

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005418.D
 Acq On : 18 Oct 2018 09:44
 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
 10/19/2018 1:51:27 PM

Quant Time: Oct 19 03:42:48 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	268376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	394190	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	348863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	140491	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	5.50	113	115551	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
50) Toluene-d8	8.71	98	440234	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.14	95	167415	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	107297	51.134	ug/l	98
3) Chloromethane	1.32	50	142270	46.791	ug/l	99
4) Vinyl Chloride	1.41	62	147193	47.789	ug/l	100
5) Bromomethane	1.64	94	91864	52.776	ug/l	97
6) Chloroethane	1.71	64	93415	51.494	ug/l	98
7) Trichlorofluoromethane	1.92	101	214625	52.216	ug/l	96
8) Diethyl Ether	2.19	74	89356	50.909	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	130221	54.891	ug/l	95
10) Methyl Iodide	2.51	142	145169	55.518	ug/l	99
11) Tert butyl alcohol	3.07	59	200964	239.184	ug/l	100
12) 1,1-Dichloroethene	2.37	96	119923	51.020	ug/l	98
13) Acrolein	2.29	56	168269	314.402	ug/l	97
14) Allyl chloride	2.73	41	257960	49.986	ug/l	96
15) Acrylonitrile	3.15	53	458354	240.736	ug/l	98
16) Acetone	2.45	43	482981	280.449	ug/l	97
17) Carbon Disulfide	2.57	76	333270	46.804	ug/l	99
18) Methyl Acetate	2.78	43	252549	51.545	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	441452	53.326	ug/l	97
20) Methylene Chloride	2.85	84	137940	55.104	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	129298	49.637	ug/l	95
22) Diisopropyl ether	3.87	45	468119	54.006	ug/l	95
23) Vinyl Acetate	3.82	43	2064975	272.565	ug/l	96
24) 1,1-Dichloroethane	3.70	63	256331	51.599	ug/l	98
25) 2-Butanone	4.70	43	627857	249.176	ug/l	95
26) 2,2-Dichloropropane	4.58	77	196399	52.863	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	139007	49.102	ug/l	95
28) Bromochloromethane	5.01	49	112648	49.742	ug/l	96
29) Tetrahydrofuran	5.15	42	374904	233.255	ug/l	94
30) Chloroform	5.21	83	232539	50.432	ug/l	99
31) Cyclohexane	5.57	56	205835	50.272	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	206200	51.395	ug/l	99
36) 1,1-Dichloropropene	5.80	75	175702	46.023	ug/l	99
37) Ethyl Acetate	4.85	43	214660	43.722	ug/l	98
38) Carbon Tetrachloride	5.78	117	183066	47.723	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	212561	51.444	ug/l #	85
40) Benzene	6.14	78	514830	44.954	ug/l	100
41) Methacrylonitrile	5.06	41	121592	46.196	ug/l	96
42) 1,2-Dichloroethane	6.20	62	186311	46.073	ug/l	98
43) Isopropyl Acetate	6.46	43	329708	50.413	ug/l	98
44) Trichloroethene	7.21	130	148909	50.935	ug/l	91
45) 1,2-Dichloropropane	7.51	63	140687	50.080	ug/l	99
46) Dibromomethane	7.66	93	89476	48.258	ug/l	97
47) Bromodichloromethane	7.90	83	176550	51.478	ug/l	99
48) Methyl methacrylate	7.77	41	171779	50.642	ug/l	95
49) 1,4-Dioxane	7.76	88	77938	996.180	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1149841	253.913	ug/l	95
52) Toluene	8.79	92	331106	52.846	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	204595	55.124	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	219521	54.586	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	138826	52.313	ug/l	97
56) Ethyl methacrylate	9.18	69	216178	55.879	ug/l	97
57) 1,3-Dichloropropane	9.37	76	227825	51.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	666830	307.347	ug/l	96
59) 2-Hexanone	9.49	43	961205	263.869	ug/l	95
60) Dibromochloromethane	9.58	129	148409	54.102	ug/l	99
61) 1,2-Dibromoethane	9.67	107	143406	51.491	ug/l	100
64) Tetrachloroethene	9.33	164	148736	52.959	ug/l	100
65) Chlorobenzene	10.14	112	381807	51.451	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	141404	53.472	ug/l	99
67) Ethyl Benzene	10.25	91	648968	53.795	ug/l	97
68) m/p-Xylenes	10.36	106	511365	109.211	ug/l	96
69) o-Xylene	10.70	106	244168	54.070	ug/l	97
70) Styrene	10.71	104	413381	55.655	ug/l	98
71) Bromoform	10.86	173	127053	53.764	ug/l #	99
73) Isopropylbenzene	11.02	105	670042	55.070	ug/l	100
74) N-amyl acetate	10.90	43	308000	52.484	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	225427	49.115	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	213459m	53.767	ug/l	
77) Bromobenzene	11.26	156	181451	52.157	ug/l	99
78) n-propylbenzene	11.36	91	777984	55.565	ug/l	100
79) 2-Chlorotoluene	11.42	91	454274	52.977	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	578999	55.570	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	69327	53.059	ug/l	94
82) 4-Chlorotoluene	11.51	91	545804	53.695	ug/l	100
83) tert-Butylbenzene	11.77	119	581671	55.129	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	596685	55.648	ug/l	98
85) sec-Butylbenzene	11.94	105	701429	56.175	ug/l	99
86) p-Isopropyltoluene	12.07	119	640239	56.730	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	344036	52.922	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	345634	51.972	ug/l	99
89) n-Butylbenzene	12.39	91	577581	56.366	ug/l	98
90) Hexachloroethane	12.60	117	102620	52.761	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	343135	51.724	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53382	47.680	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	275229	56.549	ug/l	98
94) Hexachlorobutadiene	13.78	225	141967	55.228	ug/l	97
95) Naphthalene	13.83	128	789994	55.968	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	274273	55.075	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 268376

Ion Ratio Lower Upper

168 100

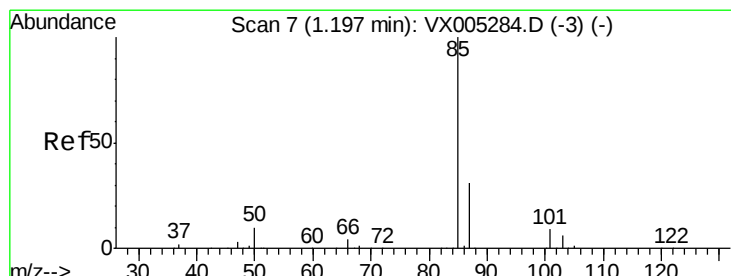
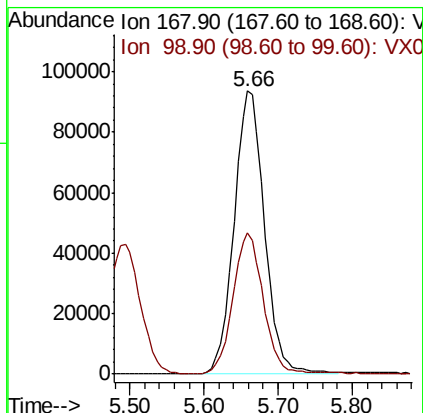
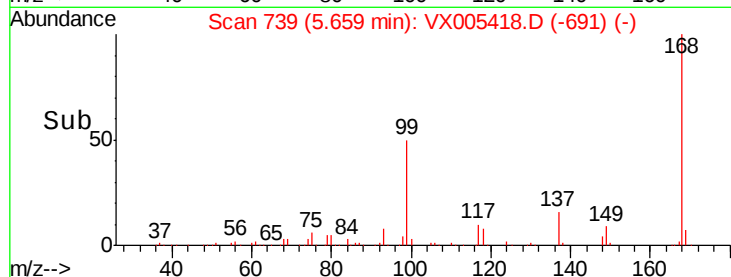
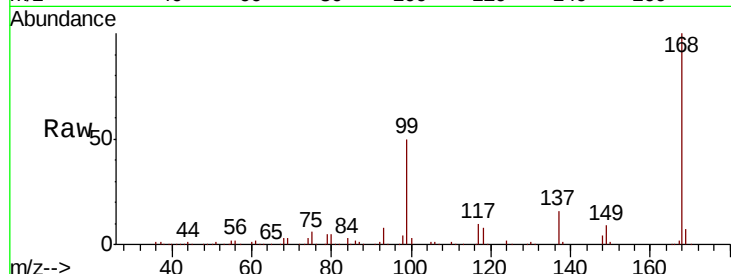
99 49.8 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 51.134 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005418.D

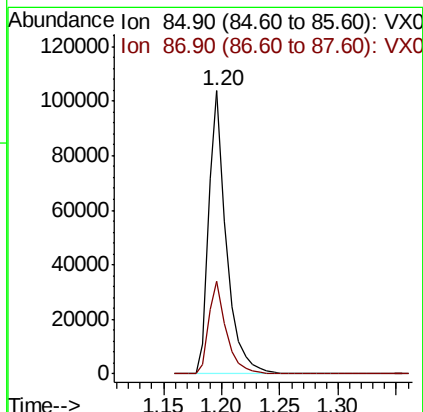
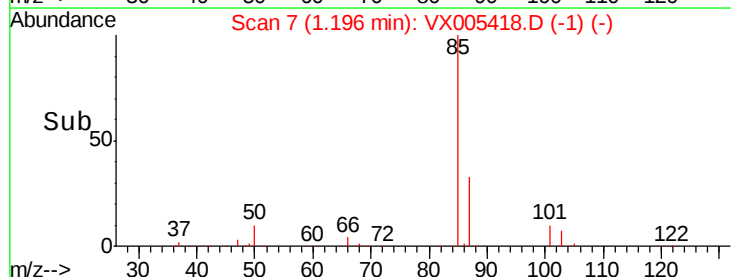
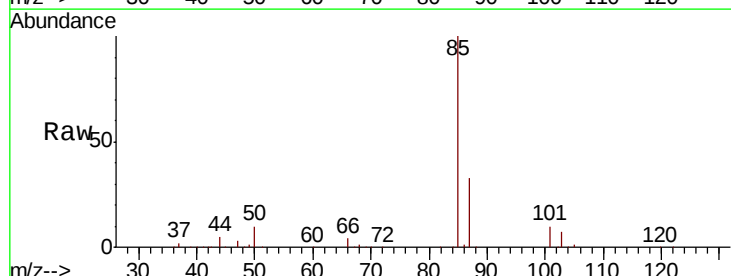
Acq: 18 Oct 2018 09:44

Tgt Ion: 85 Resp: 107297

Ion Ratio Lower Upper

85 100

87 32.9 17.0 50.9





#3

Chloromethane

Concen: 46.791 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 142270

Ion Ratio Lower Upper

50 100

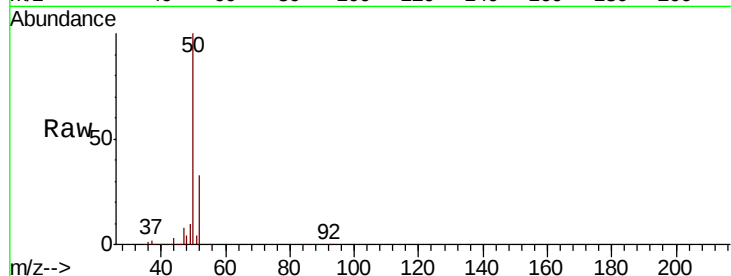
52 33.1 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

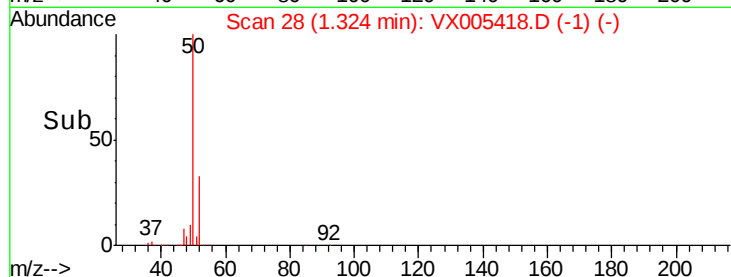
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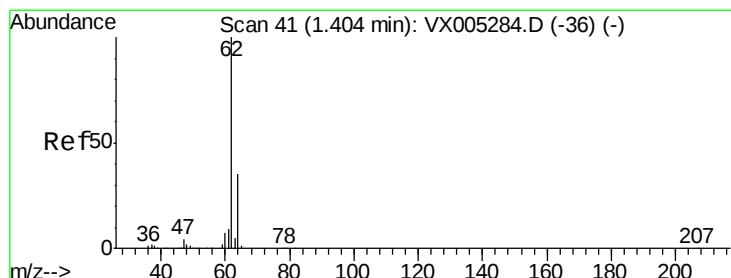
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 47.789 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005418.D

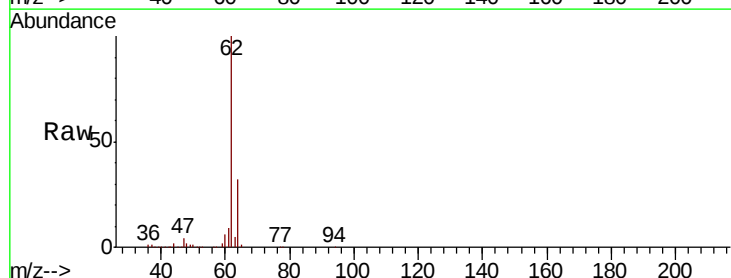
Acq: 18 Oct 2018 09:44

Tgt Ion: 62 Resp: 147193

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

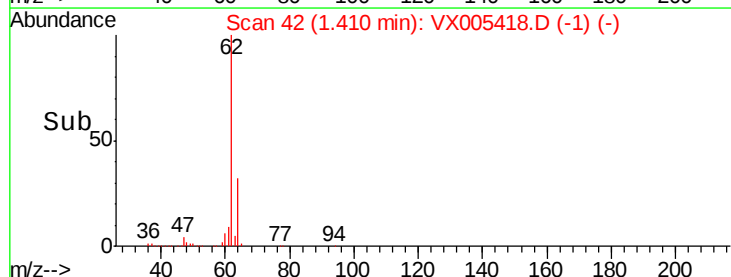
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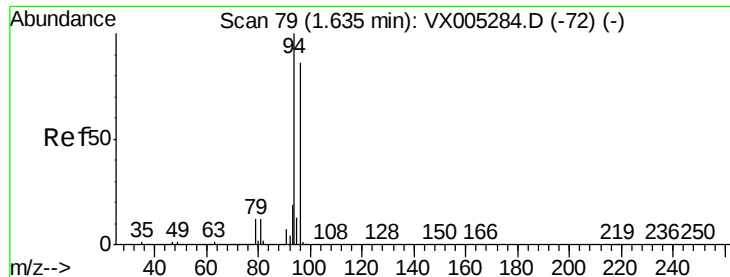
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Time-->



Time-->



#5

Bromomethane

Concen: 52.776 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tot Ion: 94 Resp: 91864

Ion Ratio Lower Upper

94 100

96 95.6 74.5 111.7

Instrument :

MSVOA_X

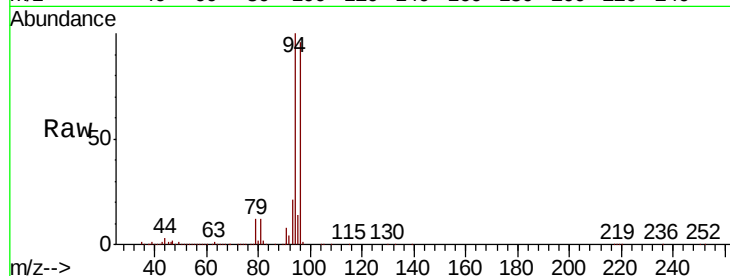
ClientSampleId :

VSTDCCC050

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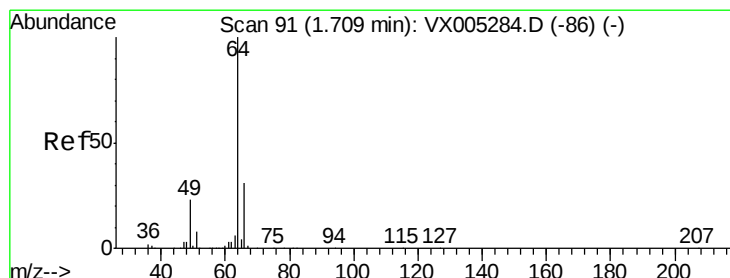
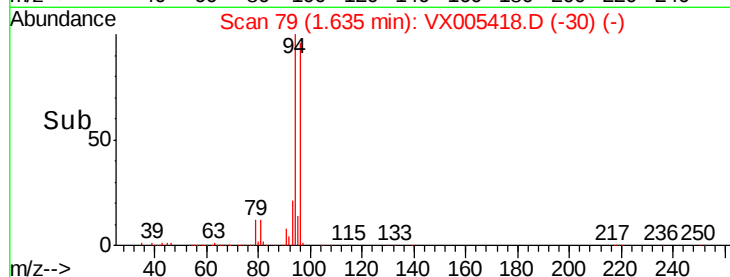
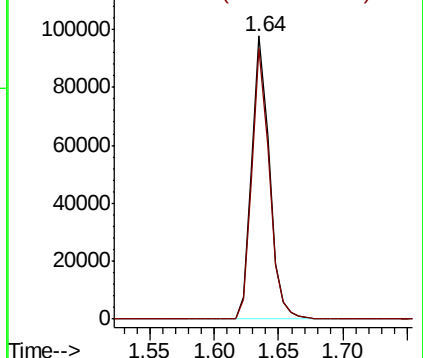
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.494 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005418.D

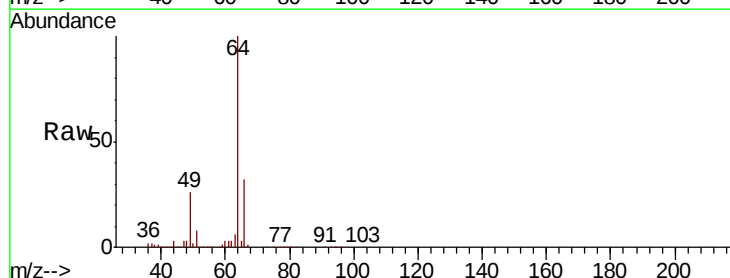
Acq: 18 Oct 2018 09:44

Tgt Ion: 64 Resp: 93415

Ion Ratio Lower Upper

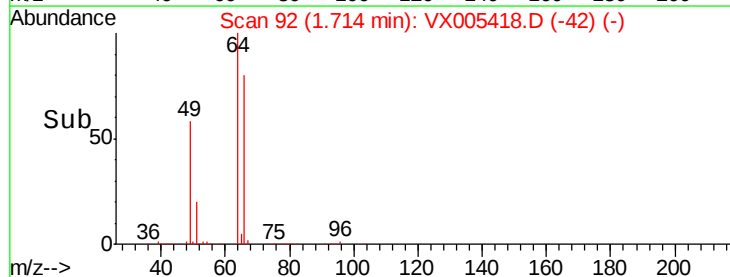
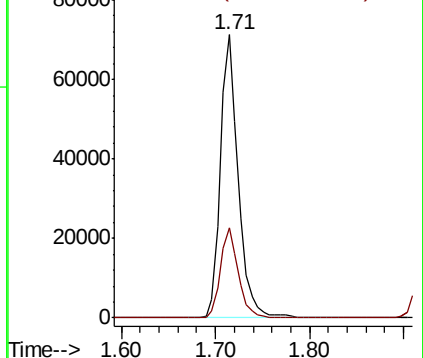
64 100

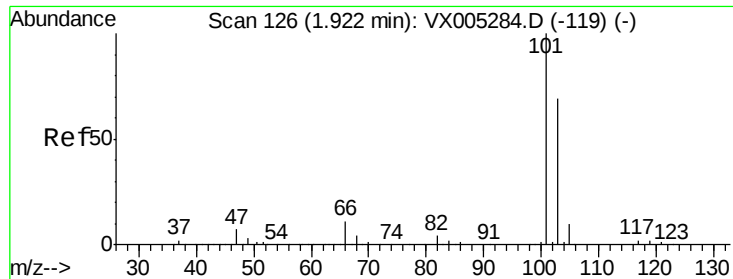
66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

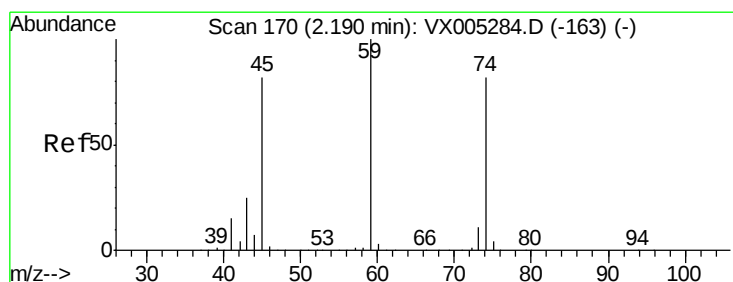
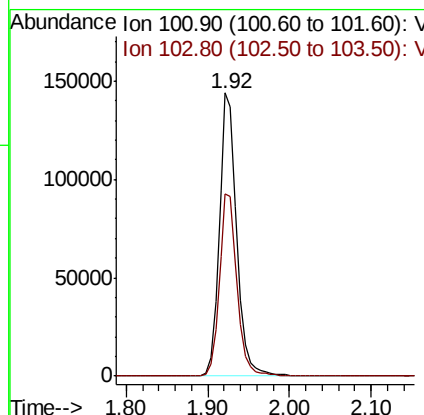
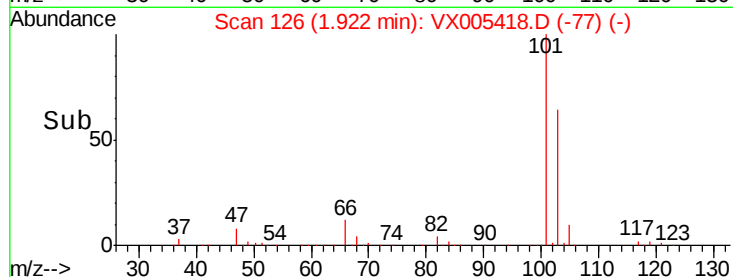
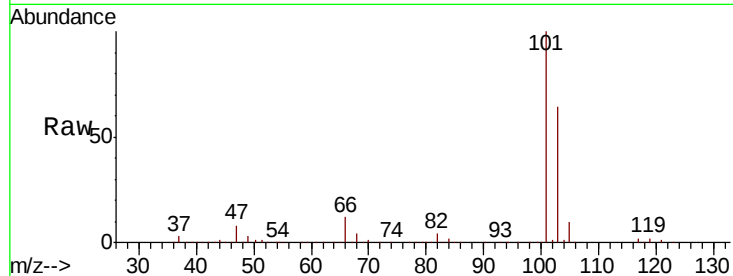
Trichlorofluoromethane
 Concen: 52.216 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	48.9	73.3

Manual Integrations
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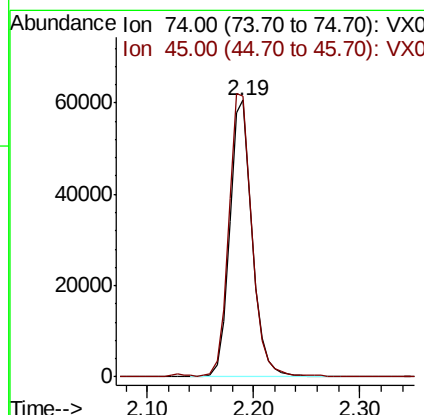
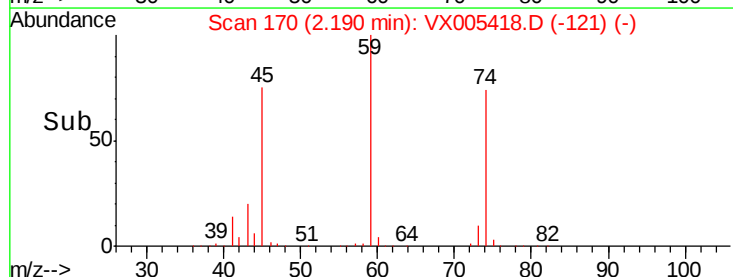
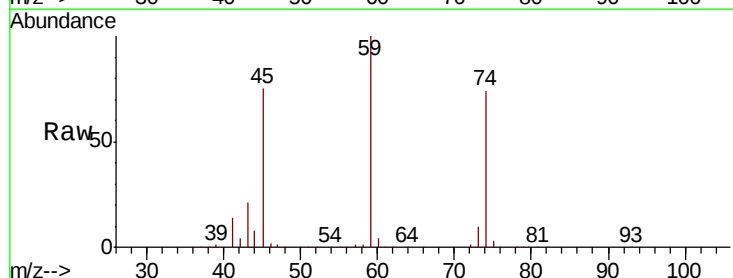
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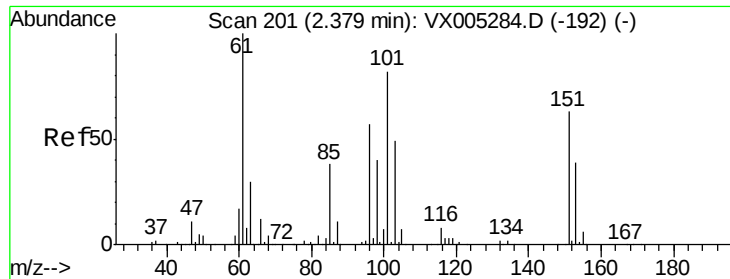


#8

Diethyl Ether
 Concen: 50.909 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.9	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.891 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

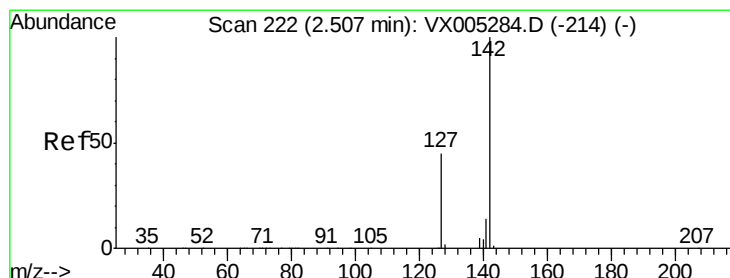
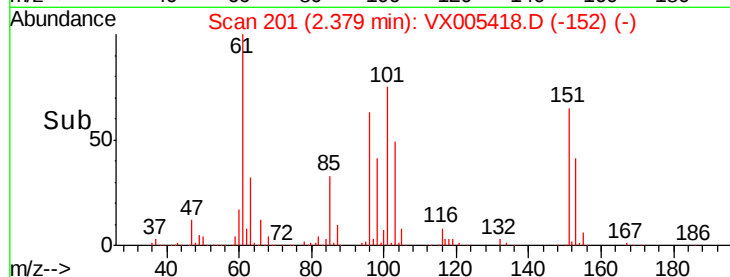
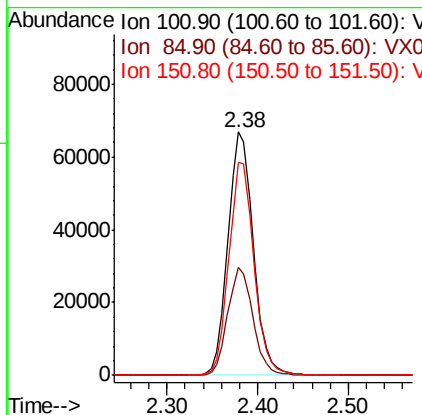
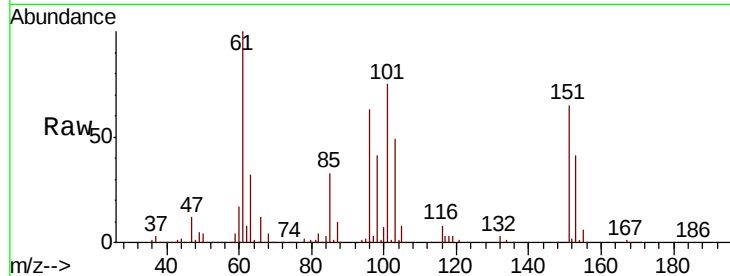
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	130221
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.2	51.4
151	86.9	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 55.518 ug/l

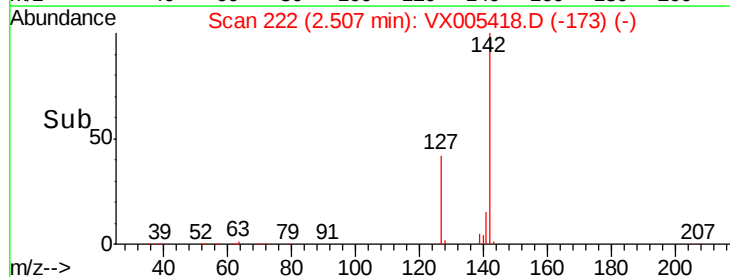
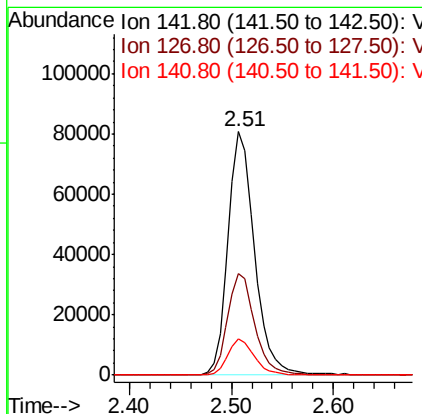
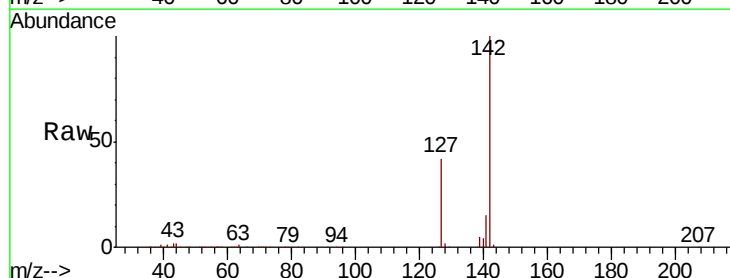
RT: 2.51 min Scan# 222

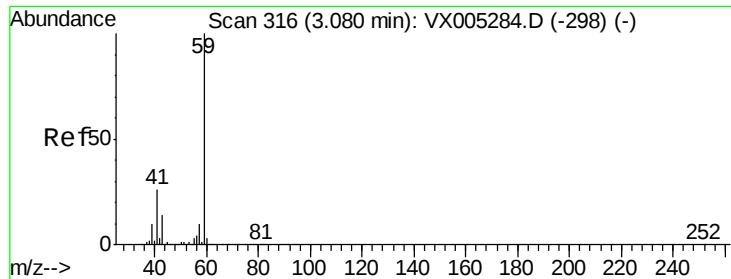
Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tgt Ion:	142	Resp:	145169
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.8	50.6
141	14.7	11.4	17.0





