

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001737.D
 Acq On : 15 May 2018 11:34
 Operator : JC/MD
 Sample : VX0515WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:14 AM

Quant Time: May 16 04:24:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	356609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	452431	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	269504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	245459	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	5.51	113	206767	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	8.72	98	786610	57.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.04%	
62) 4-Bromofluorobenzene	11.14	95	268950	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	80657	22.54	ug/l	97
3) Chloromethane	1.32	50	81204	21.01	ug/l	100
4) Vinyl Chloride	1.40	62	92036	22.02	ug/l	98
5) Bromomethane	1.64	94	45558	24.27	ug/l	99
6) Chloroethane	1.72	64	59113	22.46	ug/l	98
7) Trichlorofluoromethane	1.93	101	136790	22.52	ug/l	99
8) Diethyl Ether	2.19	74	54832	21.93	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	82806	22.65	ug/l	100
10) Methyl Iodide	2.51	142	46413	13.80	ug/l	98
11) Tert butyl alcohol	3.07	59	95490	112.52	ug/l	99
12) 1,1-Dichloroethene	2.37	96	76254	21.63	ug/l	98
13) Acrolein	2.29	56	63512	105.52	ug/l	99
14) Allyl chloride	2.73	41	144370	22.16	ug/l	99
15) Acrylonitrile	3.15	53	230150	107.98	ug/l	99
16) Acetone	2.45	43	216650	115.40	ug/l	98
17) Carbon Disulfide	2.57	76	194523	21.16	ug/l	98
18) Methyl Acetate	2.78	43	123763	22.55	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	261836	22.04	ug/l	99
20) Methylene Chloride	2.86	84	87265	21.72	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	83492	21.50	ug/l	99
22) Diisopropyl ether	3.88	45	265566	21.25	ug/l	98
23) Vinyl Acetate	3.83	43	916719	101.80	ug/l	100
24) 1,1-Dichloroethane	3.70	63	150401	21.94	ug/l	100
25) 2-Butanone	4.71	43	322200	112.10	ug/l	99
26) 2,2-Dichloropropane	4.59	77	123595	22.40	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	95613	21.64	ug/l	98
28) Bromochloromethane	5.02	49	69243	22.74	ug/l	99
29) Tetrahydrofuran	5.17	42	202254	107.95	ug/l	100
30) Chloroform	5.22	83	158304	21.99	ug/l	99
31) Cyclohexane	5.58	56	137762	22.93	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	139595	22.44	ug/l	99
36) 1,1-Dichloropropene	5.81	75	119530	22.95	ug/l	99
37) Ethyl Acetate	4.87	43	120320	22.17	ug/l	100
38) Carbon Tetrachloride	5.79	117	127299	23.33	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	148391	24.39	ug/l	99
40) Benzene	6.15	78	352725	22.99	ug/l	99
41) Methacrylonitrile	5.06	41	69682	22.20	ug/l	99
42) 1,2-Dichloroethane	6.20	62	126289	22.76	ug/l	100
43) Isopropyl Acetate	6.47	43	190949	22.48	ug/l	99
44) Trichloroethene	7.21	130	110229	23.14	ug/l	99
45) 1,2-Dichloropropane	7.52	63	87923	23.35	ug/l	99
46) Dibromomethane	7.67	93	59439	22.48	ug/l	99
47) Bromodichloromethane	7.90	83	114763	23.39	ug/l	99
48) Methyl methacrylate	7.78	41	100680	22.52	ug/l	99
49) 1,4-Dioxane	7.76	88	42512	493.78	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	634178	117.80	ug/l	99
52) Toluene	8.79	92	236928	24.03	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	135755	23.52	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	119034	23.39	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	86404	22.92	ug/l	99
56) Ethyl methacrylate	9.19	69	121385	22.71	ug/l	99
57) 1,3-Dichloropropane	9.38	76	143371	22.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	333950	121.46	ug/l	99
59) 2-Hexanone	9.50	43	454529	117.94	ug/l	100
60) Dibromochloromethane	9.59	129	89658	23.23	ug/l	99
61) 1,2-Dibromoethane	9.68	107	91893	23.29	ug/l	99
64) Tetrachloroethene	9.34	164	120536	22.96	ug/l	98
65) Chlorobenzene	10.15	112	250670	22.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	90413	23.08	ug/l	98
67) Ethyl Benzene	10.26	91	411131	23.20	ug/l	100
68) m/p-Xylenes	10.37	106	332037	47.48	ug/l	99
69) o-Xylene	10.71	106	157751	23.55	ug/l	100
70) Styrene	10.72	104	262193	23.74	ug/l	100
71) Bromoform	10.86	173	72570	21.67	ug/l #	99
73) Isopropylbenzene	11.02	105	428777	24.16	ug/l	99
74) N-amyl acetate	6.47	43	190949	22.44	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	118393	22.24	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	118585m	23.14	ug/l	
77) Bromobenzene	11.26	156	121311	23.26	ug/l	100
78) n-propylbenzene	11.37	91	487942	24.40	ug/l	99
79) 2-Chlorotoluene	11.43	91	283445	23.70	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	358825	24.64	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	31921	20.64	ug/l	94
82) 4-Chlorotoluene	11.52	91	334154	23.72	ug/l	99
83) tert-Butylbenzene	11.77	119	348619	24.06	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	369465	24.50	ug/l	100
85) sec-Butylbenzene	11.95	105	438126	24.49	ug/l	99
86) p-Isopropyltoluene	12.07	119	407158	24.60	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	221631	22.98	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	225323	22.59	ug/l	99
89) n-Butylbenzene	12.40	91	343568	24.00	ug/l	100
90) Hexachloroethane	12.60	117	60123	23.39	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	220972	22.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	25943	22.83	ug/l	98

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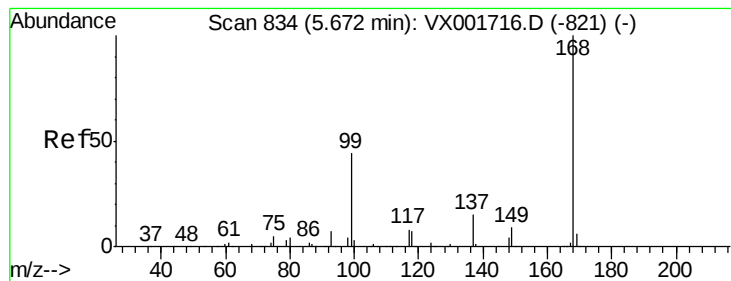
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	177428	23.16	ug/l	99
94) Hexachlorobutadiene	13.79	225	94672	23.02	ug/l	100
95) Naphthalene	13.84	128	461942	23.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	176904	22.93	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion:168 Resp: 356609

Ion Ratio Lower Upper

168 100

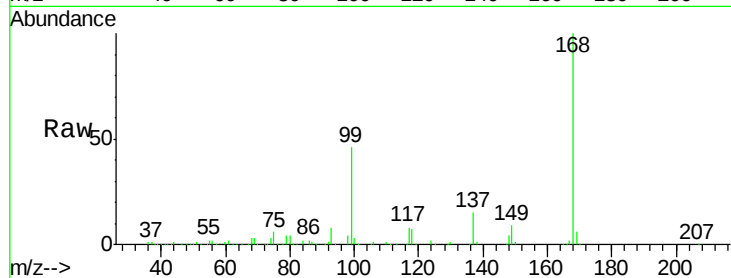
99 46.3 35.0 52.4

Manual Integrations

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5/16/2018 11:54:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

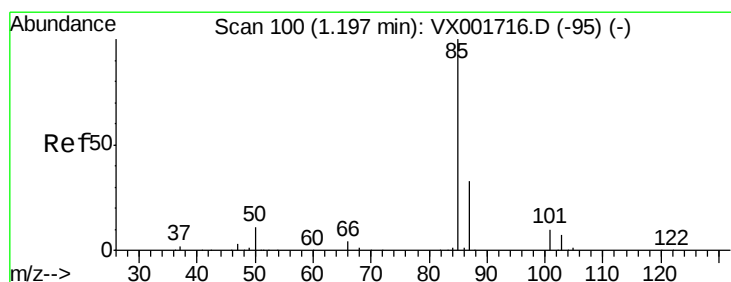
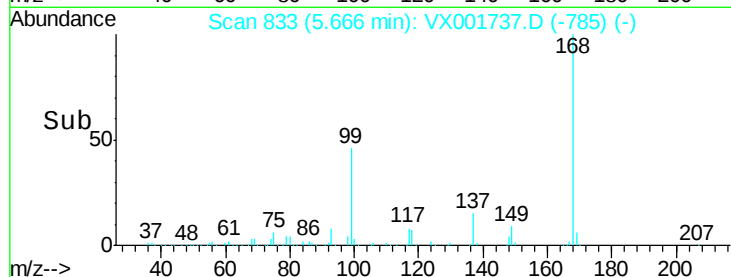
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.54 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001737.D

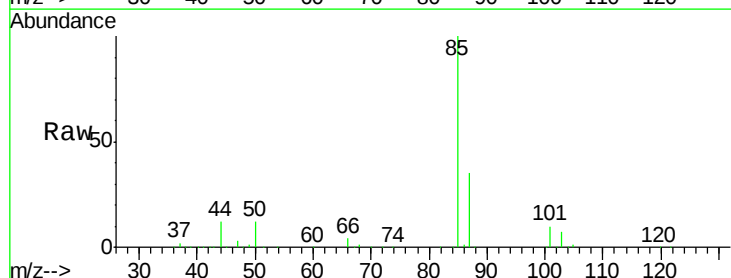
Acq: 15 May 2018 11:34

Tgt Ion: 85 Resp: 80657

Ion Ratio Lower Upper

85 100

87 34.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

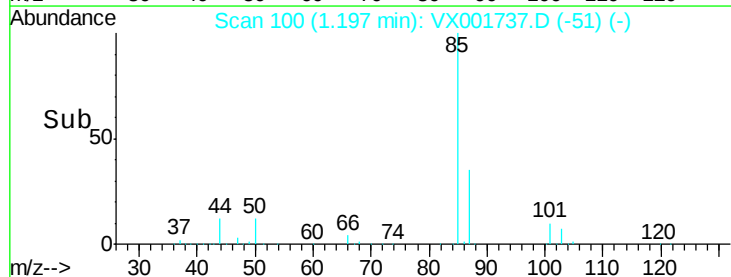
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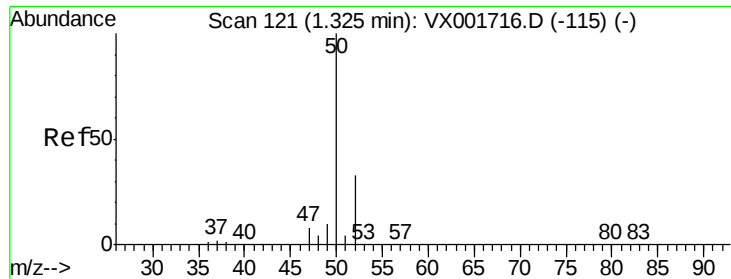
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20000

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Time-->





#3

Chloromethane

Concen: 21.01 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 50 Resp: 81204

Ion Ratio Lower Upper

50 100

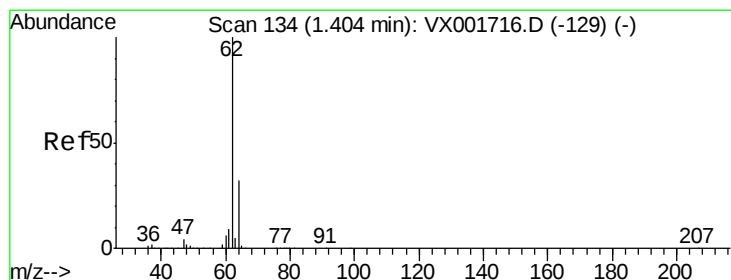
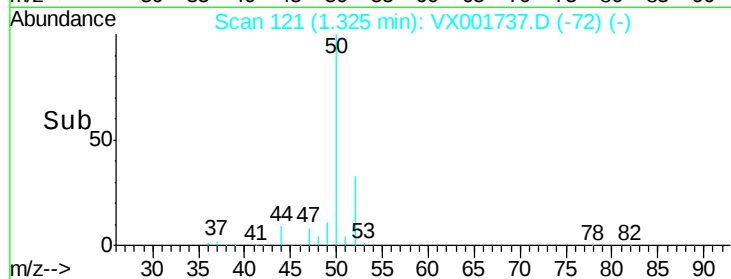
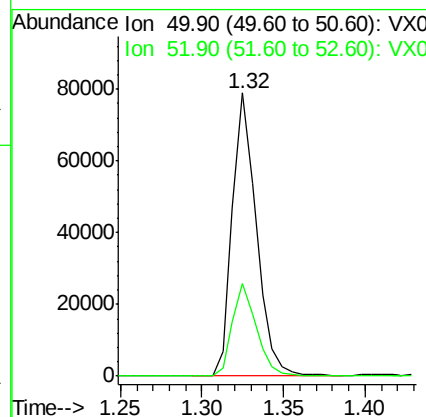
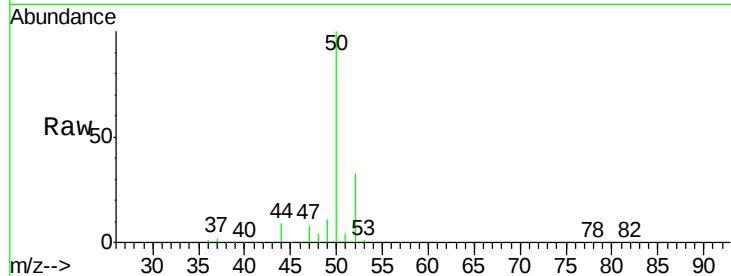
52 32.8 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.02 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001737.D

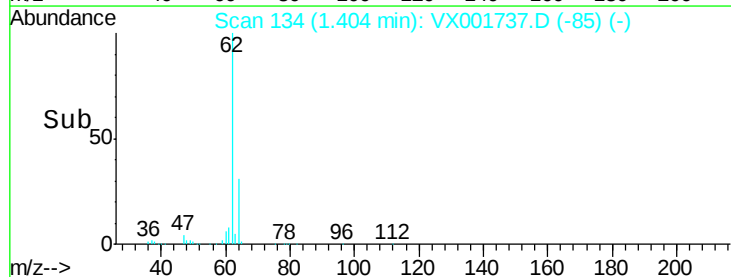
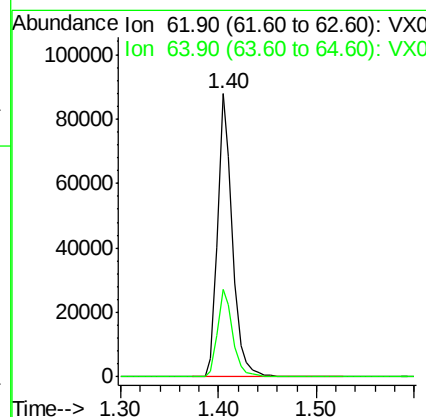
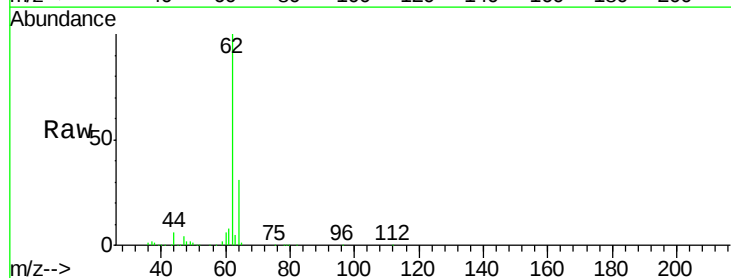
Acq: 15 May 2018 11:34

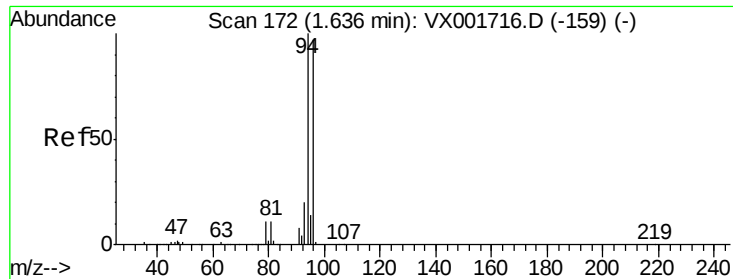
Tgt Ion: 62 Resp: 92036

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4





#5

Bromomethane

Concen: 24.27 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 94 Resp: 45558

Ion Ratio Lower Upper

94 100

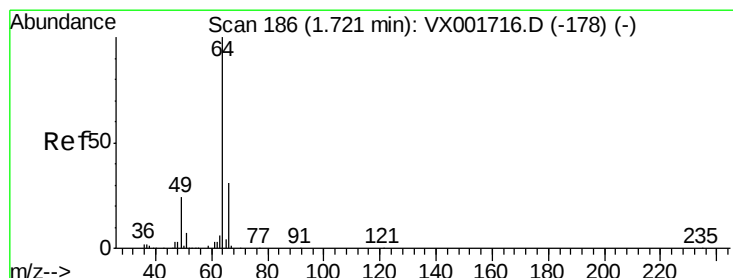
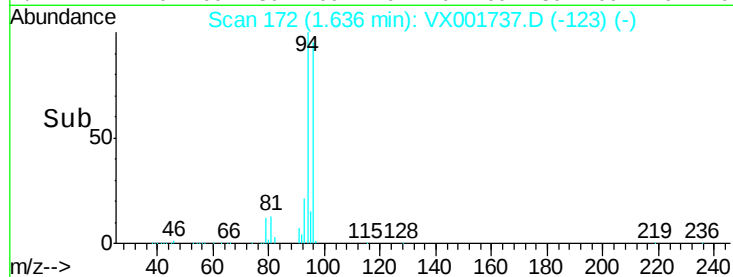
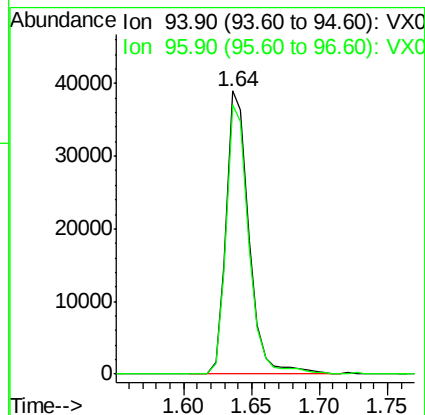
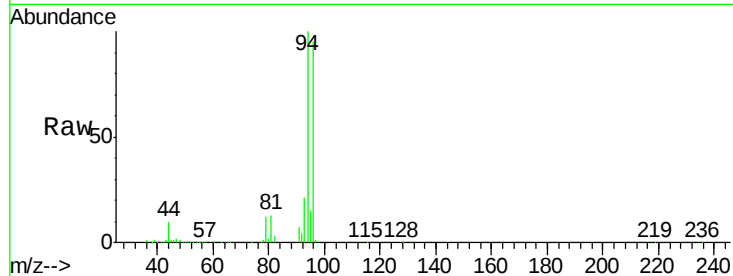
96 95.3 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 22.46 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001737.D

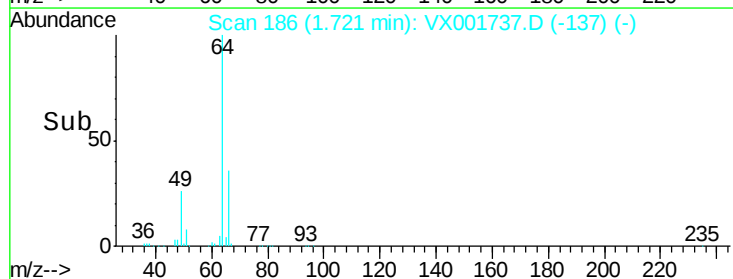
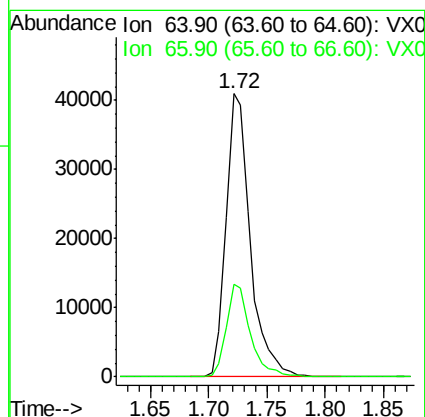
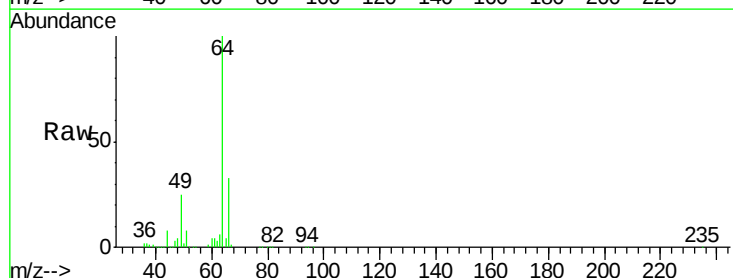
Acq: 15 May 2018 11:34

Tgt Ion: 64 Resp: 59113

Ion Ratio Lower Upper

64 100

66 32.6 25.2 37.8





#7

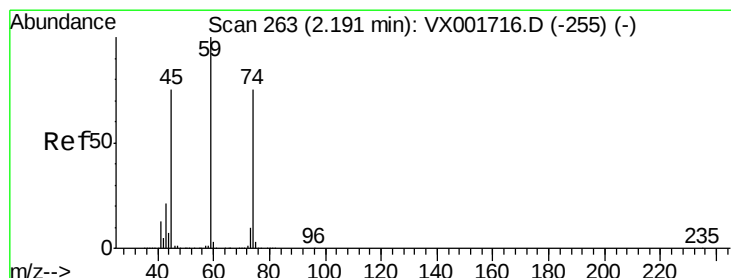
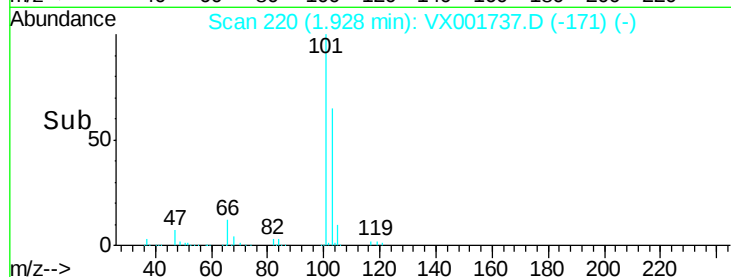
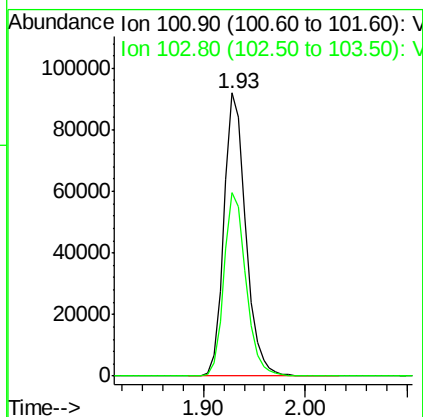
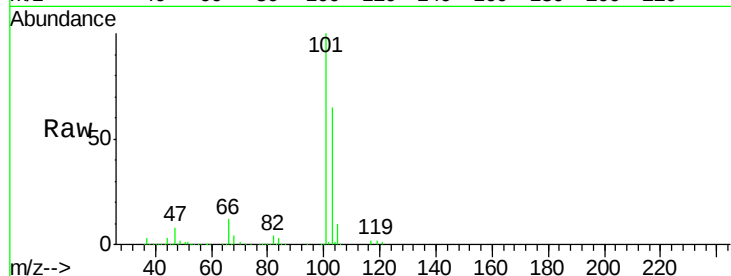
Trichlorofluoromethane
Concen: 22.52 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

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VX0515WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	136790		
103	64.7	52.6	78.8	

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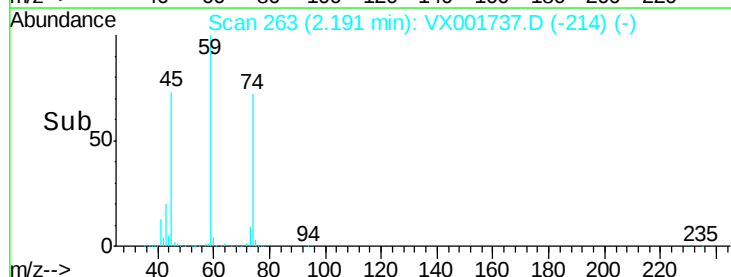
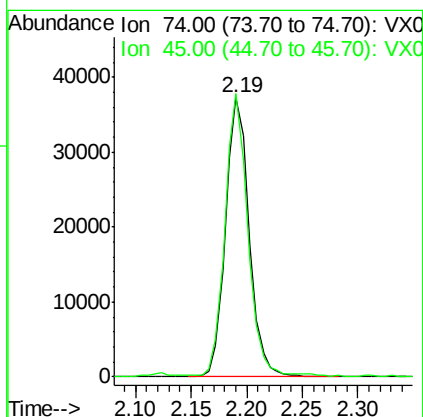
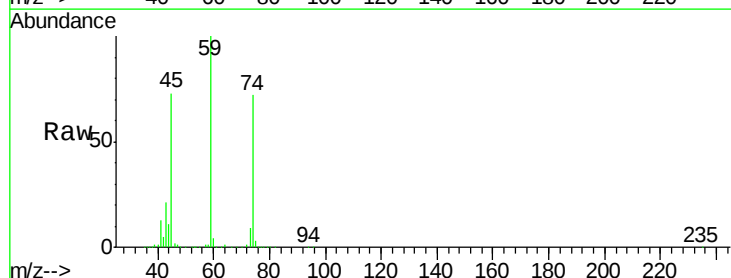
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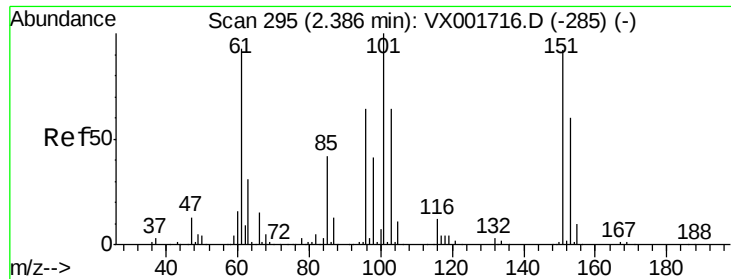


#8

Diethyl Ether
Concen: 21.93 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	54832		
45	98.1	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.65 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

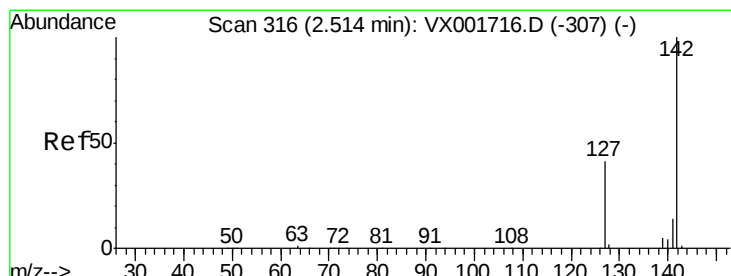
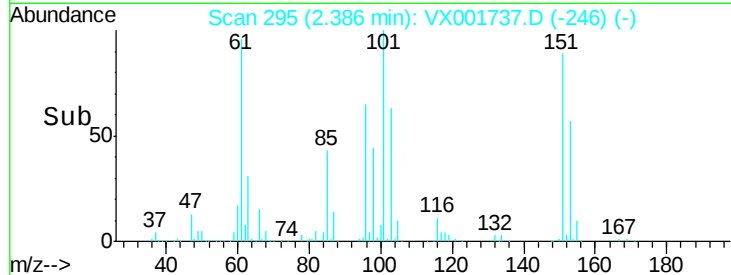
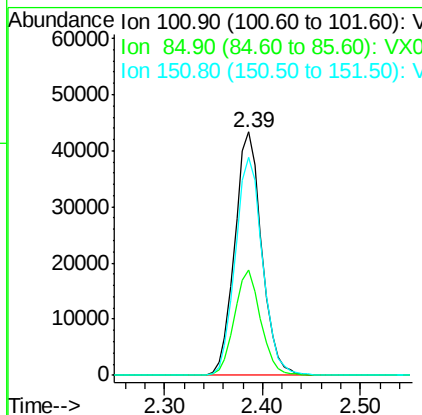
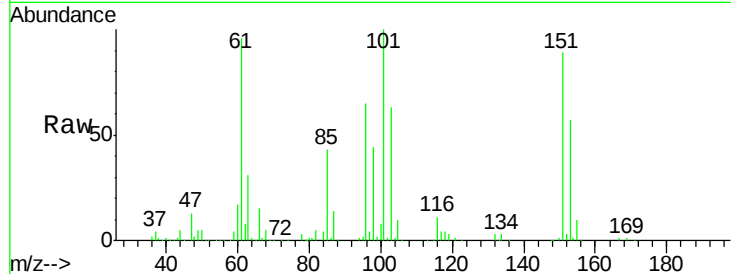
ClientSampleId :

VX0515WBS02

Tot Ion:	101	Resp:	82806
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.7	50.5
151	90.7	73.0	109.6

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#10

Methyl Iodide

Concen: 13.80 ug/l

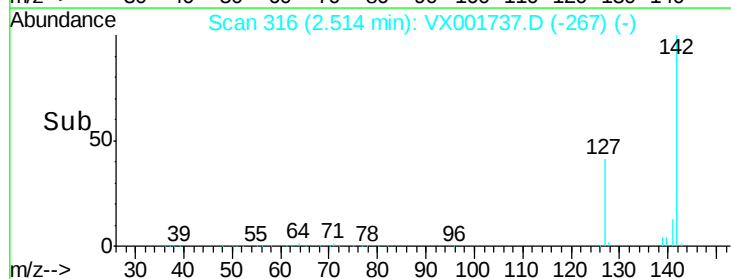
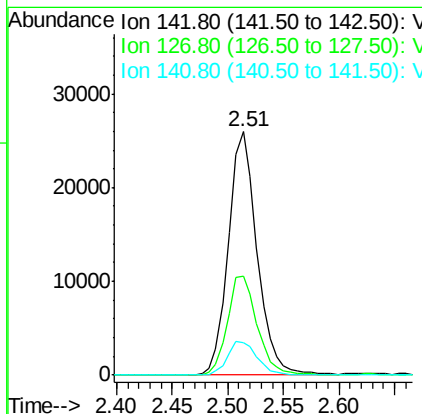
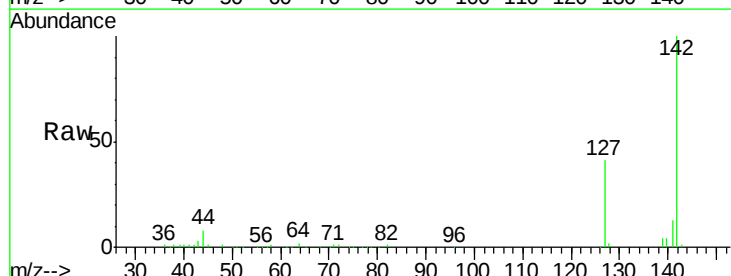
RT: 2.51 min Scan# 316

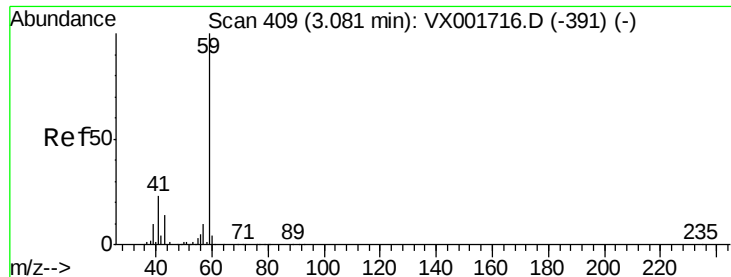
Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion:	142	Resp:	46413
Ion Ratio	Lower	Upper	
142	100		
127	42.4	32.5	48.7
141	14.3	11.4	17.0





