

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
 Data File : VX006517.D
 Acq On : 14 Dec 2018 14:45
 Operator : JC/MD
 Sample : VX1214WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 12:12:19 PM

Quant Time: Dec 15 04:56:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	591667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	929164	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	851345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	442006	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	320594	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
35) Dibromofluoromethane	5.51	113	290624	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.71	98	1080174	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	409577	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	116072	20.036	ug/l	98
3) Chloromethane	1.33	50	123160	20.688	ug/l	98
4) Vinyl Chloride	1.41	62	133296	20.804	ug/l	97
5) Bromomethane	1.64	94	124589	28.058	ug/l	97
6) Chloroethane	1.72	64	83795	21.330	ug/l	96
7) Trichlorofluoromethane	1.93	101	206996	21.046	ug/l	99
8) Diethyl Ether	2.19	74	79512	21.361	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	122710	21.942	ug/l	99
10) Methyl Iodide	2.51	142	173475	20.583	ug/l	99
11) Tert butyl alcohol	3.07	59	167074	101.147	ug/l	100
12) 1,1-Dichloroethene	2.38	96	113936	21.281	ug/l	89
13) Acrolein	2.29	56	91215	101.034	ug/l	100
14) Allyl chloride	2.73	41	189732	17.940	ug/l	97
15) Acrylonitrile	3.15	53	345801	100.322	ug/l	99
16) Acetone	2.45	43	293448	103.527	ug/l	96
17) Carbon Disulfide	2.57	76	281270	17.049	ug/l	98
18) Methyl Acetate	2.78	43	192823	20.342	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	397159	20.795	ug/l	98
20) Methylene Chloride	2.86	84	126170	20.915	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	118748	20.813	ug/l	95
22) Diisopropyl ether	3.87	45	353110	21.376	ug/l	98
23) Vinyl Acetate	3.82	43	1426309	101.233	ug/l	99
24) 1,1-Dichloroethane	3.70	63	206456	21.866	ug/l	99
25) 2-Butanone	4.70	43	429617	106.224	ug/l	97
26) 2,2-Dichloropropane	4.59	77	156632	17.975	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	139395	21.904	ug/l	97
28) Bromochloromethane	5.02	49	85044	20.621	ug/l	99
29) Tetrahydrofuran	5.15	42	286834	102.044	ug/l	96
30) Chloroform	5.21	83	220624	22.235	ug/l	99
31) Cyclohexane	5.57	56	189278	21.692	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	190458	20.174	ug/l	99
36) 1,1-Dichloropropene	5.80	75	159201	20.346	ug/l	98
37) Ethyl Acetate	4.85	43	166844	19.041	ug/l	98
38) Carbon Tetrachloride	5.78	117	162230	17.624	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	209976	20.674	ug/l	96
40) Benzene	6.15	78	495727	21.153	ug/l	96
41) Methacrylonitrile	5.06	41	92392	19.162	ug/l	98
42) 1,2-Dichloroethane	6.20	62	166308	21.683	ug/l	99
43) Isopropyl Acetate	6.46	43	264186	18.083	ug/l	99
44) Trichloroethene	7.21	130	145475	20.491	ug/l	95
45) 1,2-Dichloropropane	7.52	63	120341	20.205	ug/l	99
46) Dibromomethane	7.66	93	86271	20.056	ug/l	96
47) Bromodichloromethane	7.90	83	149484	17.945	ug/l	97
48) Methyl methacrylate	7.77	41	132391	18.627	ug/l	96
49) 1,4-Dioxane	7.76	88	71675	409.171	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	840282	98.800	ug/l	97
52) Toluene	8.79	92	327990	21.273	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	160627	16.488	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	181762	17.968	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	137866	22.011	ug/l	98
56) Ethyl methacrylate	9.18	69	193038	19.714	ug/l	97
57) 1,3-Dichloropropane	9.37	76	210842	21.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	465977	93.777	ug/l	99
59) 2-Hexanone	9.49	43	644286	99.156	ug/l	99
60) Dibromochloromethane	9.59	129	126174	16.336	ug/l	98
61) 1,2-Dibromoethane	9.67	107	143811	20.534	ug/l	98
64) Tetrachloroethene	9.34	164	136814	21.339	ug/l	98
65) Chlorobenzene	10.14	112	382263	21.152	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	127024	18.090	ug/l	98
67) Ethyl Benzene	10.25	91	621393	20.673	ug/l	100
68) m/p-Xylenes	10.36	106	496597	41.245	ug/l	100
69) o-Xylene	10.70	106	252337	21.217	ug/l	97
70) Styrene	10.71	104	392451	20.403	ug/l	99
71) Bromoform	10.86	173	91030	13.733	ug/l #	100
73) Isopropylbenzene	11.02	105	649481	21.277	ug/l	100
74) N-amyl acetate	10.90	43	241839	18.399	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	199457	20.425	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	183098m	21.462	ug/l	
77) Bromobenzene	11.26	156	174281	20.574	ug/l	97
78) n-propylbenzene	11.36	91	710320	20.934	ug/l	99
79) 2-Chlorotoluene	11.42	91	429332	21.289	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	532255	20.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47630	13.101	ug/l #	79
82) 4-Chlorotoluene	11.51	91	489993	20.897	ug/l	100
83) tert-Butylbenzene	11.77	119	560733	20.693	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	552601	21.072	ug/l	100
85) sec-Butylbenzene	11.94	105	653771	21.207	ug/l	100
86) p-Isopropyltoluene	12.06	119	577325	20.798	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	313244	20.782	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	310526	20.297	ug/l	98
89) n-Butylbenzene	12.39	91	472091	19.932	ug/l	99
90) Hexachloroethane	12.60	117	87387	15.446	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	311140	20.799	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38627	15.431	ug/l	98

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ClientSampleId :
VX1214WBSD01

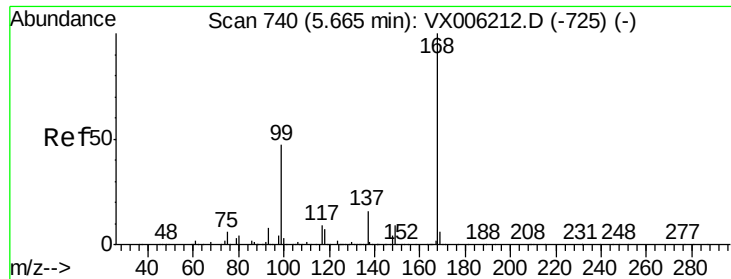
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	212194	19.443	ug/l	98
94) Hexachlorobutadiene	13.78	225	97901	20.284	ug/l	99
95) Naphthalene	13.83	128	702308	20.687	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	214982	19.888	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion:168 Resp: 591667