#11

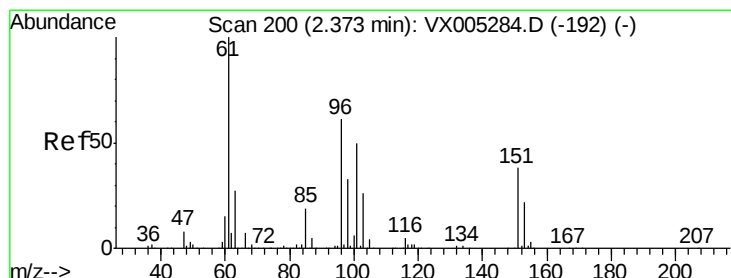
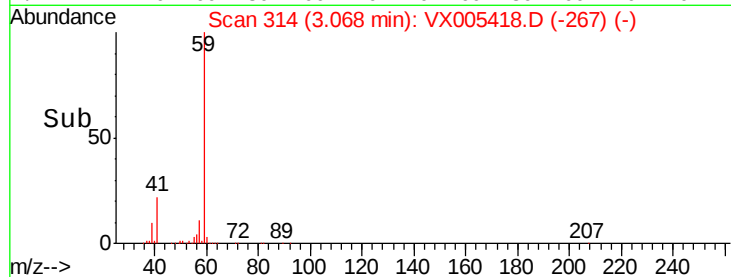
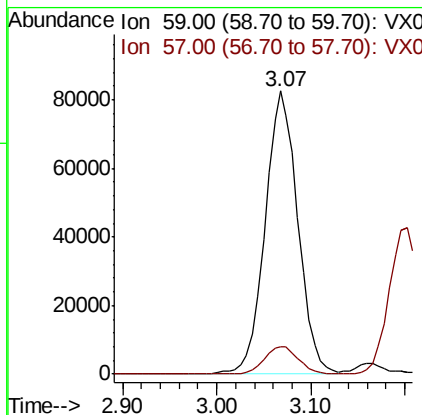
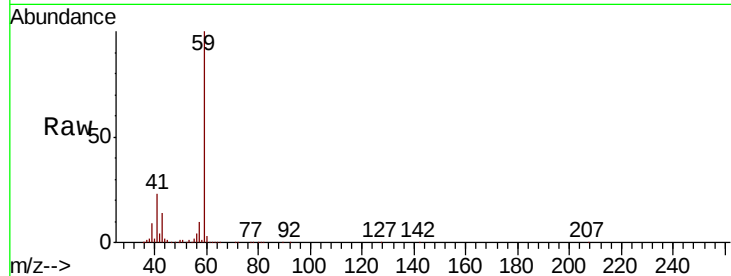
Tert butyl alcohol
Concen: 239.184 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 200964
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

Manual Integrations
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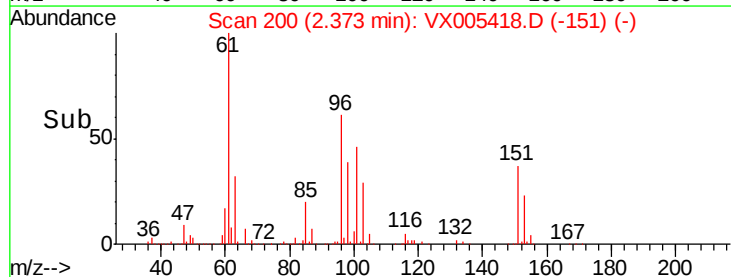
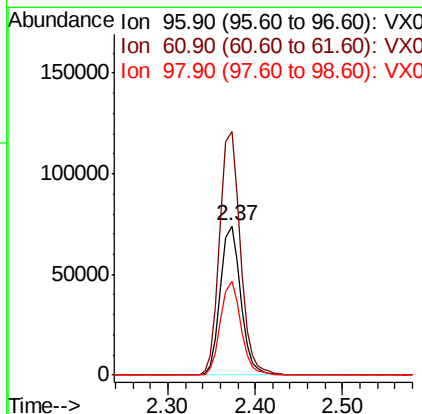
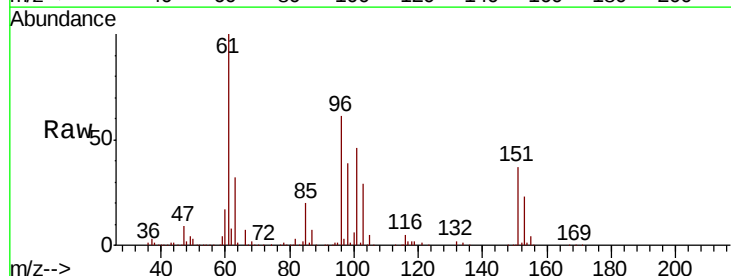
MMDadoda
10/19/2018 1:51:27 PM

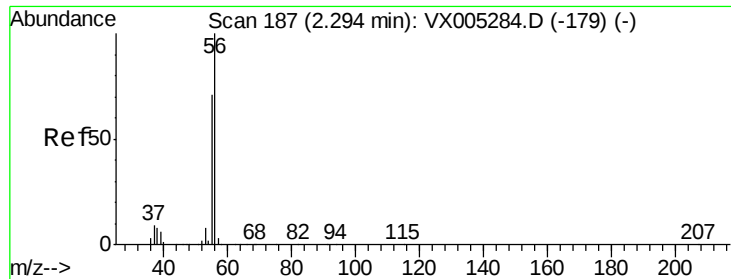


#12

1,1-Dichloroethene
Concen: 51.020 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion: 96 Resp: 119923
Ion Ratio Lower Upper
96 100
61 162.8 128.8 193.2
98 63.1 52.2 78.2





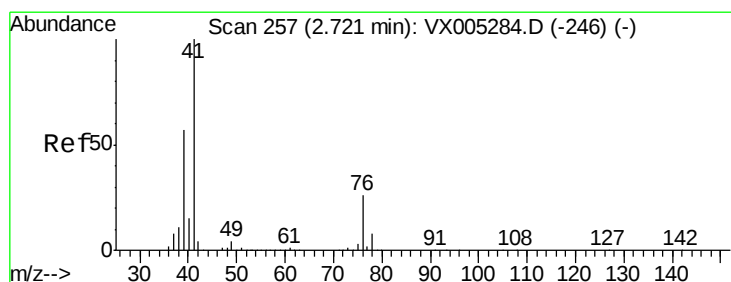
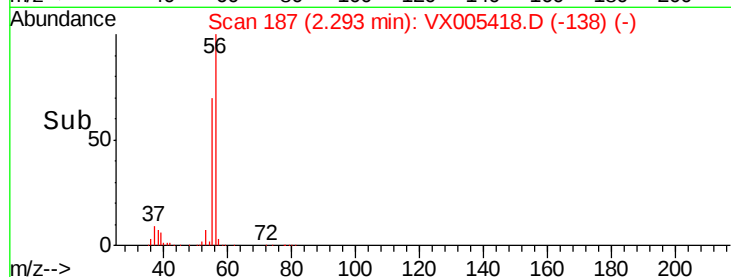
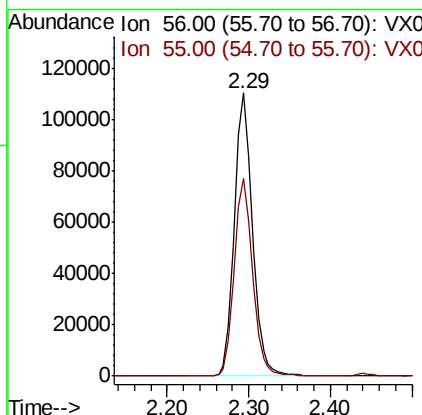
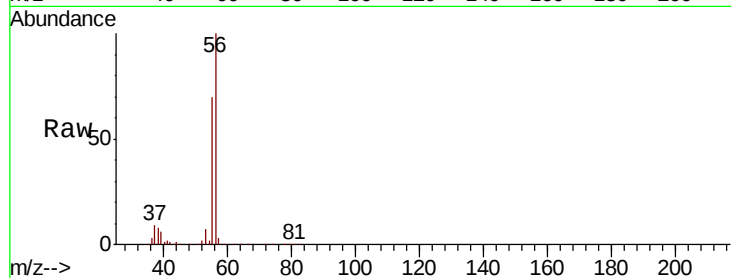
#13
Acrolein
Concen: 314.402 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	54.7	82.1

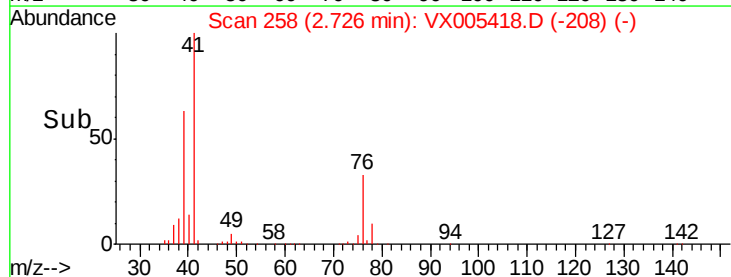
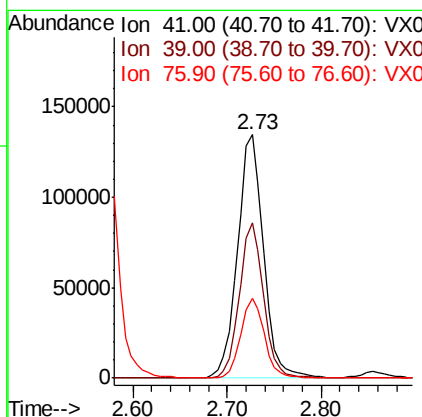
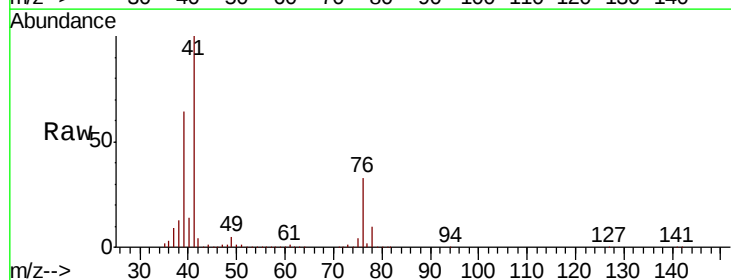
Manual Integrations
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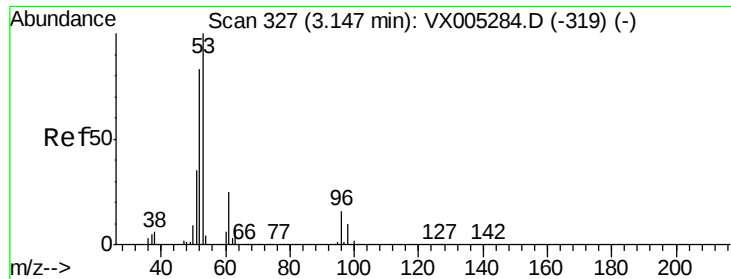
MMDadoda
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#14
Allyl chloride
Concen: 49.986 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.4	48.9	73.3
76	30.0	26.7	40.1





#15

Acrylonitrile

Concen: 240.736 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

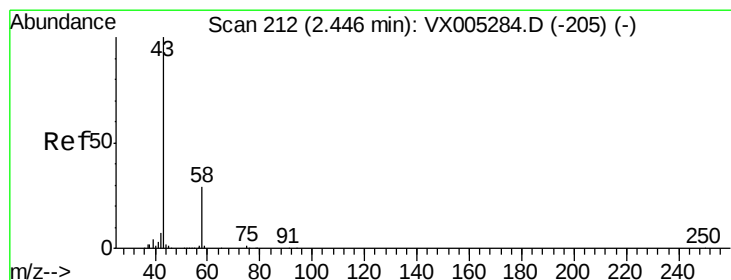
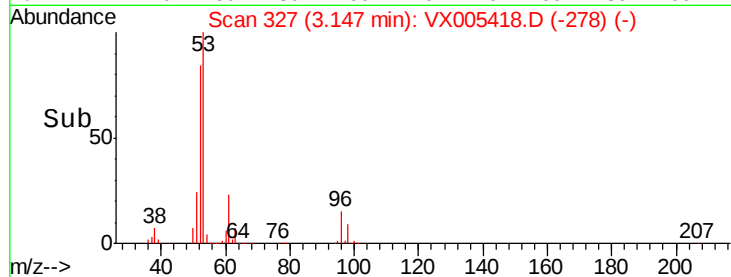
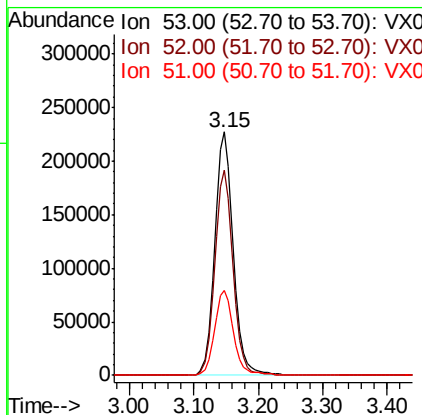
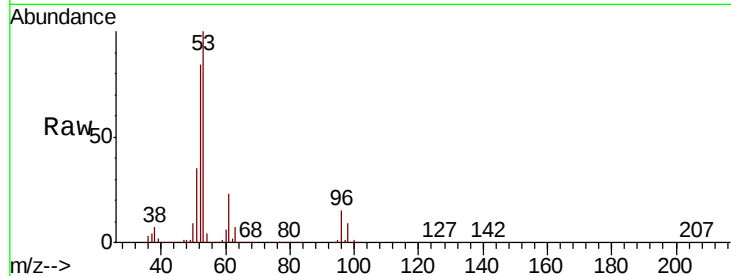
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	458354
Ion Ratio		Lower	Upper
53	100		
52	83.2	65.2	97.8
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 280.449 ug/l

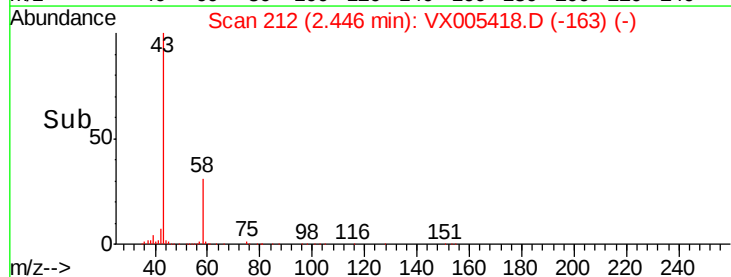
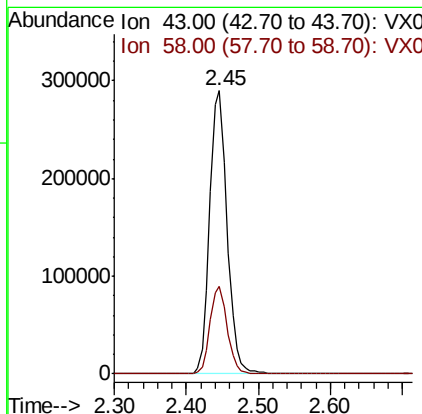
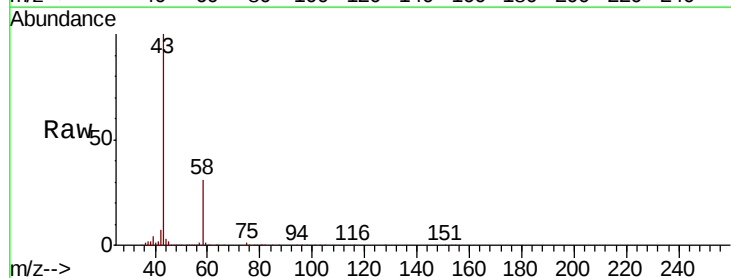
RT: 2.45 min Scan# 212

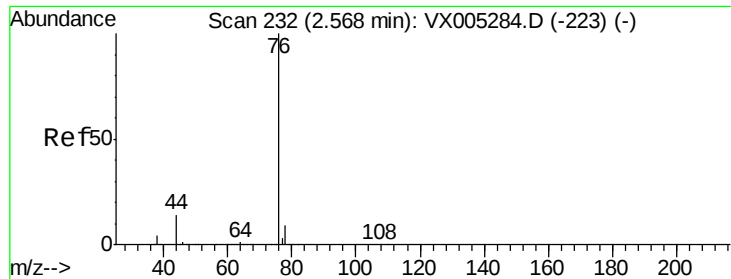
Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tgt Ion:	43	Resp:	482981
Ion Ratio		Lower	Upper
43	100		
58	30.9	26.2	39.4





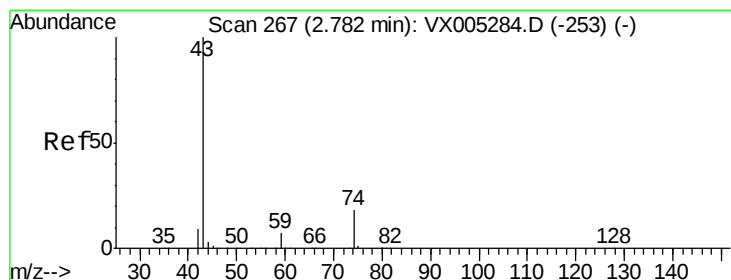
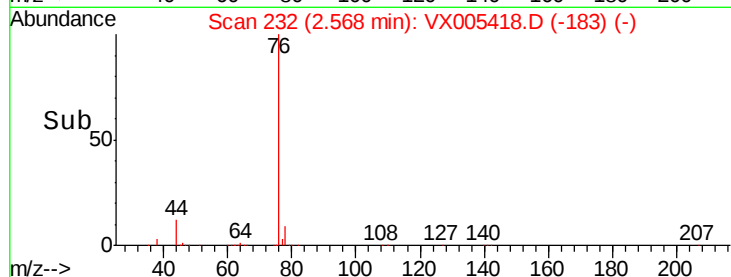
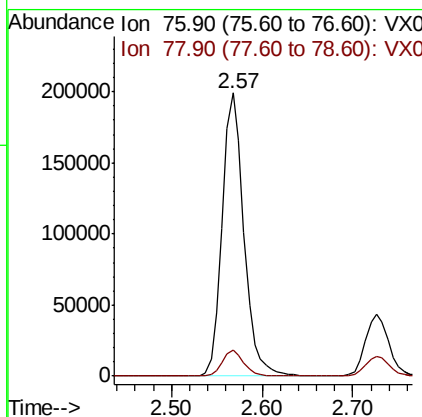
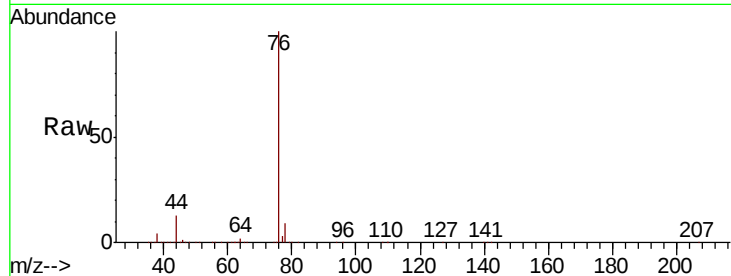
#17
Carbon Disulfide
Concen: 46.804 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

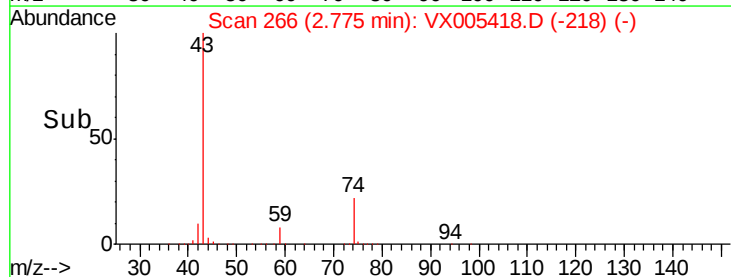
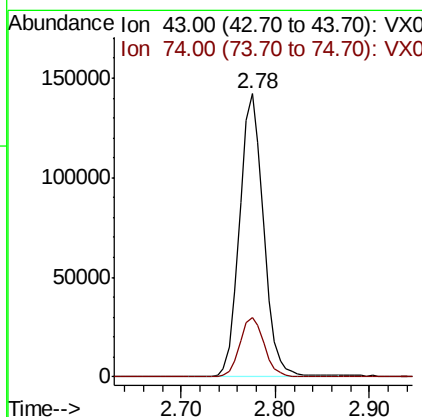
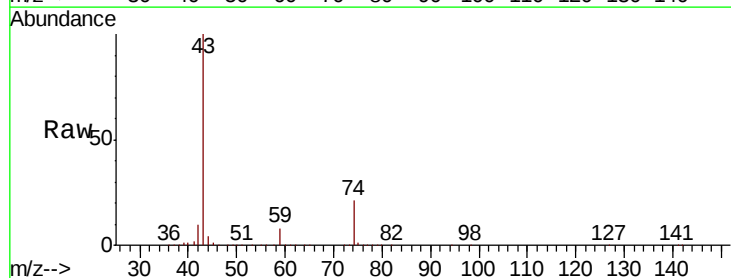
Manual Integrations
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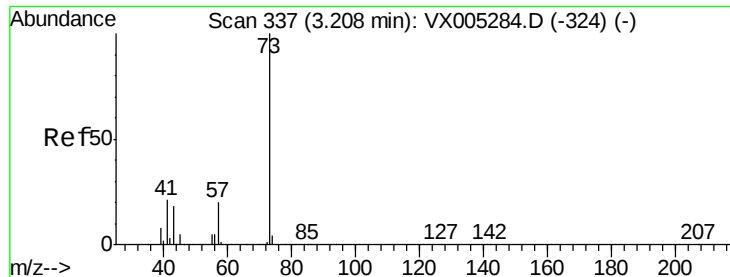
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#18
Methyl Acetate
Concen: 51.545 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	19.4	29.2





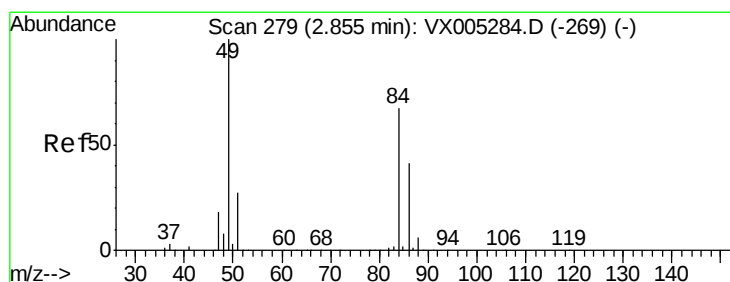
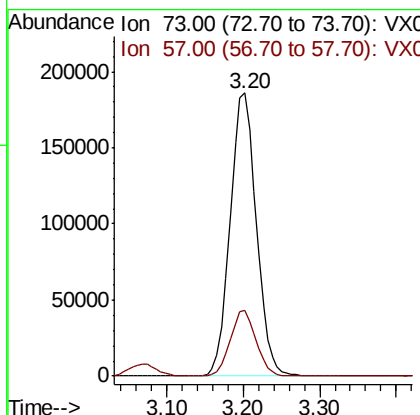
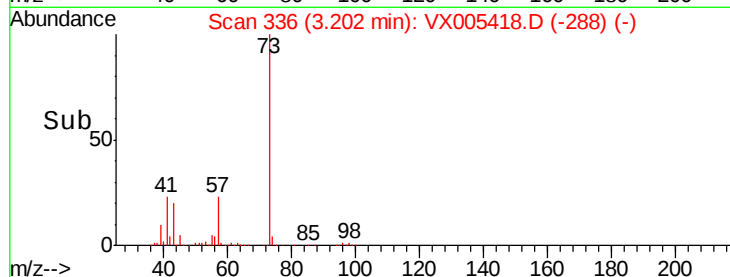
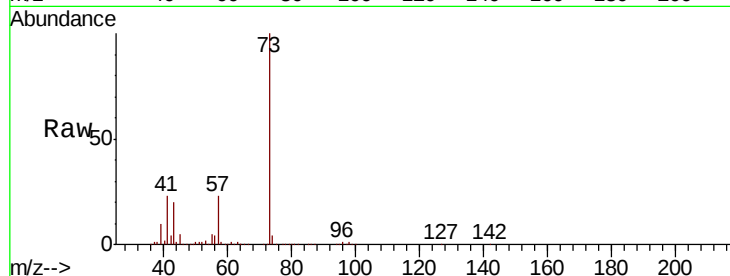
#19
Methyl tert-butyl Ether
Concen: 53.326 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 441452
Ion Ratio Lower Upper
73 100
57 23.0 17.1 25.7

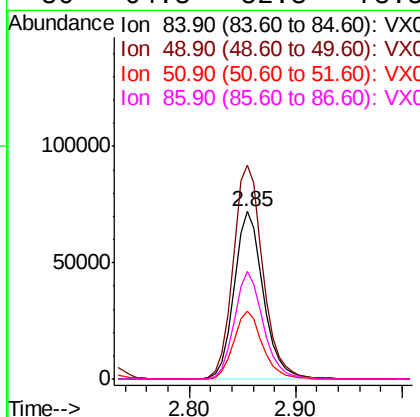
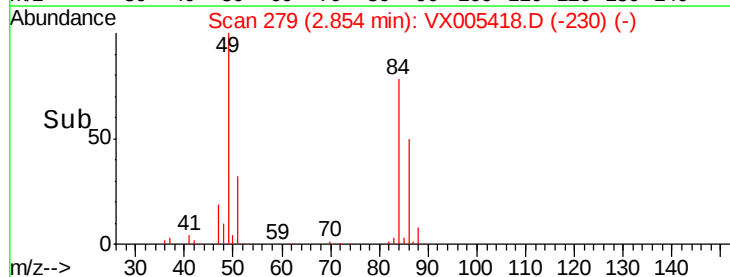
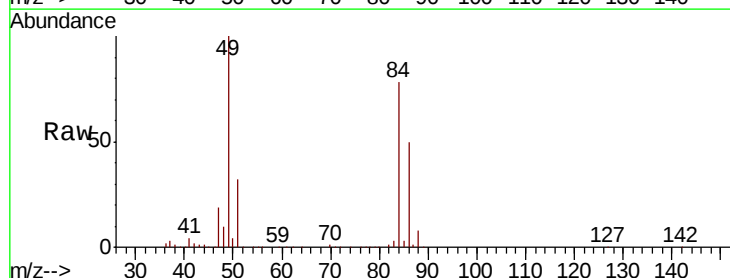
Manual Integrations
APPROVED

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#20
Methylene Chloride
Concen: 55.104 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion: 84 Resp: 137940
Ion Ratio Lower Upper
84 100
49 127.6 101.2 151.8
51 40.5 29.5 44.3
86 64.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.637 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 129298

Ion Ratio Lower Upper

96 100

61 150.4 113.8 170.6

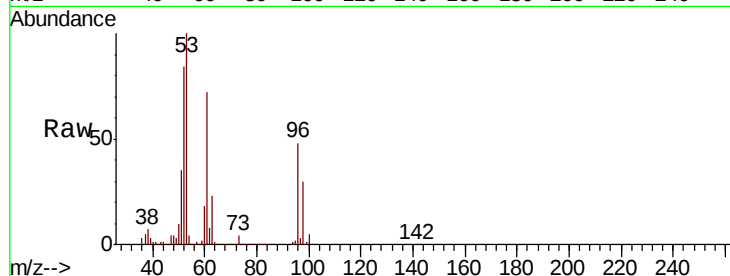
98 63.2 51.8 77.8

Manual Integrations

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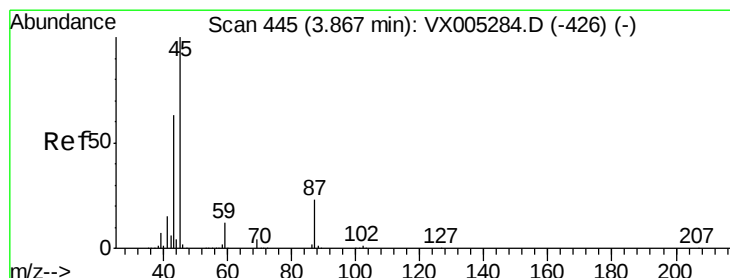
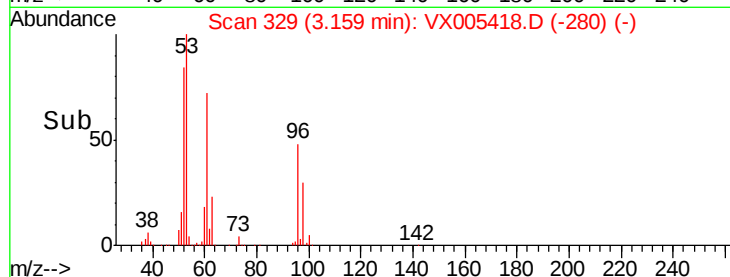
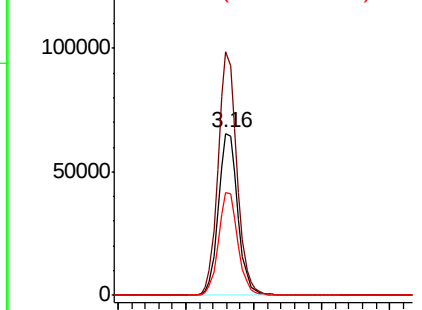
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 54.006 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tgt Ion: 45 Resp: 468119

Ion Ratio Lower Upper

45 100

43 58.2 42.8 64.2

87 25.9 22.6 34.0

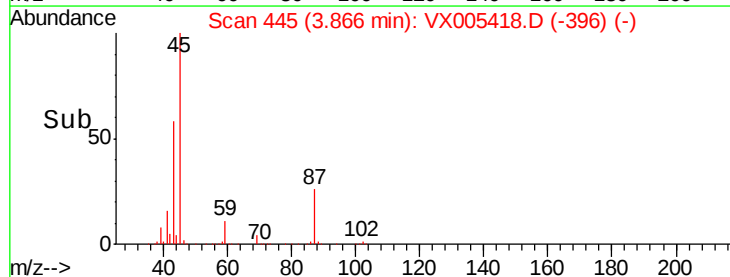
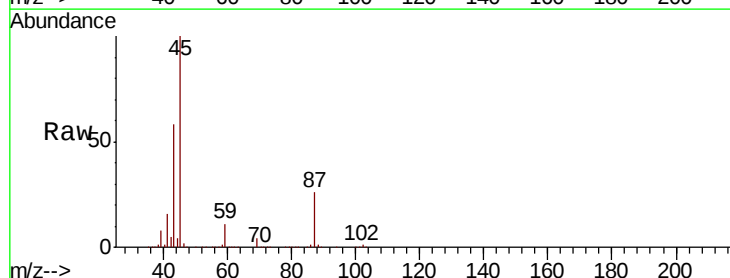
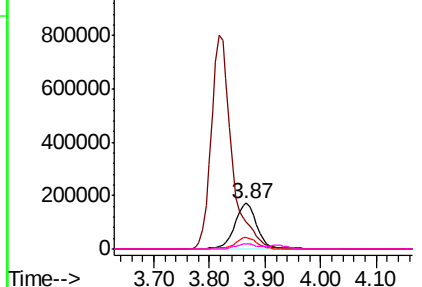
59 11.4 9.6 14.4