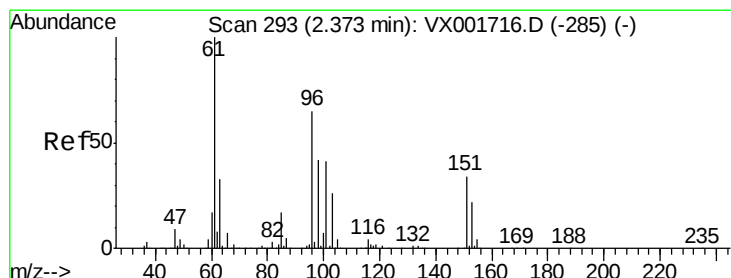
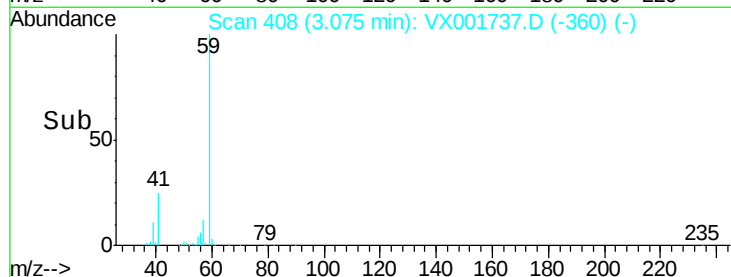
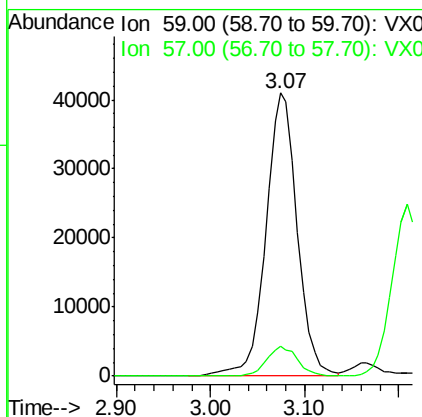
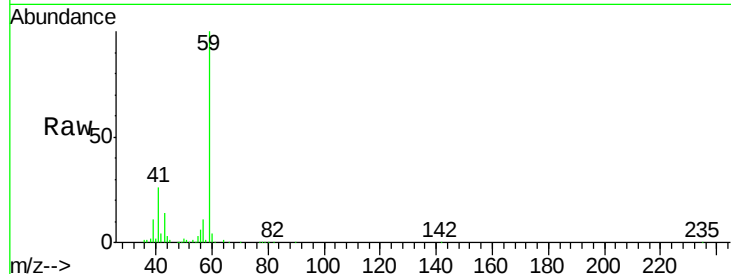
#11
Tert butyl alcohol
Concen: 112.52 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion: 59 Resp: 95490
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

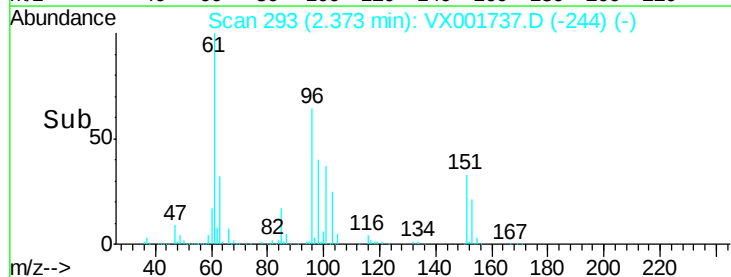
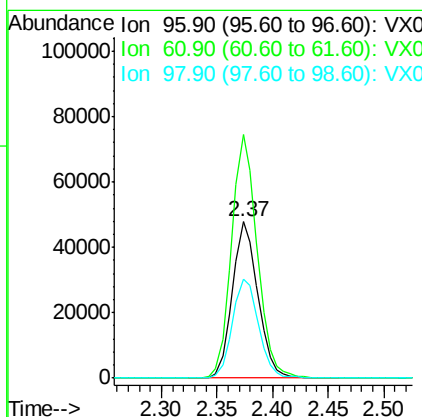
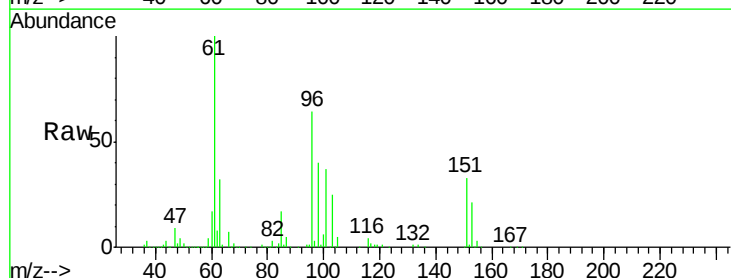
Manual Integrations
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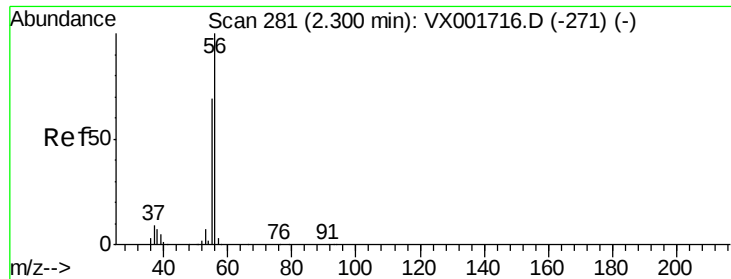
MMDadoda
5/16/2018 11:54:14 AM



#12
1,1-Dichloroethene
Concen: 21.63 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion: 96 Resp: 76254
Ion Ratio Lower Upper
96 100
61 155.8 122.2 183.2
98 63.0 51.4 77.0





#13

Acrolein

Concen: 105.52 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 56 Resp: 63512

Ion Ratio Lower Upper

56 100

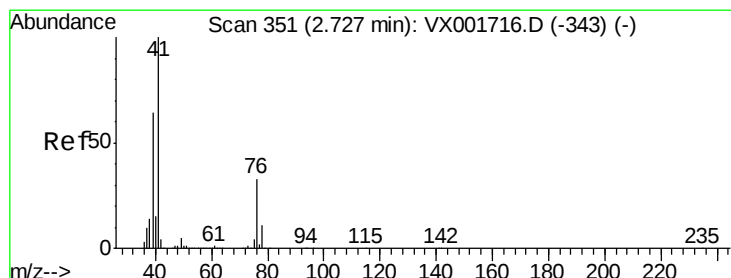
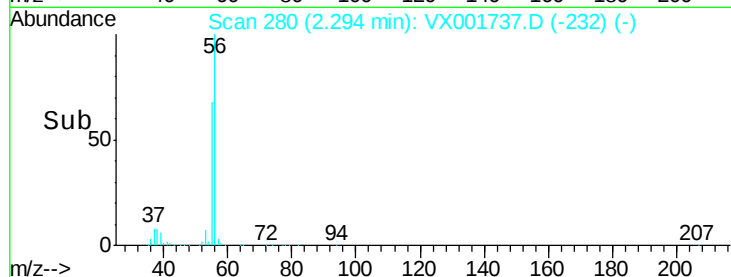
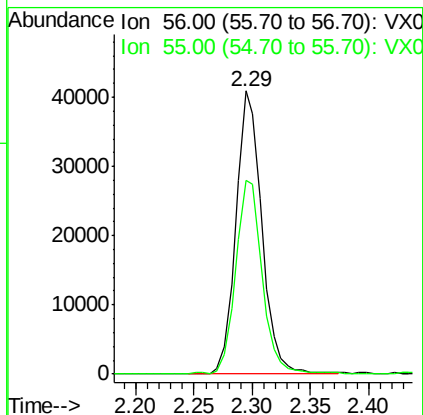
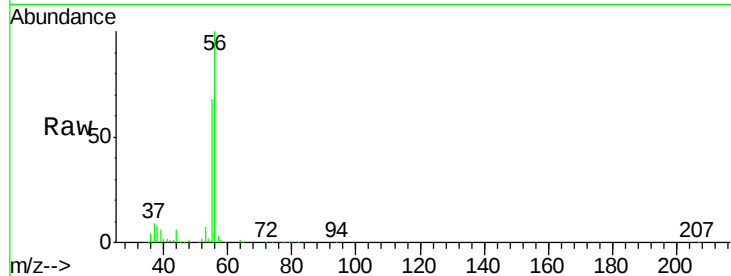
55 69.3 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 22.16 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

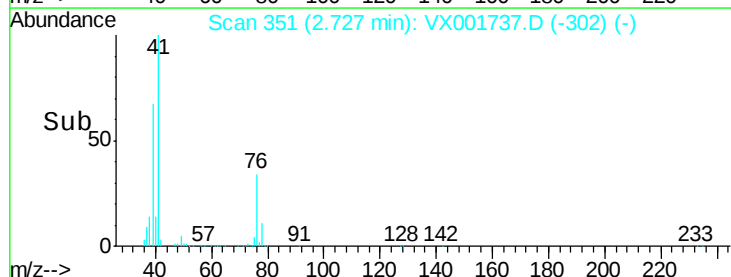
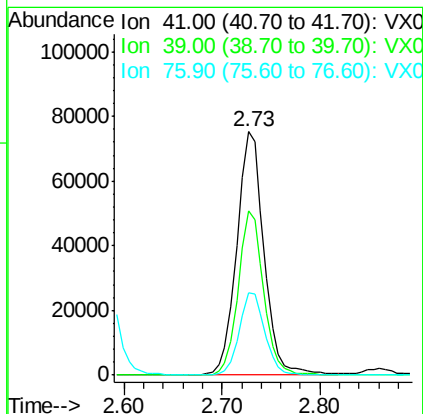
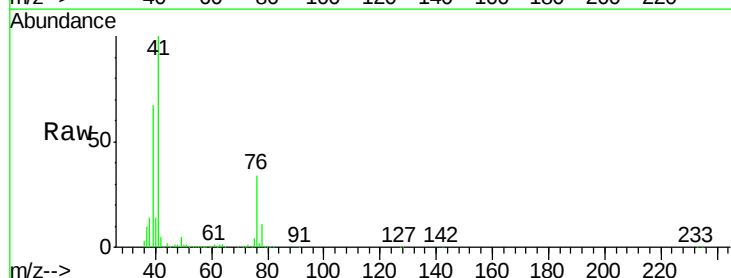
Tgt Ion: 41 Resp: 144370

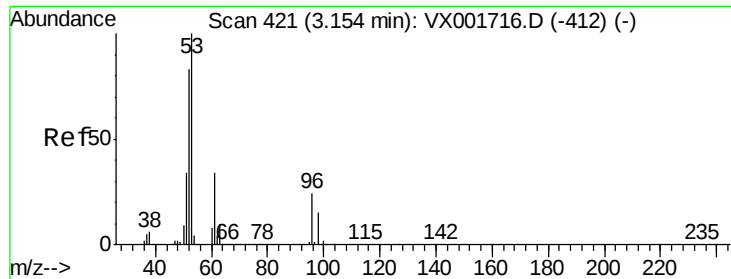
Ion Ratio Lower Upper

41 100

39 62.6 49.8 74.6

76 31.8 25.8 38.8





#15

Acrylonitrile

Concen: 107.98 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

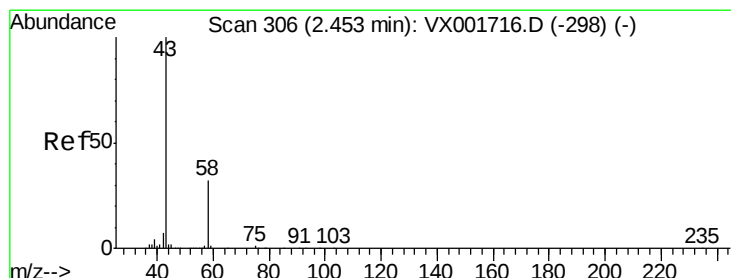
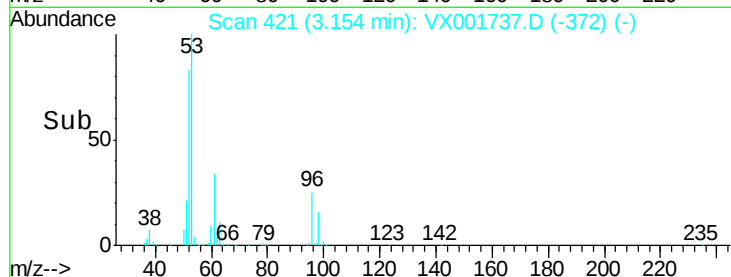
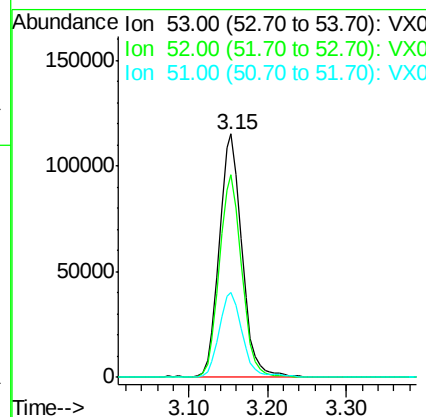
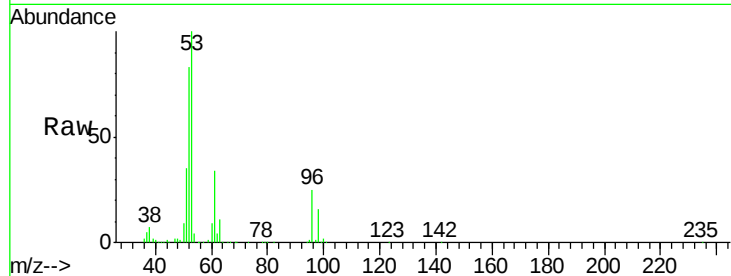
ClientSampleId :

VX0515WBS02

Tot Ion:	53	Resp:	230150
Ion Ratio		Lower	Upper
53	100		
52	82.6	65.6	98.4
51	35.6	28.1	42.1

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#16

Acetone

Concen: 115.40 ug/l

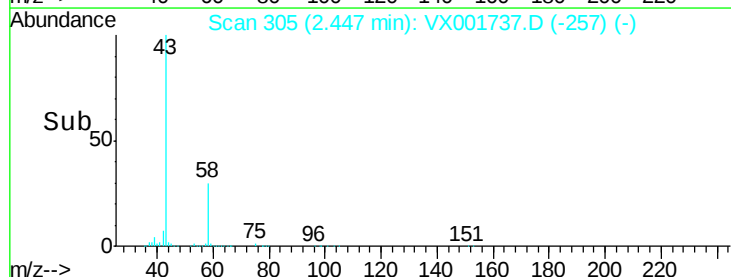
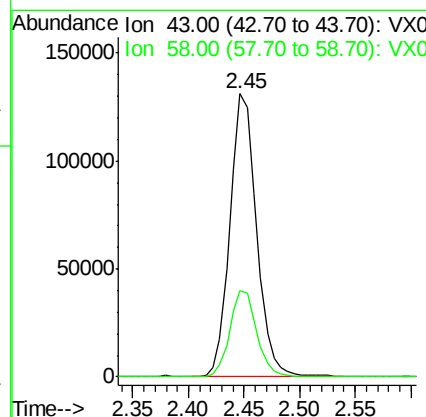
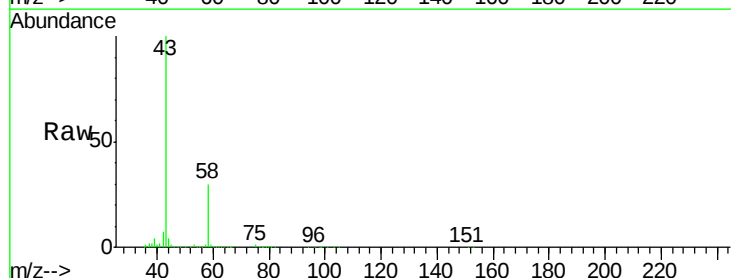
RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion:	43	Resp:	216650
Ion Ratio		Lower	Upper
43	100		
58	30.5	25.3	37.9





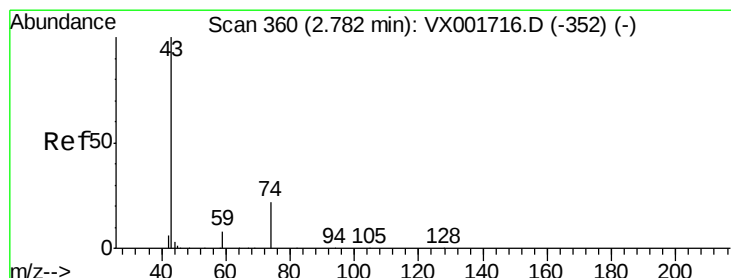
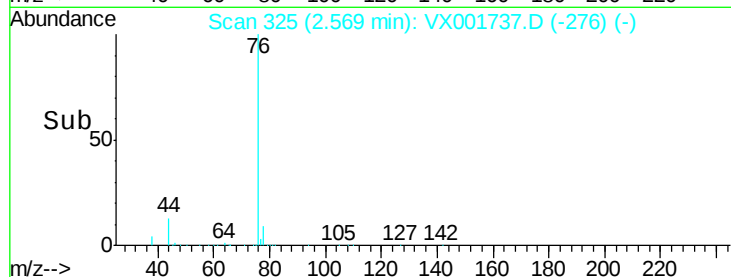
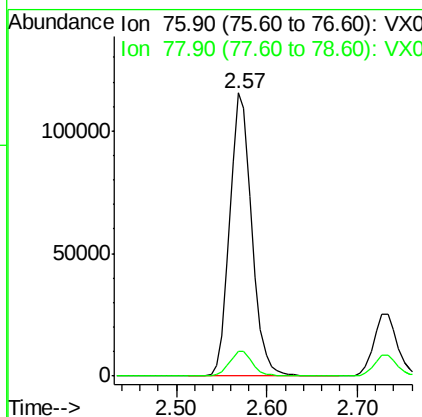
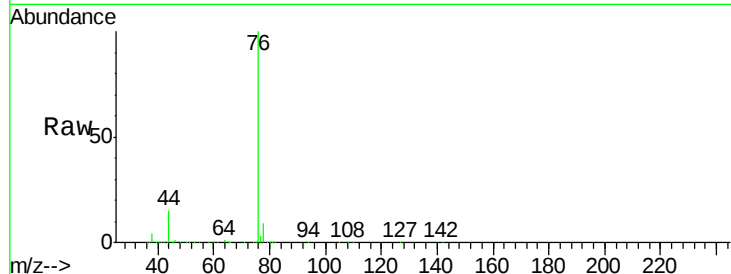
#17
Carbon Disulfide
Concen: 21.16 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

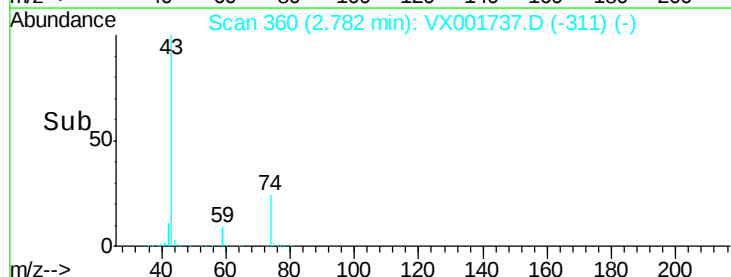
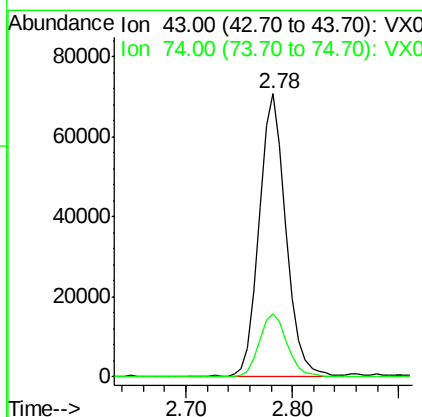
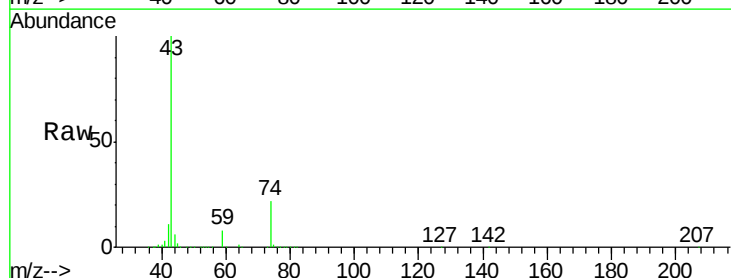
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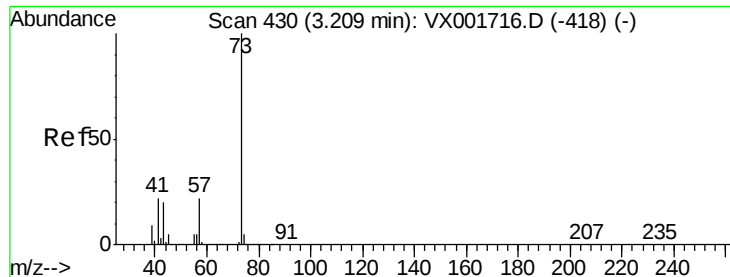
MMDadoda
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#18
Methyl Acetate
Concen: 22.55 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	18.2	27.2





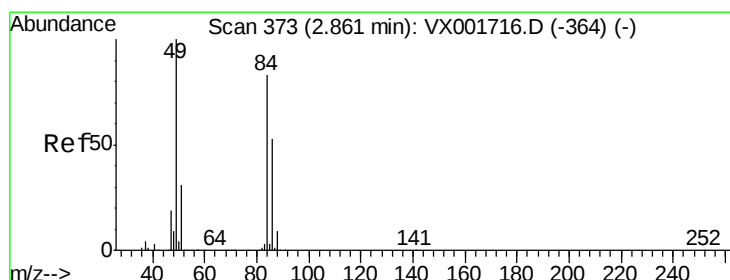
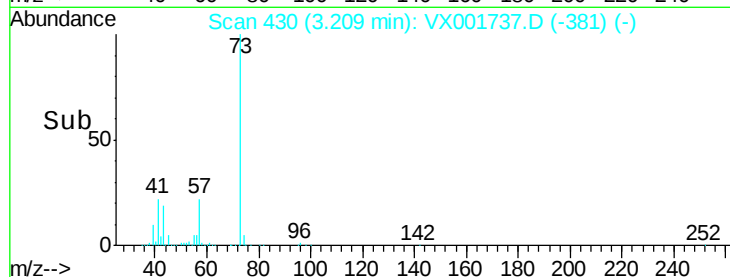
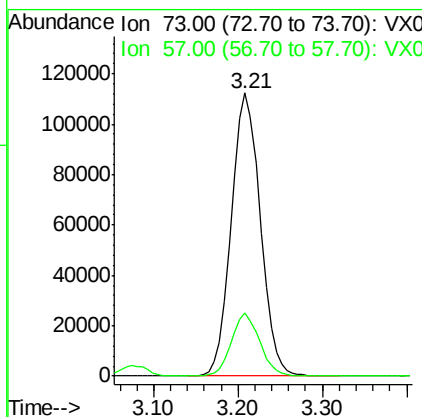
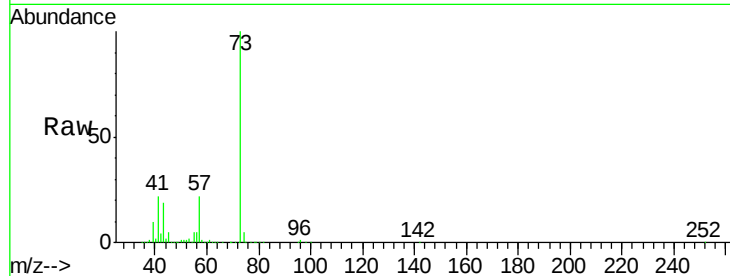
#19
Methvl tert-butvl Ether
Concen: 22.04 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.5	26.3

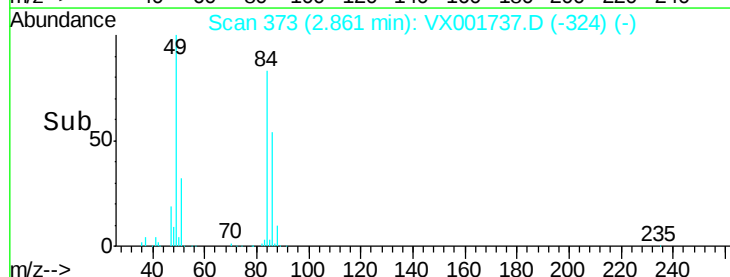
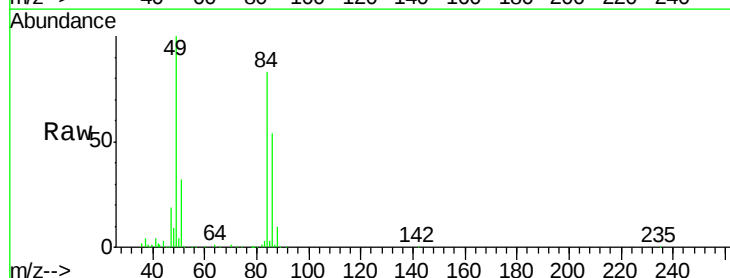
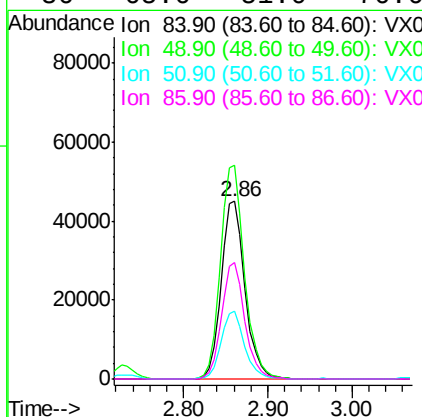
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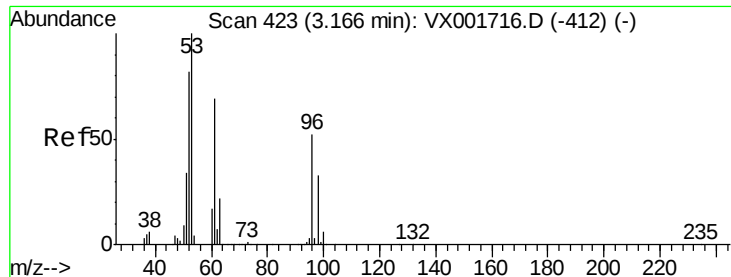
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#20
Methylene Chloride
Concen: 21.72 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	96.3	144.5
51	38.3	29.8	44.6
86	65.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 21.50 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

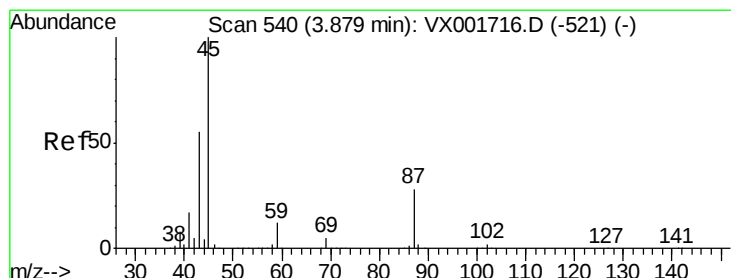
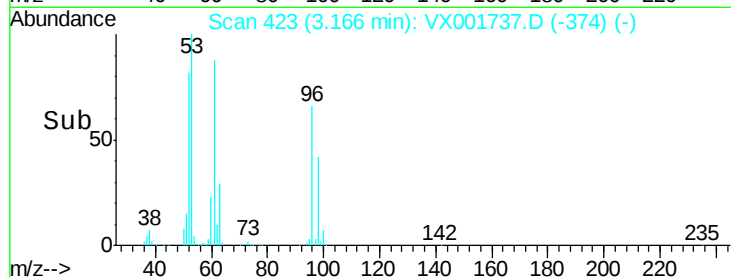
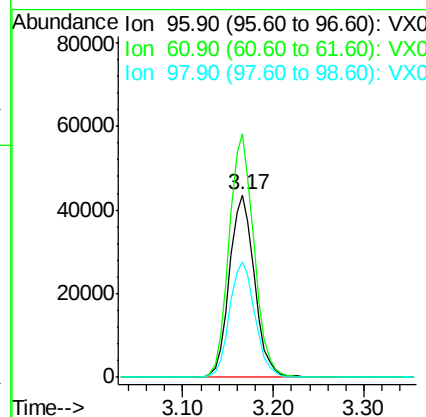
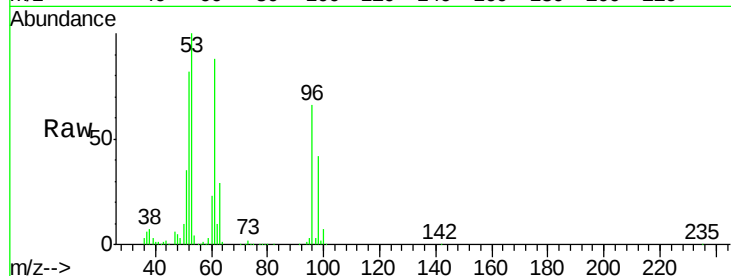
ClientSampleId :

VX0515WBS02

Tot Ion:	96	Resp:	83492
Ion	Ratio	Lower	Upper
96	100		
61	133.3	105.8	158.8
98	63.1	50.2	75.4

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#22

Diisopropyl ether

Concen: 21.25 ug/l

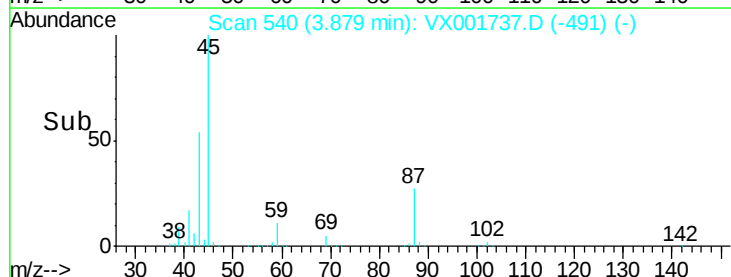
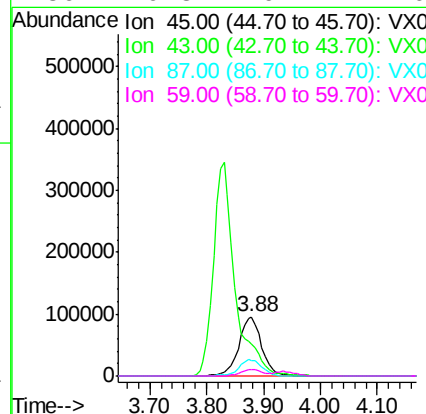
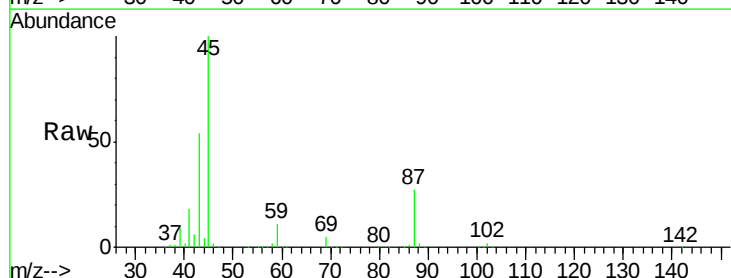
RT: 3.88 min Scan# 540

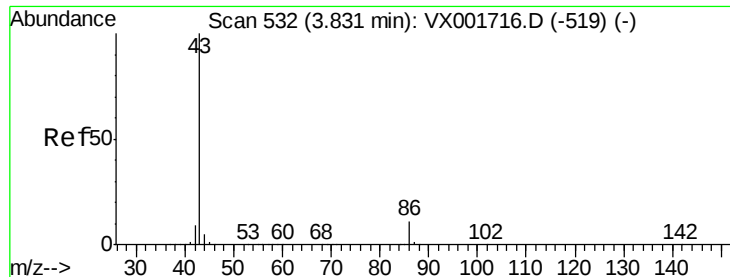
Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion:	45	Resp:	265566
Ion	Ratio	Lower	Upper
45	100		
43	54.1	44.3	66.5
87	27.2	22.6	33.8
59	10.8	9.4	14.0





#23

Vinyl Acetate

Concen: 101.80 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 43 Resp: 916719