Ion Ratio Lower Upper

168 100

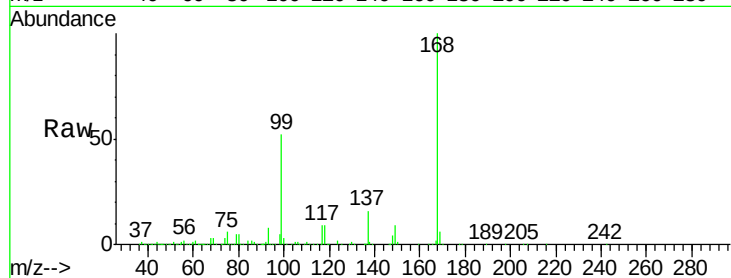
99 51.9 37.8 56.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

50000

0

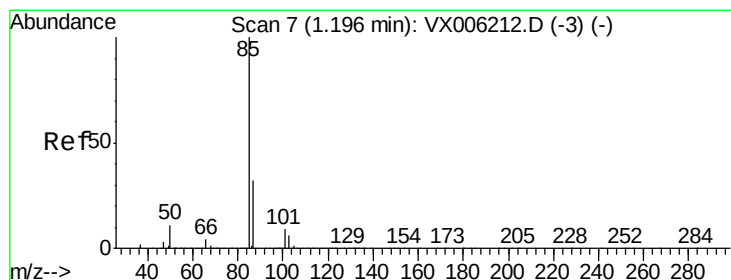
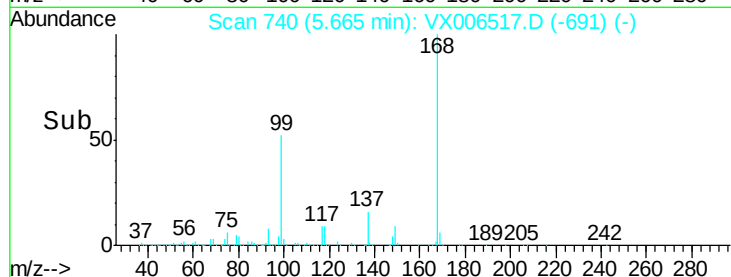
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.036 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006517.D

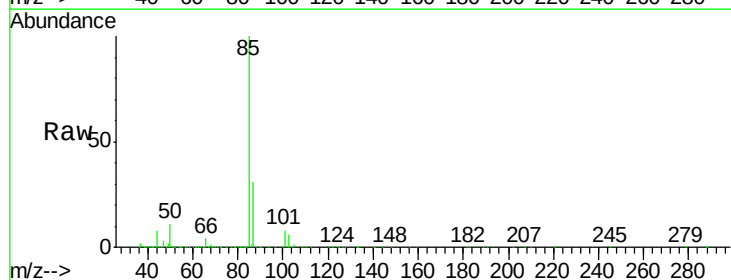
Acq: 14 Dec 2018 14:45

Tgt Ion: 85 Resp: 116072

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

40000

20000

0

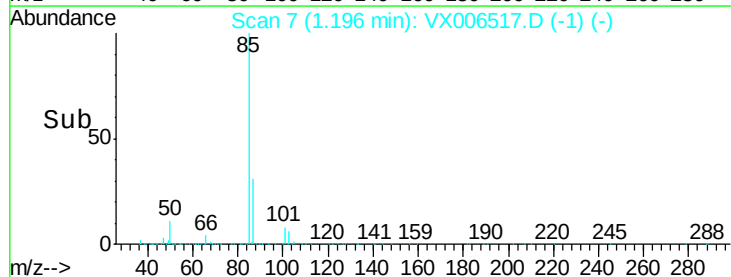
1.15

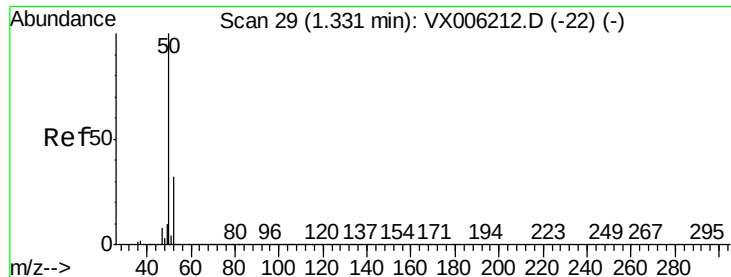
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 20.688 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 50 Resp: 123160

Ion Ratio Lower Upper

50 100

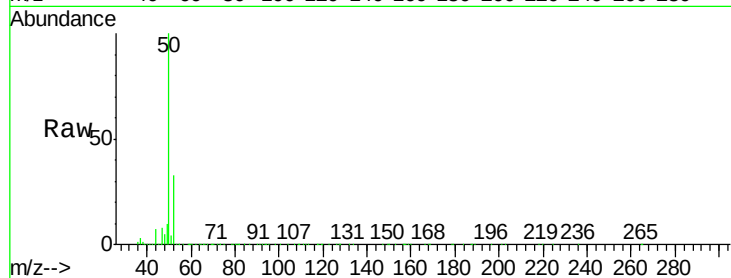
52 32.7 25.2 37.8

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

120000

100000

80000

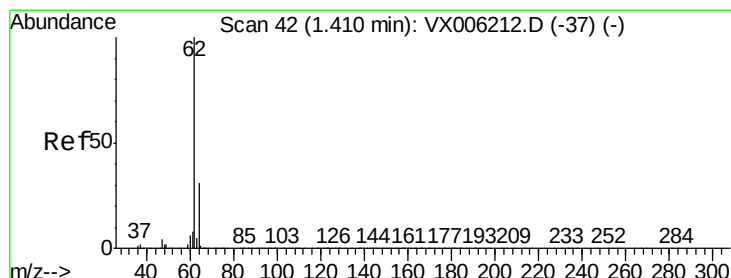
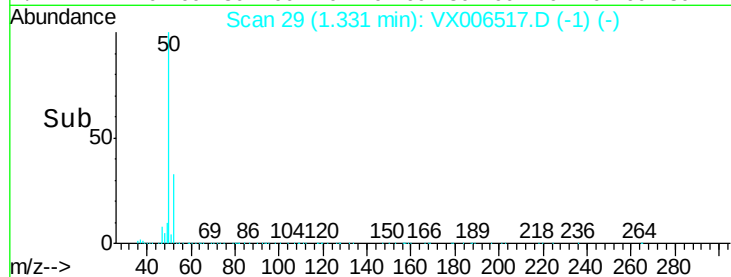
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.804 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006517.D