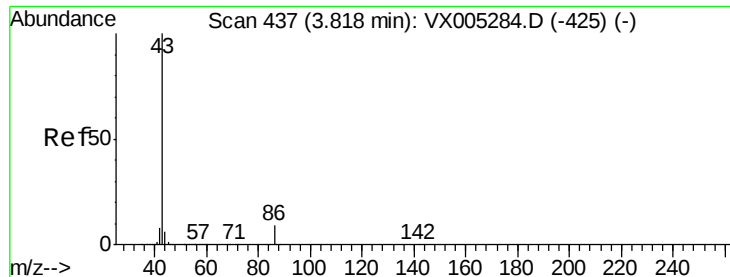
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 272.565 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2064975

Ion Ratio Lower Upper

43 100

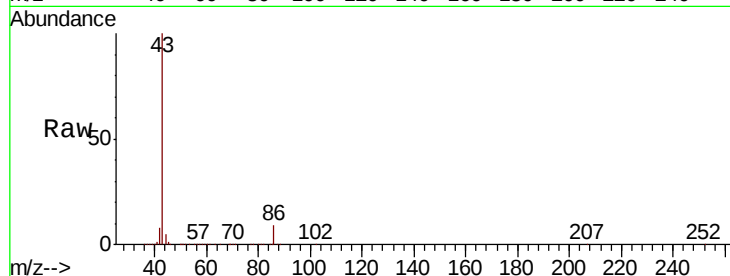
86 9.4 8.9 13.3

Manual Integrations

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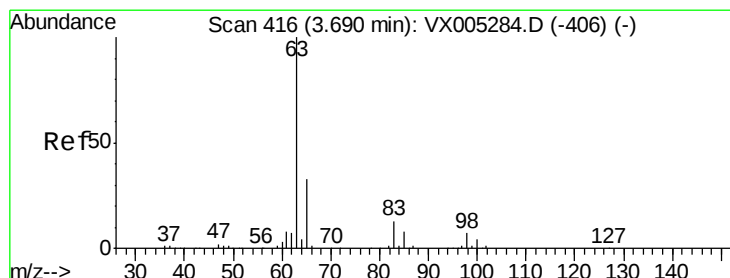
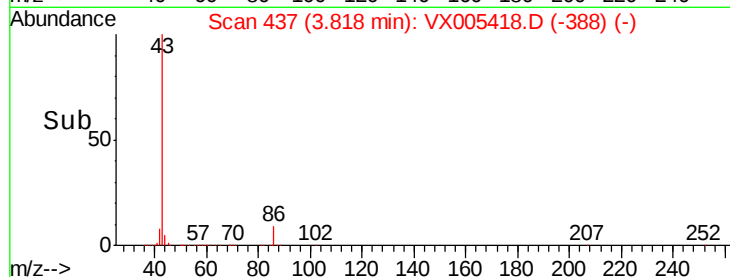
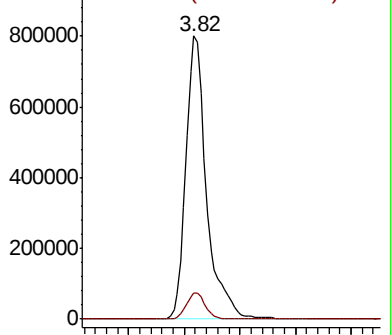
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.599 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

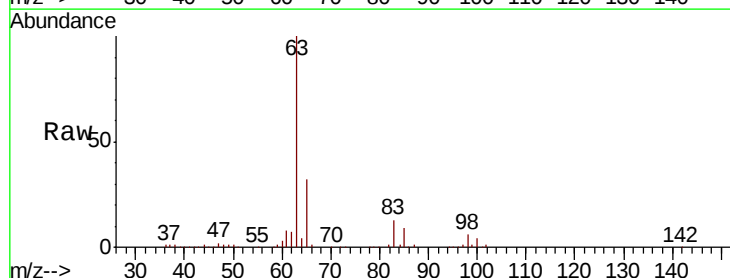
Tgt Ion: 63 Resp: 256331

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

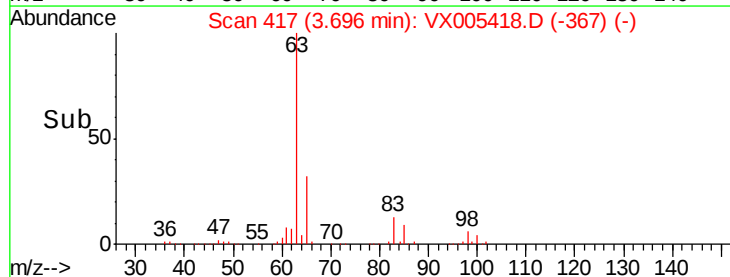
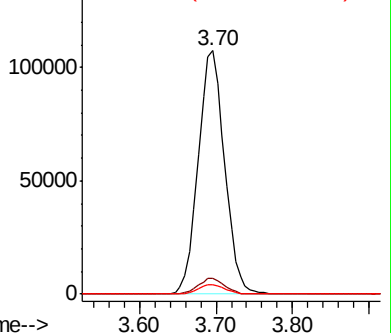
100 4.0 2.4 7.1

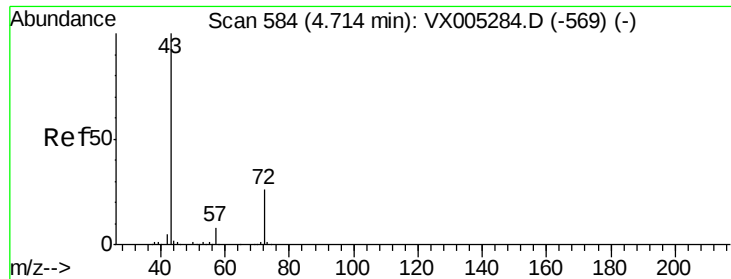


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 249.176 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 627857

Ion Ratio Lower Upper

43 100

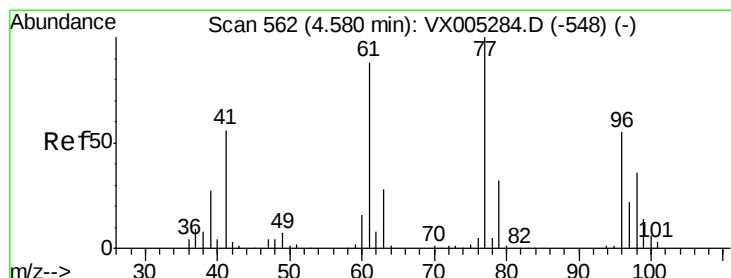
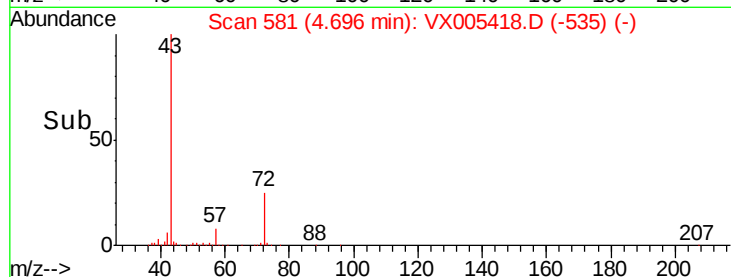
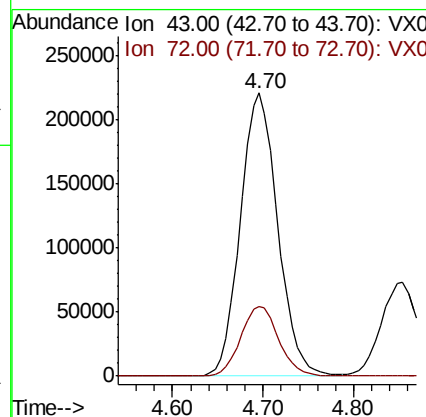
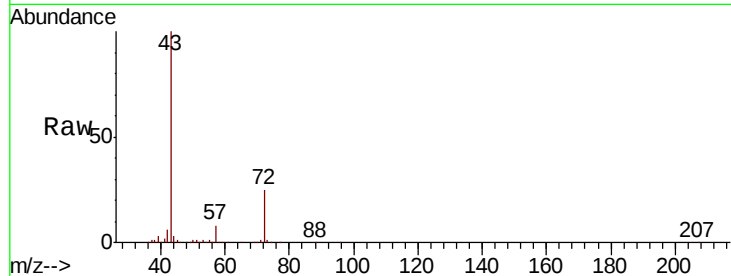
72 24.7 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.863 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005418.D

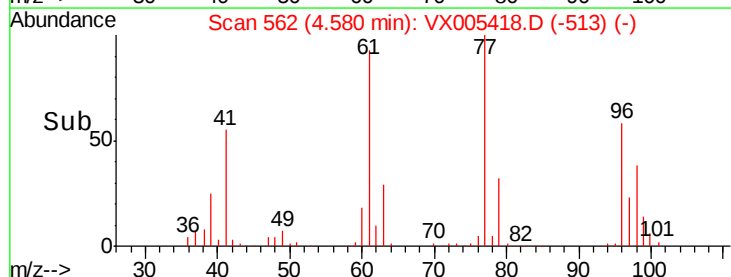
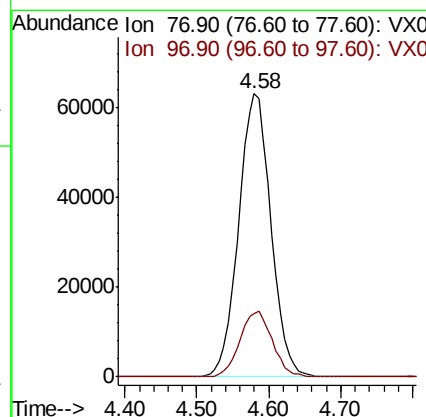
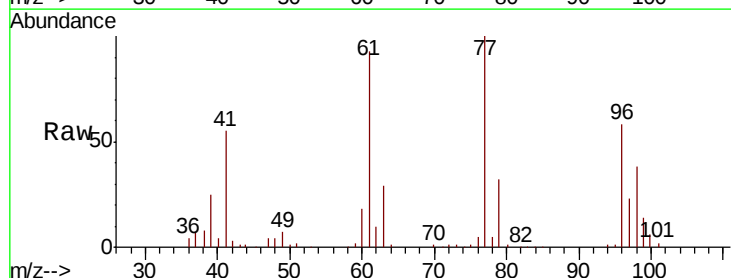
Acq: 18 Oct 2018 09:44

Tgt Ion: 77 Resp: 196399

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0





#27

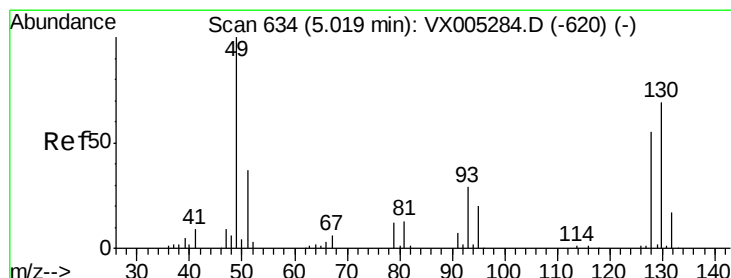
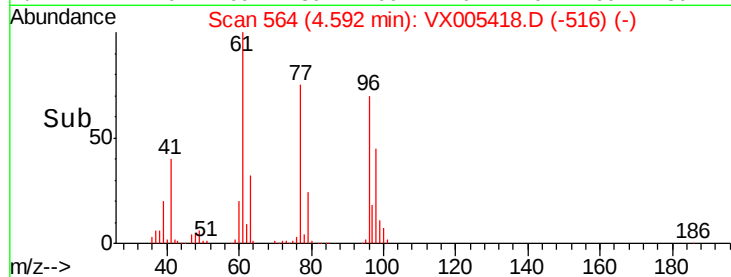
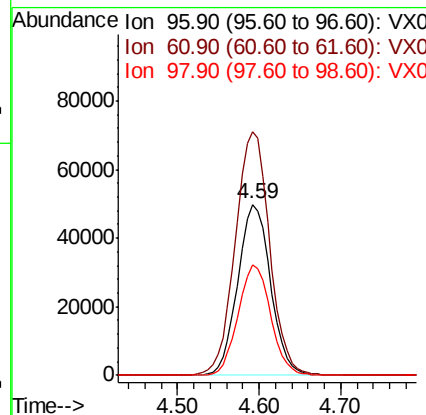
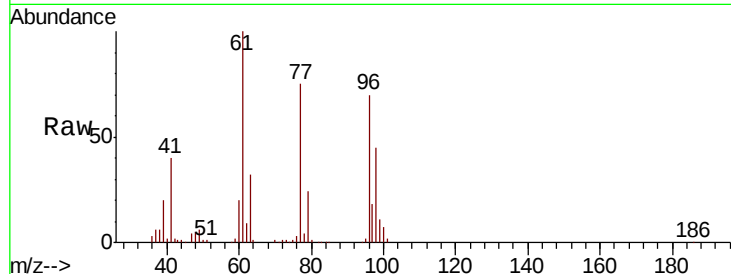
cis-1,2-Dichloroethene
 Concen: 49.102 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	282.6
98	64.1	0.0	130.2

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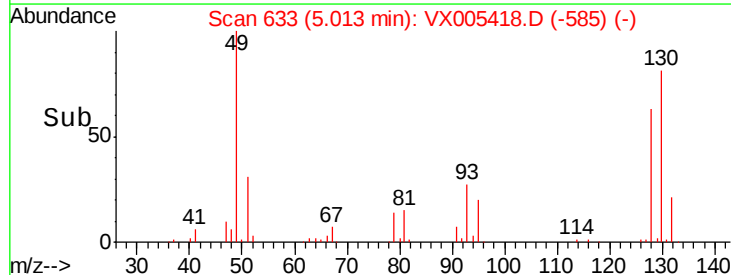
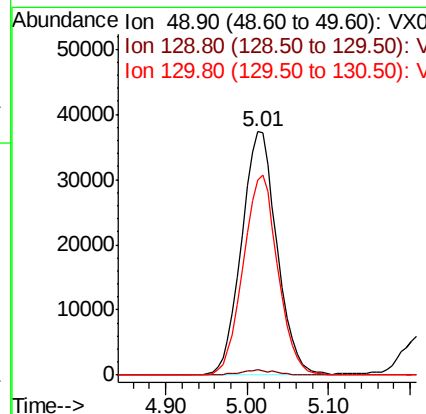
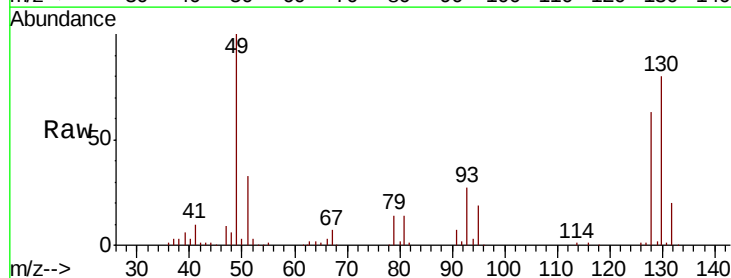
MMDadoda
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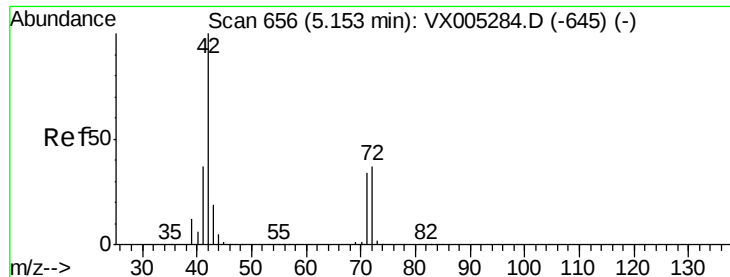


#28

Bromochloromethane
 Concen: 49.742 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	80.4	67.5	101.3





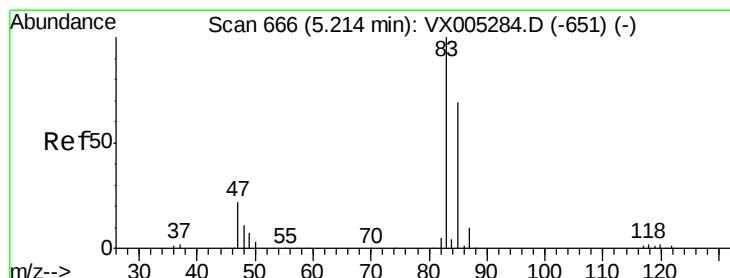
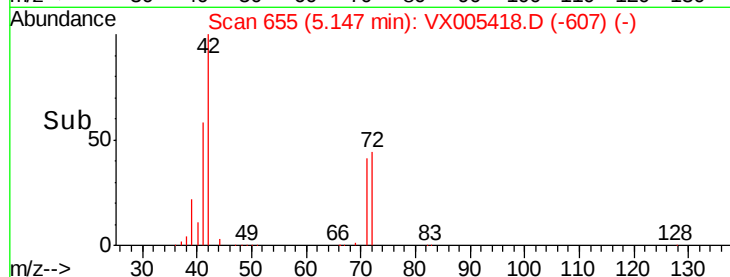
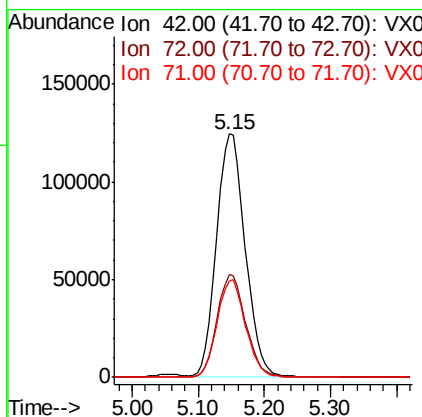
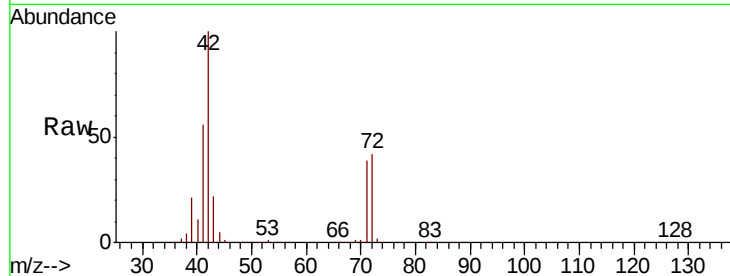
#29
Tetrahydrofuran
Concen: 233.255 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	37.4	56.0
71	39.5	34.5	51.7

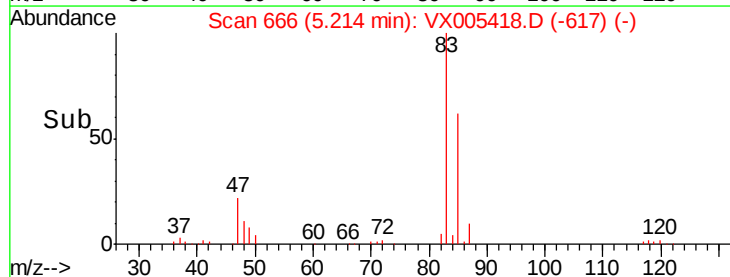
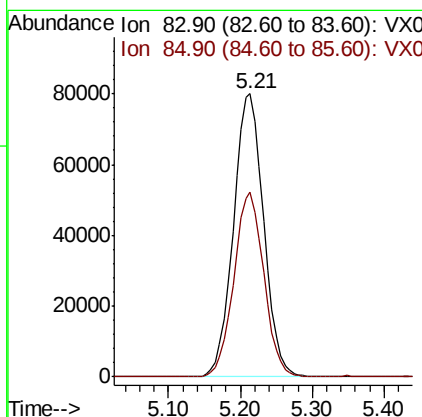
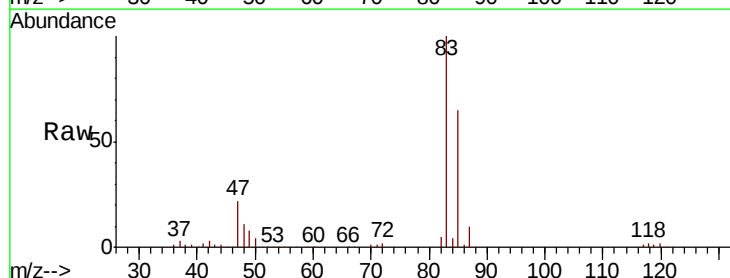
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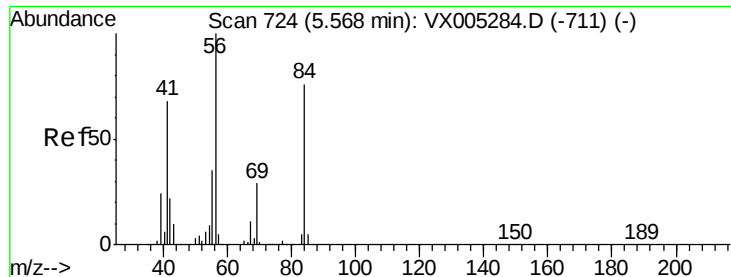
MMDadoda
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#30
Chloroform
Concen: 50.432 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	79.0





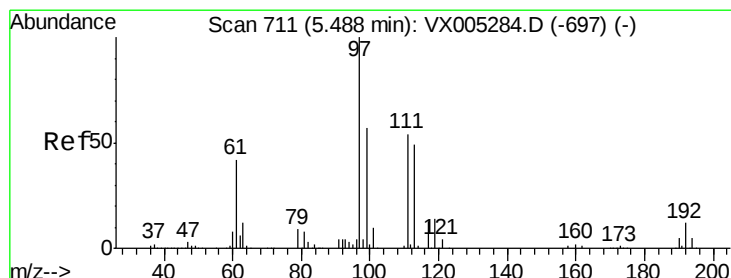
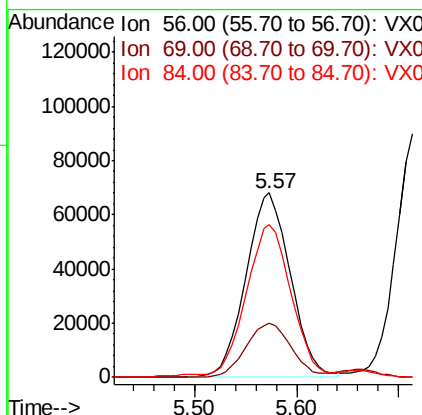
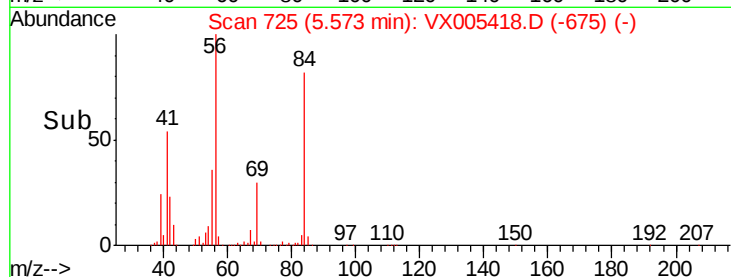
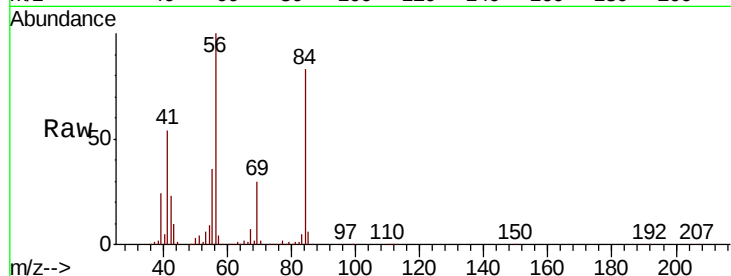
#31
Cyclohexane
Concen: 50.272 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	25.4	38.2
84	81.2	71.4	107.2

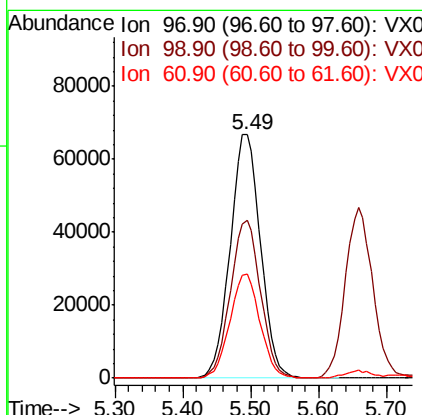
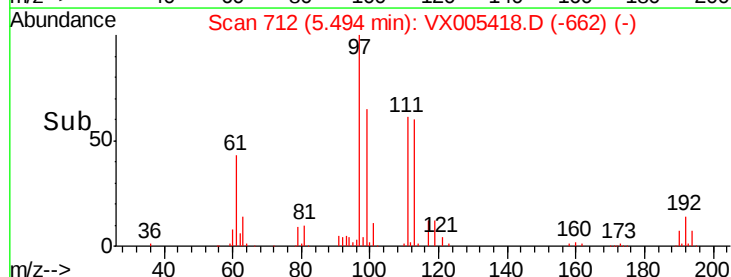
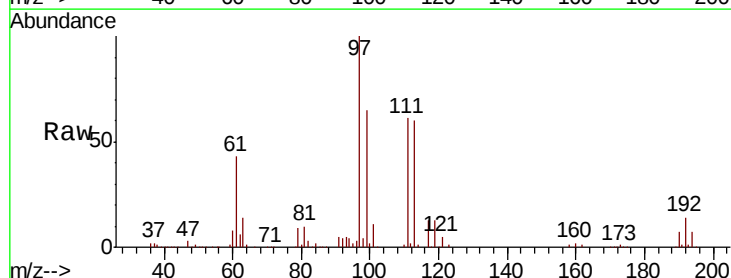
Manual Integrations
APPROVED

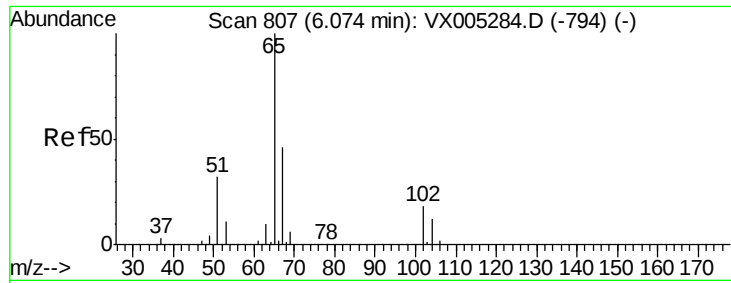
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#32
1,1,1-Trichloroethane
Concen: 51.395 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	42.4	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 47.167 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tot Ion: 65 Resp: 140491

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

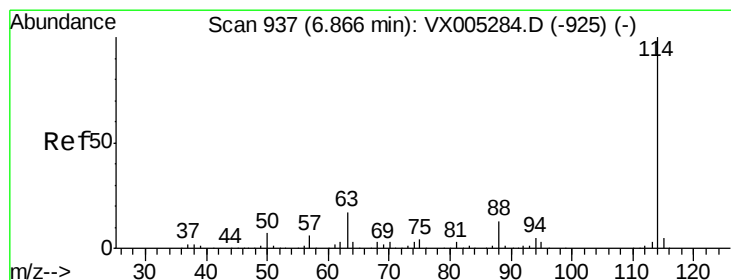
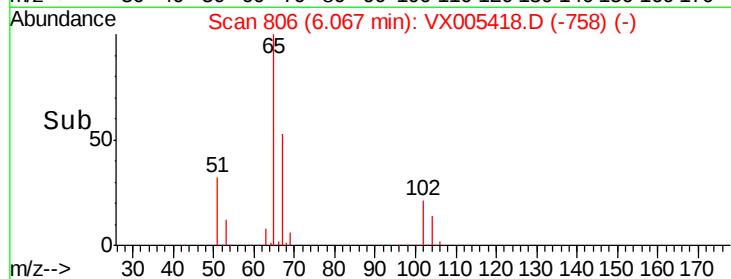
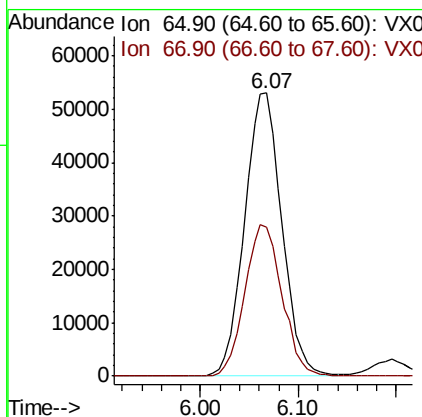
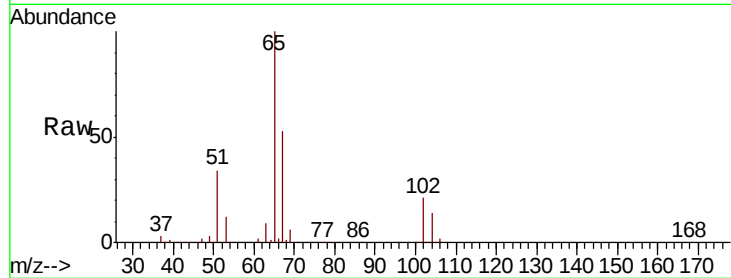
VSTDCCC050

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

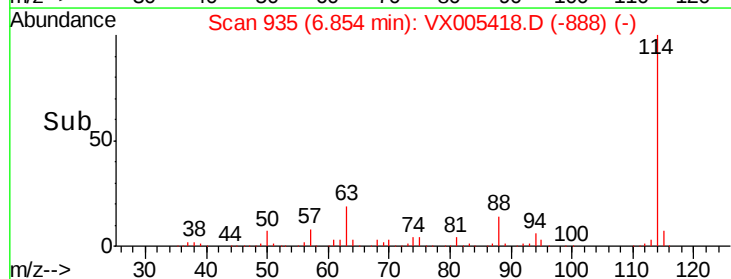
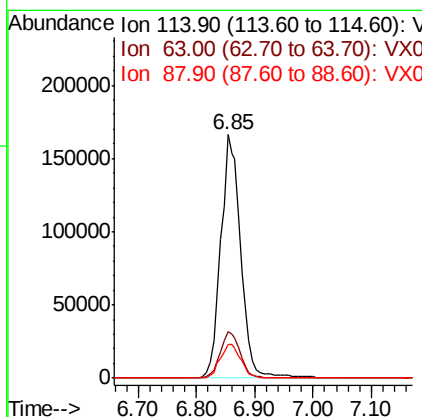
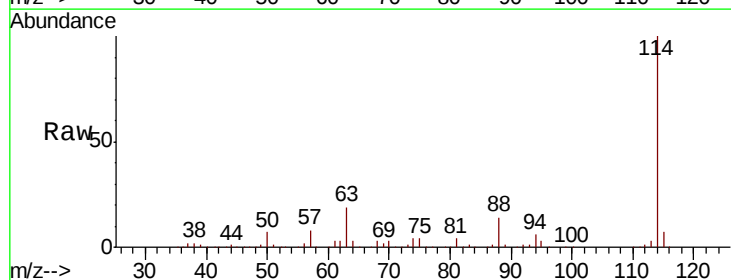
Tgt Ion: 114 Resp: 394190