Ion Ratio Lower Upper

43 100

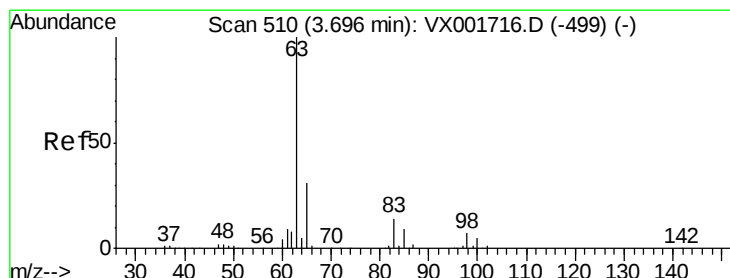
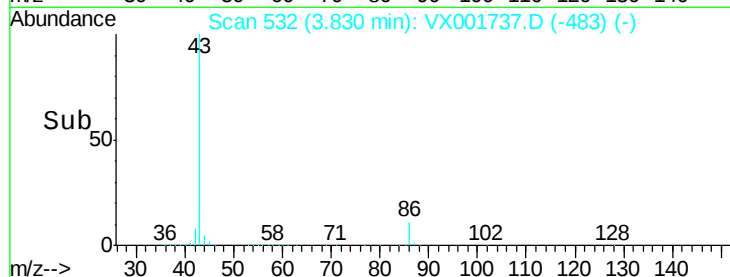
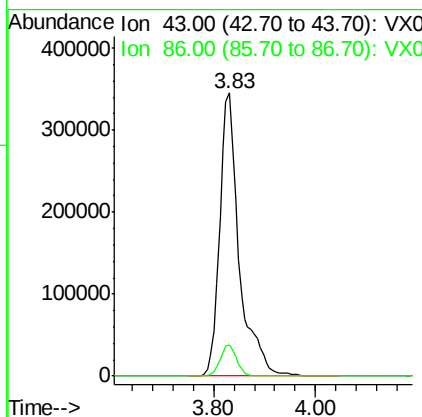
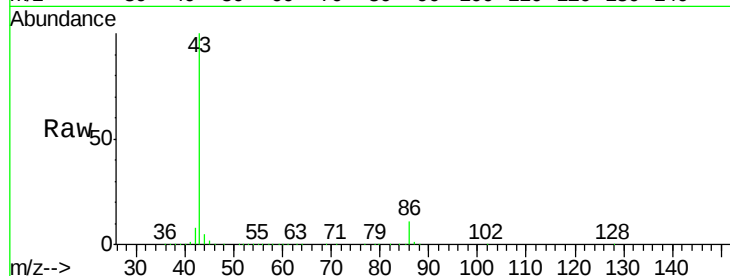
86 11.0 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 21.94 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

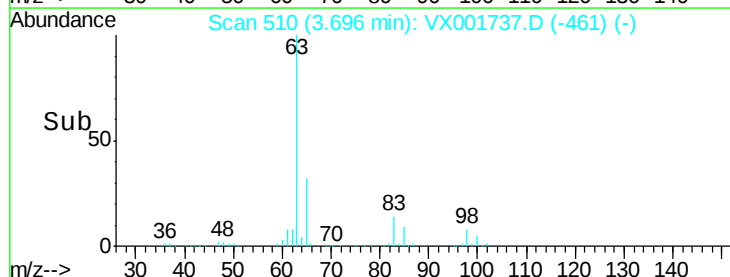
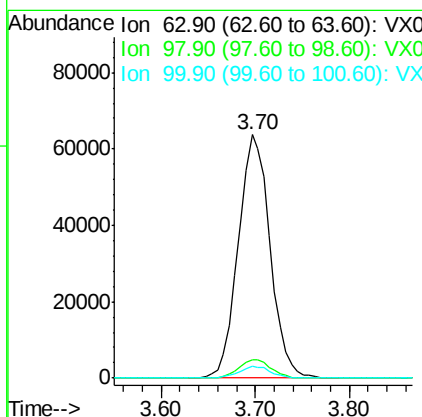
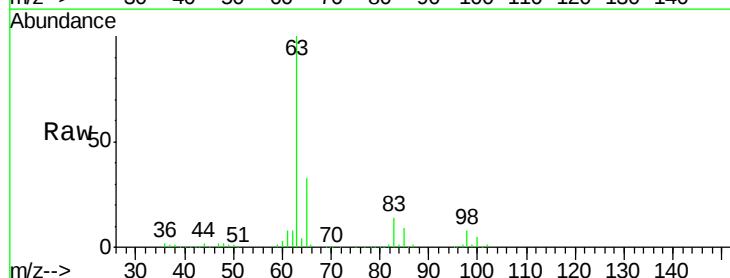
Tgt Ion: 63 Resp: 150401

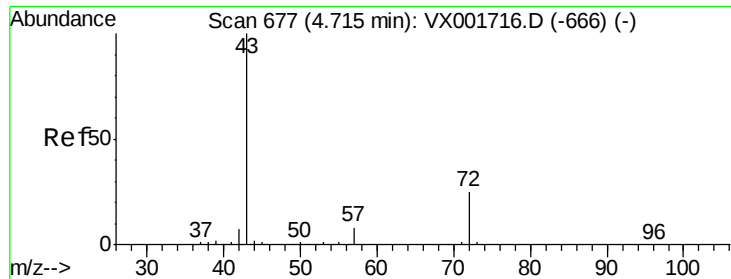
Ion Ratio Lower Upper

63 100

98 7.6 3.7 11.1

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 112.10 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 43 Resp: 322200

Ion Ratio Lower Upper

43 100

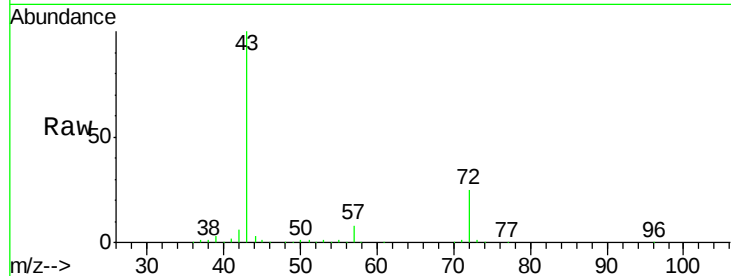
72 25.4 19.8 29.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

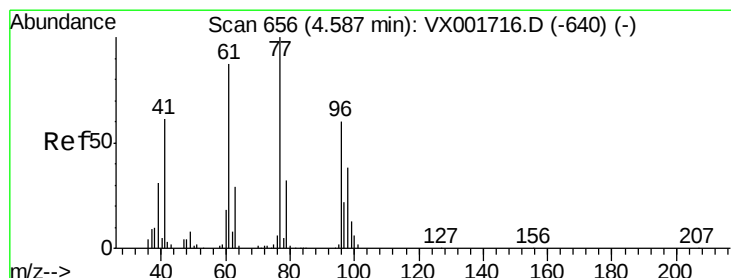
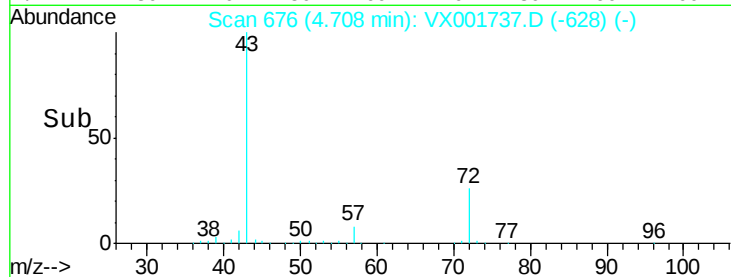
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 22.40 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX001737.D

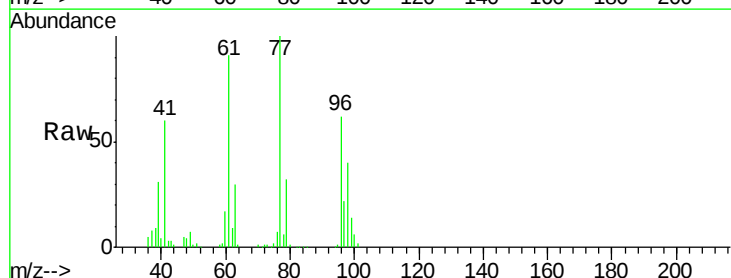
Acq: 15 May 2018 11:34

Tgt Ion: 77 Resp: 123595

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

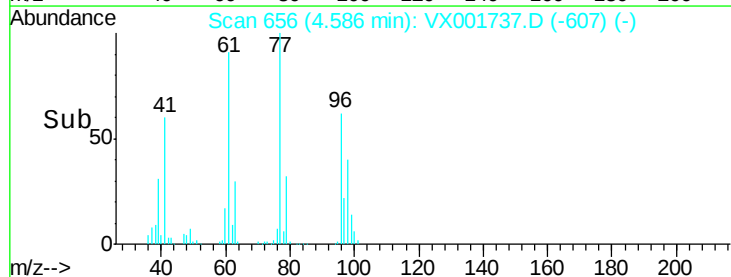
0

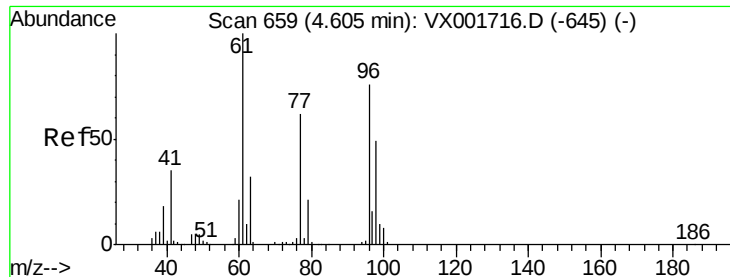
4.50

4.60

4.70

Time-->





#27

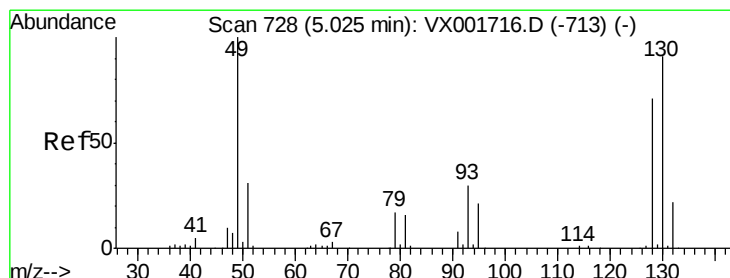
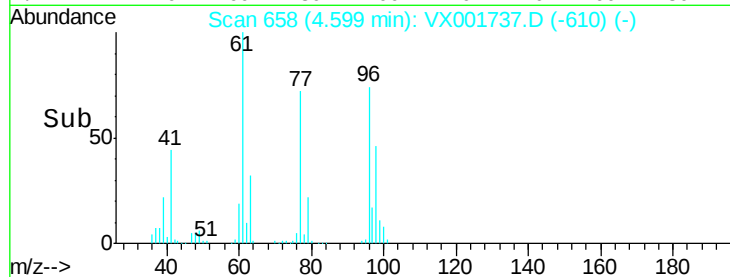
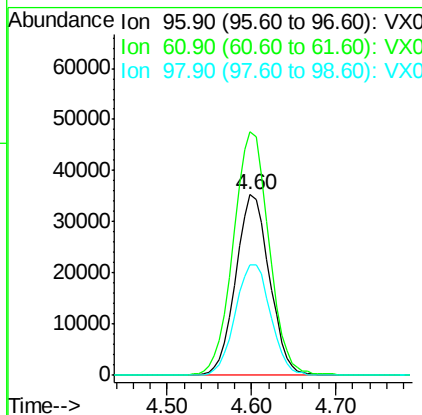
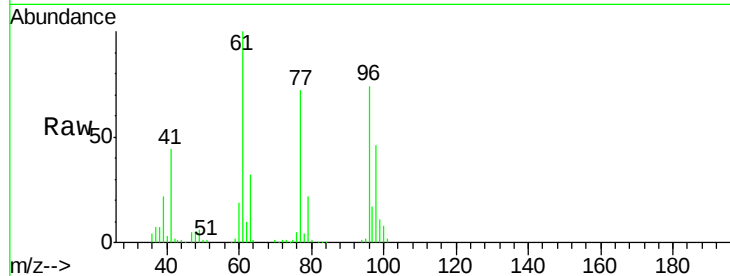
cis-1,2-Dichloroethene
Concen: 21.64 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	280.4
98	64.6	0.0	128.4

Manual Integrations
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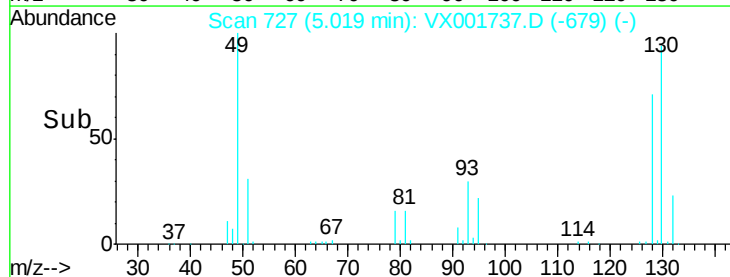
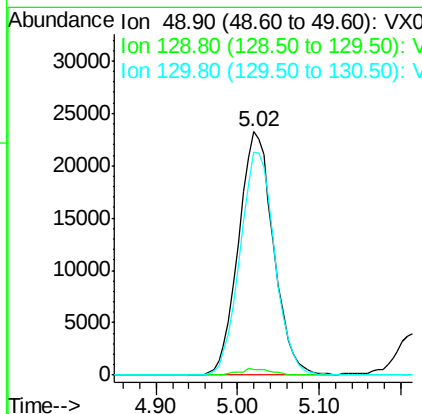
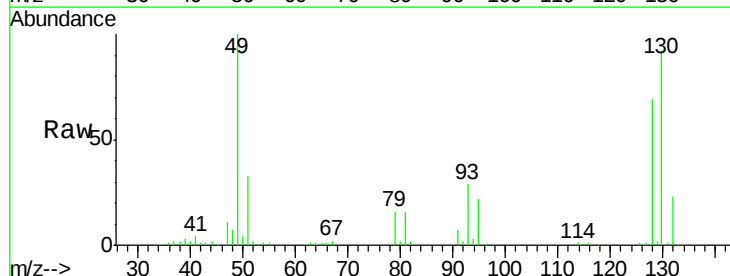
MMDadoda
5/16/2018 11:54:14 AM

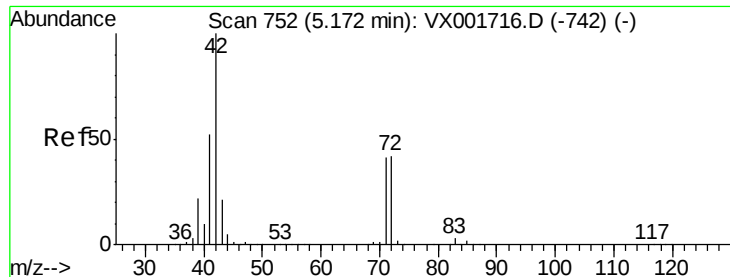


#28

Bromochloromethane
Concen: 22.74 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.0
130	91.1	71.8	107.6





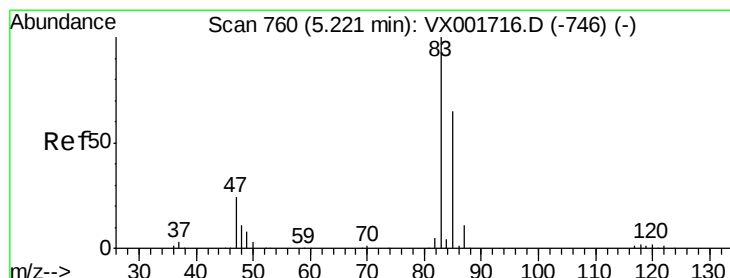
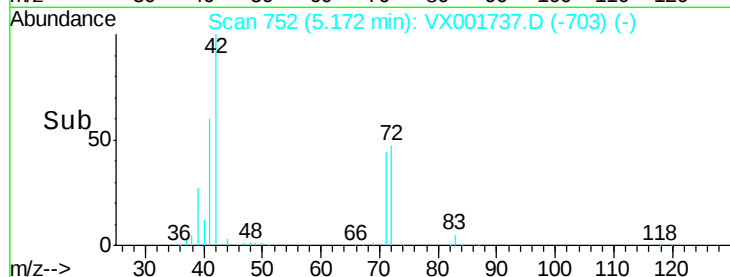
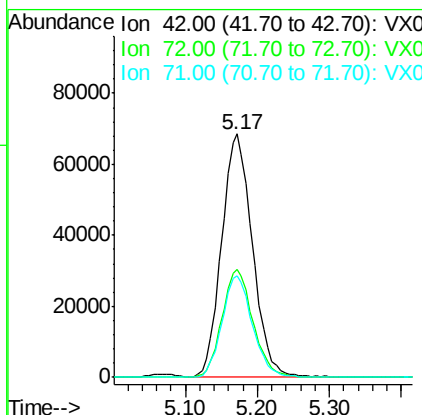
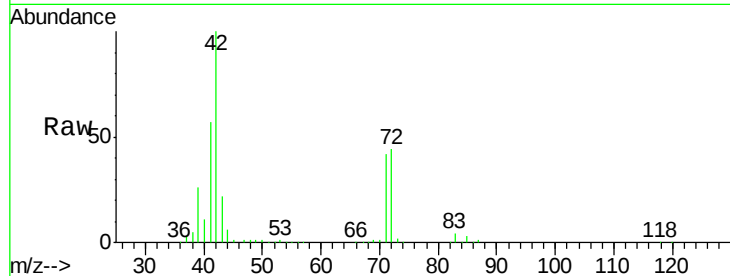
#29
Tetrahydrofuran
Concen: 107.95 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.4	53.2
71	41.5	33.2	49.8

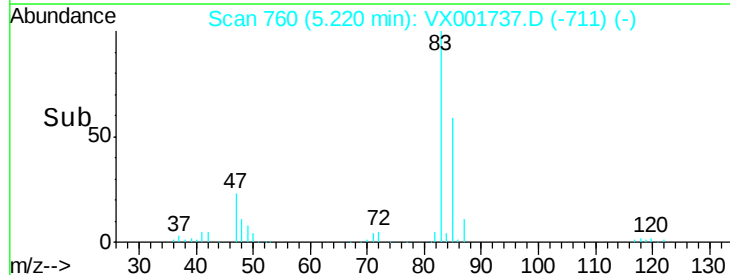
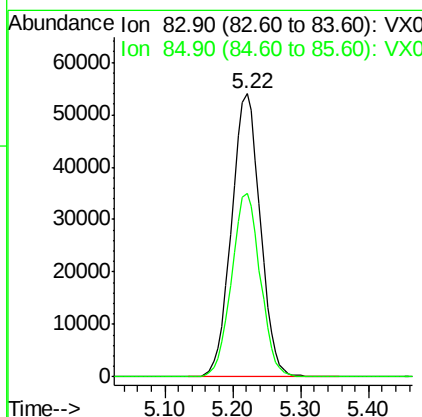
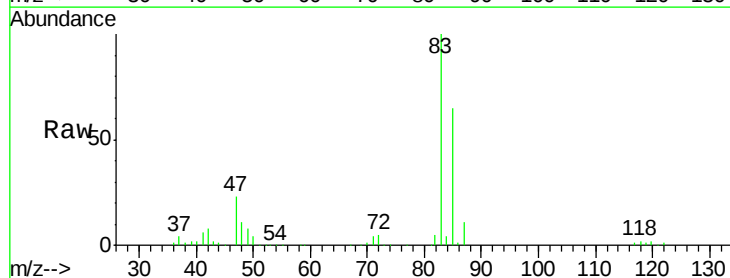
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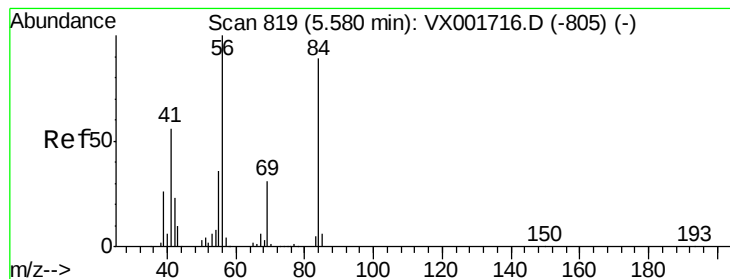
MMDadoda
5/16/2018 11:54:14 AM



#30
Chloroform
Concen: 21.99 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.3	78.5





#31

Cyclohexane

Concen: 22.93 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 56 Resp: 137762

Ion Ratio Lower Upper

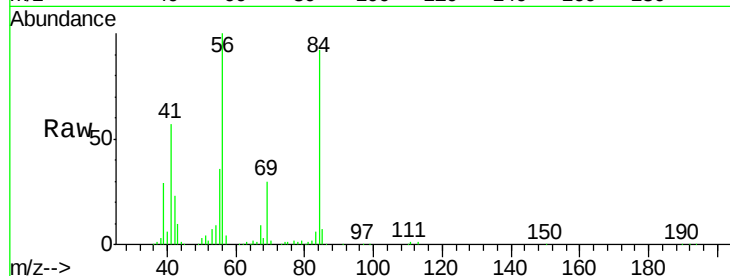
56 100

69 29.6 25.0 37.6

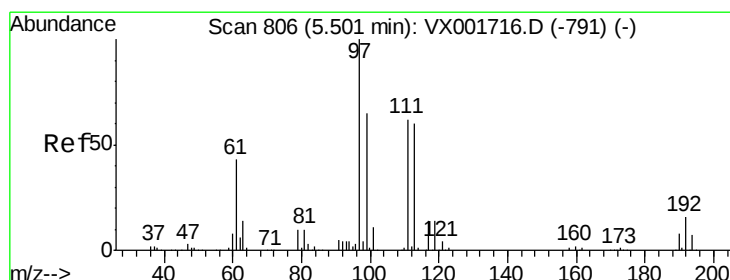
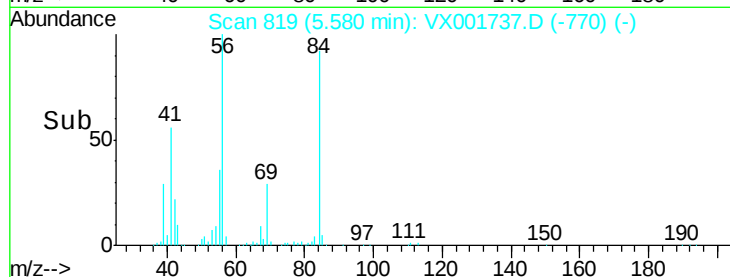
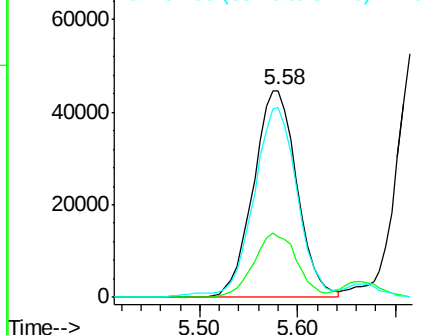
84 90.8 71.0 106.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 22.44 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

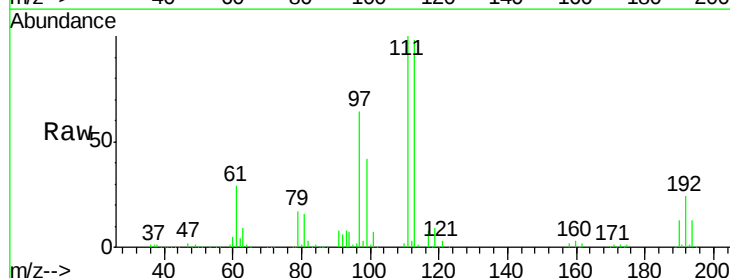
Tgt Ion: 97 Resp: 139595

Ion Ratio Lower Upper

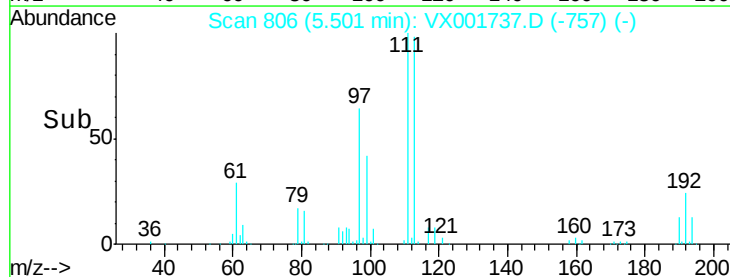
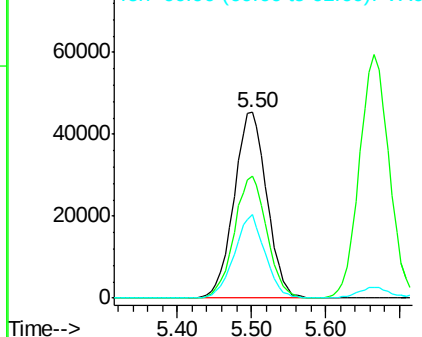
97 100

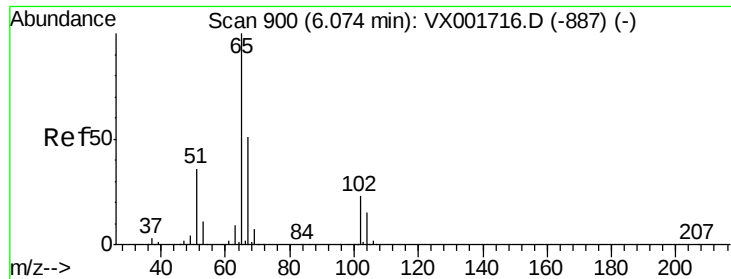
99 65.3 51.3 76.9

61 42.5 34.0 51.0



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





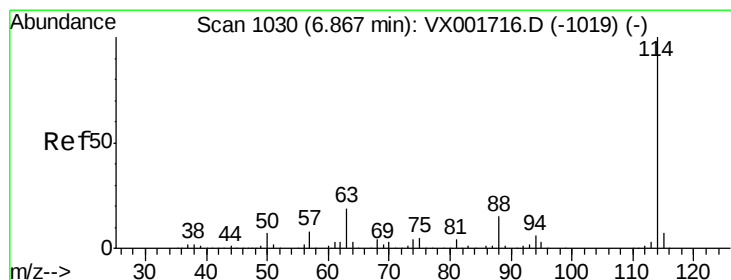
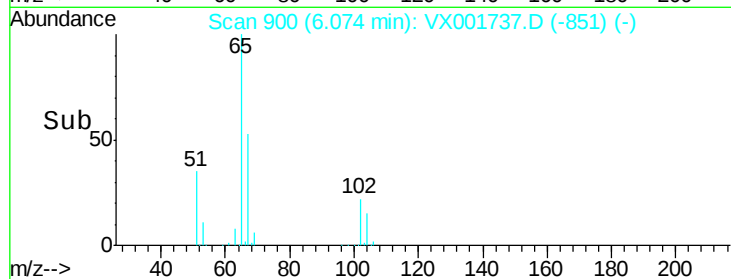
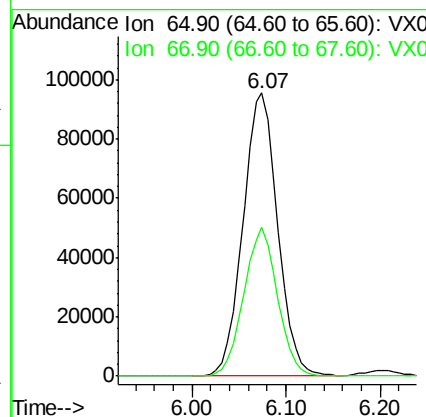
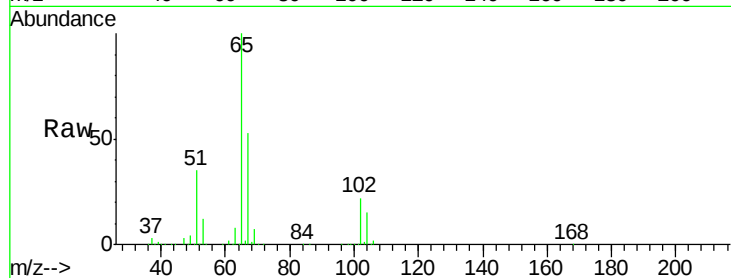
#33
 1,2-Dichloroethane-d4
 Concen: 51.35 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	245459		
67	51.3	0.0	102.8	

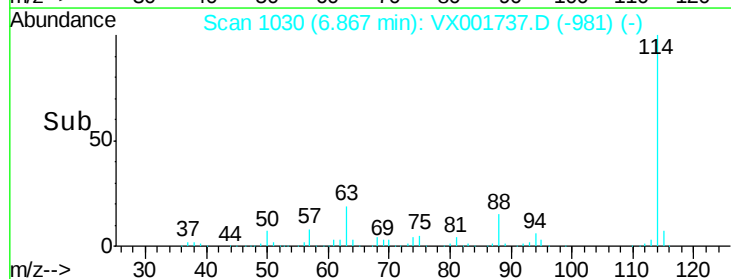
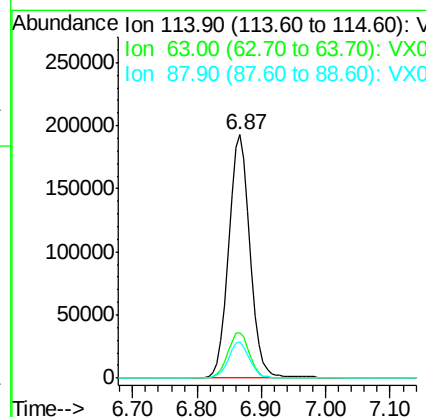
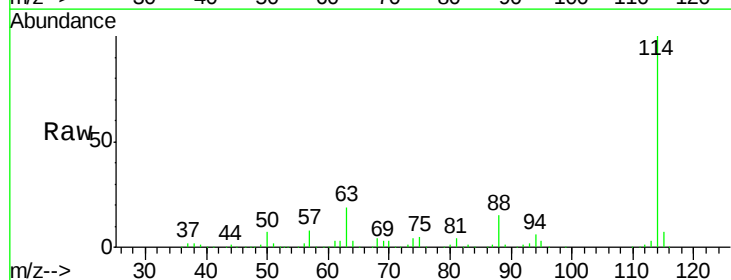
Manual Integrations
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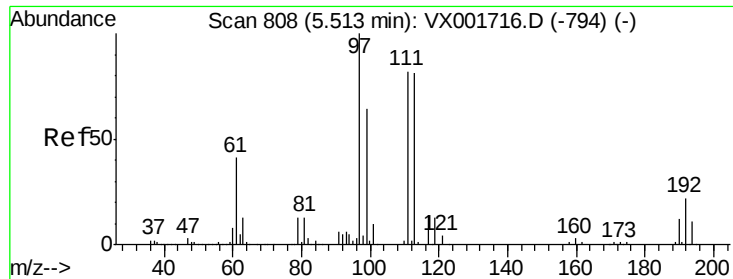
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	452431		
63	18.5	0.0	37.0	
88	15.1	0.0	29.8	





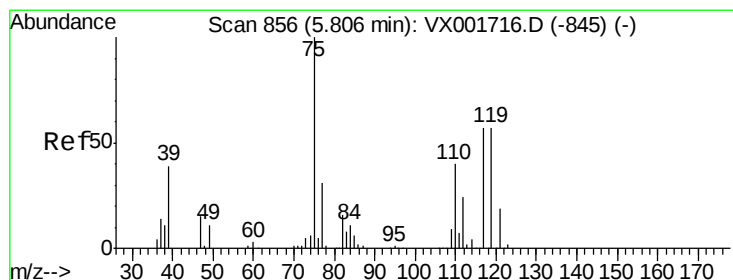
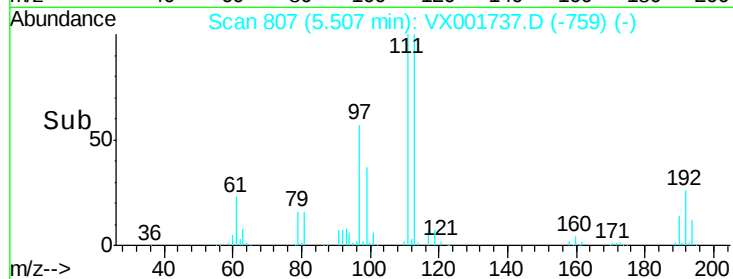
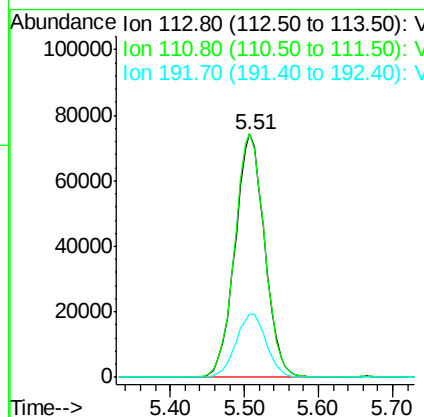
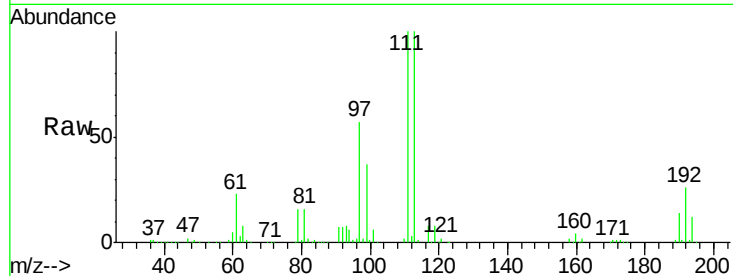
#35
 Dibromofluoromethane
 Concen: 54.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206767		
111	101.2	82.0	123.0	
192	26.8	21.6	32.4	

