

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\
 Data File : VX000478.D
 Acq On : 27 Mar 2018 23:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/28/2018 11:41:56 AM

Quant Time: Mar 28 08:21:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	133081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	219304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	235516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	86682	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	5.51	113	70184	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	8.73	98	292257	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.15	95	110544	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	71050	48.44	ug/l	97
3) Chloromethane	1.32	50	66606	43.11	ug/l	98
4) Vinyl Chloride	1.41	62	89278	54.68	ug/l	98
5) Bromomethane	1.64	94	121867	62.34	ug/l	96
6) Chloroethane	1.72	64	58771	59.18	ug/l	98
7) Trichlorofluoromethane	1.93	101	157200	53.35	ug/l	99
8) Diethyl Ether	2.19	74	54445	51.70	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	84250	51.27	ug/l	97
10) Methyl Iodide	2.51	142	57493	36.57	ug/l	98
11) Tert butyl alcohol	3.08	59	166579	278.77	ug/l	100
12) 1,1-Dichloroethene	2.38	96	78874	54.68	ug/l	95
13) Acrolein	2.30	56	47788	250.45	ug/l	98
14) Allyl chloride	2.73	41	143022	56.15	ug/l	99
15) Acrylonitrile	3.15	53	325553	269.00	ug/l	100
16) Acetone	2.45	43	322705	223.31	ug/l	98
17) Carbon Disulfide	2.57	76	211544	55.13	ug/l	99
18) Methyl Acetate	2.78	43	164131	54.17	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	289016	54.17	ug/l	99
20) Methylene Chloride	2.86	84	87068	52.16	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	85107	52.89	ug/l	93
22) Diisopropyl ether	3.88	45	219166	48.60	ug/l	99
23) Vinyl Acetate	3.84	43	1027454	240.35	ug/l	100
24) 1,1-Dichloroethane	3.70	63	154457	54.48	ug/l	100
25) 2-Butanone	4.71	43	401253	247.03	ug/l	100
26) 2,2-Dichloropropane	4.60	77	94006	47.31	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	77291	51.39	ug/l	97
28) Bromochloromethane	5.03	49	79040	67.61	ug/l	99
29) Tetrahydrofuran	5.18	42	265141	265.30	ug/l	99
30) Chloroform	5.23	83	142760	53.73	ug/l	99
31) Cyclohexane	5.58	56	113903	51.97	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	125742	52.46	ug/l	98
36) 1,1-Dichloropropene	5.81	75	103857	50.56	ug/l	98
37) Ethyl Acetate	4.87	43	140536	50.08	ug/l	99
38) Carbon Tetrachloride	5.79	117	110095	51.09	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	131182	52.51	ug/l	97
40) Benzene	6.15	78	313896	52.62	ug/l	99
41) Methacrylonitrile	5.07	41	73882	49.94	ug/l	98
42) 1,2-Dichloroethane	6.21	62	122838	52.48	ug/l	99
43) Isopropyl Acetate	6.48	43	223686	53.55	ug/l	99
44) Trichloroethene	7.22	130	86735	50.75	ug/l	98
45) 1,2-Dichloropropane	7.52	63	83559	54.72	ug/l	98
46) Dibromomethane	7.67	93	63038	52.59	ug/l	99
47) Bromodichloromethane	7.91	83	117379	55.66	ug/l	100
48) Methyl methacrylate	7.79	41	113356	55.90	ug/l	98
49) 1,4-Dioxane	7.77	88	49750	1167.16	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	901244	278.76	ug/l	98
52) Toluene	8.79	92	231568	55.53	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	132274	54.13	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	137704	58.09	ug/l	94
55) 1,1,2-Trichloroethane	9.23	97	94341	55.01	ug/l	97
56) Ethyl methacrylate	9.19	69	147457	56.74	ug/l	99
57) 1,3-Dichloropropane	9.38	76	158547	57.80	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	331009	265.38	ug/l	99
59) 2-Hexanone	9.51	43	739825	269.49	ug/l	100
60) Dibromochloromethane	9.59	129	102415	50.42	ug/l	98
61) 1,2-Dibromoethane	9.68	107	103736	56.40	ug/l	99
64) Tetrachloroethene	9.34	164	92897	50.83	ug/l	97
65) Chlorobenzene	10.15	112	260032	49.61	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	91221	51.25	ug/l	97
67) Ethyl Benzene	10.26	91	450754	50.73	ug/l	98
68) m/p-Xylenes	10.37	106	363023	103.83	ug/l	97
69) o-Xylene	10.71	106	172750	51.03	ug/l	100
70) Styrene	10.72	104	297181	53.06	ug/l	98
71) Bromoform	10.87	173	78782	43.19	ug/l #	97
73) Isopropylbenzene	11.02	105	473841	48.17	ug/l	99
74) N-amyl acetate	6.48	43	223686	52.32	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	170614	49.03	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	150034m	47.02	ug/l	
77) Bromobenzene	11.26	156	117096	44.68	ug/l	98
78) n-propylbenzene	11.37	91	568964	48.50	ug/l	99
79) 2-Chlorotoluene	11.43	91	319992	47.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	422767	51.11	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	46120	46.79	ug/l	96
82) 4-Chlorotoluene	11.52	91	405879	50.16	ug/l	99
83) tert-Butylbenzene	11.78	119	411058	49.27	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	439748	50.71	ug/l	99
85) sec-Butylbenzene	11.96	105	524318	50.79	ug/l	100
86) p-Isopropyltoluene	12.07	119	479556	52.31	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	239661	48.37	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	257922	49.58	ug/l	98
89) n-Butylbenzene	12.40	91	440952	51.66	ug/l	99
90) Hexachloroethane	12.60	117	73809	51.15	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	245390	50.51	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	46857	48.28	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	167142	47.99	ug/l	99
94) Hexachlorobutadiene	13.79	225	69420	48.14	ug/l	99
95) Naphthalene	13.84	128	607378	50.06	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	170557	49.56	ug/l	99

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

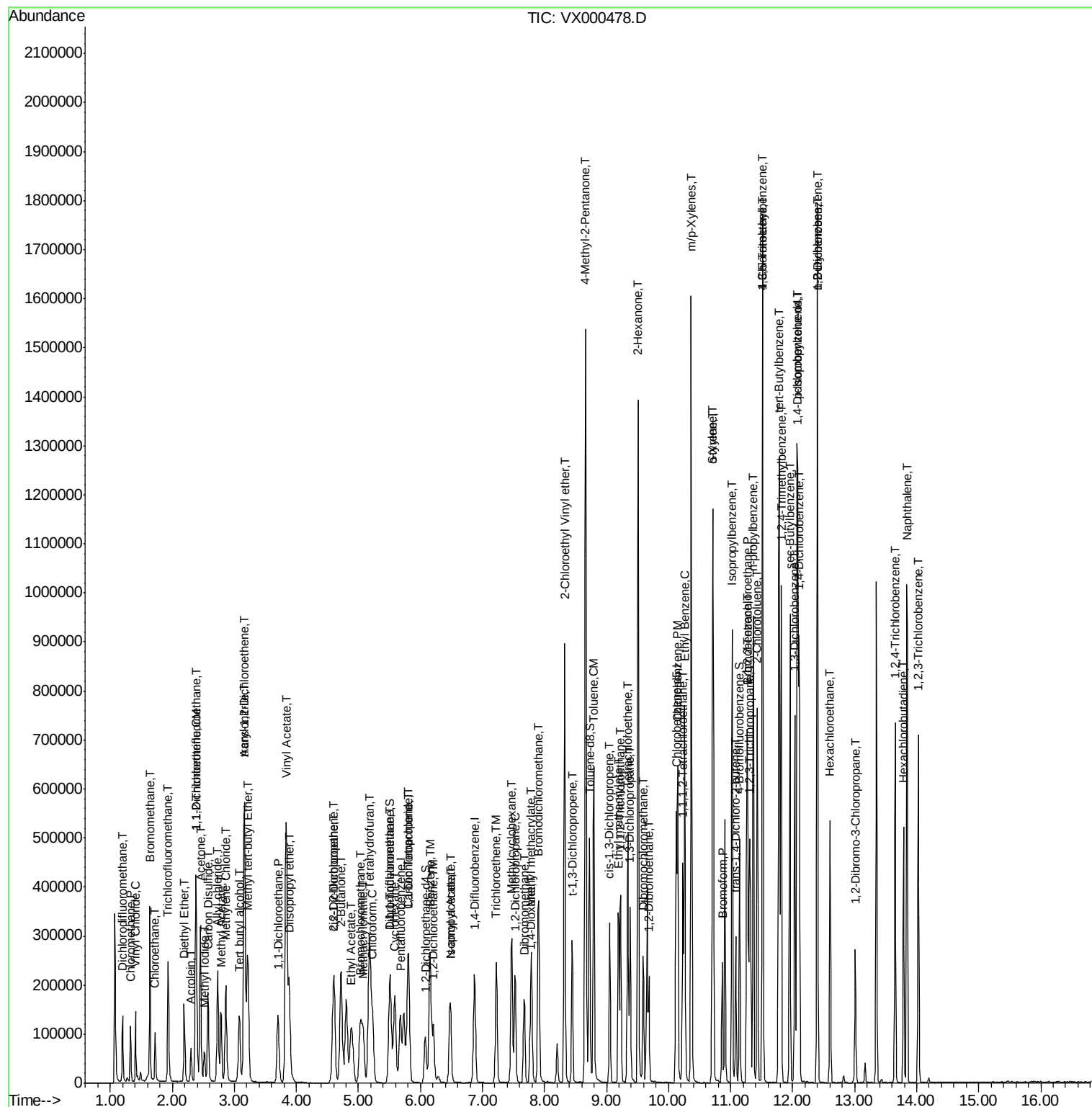
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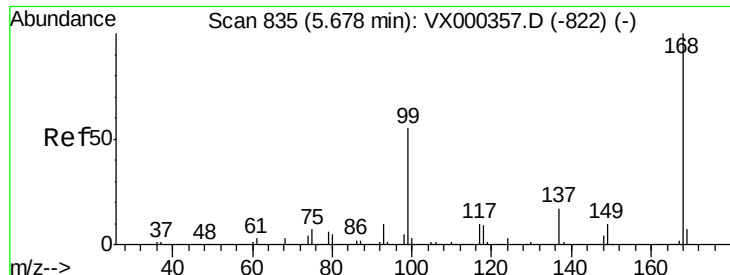
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 133081

Ion Ratio Lower Upper

168 100

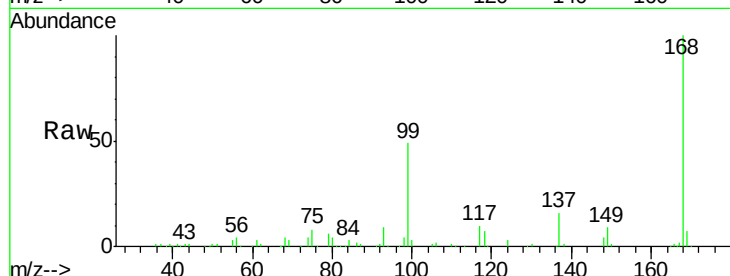
99 48.7 45.8 68.6

Manual Integrations

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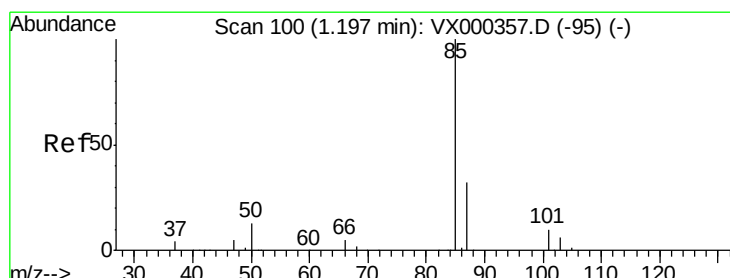
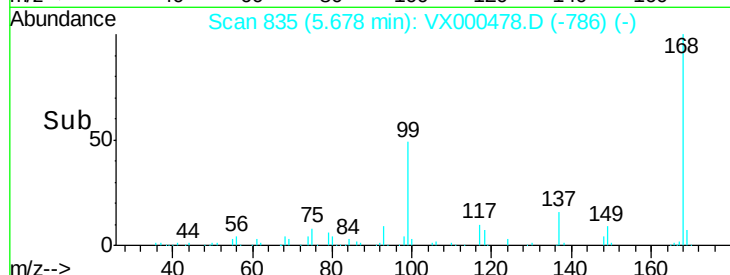
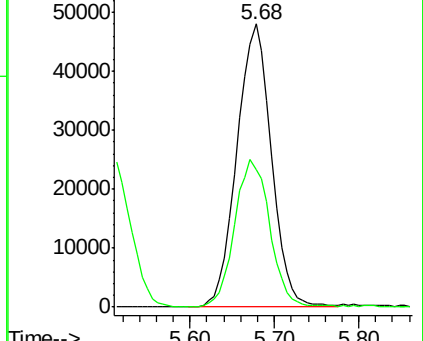
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.44 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000478.D

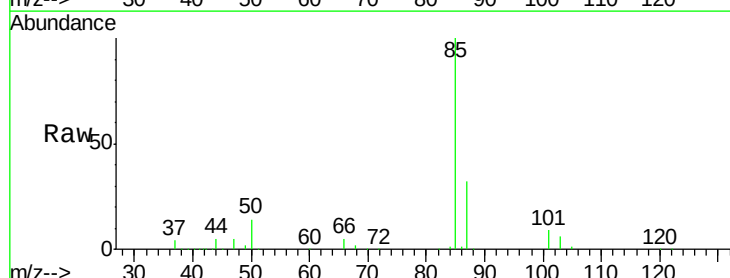
Acq: 27 Mar 2018 23:43

Tgt Ion: 85 Resp: 71050

Ion Ratio Lower Upper

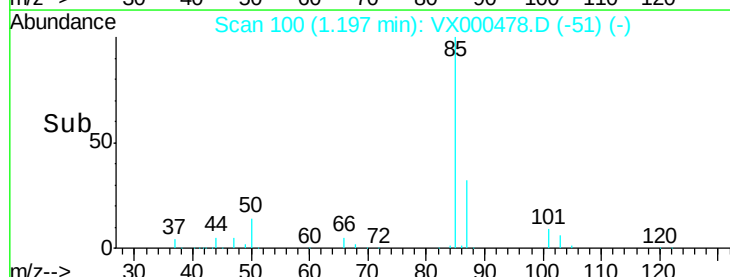
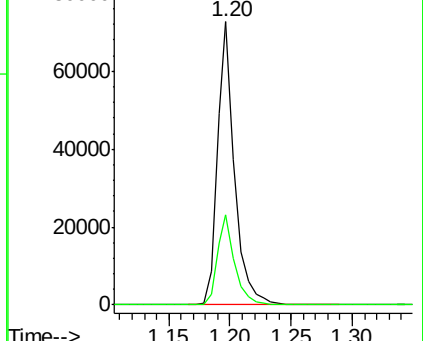
85 100

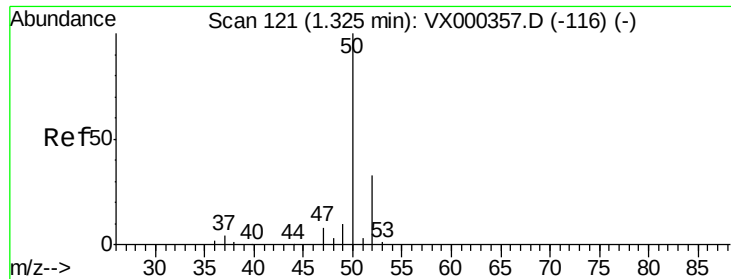
87 31.8 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.11 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 66606

Ion Ratio Lower Upper

50 100

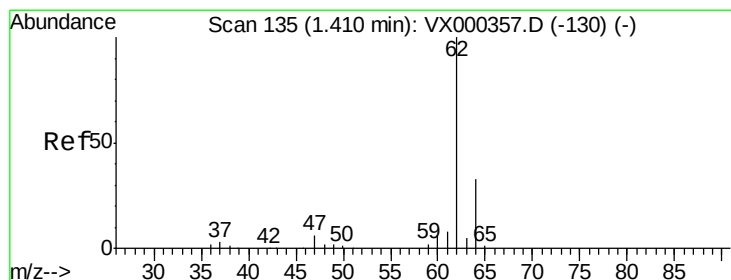
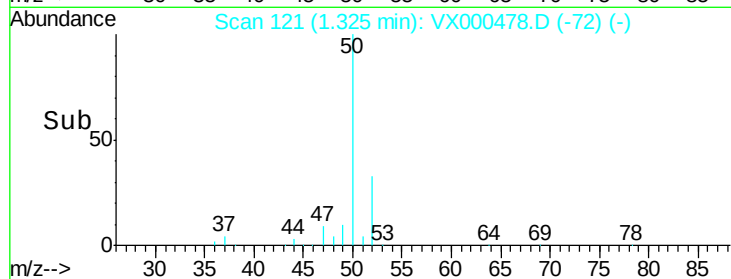
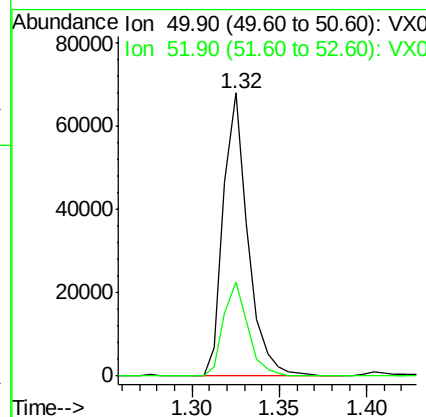
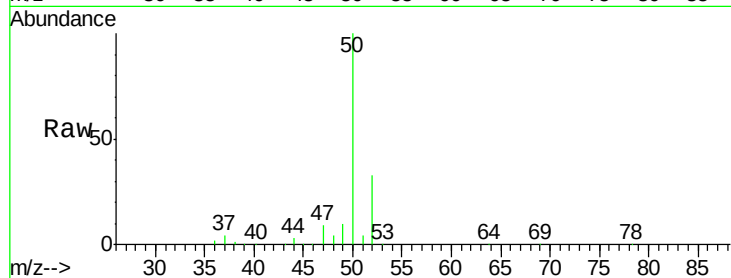
52 33.1 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.68 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000478.D

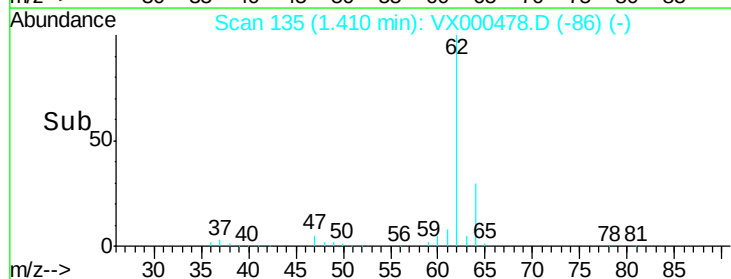
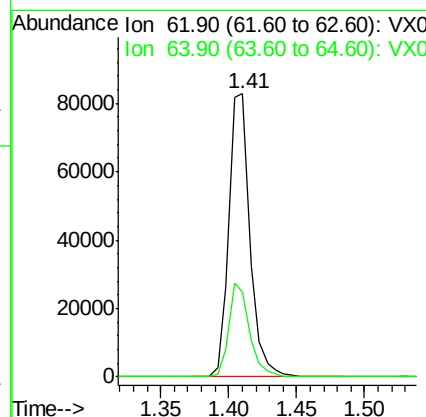
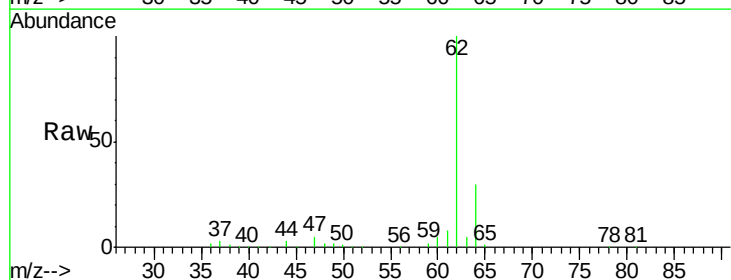
Acq: 27 Mar 2018 23:43

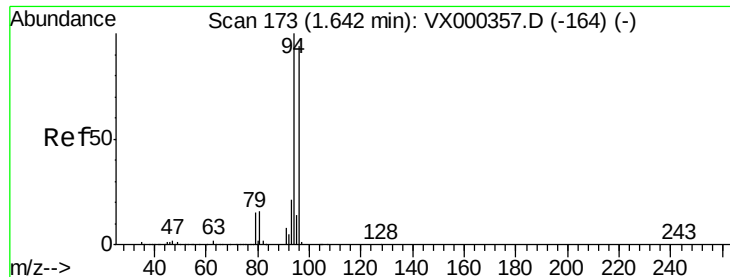
Tgt Ion: 62 Resp: 89278

Ion Ratio Lower Upper

62 100

64 29.8 24.8 37.2





#5

Bromomethane

Concen: 62.34 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 121867

Ion Ratio Lower Upper

94 100

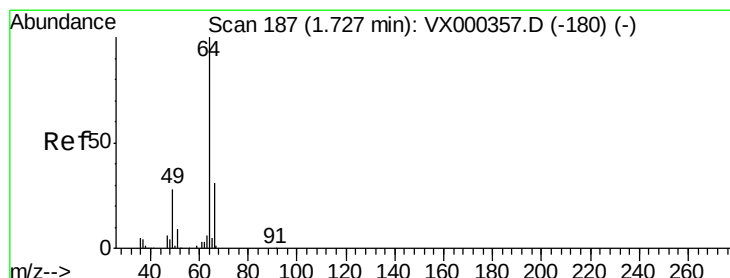
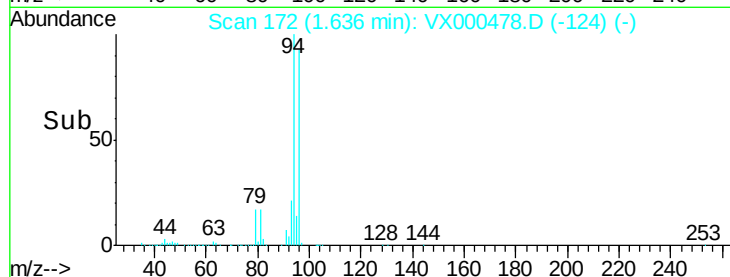
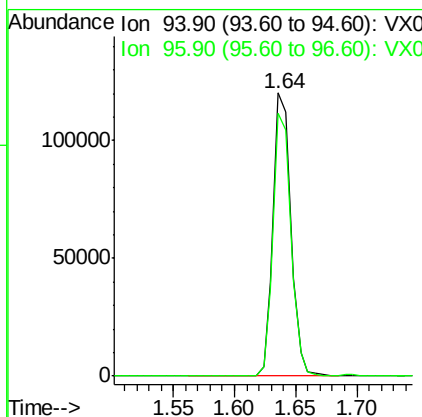
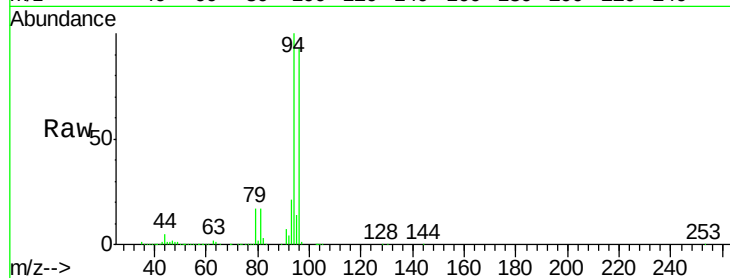
96 93.0 77.7 116.5

Manual Integrations

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#6

Chloroethane

Concen: 59.18 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000478.D

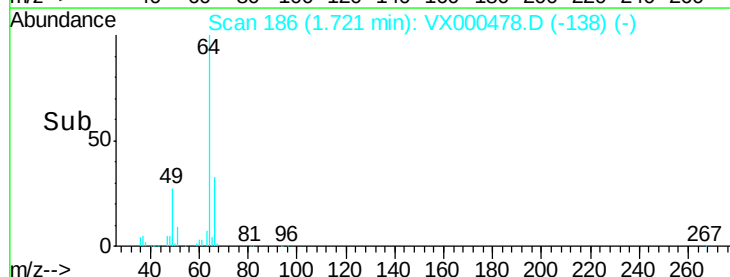
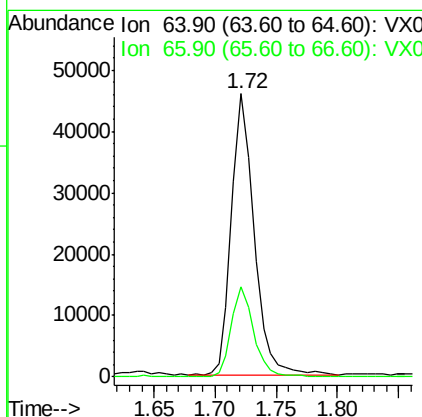
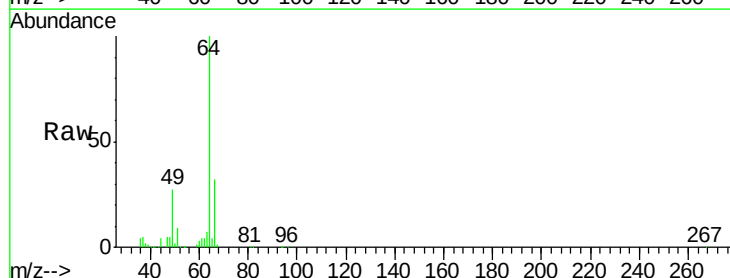
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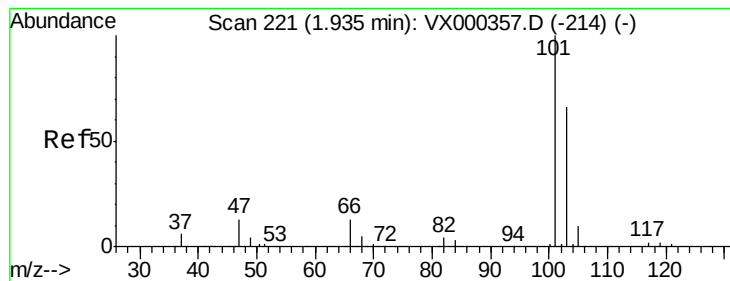
Tgt Ion: 64 Resp: 58771

Ion Ratio Lower Upper

64 100

66 32.0 24.8 37.2





#7

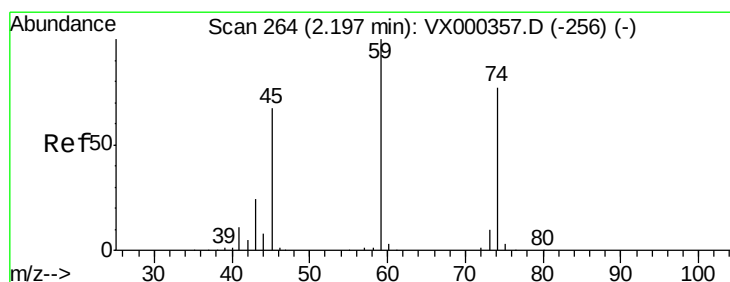
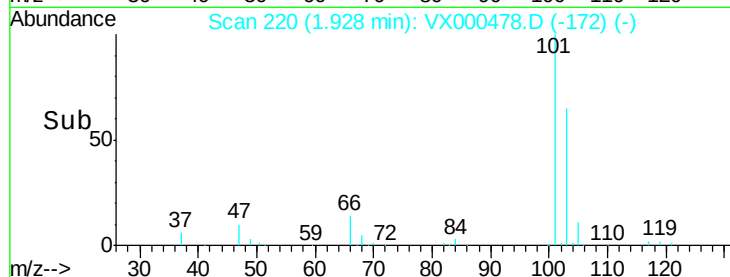
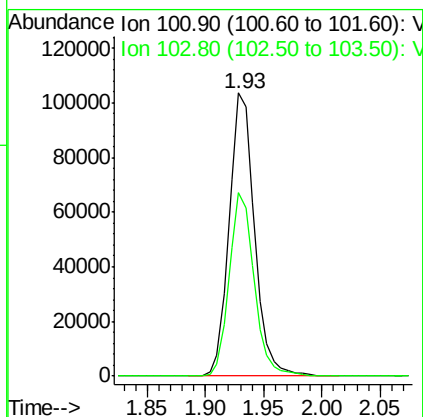
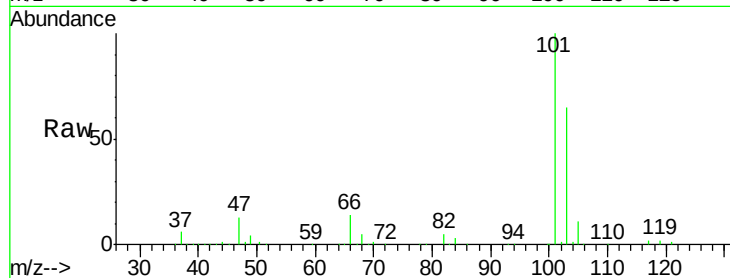
Trichlorofluoromethane
Concen: 53.35 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		157200		
103	65.0	51.6		77.4	

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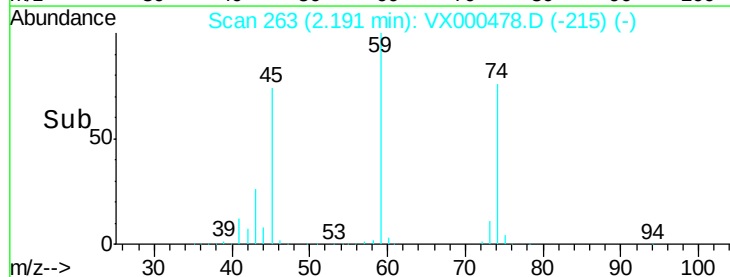
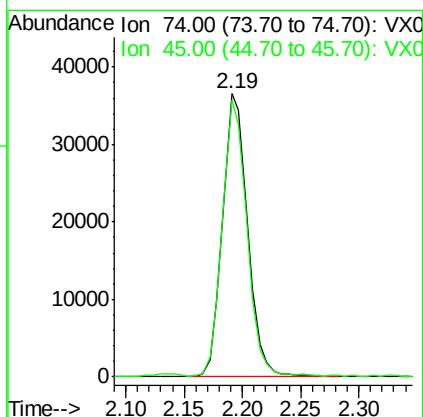
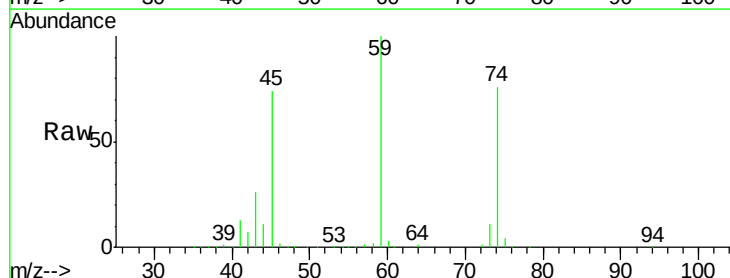
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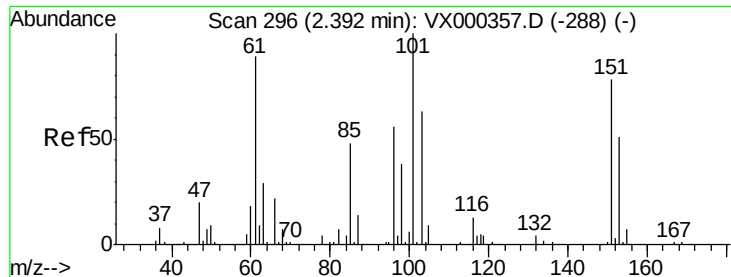


#8

Diethyl Ether
Concen: 51.70 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54445		
45	95.5	45.1		135.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.27 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

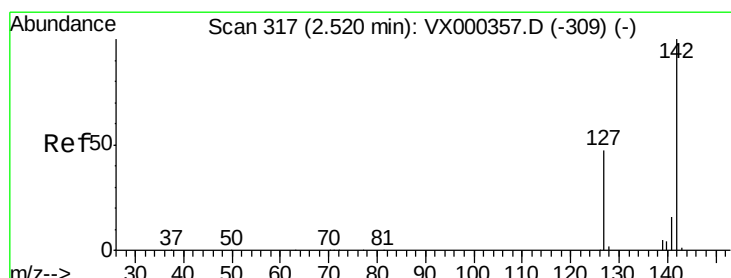
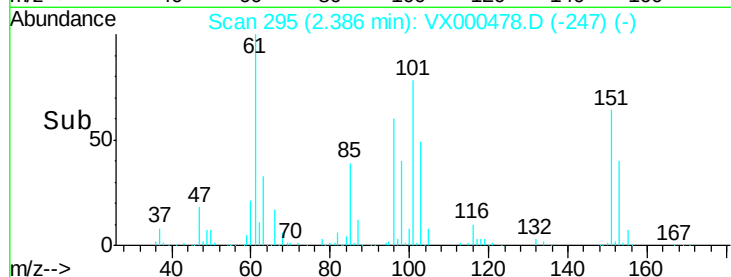
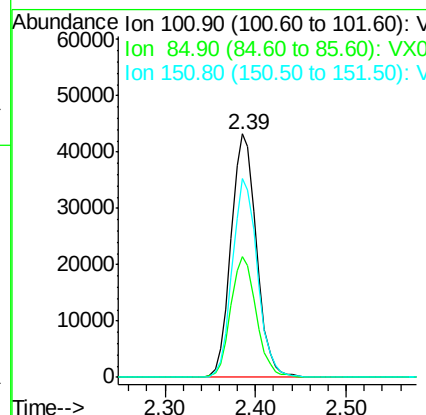
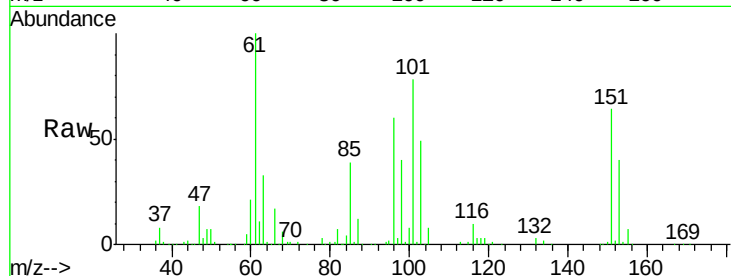
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	84250
Ion Ratio	Lower	Upper	
101	100		
85	49.5	37.6	56.4
151	80.5	62.6	93.8