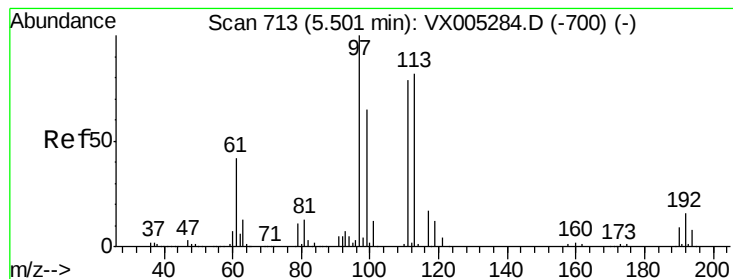
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.0

88 13.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 44.259 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

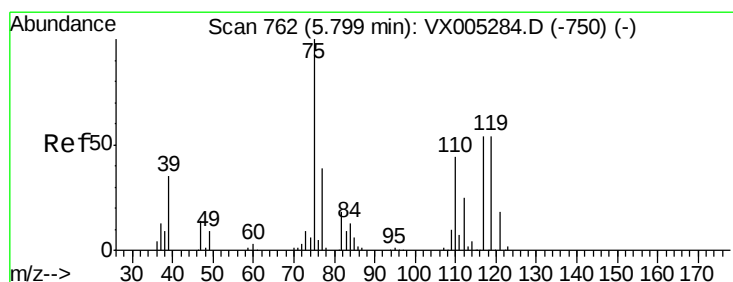
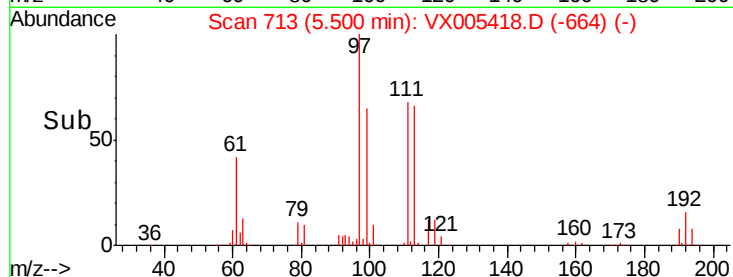
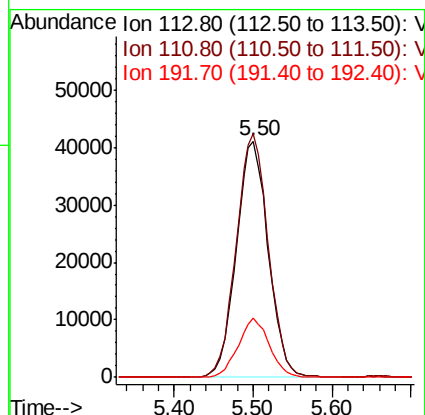
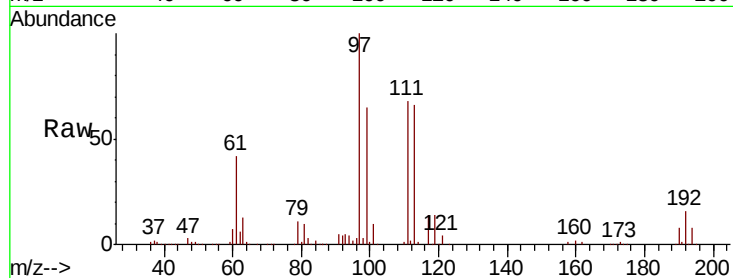
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	115551
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.4	123.6
192	24.3	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.023 ug/l

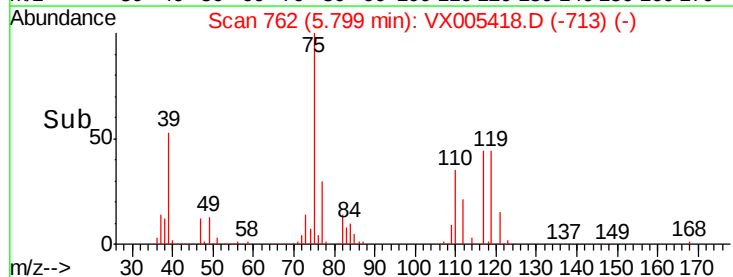
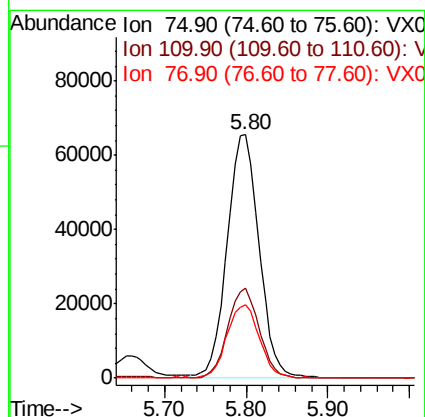
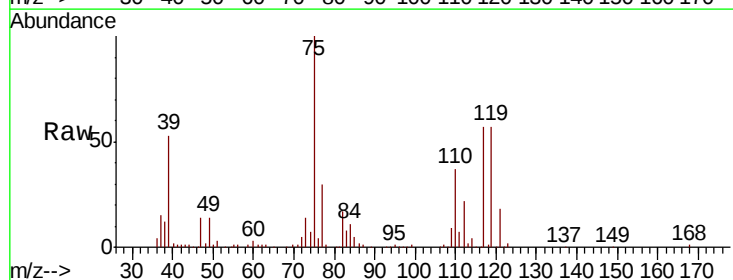
RT: 5.80 min Scan# 762

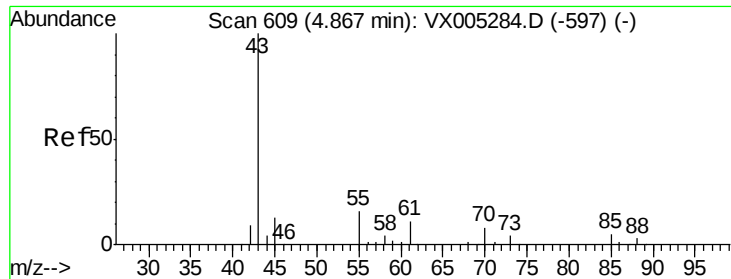
Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tgt Ion:	75	Resp:	175702
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.0	54.0
77	30.8	24.6	36.8





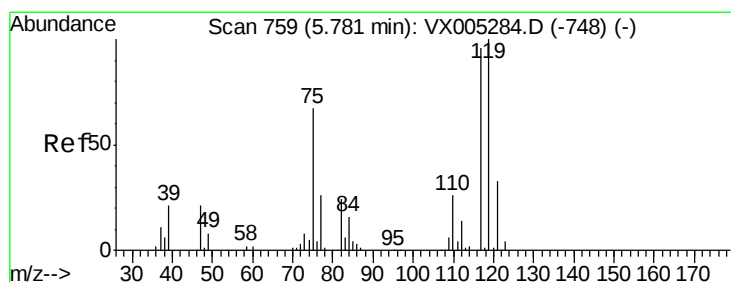
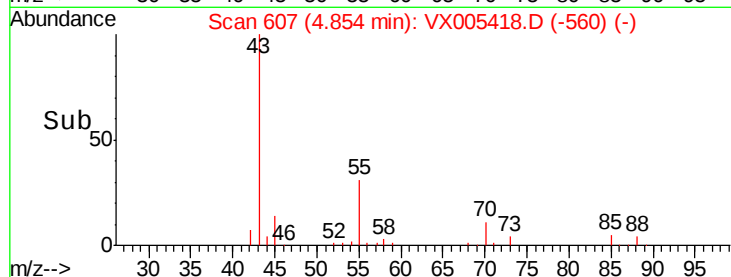
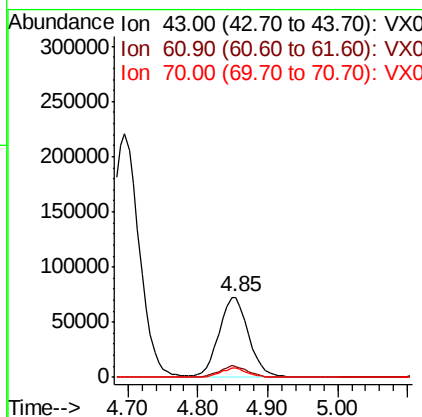
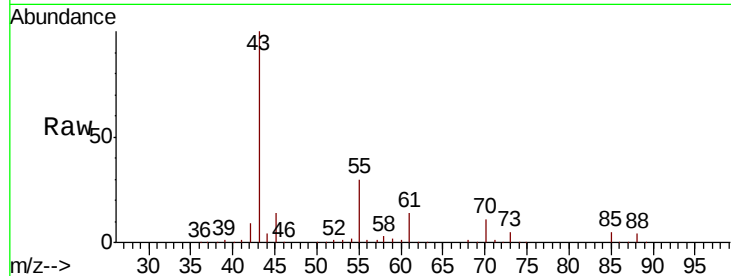
#37
Ethyl Acetate
Concen: 43.722 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.4	9.0	13.6

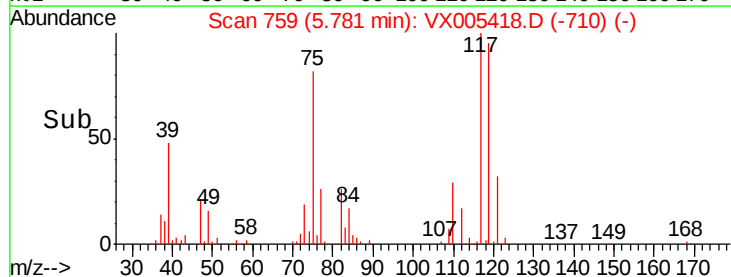
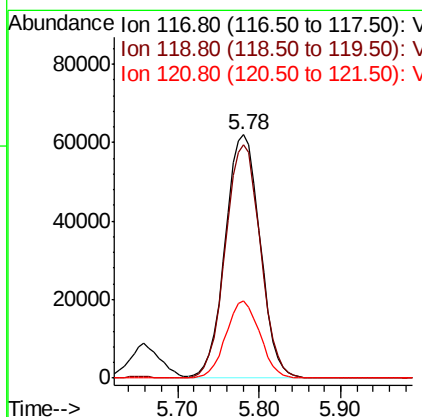
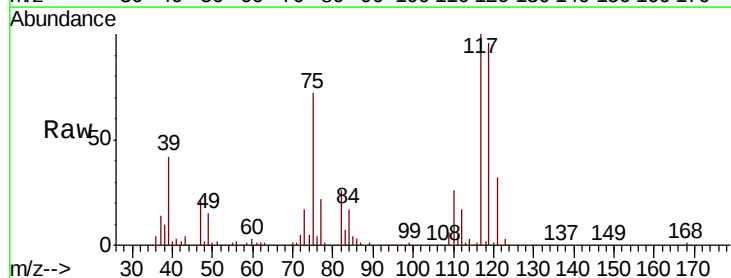
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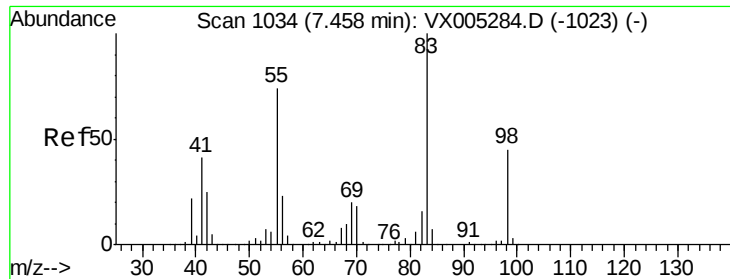
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#38
Carbon Tetrachloride
Concen: 47.723 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.8	118.2
121	31.7	24.9	37.3





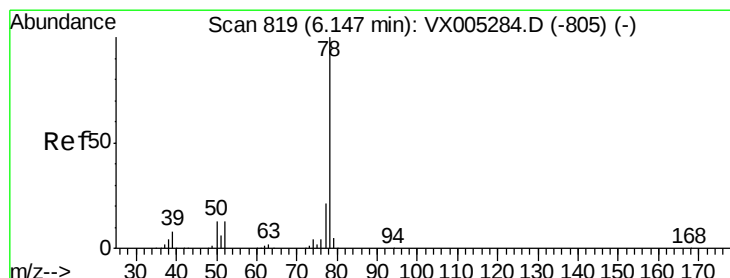
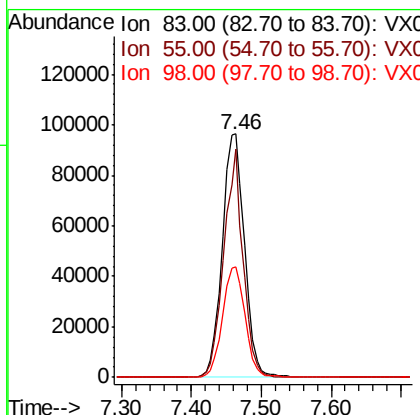
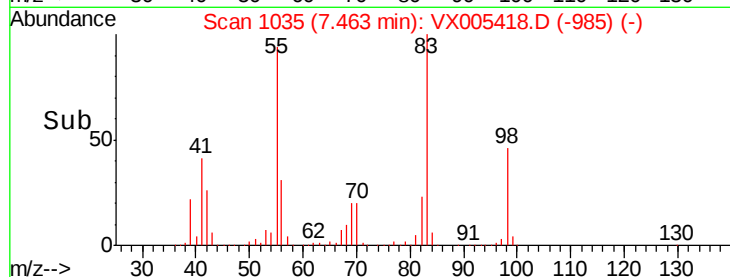
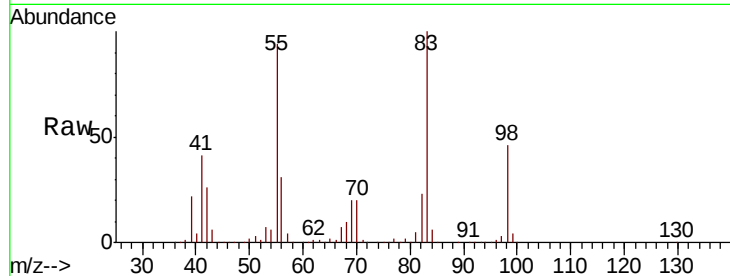
#39
Methvlcvclohexane
Concen: 51.444 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.8	61.0	91.4#
98	45.6	39.6	59.4

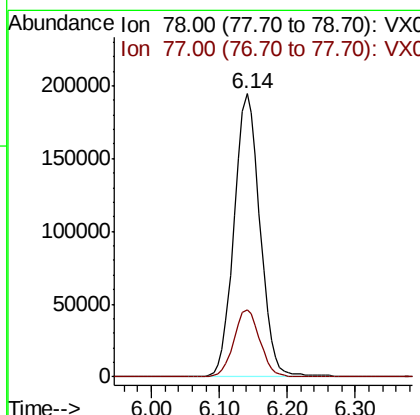
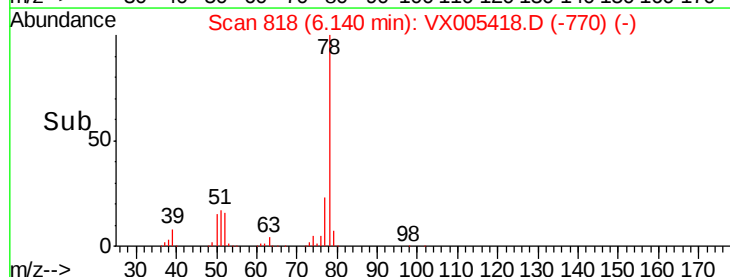
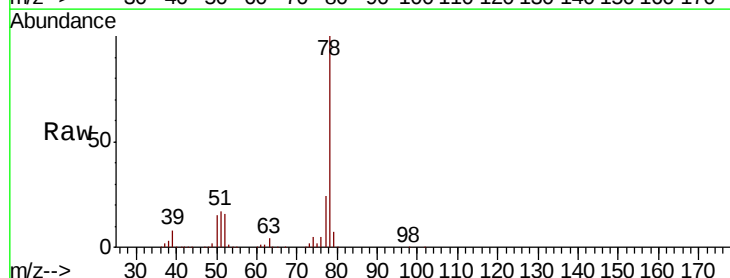
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#40
Benzene
Concen: 44.954 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





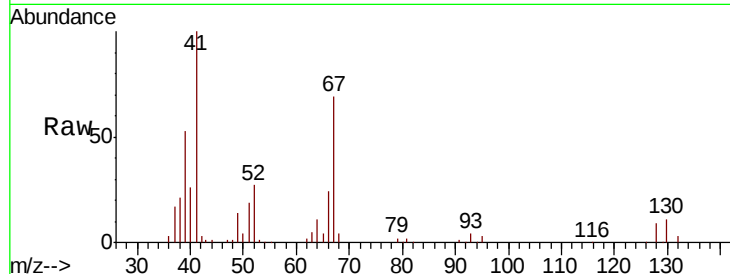
#41
Methacrylonitrile
Concen: 46.196 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.4	63.6	
67	68.3	59.2	88.8	
52	27.4	23.0	34.4	

Manual Integrations
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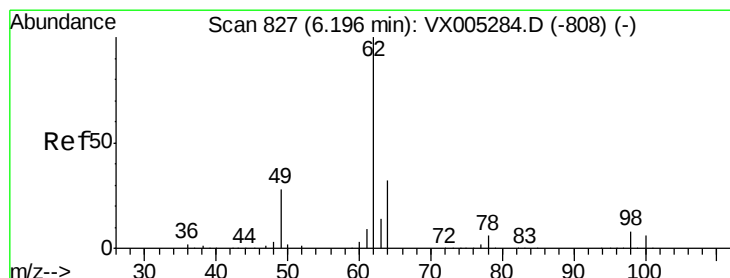
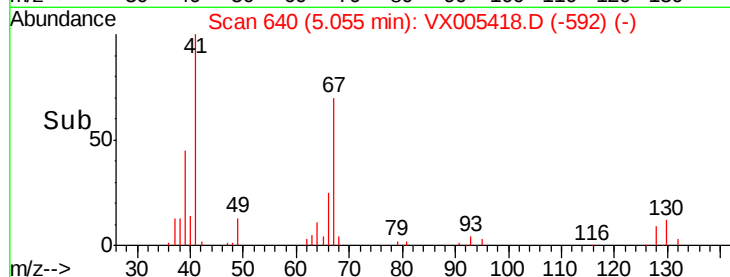
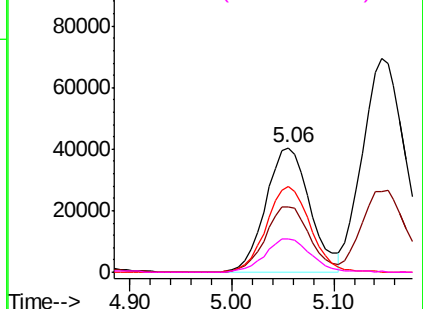
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

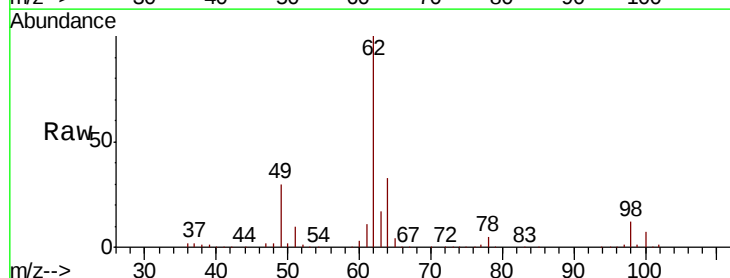
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 46.073 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

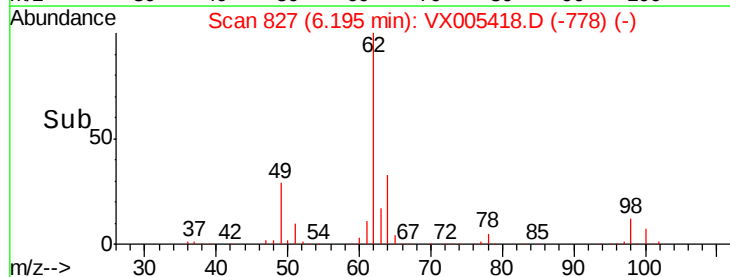
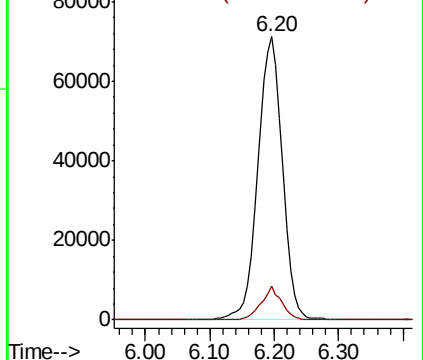
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.6	

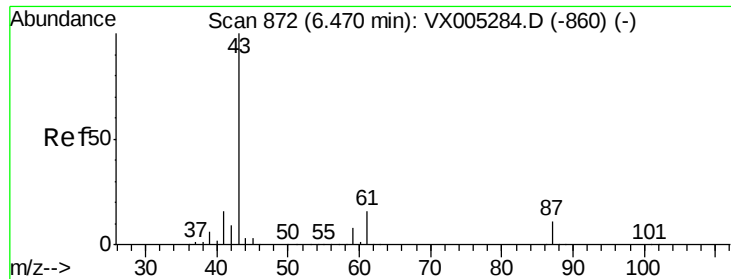


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.413 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

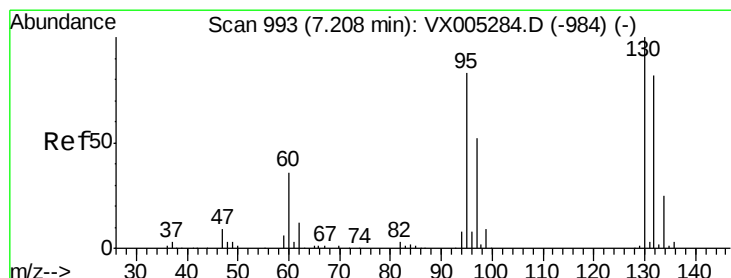
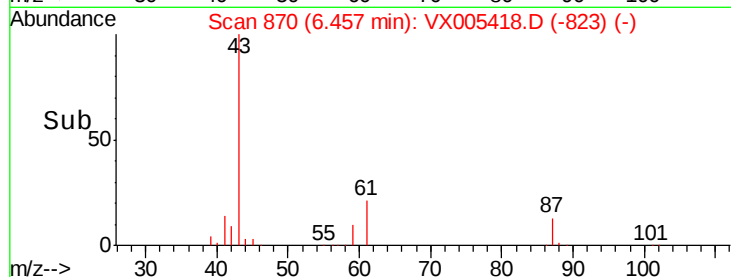
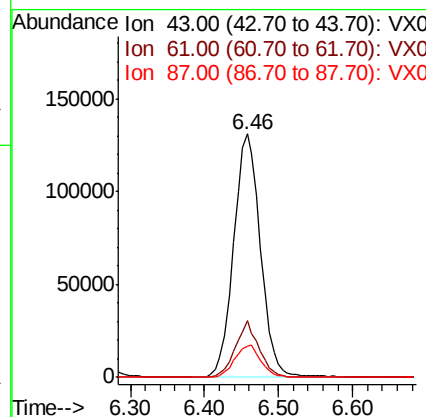
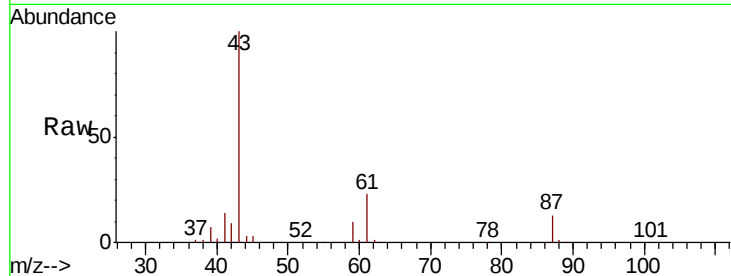
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	329708
Ion	Ratio	Lower	Upper
43	100		
61	20.5	17.0	25.4
87	12.9	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 50.935 ug/l

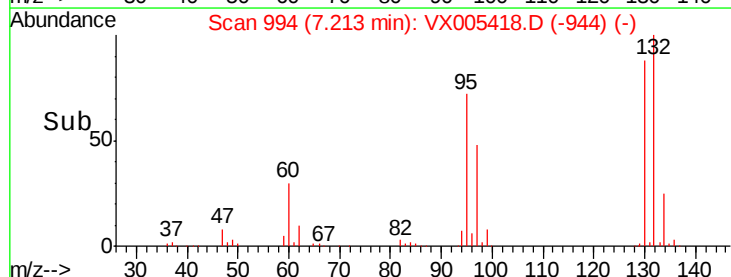
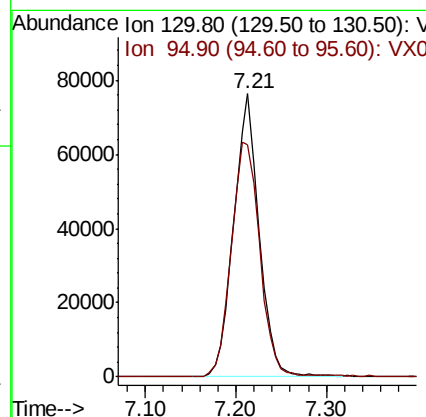
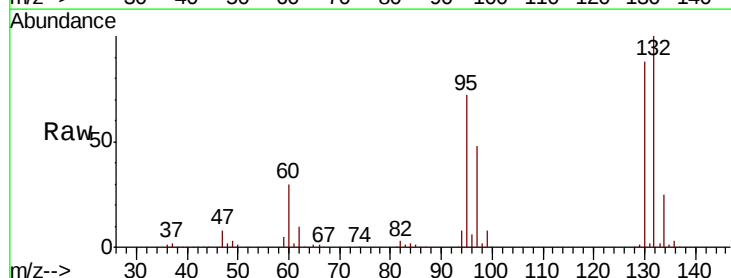
RT: 7.21 min Scan# 994

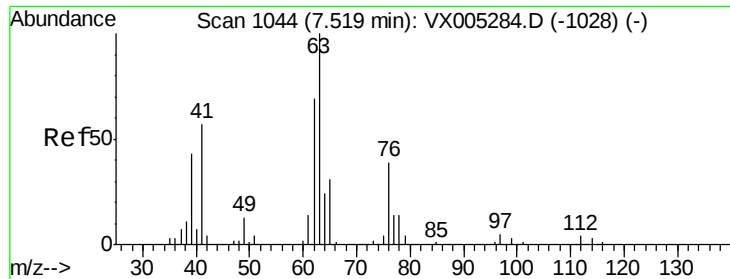
Delta R.T. 0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tgt Ion:	130	Resp:	148909
Ion	Ratio	Lower	Upper
130	100		
95	82.0	0.0	181.6





#45

1,2-Dichloropropane

Concen: 50.080 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 140687

Ion Ratio Lower Upper

63 100

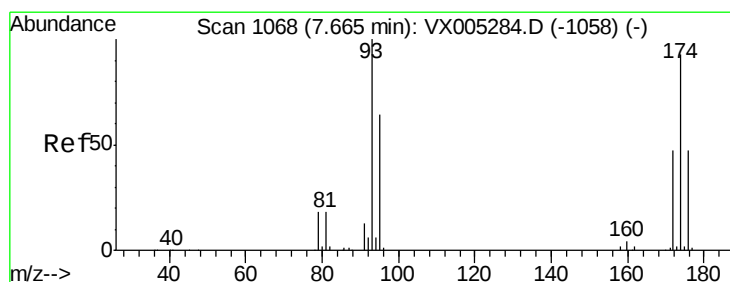
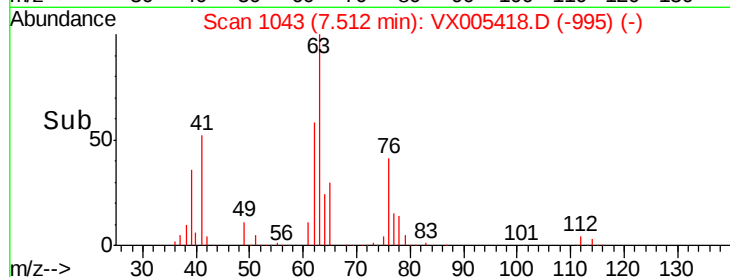
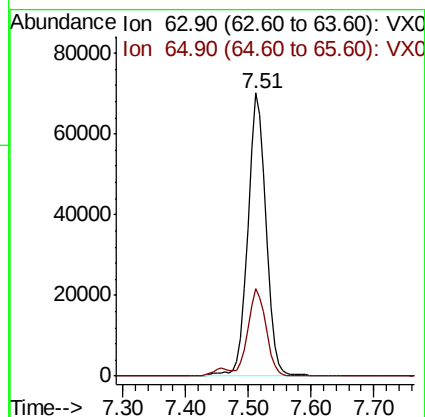
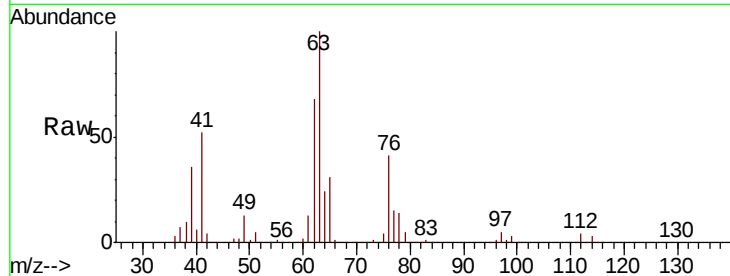
65 30.9 24.3 36.5

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#46

Dibromomethane

Concen: 48.258 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

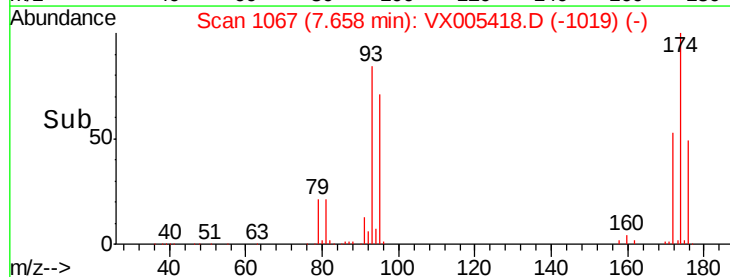
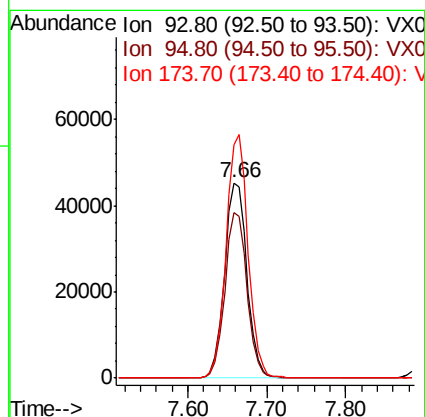
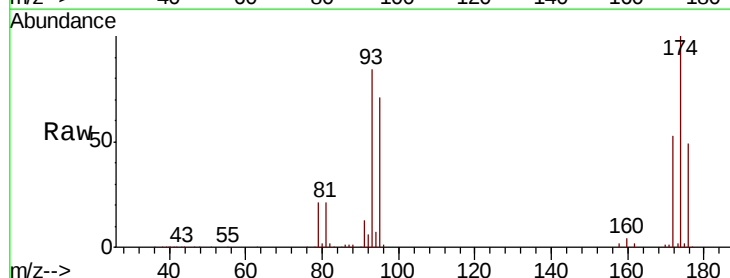
Tgt Ion: 93 Resp: 89476