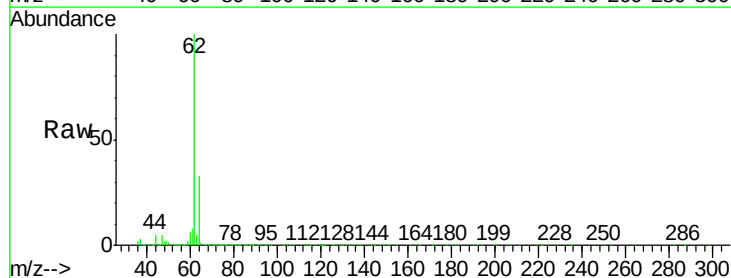
Acq: 14 Dec 2018 14:45

Tgt Ion: 62 Resp: 133296

Ion Ratio Lower Upper

62 100

64 32.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

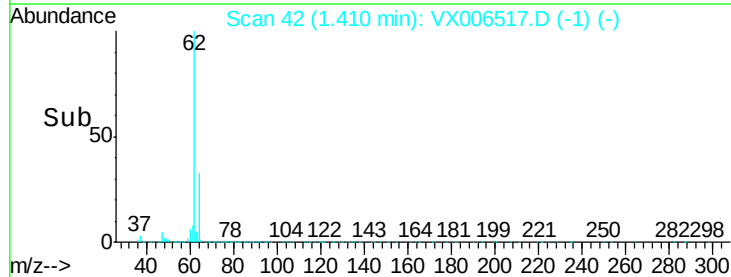
150000

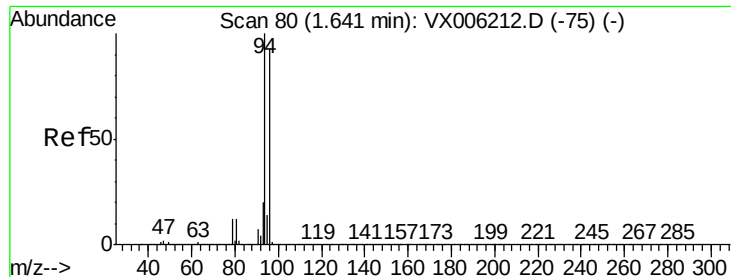
100000

50000

0

Time-->





#5

Bromomethane

Concen: 28.058 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 94 Resp: 124589

Ion Ratio Lower Upper

94 100

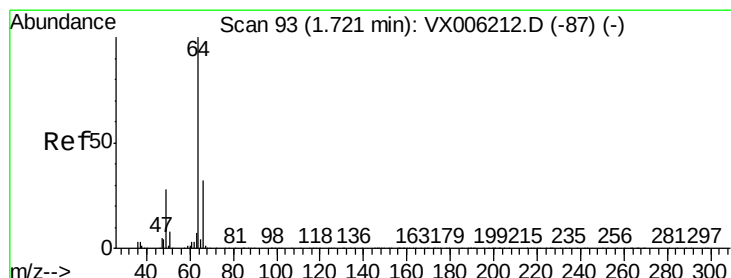
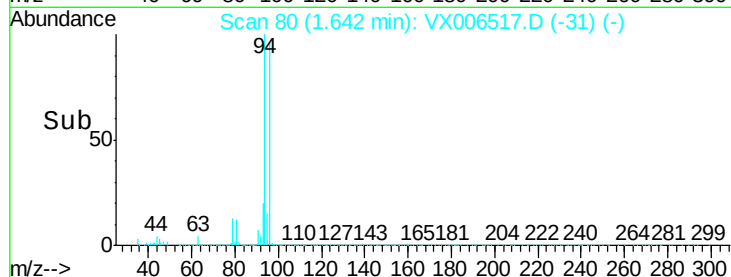
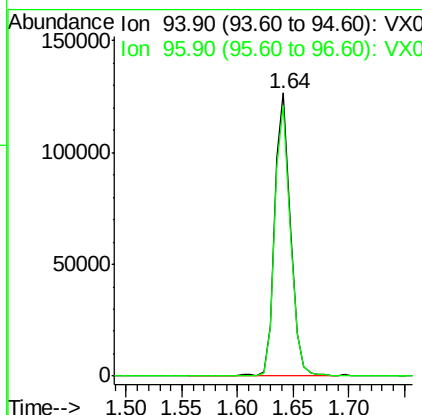
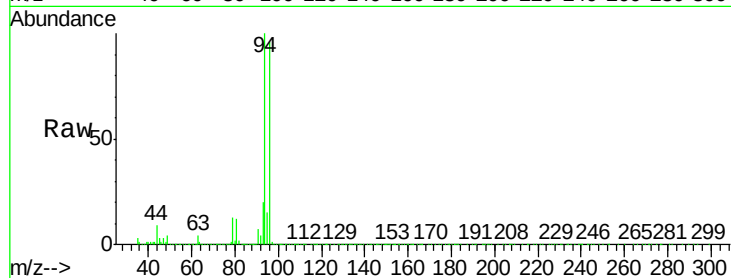
96 95.7 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 21.330 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006517.D

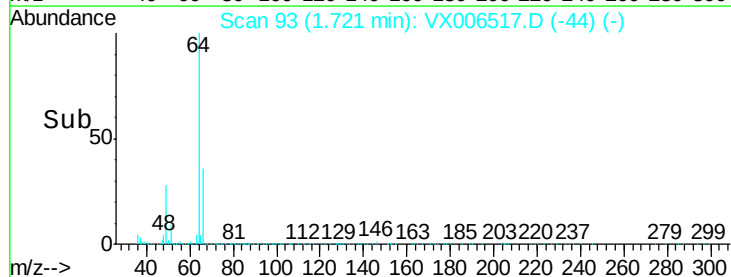
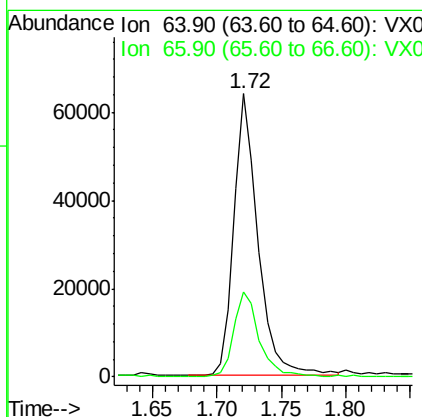
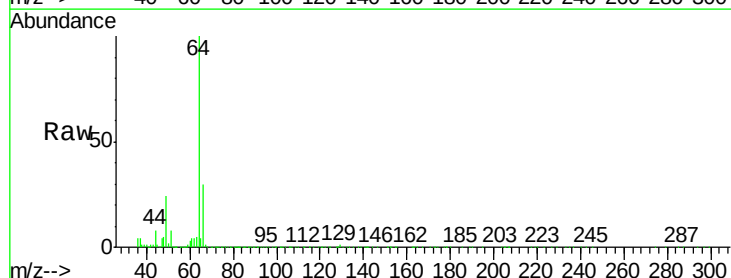
Acq: 14 Dec 2018 14:45