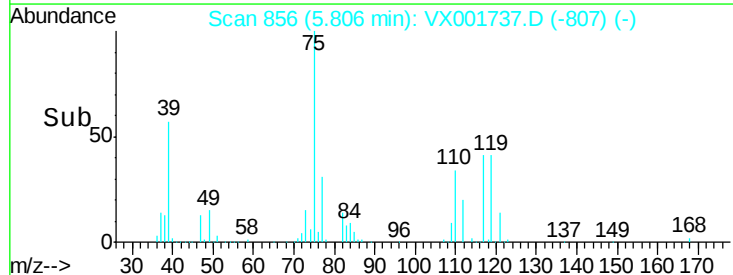
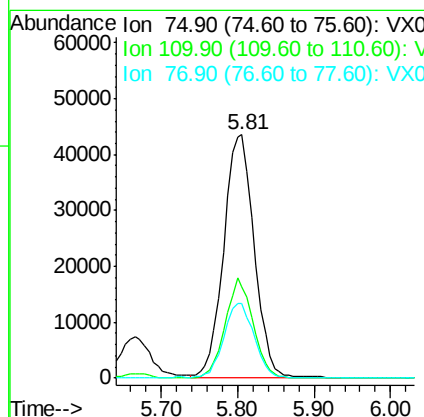
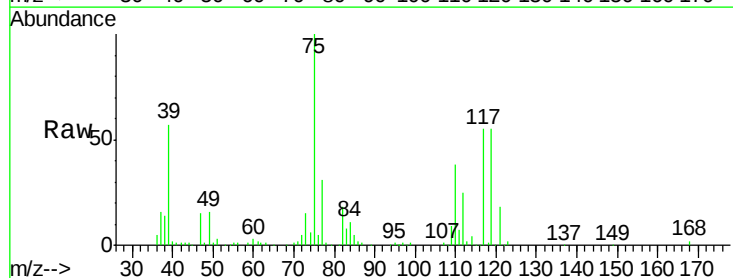
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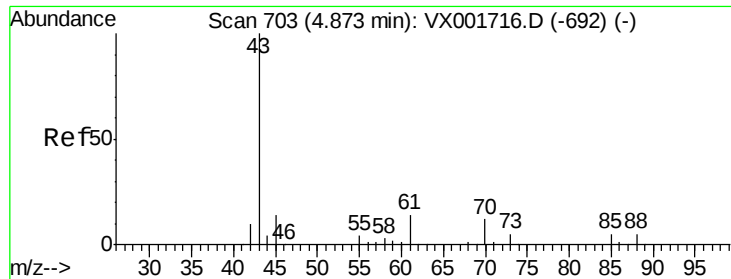
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#36
 1,1-Dichloropropene
 Concen: 22.95 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119530		
110	37.7	19.1	57.1	
77	31.0	24.6	37.0	





#37

Ethyl Acetate

Concen: 22.17 ug/l

RT: 4.87 min Scan# 702

Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

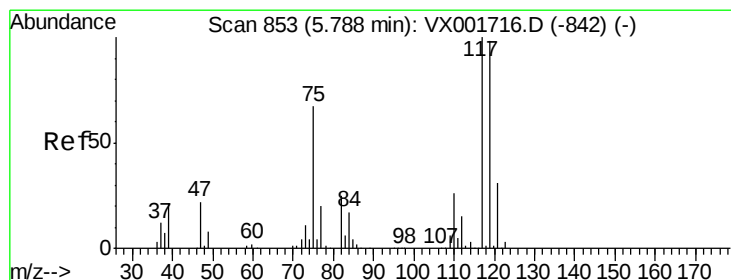
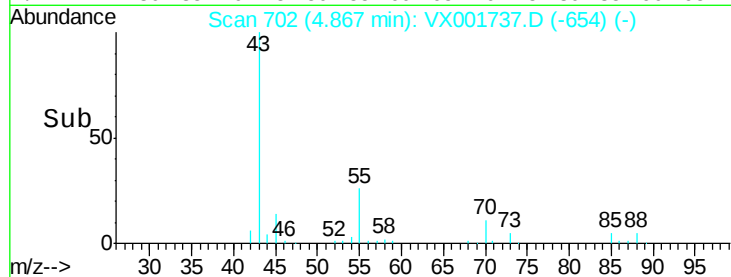
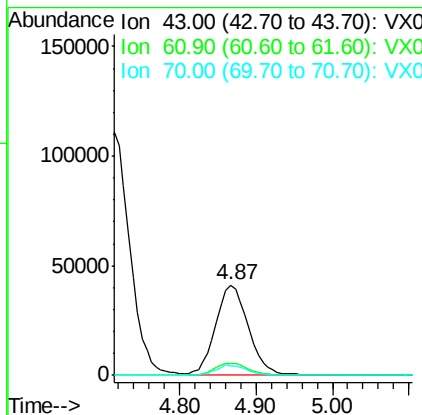
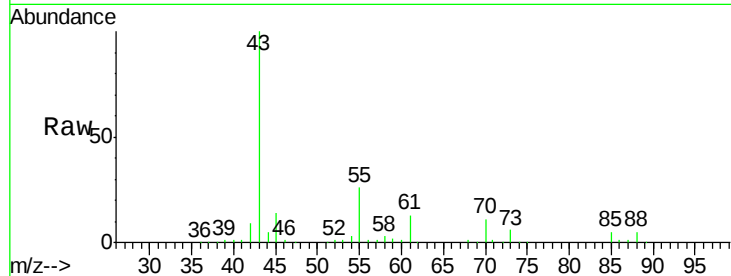
ClientSampleId :

VX0515WBS02

Tot Ion:	43	Resp:	120320
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	11.3	8.8	13.2

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#38

Carbon Tetrachloride

Concen: 23.33 ug/l

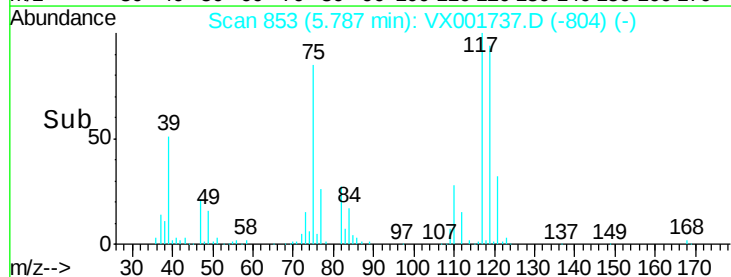
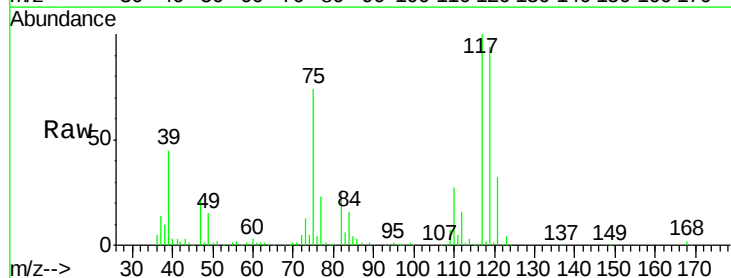
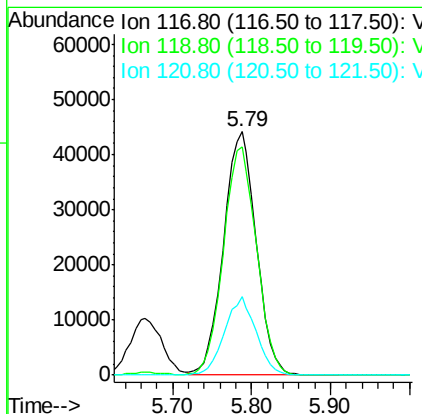
RT: 5.79 min Scan# 853

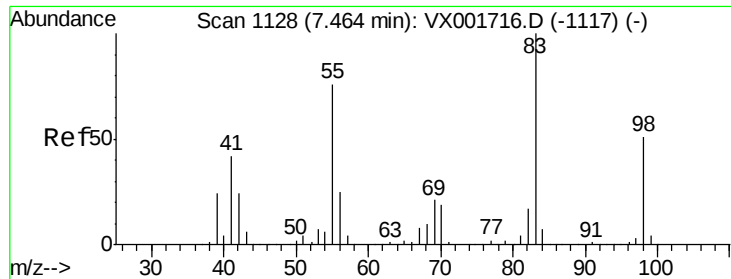
Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion:	117	Resp:	127299
Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.6	116.4
121	32.4	24.6	36.8





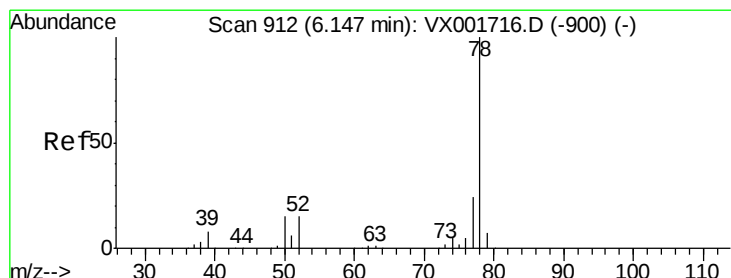
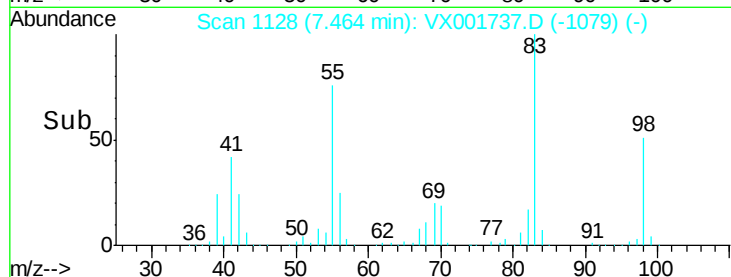
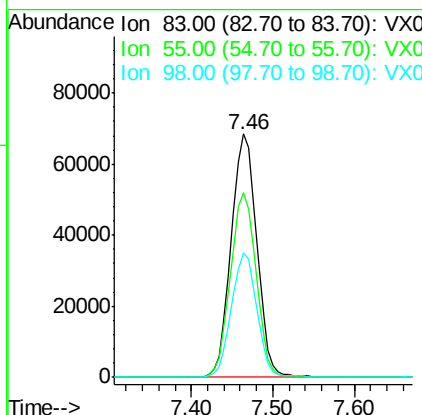
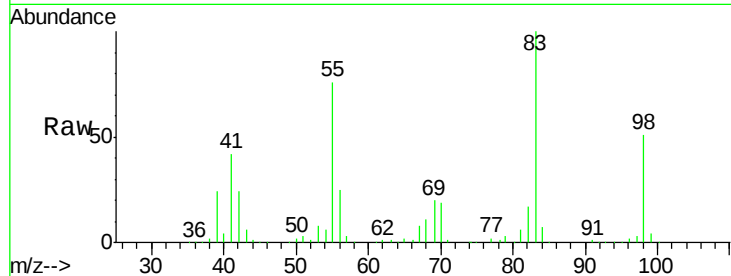
#39
Methvlcvclohexane
Concen: 24.39 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.6	90.8
98	51.2	40.4	60.6

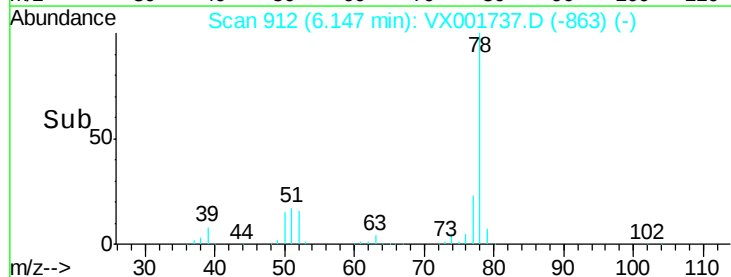
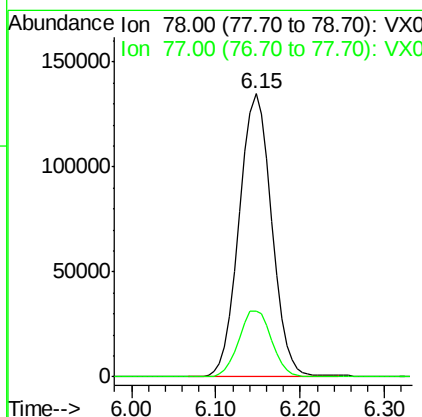
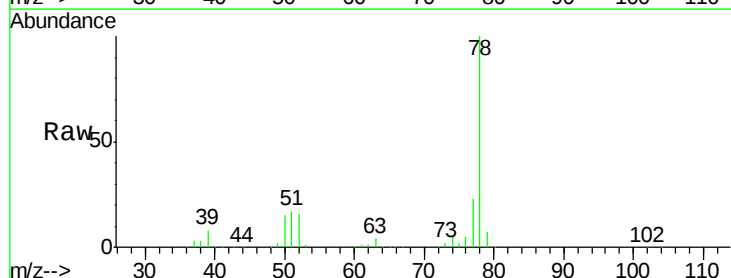
Manual Integrations
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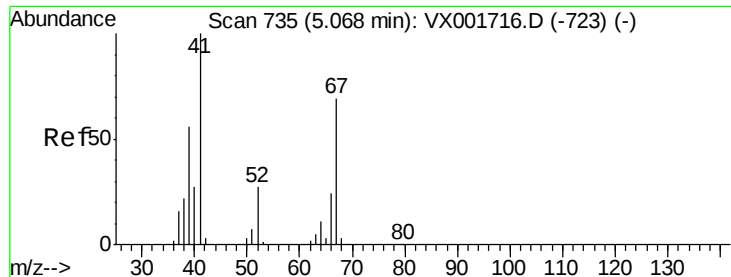
MMDadoda
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#40
Benzene
Concen: 22.99 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





#41

Methacrylonitrile

Concen: 22.20 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

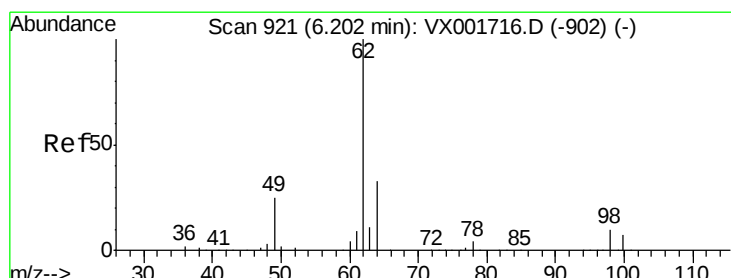
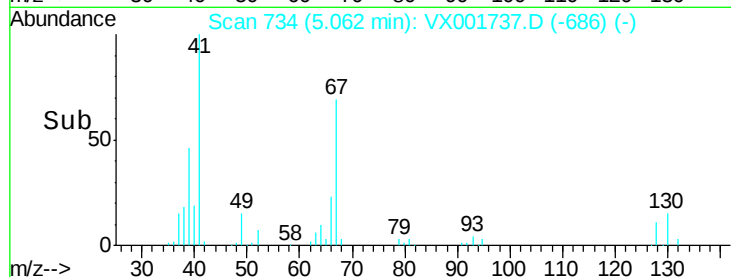
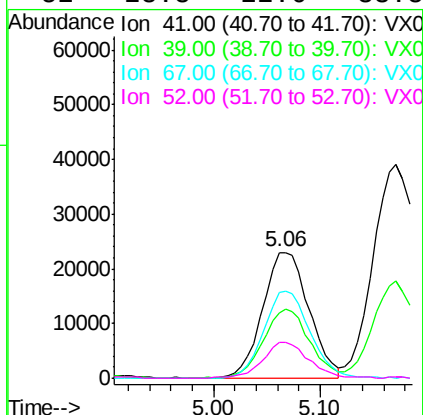
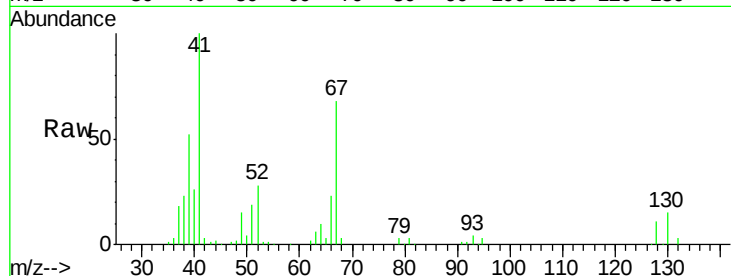
ClientSampleId :

VX0515WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		69682		
39	53.9	44.2	66.4		
67	69.3	56.0	84.0		
52	28.8	22.6	33.8		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.76 ug/l

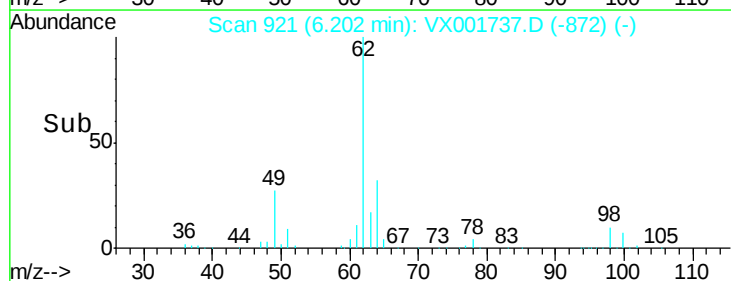
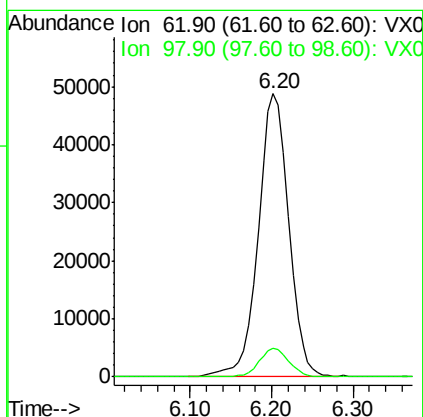
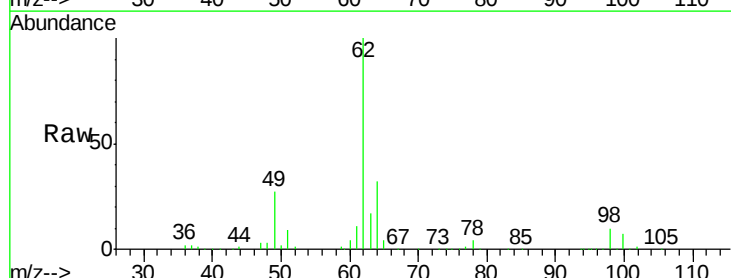
RT: 6.20 min Scan# 921

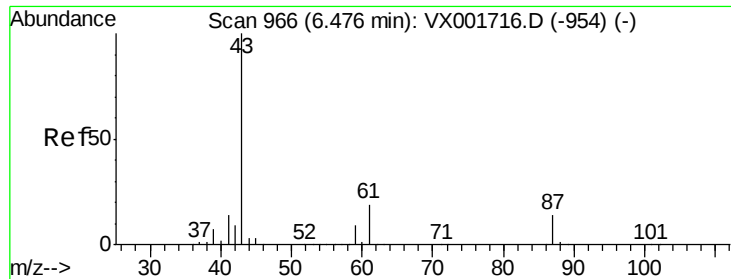
Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		126289		
98	9.9	0.0	20.0		





#43

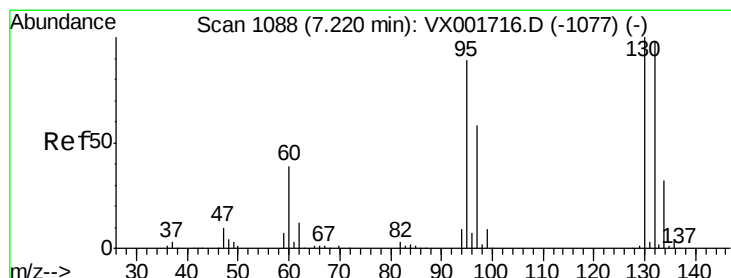
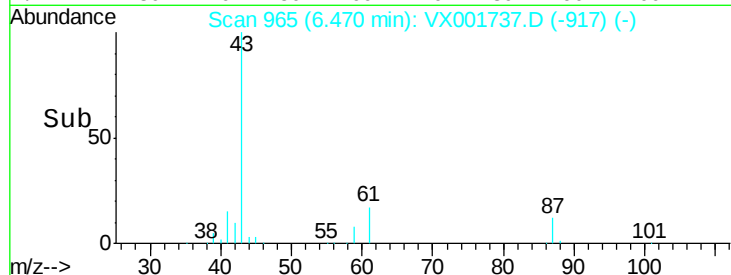
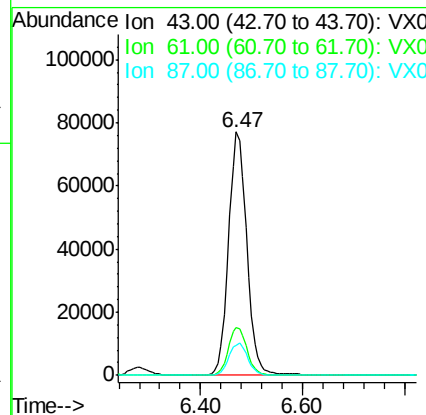
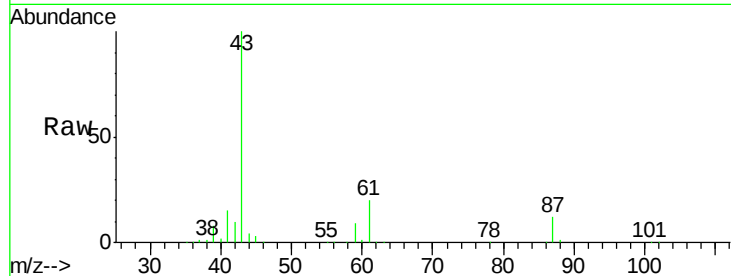
Isopropyl Acetate
 Concen: 22.48 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0515WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	13.6	11.0	16.4

Manual Integrations
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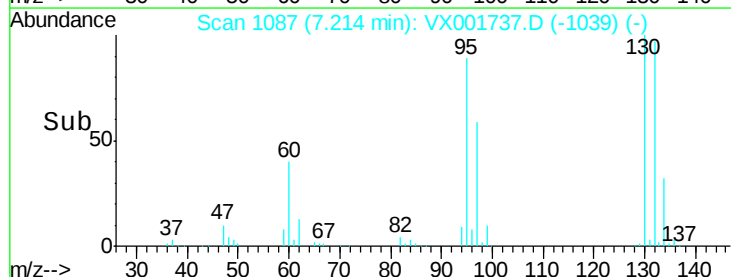
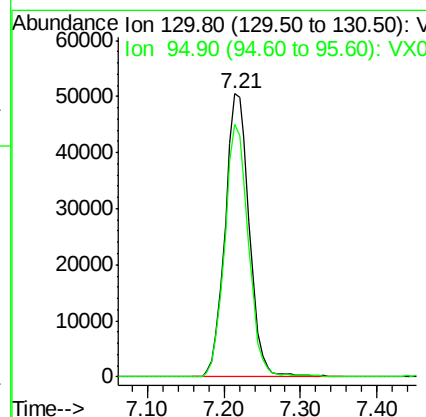
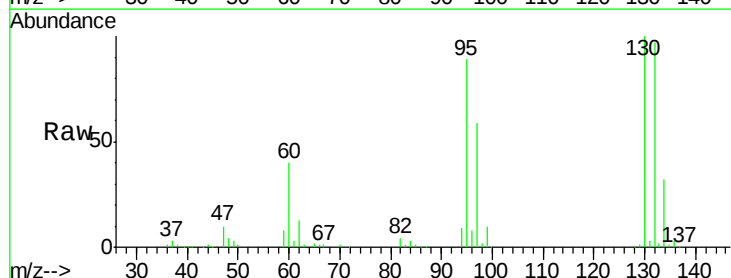
MMDadoda
 5/16/2018 11:54:14 AM

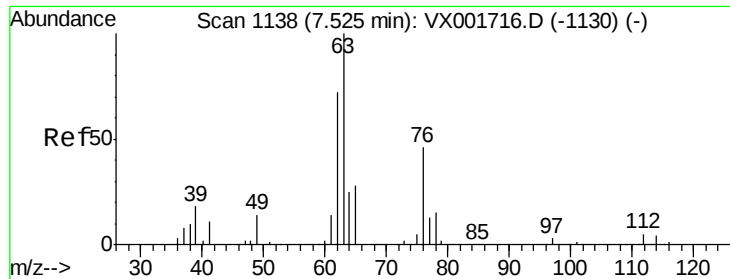


#44

Trichloroethene
 Concen: 23.14 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	177.2





#45

1,2-Dichloropropane

Concen: 23.35 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 63 Resp: 87923

Ion Ratio Lower Upper

63 100

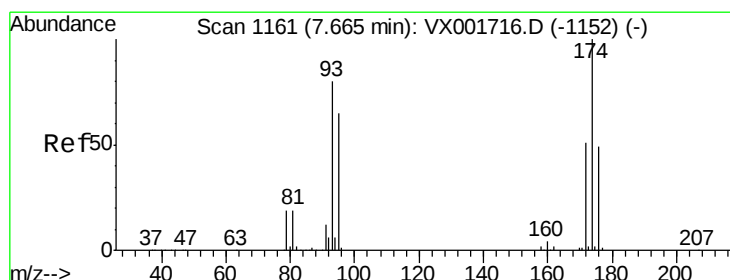
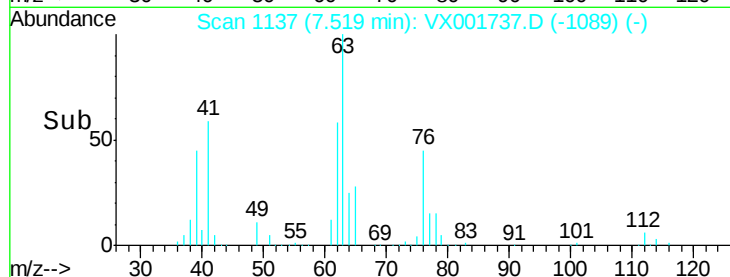
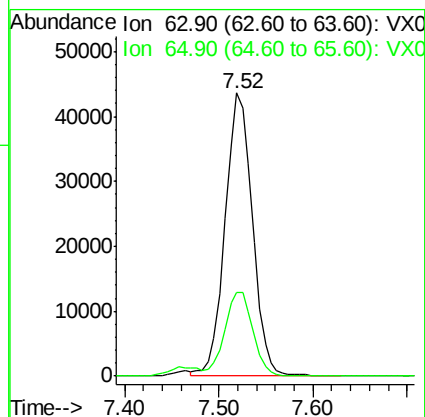
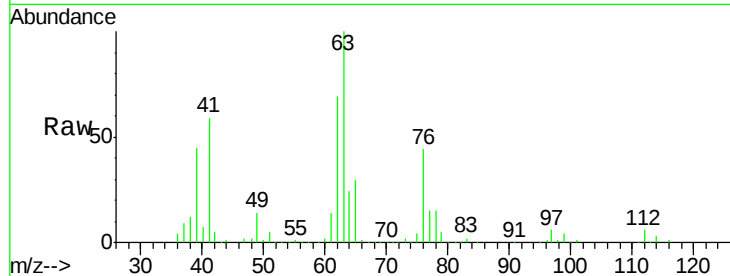
65 29.6 24.2 36.2

Manual Integrations

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#46

Dibromomethane

Concen: 22.48 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

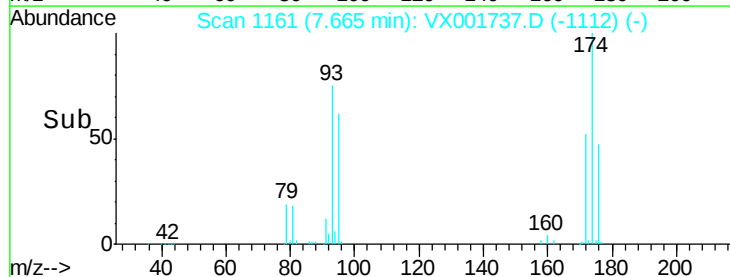
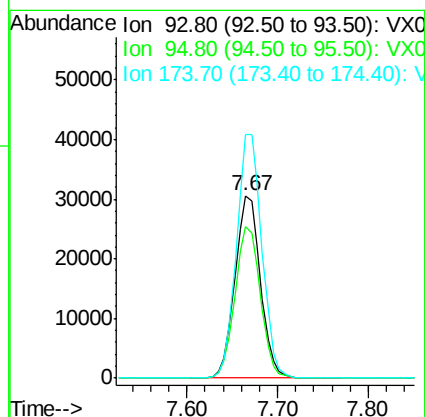
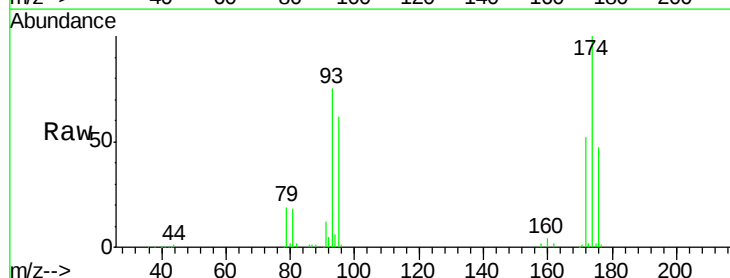
Tgt Ion: 93 Resp: 59439