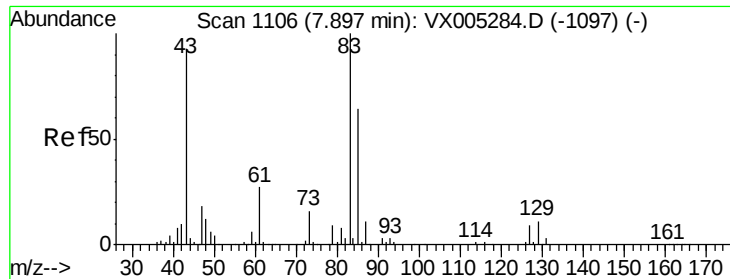
Ion Ratio Lower Upper

93 100

95 84.2 65.5 98.3

174 122.1 94.2 141.4





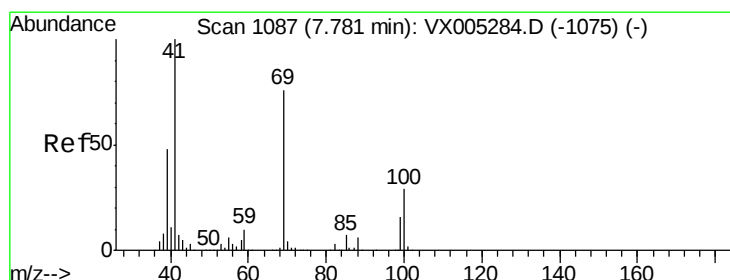
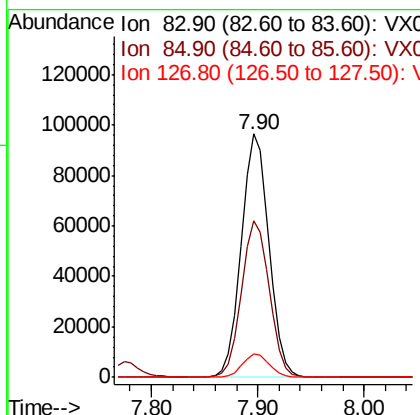
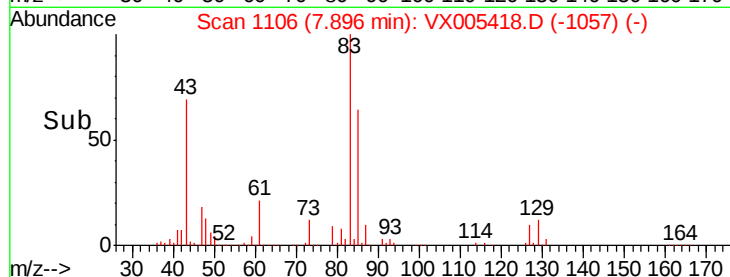
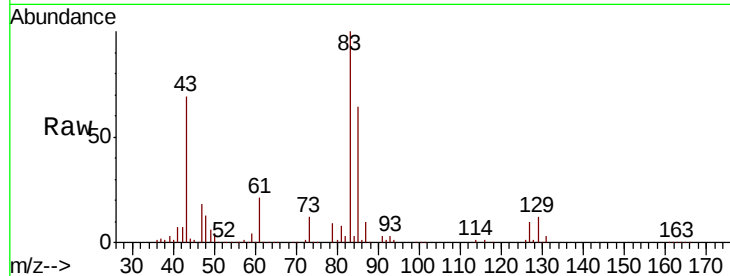
#47
Bromodichloromethane
Concen: 51.478 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.9	76.3
127	9.5	7.3	10.9

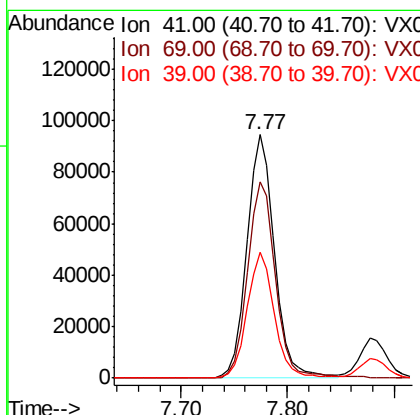
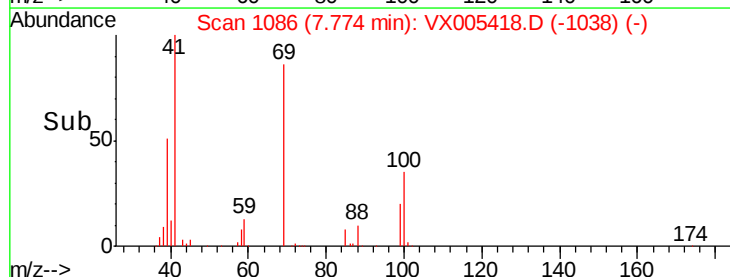
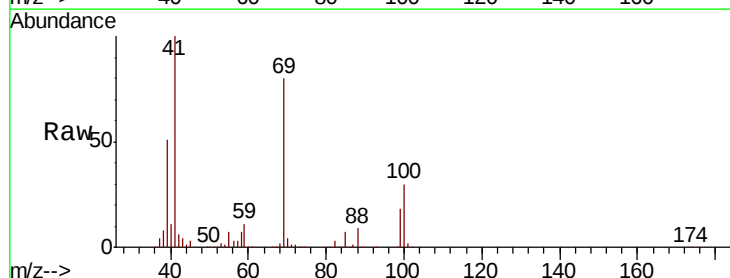
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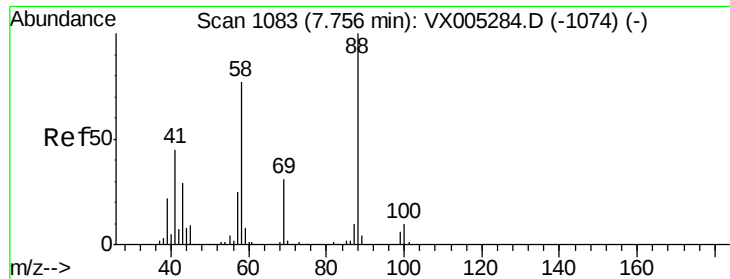
MMDadoda
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#48
Methyl methacrylate
Concen: 50.642 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.1	70.2	105.4
39	51.2	42.7	64.1





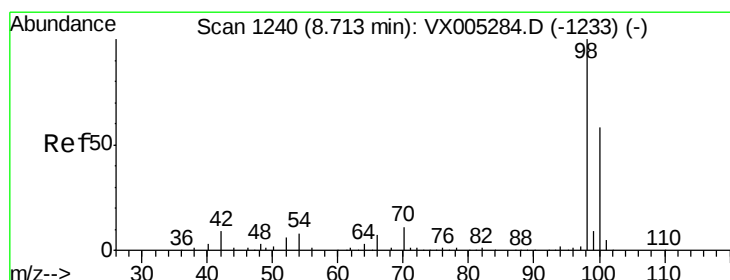
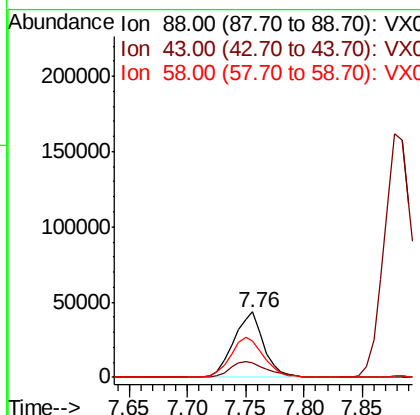
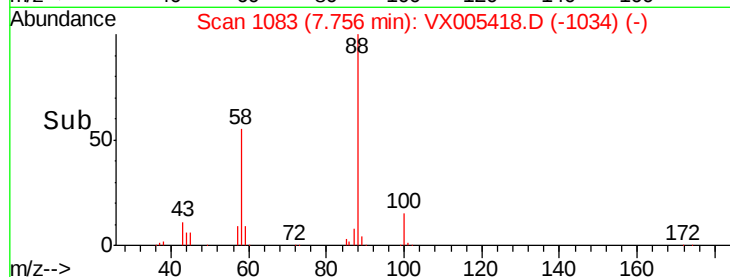
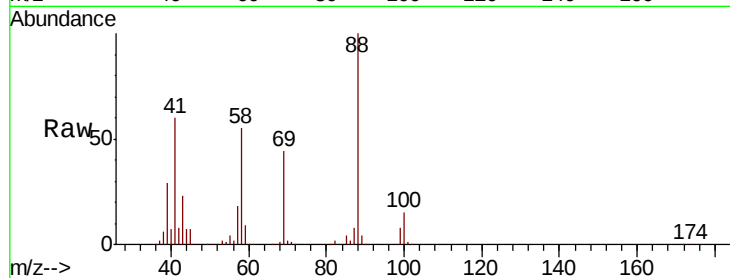
#49
1,4-Dioxane
Concen: 996.180 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	24.7	37.1
58	67.6	55.3	82.9

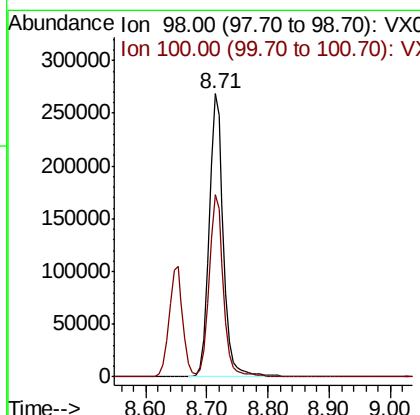
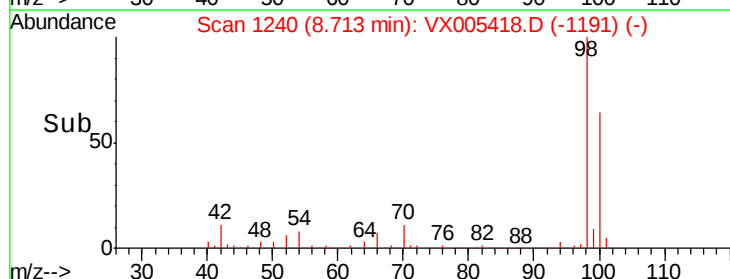
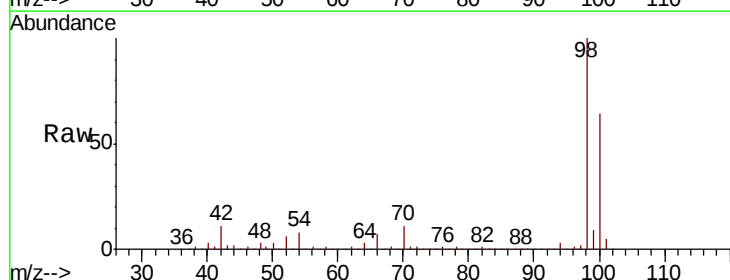
Manual Integrations
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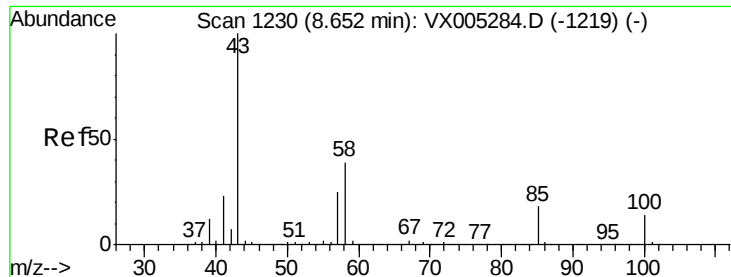
MMDadoda
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#50
Toluene-d8
Concen: 49.116 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 253.913 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1149841

Ion Ratio Lower Upper

43 100

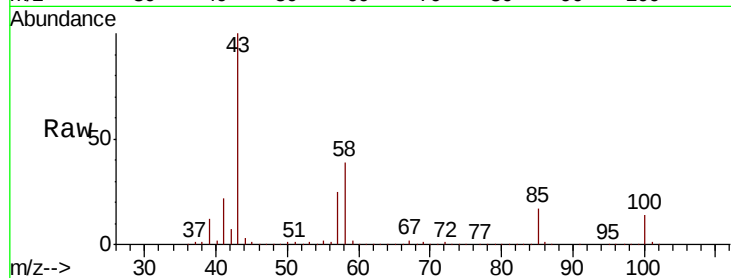
58 38.4 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

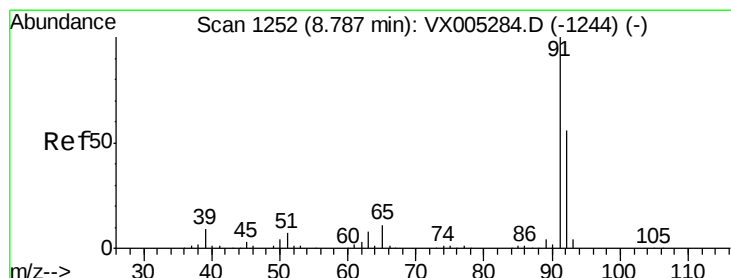
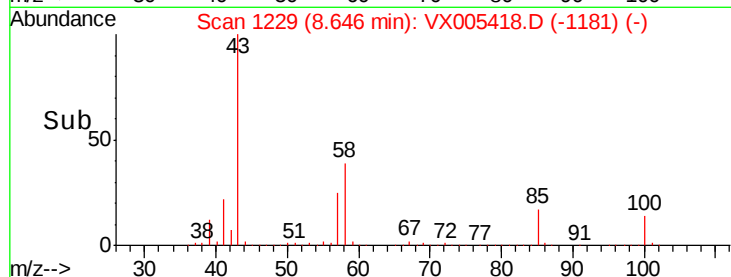
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.846 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005418.D

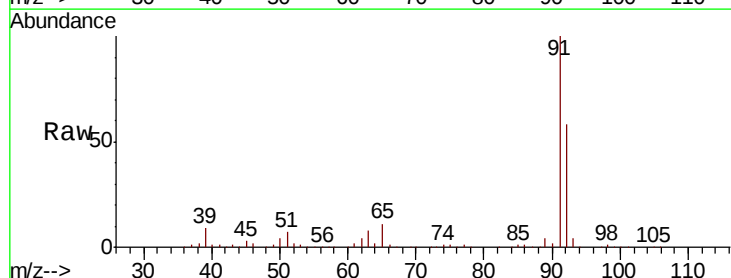
Acq: 18 Oct 2018 09:44

Tgt Ion: 92 Resp: 331106

Ion Ratio Lower Upper

92 100

91 174.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

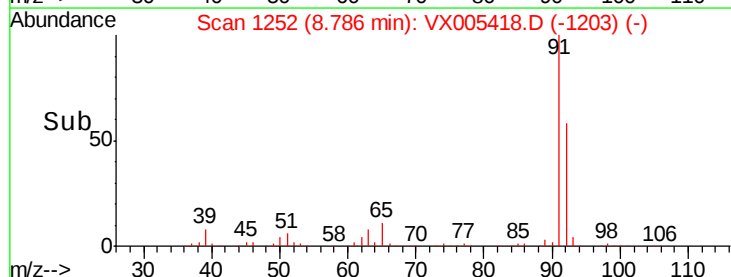
300000

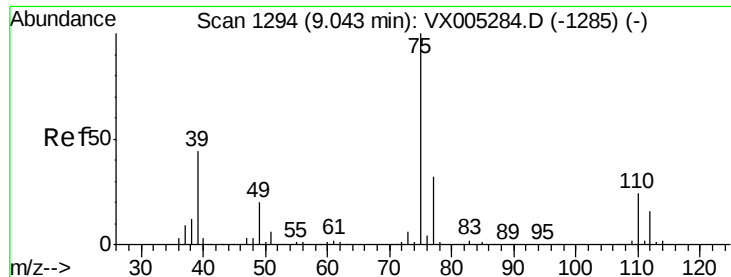
200000

100000

0

Time-->





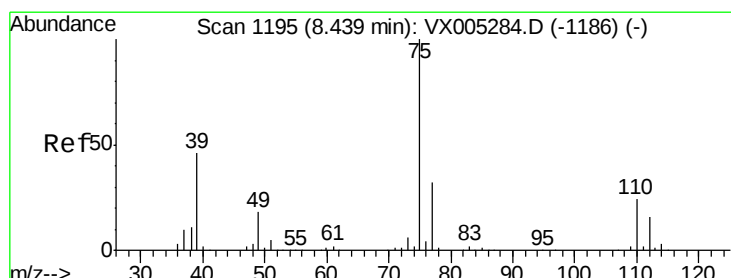
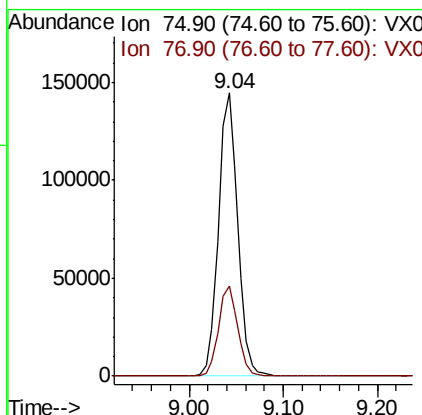
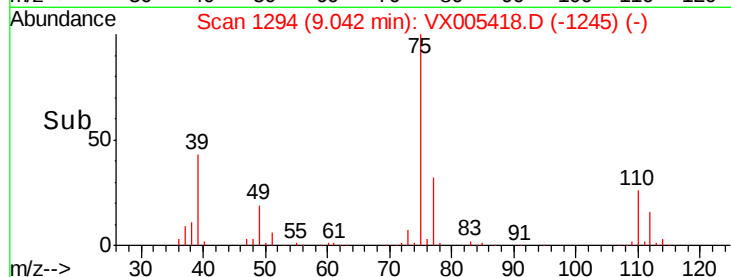
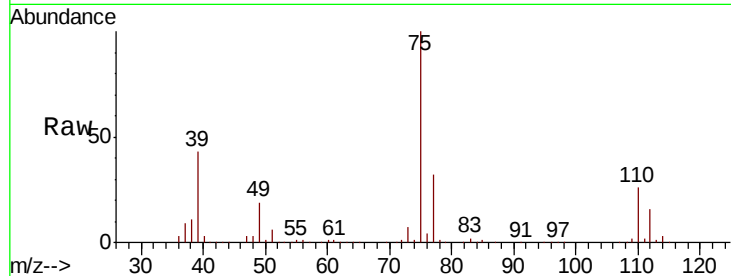
#53
t-1,3-Dichloropropene
Concen: 55.124 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 204595
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0

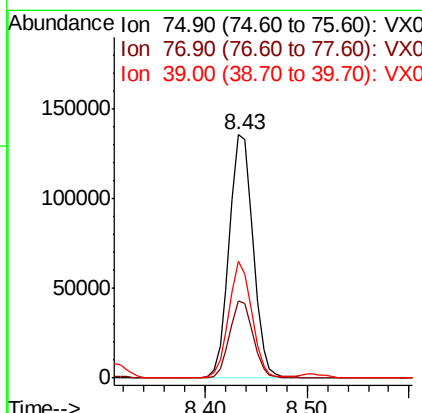
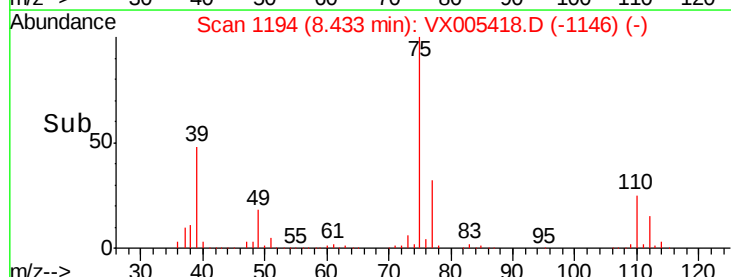
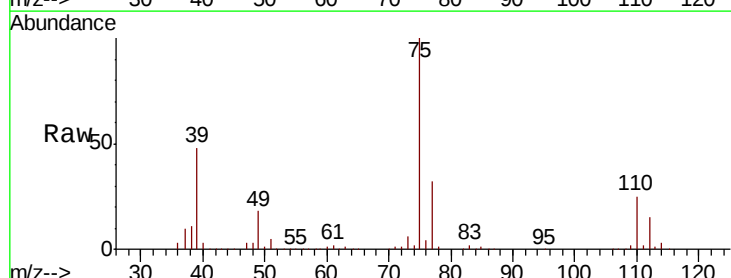
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 54.586 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion: 75 Resp: 219521
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2
39 47.7 36.4 54.6





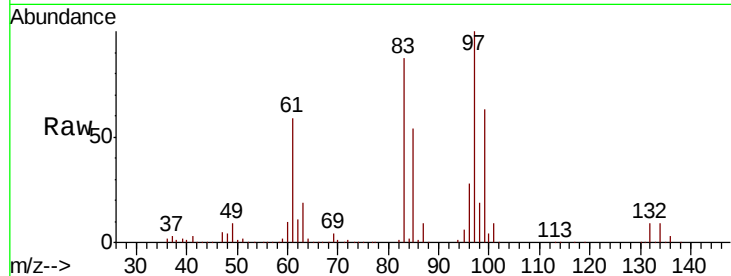
#55
 1,1,2-Trichloroethane
 Concen: 52.313 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	138826
Ion Ratio	Lower	Upper	
97	100		
83	87.1	66.4	99.6
85	53.9	43.3	64.9
99	63.3	49.0	73.4

Manual Integrations
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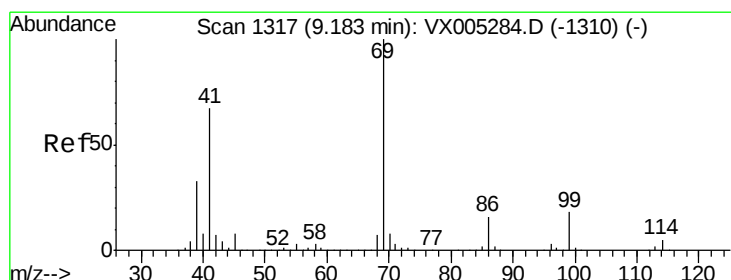
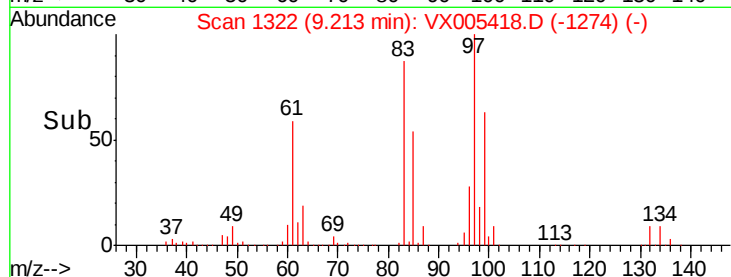
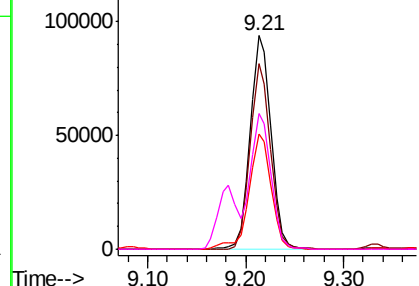
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

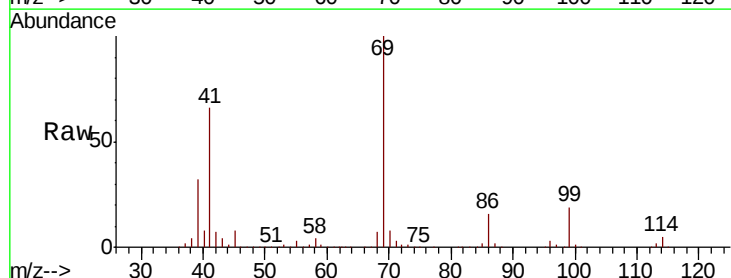
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 55.879 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Tgt Ion	69	Resp	216178
Ion Ratio	Lower	Upper	
69	100		
41	67.3	51.0	76.4
39	32.7	26.1	39.1

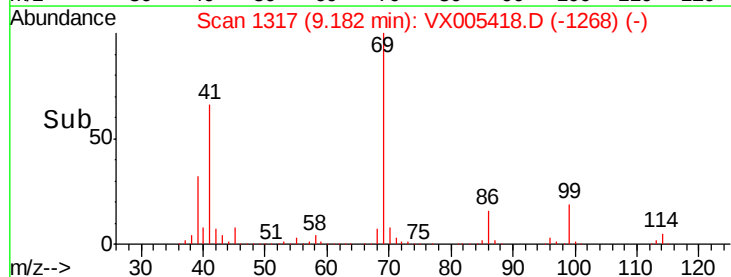
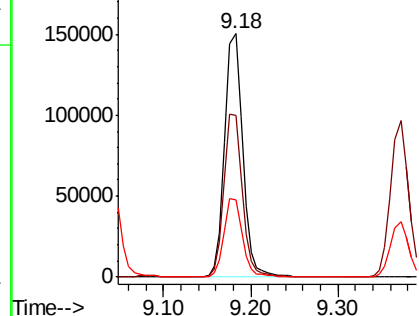


Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.435 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 227825

Ion Ratio Lower Upper

76 100

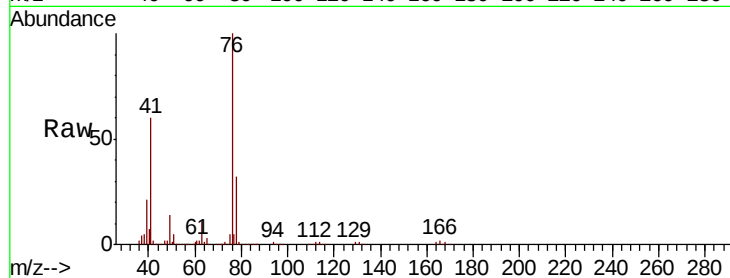
78 32.2 25.5 38.3

Manual Integrations

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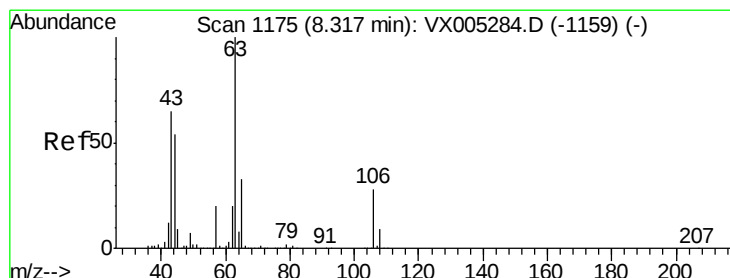
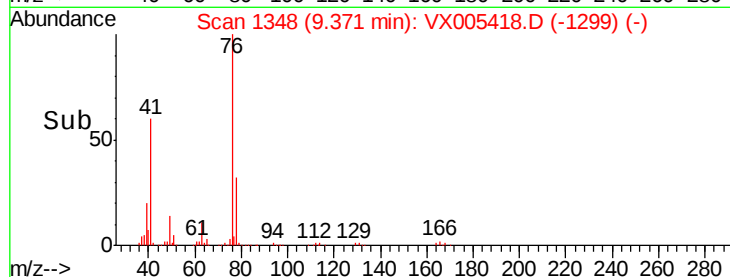
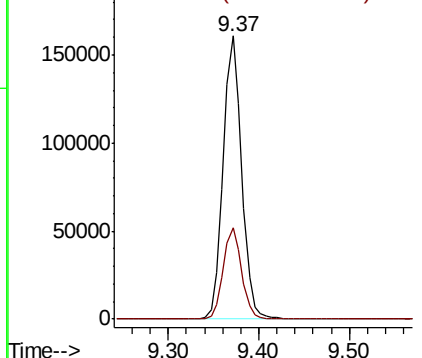
MMDadoda

10/19/2018 1:51:27 PM



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: 307.347 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005418.D

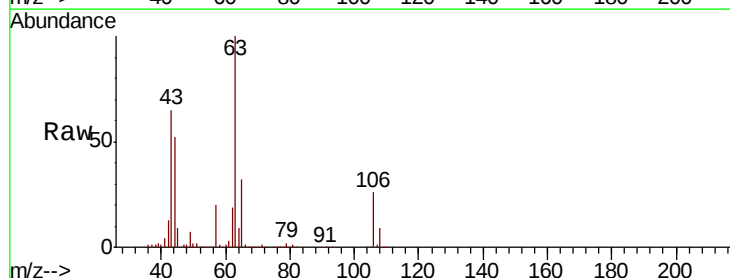
Acq: 18 Oct 2018 09:44

Tgt Ion: 63 Resp: 666830

Ion Ratio Lower Upper

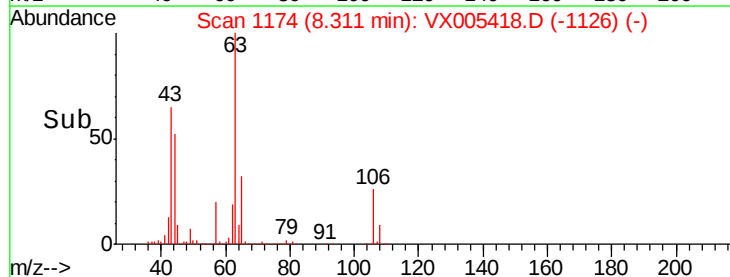
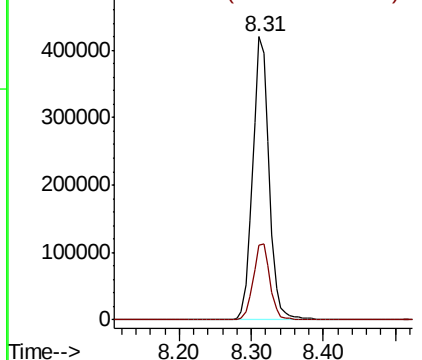
63 100

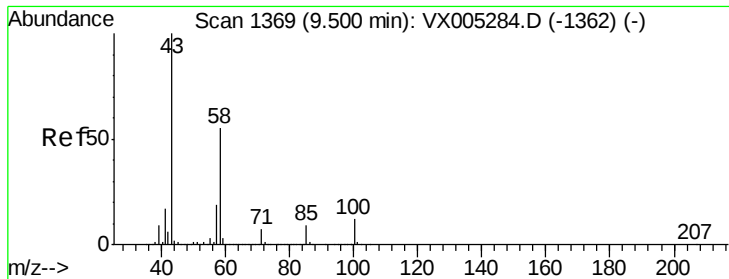
106 27.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