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#10

Methyl Iodide

Concen: 36.57 ug/l

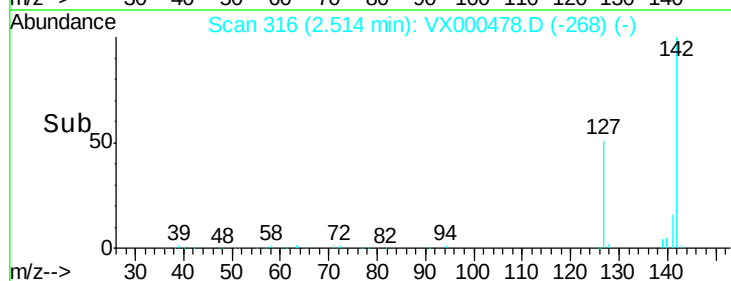
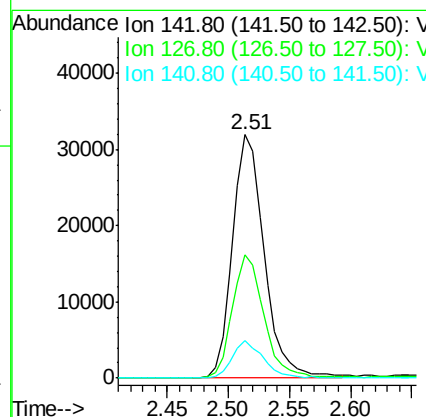
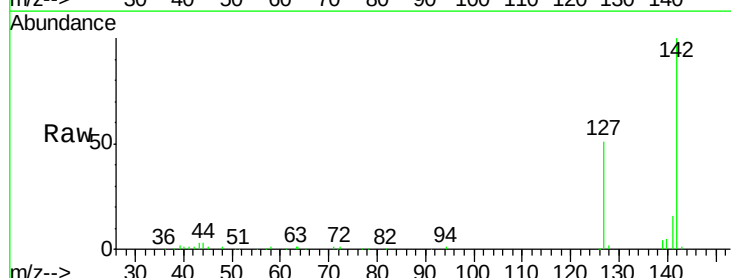
RT: 2.51 min Scan# 316

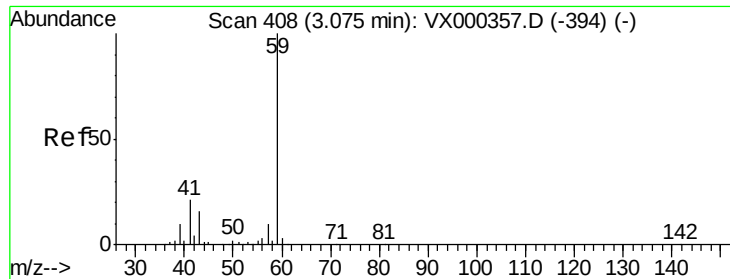
Delta R.T. -0.01 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Tgt Ion:	142	Resp:	57493
Ion Ratio	Lower	Upper	
142	100		
127	51.0	39.2	58.8
141	15.0	11.7	17.5





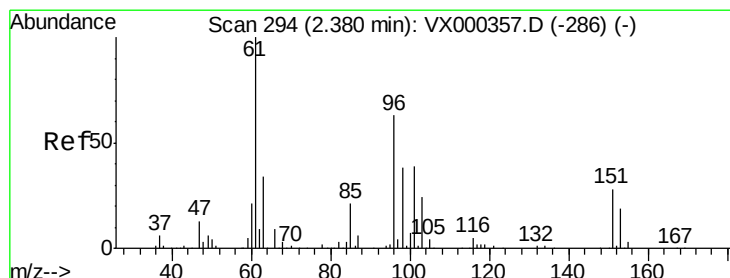
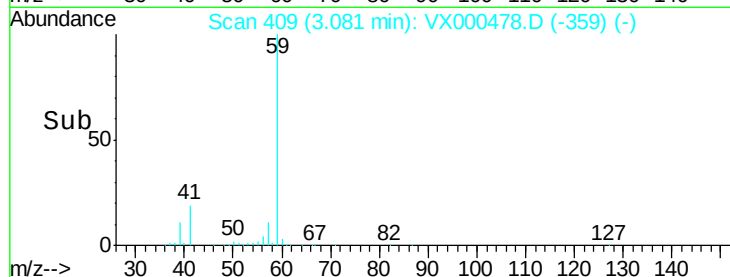
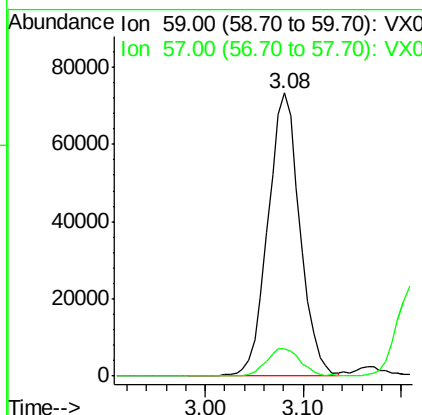
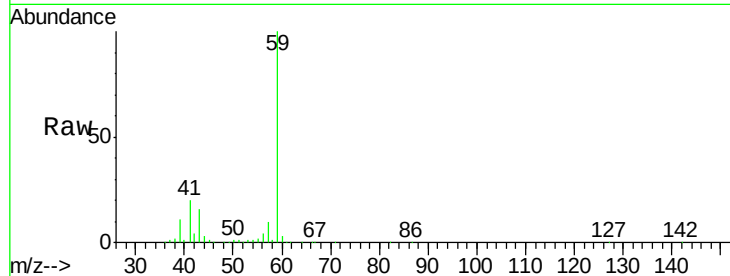
#11
Tert butyl alcohol
Concen: 278.77 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 166579
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

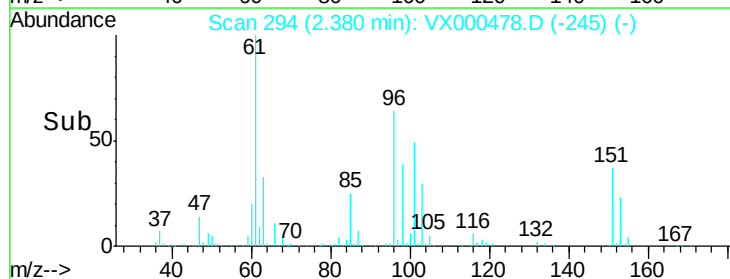
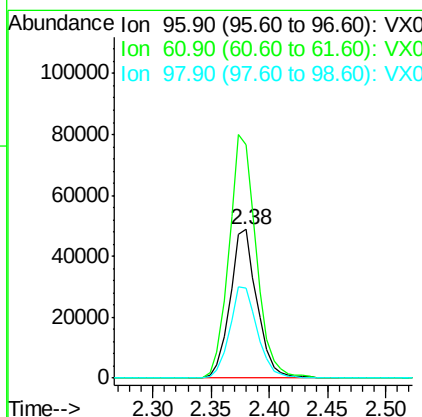
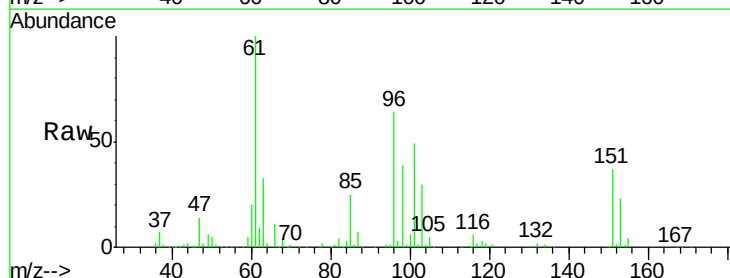
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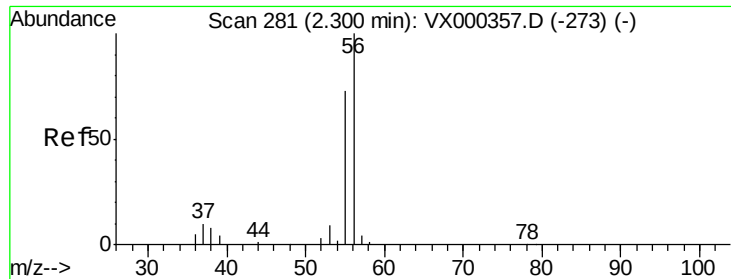
MMDadoda
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#12
1,1-Dichloroethene
Concen: 54.68 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion: 96 Resp: 78874
Ion Ratio Lower Upper
96 100
61 156.8 131.2 196.8
98 60.5 49.8 74.8





#13

Acrolein

Concen: 250.45 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 47788

Ion Ratio Lower Upper

56 100

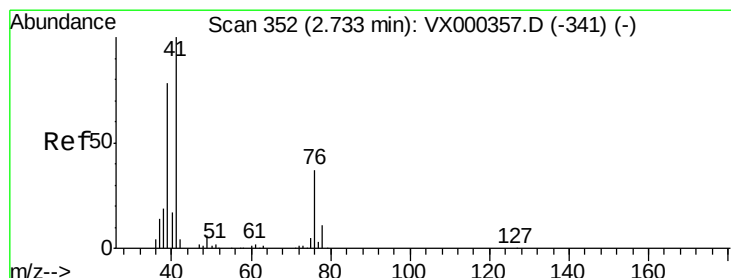
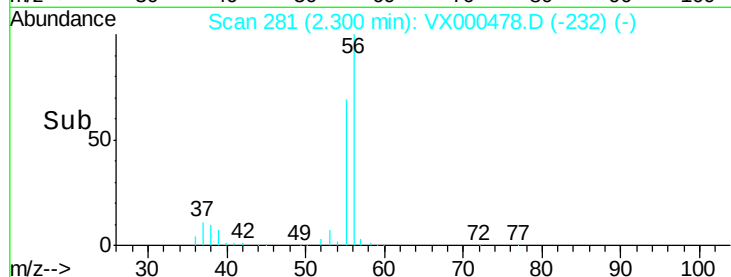
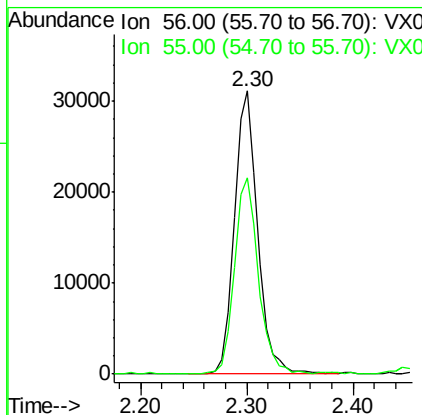
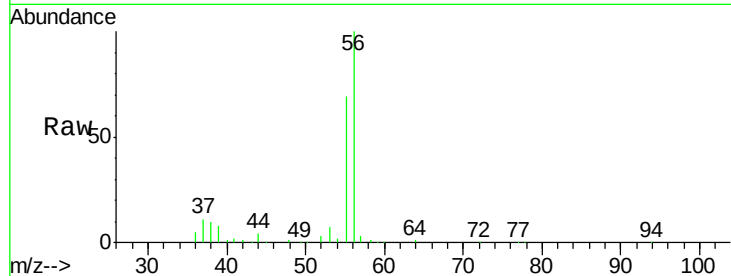
55 71.6 58.8 88.2

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#14

Allyl chloride

Concen: 56.15 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

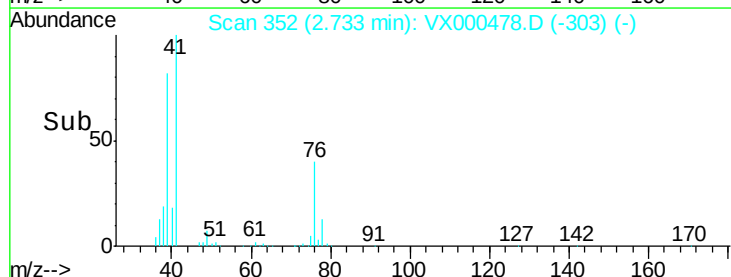
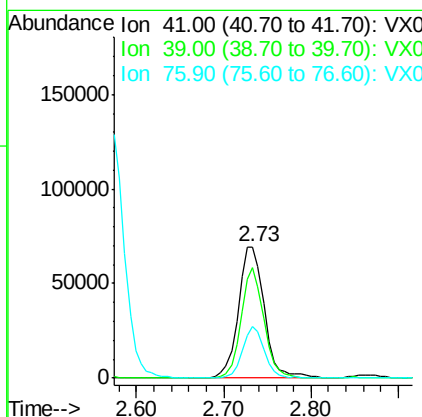
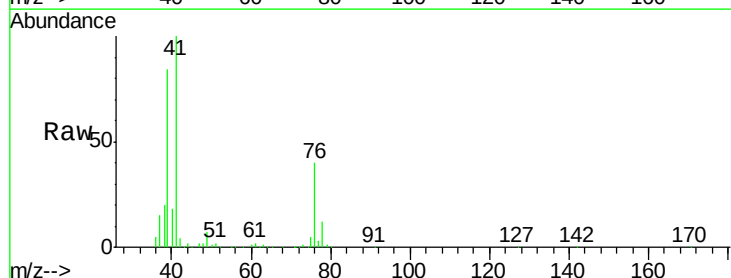
Tgt Ion: 41 Resp: 143022

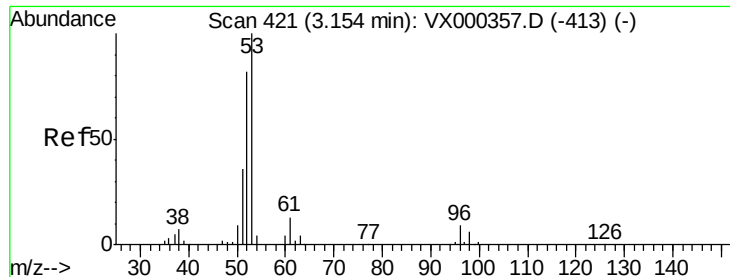
Ion Ratio Lower Upper

41 100

39 72.6 57.6 86.4

76 33.3 27.3 40.9





#15

Acrylonitrile

Concen: 269.00 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

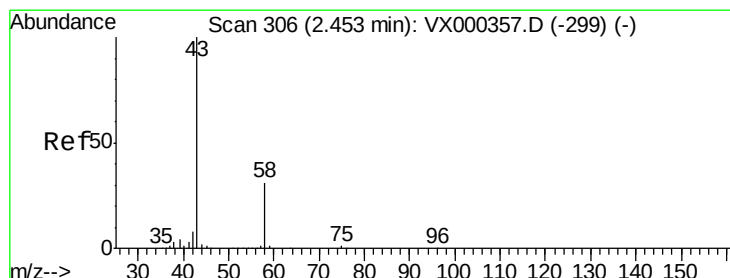
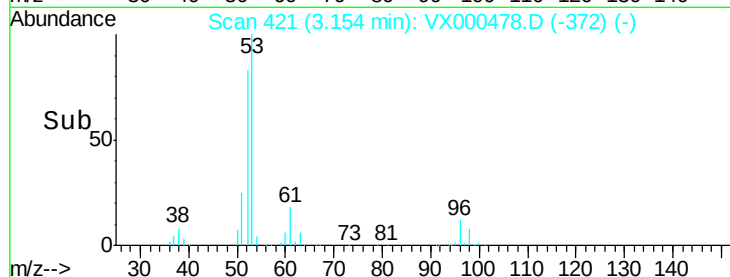
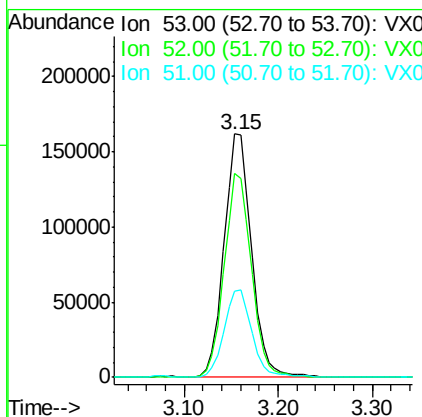
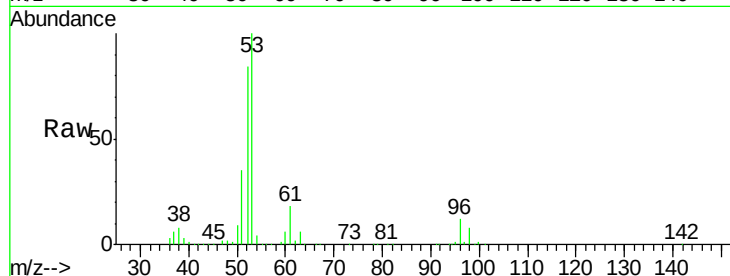
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	325553
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.6	99.8
51	36.9	29.3	43.9

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#16

Acetone

Concen: 223.31 ug/l

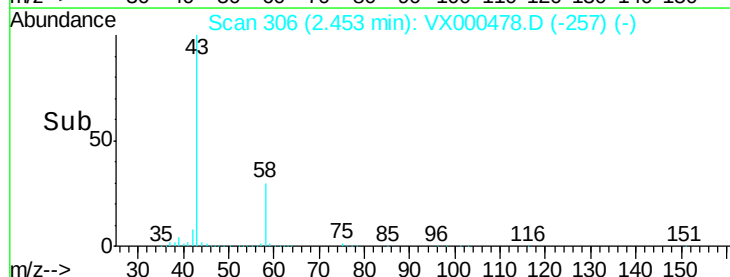
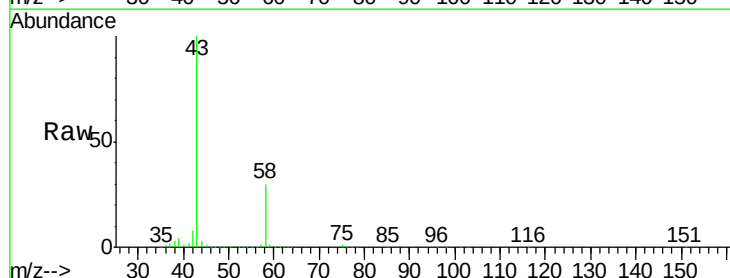
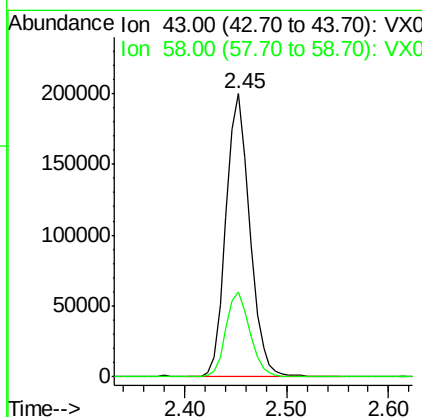
RT: 2.45 min Scan# 306

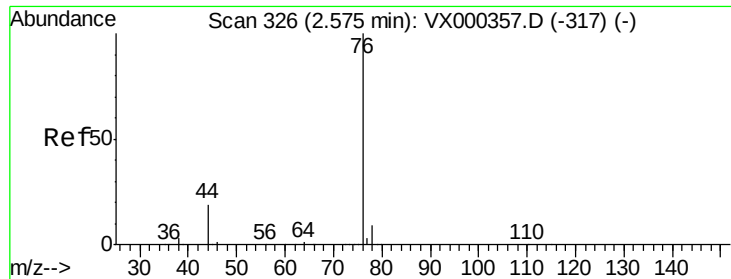
Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Tgt Ion:	43	Resp:	322705
Ion Ratio		Lower	Upper
43	100		
58	29.9	24.7	37.1





#17

Carbon Disulfide

Concen: 55.13 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 211544

Ion Ratio Lower Upper

76 100

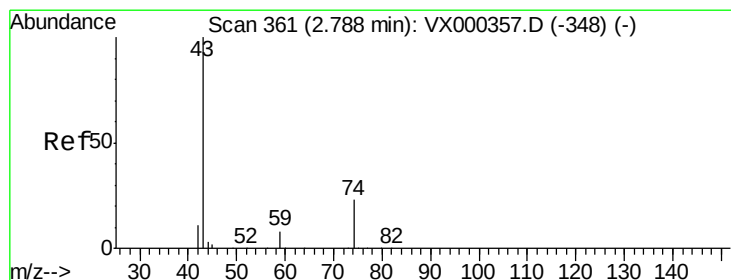
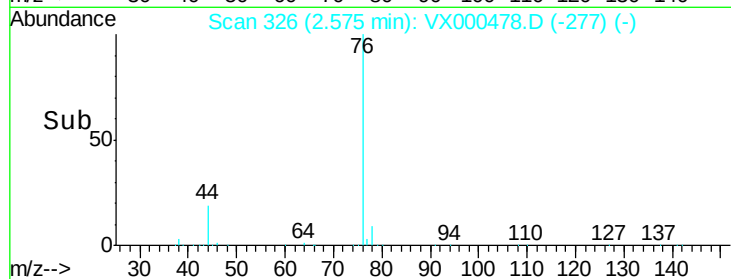
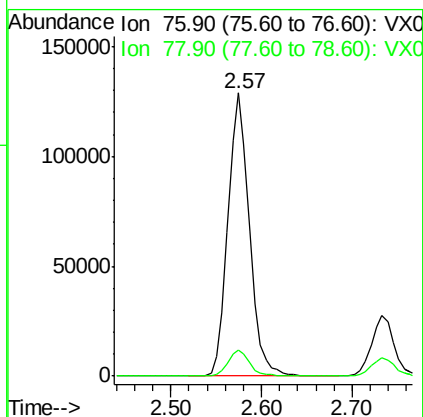
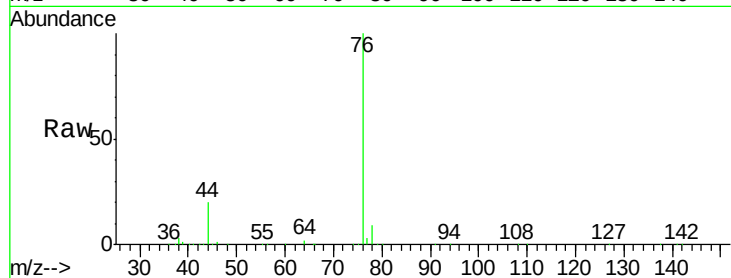
78 9.1 7.0 10.6

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#18

Methyl Acetate

Concen: 54.17 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000478.D

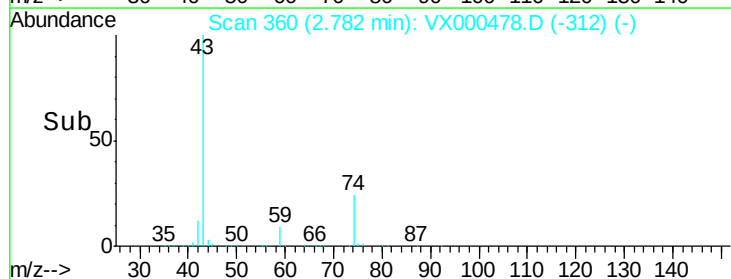
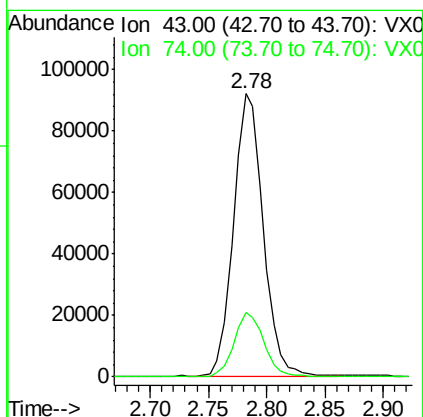
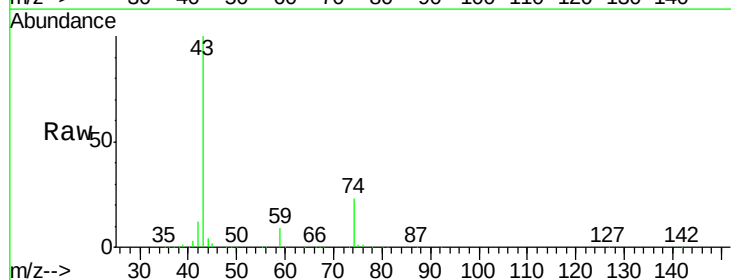
Acq: 27 Mar 2018 23:43

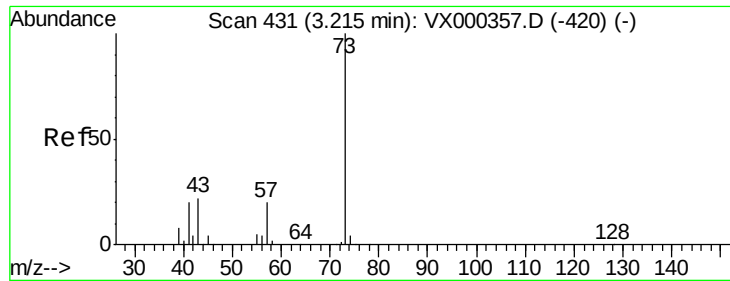
Tgt Ion: 43 Resp: 164131

Ion Ratio Lower Upper

43 100

74 22.9 19.4 29.2





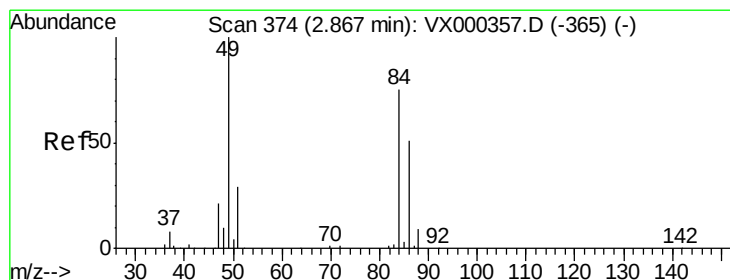
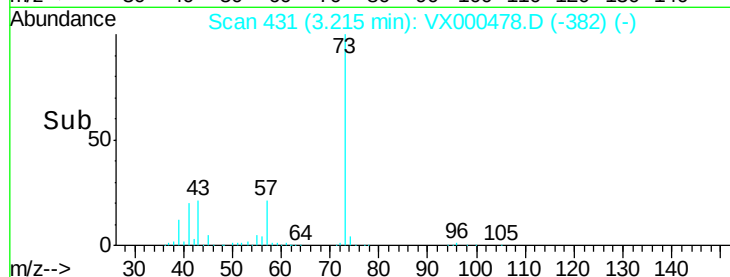
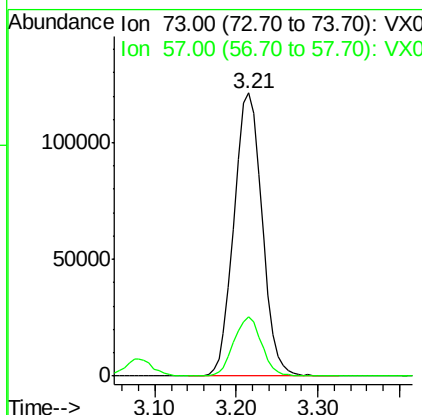
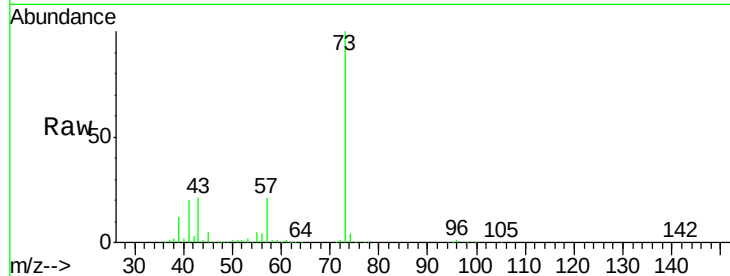
#19
Methyl tert-butyl Ether
Concen: 54.17 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 289016
Ion Ratio Lower Upper
73 100
57 20.9 17.2 25.8

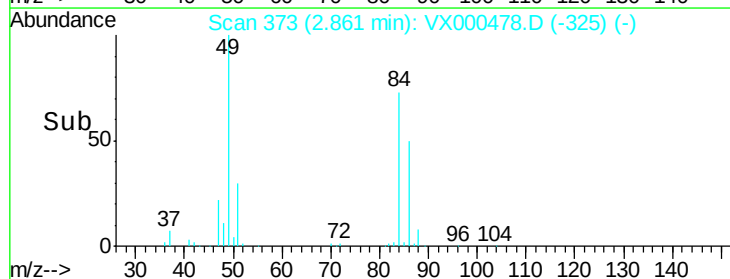
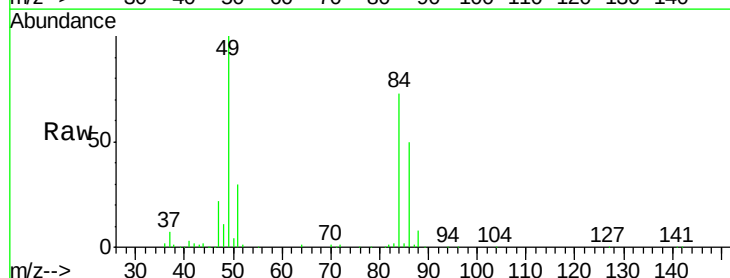
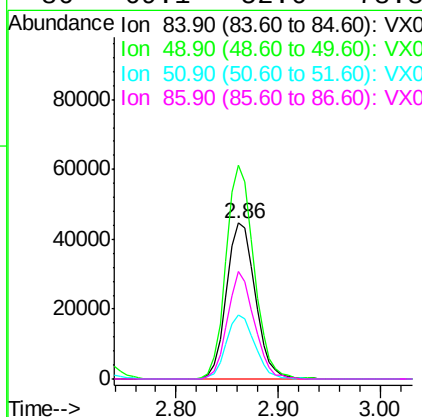
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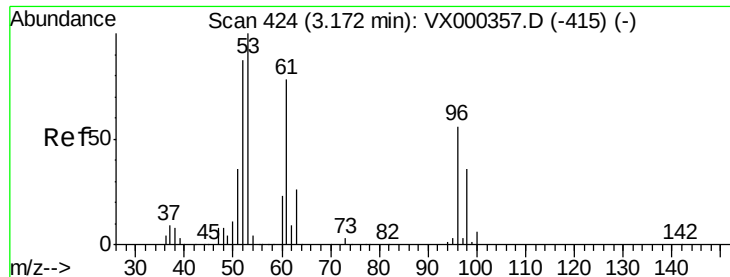
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#20
Methylene Chloride
Concen: 52.16 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion: 84 Resp: 87068
Ion Ratio Lower Upper
84 100
49 137.1 100.6 151.0
51 41.0 31.6 47.4
86 69.1 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 52.89 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

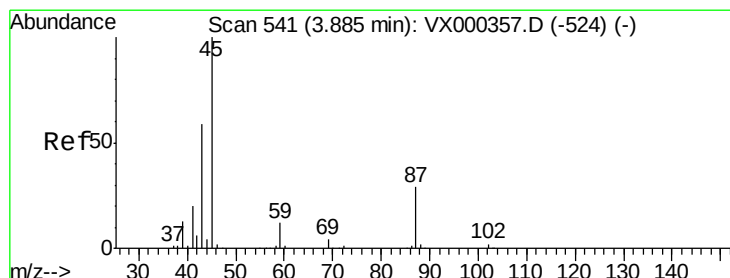
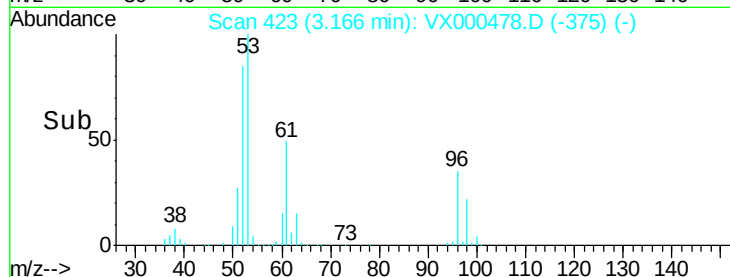
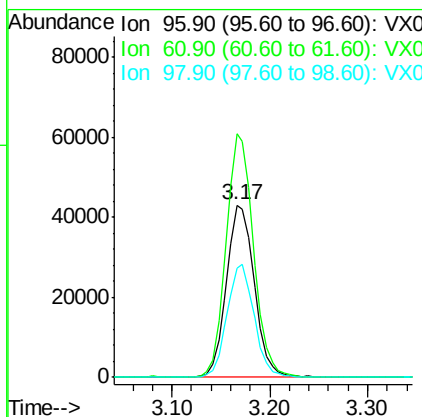
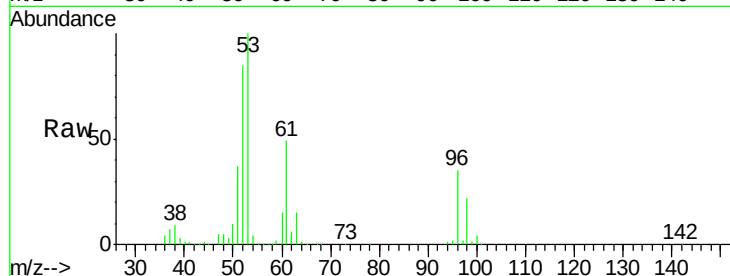
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	85107
Ion	Ratio	Lower	Upper
96	100		
61	141.2	104.0	156.0
98	63.3	52.1	78.1

