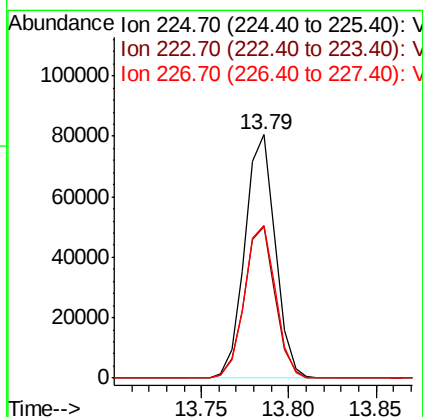
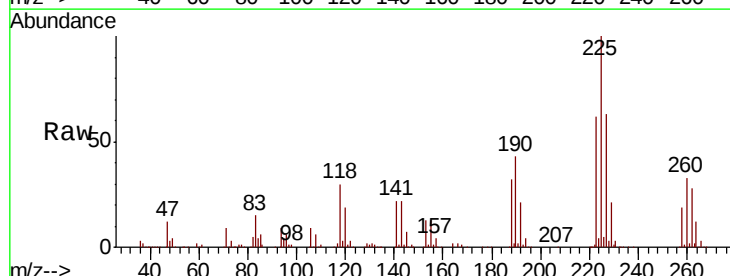
Manual Integrations
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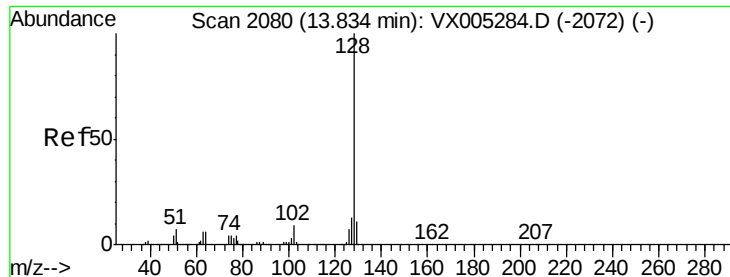
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#94
Hexachlorobutadiene
Concen: 49.518 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97258		
223	62.4	30.1	90.5	
227	64.0	30.8	92.4	





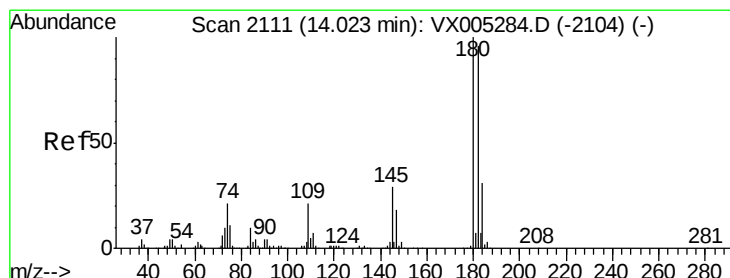
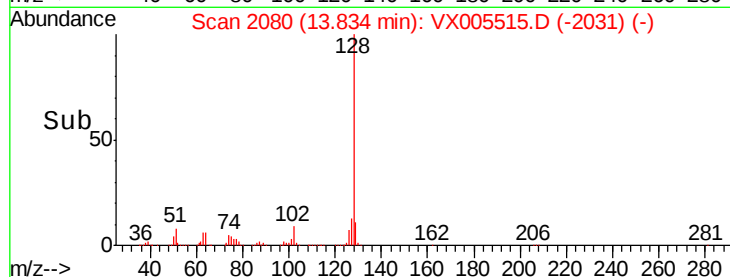
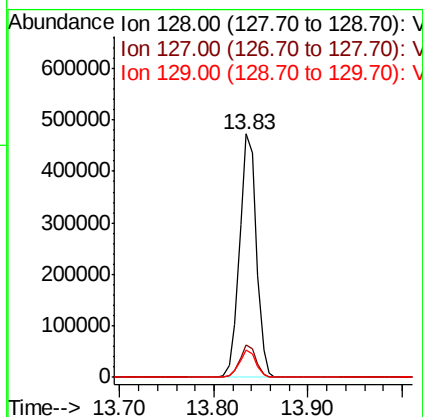
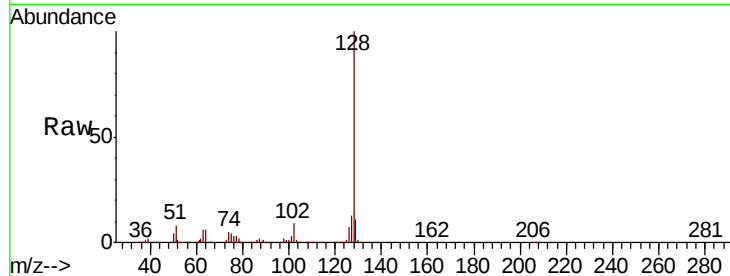
#95
Naphthalene
Concen: 54.151 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:02:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.246 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005515.D
Acq: 23 Oct 2018 12:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.5	145.6
145	30.2	14.9	44.9