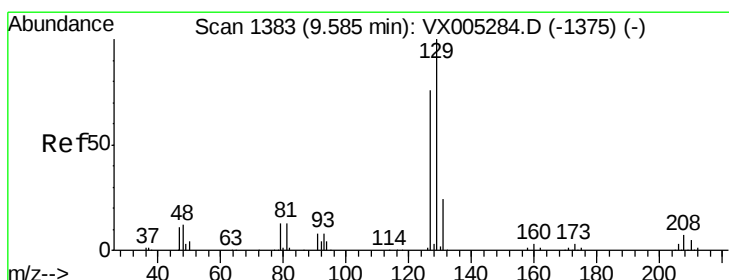
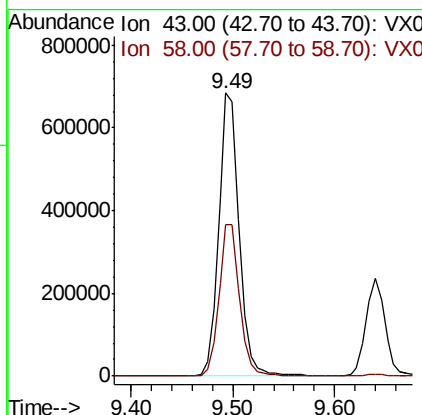
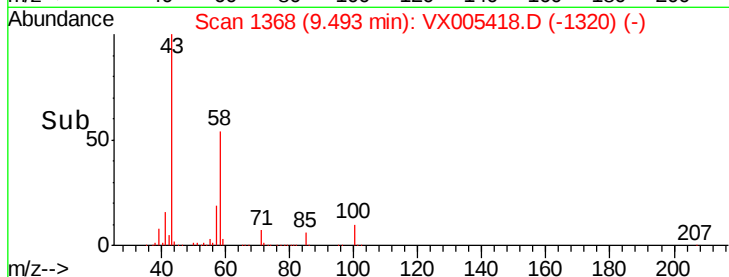
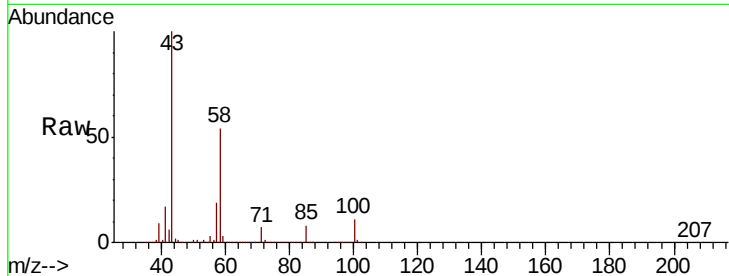
#59
2-Hexanone
Concen: 263.869 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 961205
Ion Ratio Lower Upper
43 100
58 54.1 29.0 87.0

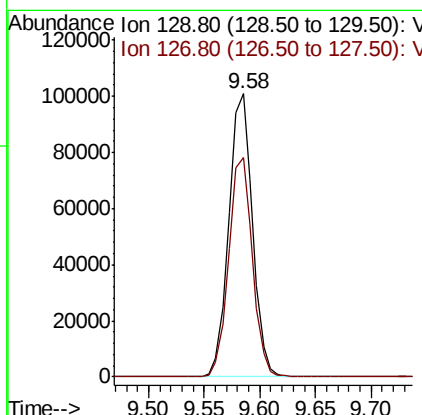
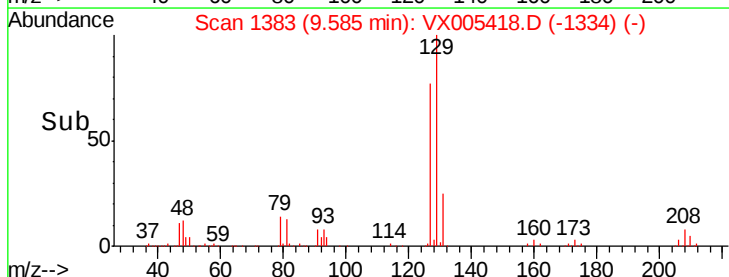
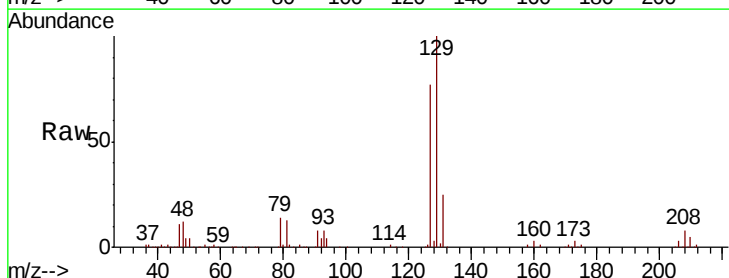
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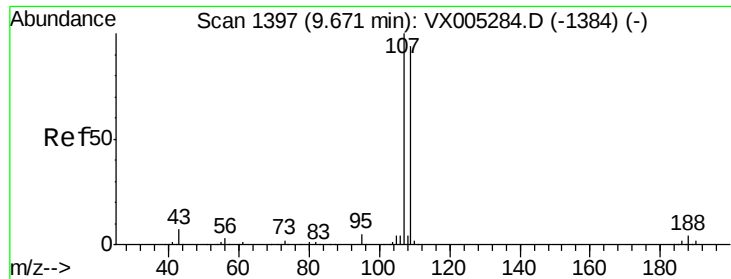
MMDadoda
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#60
Dibromochloromethane
Concen: 54.102 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion: 129 Resp: 148409
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





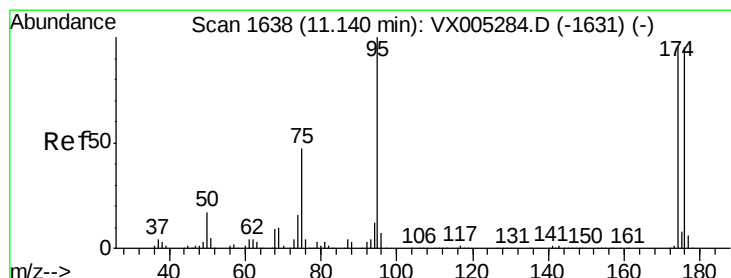
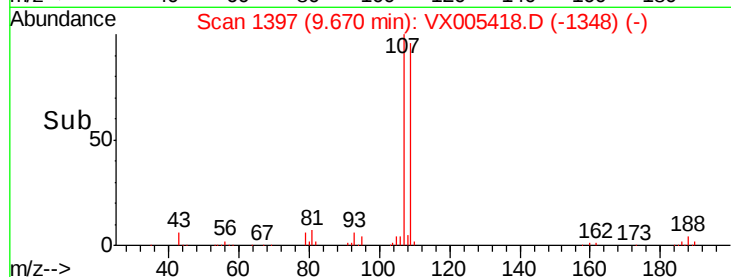
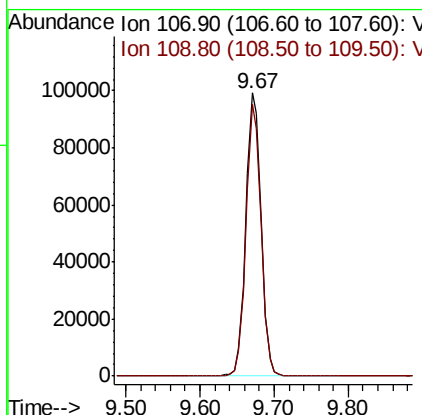
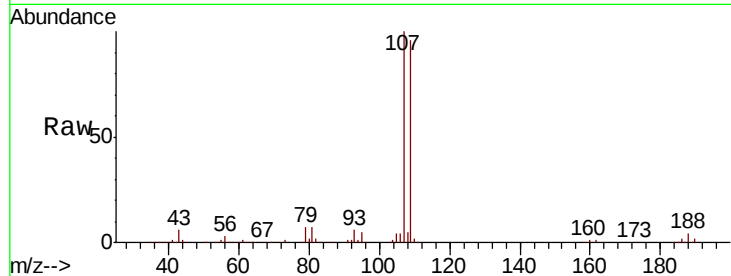
#61
 1,2-Dibromoethane
 Concen: 51.491 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.0	114.0

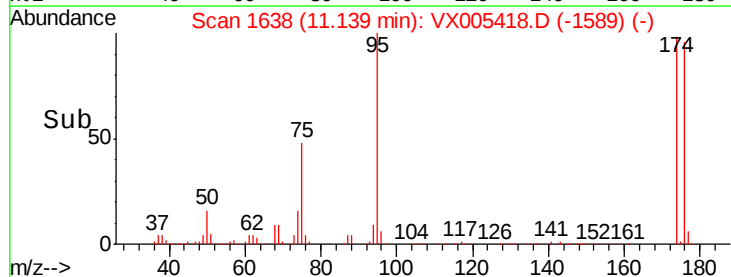
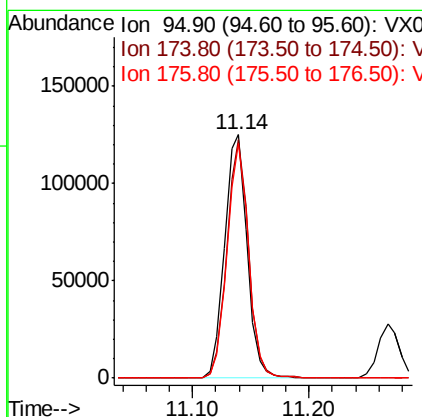
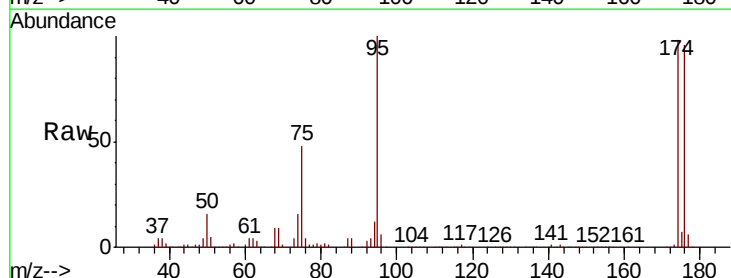
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 49.721 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.5	0.0	185.2
176	92.6	0.0	178.6





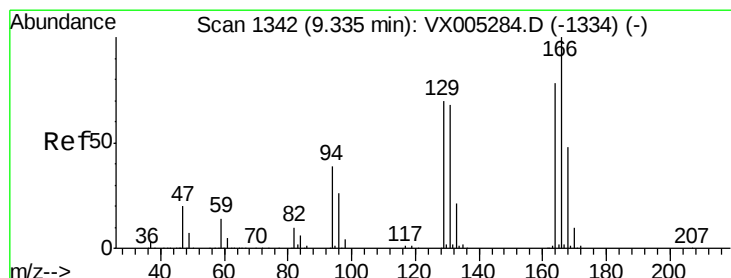
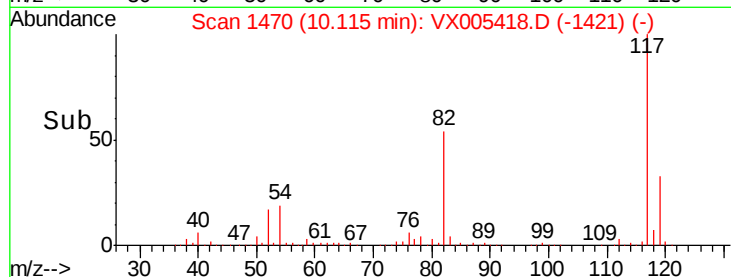
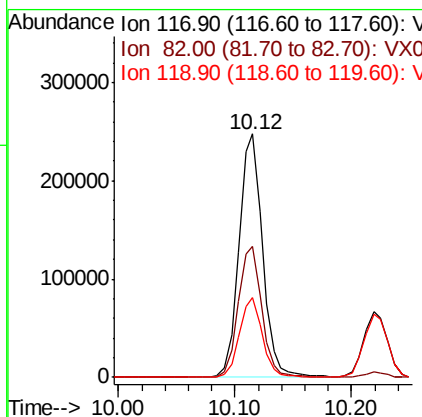
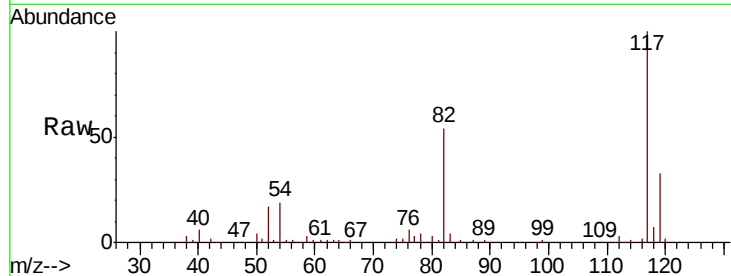
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	47.8	71.6
119	33.0	29.3	43.9

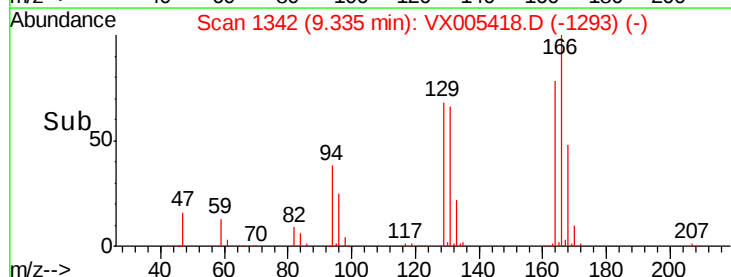
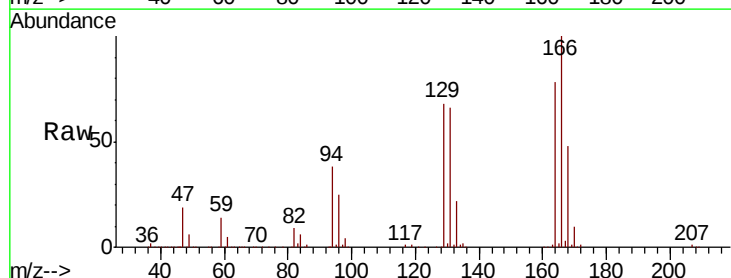
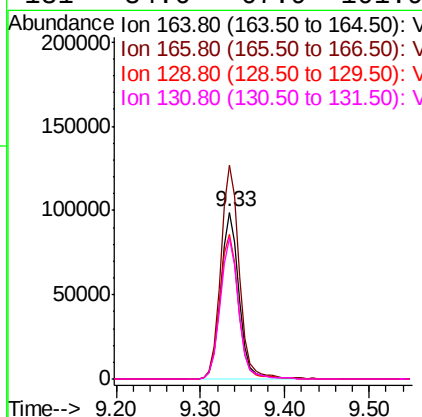
Manual Integrations
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#64
Tetrachloroethene
Concen: 52.959 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.8	154.2
129	87.0	69.4	104.0
131	84.6	67.9	101.9





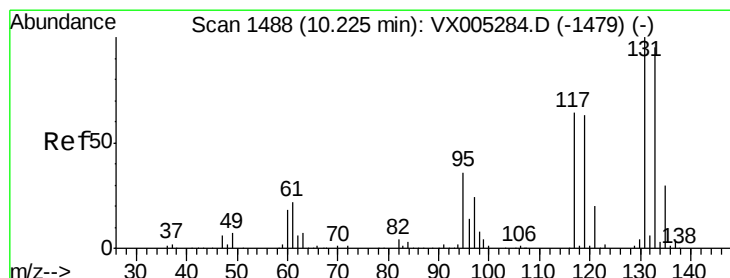
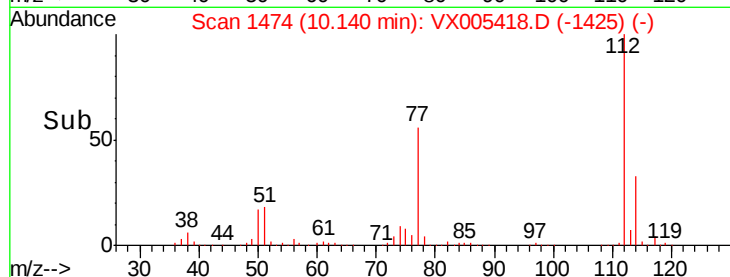
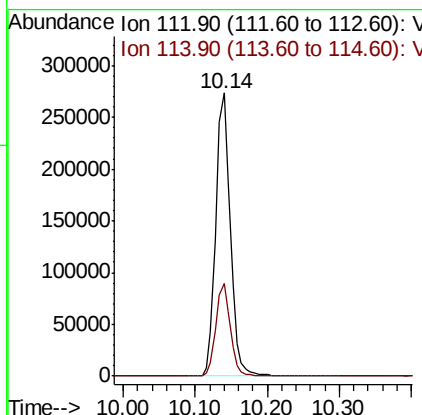
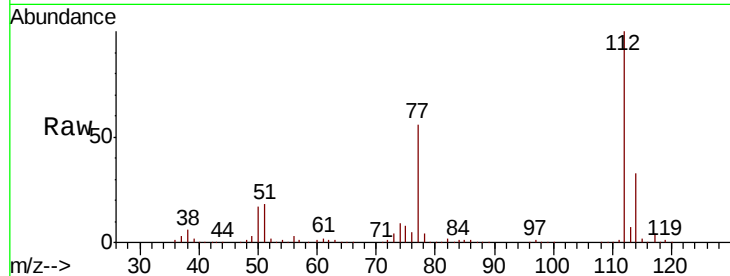
#65
Chlorobenzene
Concen: 51.451 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 381807
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

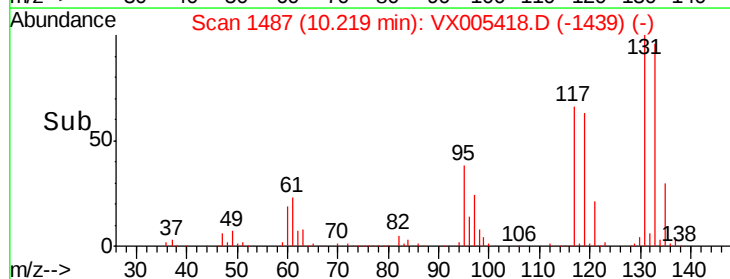
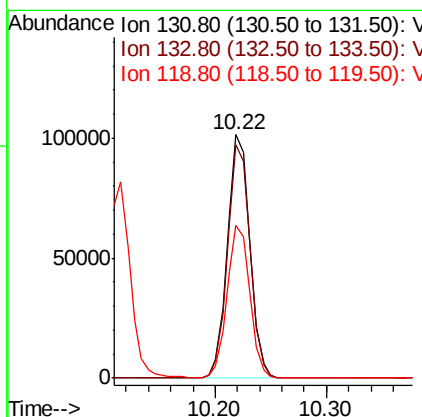
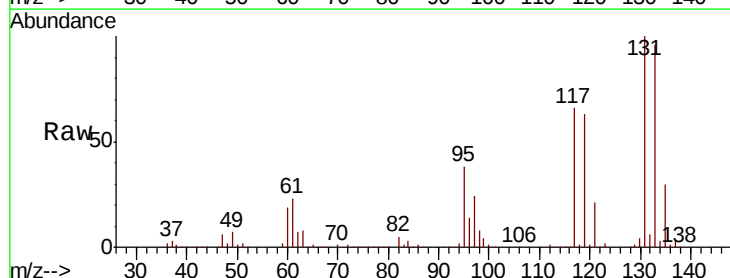
Manual Integrations
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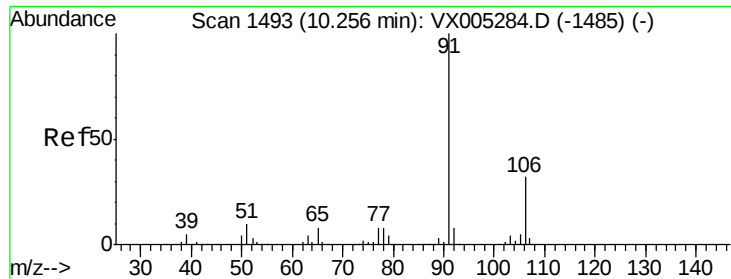
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.472 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion:131 Resp: 141404
Ion Ratio Lower Upper
131 100
133 96.3 48.1 144.4
119 63.8 32.9 98.6





#67

Ethyl Benzene

Concen: 53.795 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 648968

Ion Ratio Lower Upper

91 100

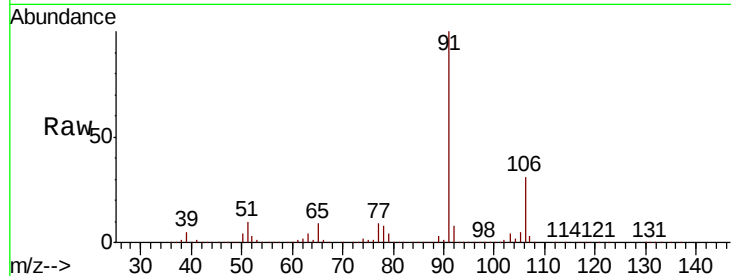
106 30.7 25.9 38.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005284.D (-1485) (-)

800000

600000

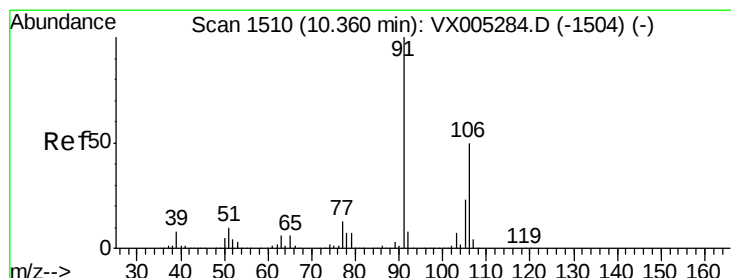
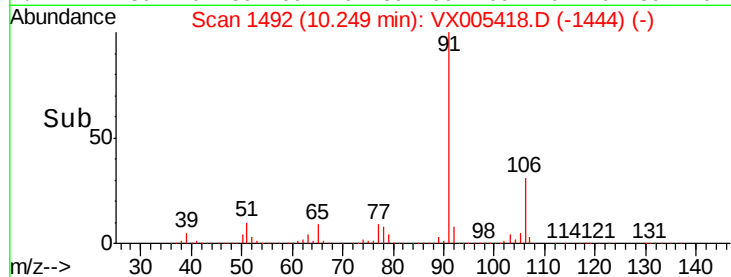
400000

200000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 109.211 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005418.D

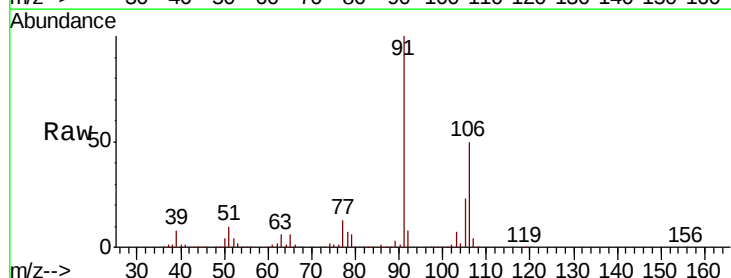
Acq: 18 Oct 2018 09:44

Tgt Ion: 106 Resp: 511365

Ion Ratio Lower Upper

106 100

91 201.7 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX005284.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1504) (-)

800000

600000

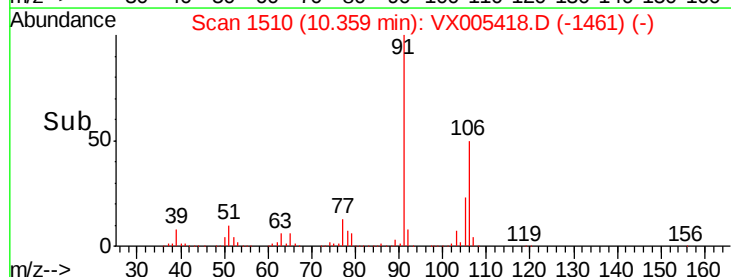
400000

200000

0

10.30 10.36 10.40 10.50

Time-->





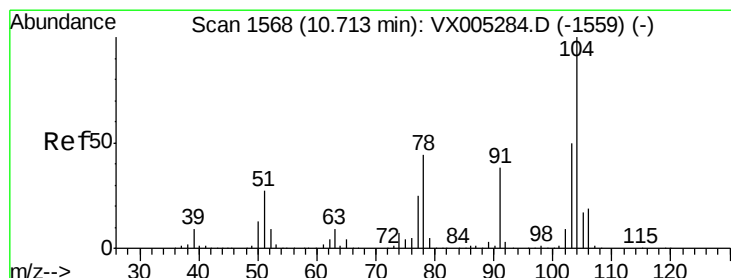
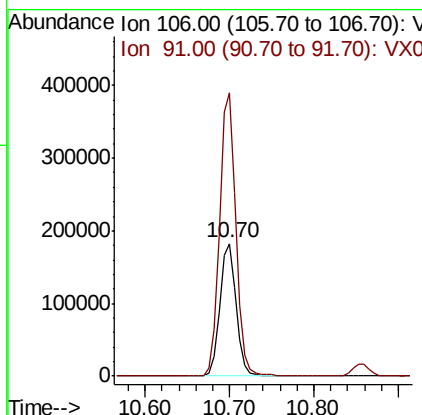
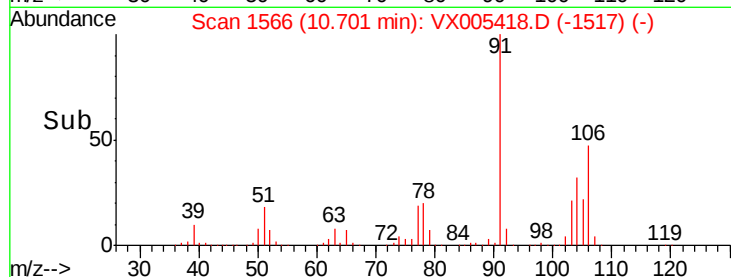
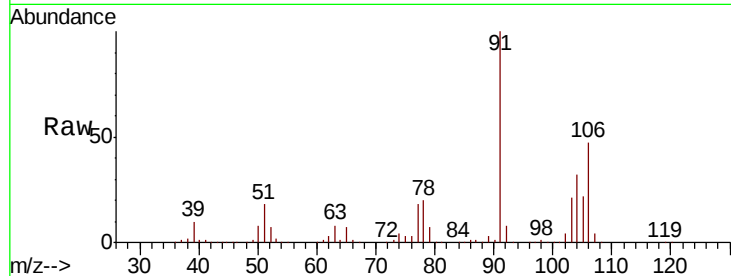
#69
o-Xylene
Concen: 54.070 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 244168
Ion Ratio Lower Upper
106 100
91 214.0 105.1 315.1

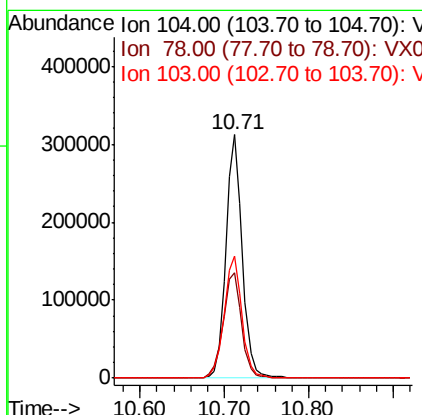
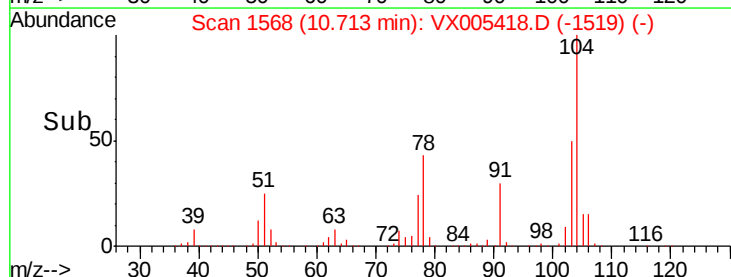
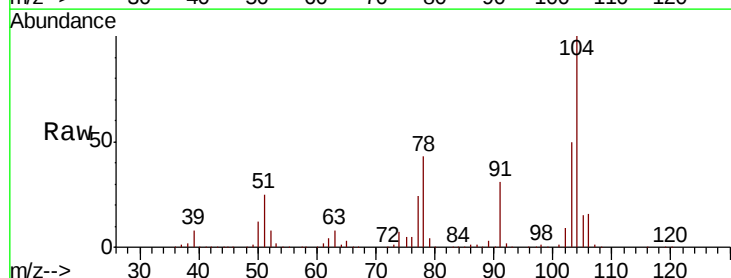
Manual Integrations
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#70
Styrene
Concen: 55.655 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion:104 Resp: 413381
Ion Ratio Lower Upper
104 100
78 49.3 37.4 56.0
103 55.2 43.8 65.6





#71

Bromoform

Concen: 53.764 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

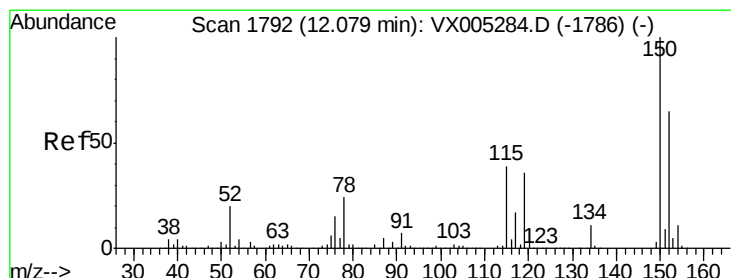
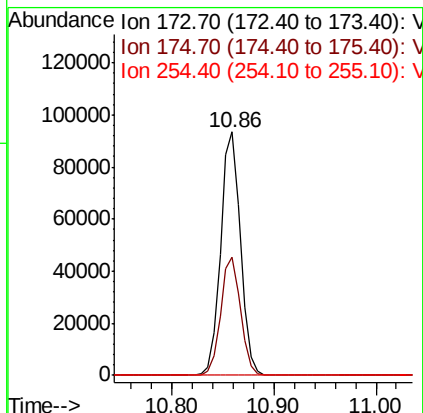
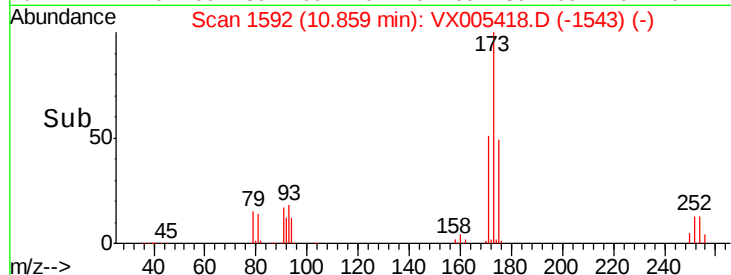
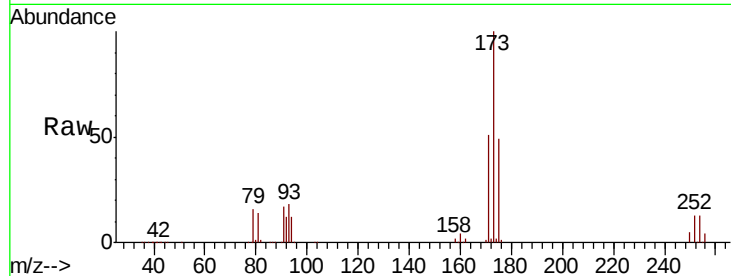
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.3
254	0.1	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