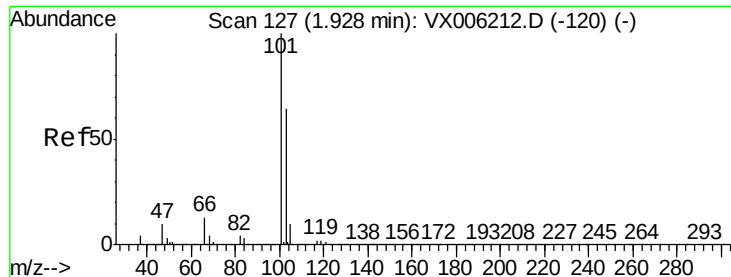
Tgt Ion: 64 Resp: 83795

Ion Ratio Lower Upper

64 100

66 30.2 25.9 38.9





#7

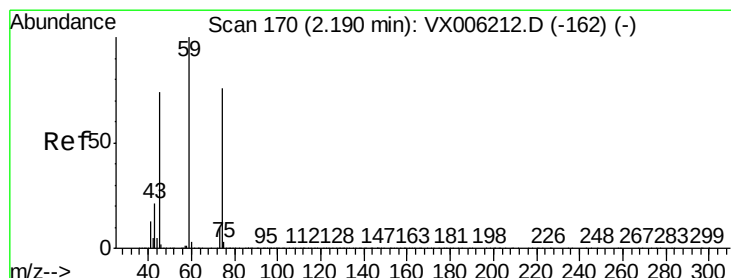
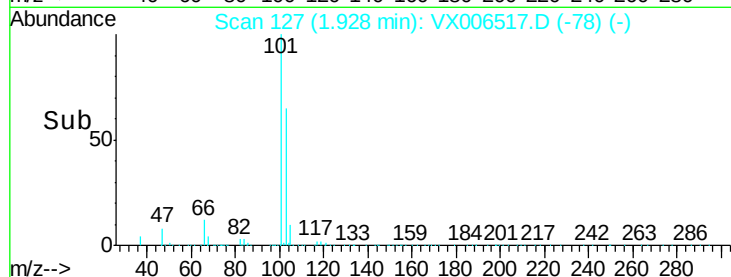
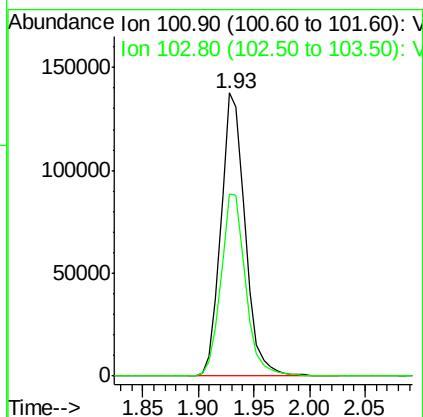
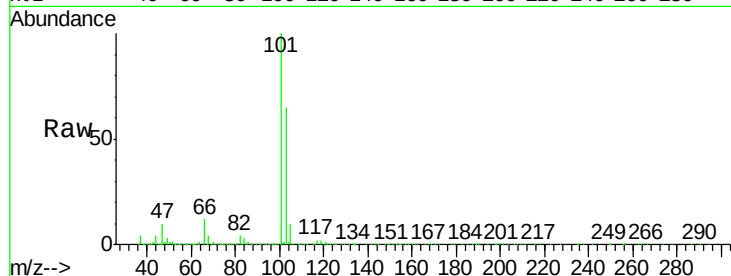
Trichlorofluoromethane
Concen: 21.046 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
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ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	206996		
103	64.4	51.0	76.4	

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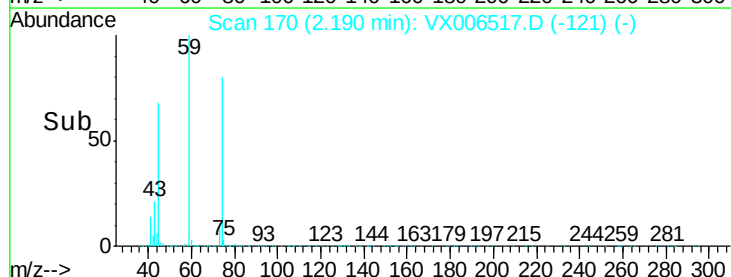
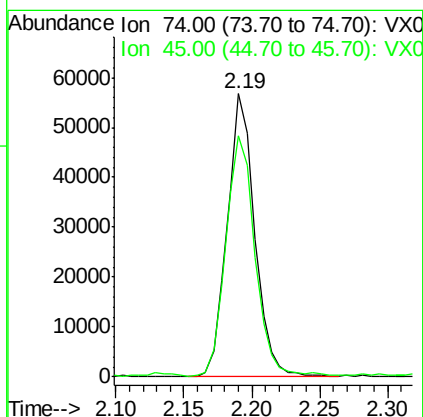
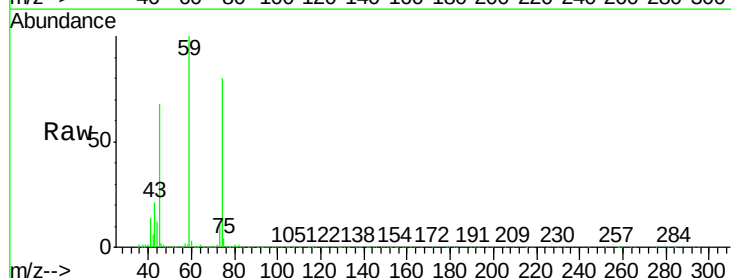
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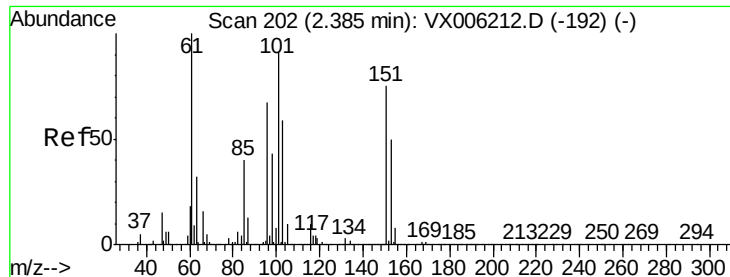