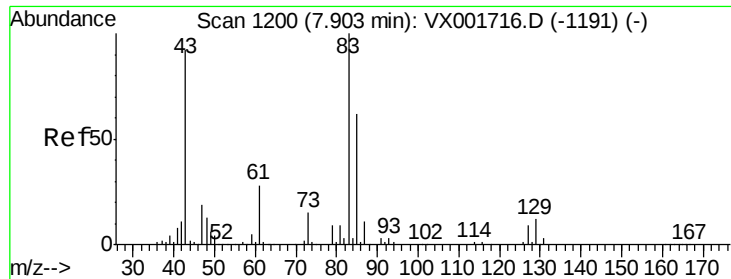
Ion Ratio Lower Upper

93 100

95 83.2 65.9 98.9

174 133.4 106.2 159.2





#47

Bromodichloromethane

Concen: 23.39 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

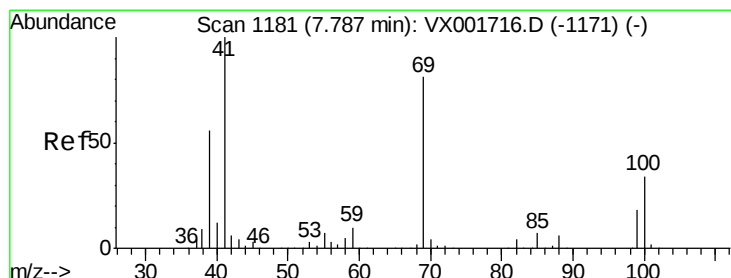
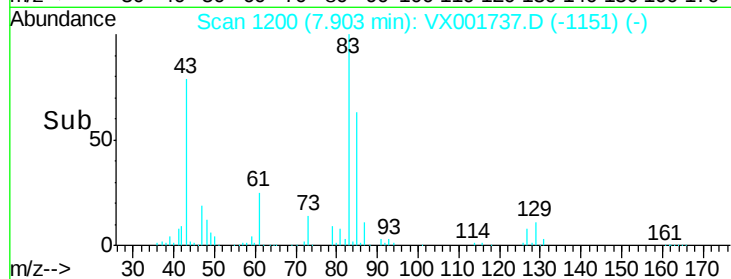
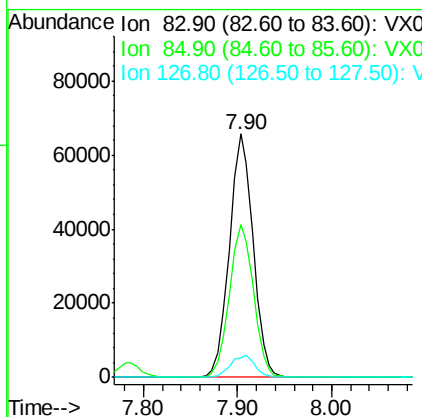
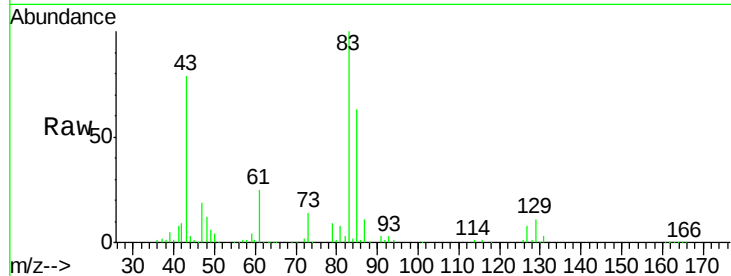
ClientSampleId :

VX0515WBS02

Tot Ion:	83	Resp:	114763
Ion	Ratio	Lower	Upper
83	100		
85	62.9	49.6	74.4
127	8.3	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.52 ug/l

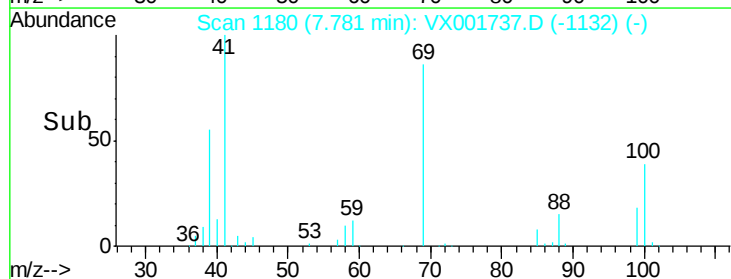
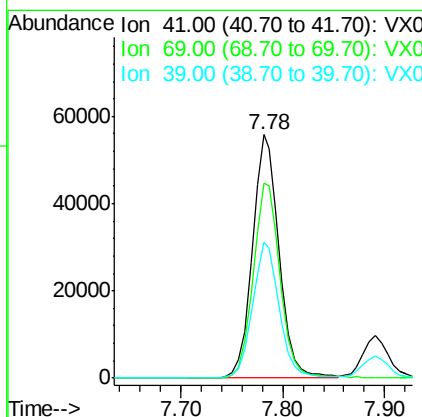
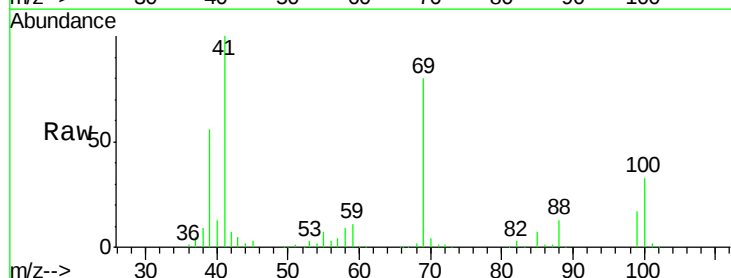
RT: 7.78 min Scan# 1180

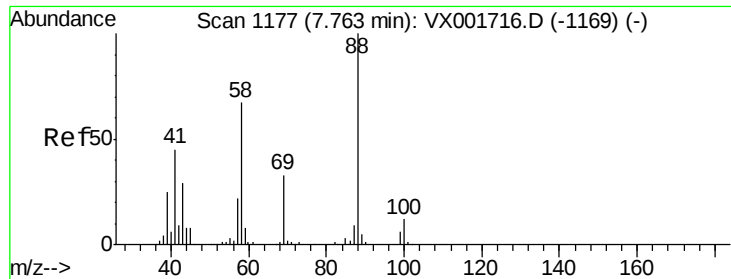
Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion:	41	Resp:	100680
Ion	Ratio	Lower	Upper
41	100		
69	81.9	65.2	97.8
39	56.7	44.5	66.7





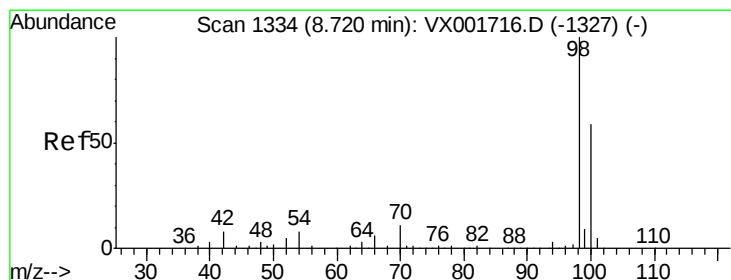
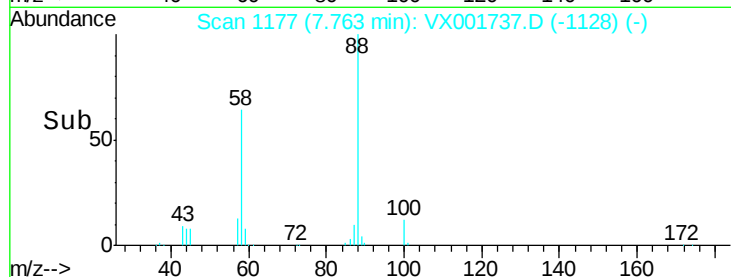
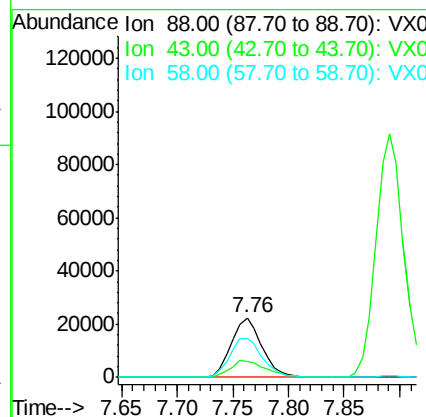
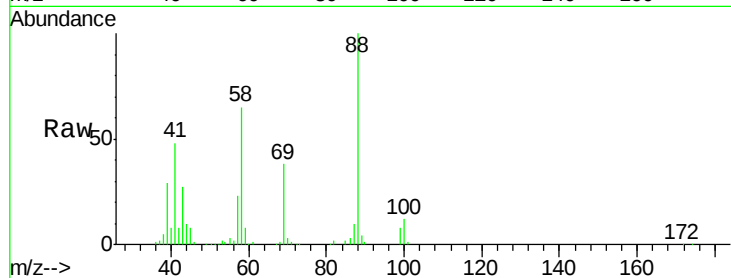
#49
1,4-Dioxane
Concen: 493.78 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	27.3	40.9
58	69.5	55.9	83.9

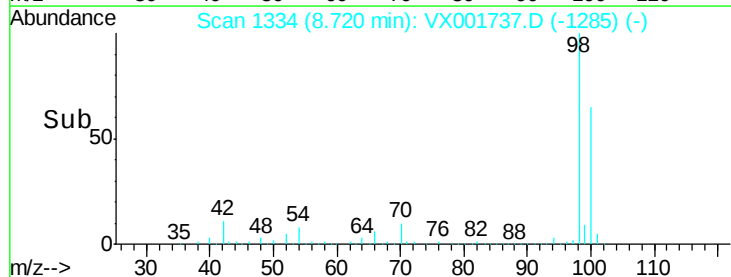
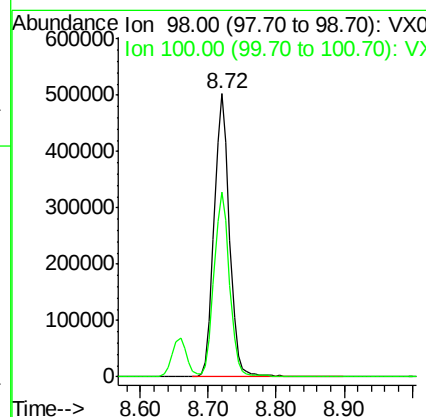
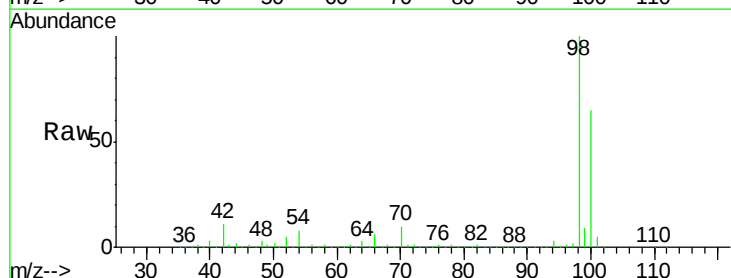
Manual Integrations
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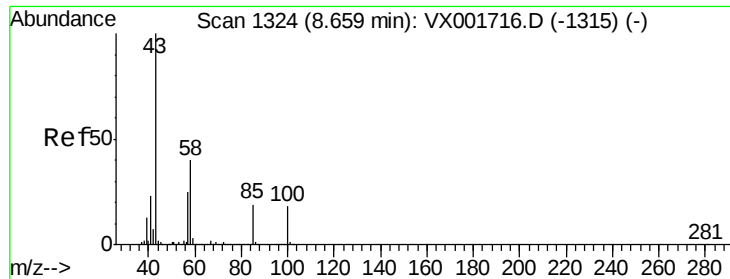
MMDadoda
5/16/2018 11:54:14 AM



#50
Toluene-d8
Concen: 57.52 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	54.0	81.0





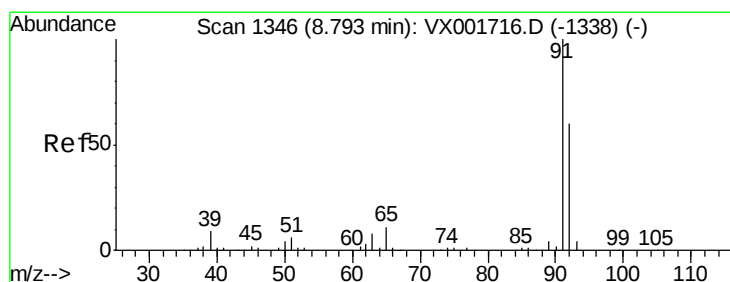
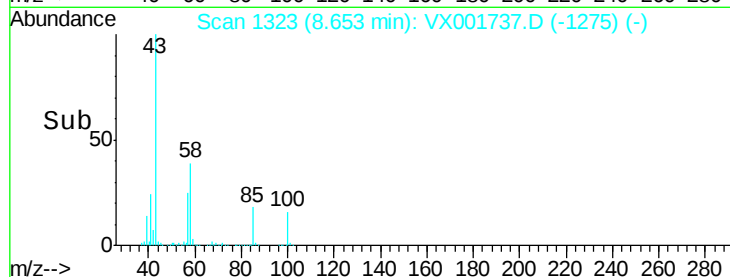
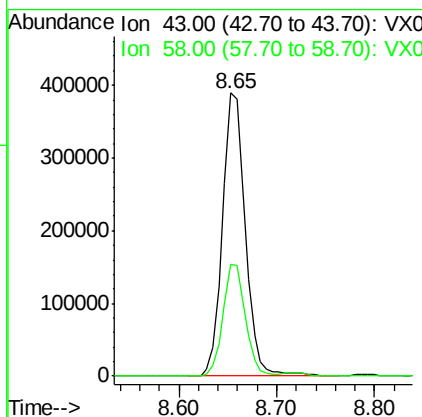
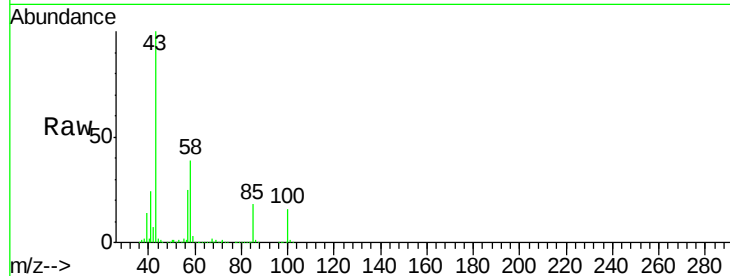
#51
4-Methyl-2-Pentanone
Concen: 117.80 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.4	47.0

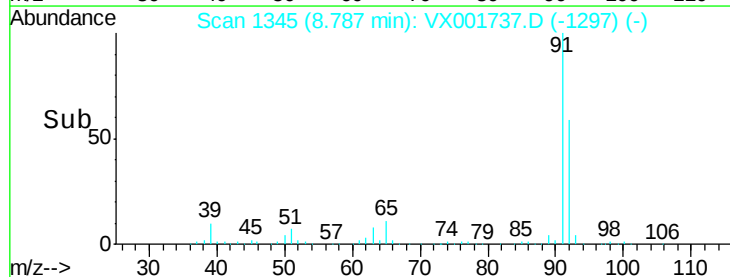
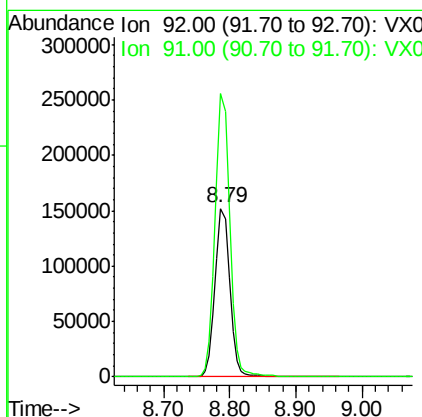
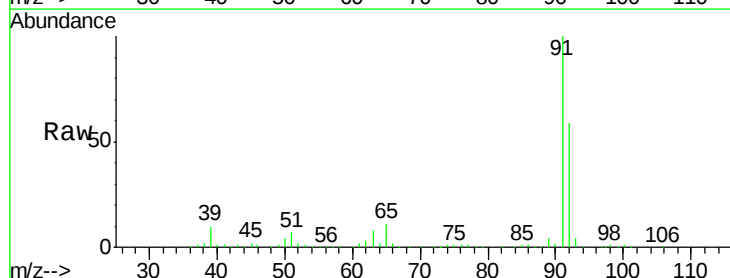
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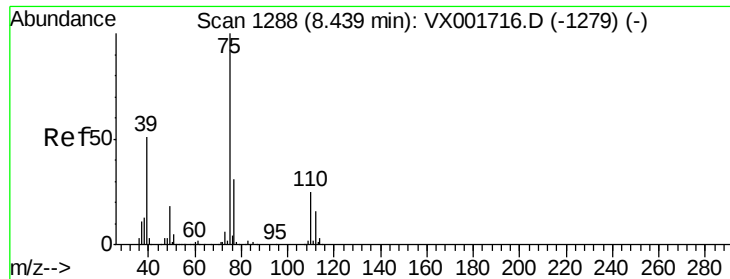
MMDadoda
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#52
Toluene
Concen: 24.03 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.0	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 23.52 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 75 Resp: 135755

Ion Ratio Lower Upper

75 100

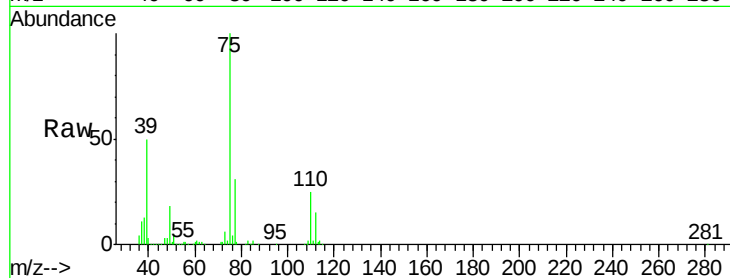
77 31.5 25.0 37.6

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

100000

80000

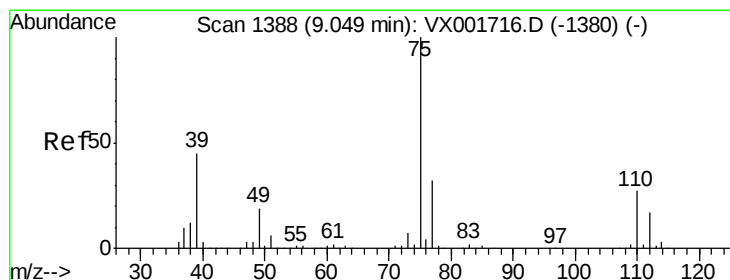
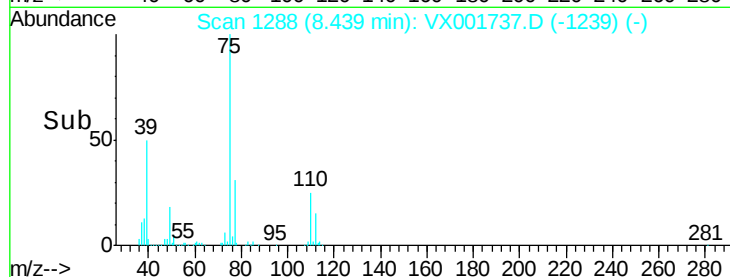
60000

40000

20000

0

Time--> 8.35 8.40 8.45 8.50



#54

cis-1,3-Dichloropropene

Concen: 23.39 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

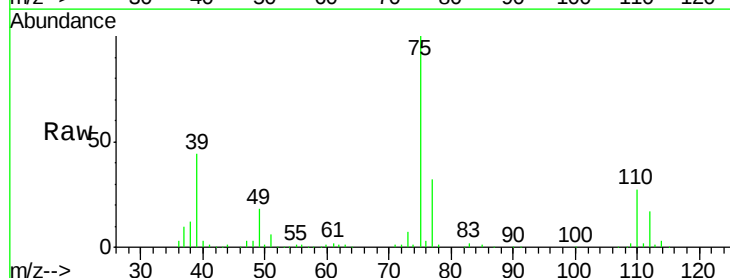
Tgt Ion: 75 Resp: 119034

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

39 43.8 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

100000

80000

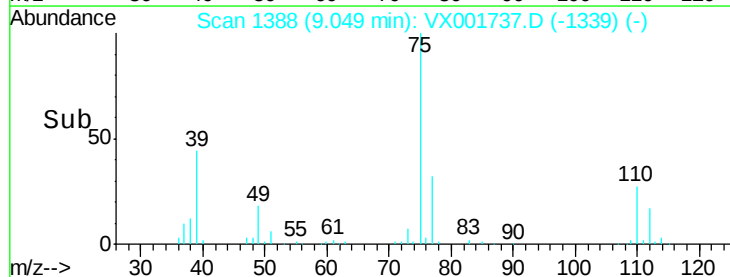
60000

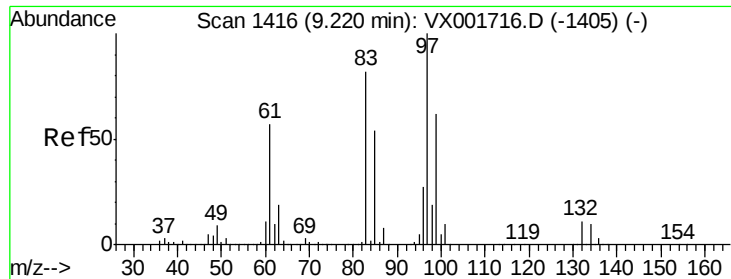
40000

20000

0

Time--> 9.00 9.10 9.20





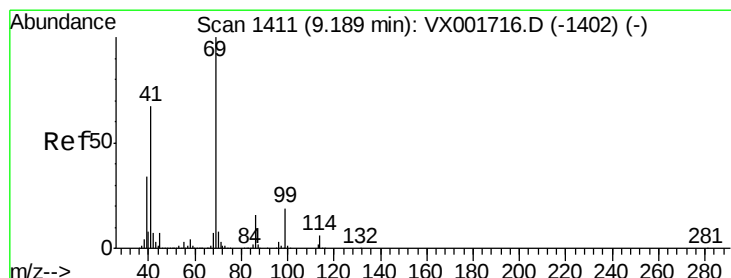
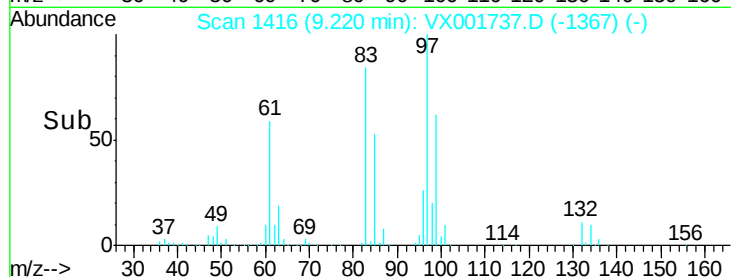
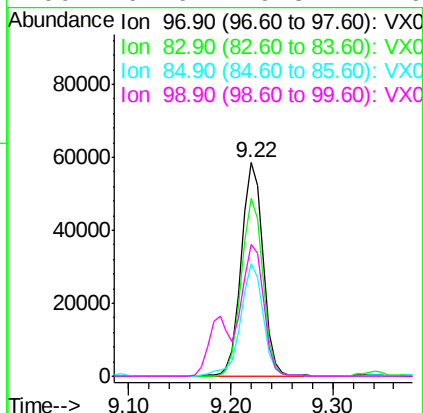
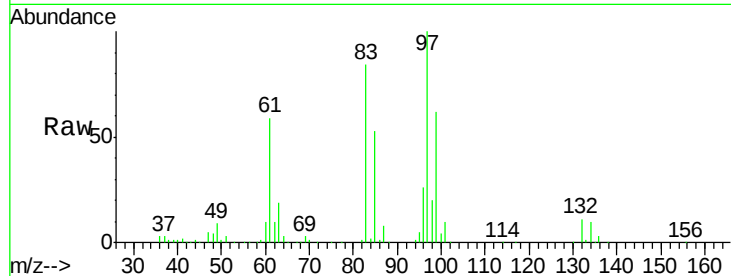
#55
 1,1,2-Trichloroethane
 Concen: 22.92 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS02

Tot Ion:	97	Resp:	86404
Ion	Ratio	Lower	Upper
97	100		
83	83.5	65.8	98.8
85	52.8	43.4	65.0
99	61.6	49.8	74.6

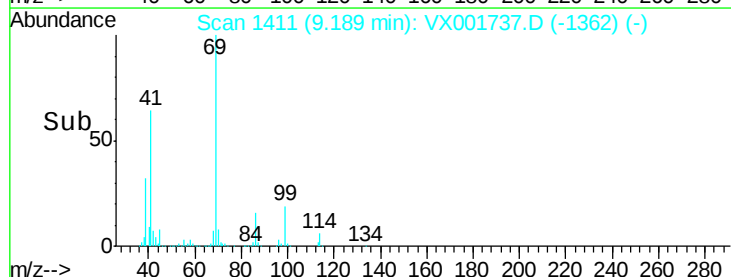
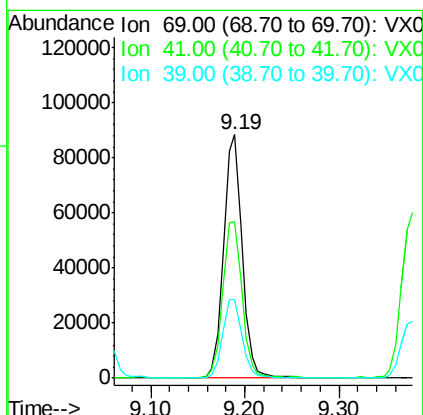
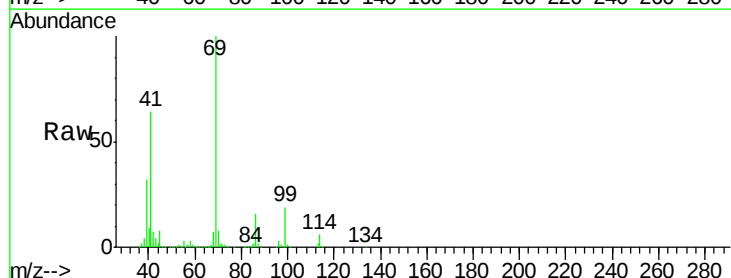
Manual Integrations
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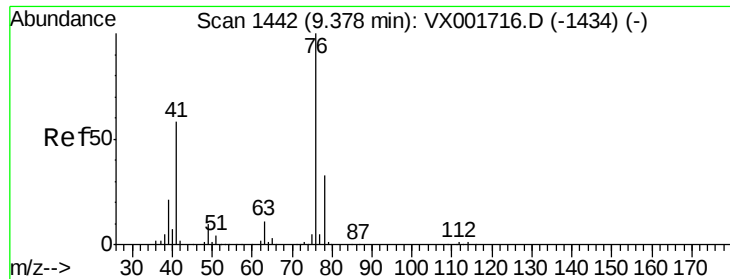
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#56
 Ethyl methacrylate
 Concen: 22.71 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Tgt Ion:	69	Resp:	121385
Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.5	80.3
39	33.4	27.2	40.8





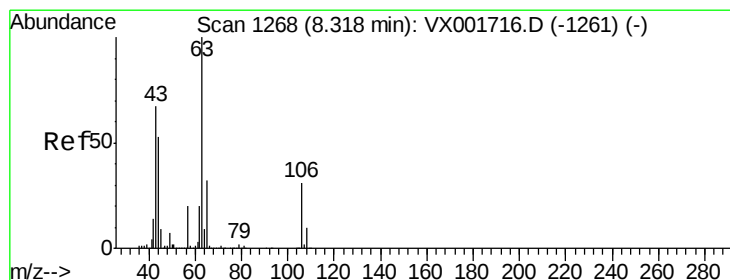
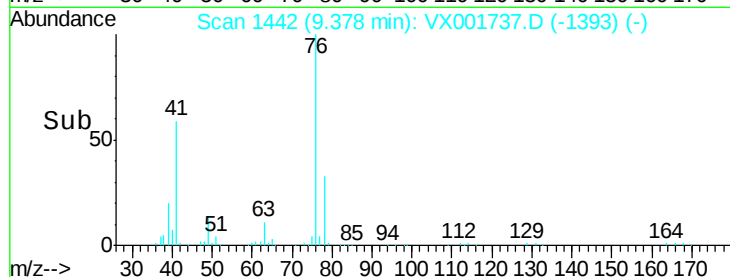
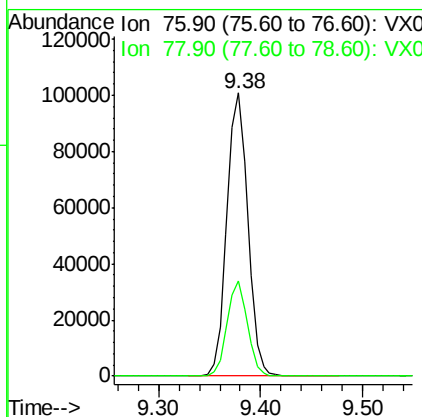
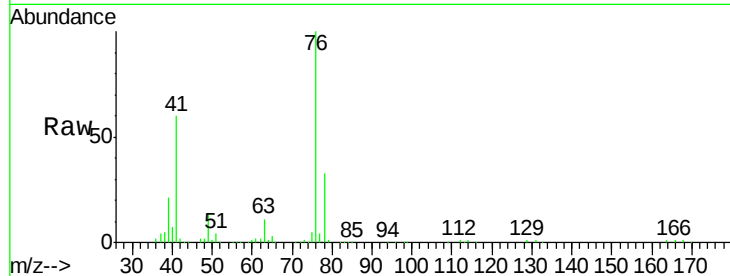
#57
 1,3-Dichloropropane
 Concen: 22.72 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

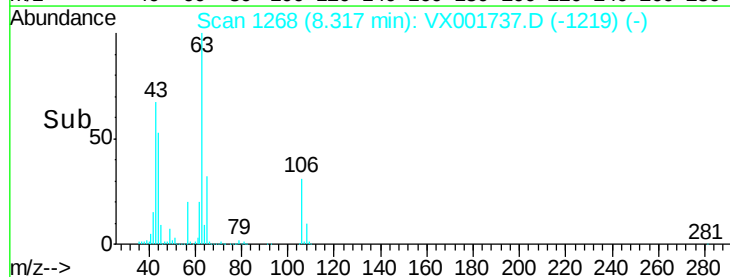
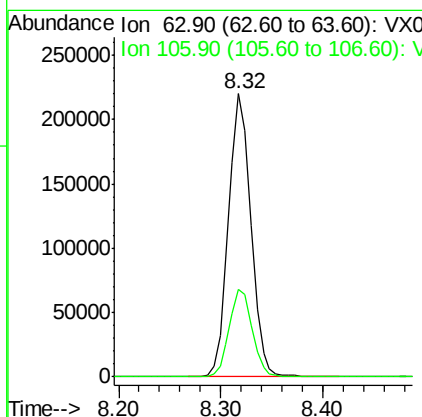
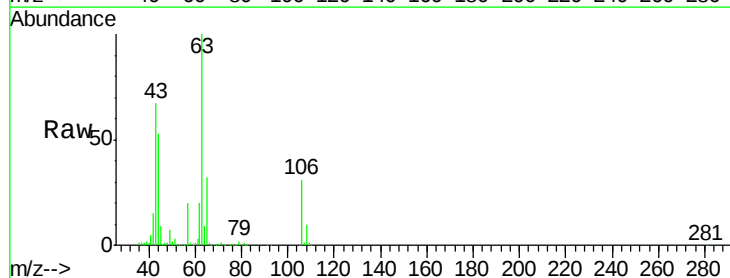
Manual Integrations
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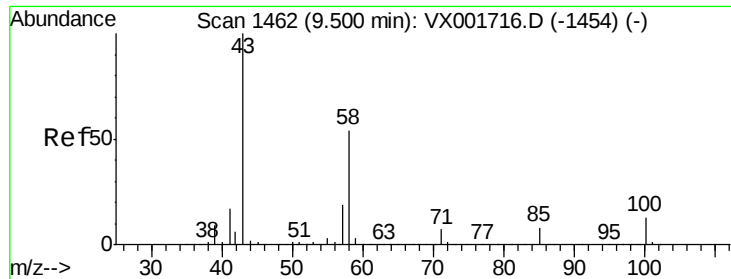
MMDadoda
 5/16/2018 11:54:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.46 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	25.1	37.7





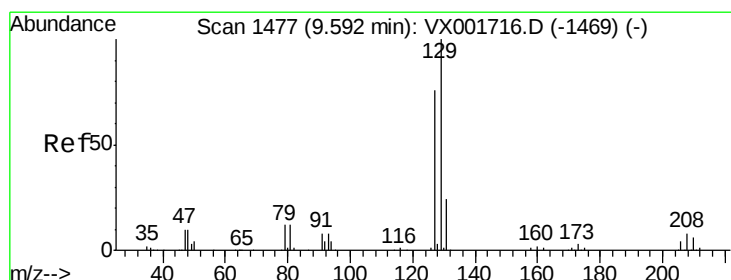
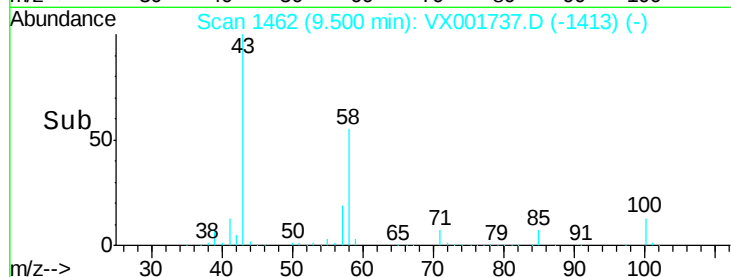
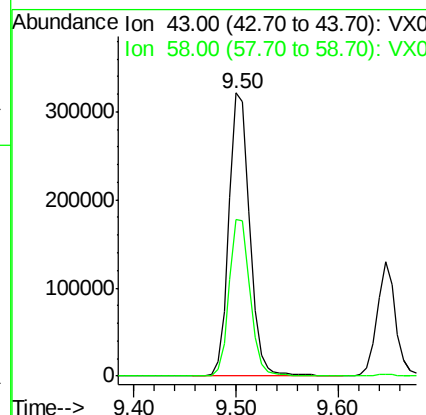
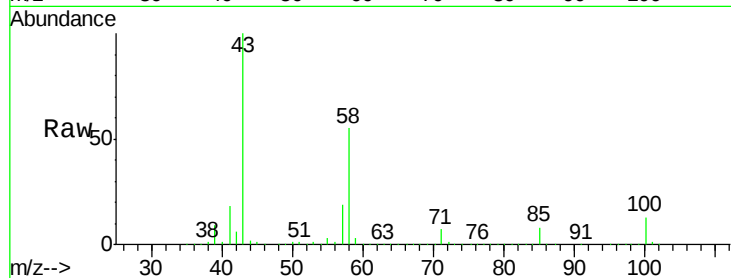
#59
2-Hexanone
Concen: 117.94 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion: 43 Resp: 454529
Ion Ratio Lower Upper
43 100
58 55.7 27.7 83.1