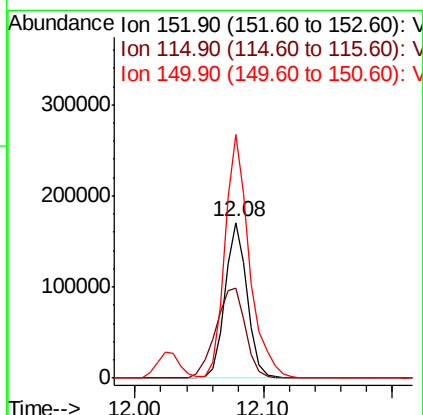
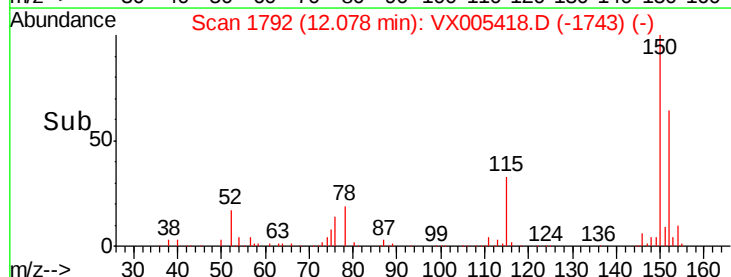
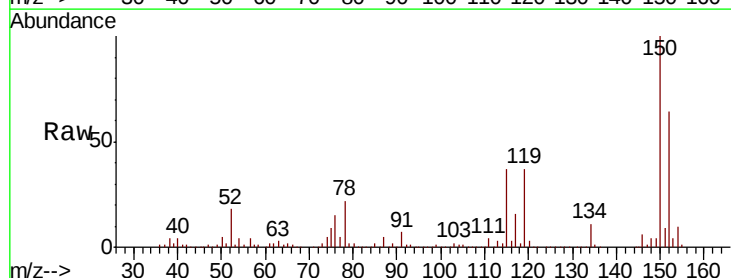
RT: 12.08 min Scan# 1792

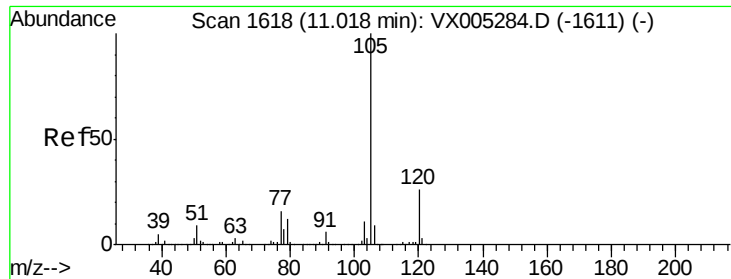
Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.0	39.0	117.0
150	173.9	0.0	351.0





#73

Isopropylbenzene

Concen: 55.070 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 670042

Ion Ratio Lower Upper

105 100

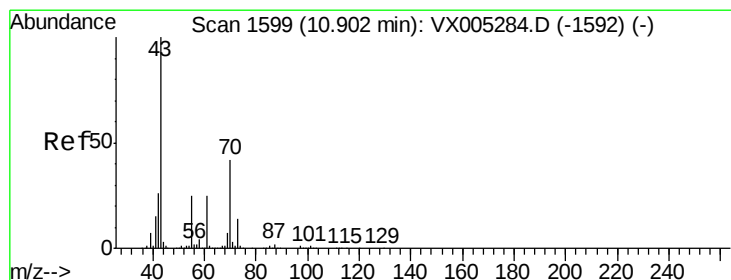
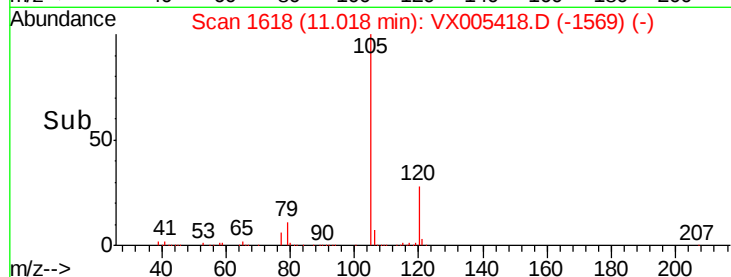
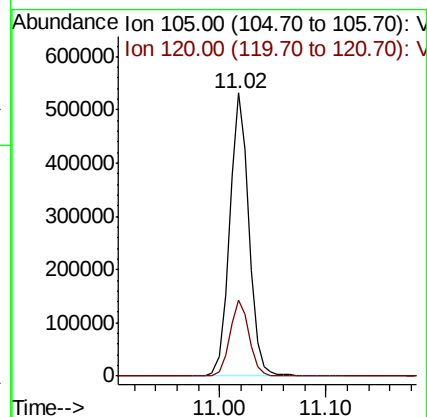
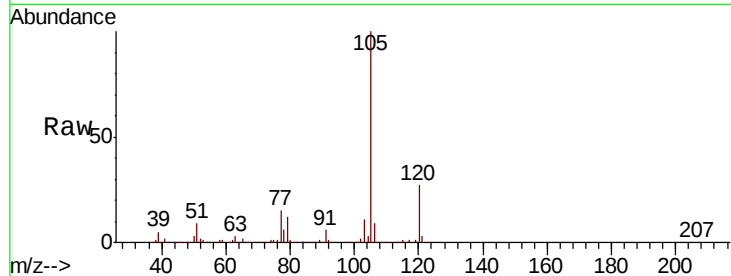
120 27.0 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.484 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tgt Ion: 43 Resp: 308000

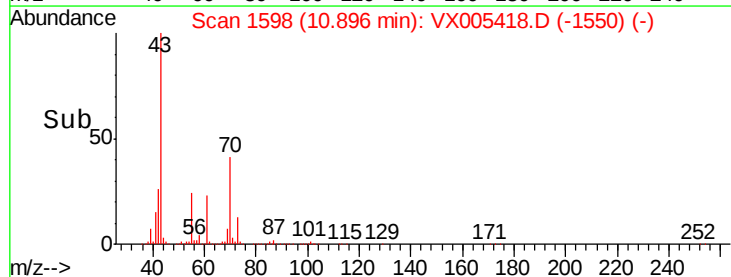
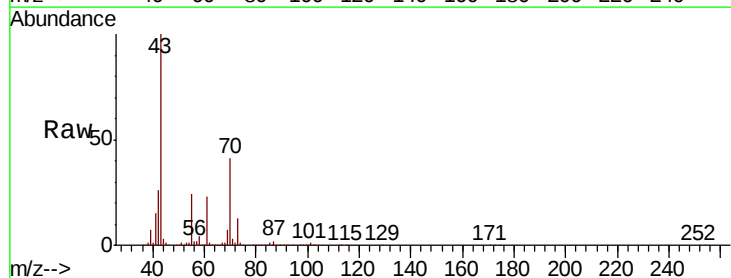
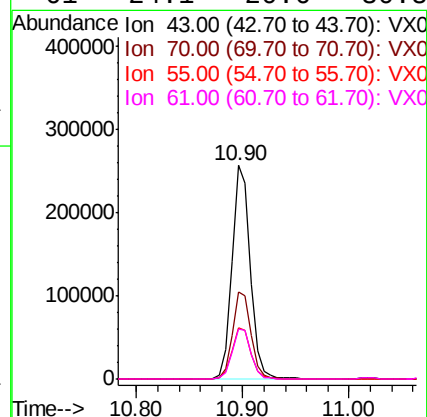
Ion Ratio Lower Upper

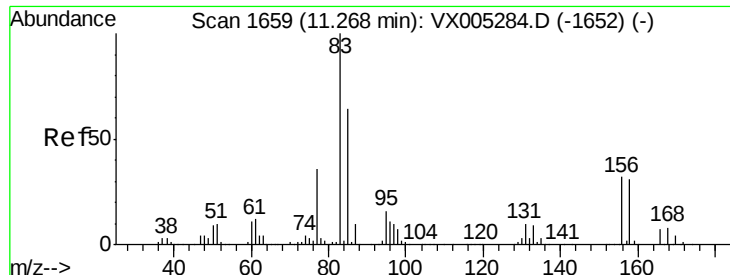
43 100

70 41.6 37.4 56.0

55 24.9 21.8 32.8

61 24.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.115 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

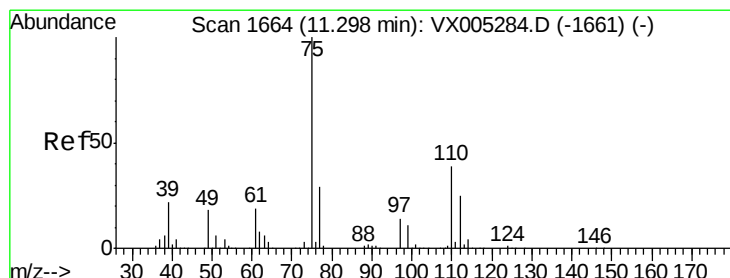
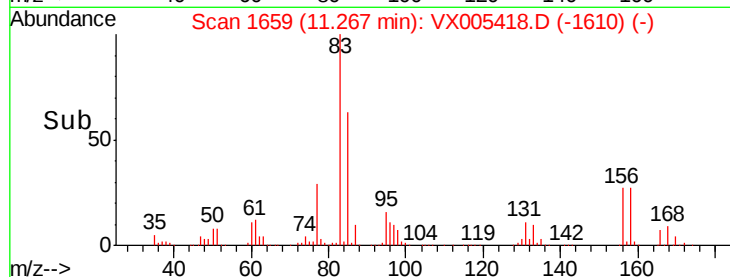
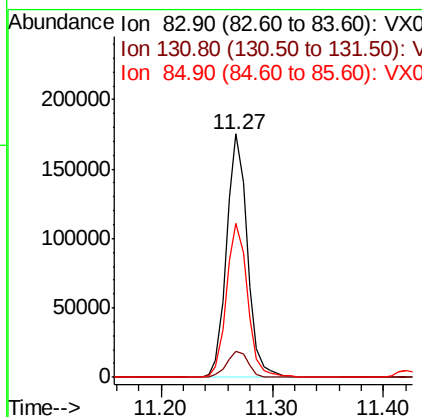
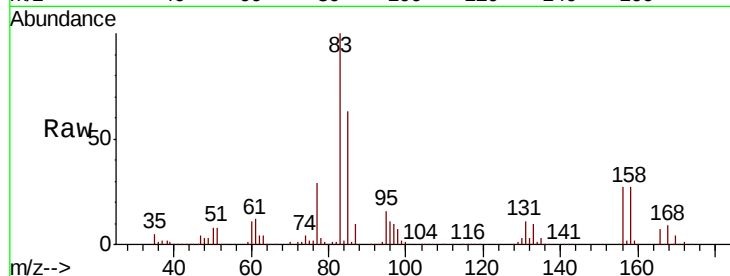
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	225427
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.767 ug/l m

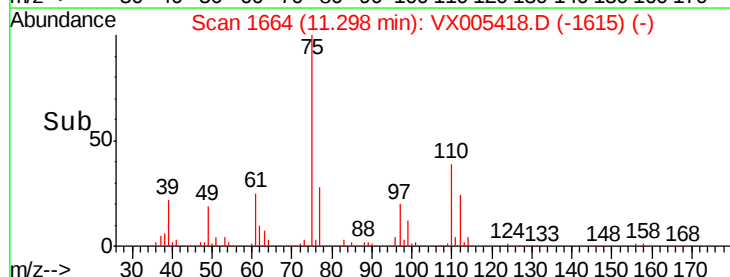
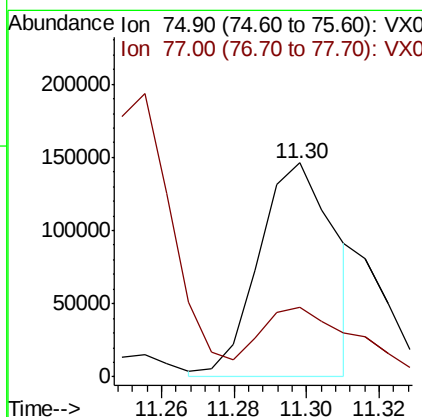
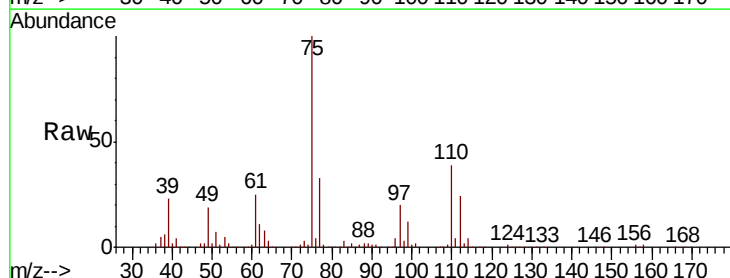
RT: 11.30 min Scan# 1664

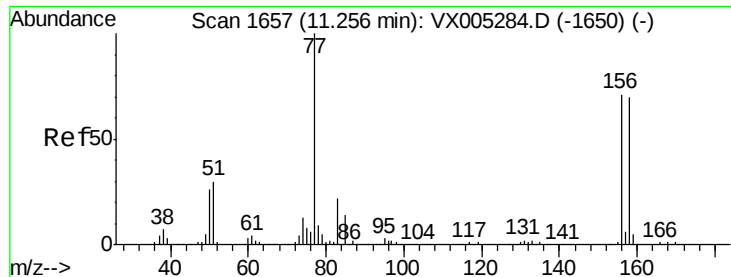
Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tgt Ion:	75	Resp:	213459
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.2	60.6





#77

Bromobenzene

Concen: 52.157 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

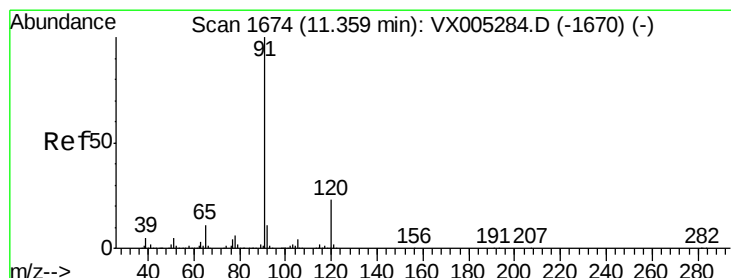
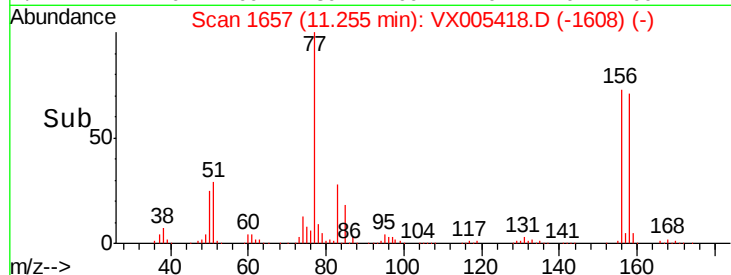
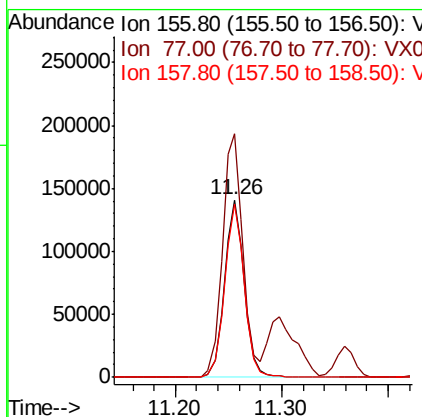
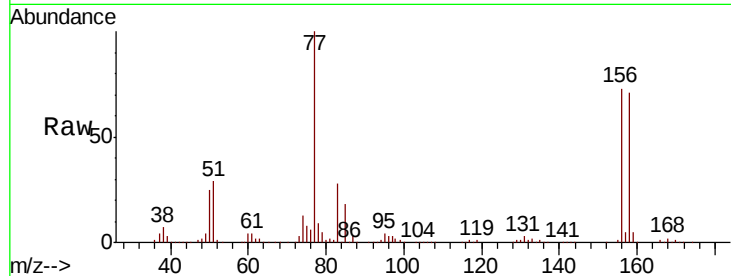
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	181451
Ion Ratio	Lower	Upper	
156	100		
77	141.8	71.5	214.3
158	97.4	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 55.565 ug/l

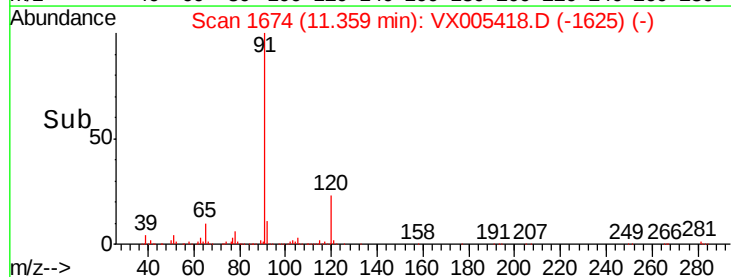
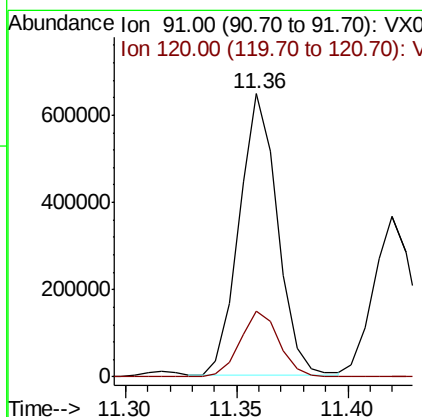
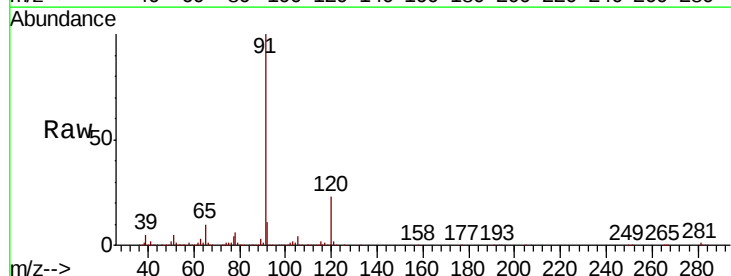
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Tgt Ion:	91	Resp:	777984
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.9





#79

2-Chlorotoluene

Concen: 52.977 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 454274

Ion Ratio Lower Upper

91 100

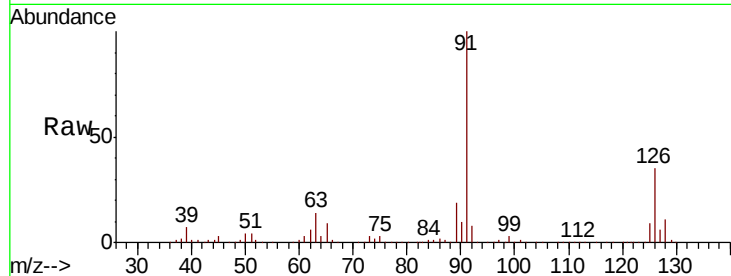
126 35.3 17.9 53.7

Manual Integrations

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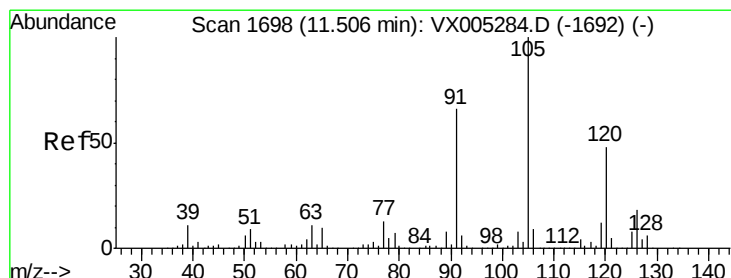
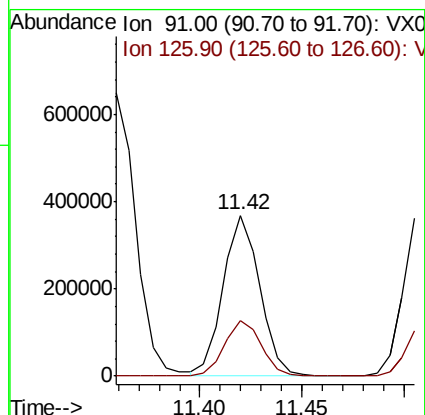
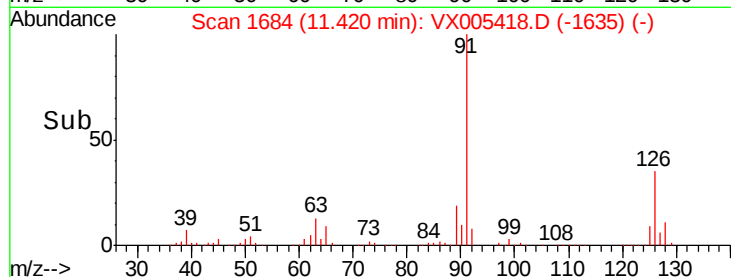
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.570 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005418.D

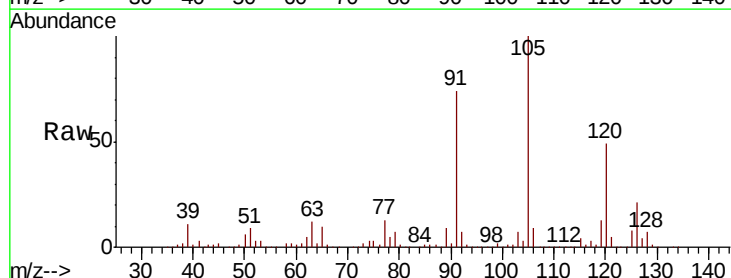
Acq: 18 Oct 2018 09:44

Tgt Ion: 105 Resp: 578999

Ion Ratio Lower Upper

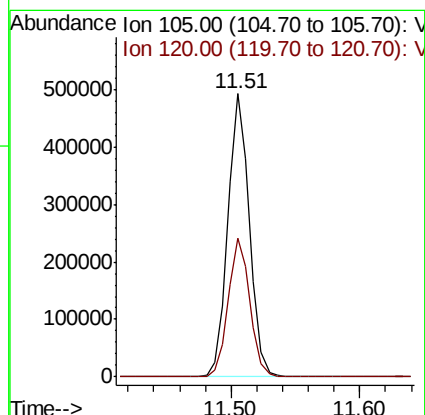
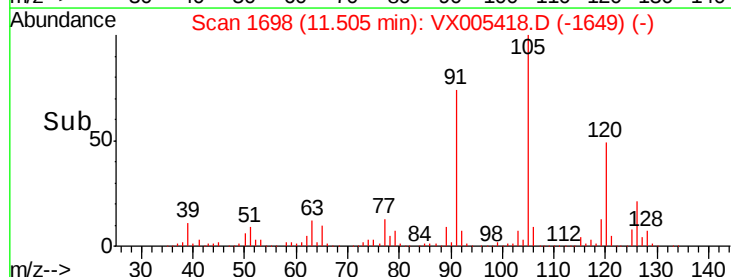
105 100

120 49.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.059 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 69327

Ion Ratio Lower Upper

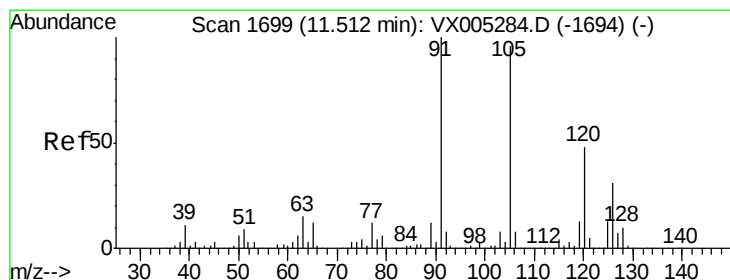
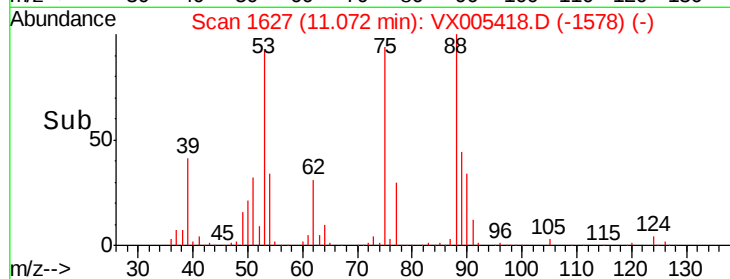
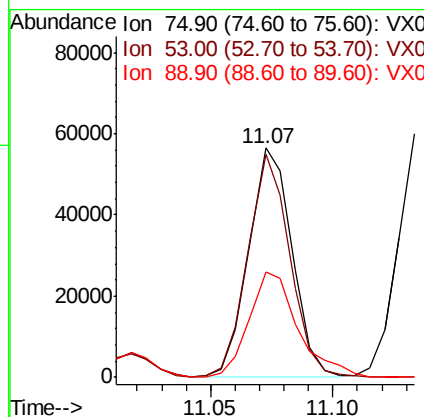
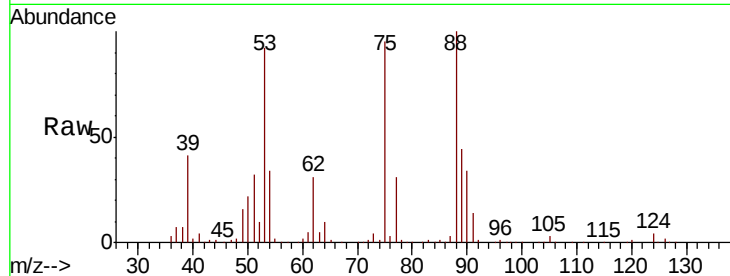
75 100

53 94.9 80.1 120.1

89 52.7 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.695 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005418.D

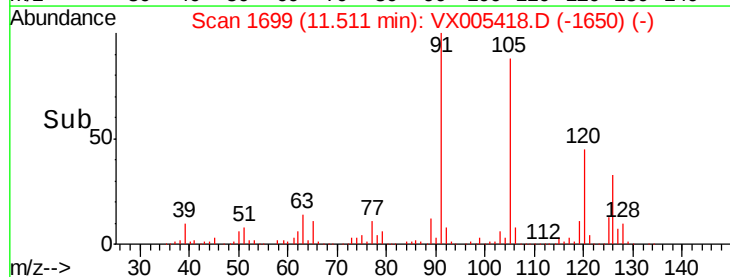
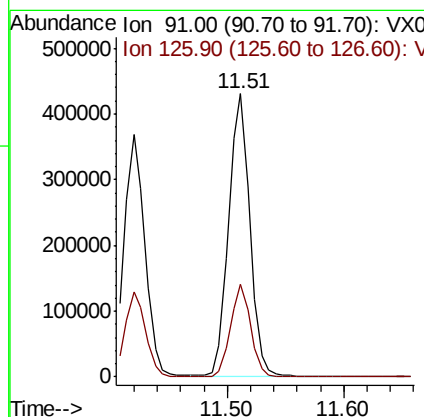
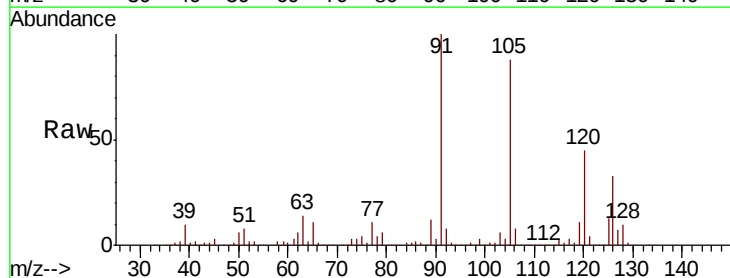
Acq: 18 Oct 2018 09:44

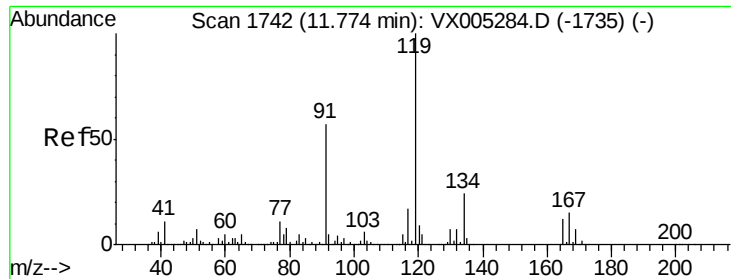
Tgt Ion: 91 Resp: 545804

Ion Ratio Lower Upper

91 100

126 31.2 15.5 46.5





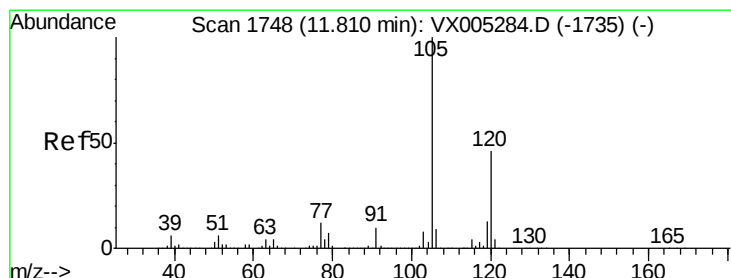
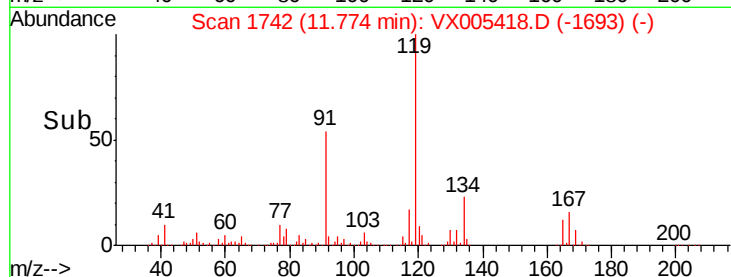
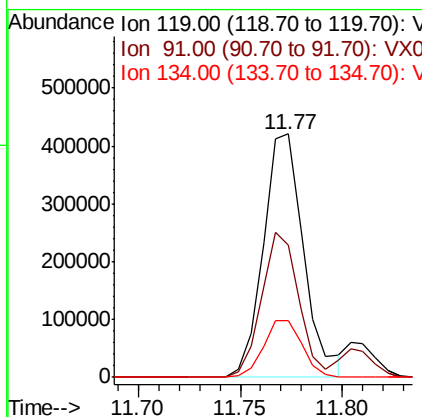
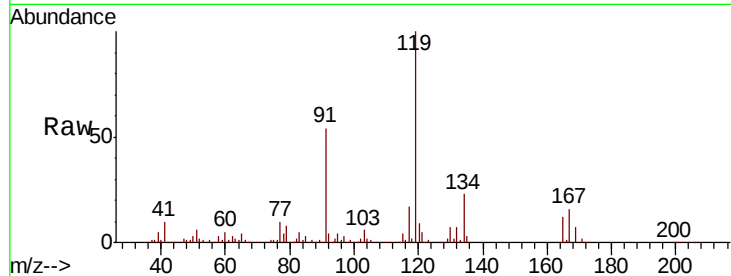
#83
tert-Butylbenzene
Concen: 55.129 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.7	27.0	81.0
134	22.6	11.7	35.1