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#22

Diisopropyl ether

Concen: 48.60 ug/l

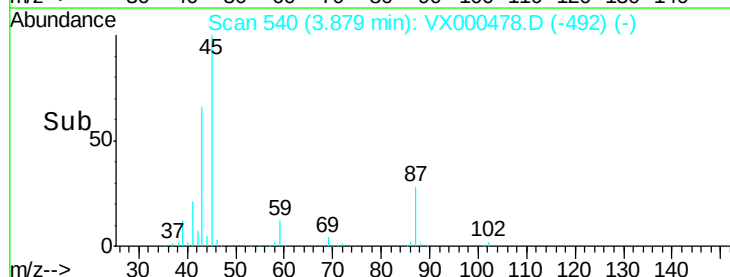
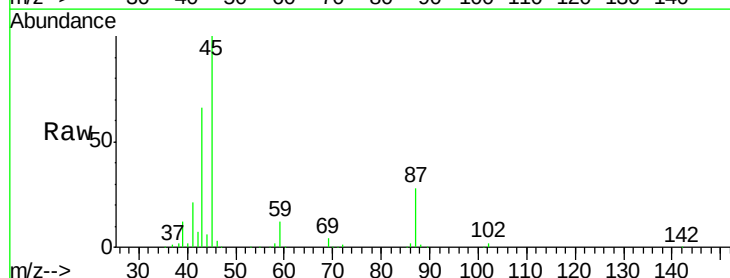
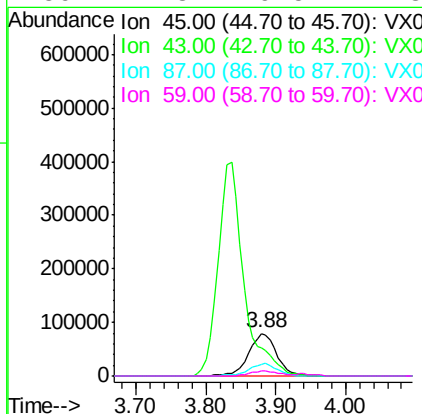
RT: 3.88 min Scan# 540

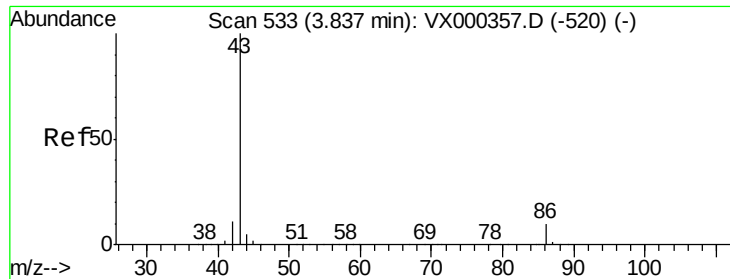
Delta R.T. -0.01 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Tgt Ion:	45	Resp:	219166
Ion	Ratio	Lower	Upper
45	100		
43	65.6	53.9	80.9
87	28.2	22.6	34.0
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 240.35 ug/l

RT: 3.84 min Scan# 533

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1027454

Ion Ratio Lower Upper

43 100

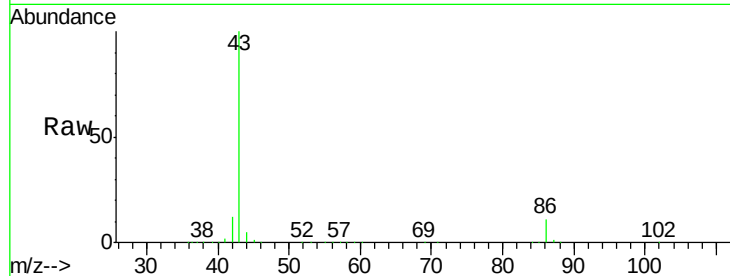
86 10.6 8.6 12.8

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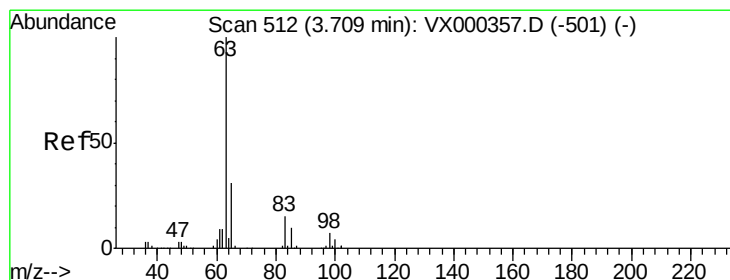
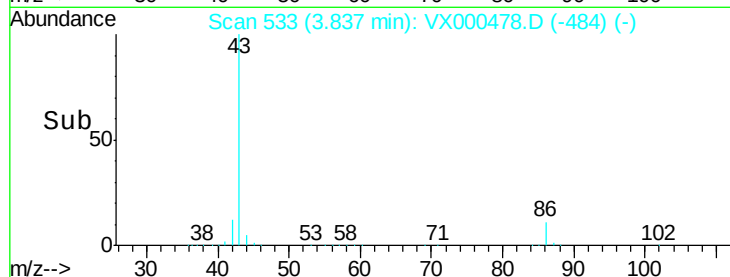
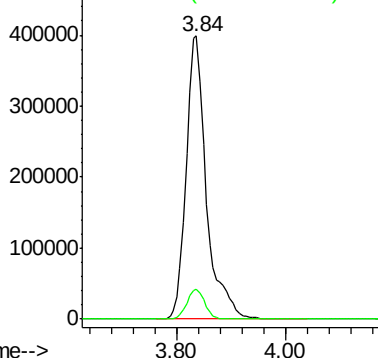
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 54.48 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

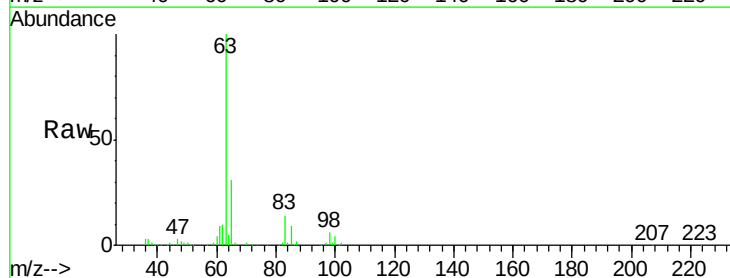
Tgt Ion: 63 Resp: 154457

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

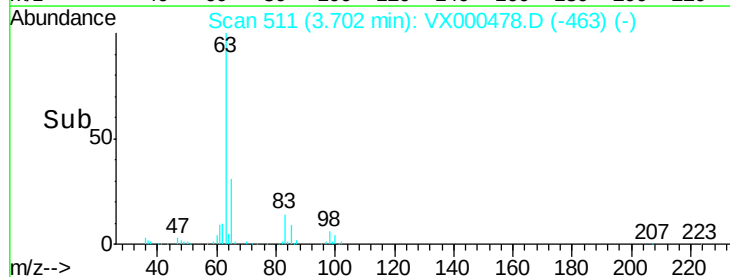
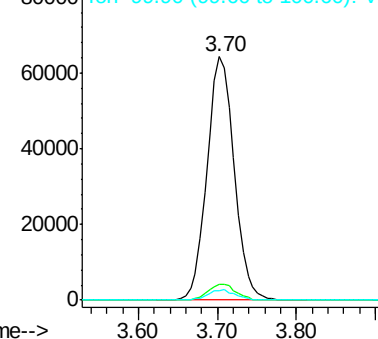
100 4.1 2.0 5.8

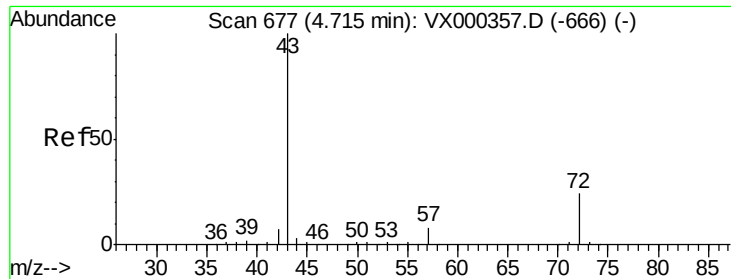


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 247.03 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 401253

Ion Ratio Lower Upper

43 100

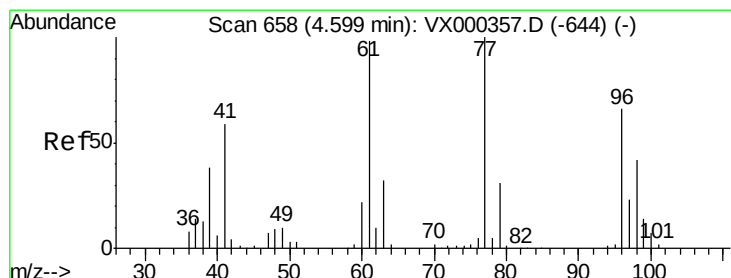
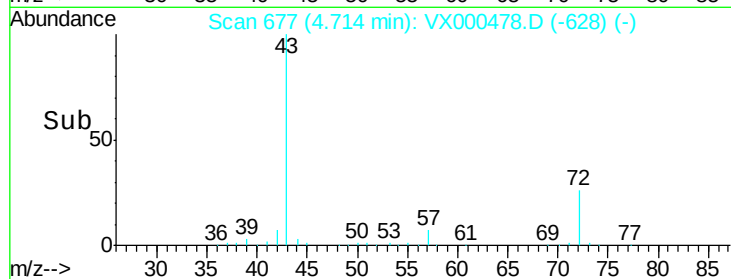
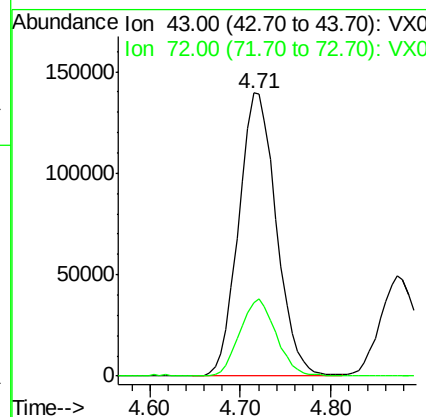
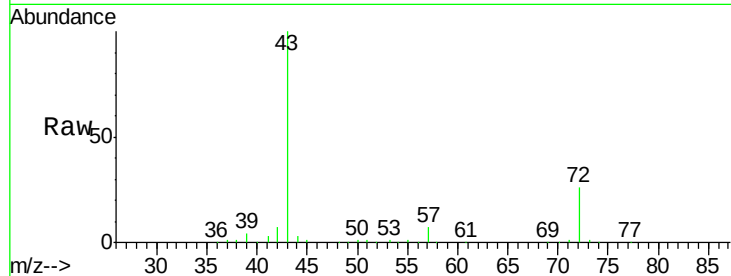
72 26.2 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 47.31 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX000478.D

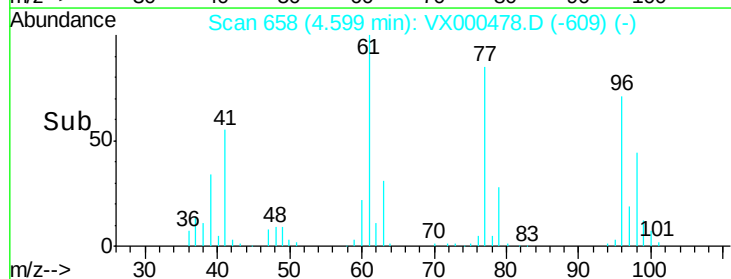
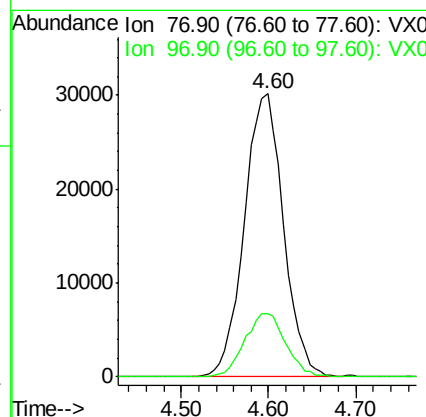
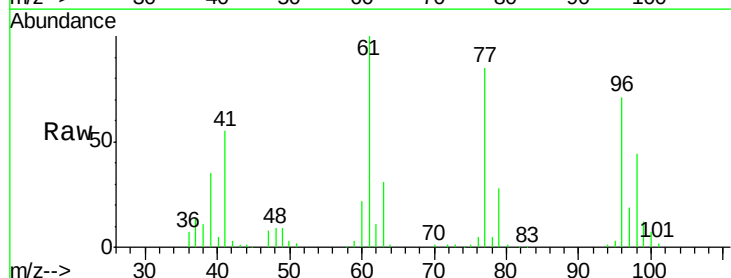
Acq: 27 Mar 2018 23:43

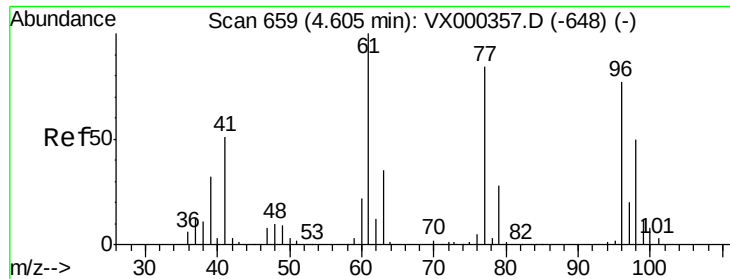
Tgt Ion: 77 Resp: 94006

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 51.39 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

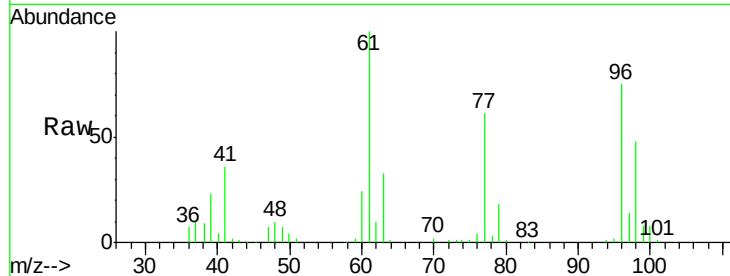
ClientSampleId :

VSTDCCC050EC

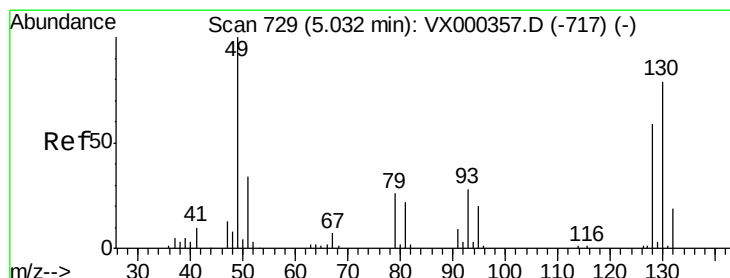
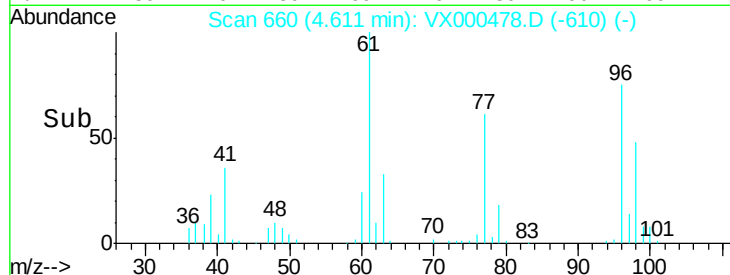
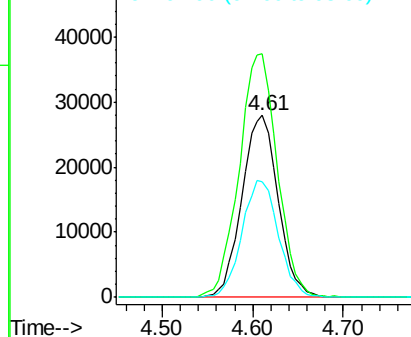
Tot Ion:	96	Resp:	77291
Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	291.6
98	64.9	0.0	132.0

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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



#28

Bromochloromethane

Concen: 67.61 ug/l

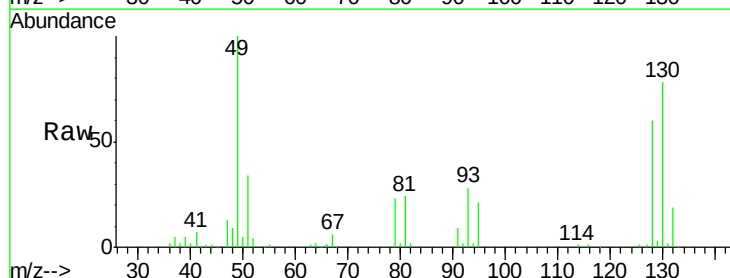
RT: 5.03 min Scan# 729

Delta R.T. -0.00 min

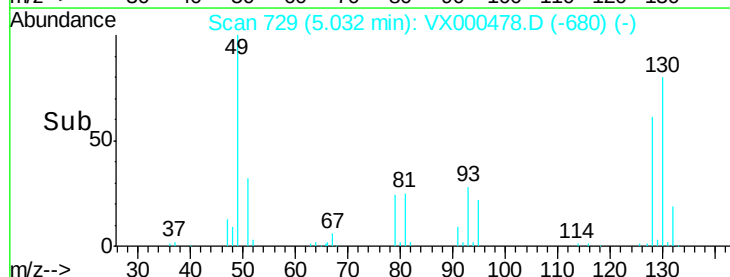
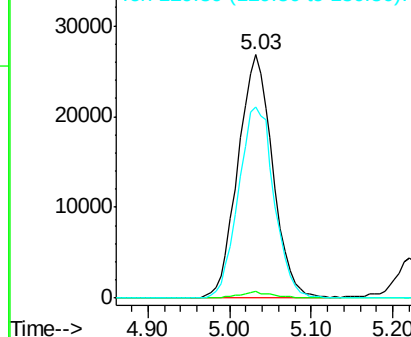
Lab File: VX000478.D

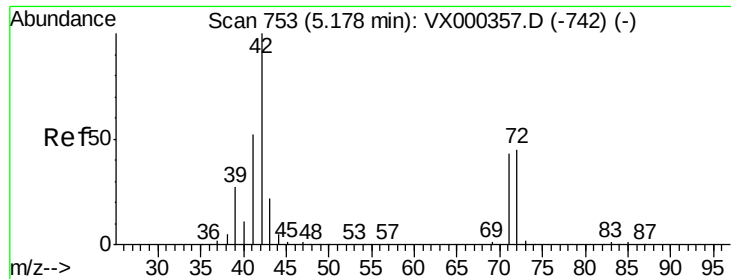
Acq: 27 Mar 2018 23:43

Tgt Ion:	49	Resp:	79040
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	80.5	64.0	96.0



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





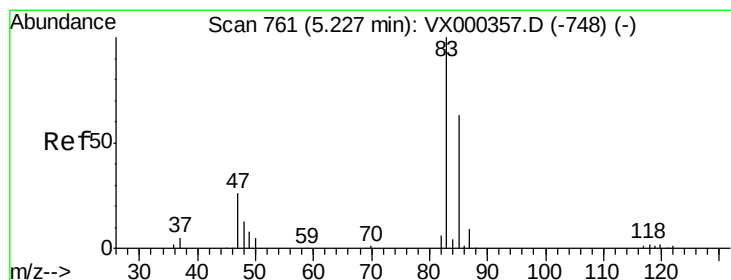
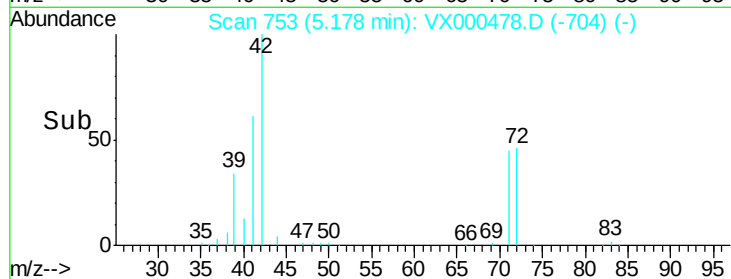
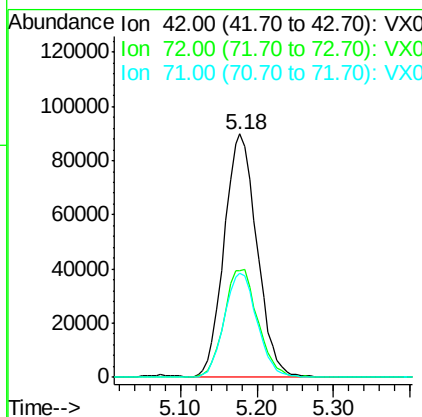
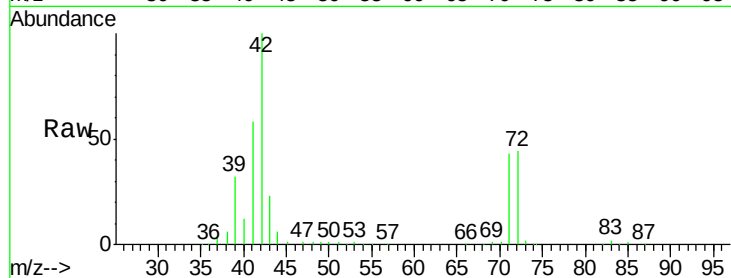
#29
Tetrahydrofuran
Concen: 265.30 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.9	56.9
71	43.0	34.4	51.6

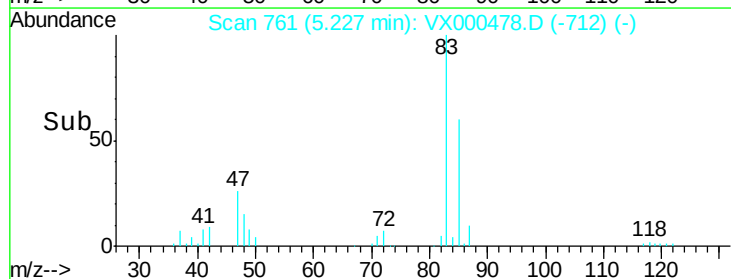
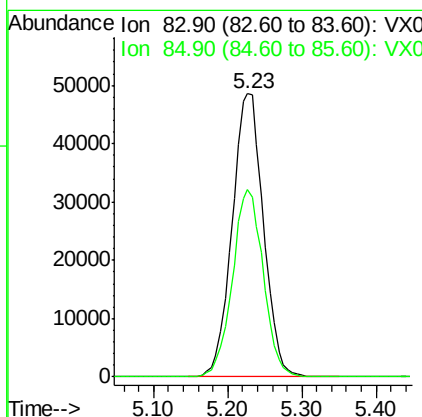
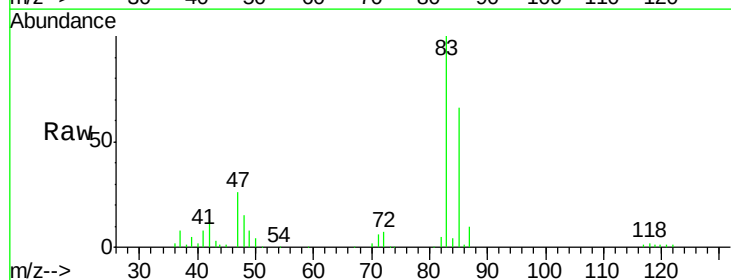
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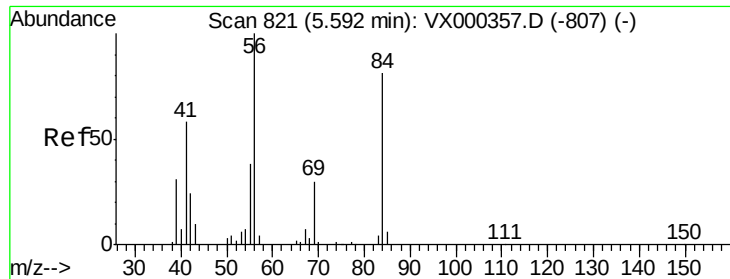
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#30
Chloroform
Concen: 53.73 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.3	79.9





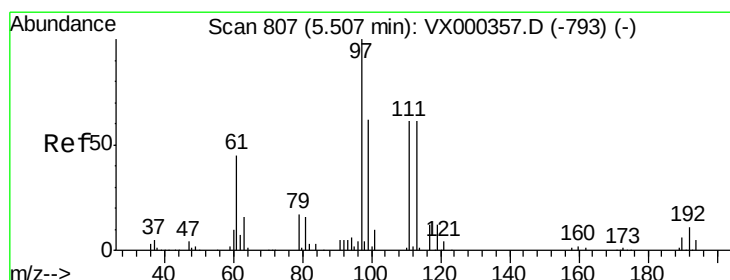
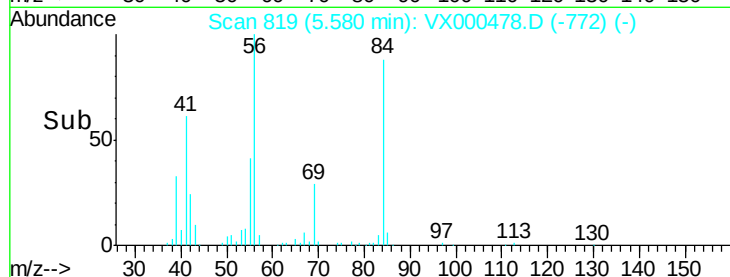
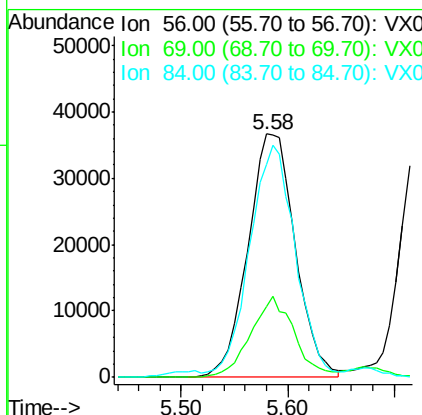
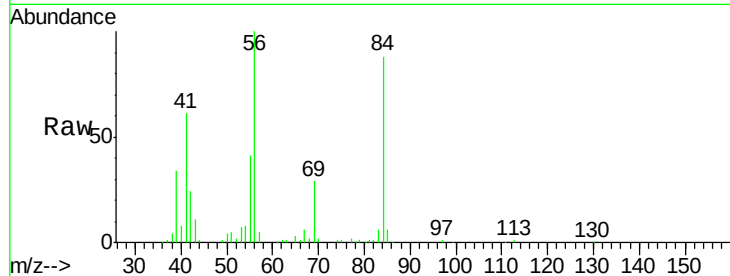
#31
Cyclohexane
Concen: 51.97 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.0
84	85.4	71.0	106.4

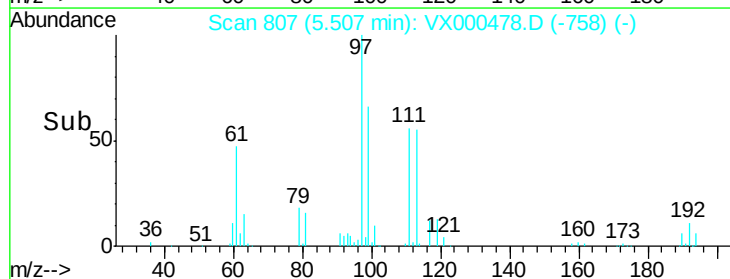
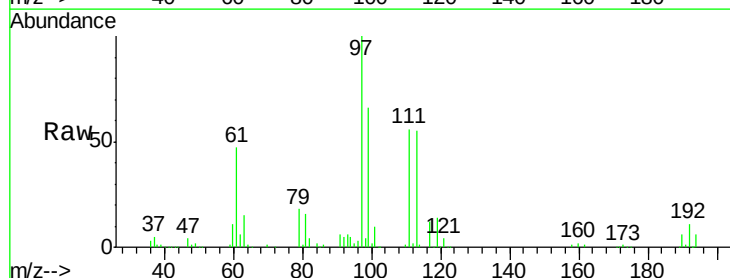
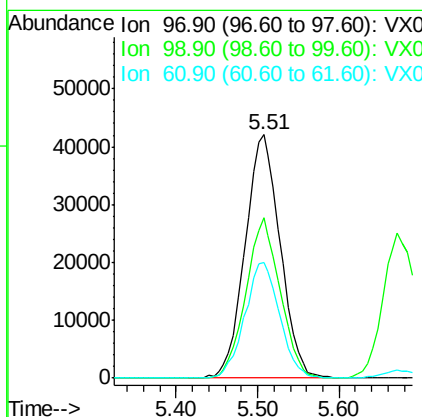
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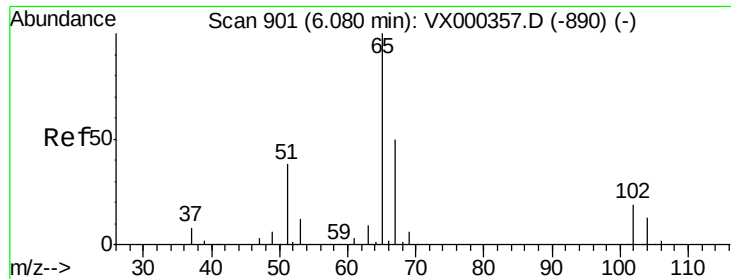
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#32
1,1,1-Trichloroethane
Concen: 52.46 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.1	78.1
61	47.4	36.2	54.4





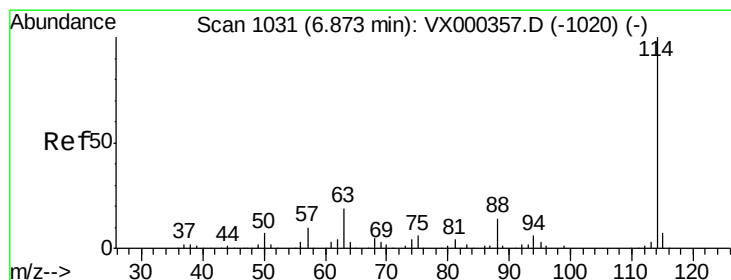
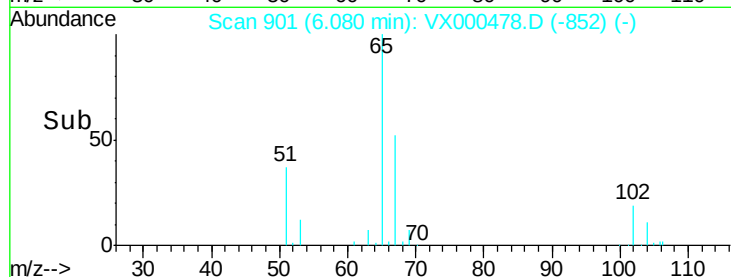
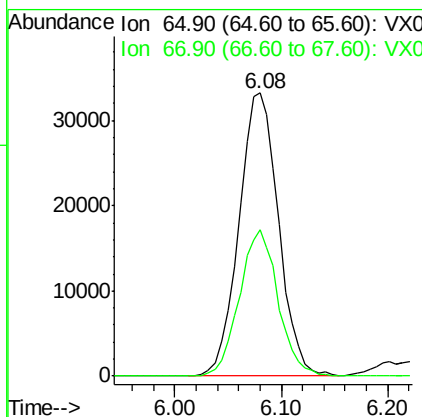
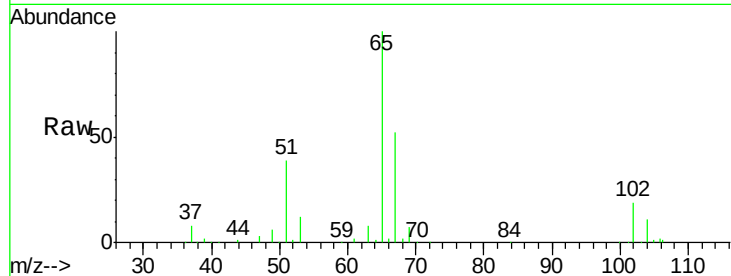
#33
 1,2-Dichloroethane-d4
 Concen: 49.90 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	103.2