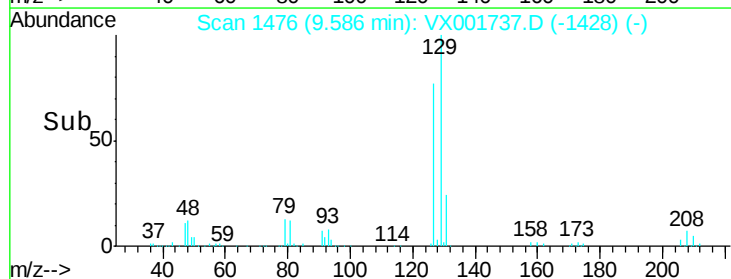
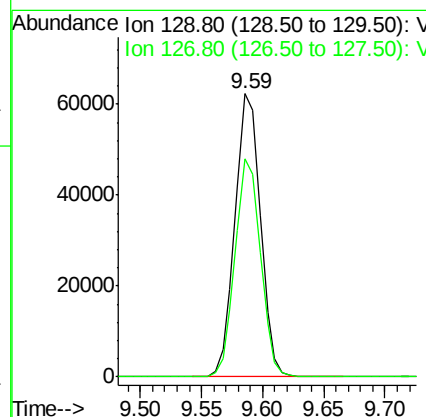
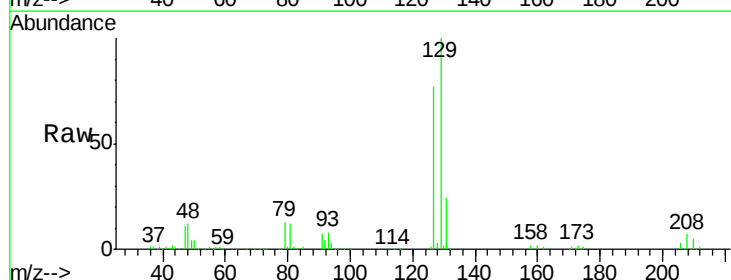
Manual Integrations
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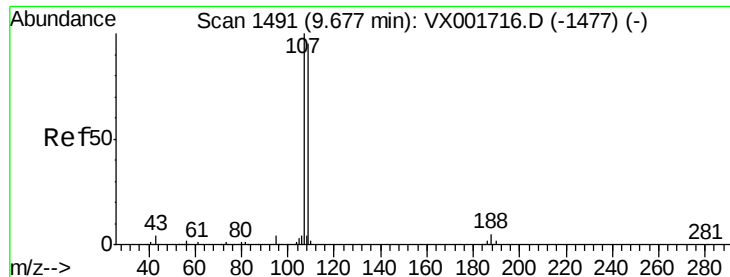
MMDadoda
5/16/2018 11:54:14 AM



#60
Dibromochloromethane
Concen: 23.23 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion: 129 Resp: 89658
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





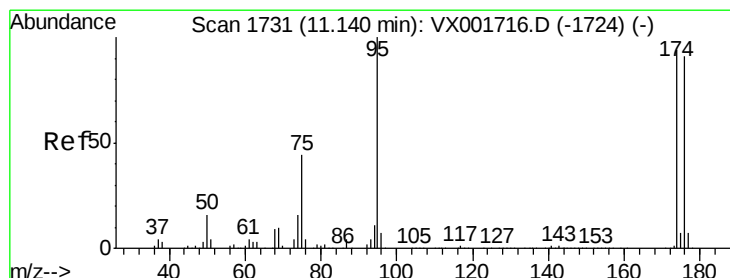
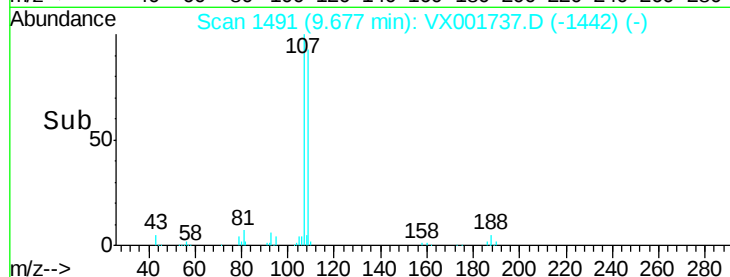
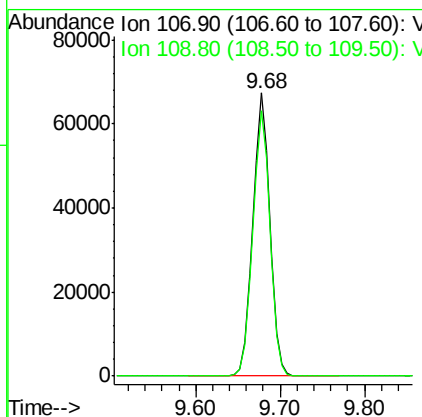
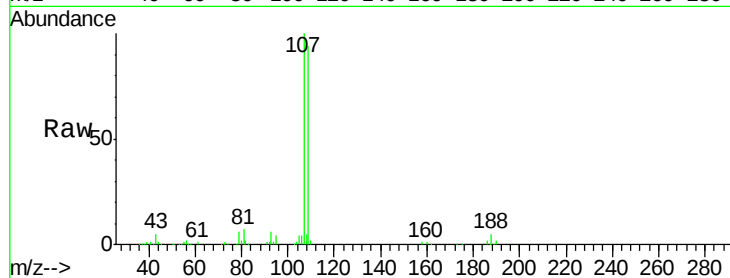
#61
 1,2-Dibromoethane
 Concen: 23.29 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	91893		
109	109	94.2	76.2	114.2	

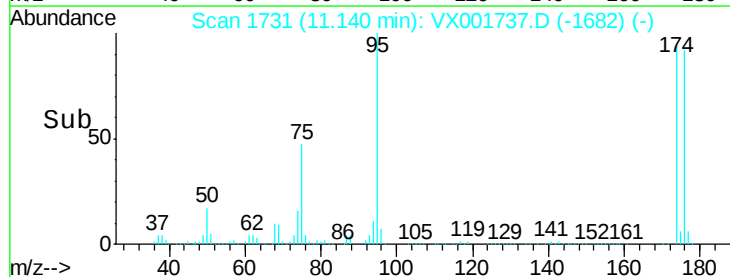
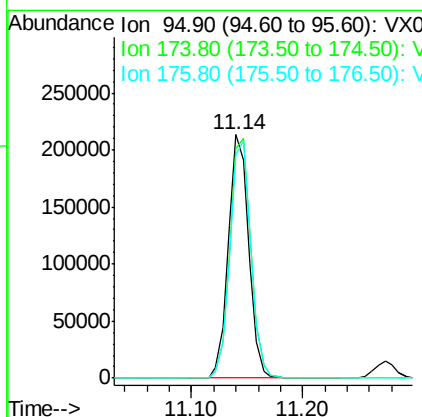
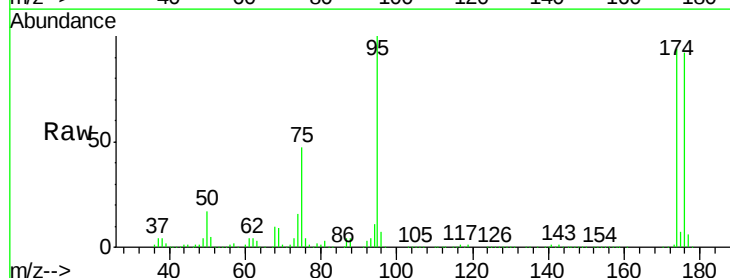
Manual Integrations
 APPROVED

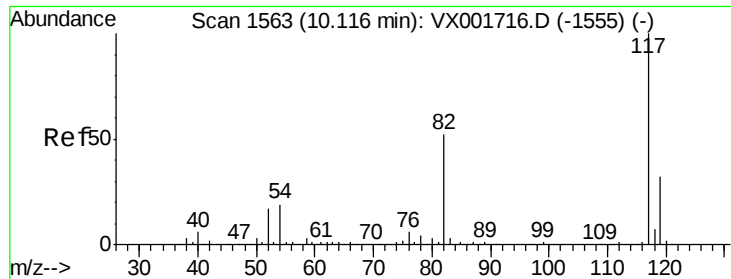
MMDadoda
 5/16/2018 11:54:14 AM



#62
 4-Bromofluorobenzene
 Concen: 54.63 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	95	100	268950		
174	174	102.0	0.0	201.8	
176	176	100.0	0.0	196.8	





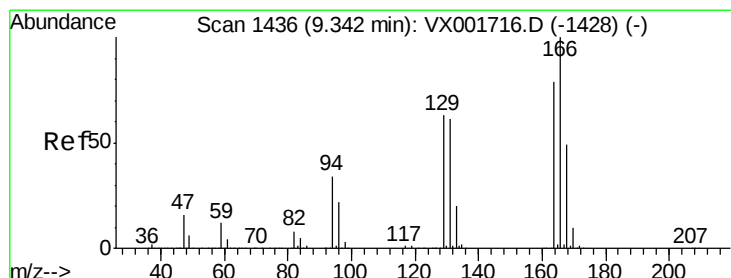
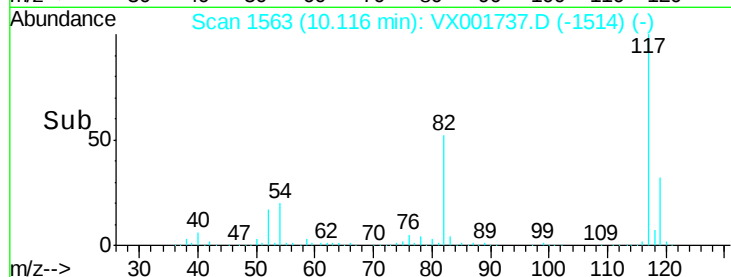
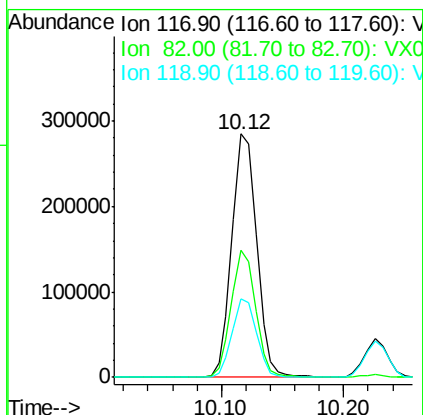
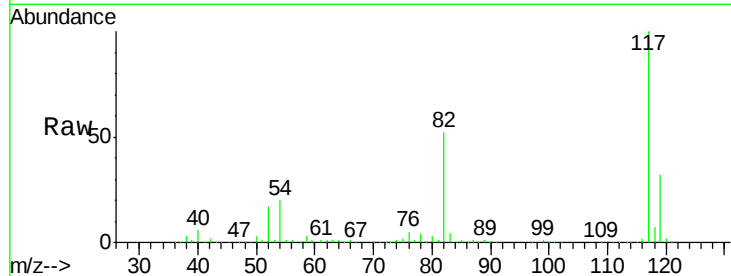
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.4	62.2
119	32.1	25.6	38.4

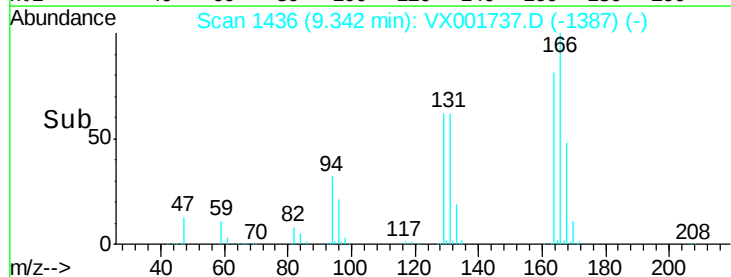
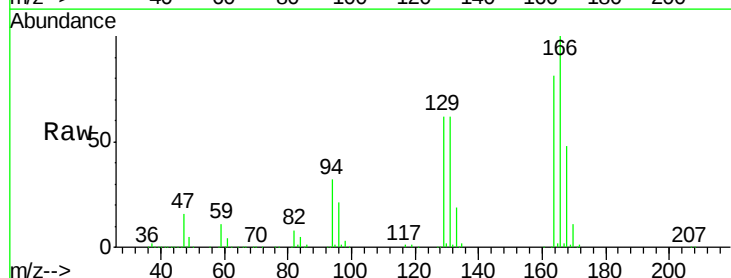
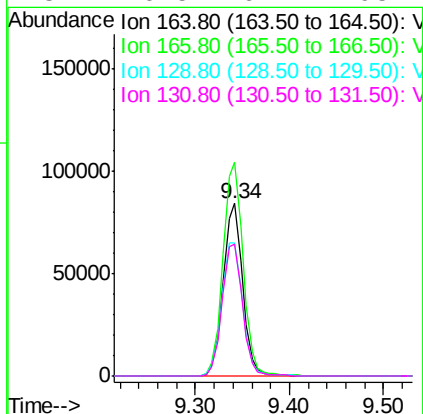
Manual Integrations
APPROVED

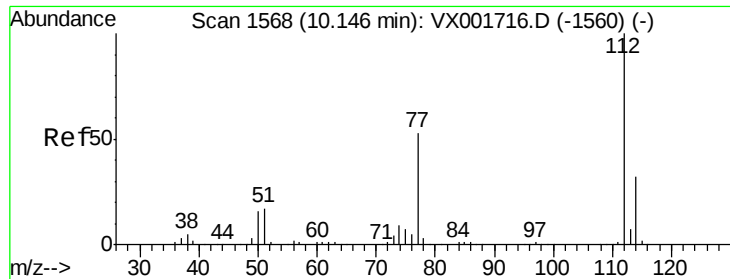
MMDadoda
5/16/2018 11:54:14 AM



#64
Tetrachloroethene
Concen: 22.96 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	101.8	152.8
129	77.3	63.8	95.6
131	76.5	62.2	93.2





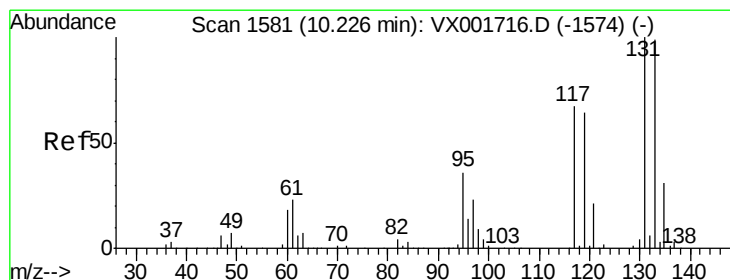
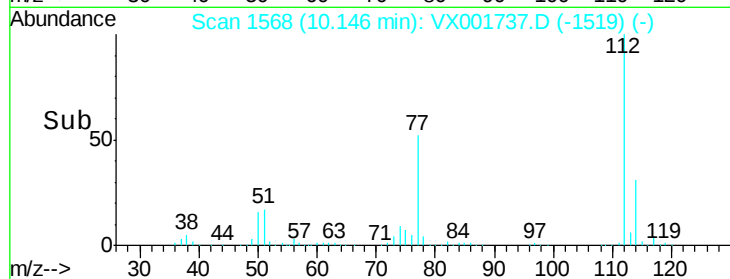
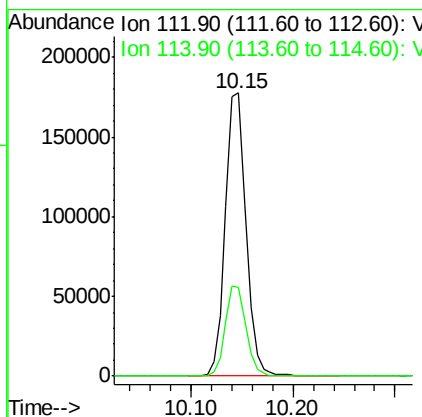
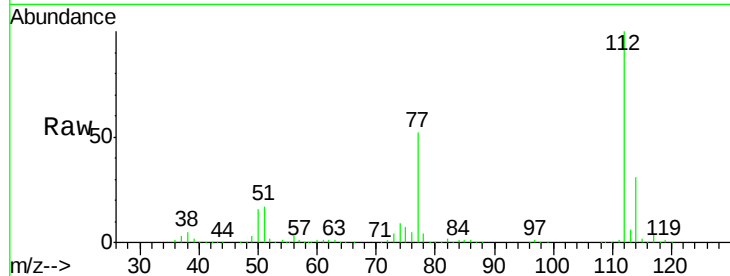
#65
Chlorobenzene
Concen: 22.60 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion:112 Resp: 250670
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

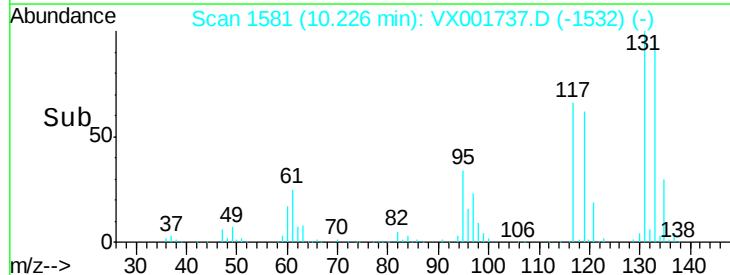
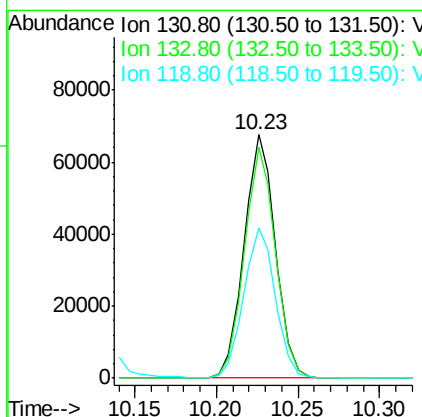
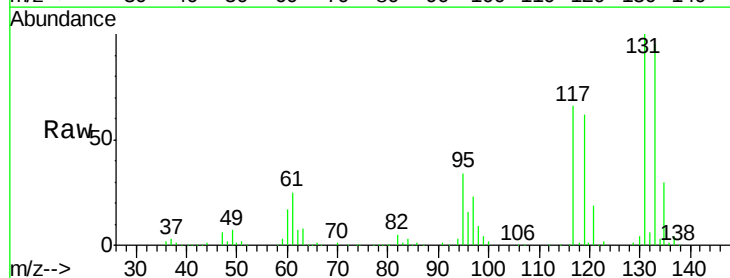
Manual Integrations
APPROVED

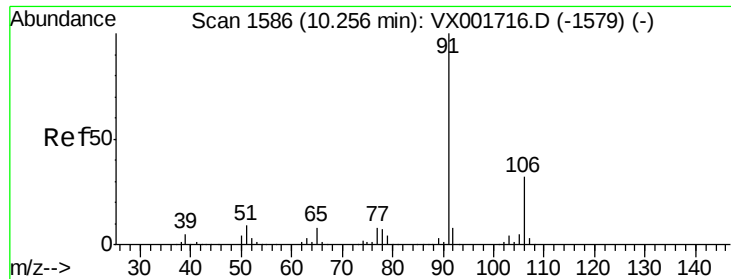
MMDadoda
5/16/2018 11:54:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.08 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion:131 Resp: 90413
Ion Ratio Lower Upper
131 100
133 94.1 48.5 145.6
119 62.4 31.9 95.5





#67

Ethyl Benzene

Concen: 23.20 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 91 Resp: 411131

Ion Ratio Lower Upper

91 100

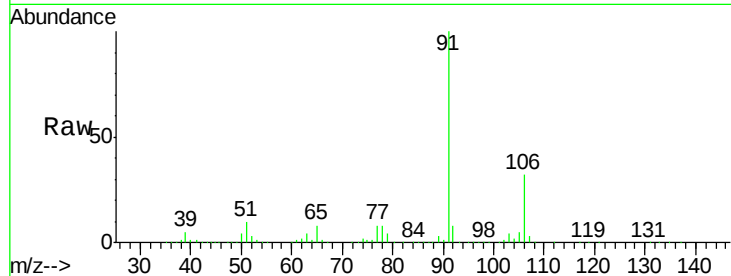
106 32.2 25.7 38.5

Manual Integrations

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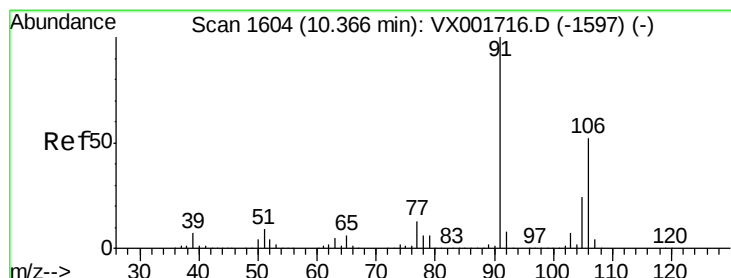
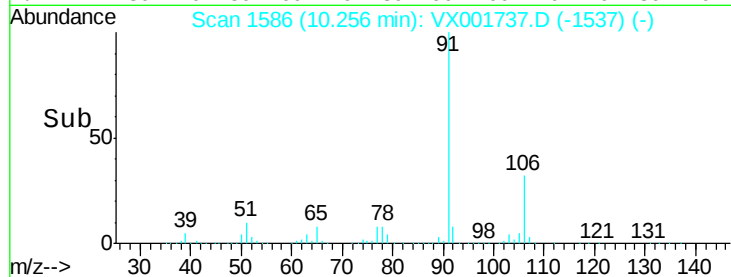
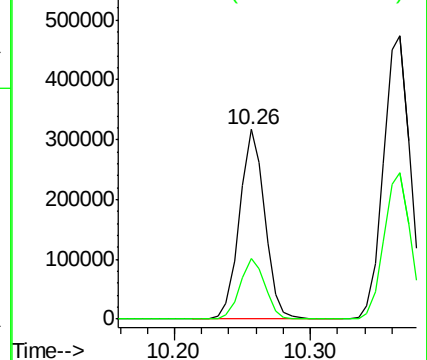
MMDadoda

5/16/2018 11:54:14 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 47.48 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX001737.D

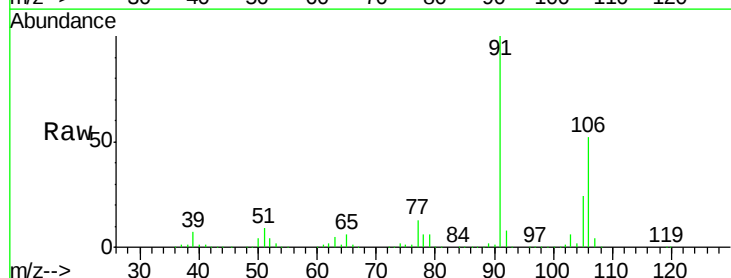
Acq: 15 May 2018 11:34

Tgt Ion: 106 Resp: 332037

Ion Ratio Lower Upper

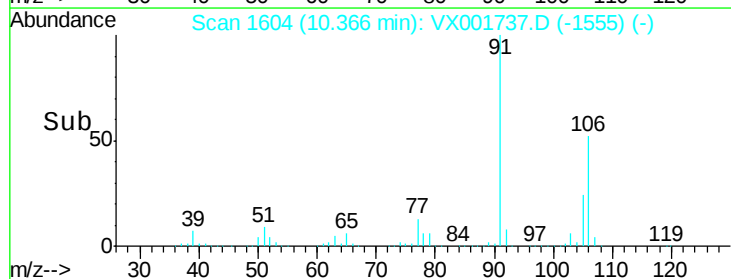
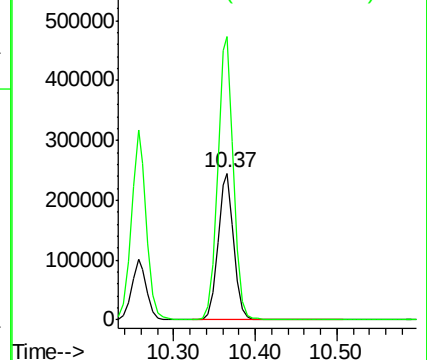
106 100

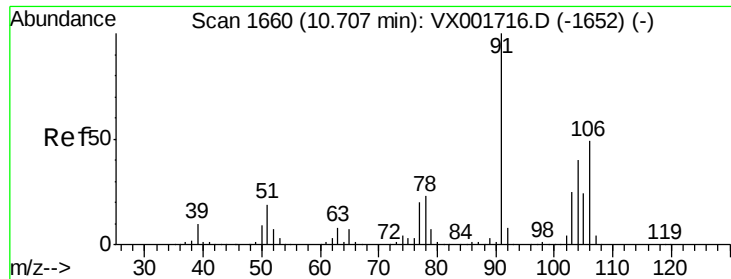
91 195.1 155.4 233.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





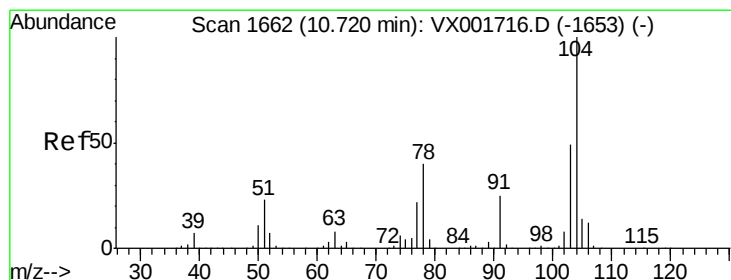
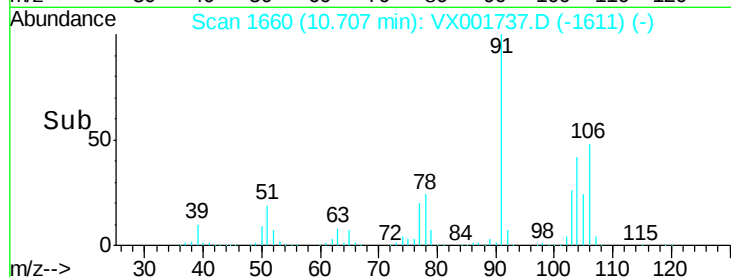
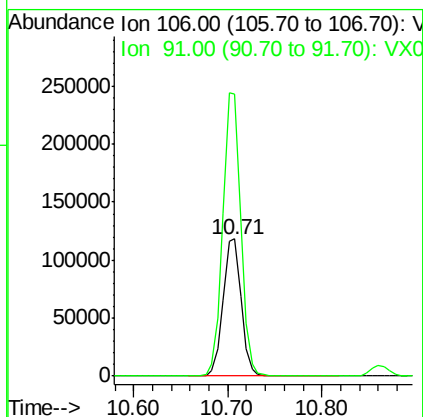
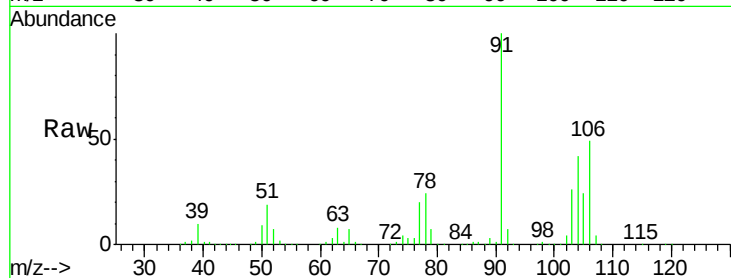
#69
o-Xylene
Concen: 23.55 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion:106 Resp: 157751
Ion Ratio Lower Upper
106 100
91 206.3 103.4 310.2

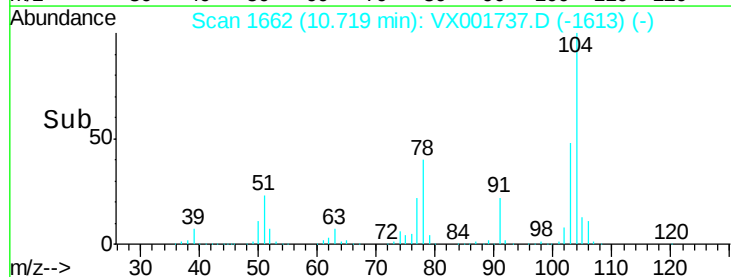
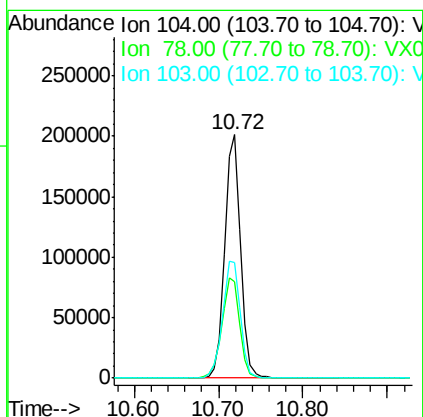
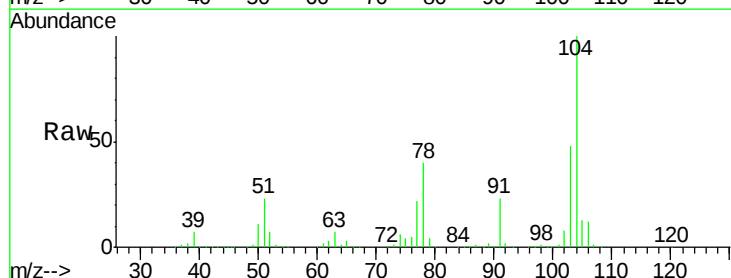
Manual Integrations
APPROVED

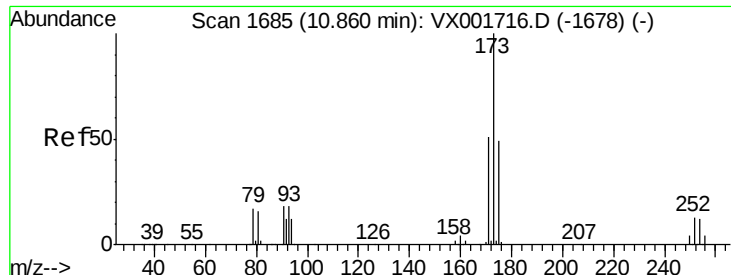
MMDadoda
5/16/2018 11:54:14 AM



#70
Styrene
Concen: 23.74 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion:104 Resp: 262193
Ion Ratio Lower Upper
104 100
78 46.5 37.3 55.9
103 54.2 43.7 65.5





#71

Bromoform

Concen: 21.67 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion:173 Resp: 72570