#8

Diethyl Ether
Concen: 21.361 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79512		
45	89.3	49.5	148.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.942 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

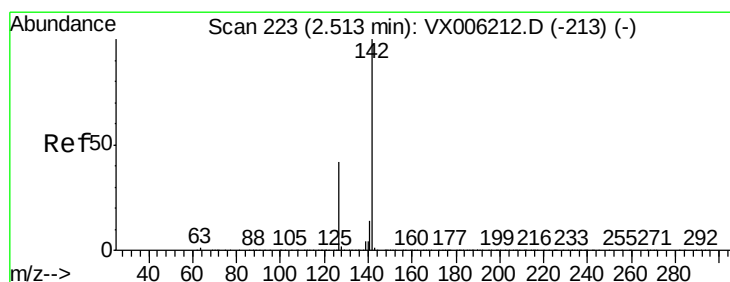
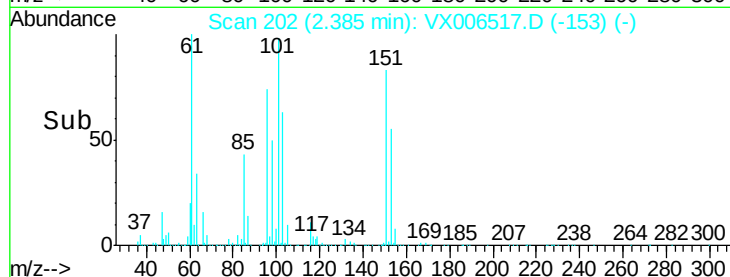
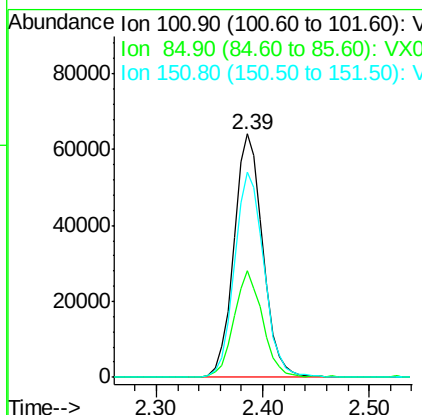
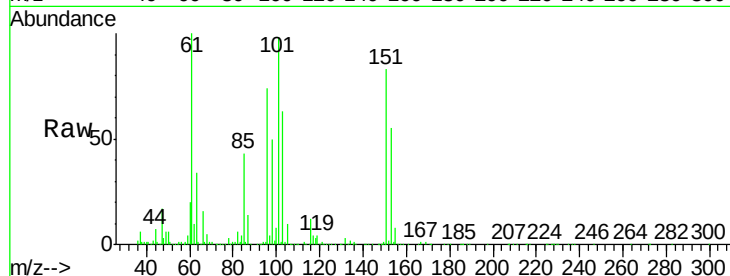
ClientSampleId :

VX1214WBSD01

Tgt Ion:	101	Resp:	122710
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.5	53.3
151	85.9	68.6	103.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.583 ug/l

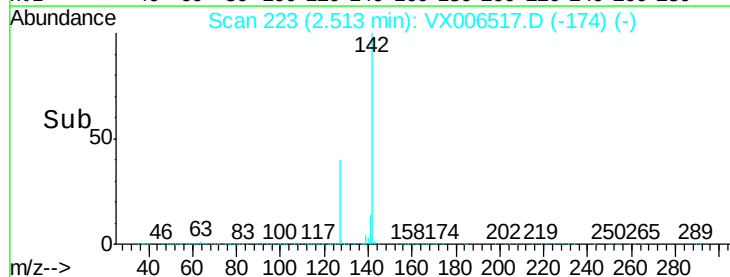
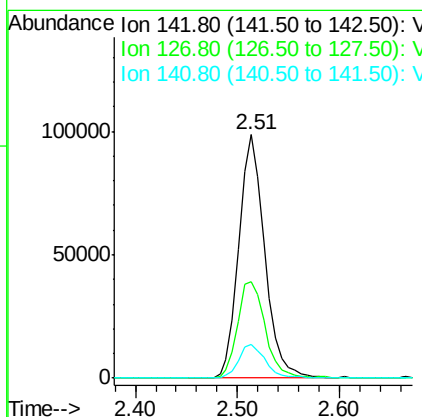
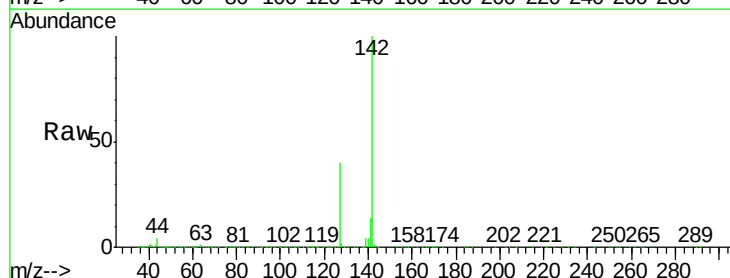
RT: 2.51 min Scan# 223

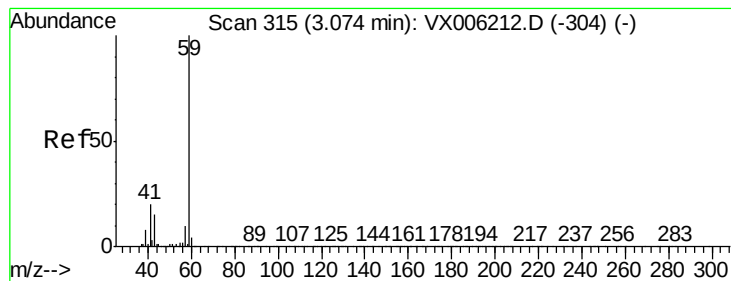
Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Tgt Ion:	142	Resp:	173475
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.8	52.2
141	14.4	11.4	17.2