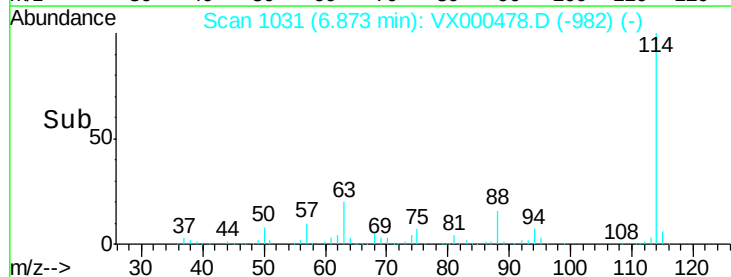
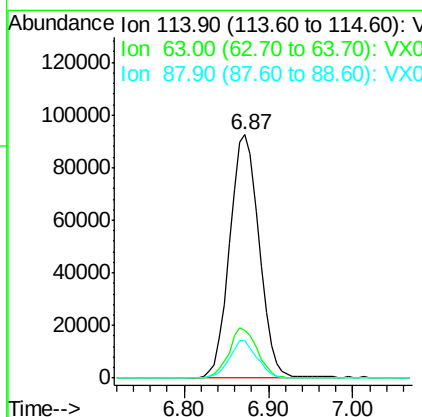
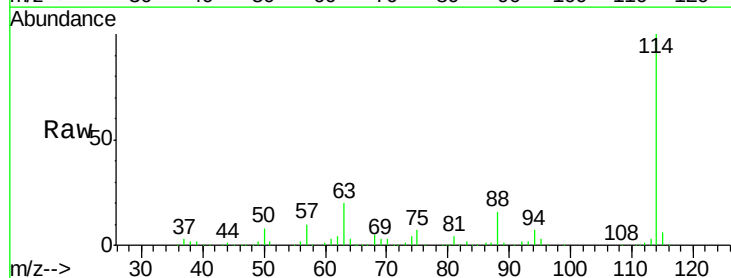
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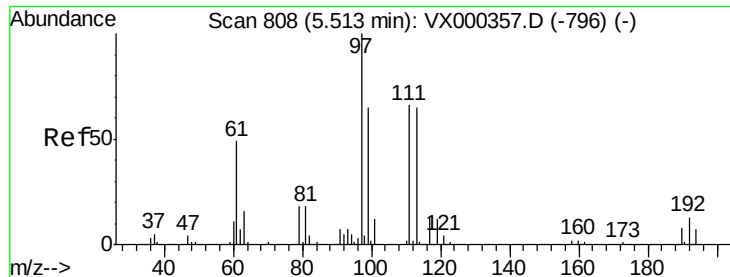
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.4
88	15.5	0.0	27.0





#35

Dibromofluoromethane

Concen: 50.79 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

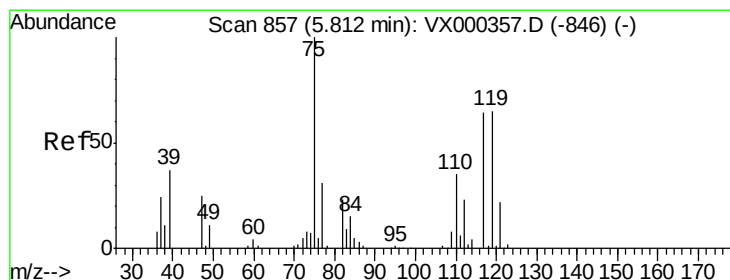
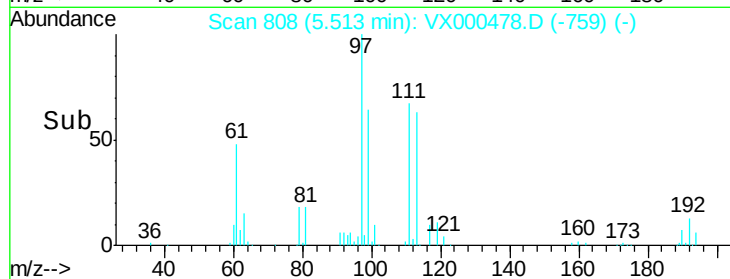
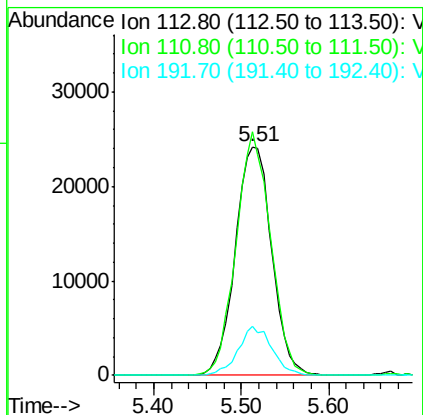
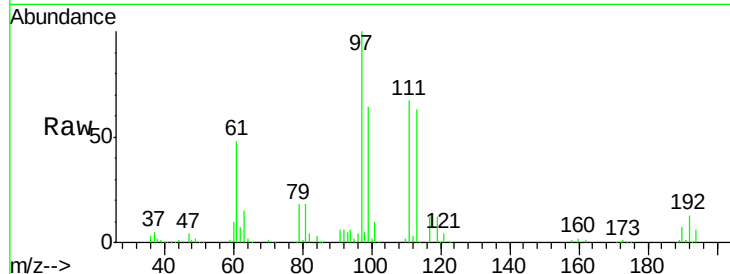
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	70184
Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.4	123.6
192	19.8	15.8	23.6

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#36

1,1-Dichloropropene

Concen: 50.56 ug/l

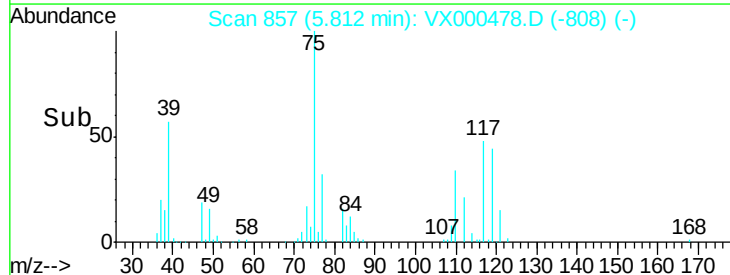
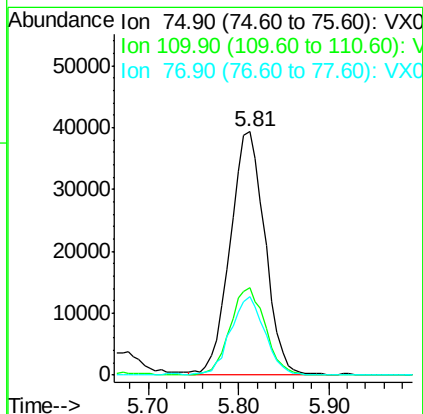
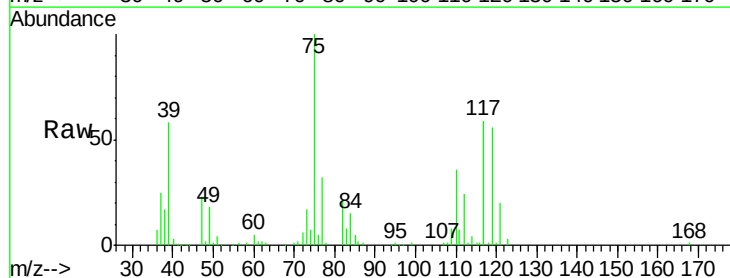
RT: 5.81 min Scan# 857

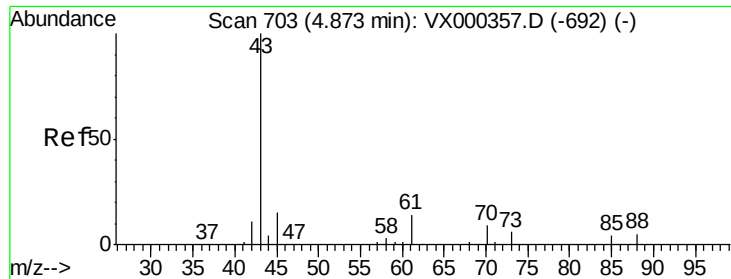
Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Tgt Ion:	75	Resp:	103857
Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.7
77	31.8	24.0	36.0





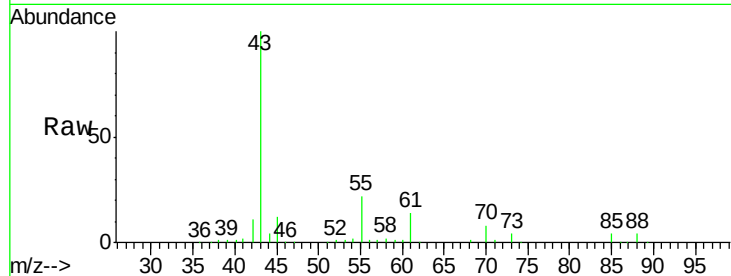
#37
Ethyl Acetate
Concen: 50.08 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

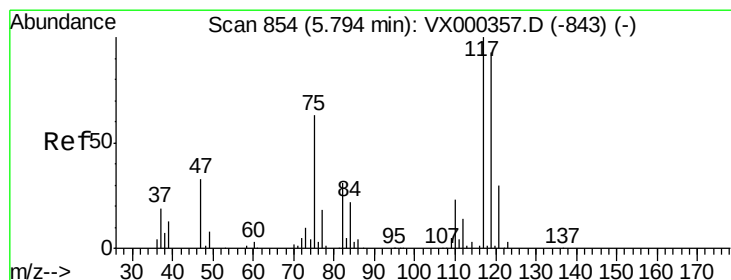
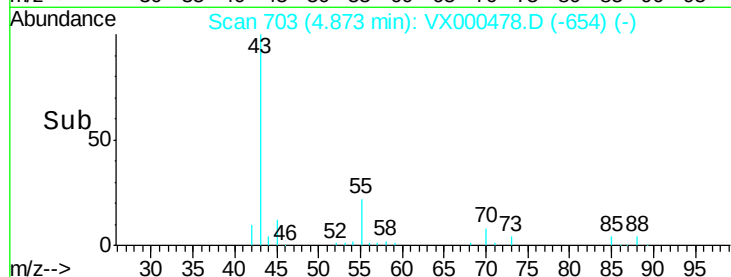
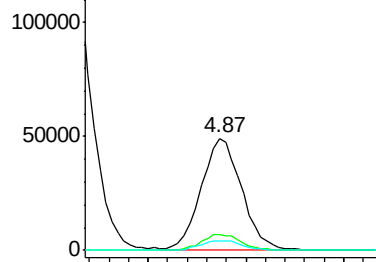
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	9.1	7.7	11.5

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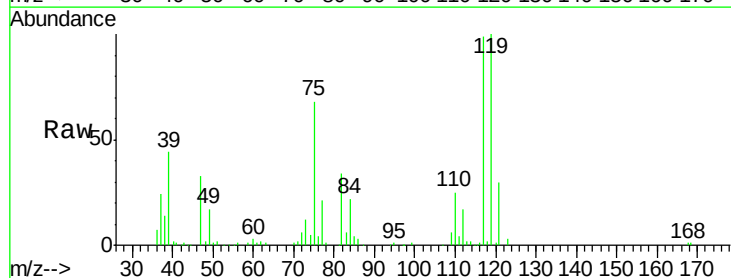


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

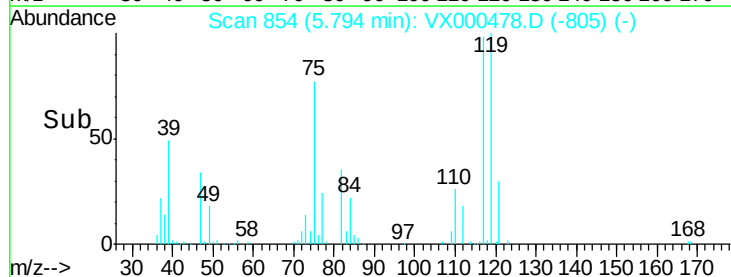
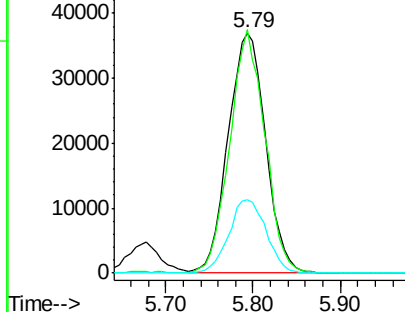


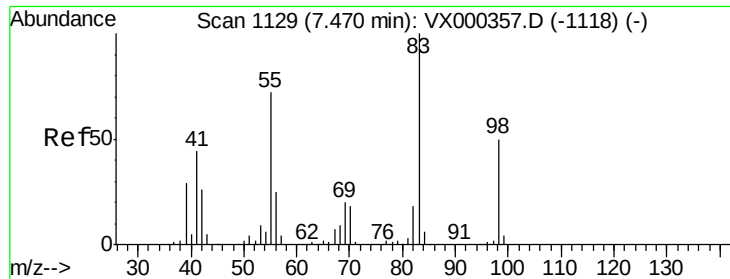
#38
Carbon Tetrachloride
Concen: 51.09 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.4	77.4	116.2
121	30.5	24.8	37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





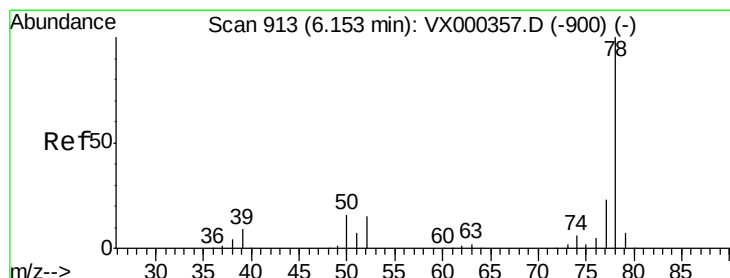
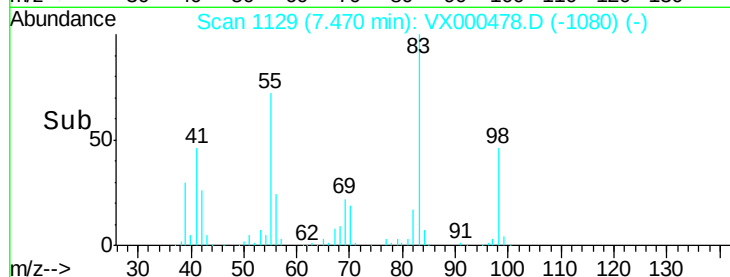
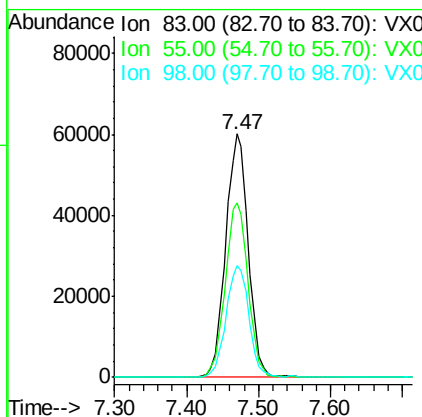
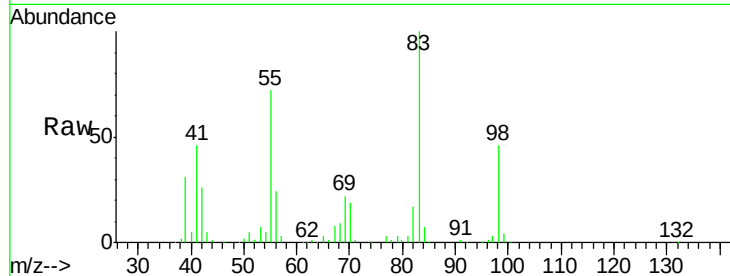
#39
Methylvlcyclohexane
Concen: 52.51 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	55.5	83.3
98	46.1	38.2	57.4

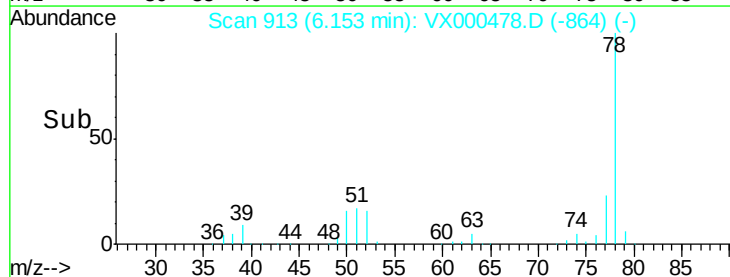
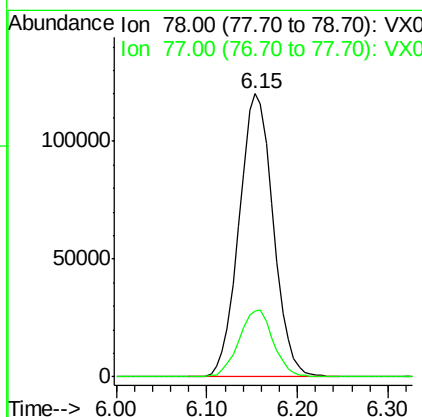
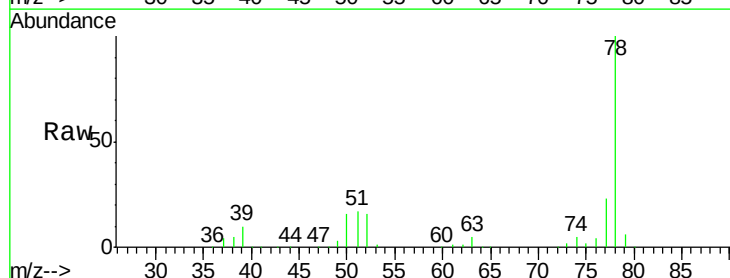
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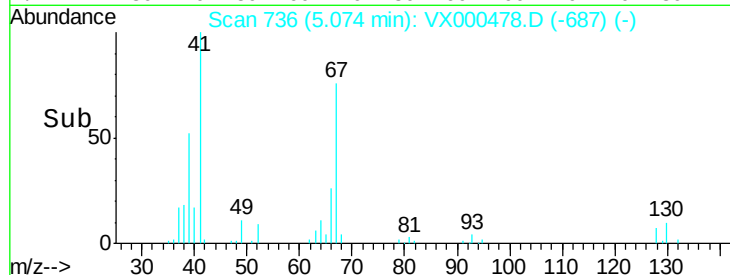
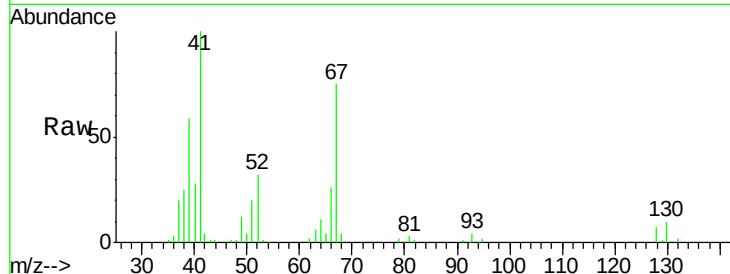
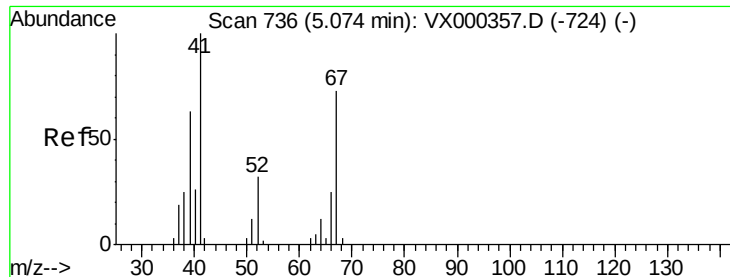
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#40
Benzene
Concen: 52.62 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

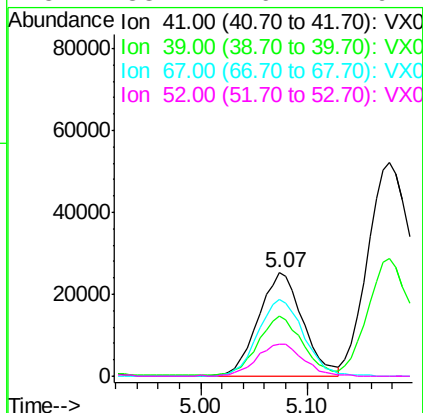
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





#41
Methacrylonitrile
Concen: 49.94 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

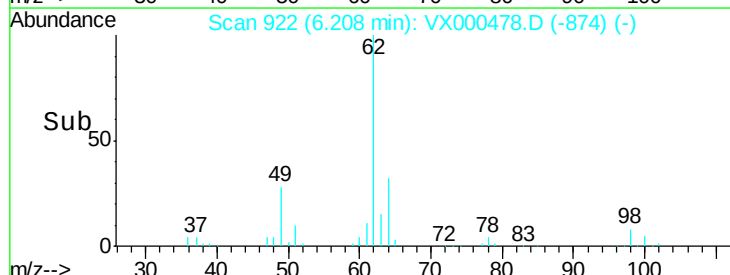
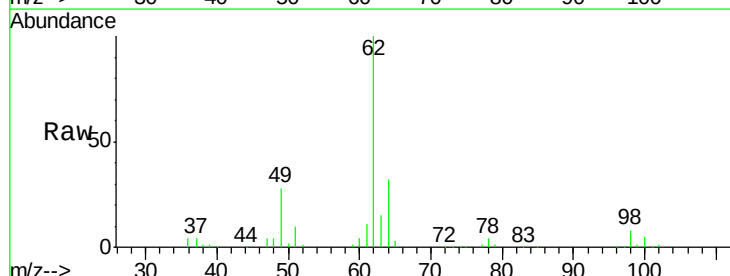
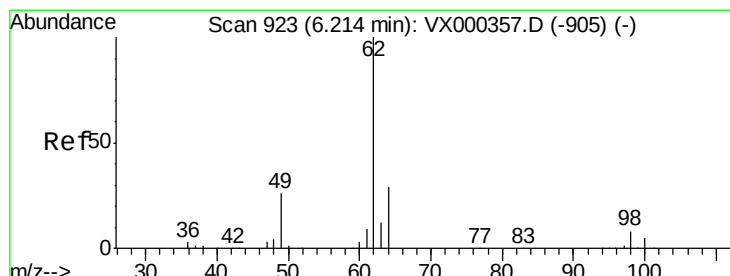
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	45.7	68.5	
67	75.7	57.8	86.8	
52	33.1	26.7	40.1	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

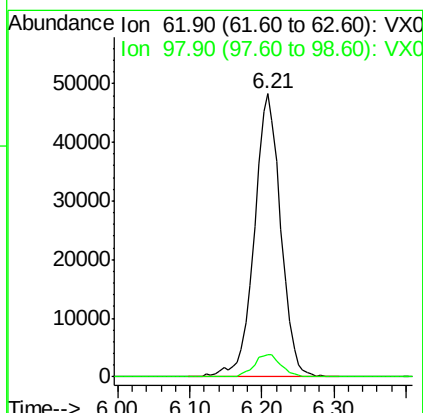
Manual Integrations
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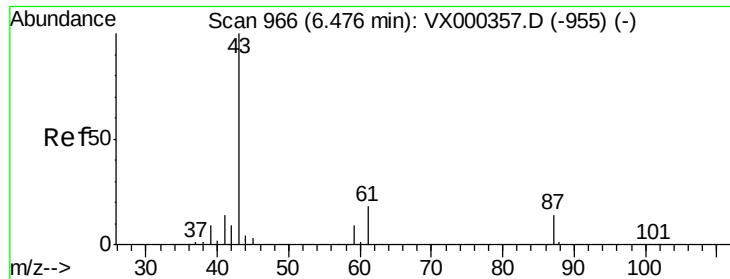
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.48 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.01 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	15.8	





#43

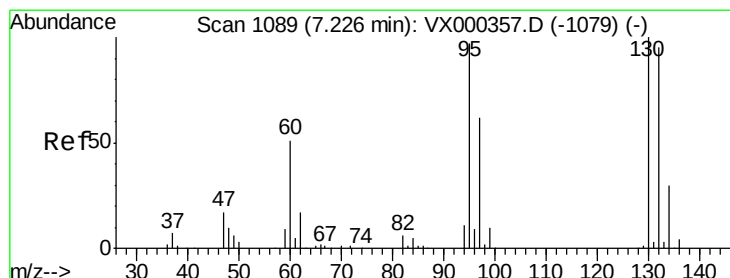
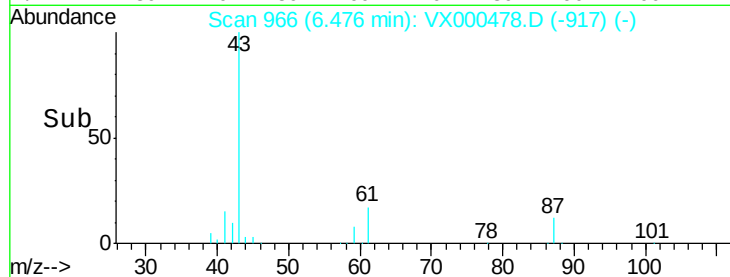
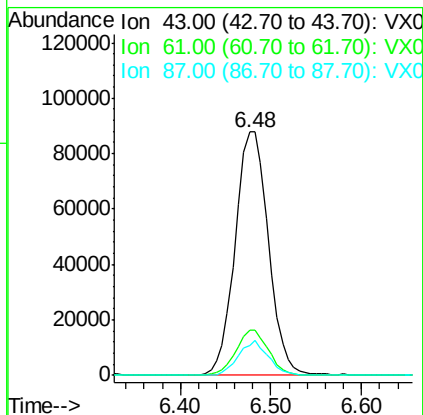
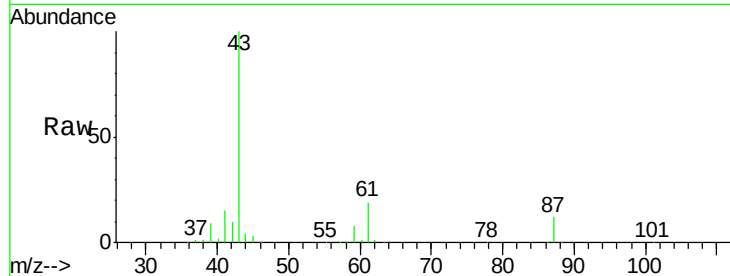
Isopropyl Acetate
 Concen: 53.55 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		223686		
61	18.1	14.4	21.6		
87	12.9	11.0	16.4		

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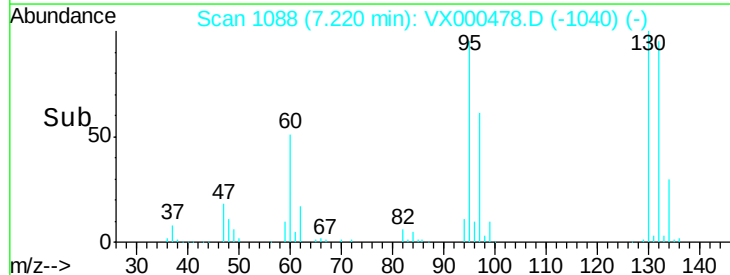
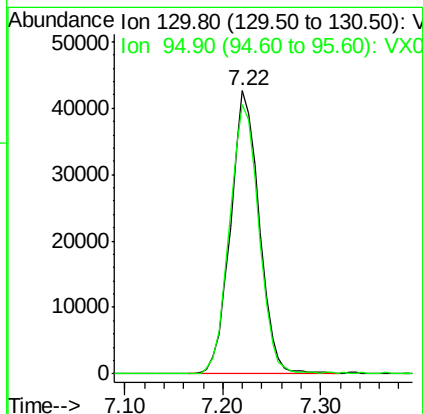
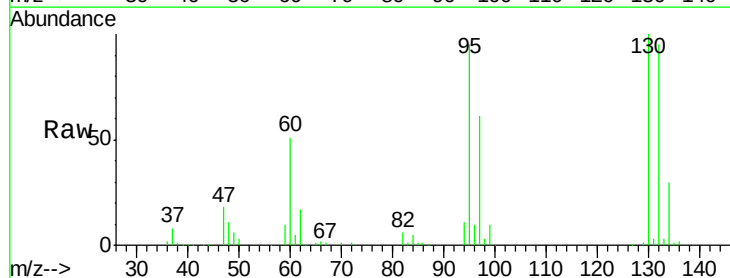
MMDadoda
 3/28/2018 11:41:56 AM

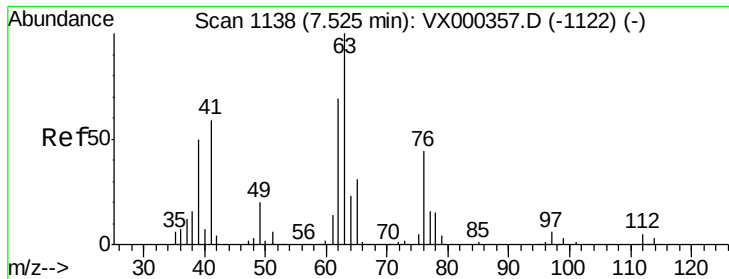


#44

Trichloroethene
 Concen: 50.75 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
130	100		86735		
95	95.2	0.0	186.0		





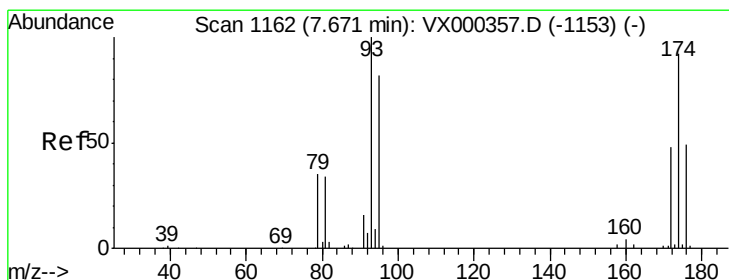
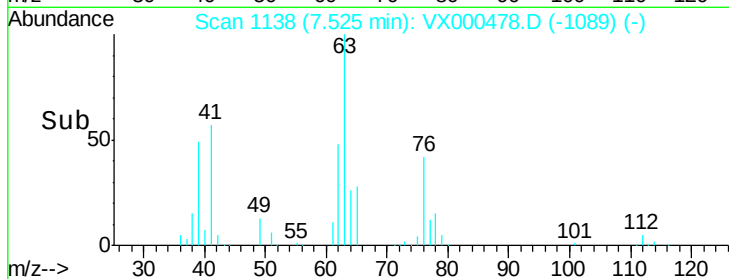
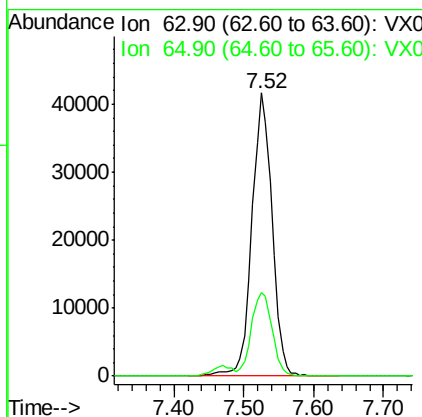
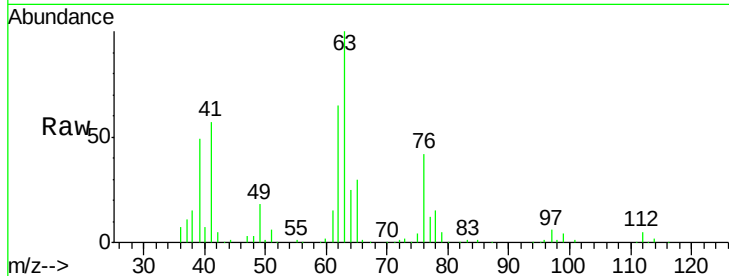
#45
 1,2-Dichloropropane
 Concen: 54.72 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.6	36.8

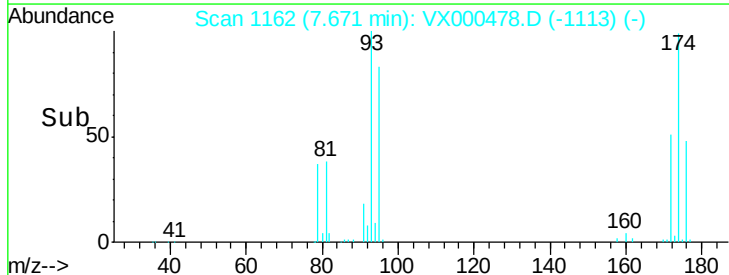
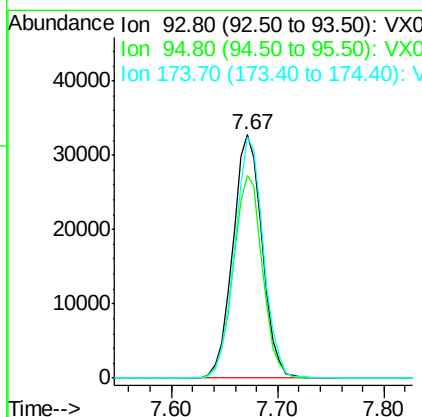
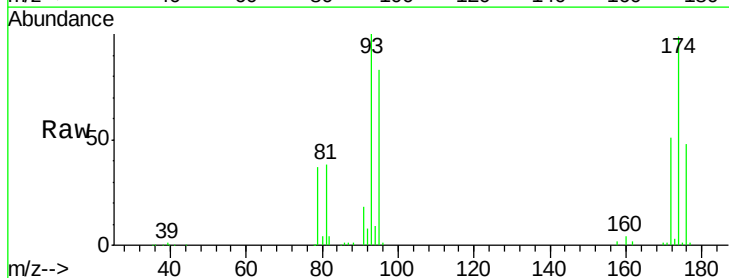
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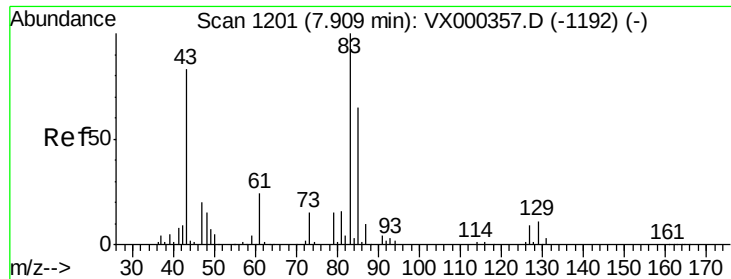
MMDadoda
 3/28/2018 11:41:56 AM