Ion Ratio Lower Upper

173 100

175 48.0 24.3 72.8

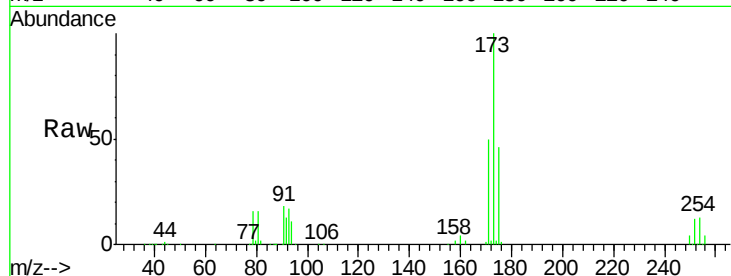
254 0.2 0.2 0.2#

Manual Integrations

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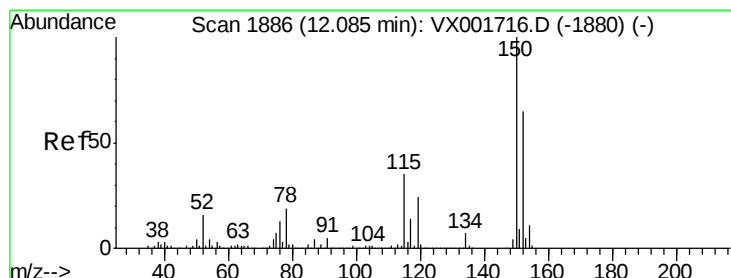
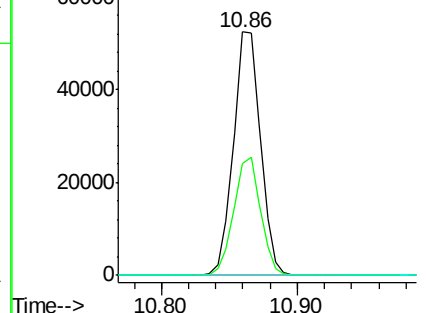
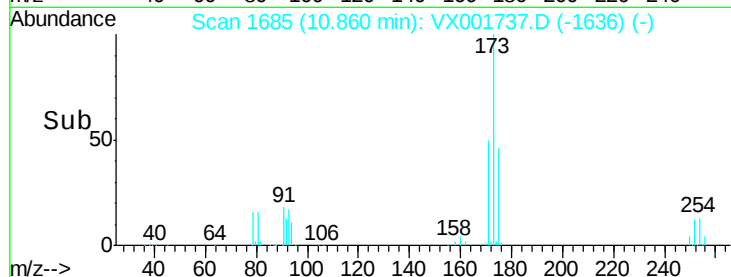
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

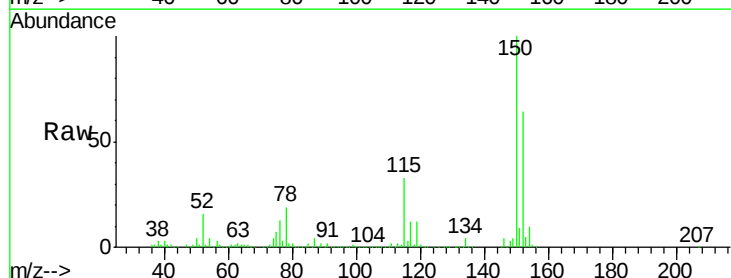
Tgt Ion:152 Resp: 269504

Ion Ratio Lower Upper

152 100

115 62.5 37.4 112.2

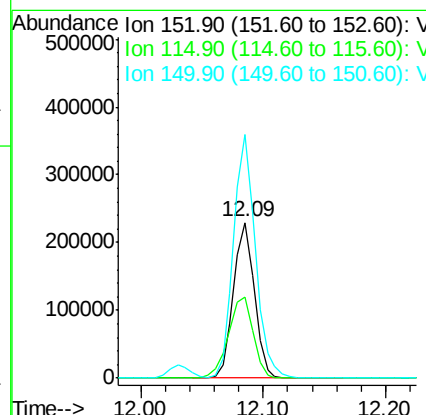
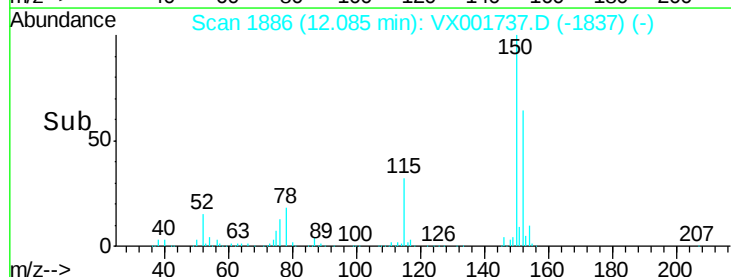
150 164.7 0.0 344.8



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: 24.16 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion:105 Resp: 428777

Ion Ratio Lower Upper

105 100

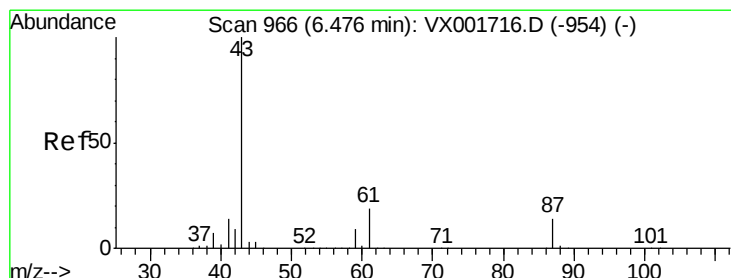
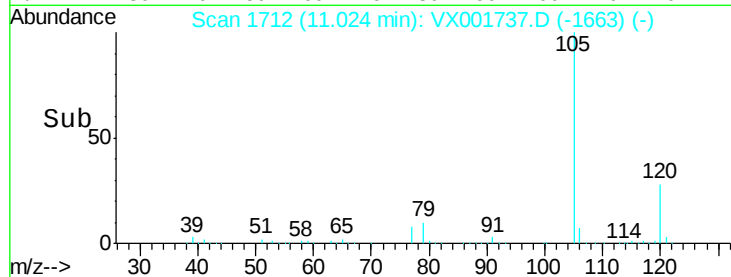
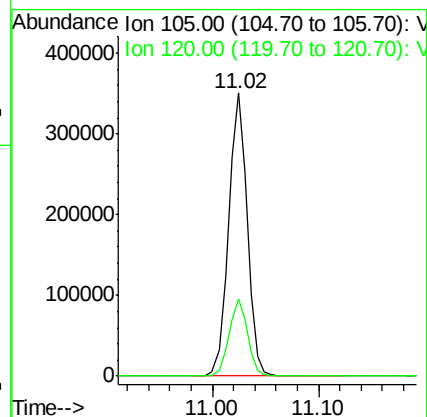
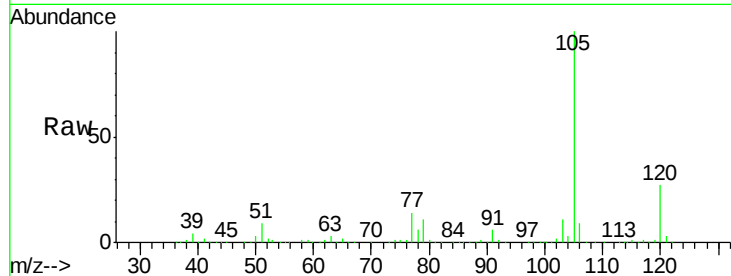
120 27.0 13.8 41.3

Manual Integrations

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MMDadoda

5/16/2018 11:54:14 AM



#74

N-ethyl acetate

Concen: 22.44 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion: 43 Resp: 190949

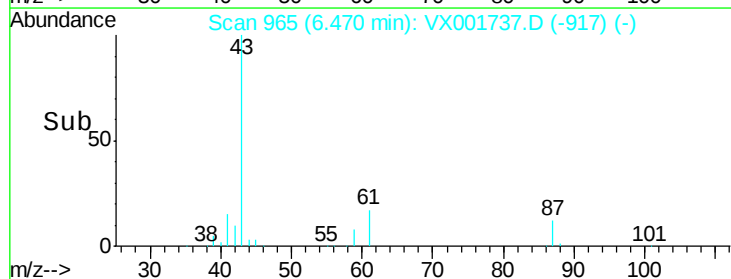
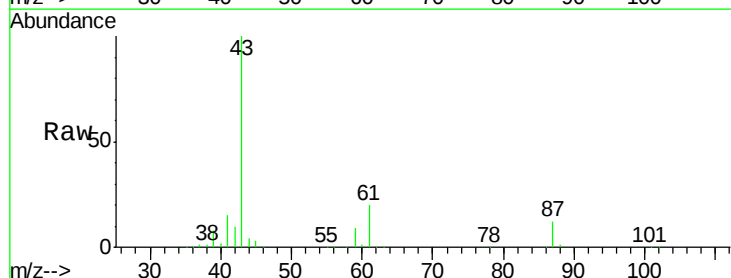
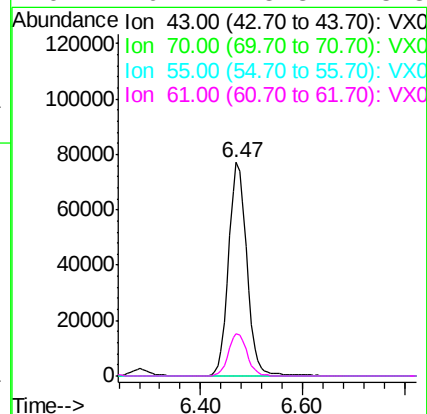
Ion Ratio Lower Upper

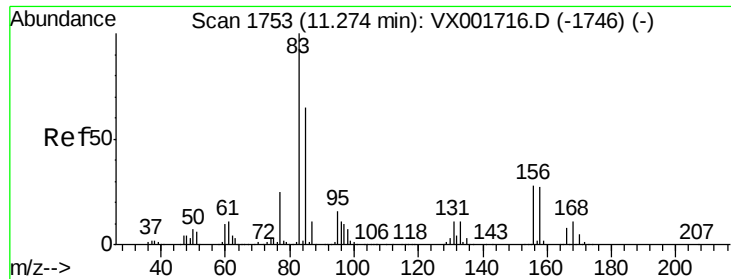
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 20.2 15.8 23.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.24 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

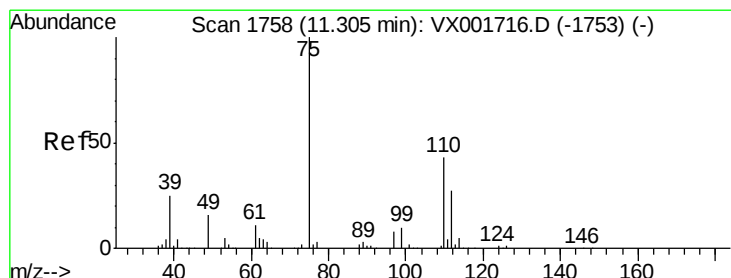
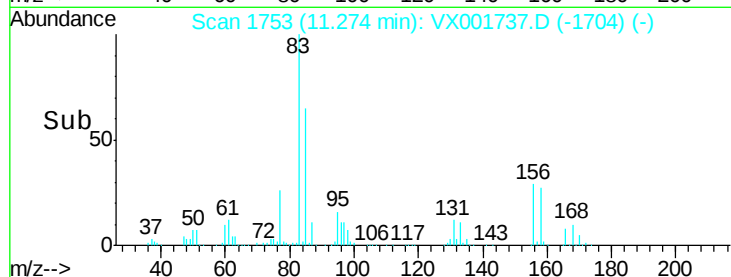
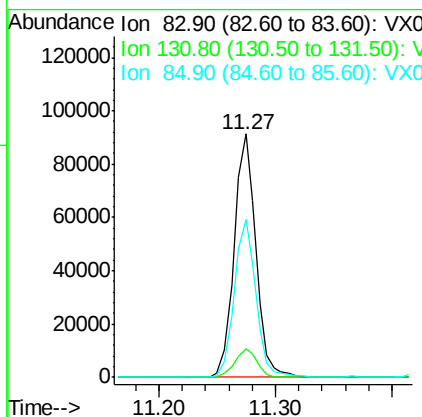
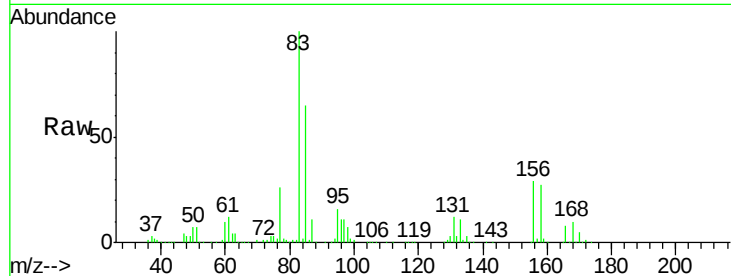
ClientSampleId :

VX0515WBS02

Tot Ion:	83	Resp:	118393
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.7	17.0
85	65.0	32.7	98.1

Manual Integrations
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5/16/2018 11:54:14 AM



#76

1,2,3-Trichloropropane

Concen: 23.14 ug/l m

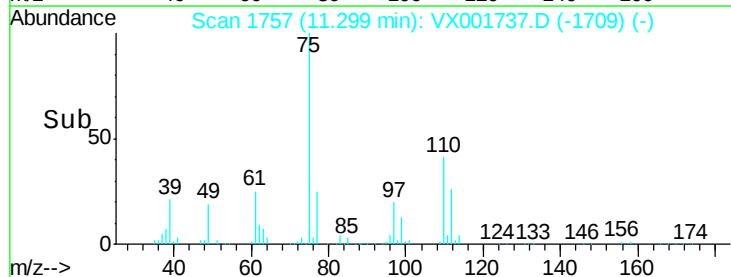
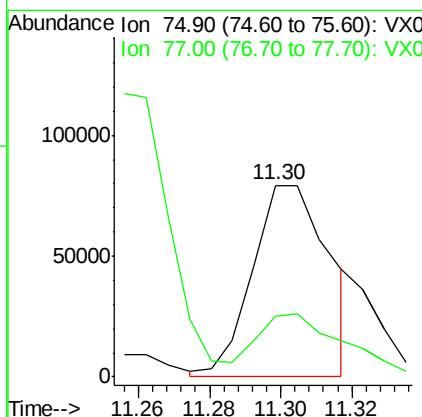
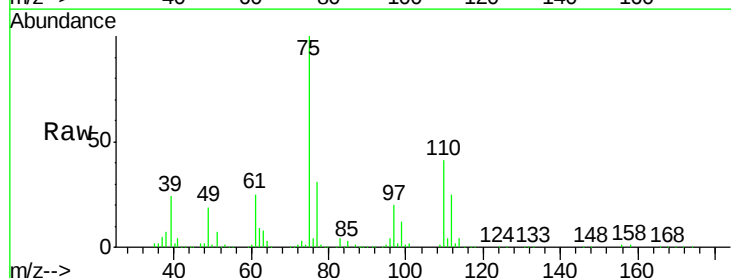
RT: 11.30 min Scan# 1757

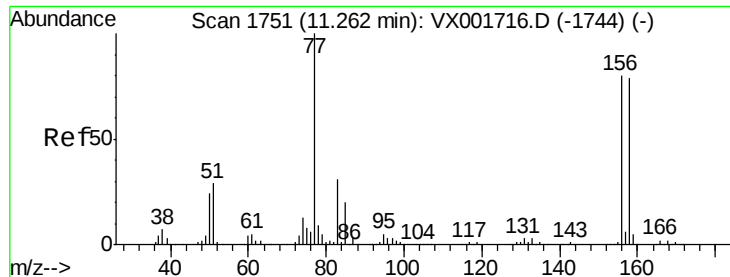
Delta R.T. -0.01 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion:	75	Resp:	118585
Ion Ratio	Lower	Upper	
75	100		
77	37.0	18.9	56.7





#77

Bromobenzene

Concen: 23.26 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

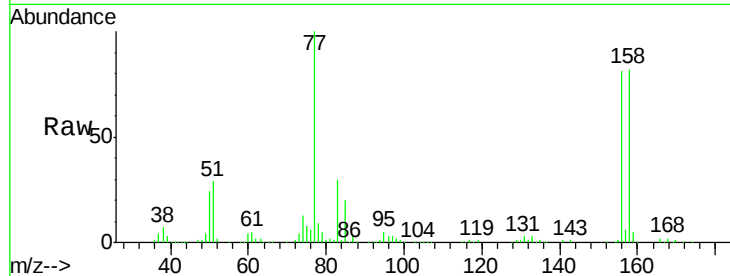
ClientSampleId :

VX0515WBS02

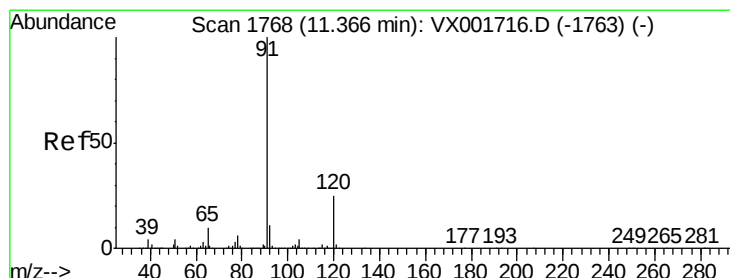
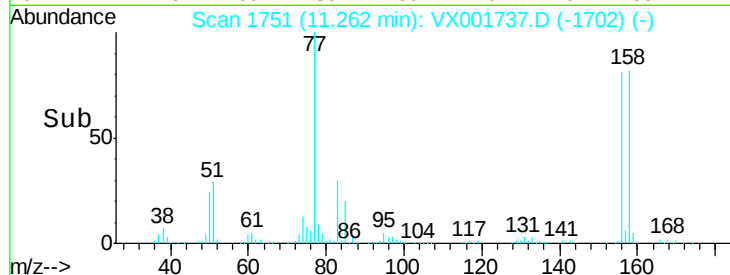
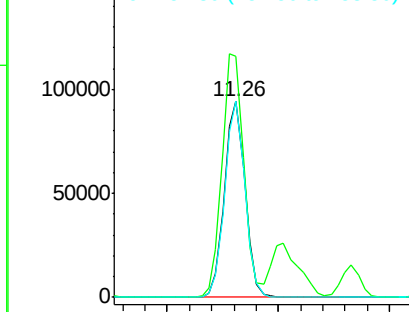
Tot Ion:	156	Resp:	121311
Ion Ratio	Lower	Upper	
156	100		
77	131.3	65.3	196.0
158	97.9	49.1	147.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.40 ug/l

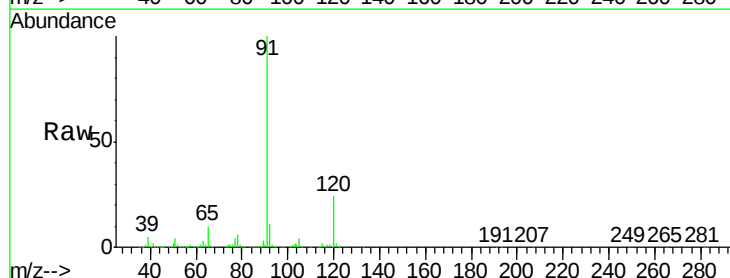
RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

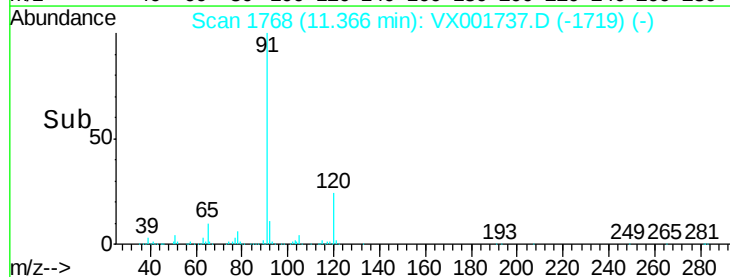
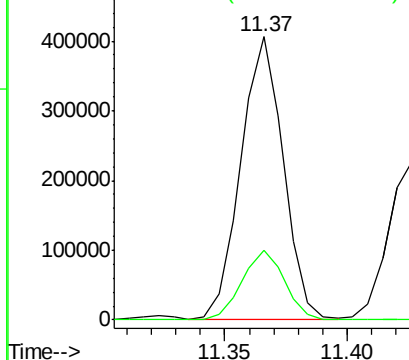
Lab File: VX001737.D

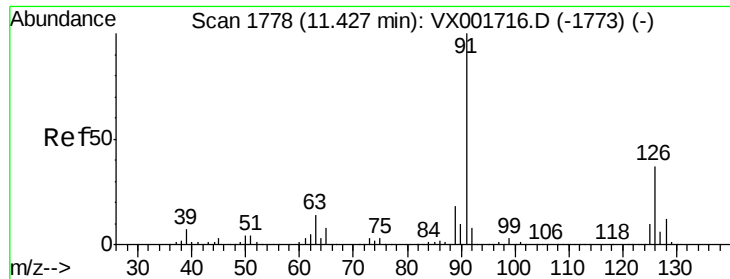
Acq: 15 May 2018 11:34

Tgt Ion:	91	Resp:	487942
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.70 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion: 91 Resp: 283445

Ion Ratio Lower Upper

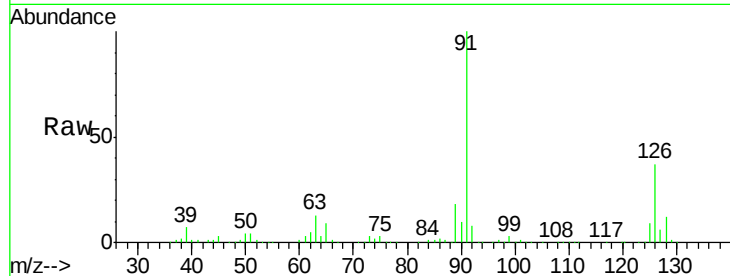
91 100

126 36.8 18.4 55.4

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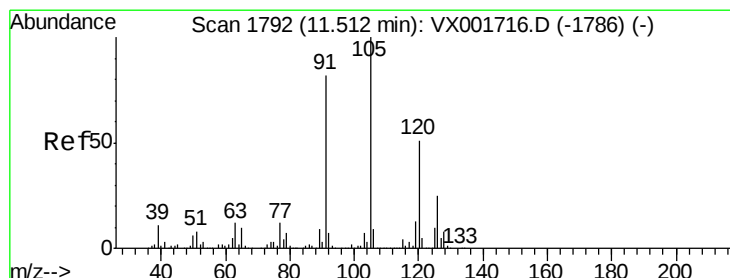
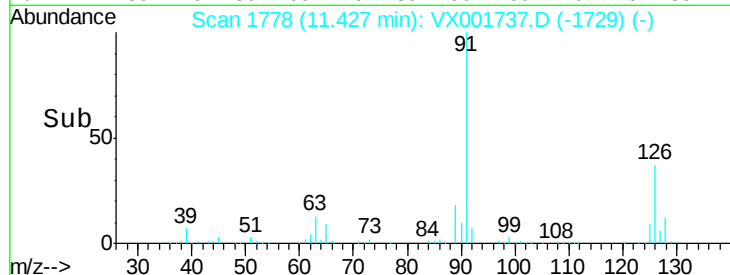
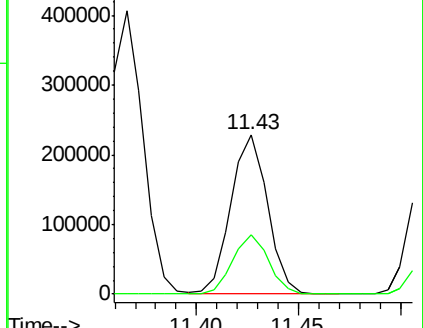
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 24.64 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001737.D

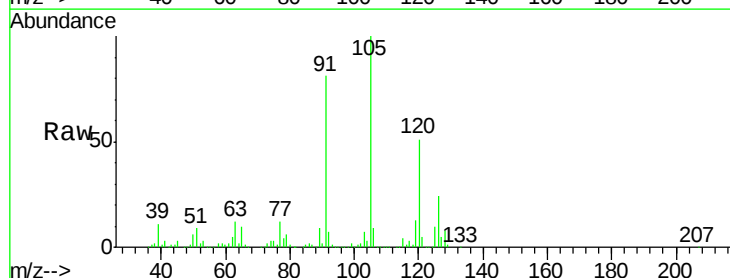
Acq: 15 May 2018 11:34

Tgt Ion:105 Resp: 358825

Ion Ratio Lower Upper

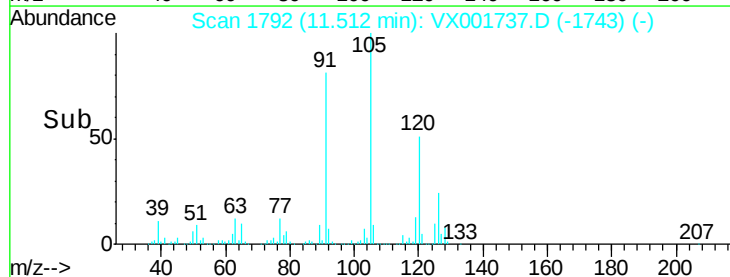
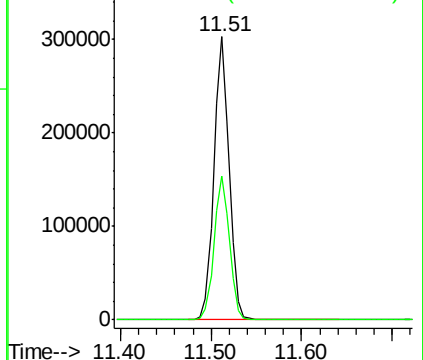
105 100

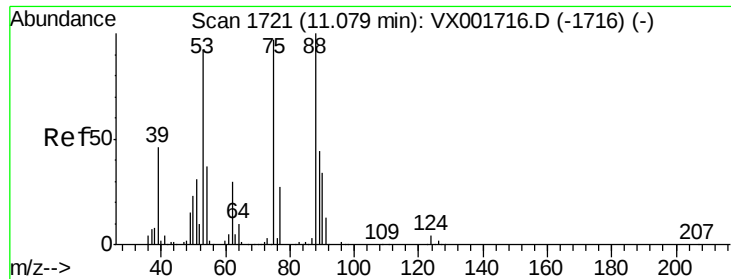
120 51.4 25.7 77.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





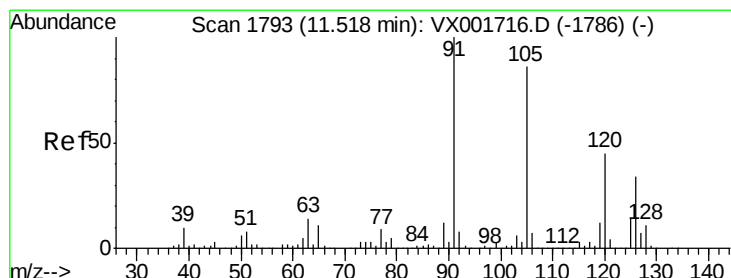
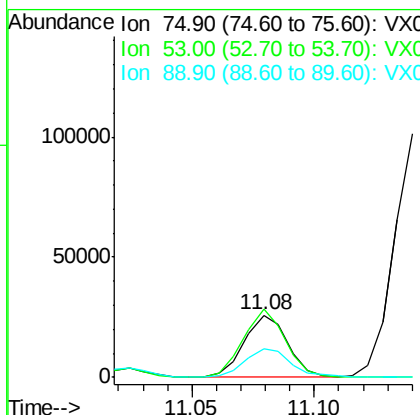
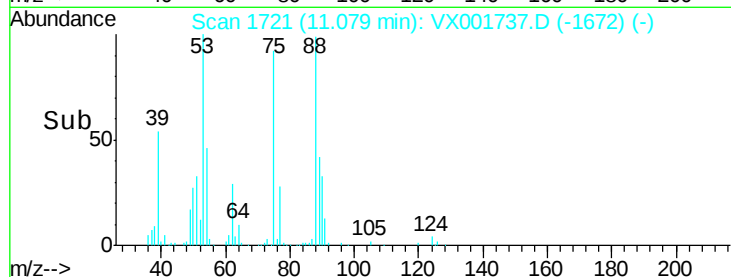
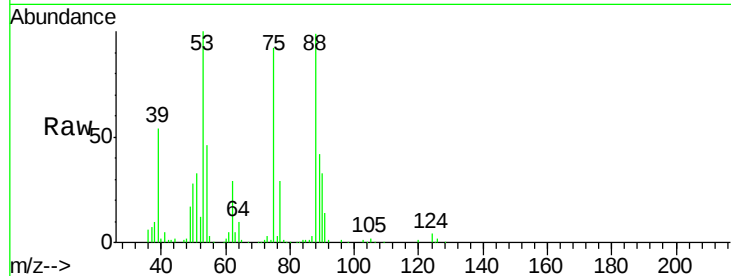
#81
trans-1,4-Dichloro-2-butene
Concen: 20.64 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.6	79.4	119.2
89	49.8	38.8	58.2

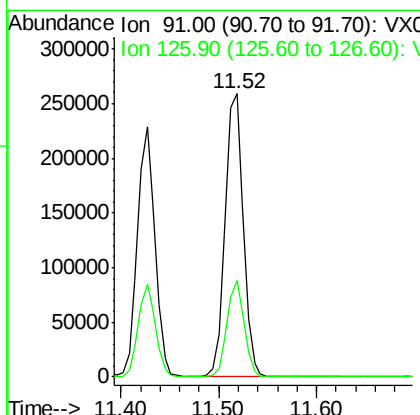
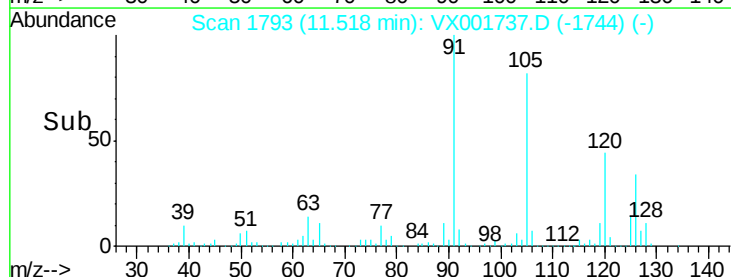
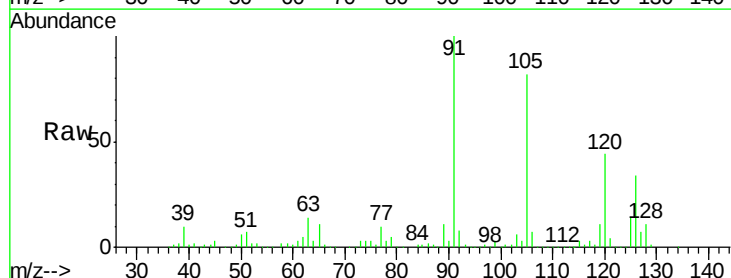
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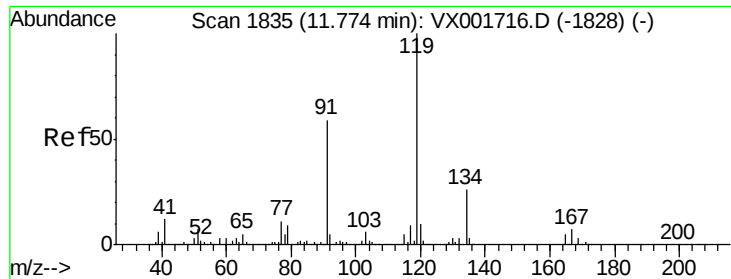
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#82
4-Chlorotoluene
Concen: 23.72 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.1





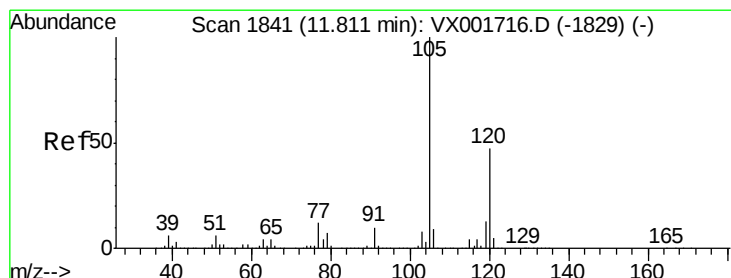
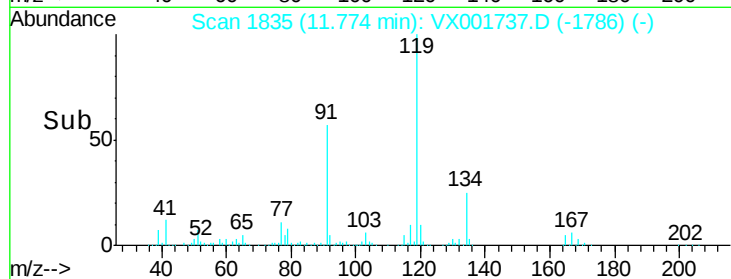
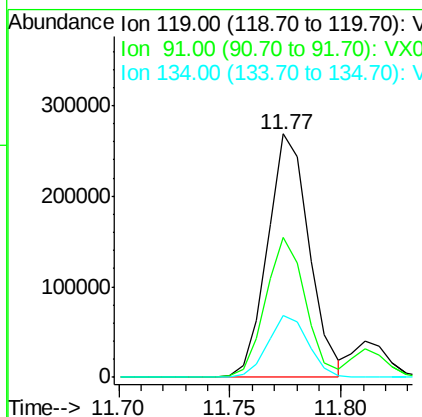
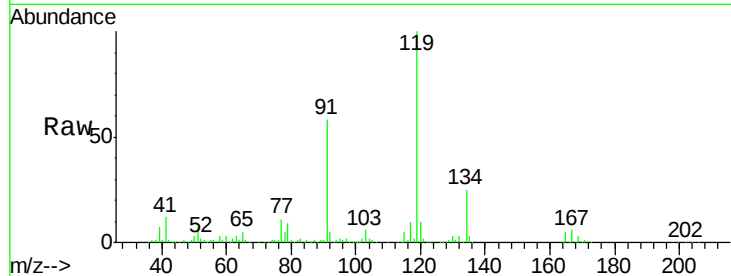
#83
tert-Butylbenzene
Concen: 24.06 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	348619		
91	55.3	27.7	83.0	
134	24.8	12.7	38.1	