#11

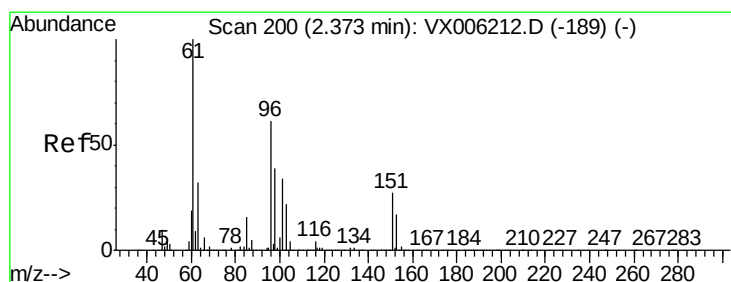
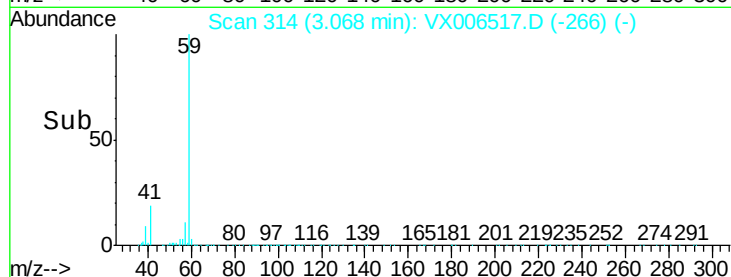
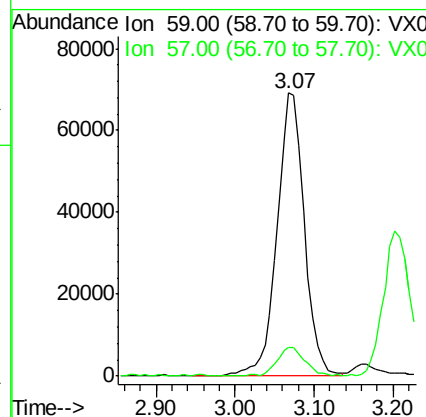
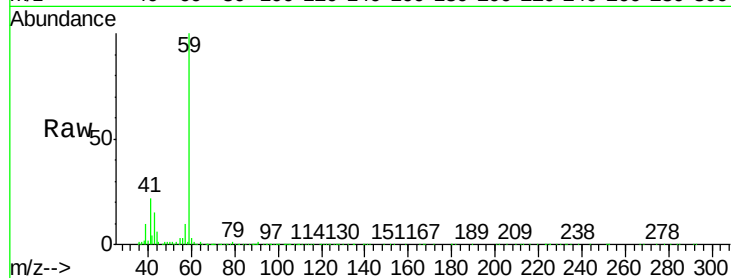
Tert butyl alcohol
Concen: 101.147 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion: 59 Resp: 167074
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

Manual Integrations
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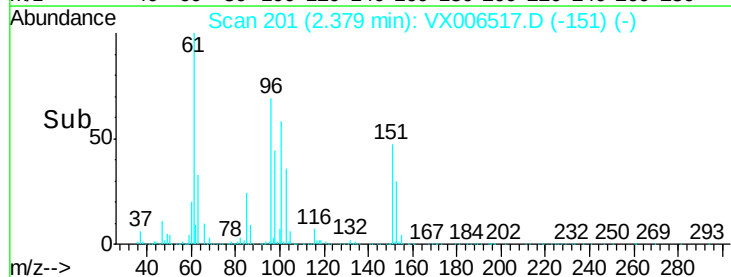
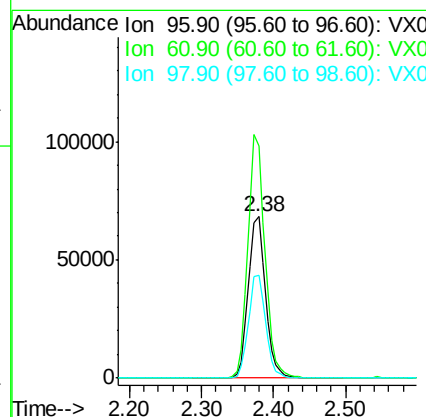
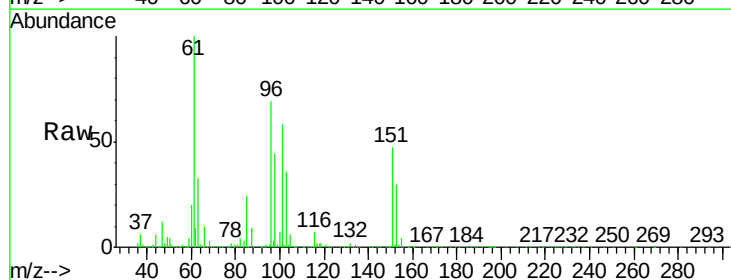
MMDadoda
12/17/2018 12:12:19 PM

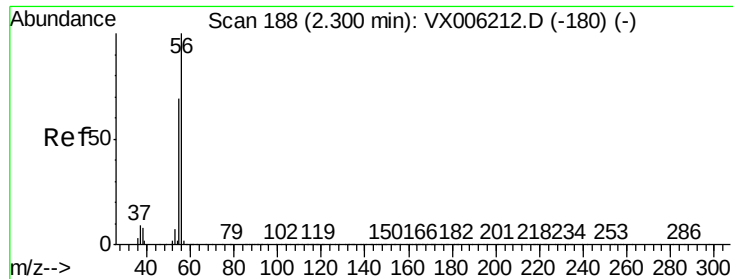


#12

1,1-Dichloroethene
Concen: 21.281 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion: 96 Resp: 113936
Ion Ratio Lower Upper
96 100
61 143.8 131.7 197.5
98 64.0 51.8 77.6





#13

Acrolein

Concen: 101.034 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 56 Resp: 91215