#46
 Dibromomethane
 Concen: 52.59 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.5	99.7
174	97.2	76.0	114.0





#47

Bromodichloromethane

Concen: 55.66 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 117379

Ion Ratio Lower Upper

83 100

85 64.4 51.4 77.0

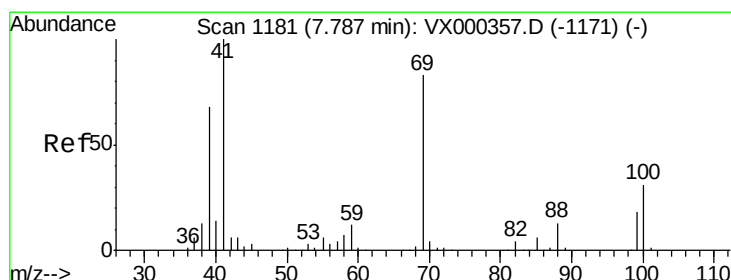
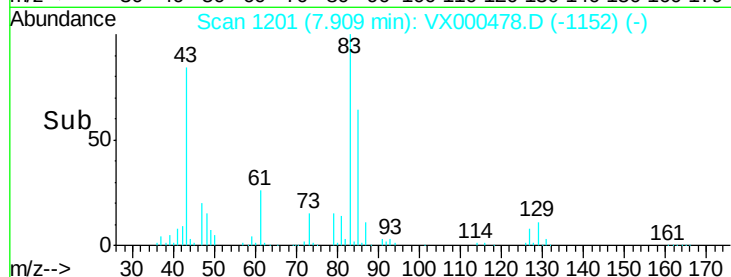
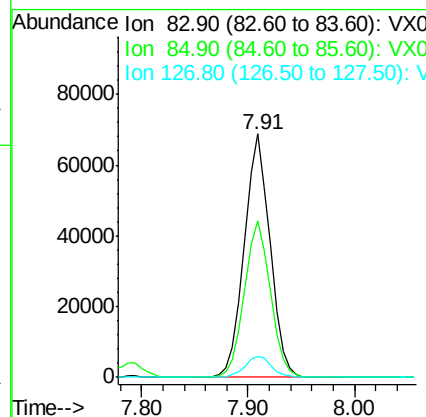
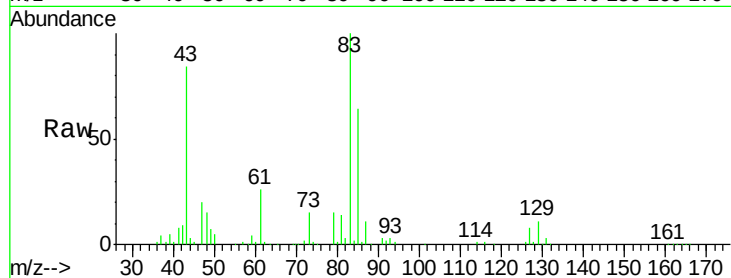
127 8.4 7.0 10.6

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#48

Methyl methacrylate

Concen: 55.90 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

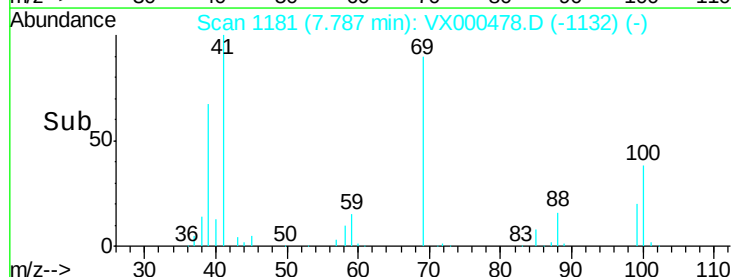
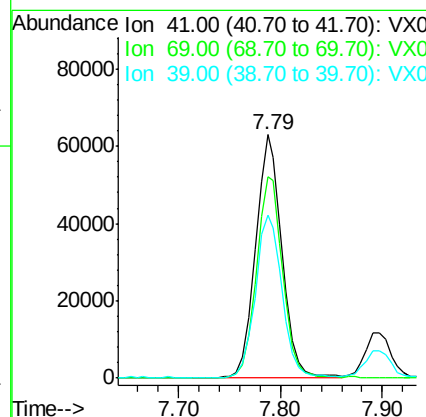
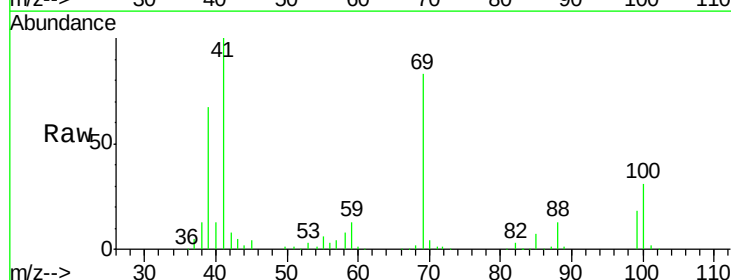
Tgt Ion: 41 Resp: 113356

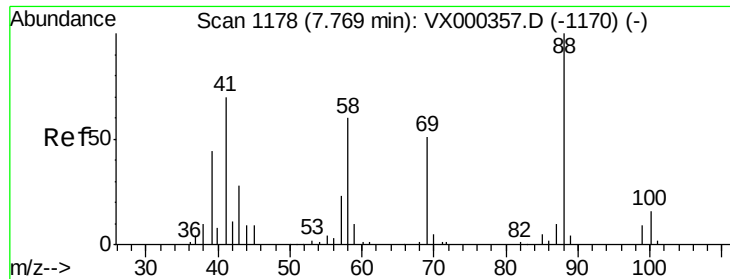
Ion Ratio Lower Upper

41 100

69 83.4 68.2 102.4

39 67.5 54.6 81.8





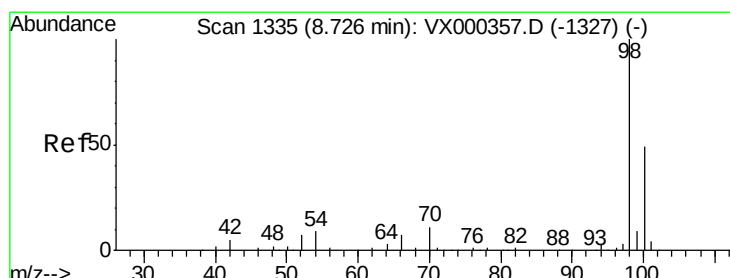
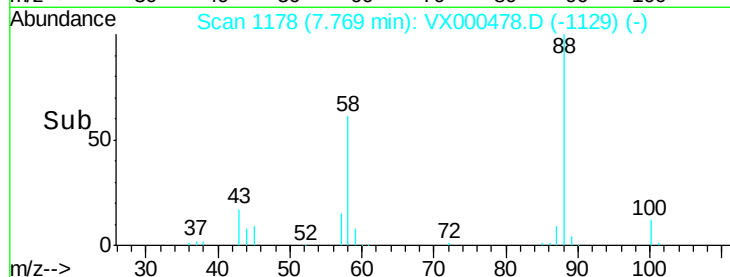
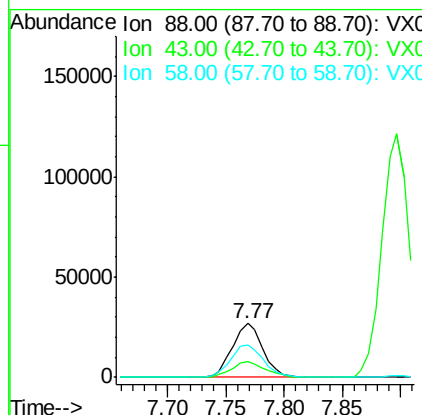
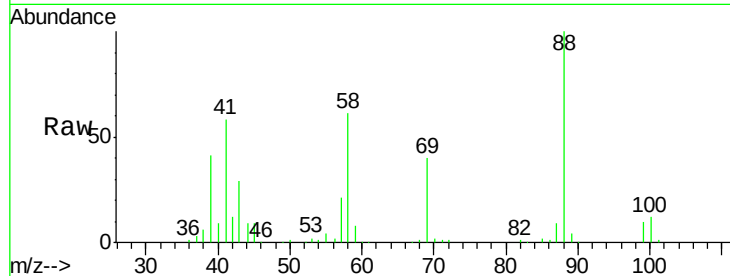
#49
1,4-Dioxane
Concen: 1167.16 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.8	40.2
58	64.1	52.2	78.2

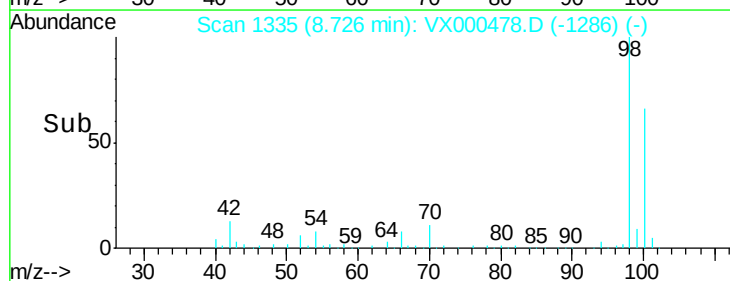
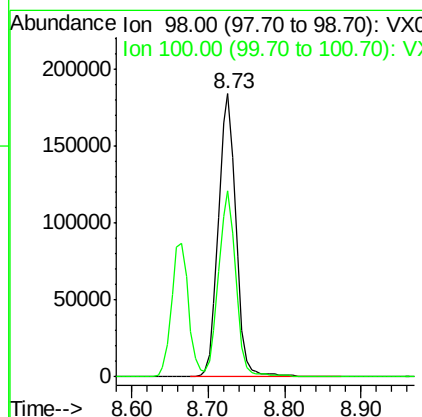
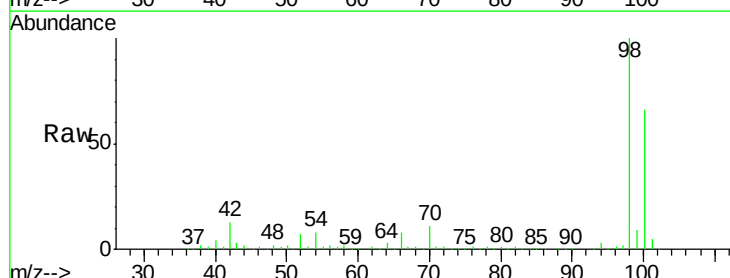
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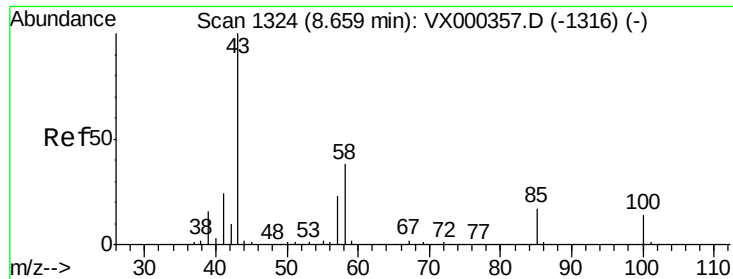
MMDadoda
3/28/2018 11:41:56 AM



#50
Toluene-d8
Concen: 51.07 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 278.76 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 901244

Ion Ratio Lower Upper

43 100

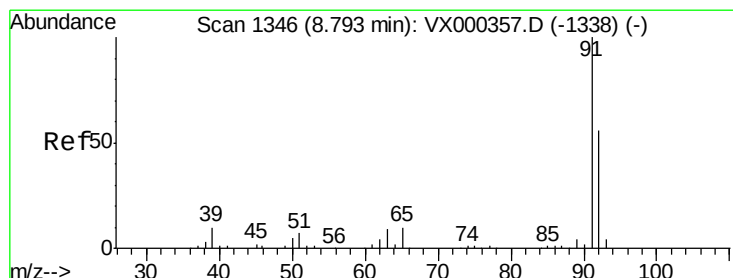
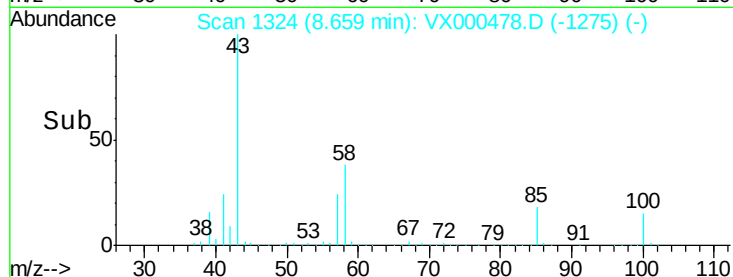
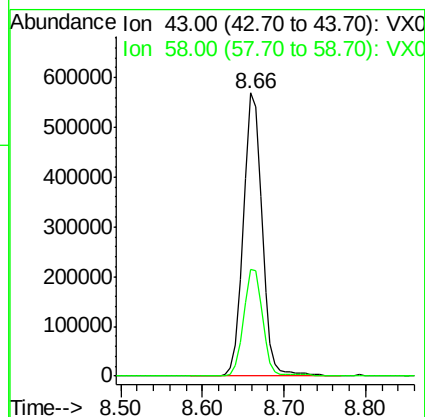
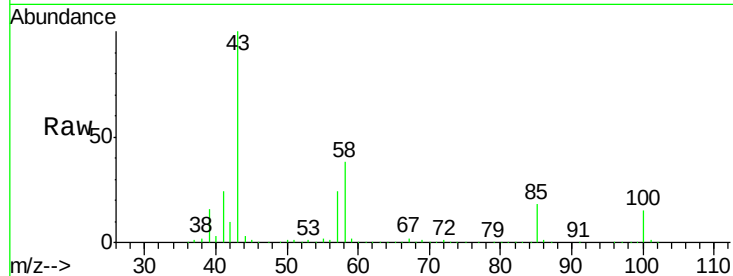
58 38.8 30.3 45.5

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#52

Toluene

Concen: 55.53 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000478.D

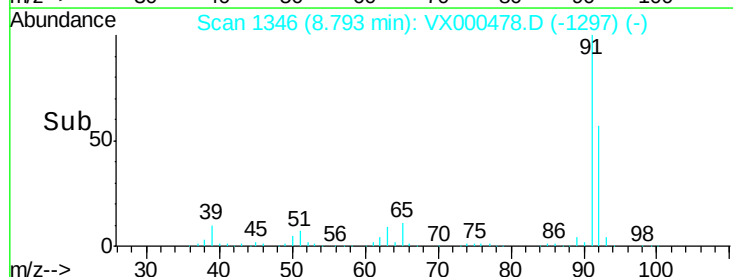
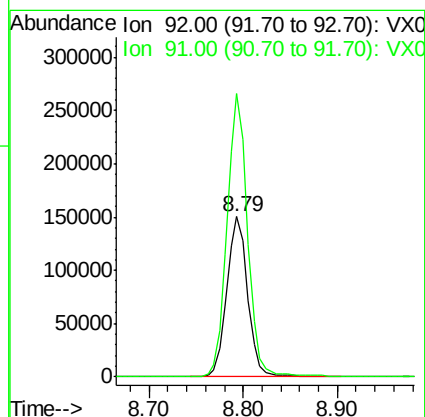
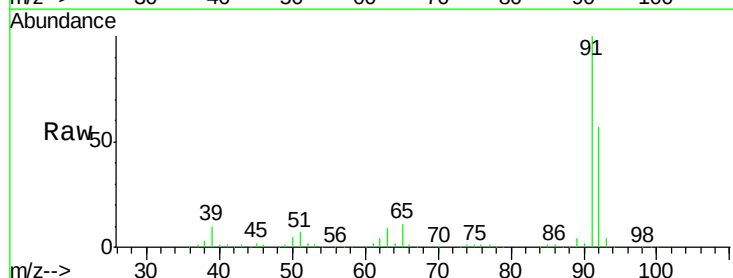
Acq: 27 Mar 2018 23:43

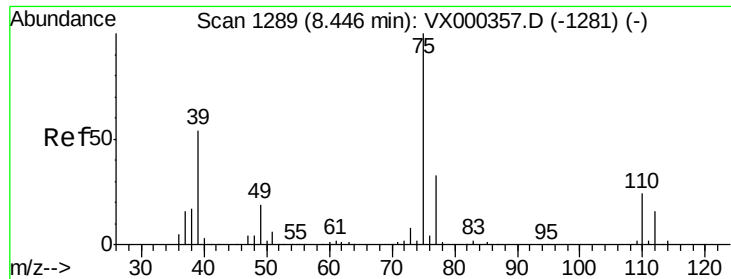
Tgt Ion: 92 Resp: 231568

Ion Ratio Lower Upper

92 100

91 174.0 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 54.13 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 132274

Ion Ratio Lower Upper

75 100

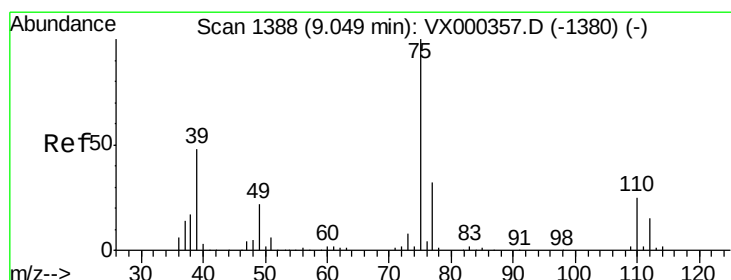
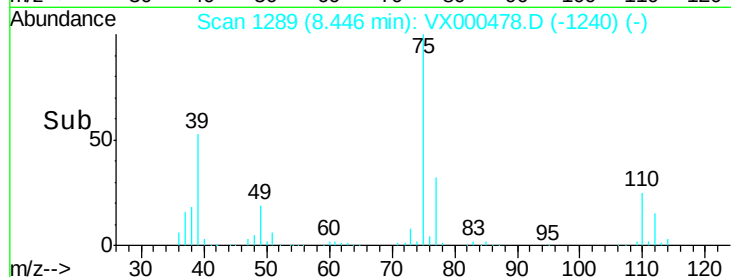
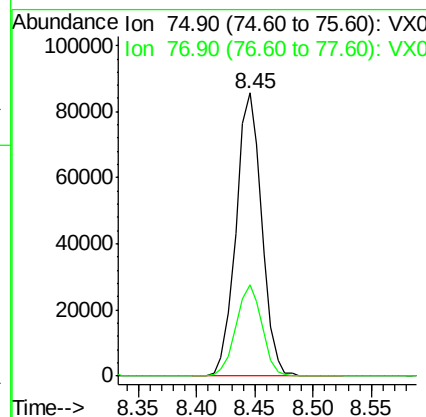
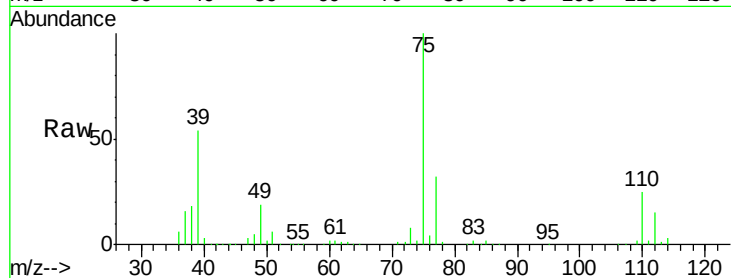
77 32.3 24.0 36.0

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#54

cis-1,3-Dichloropropene

Concen: 58.09 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

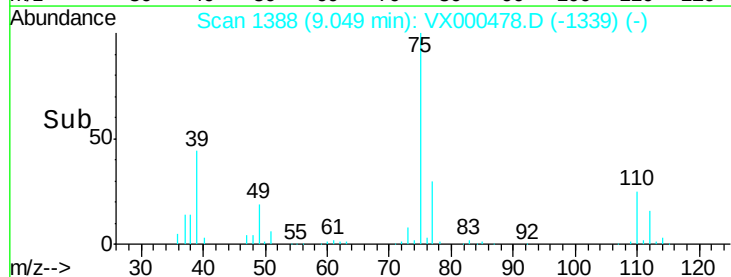
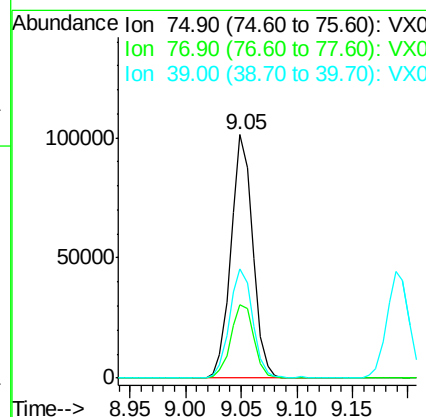
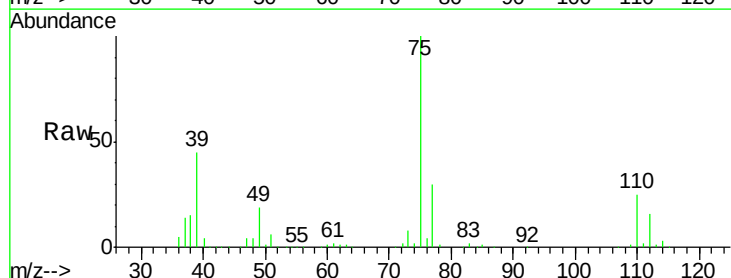
Tgt Ion: 75 Resp: 137704

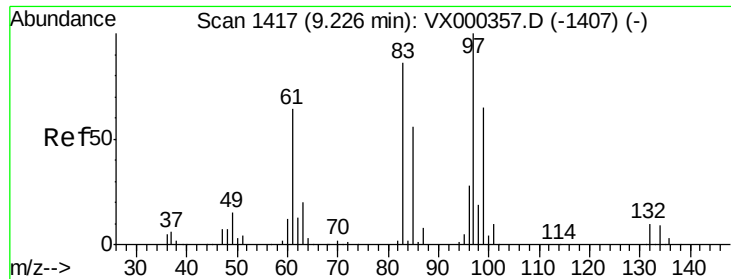
Ion Ratio Lower Upper

75 100

77 30.3 26.1 39.1

39 44.6 39.8 59.6





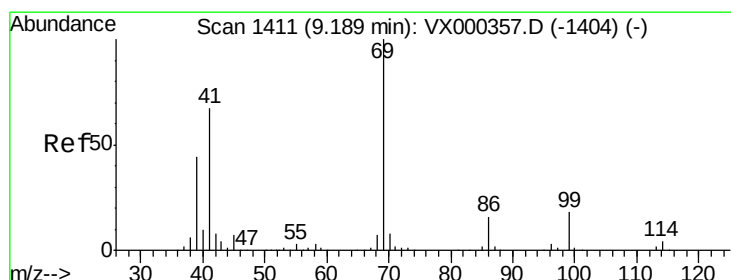
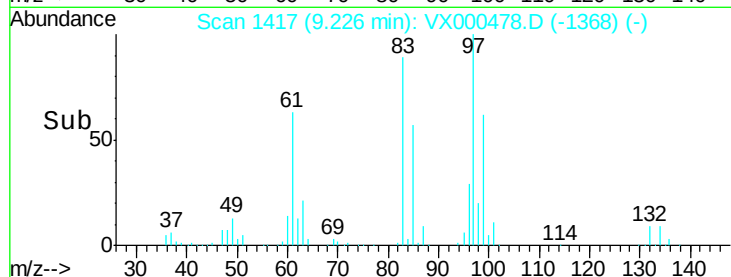
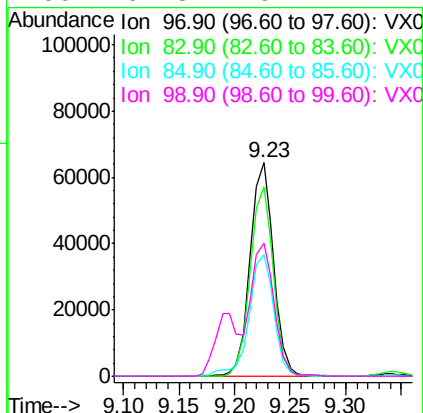
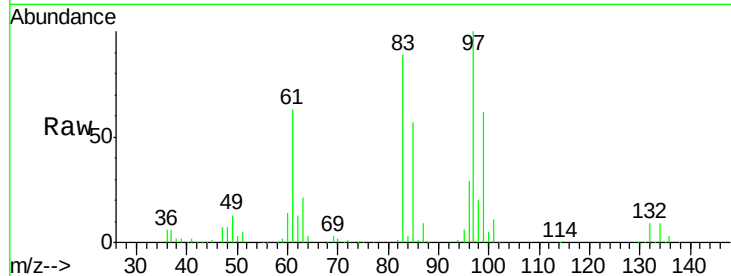
#55
 1,1,2-Trichloroethane
 Concen: 55.01 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	94341
Ion	Ratio	Lower	Upper
97	100		
83	88.7	67.9	101.9
85	57.0	42.8	64.2
99	62.3	49.4	74.2

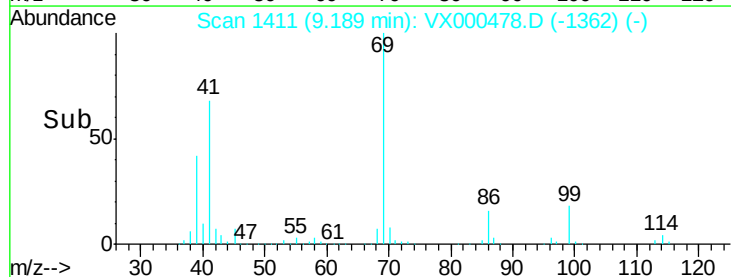
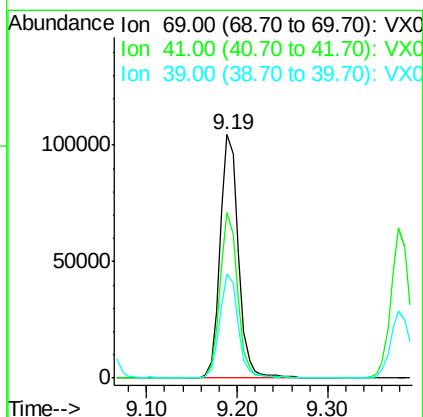
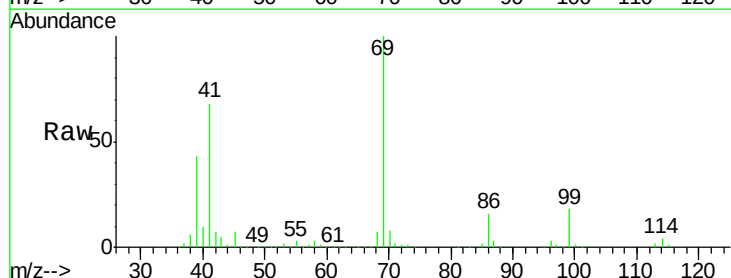
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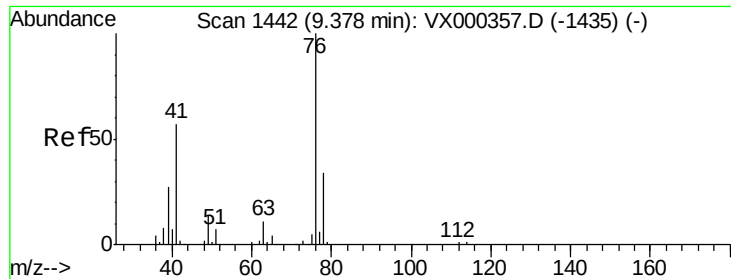
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#56
 Ethyl methacrylate
 Concen: 56.74 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Tgt Ion:	69	Resp:	147457
Ion	Ratio	Lower	Upper
69	100		
41	65.8	53.0	79.6
39	43.2	35.3	52.9





#57

1,3-Dichloropropane

Concen: 57.80 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 158547

Ion Ratio Lower Upper

76 100

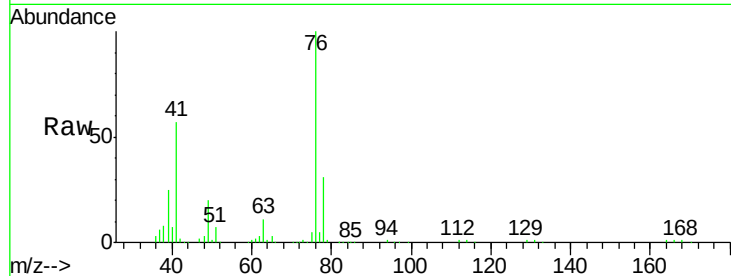
78 31.8 26.4 39.6

Manual Integrations

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3/28/2018 11:41:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

120000

100000

80000

60000

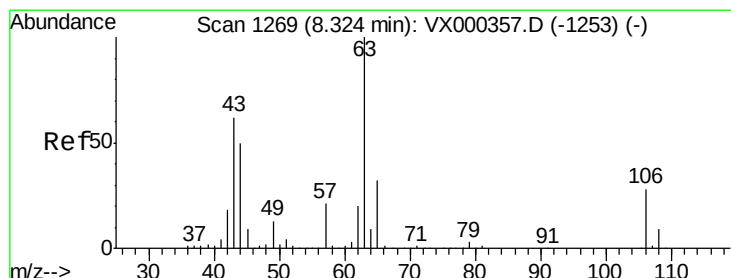
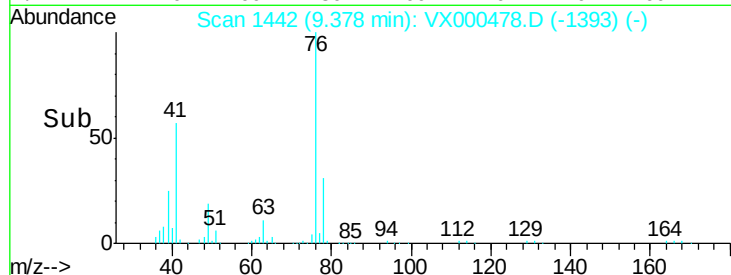
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 265.38 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000478.D