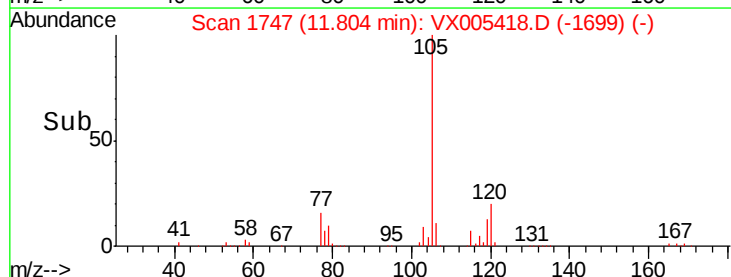
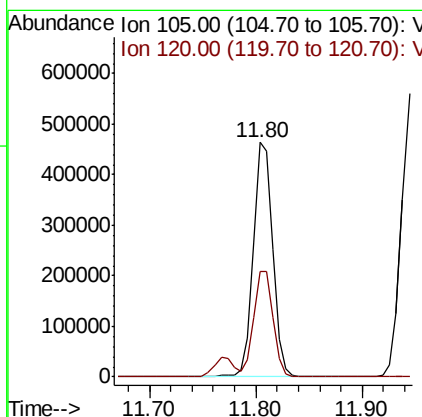
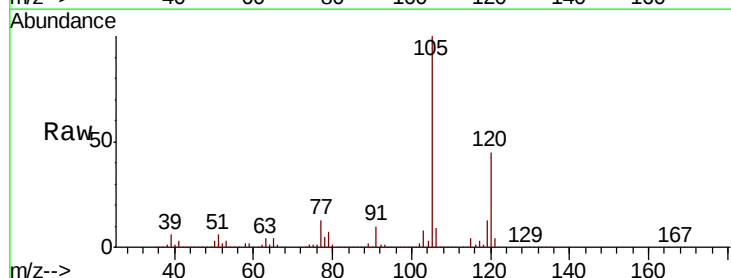
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 55.648 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.2	69.6





#85

sec-Butylbenzene

Concen: 56.175 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 701429

Ion Ratio Lower Upper

105 100

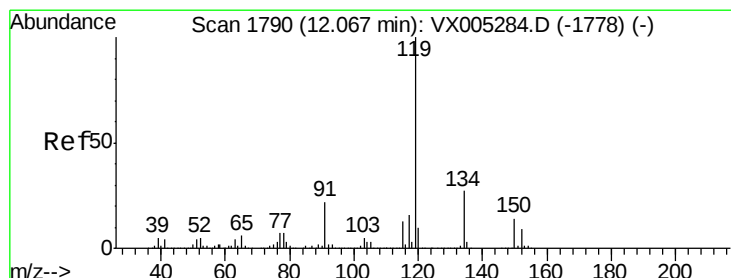
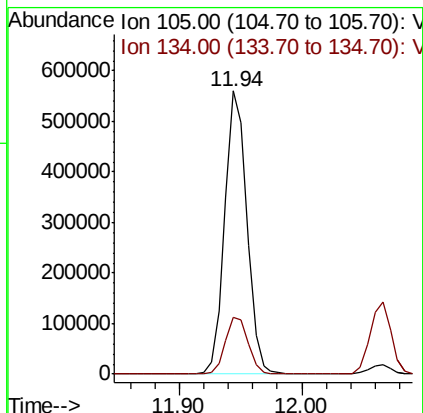
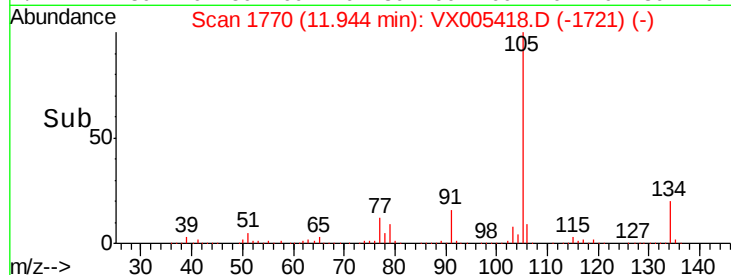
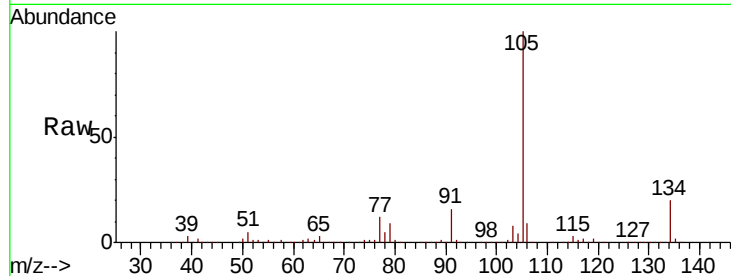
134 20.6 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.730 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005418.D

Acq: 18 Oct 2018 09:44

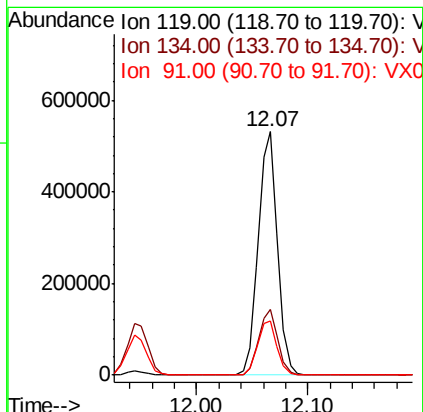
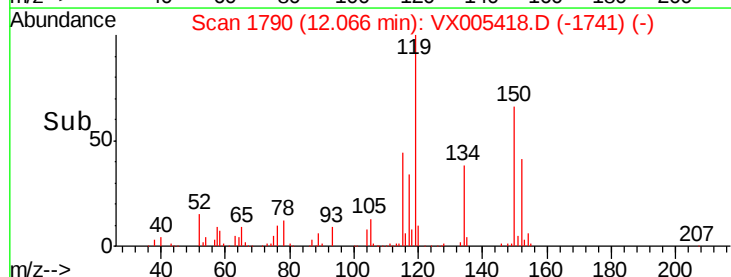
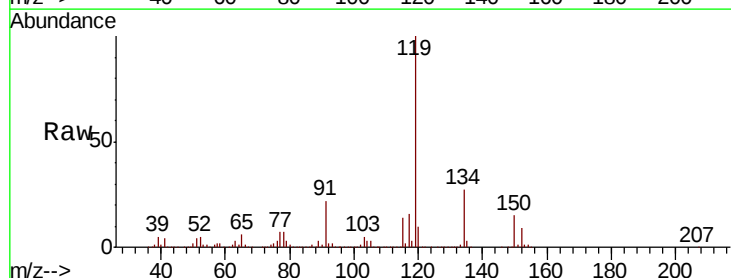
Tgt Ion:119 Resp: 640239

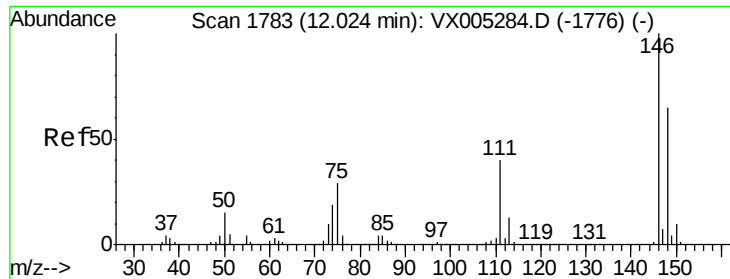
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.4 10.9 32.7





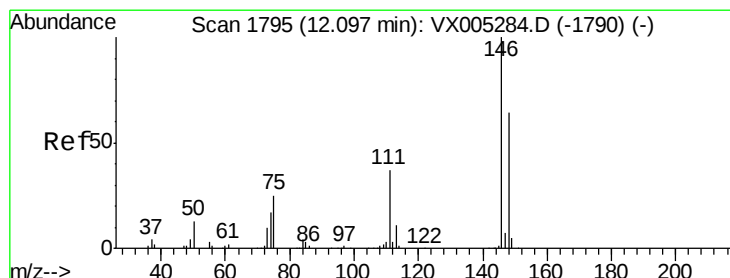
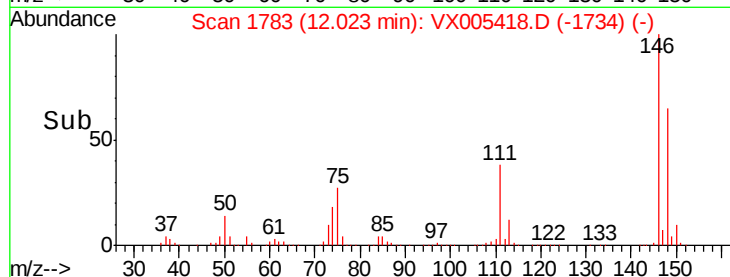
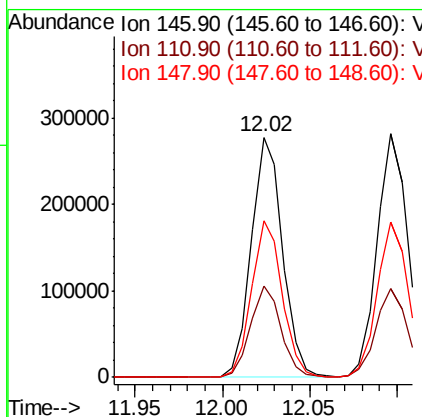
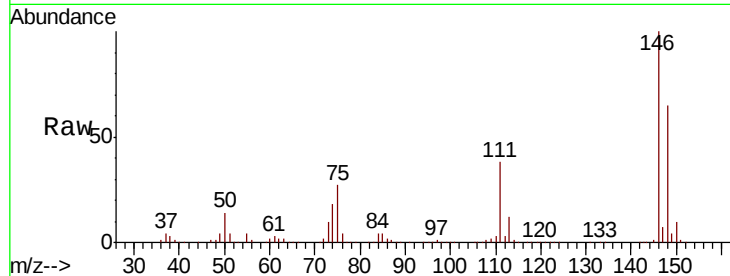
#87
 1,3-Dichlorobenzene
 Concen: 52.922 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.4	32.1	96.5

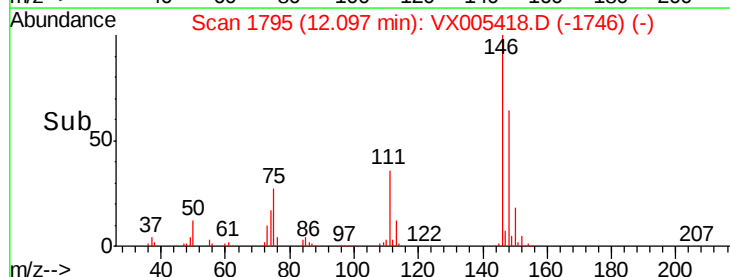
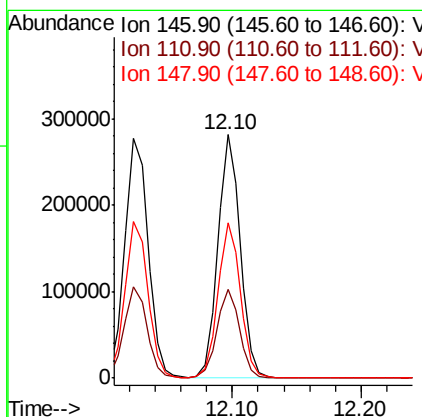
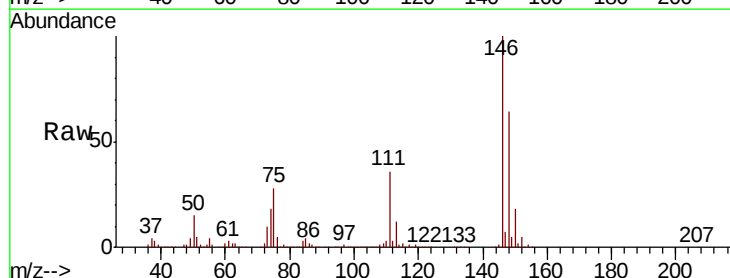
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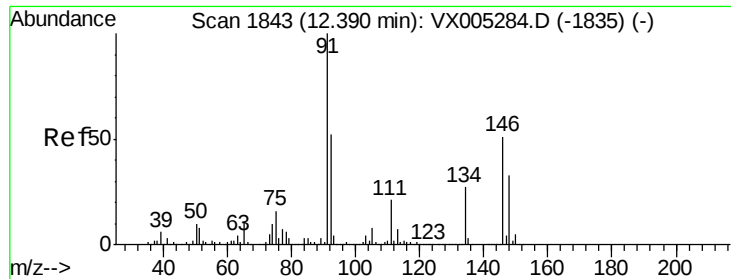
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#88
 1,4-Dichlorobenzene
 Concen: 51.972 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	64.4	32.0	96.0





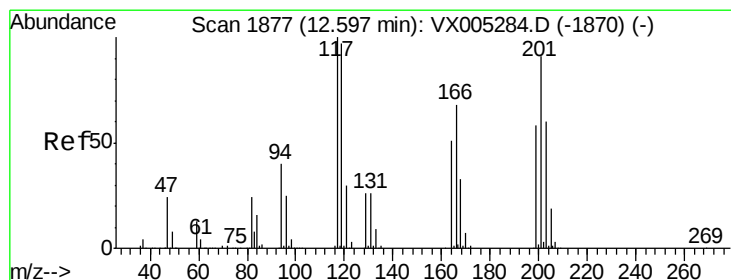
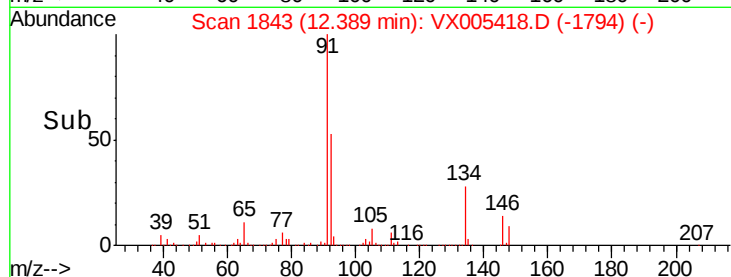
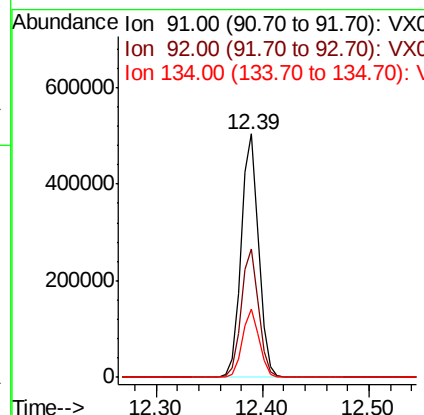
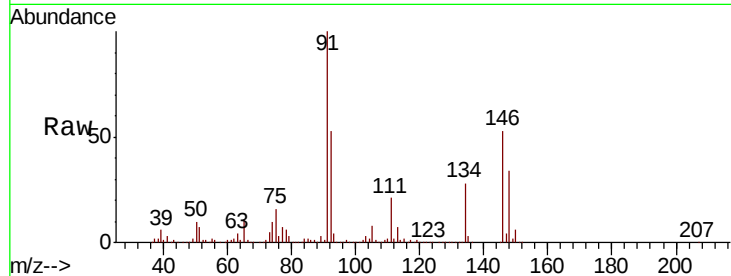
#89
n-Butylbenzene
Concen: 56.366 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.3	81.9
134	27.3	13.6	40.7

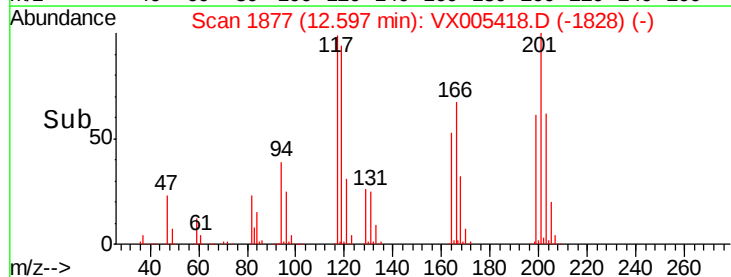
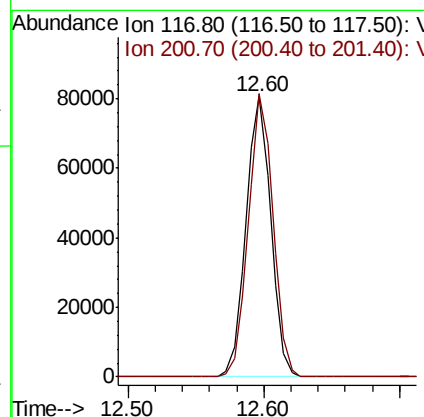
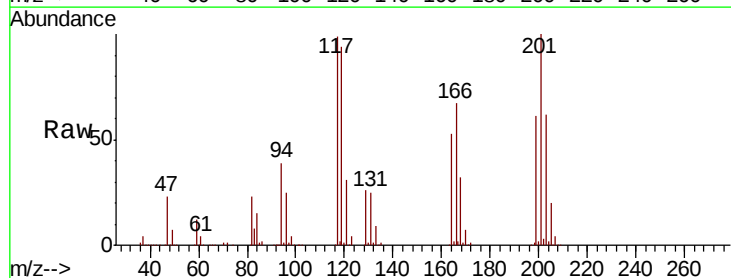
Manual Integrations
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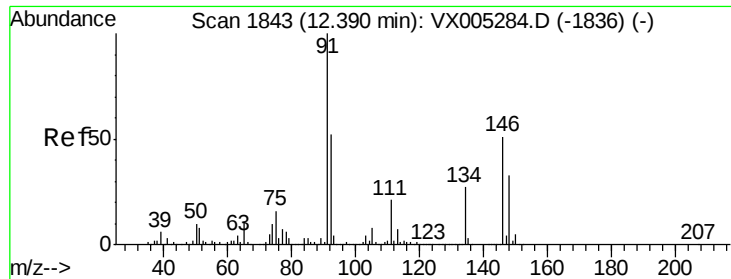
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#90
Hexachloroethane
Concen: 52.761 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.4	46.9	140.6





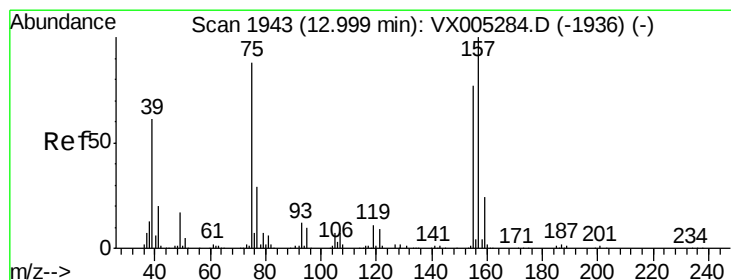
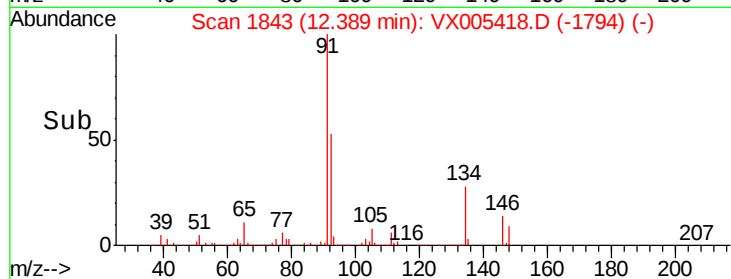
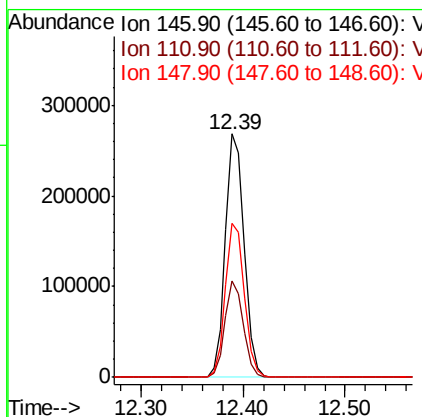
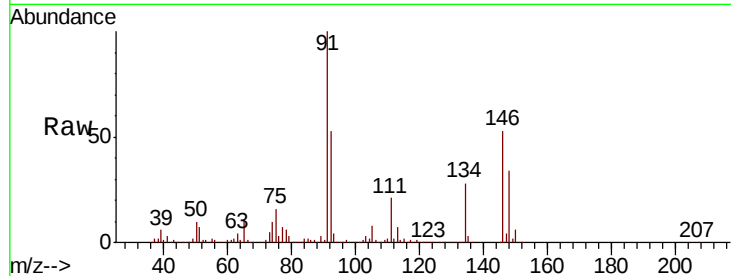
#91
 1,2-Dichlorobenzene
 Concen: 51.724 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	63.8	32.8	98.3

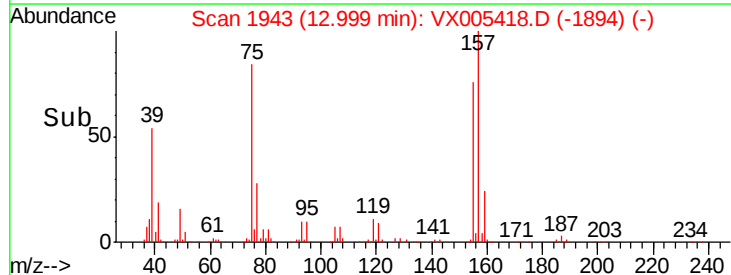
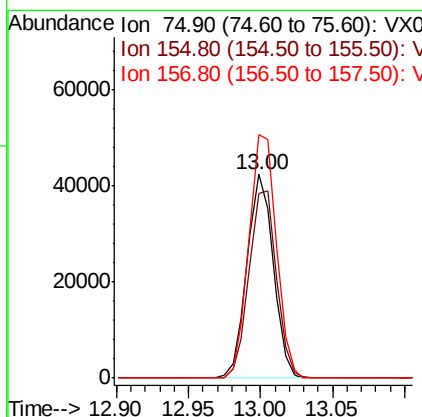
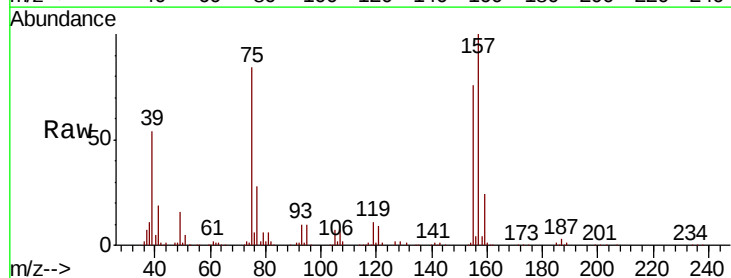
Manual Integrations
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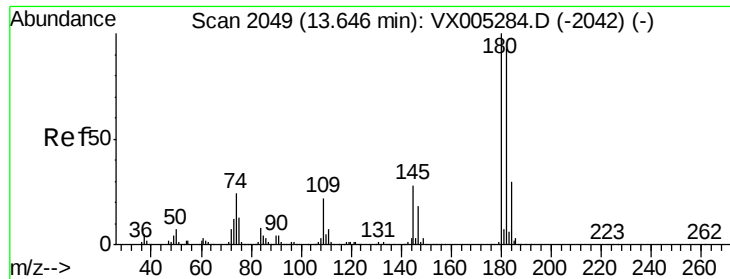
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 10/19/2018 1:51:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.680 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	48.0	144.2
157	124.5	61.4	184.1





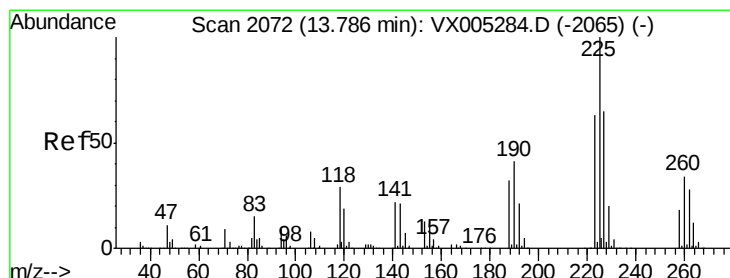
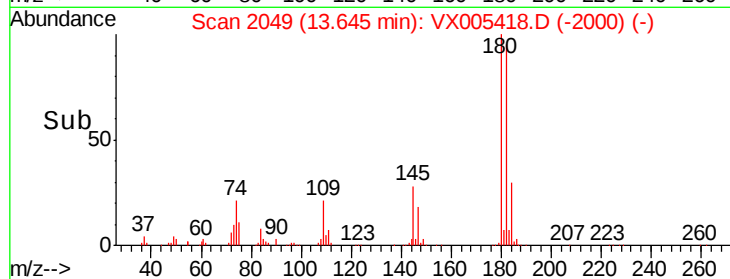
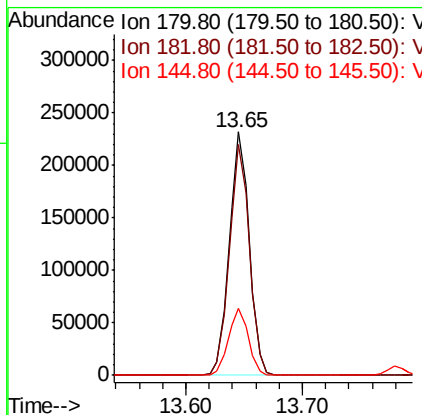
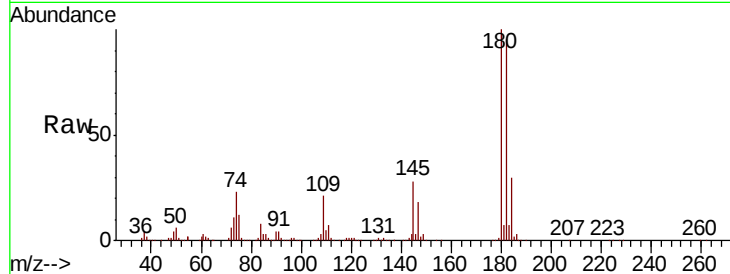
#93
 1,2,4-Trichlorobenzene
 Concen: 56.549 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	275229		
182	95.2	48.4	145.0	
145	27.5	14.3	42.9	

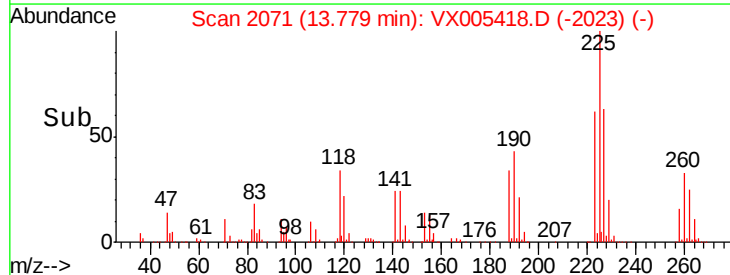
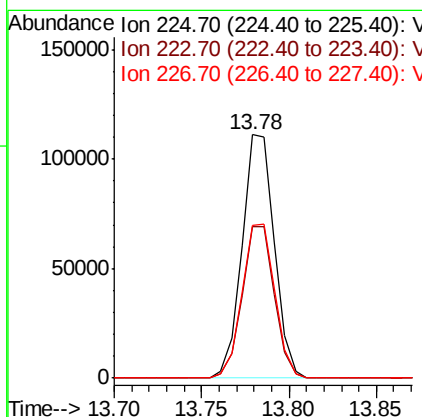
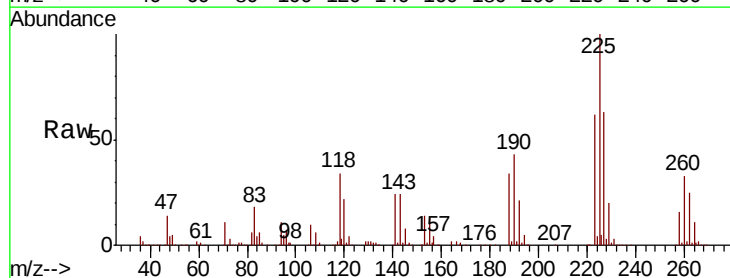
Manual Integrations
 APPROVED

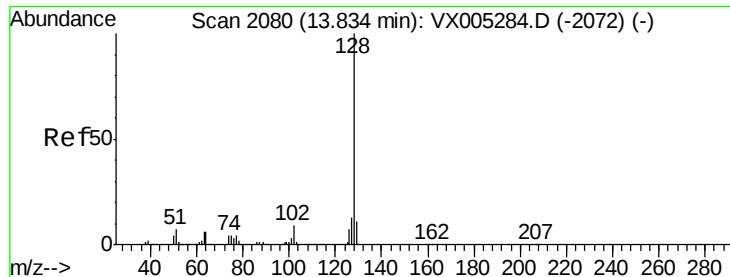
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 55.228 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005418.D
 Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141967		
223	62.4	30.1	90.5	
227	64.1	30.8	92.4	





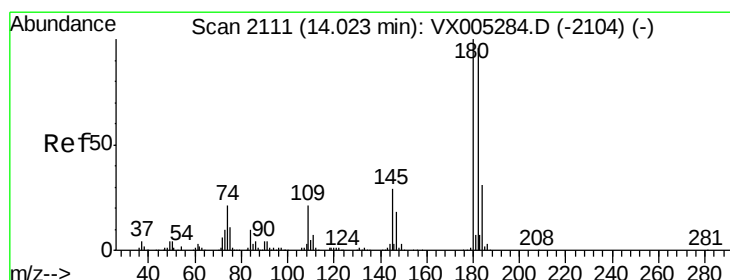
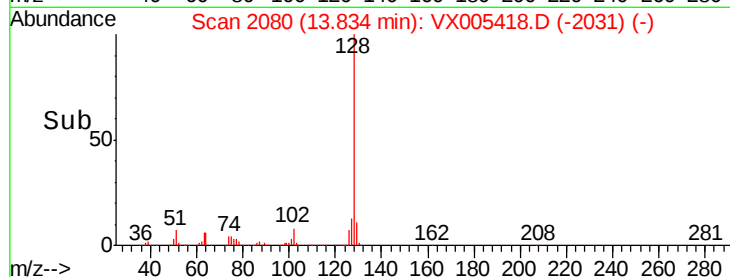
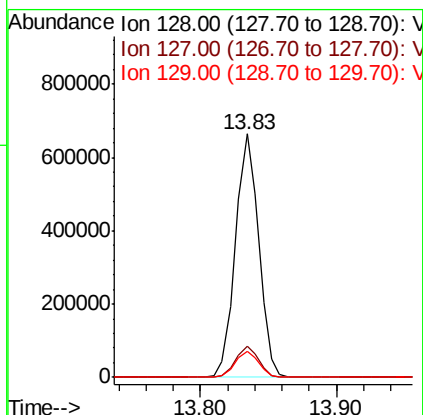
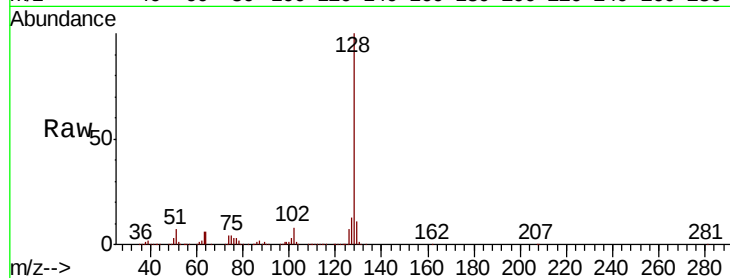
#95
Naphthalene
Concen: 55.968 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 1:51:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.075 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005418.D
Acq: 18 Oct 2018 09:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.6
145	29.7	14.9	44.9