Ion Ratio Lower Upper

56 100

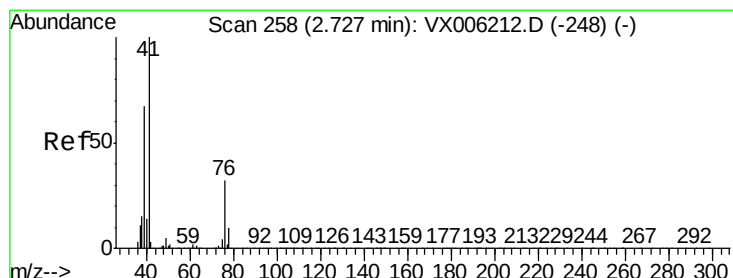
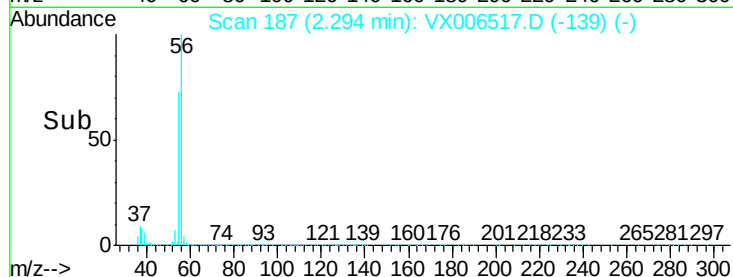
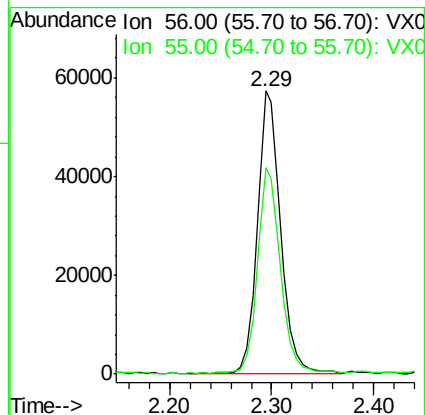
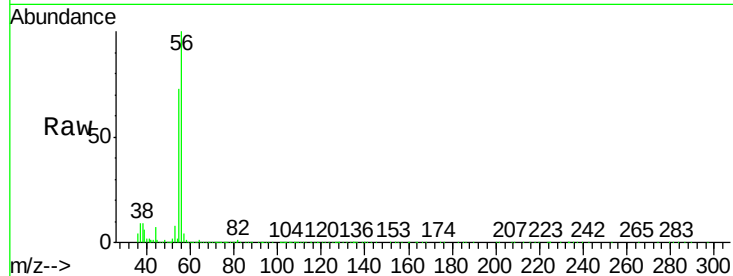
55 72.4 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 17.940 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

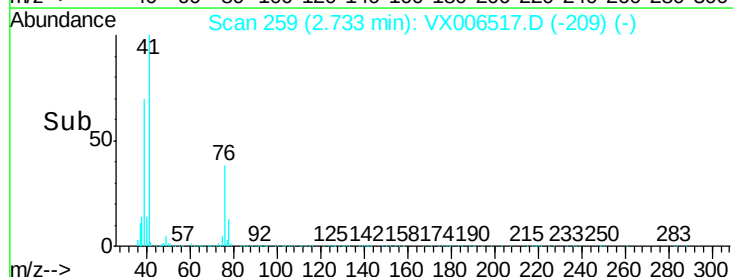
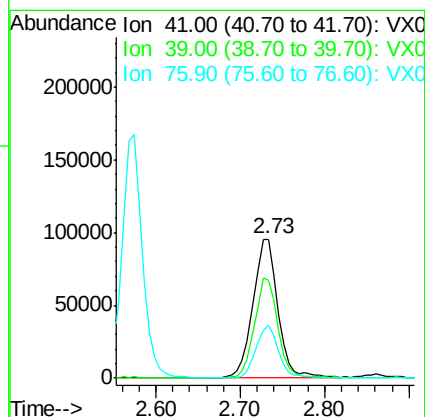
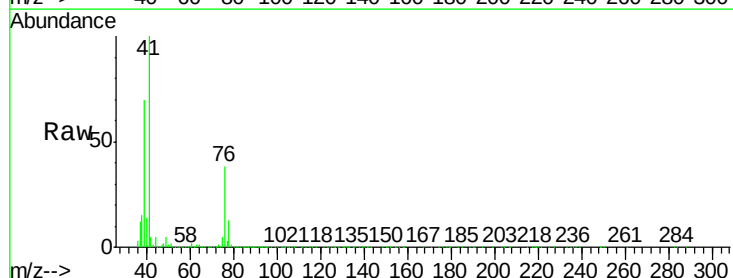
Tgt Ion: 41 Resp: 189732

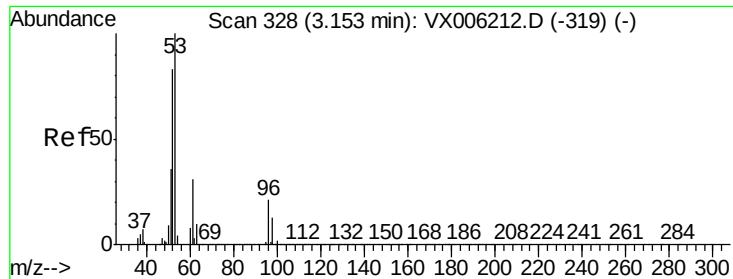
Ion Ratio Lower Upper

41 100

39 68.0 52.4 78.6

76 34.0 25.4 38.0





#15

Acrylonitrile

Concen: 100.322 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

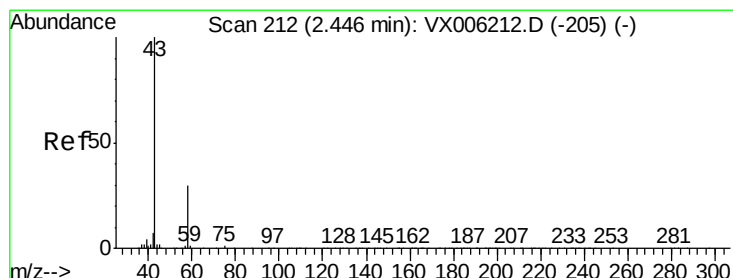
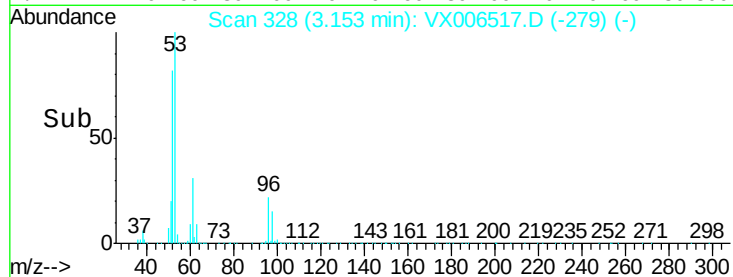
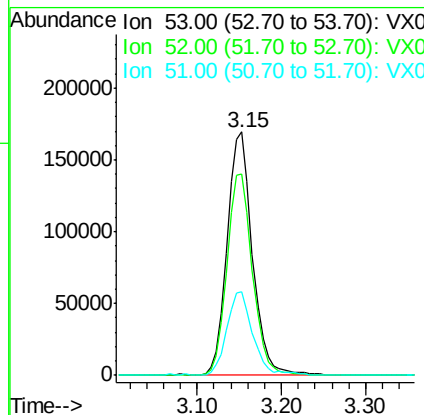
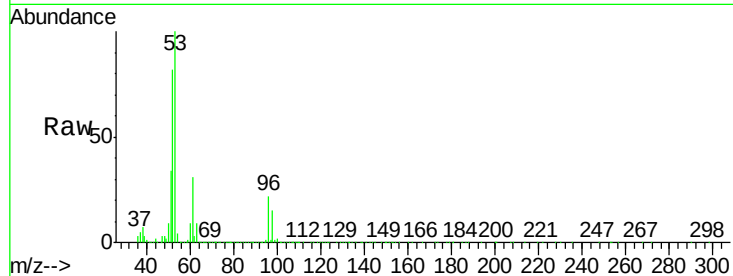
ClientSampleId :