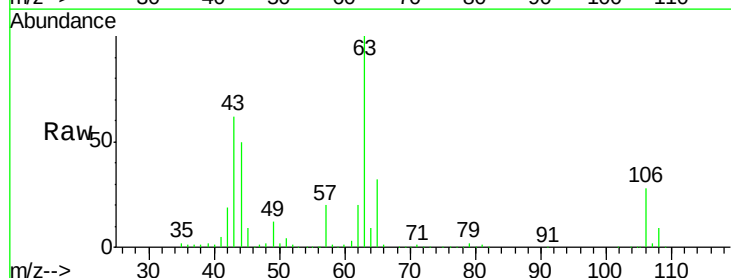
Acq: 27 Mar 2018 23:43

Tgt Ion: 63 Resp: 331009

Ion Ratio Lower Upper

63 100

106 28.4 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

250000

200000

150000

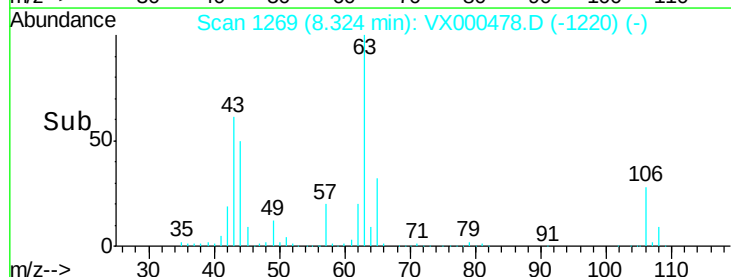
100000

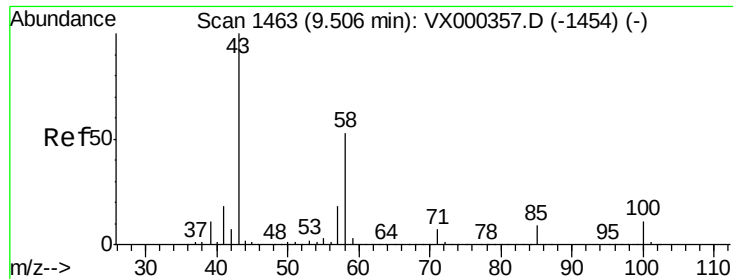
50000

0

8.20 8.30 8.40

Time-->





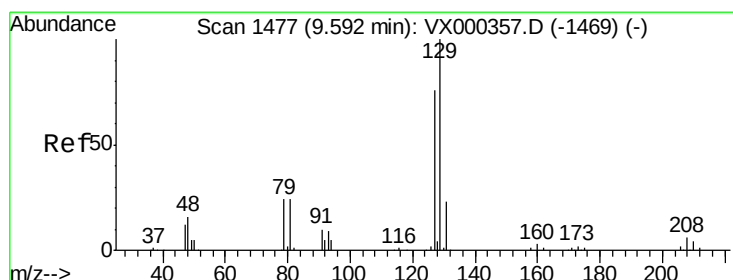
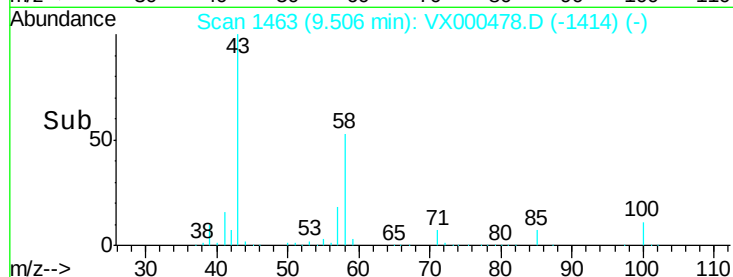
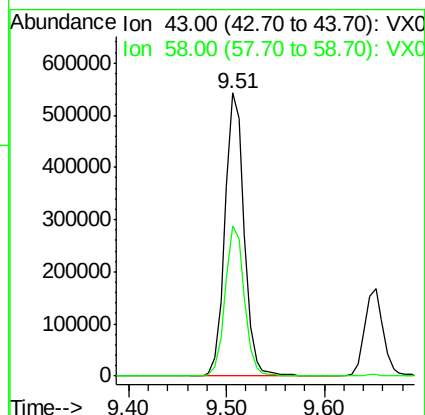
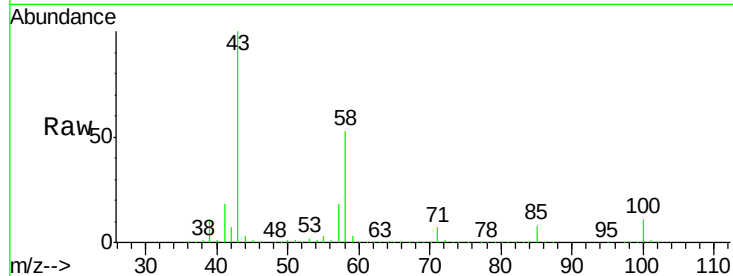
#59
2-Hexanone
Concen: 269.49 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 739825
Ion Ratio Lower Upper
43 100
58 53.3 26.6 79.7

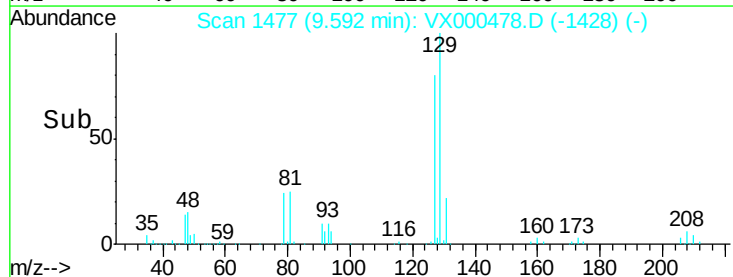
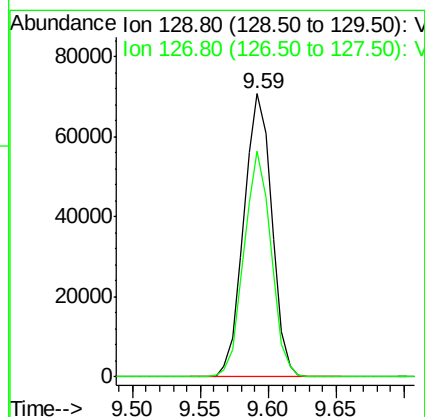
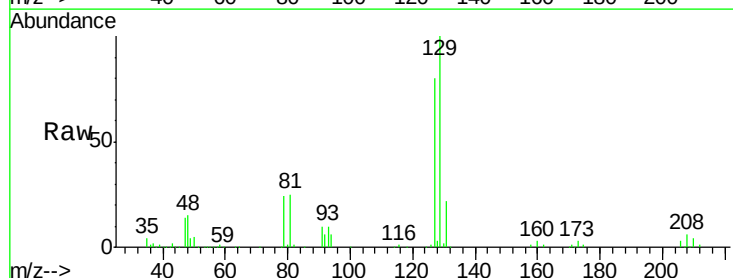
Manual Integrations
APPROVED

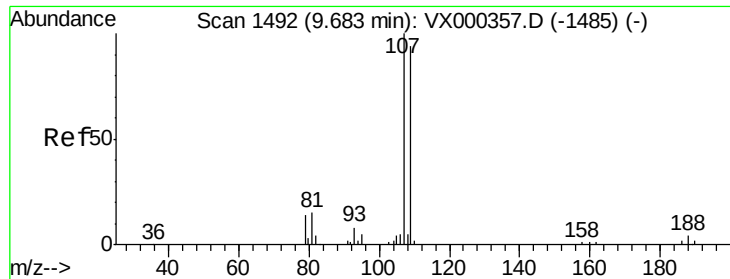
MMDadoda
3/28/2018 11:41:56 AM



#60
Dibromochloromethane
Concen: 50.42 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion: 129 Resp: 102415
Ion Ratio Lower Upper
129 100
127 77.0 37.9 113.6





#61

1,2-Dibromoethane

Concen: 56.40 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 103736

Ion Ratio Lower Upper

107 100

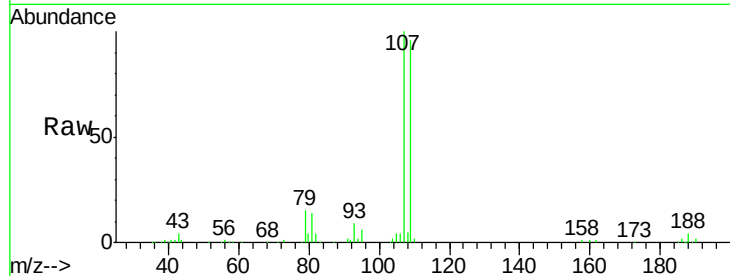
109 94.1 76.1 114.1

Manual Integrations

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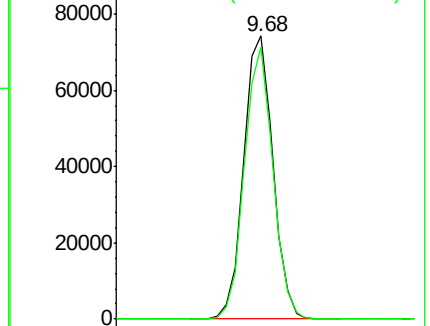
MMDadoda

3/28/2018 11:41:56 AM

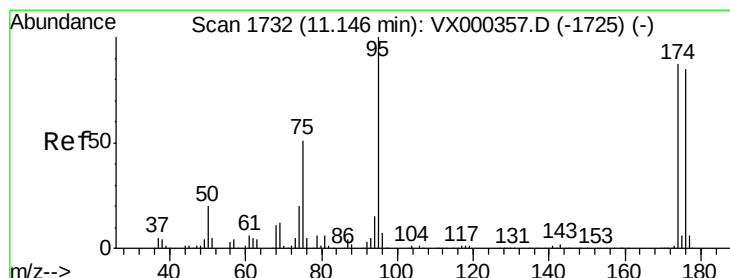
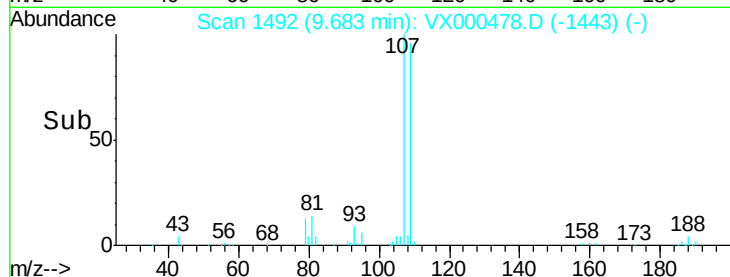


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.24 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

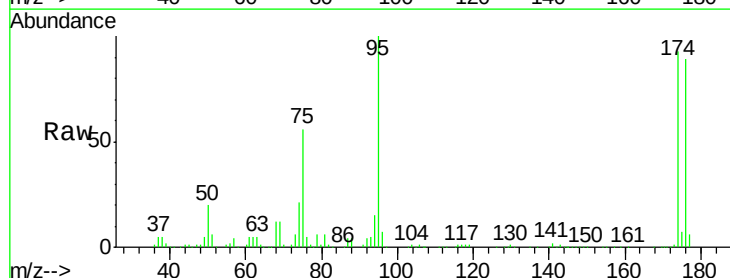
Tgt Ion: 95 Resp: 110544

Ion Ratio Lower Upper

95 100

174 90.4 0.0 173.6

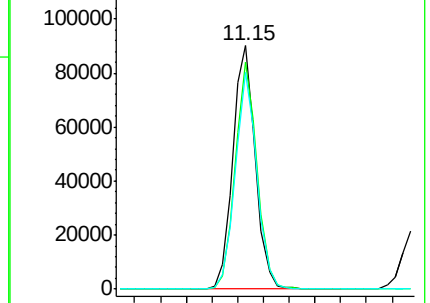
176 86.0 0.0 164.6



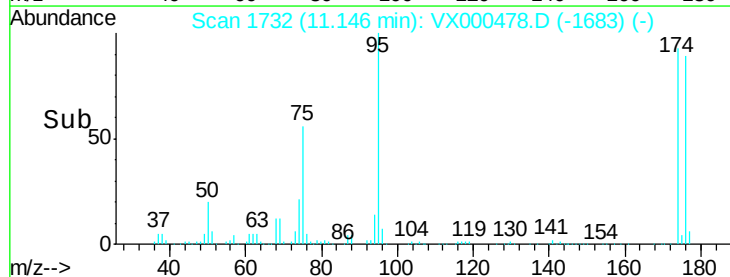
Abundance Ion 94.90 (94.60 to 95.60): VX0

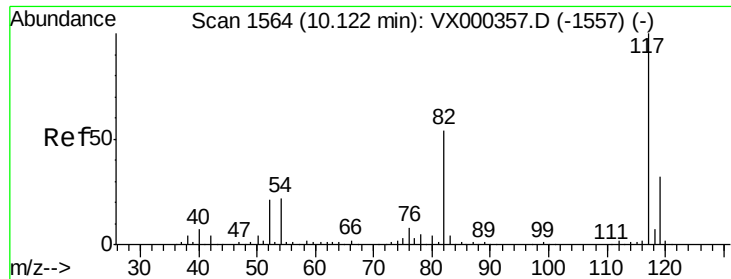
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





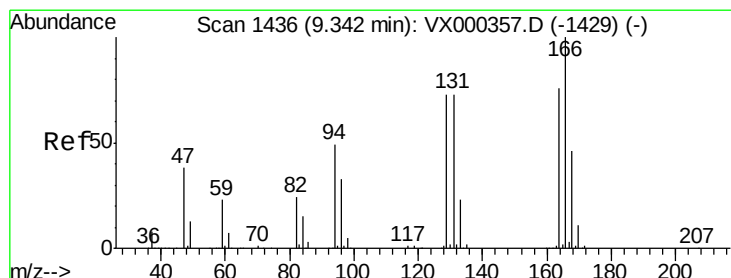
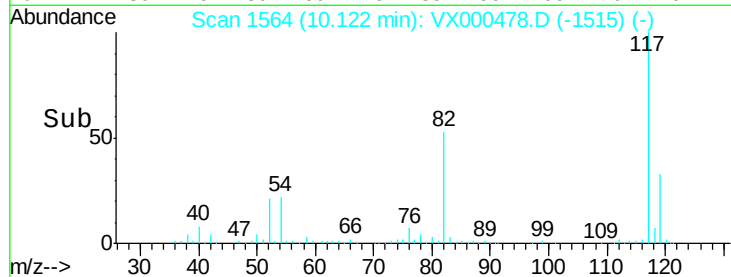
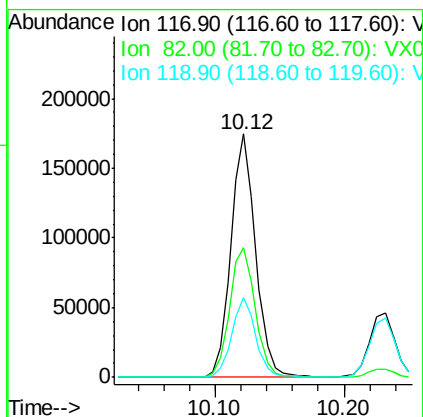
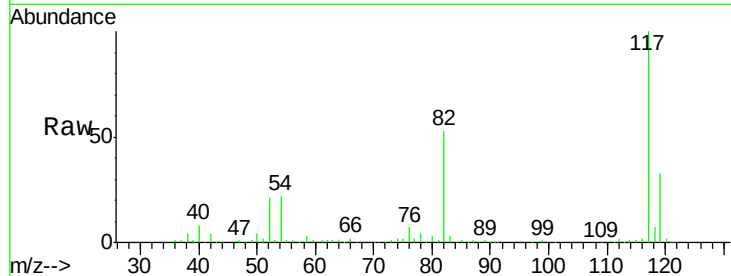
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	23516		
82	53.5	43.8	65.8	
119	32.9	24.9	37.3	

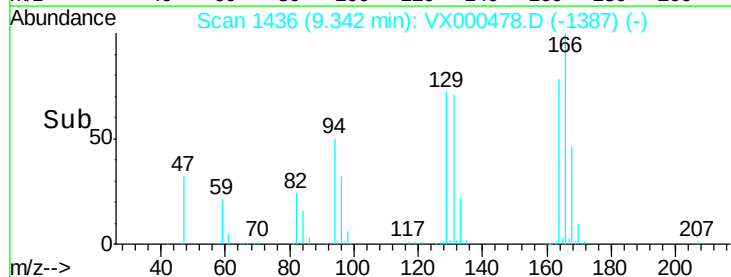
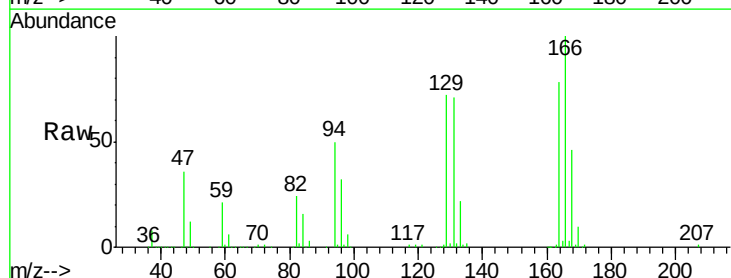
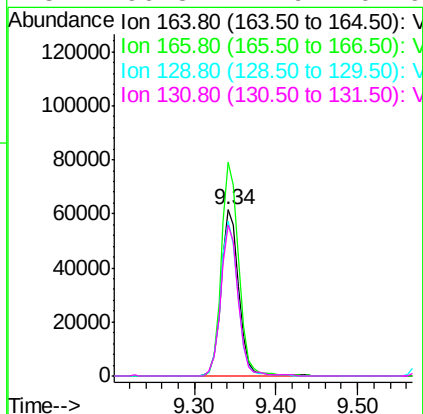
Manual Integrations
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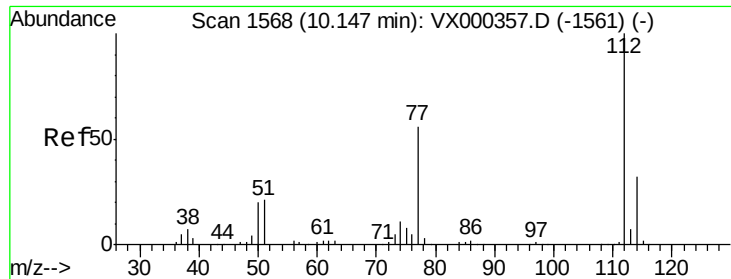
MMDadoda
3/28/2018 11:41:56 AM



#64
Tetrachloroethene
Concen: 50.83 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	92897		
166	128.4	101.0	151.6	
129	92.8	79.0	118.4	
131	90.8	71.9	107.9	





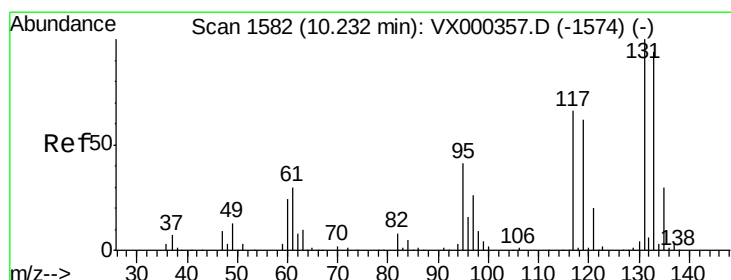
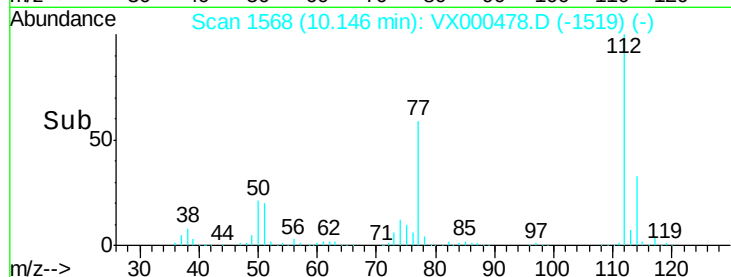
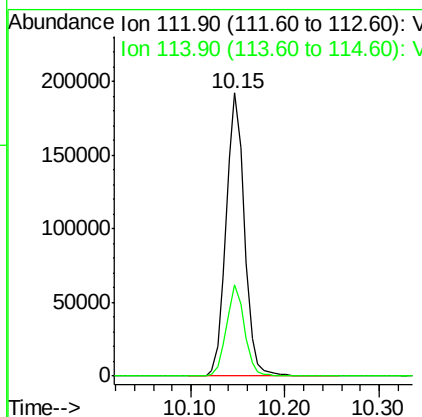
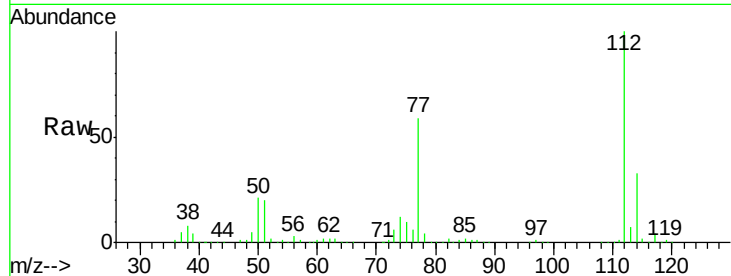
#65
Chlorobenzene
Concen: 49.61 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 260032
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5

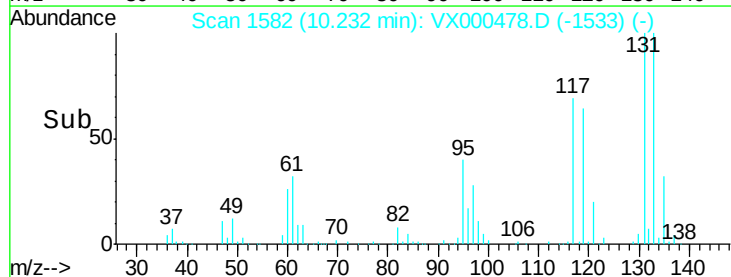
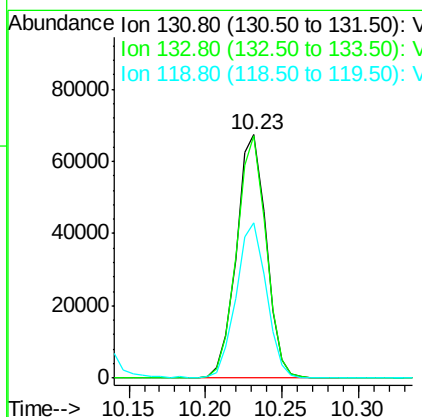
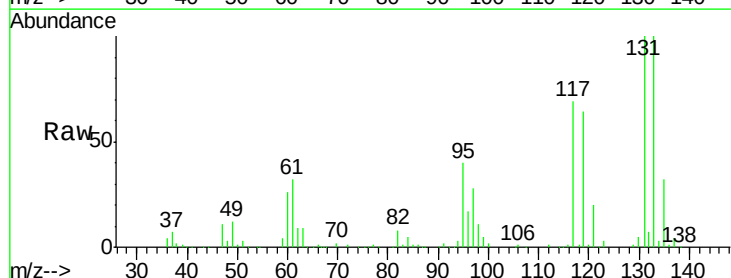
Manual Integrations
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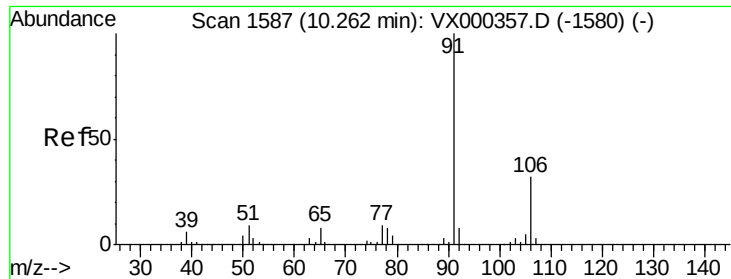
MMDadoda
3/28/2018 11:41:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.25 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion:131 Resp: 91221
Ion Ratio Lower Upper
131 100
133 97.9 47.1 141.3
119 64.8 33.1 99.2





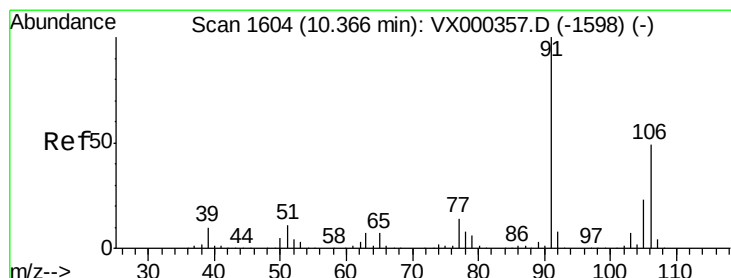
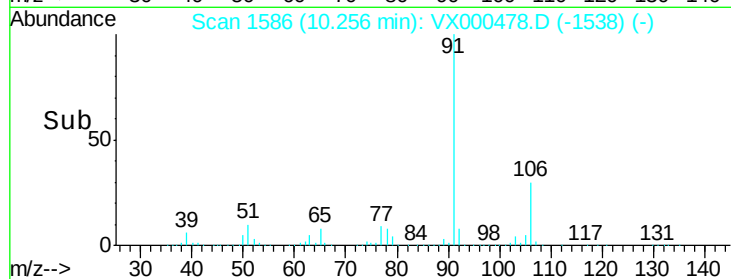
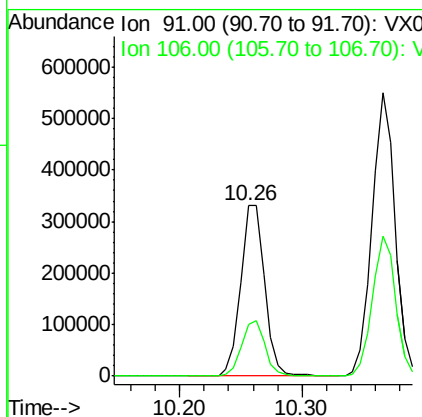
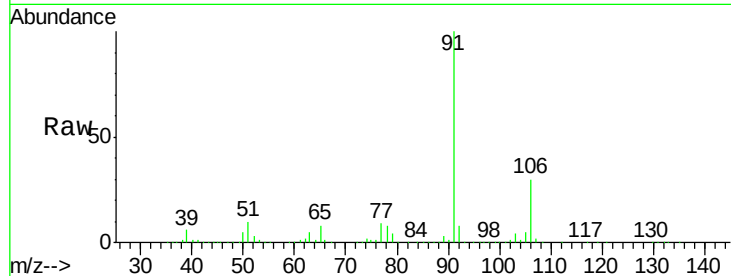
#67
Ethyl Benzene
Concen: 50.73 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 450754
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.6

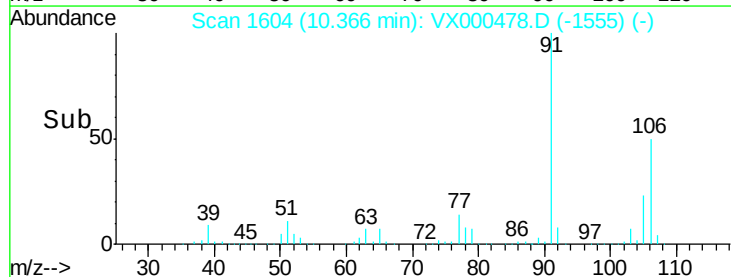
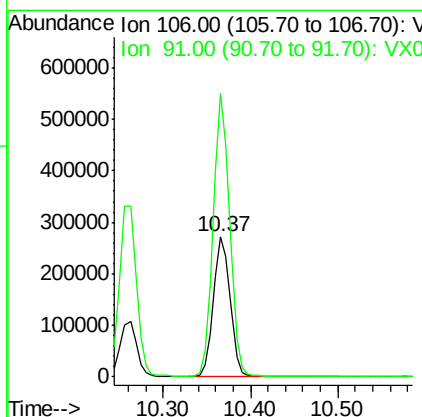
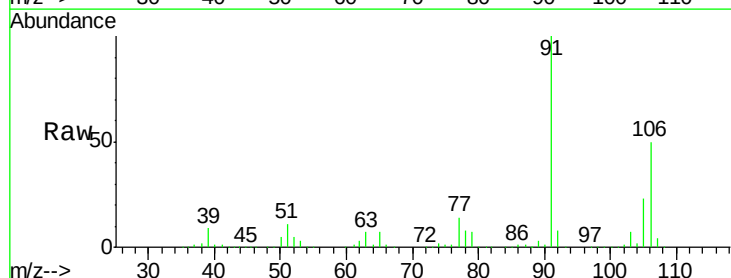
Manual Integrations
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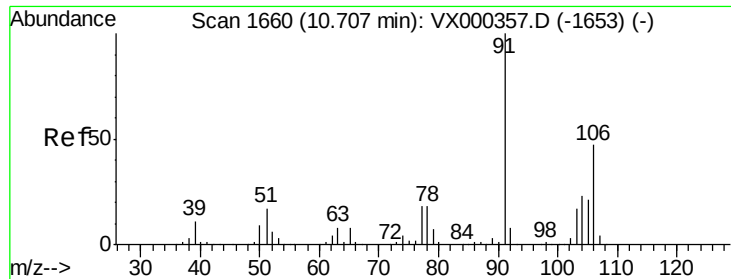
MMDadoda
3/28/2018 11:41:56 AM



#68
m/p-Xylenes
Concen: 103.83 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion: 106 Resp: 363023
Ion Ratio Lower Upper
106 100
91 200.0 163.4 245.2





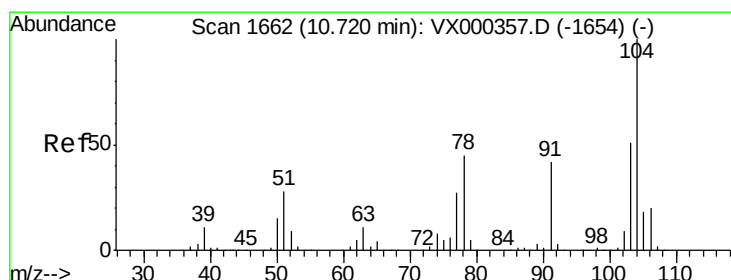
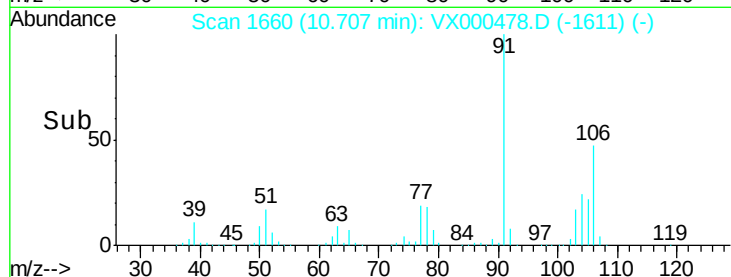
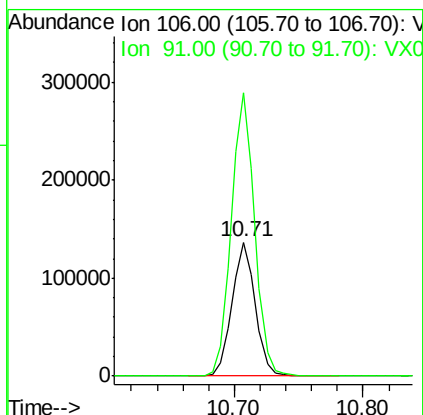
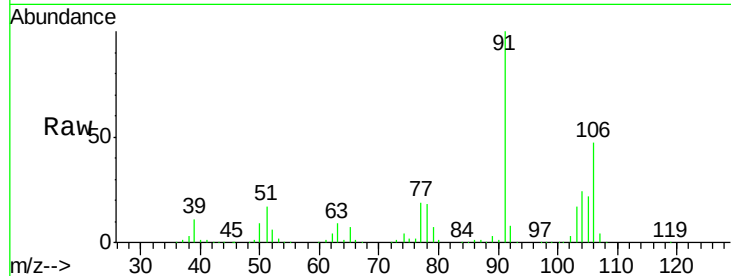
#69
o-Xylene
Concen: 51.03 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 172750
Ion Ratio Lower Upper
106 100
91 213.2 106.5 319.6

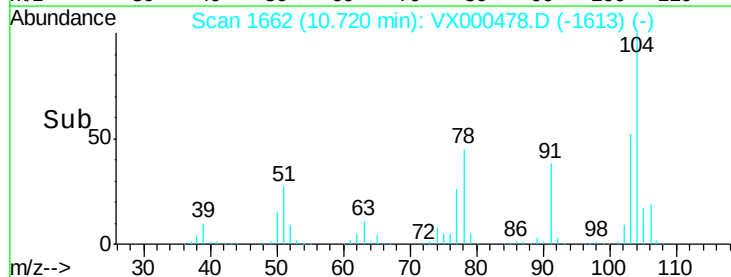
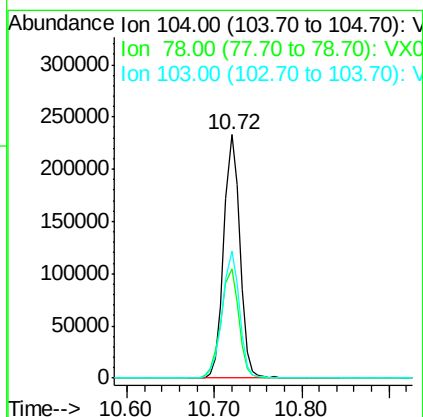
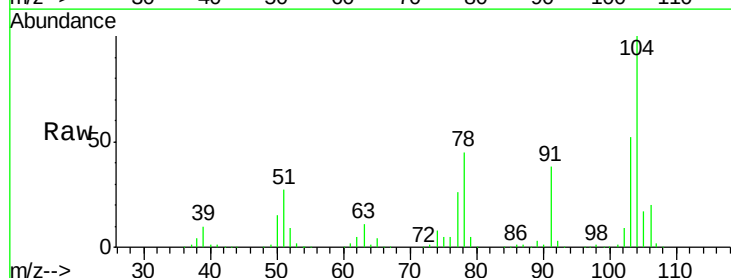
Manual Integrations
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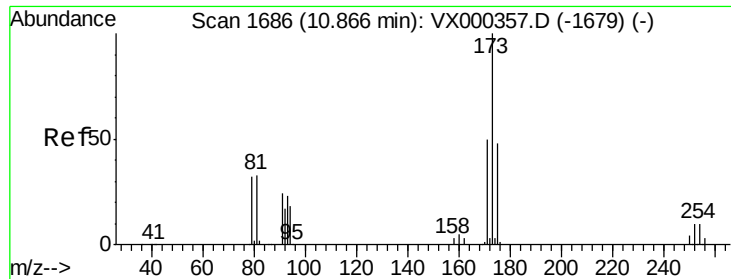
MMDadoda
3/28/2018 11:41:56 AM



#70
Styrene
Concen: 53.06 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion:104 Resp: 297181
Ion Ratio Lower Upper
104 100
78 49.7 40.5 60.7
103 55.3 45.7 68.5