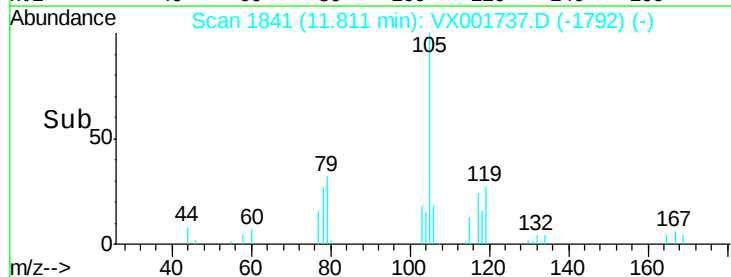
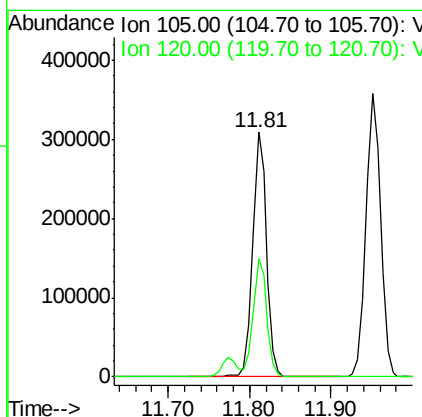
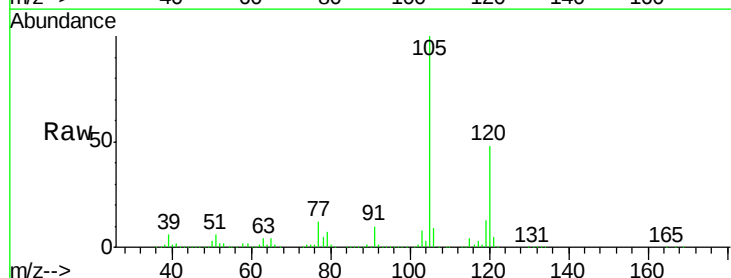
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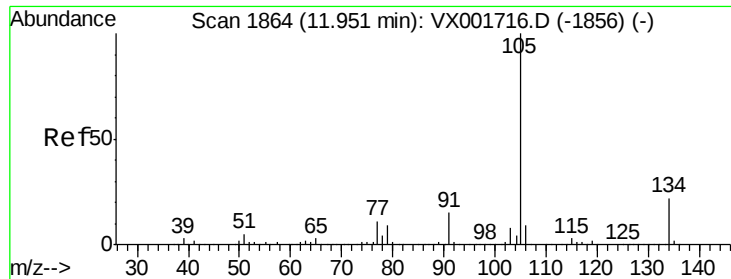
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#84
1,2,4-Trimethylbenzene
Concen: 24.50 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	369465		
120	47.3	23.5	70.5	





#85

sec-Butylbenzene

Concen: 24.49 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0515WBS02

Tot Ion:105 Resp: 438126

Ion Ratio Lower Upper

105 100

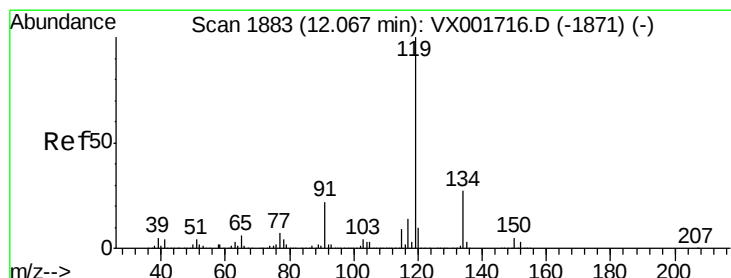
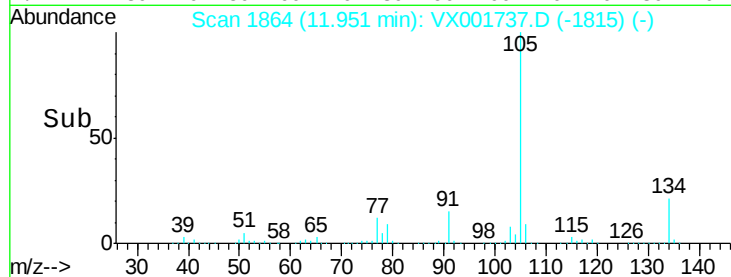
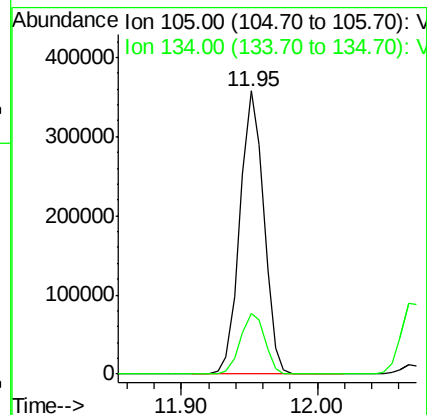
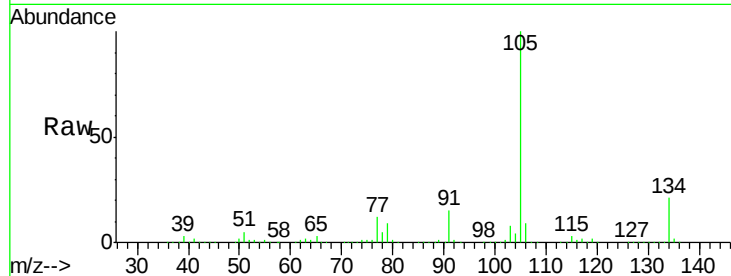
134 22.0 10.9 32.6

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#86

p-Isopropyltoluene

Concen: 24.60 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

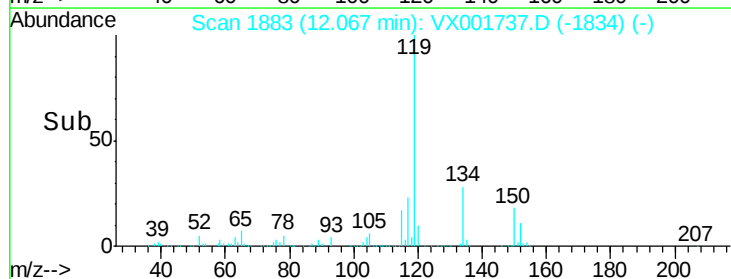
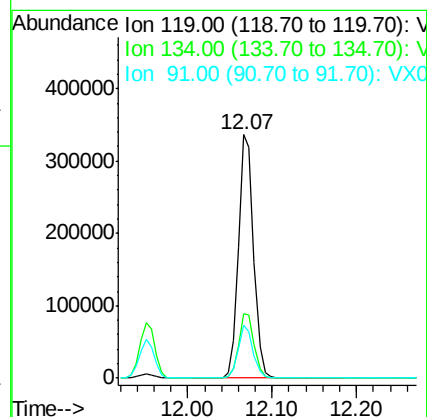
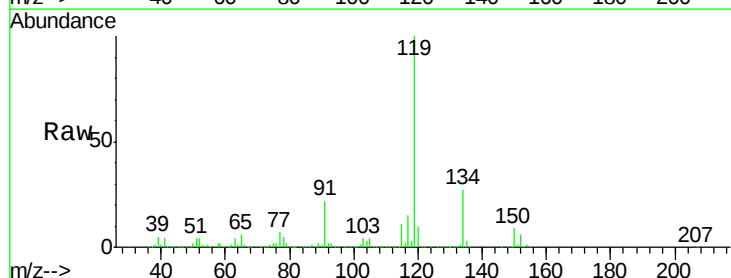
Tgt Ion:119 Resp: 407158

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.1 10.7 32.1





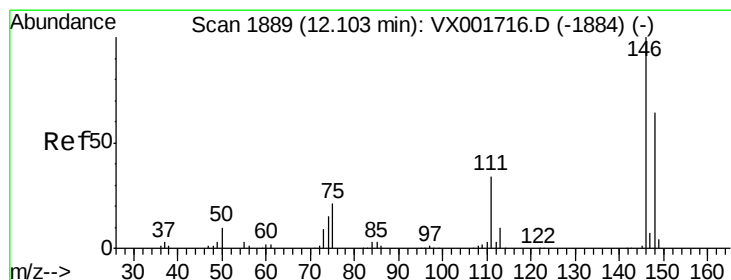
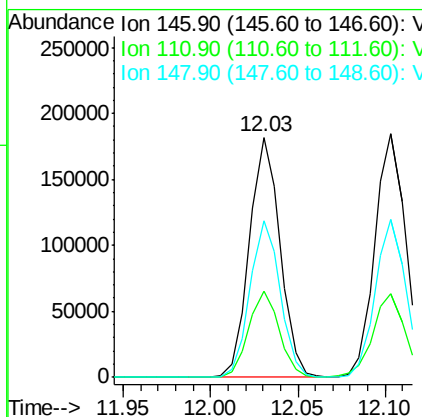
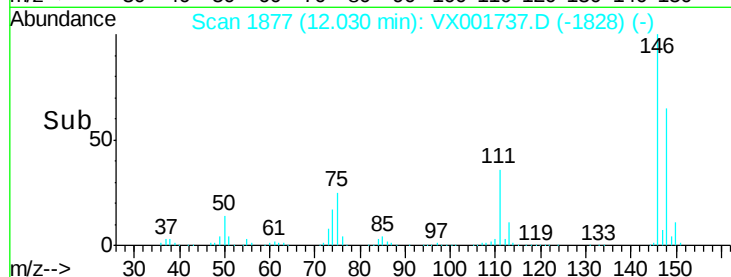
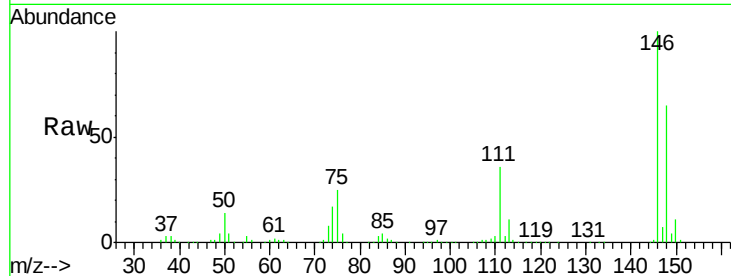
#87
 1,3-Dichlorobenzene
 Concen: 22.98 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.8	53.4
148	64.6	32.1	96.3

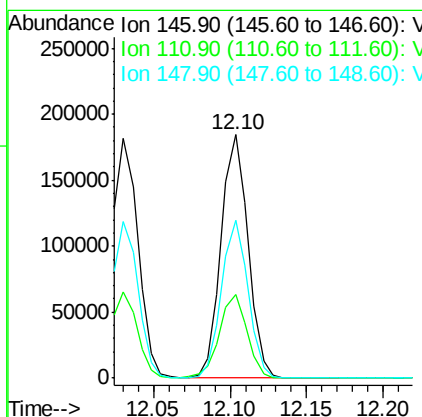
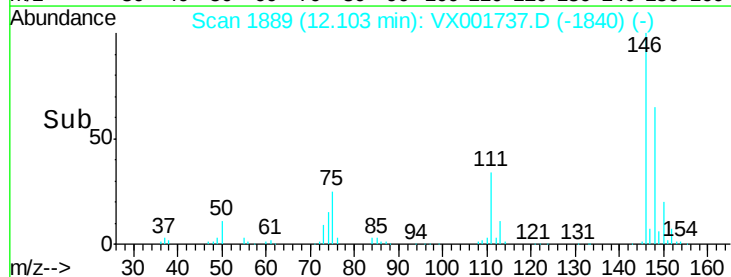
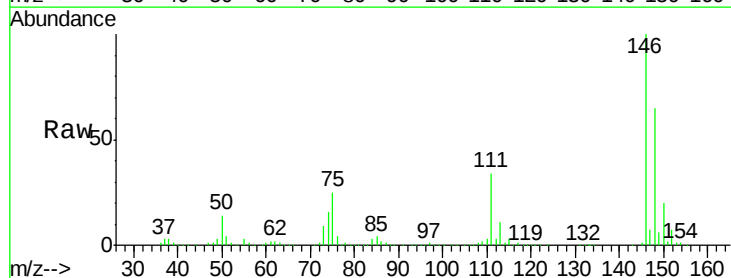
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#88
 1,4-Dichlorobenzene
 Concen: 22.59 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.3	52.0
148	64.5	32.3	96.9





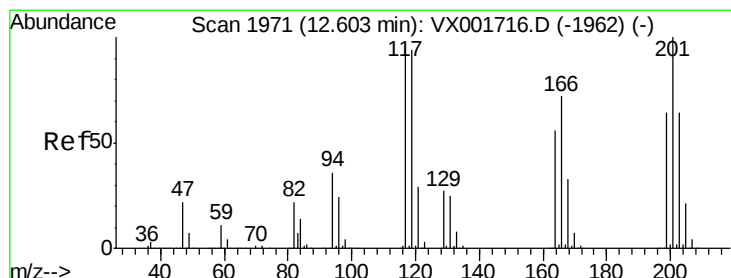
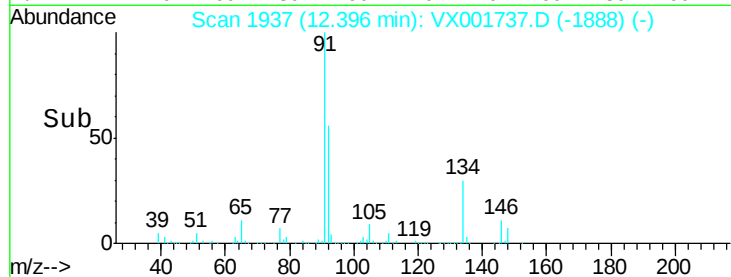
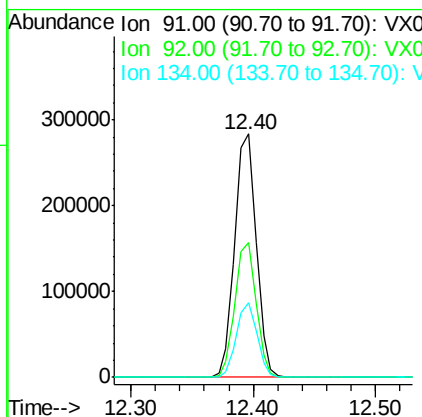
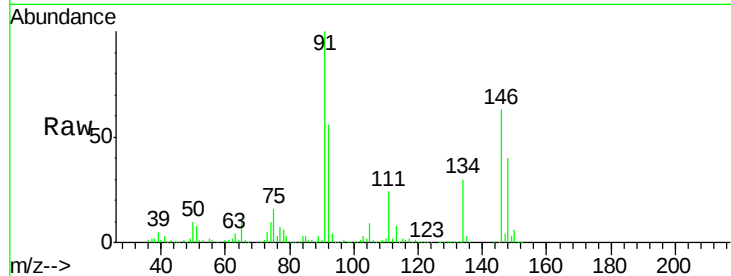
#89
n-Butylbenzene
Concen: 24.00 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0515WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	27.3	81.9	
134	29.2	14.7	44.1	

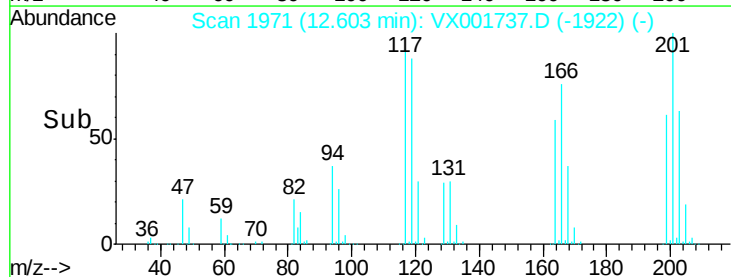
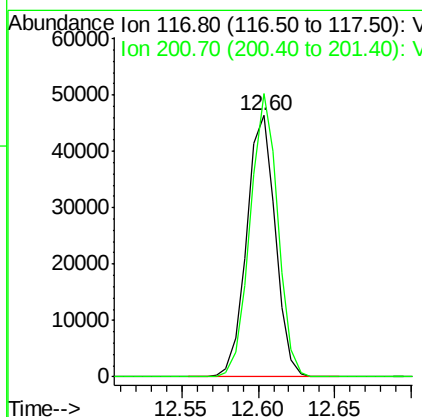
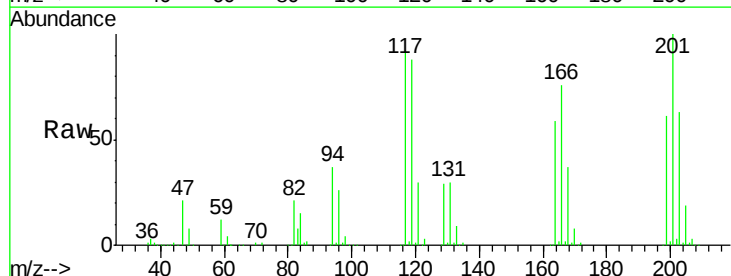
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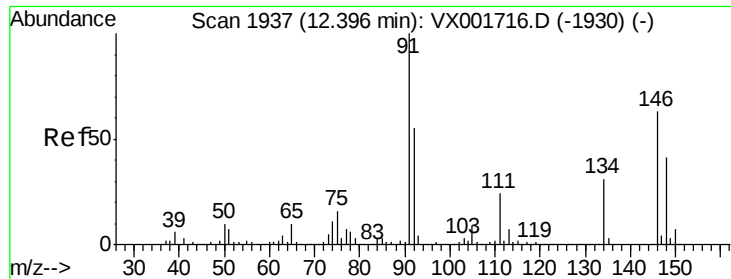
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#90
Hexachloroethane
Concen: 23.39 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001737.D
Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	104.6	51.9	155.7	





#91

1,2-Dichlorobenzene

Concen: 22.99 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

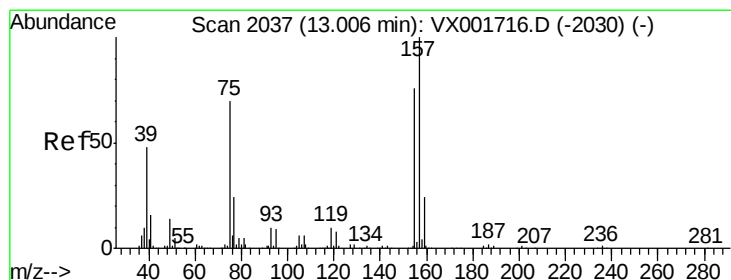
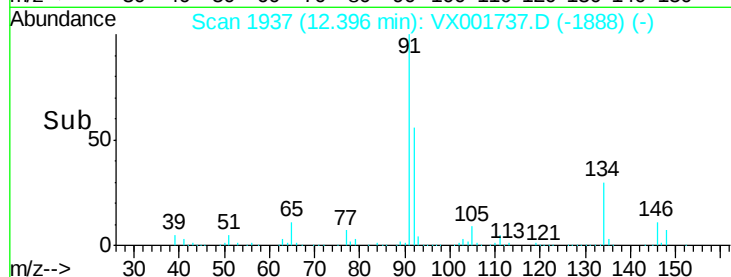
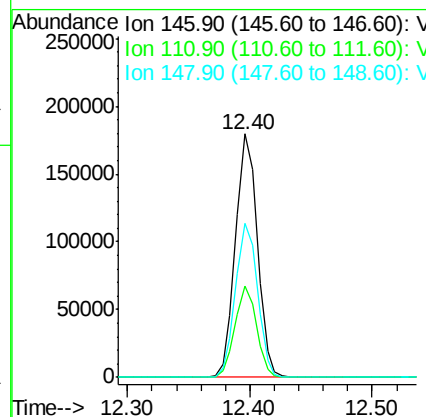
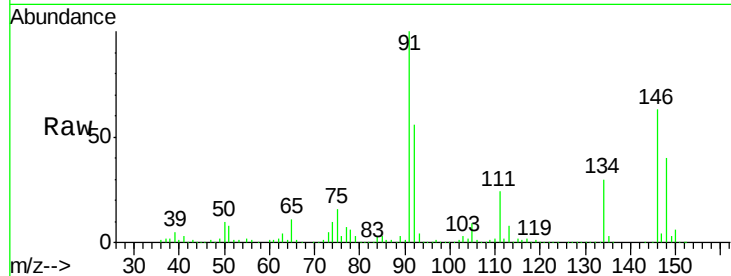
ClientSampleId :

VX0515WBS02

Tot Ion:	146	Resp:	220972
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.6	56.0
148	64.2	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.83 ug/l

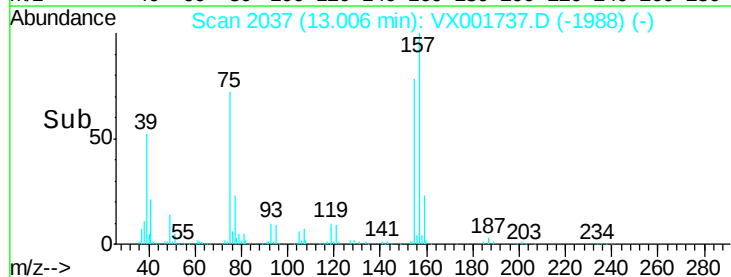
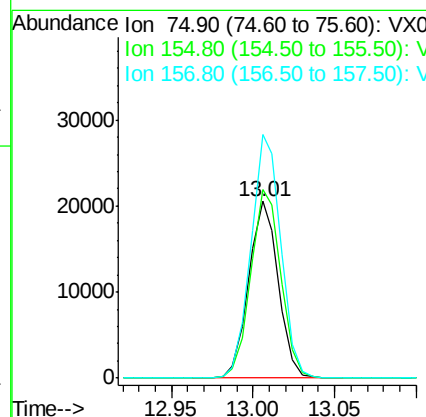
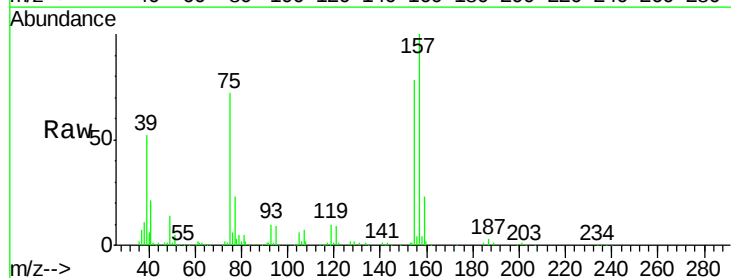
RT: 13.01 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion:	75	Resp:	25943
Ion Ratio	Lower	Upper	
75	100		
155	108.8	53.9	161.8
157	139.3	71.0	213.2





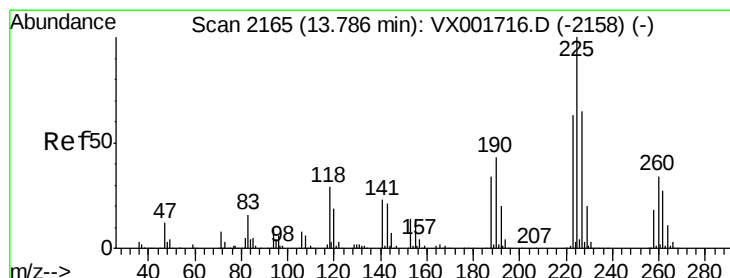
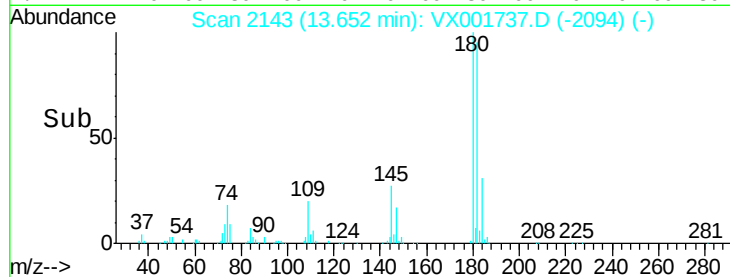
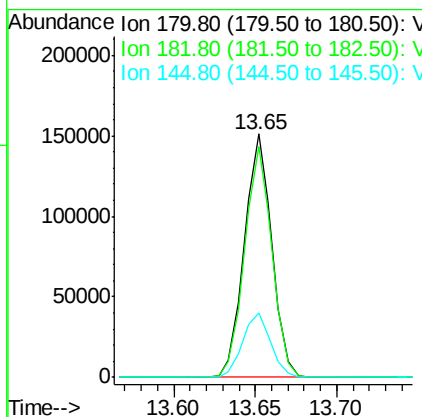
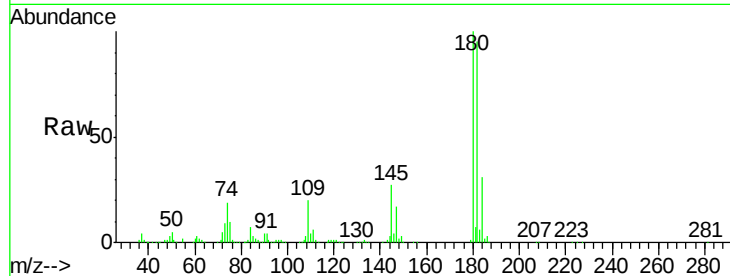
#93
 1,2,4-Trichlorobenzene
 Concen: 23.16 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	177428		
182	94.7	47.6	142.9	
145	26.8	13.4	40.1	

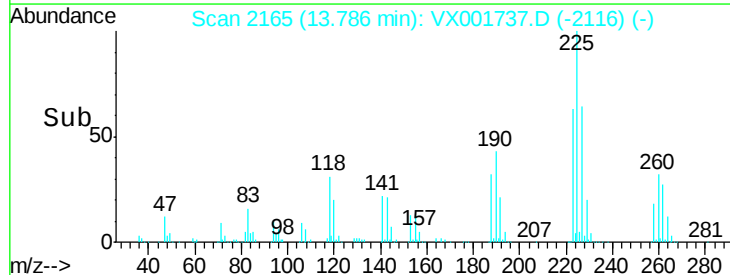
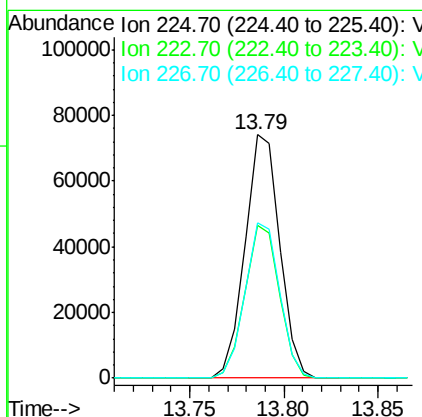
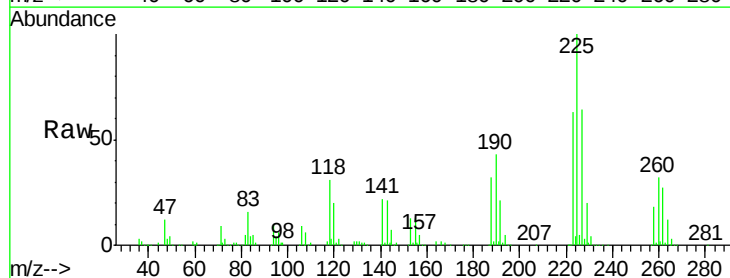
Manual Integrations
 APPROVED

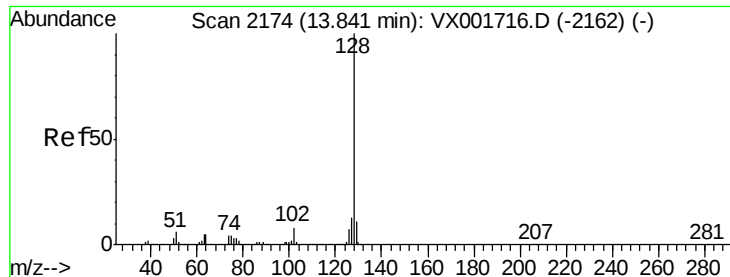
MMDadoda
 5/16/2018 11:54:14 AM



#94
 Hexachlorobutadiene
 Concen: 23.02 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001737.D
 Acq: 15 May 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94672		
223	62.5	31.1	93.5	
227	63.6	31.9	95.5	





#95

Naphthalene

Concen: 23.20 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Instrument :

MSVOA_X

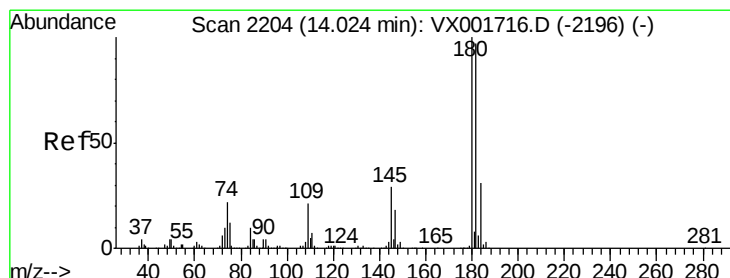
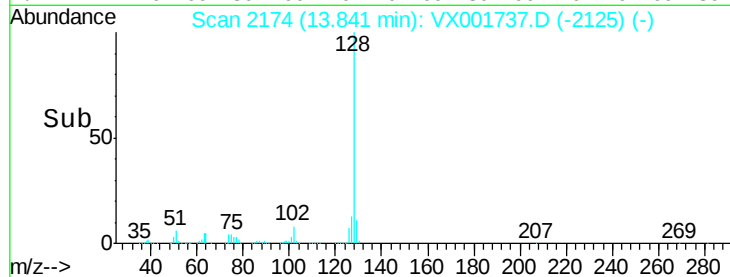
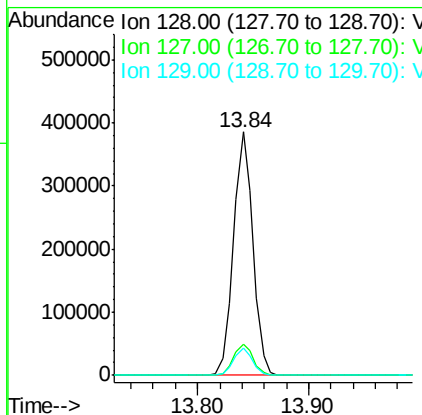
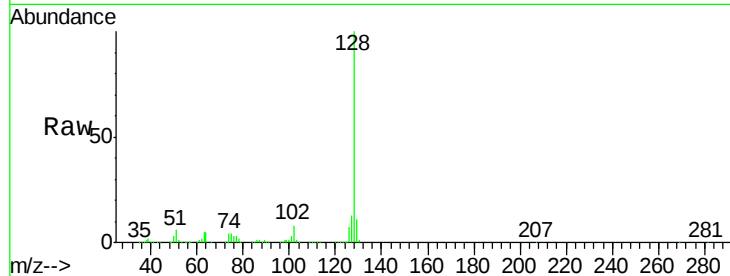
ClientSampleId :

VX0515WBS02

Tot Ion:	128	Resp:	461942
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/16/2018 11:54:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.93 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001737.D

Acq: 15 May 2018 11:34

Tgt Ion:	180	Resp:	176904
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.9	143.7
145	28.2	14.2	42.8