#71

Bromoform

Concen: 43.19 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 78782

Ion Ratio Lower Upper

173 100

175 49.1 25.4 76.4

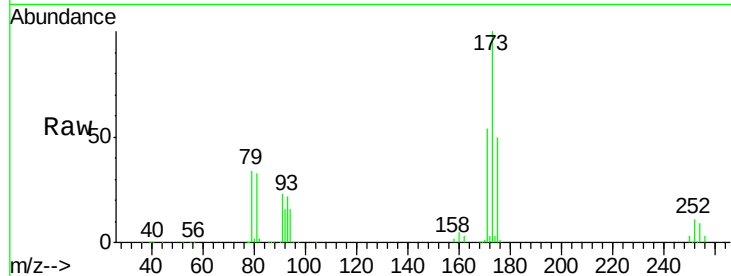
254 0.0 0.0 0.0#

Manual Integrations

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MMDadoda

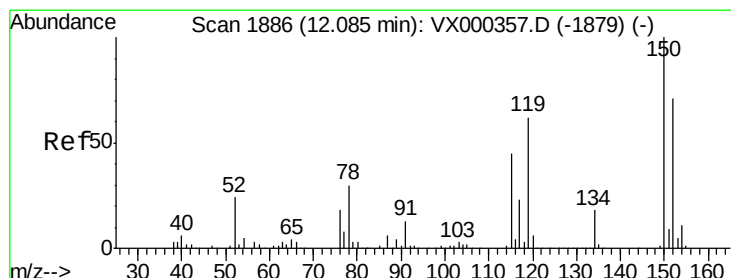
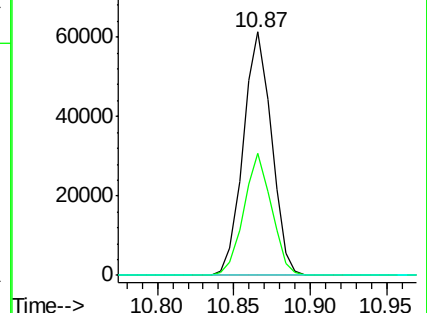
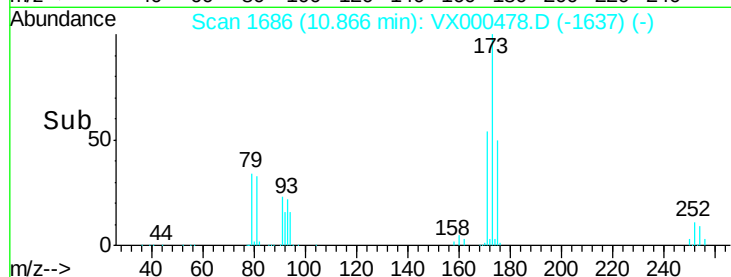
3/28/2018 11:41:56 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

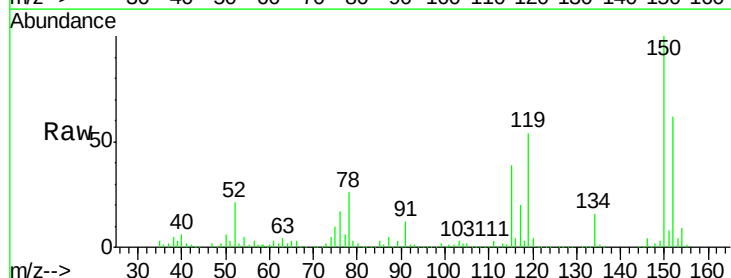
Tgt Ion:152 Resp: 148480

Ion Ratio Lower Upper

152 100

115 83.8 39.8 119.3

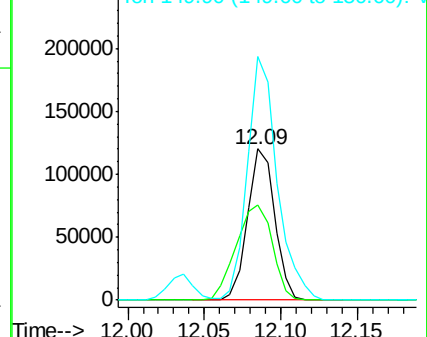
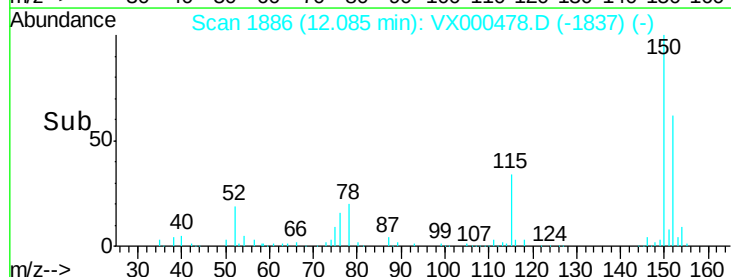
150 176.5 0.0 344.4

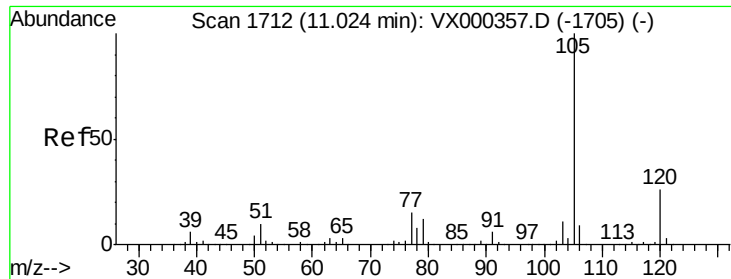


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.17 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 473841

Ion Ratio Lower Upper

105 100

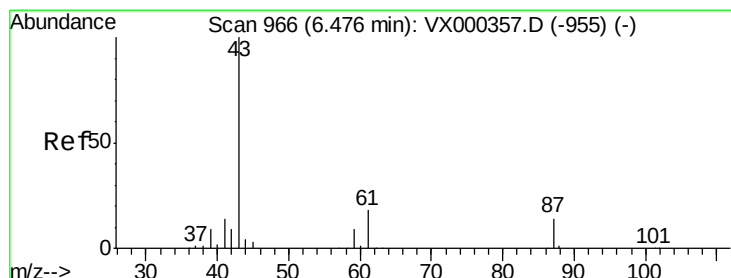
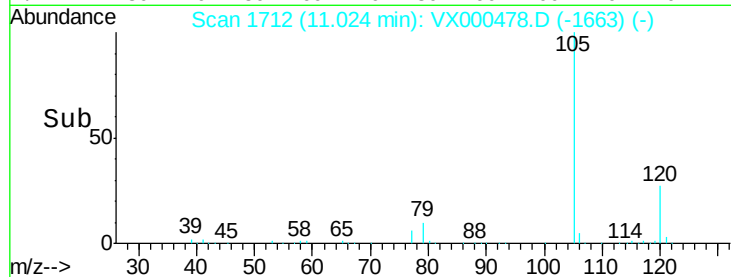
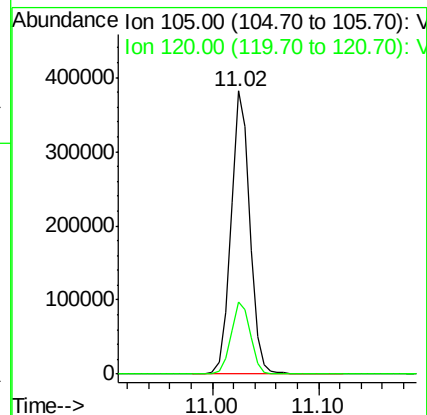
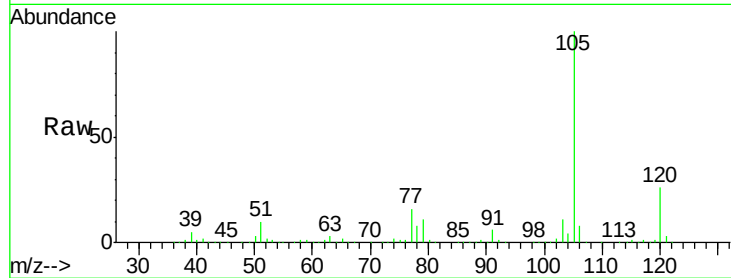
120 26.4 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.32 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Tgt Ion: 43 Resp: 223686

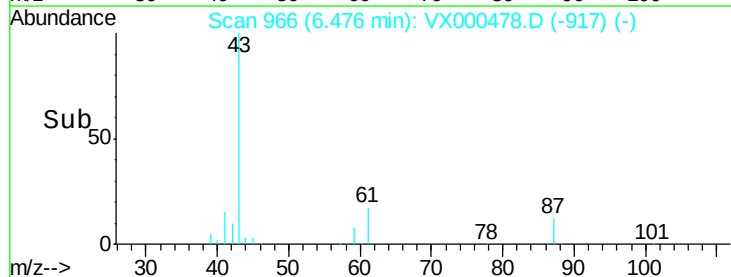
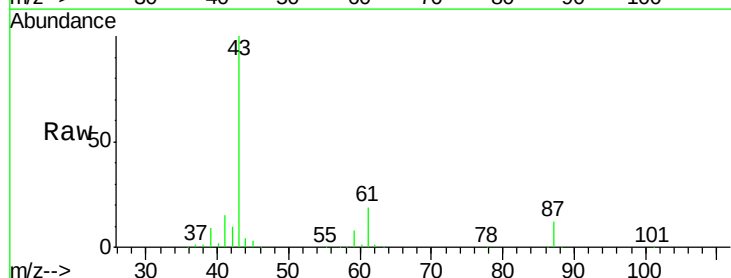
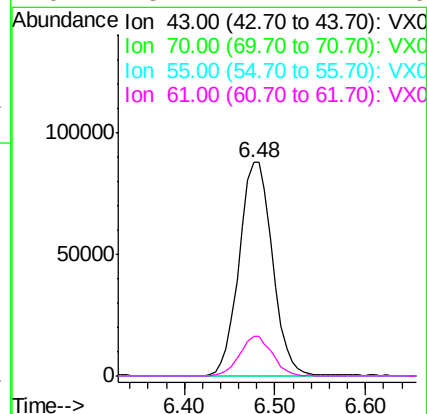
Ion Ratio Lower Upper

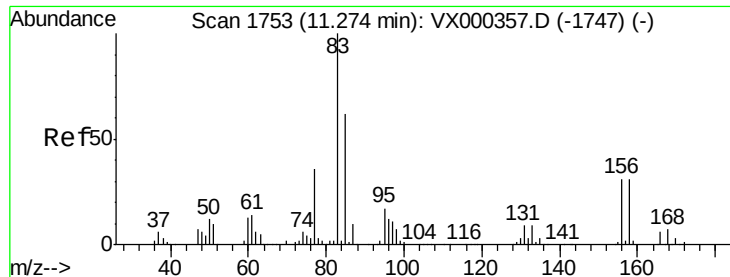
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.1 14.4 21.6





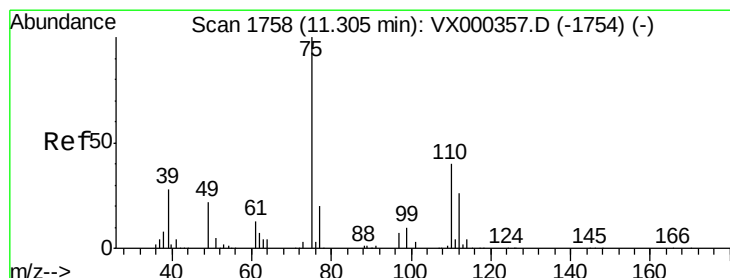
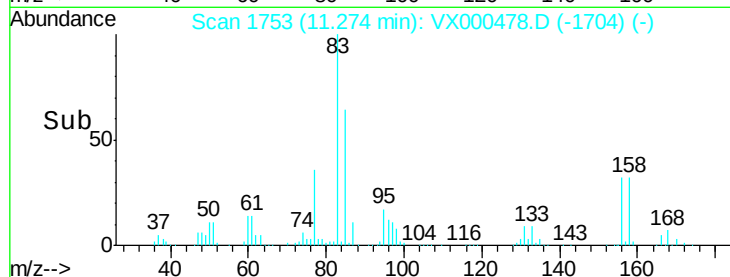
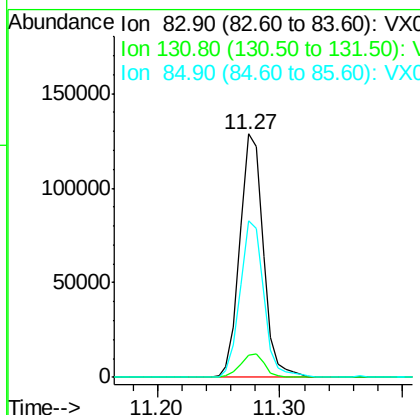
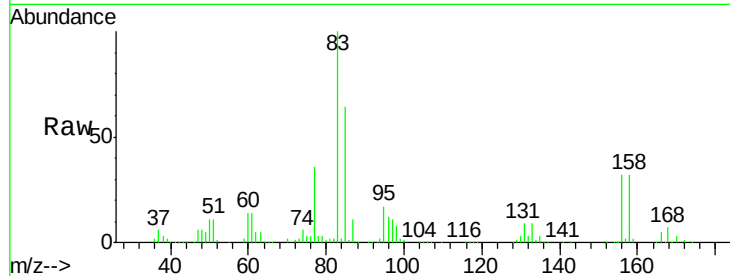
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.03 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	170614		
131	9.7	5.0	14.9	
85	64.6	32.5	97.5	

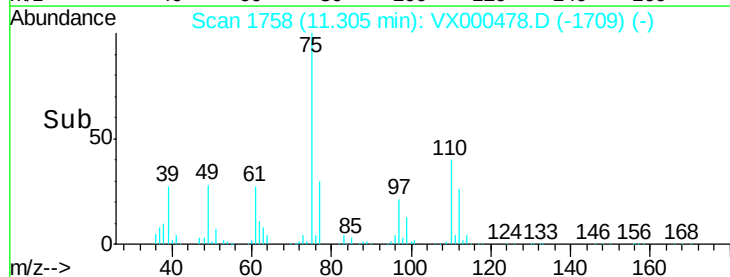
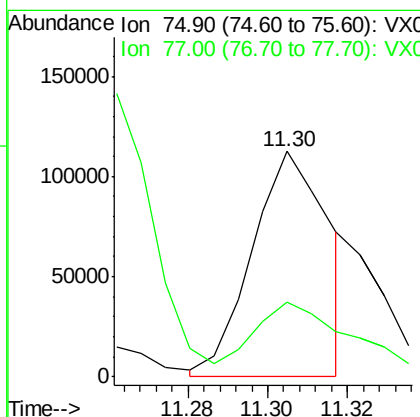
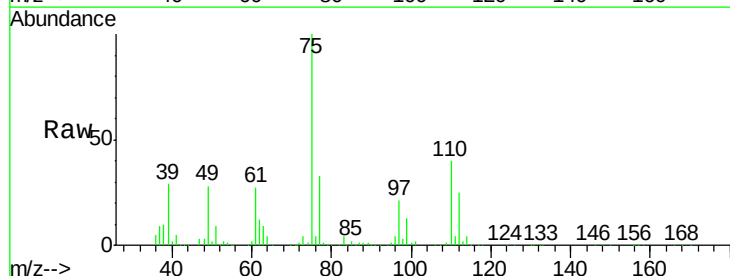
Manual Integrations
 APPROVED

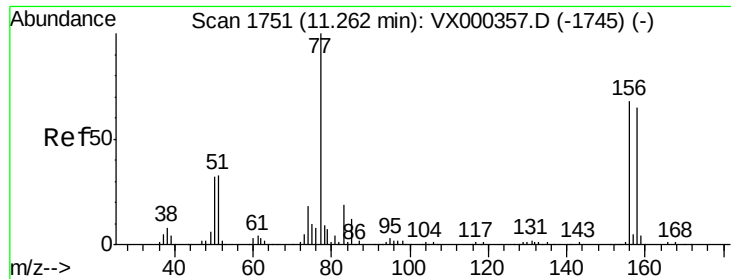
MMDadoda
 3/28/2018 11:41:56 AM



#76
 1,2,3-Trichloropropane
 Concen: 47.02 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150034		
77	42.8	21.4	64.2	





#77

Bromobenzene

Concen: 44.68 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 117096

Ion Ratio Lower Upper

156 100

77 150.8 73.4 220.2

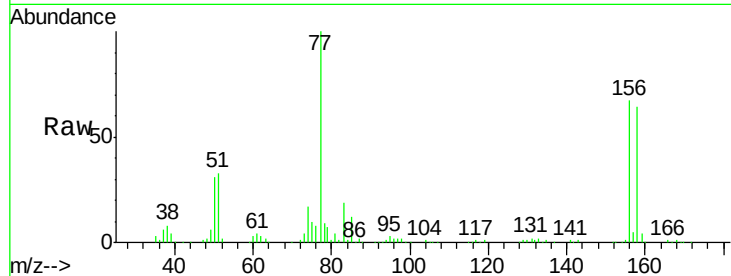
158 96.5 48.5 145.6

Manual Integrations

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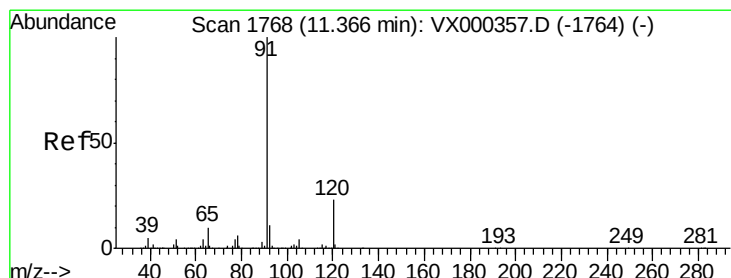
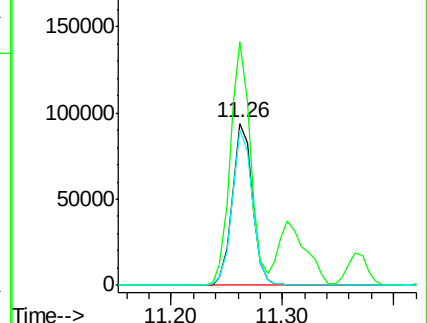
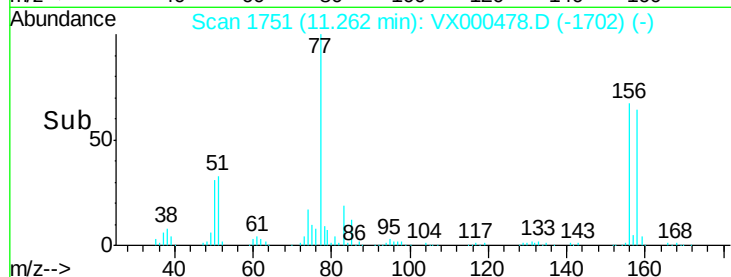
3/28/2018 11:41:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.50 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000478.D

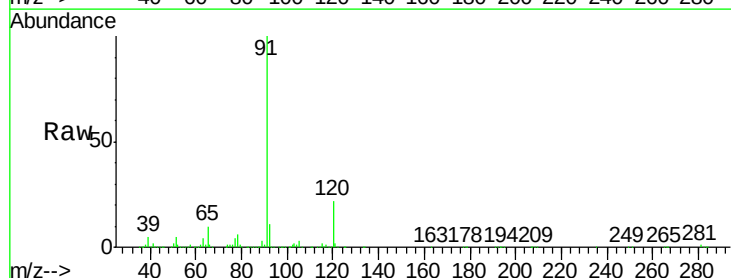
Acq: 27 Mar 2018 23:43

Tgt Ion: 91 Resp: 568964

Ion Ratio Lower Upper

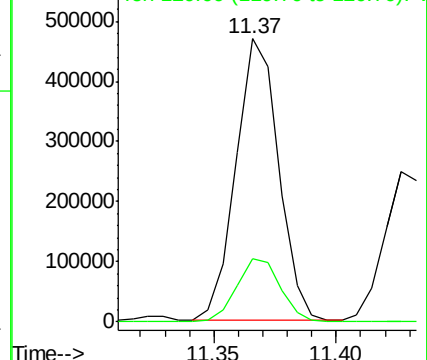
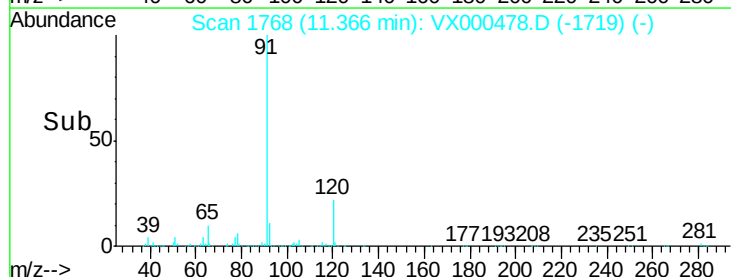
91 100

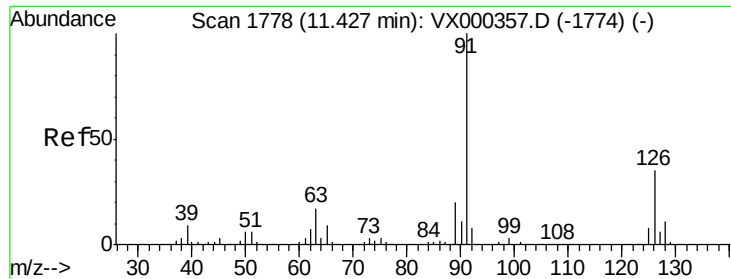
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.22 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 319992

Ion Ratio Lower Upper

91 100

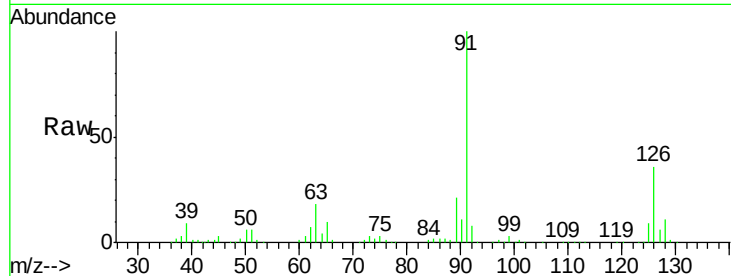
126 36.1 17.7 53.1

Manual Integrations

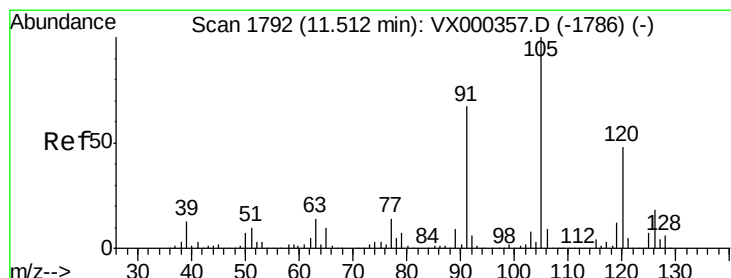
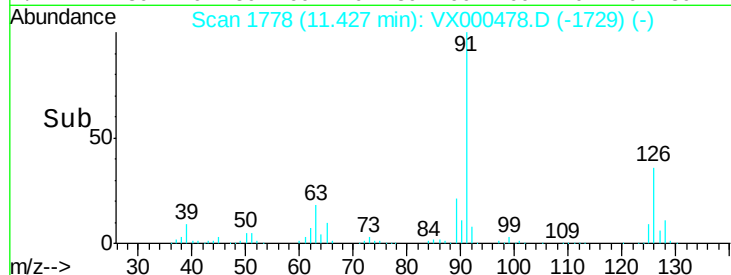
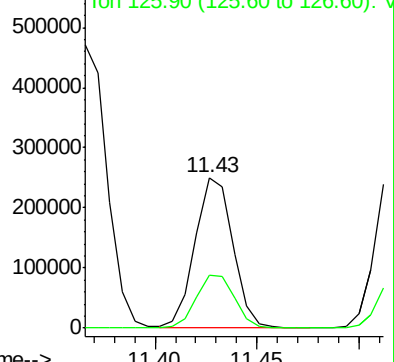
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Abundance Ion 91.00 (90.70 to 91.70): VX000478.D (-1729) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.11 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000478.D

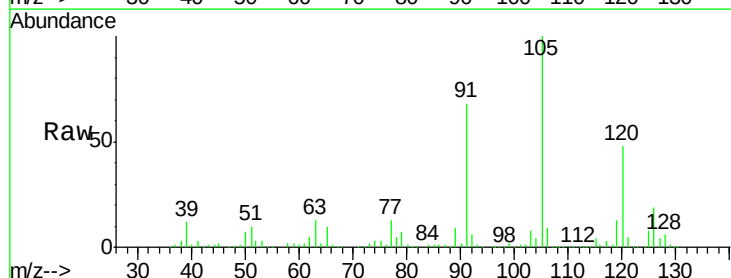
Acq: 27 Mar 2018 23:43

Tgt Ion: 105 Resp: 422767

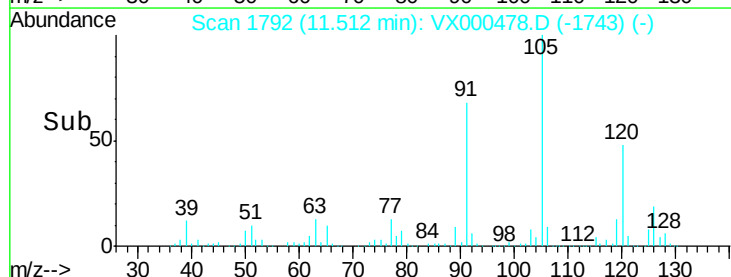
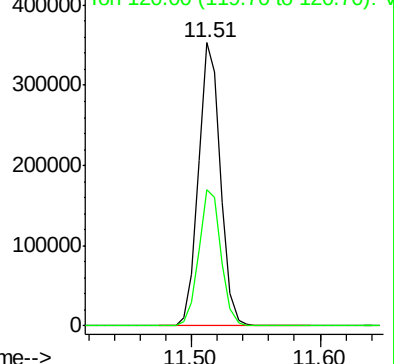
Ion Ratio Lower Upper

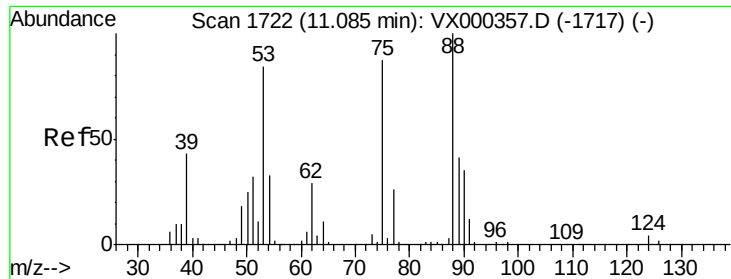
105 100

120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000478.D (-1743) (-)





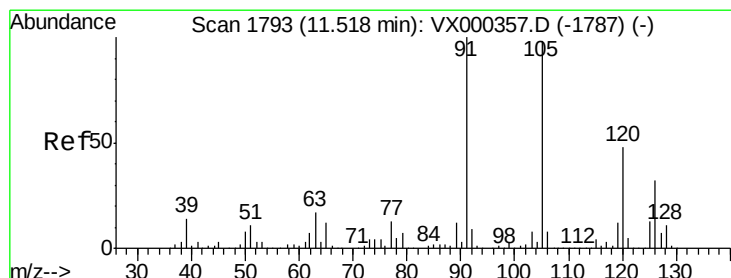
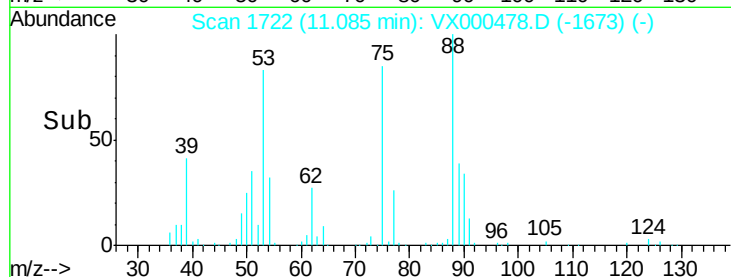
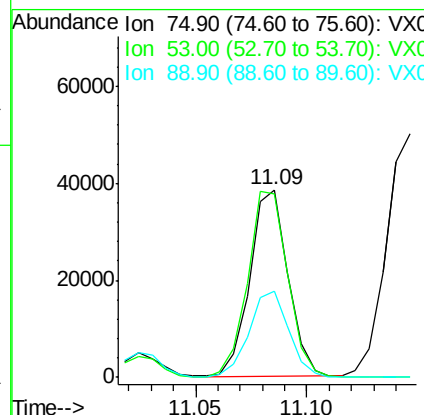
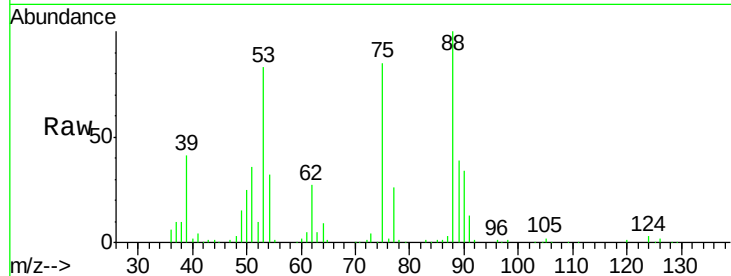
#81
trans-1,4-Dichloro-2-butene
Concen: 46.79 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 46120
Ion Ratio Lower Upper
75 100
53 105.4 80.7 121.1
89 48.1 39.4 59.0

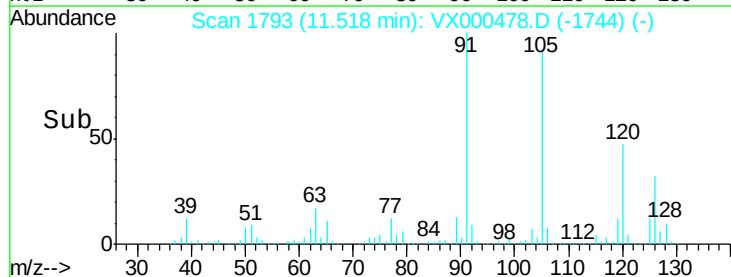
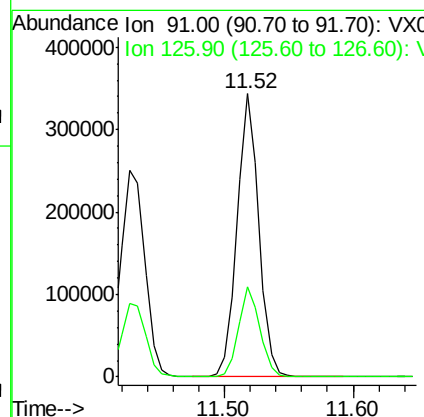
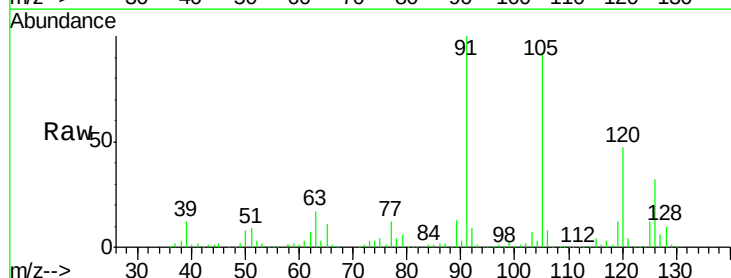
Manual Integrations
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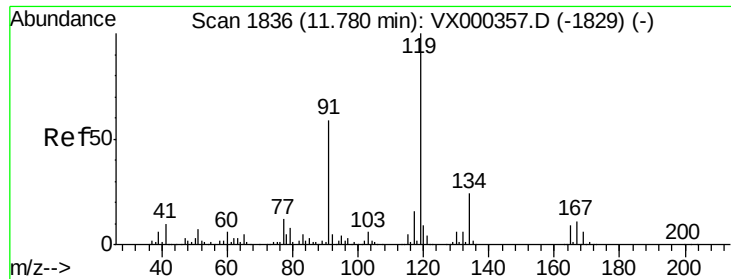
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.16 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion: 91 Resp: 405879
Ion Ratio Lower Upper
91 100
126 31.0 15.4 46.1





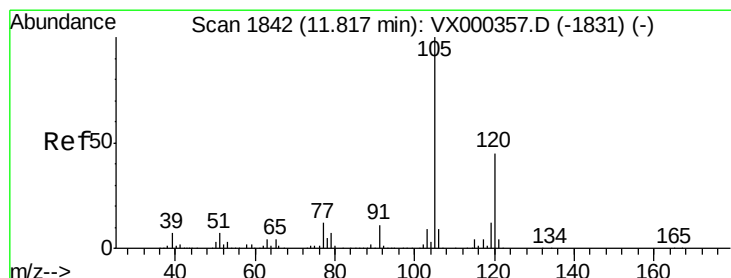
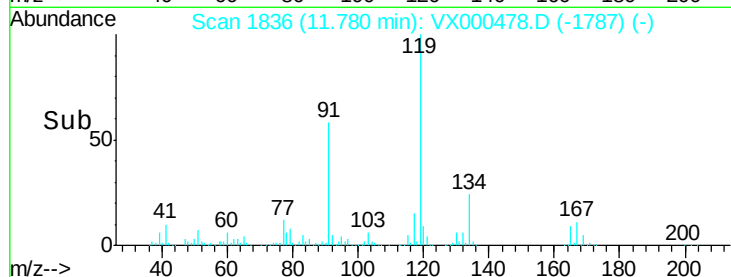
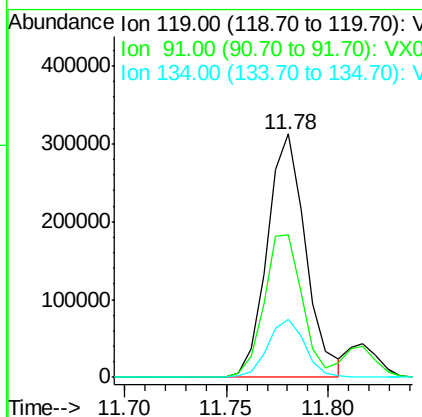
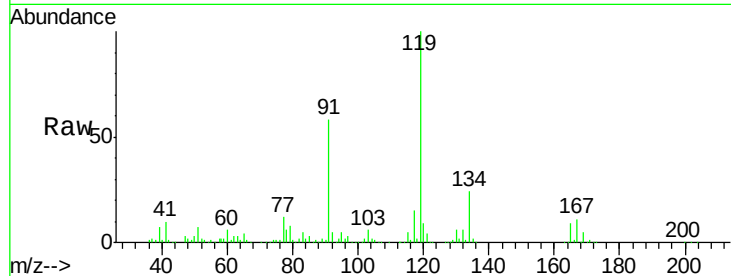
#83
 tert-Butylbenzene
 Concen: 49.27 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	28.8	86.4
134	23.0	11.4	34.1

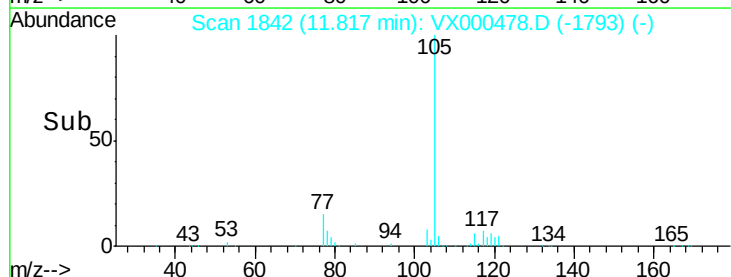
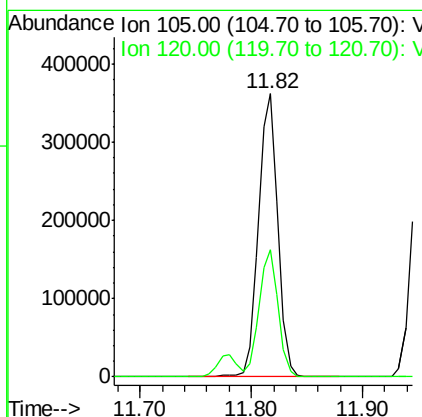
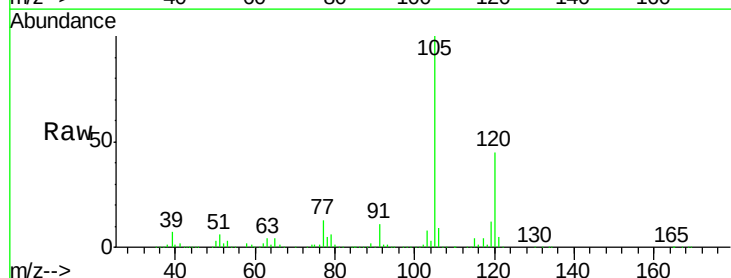
Manual Integrations
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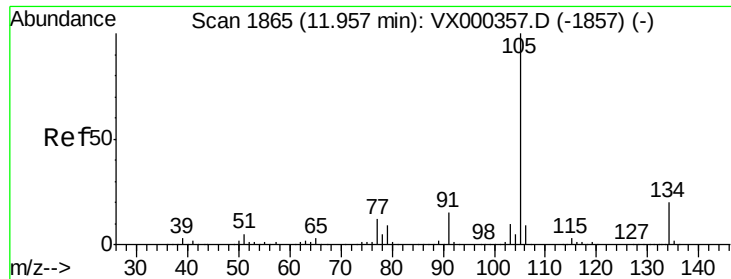
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.71 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 50.79 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 524318

Ion Ratio Lower Upper

105 100

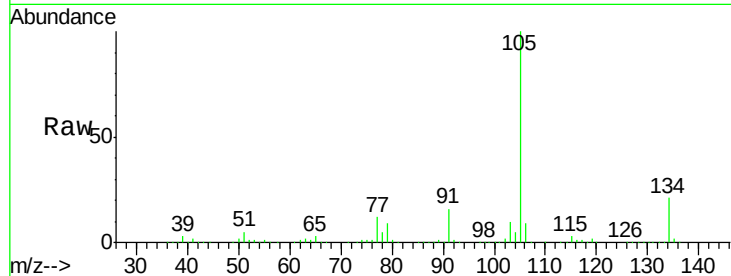
134 20.3 10.3 30.8

Manual Integrations

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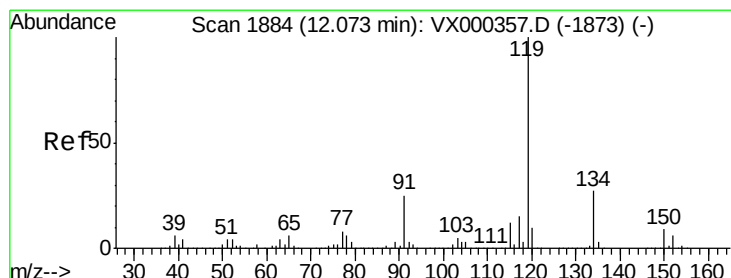
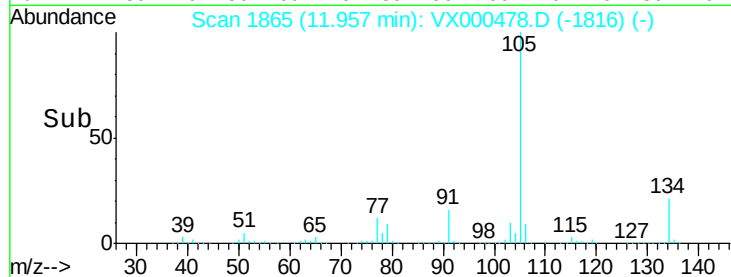
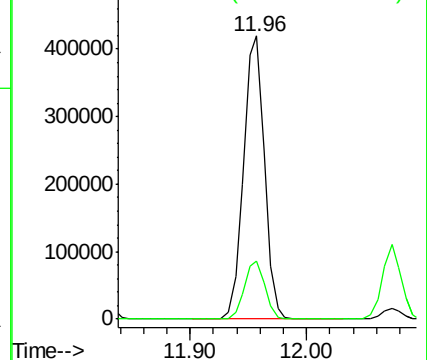
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.31 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

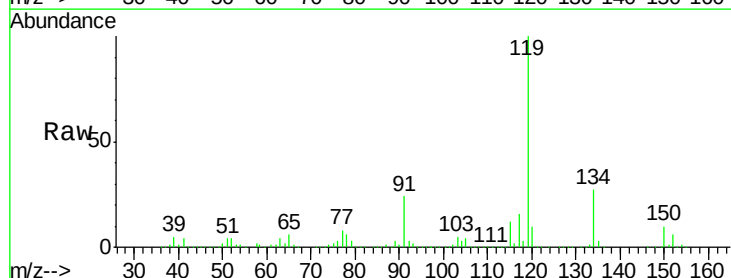
Tgt Ion:119 Resp: 479556

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.9

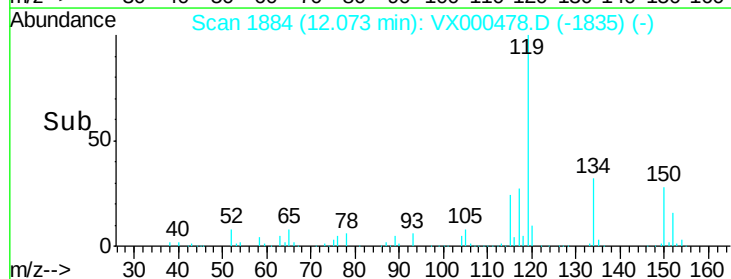
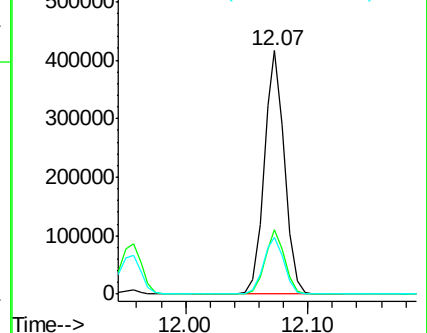
91 23.9 12.0 36.1

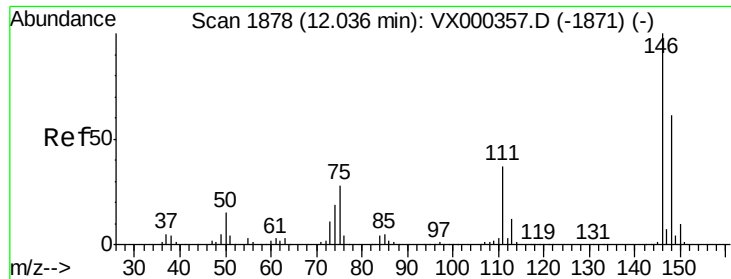


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





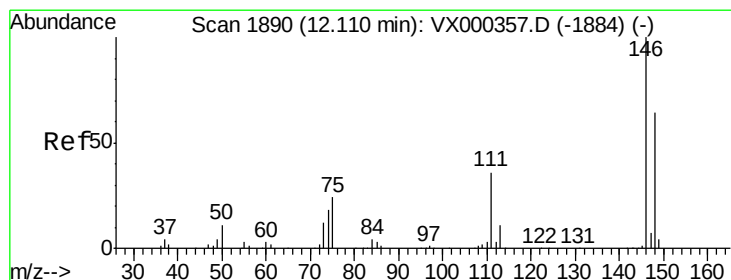
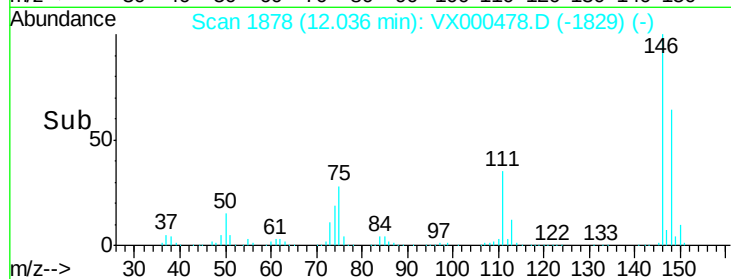
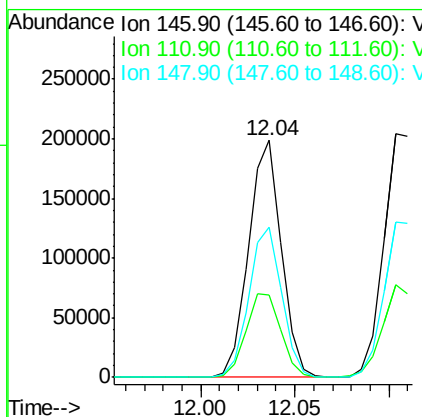
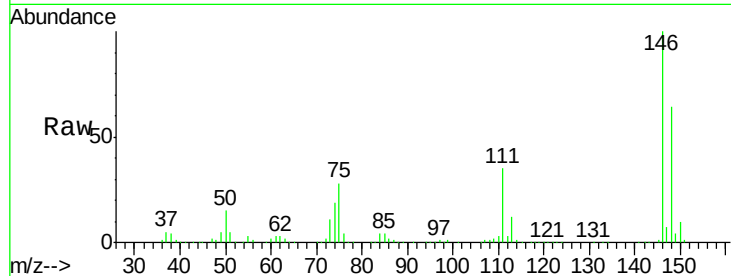
#87
 1,3-Dichlorobenzene
 Concen: 48.37 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.5	58.5
148	63.8	32.4	97.0

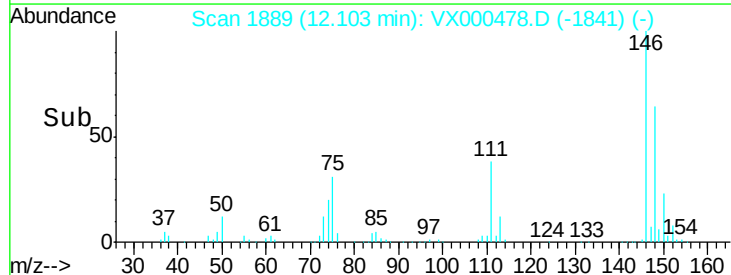
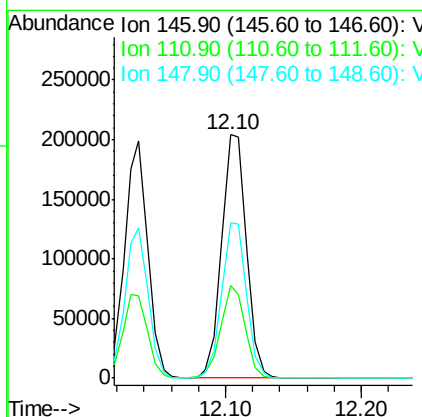
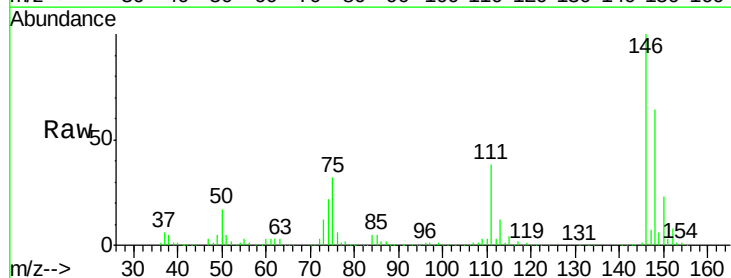
Manual Integrations
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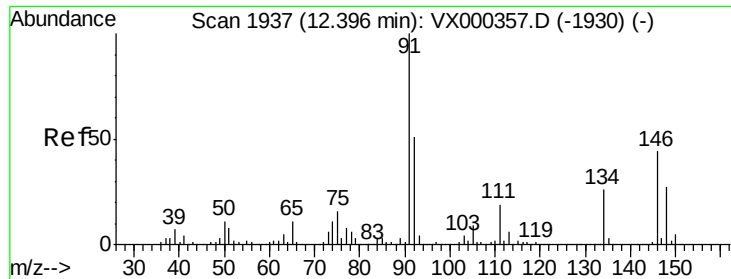
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#88
 1,4-Dichlorobenzene
 Concen: 49.58 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	63.9	31.0	93.0





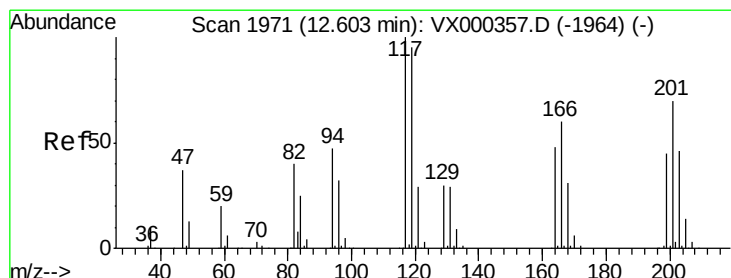
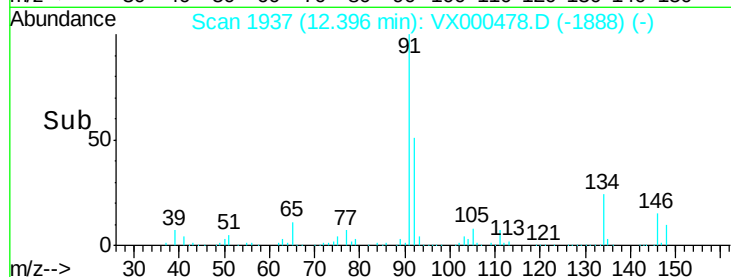
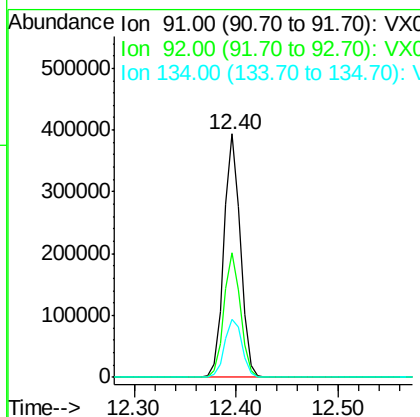
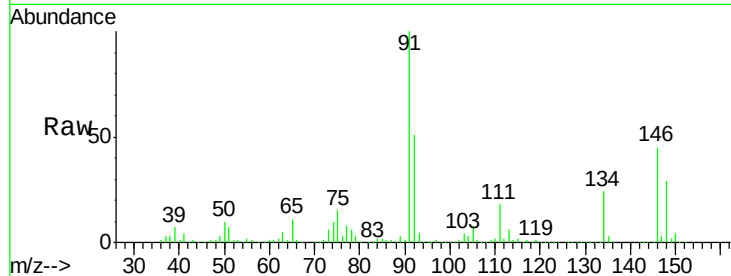
#89
n-Butylbenzene
Concen: 51.66 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.8
134	25.5	13.1	39.3

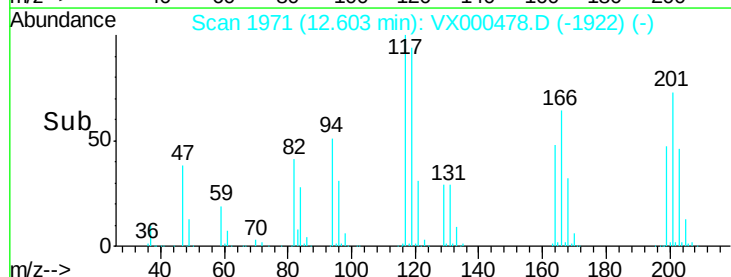
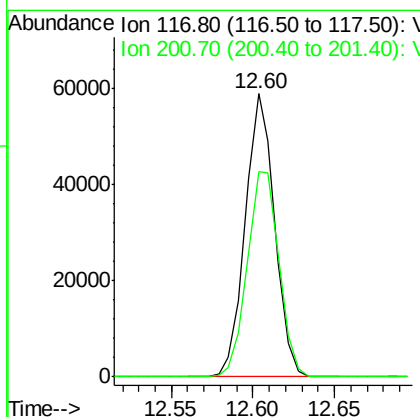
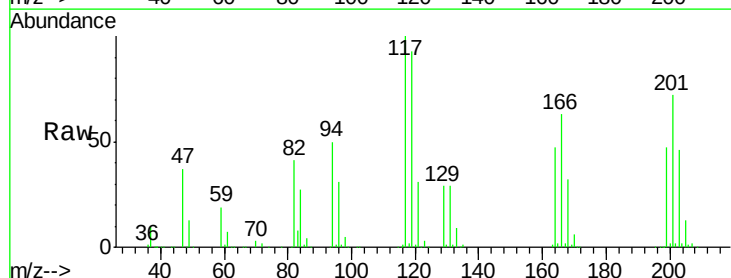
Manual Integrations
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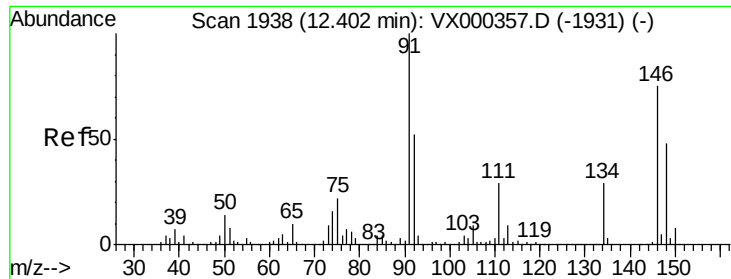
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#90
Hexachloroethane
Concen: 51.15 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000478.D
Acq: 27 Mar 2018 23:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 50.51 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

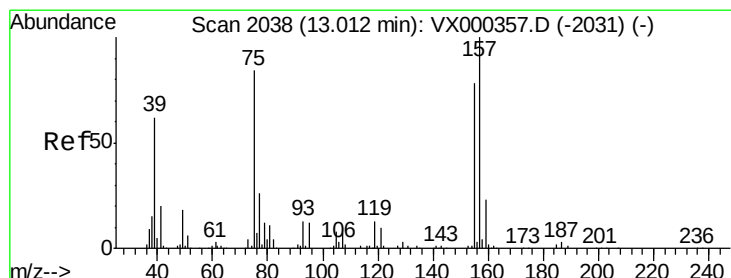
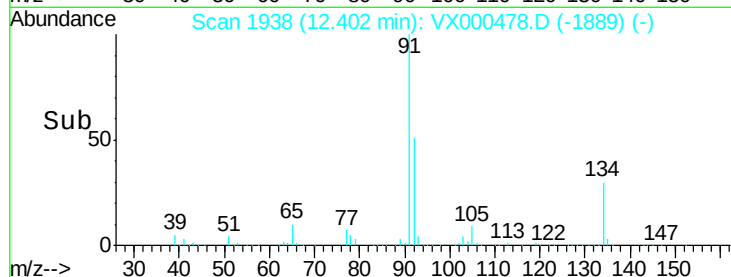
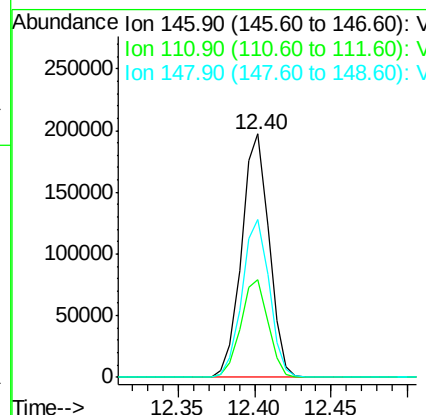
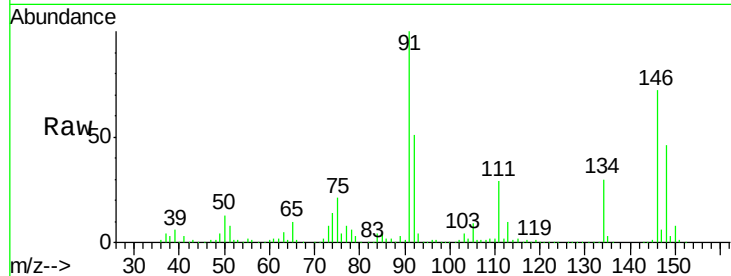
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	245390
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.1	60.2
148	64.8	31.2	93.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.28 ug/l

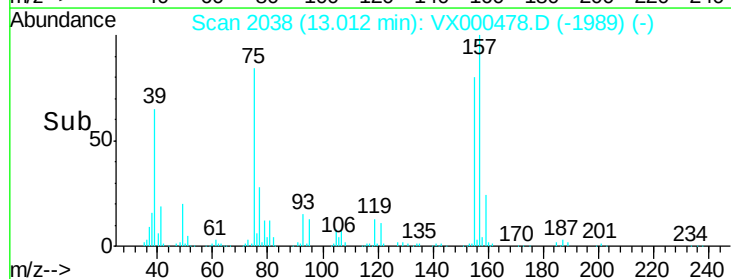
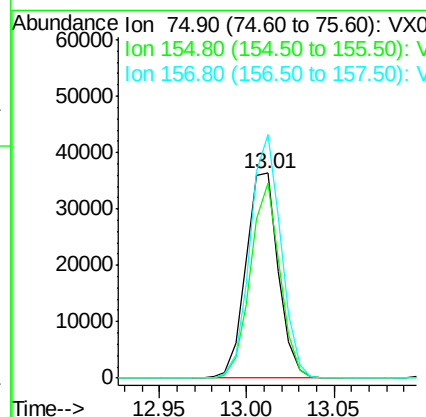
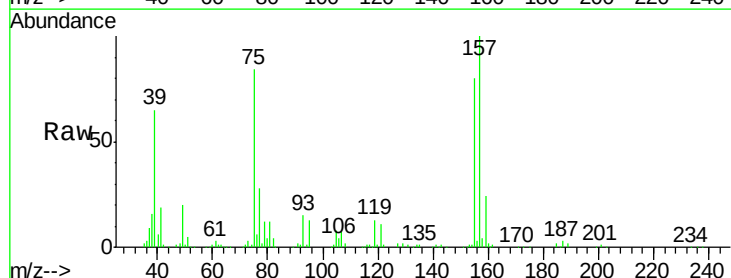
RT: 13.01 min Scan# 2038

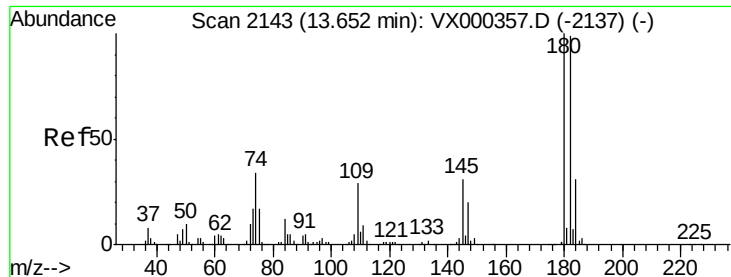
Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Tgt Ion:	75	Resp:	46857
Ion Ratio	Lower	Upper	
75	100		
155	86.6	45.0	134.8
157	112.7	58.1	174.2





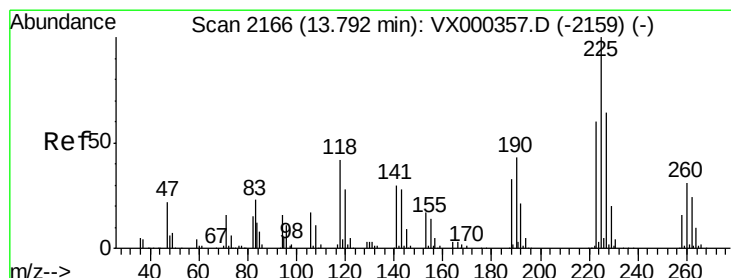
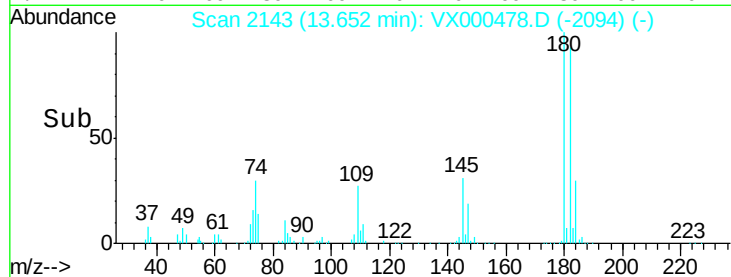
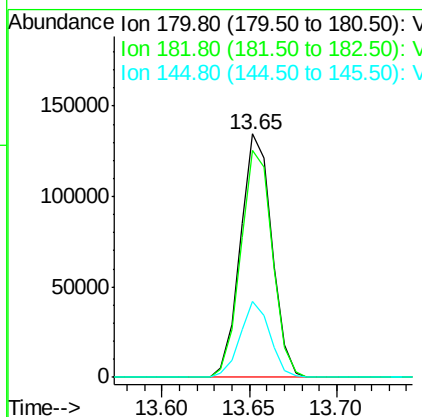
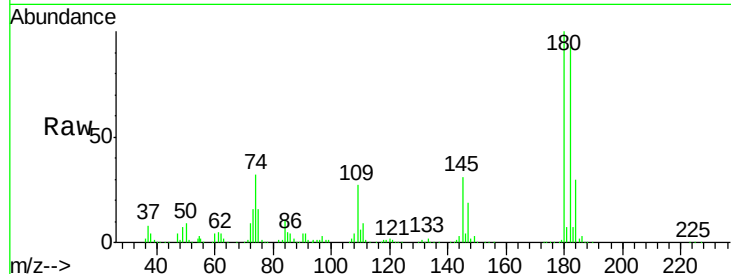
#93
 1,2,4-Trichlorobenzene
 Concen: 47.99 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	167142
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.6	142.9
145	29.7	15.1	45.3

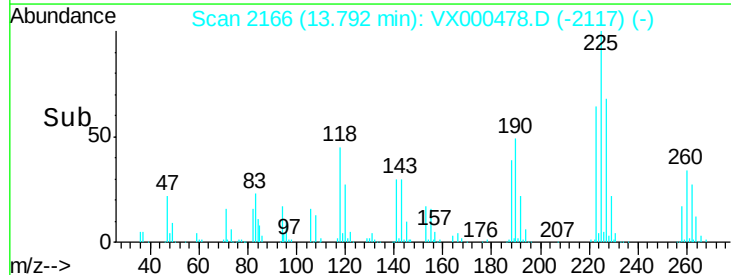
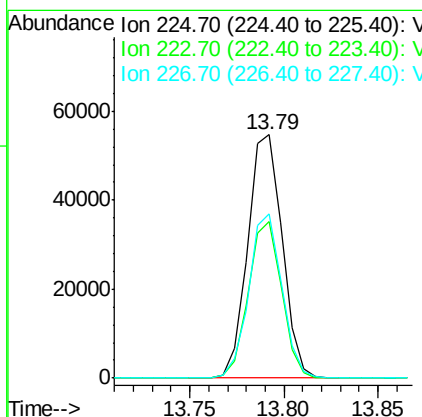
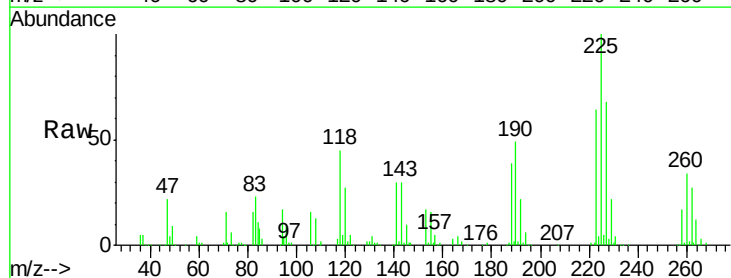
Manual Integrations
 APPROVED

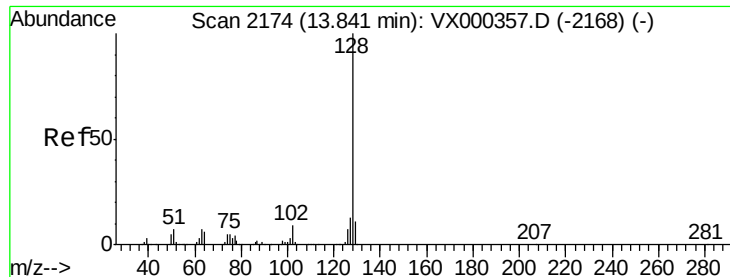
MMDadoda
 3/28/2018 11:41:56 AM



#94
 Hexachlorobutadiene
 Concen: 48.14 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000478.D
 Acq: 27 Mar 2018 23:43

Tgt Ion:	225	Resp:	69420
Ion Ratio	Lower	Upper	
225	100		
223	62.0	32.0	96.0
227	64.9	32.6	98.0





#95

Naphthalene

Concen: 50.06 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Instrument :

MSVOA_X

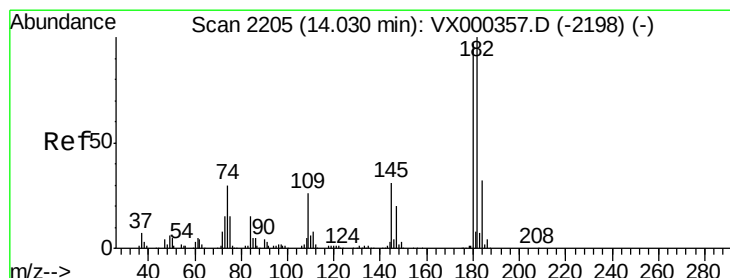
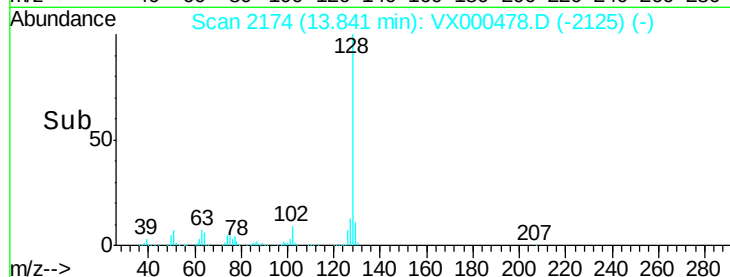
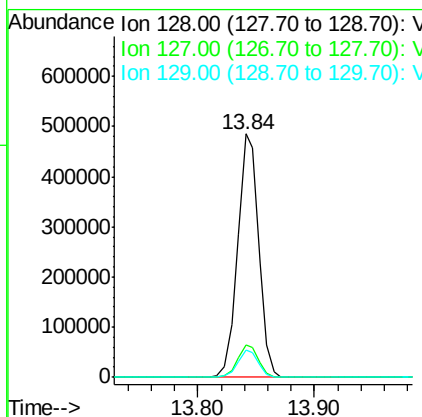
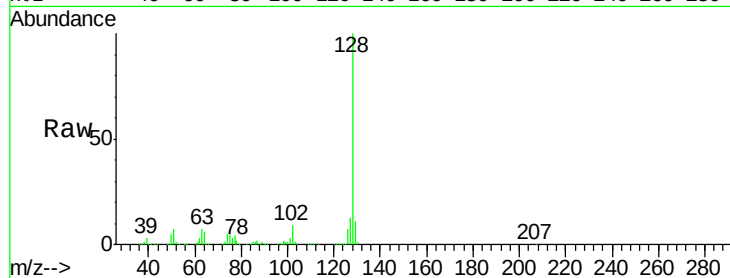
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	607378
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
3/28/2018 11:41:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.56 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000478.D

Acq: 27 Mar 2018 23:43

Tgt Ion:	180	Resp:	170557
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.4	142.3
145	30.3	15.8	47.3