VX1214WBSD01

Tgt Ion:	53	Resp:	345801
Ion Ratio		Lower	Upper
53	100		
52	83.5	66.2	99.4
51	35.0	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 103.527 ug/l

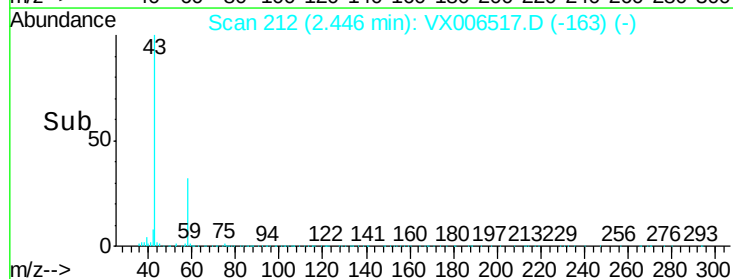
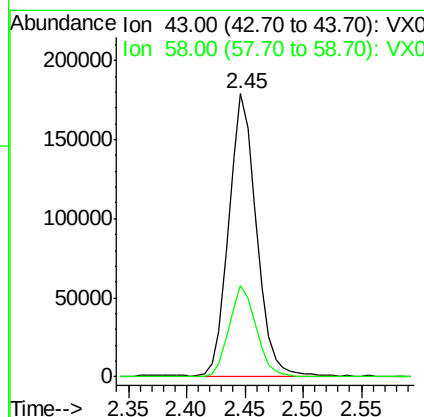
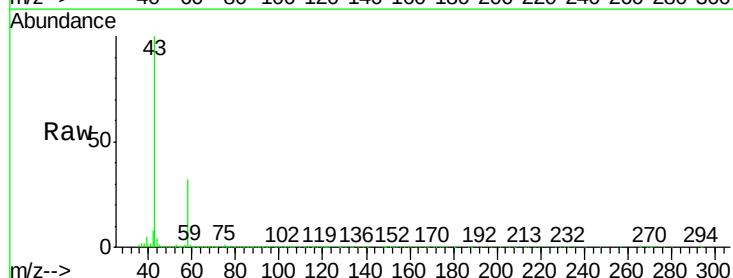
RT: 2.45 min Scan# 212

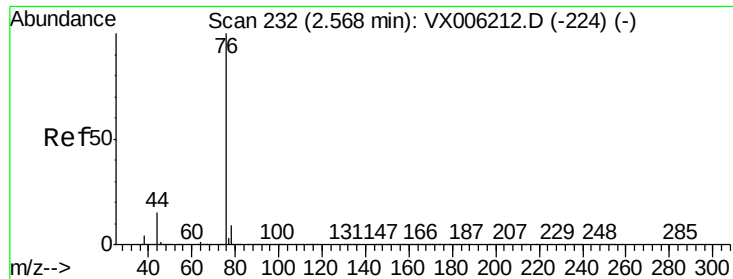
Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Tgt Ion:	43	Resp:	293448
Ion Ratio		Lower	Upper
43	100		
58	32.1	24.0	36.0





#17

Carbon Disulfide

Concen: 17.049 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 76 Resp: 281270

Ion Ratio Lower Upper

76 100

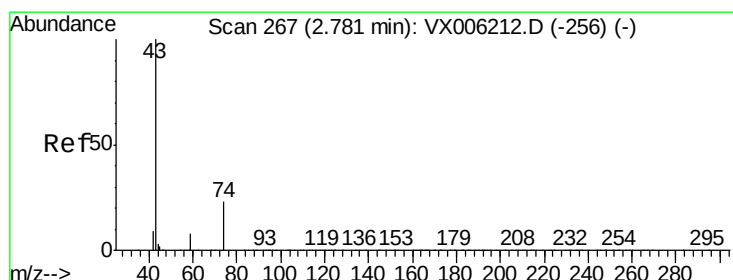
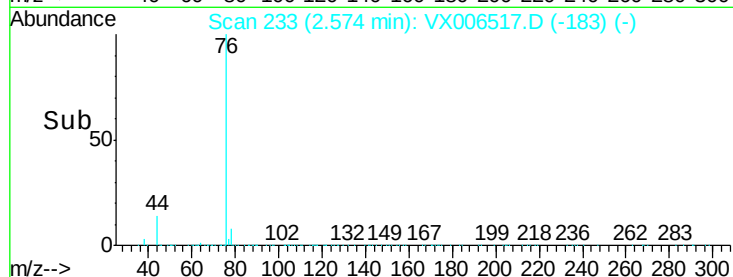
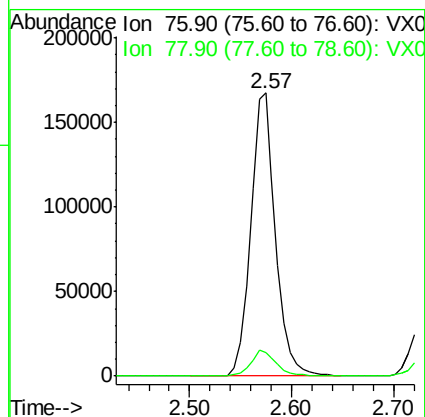
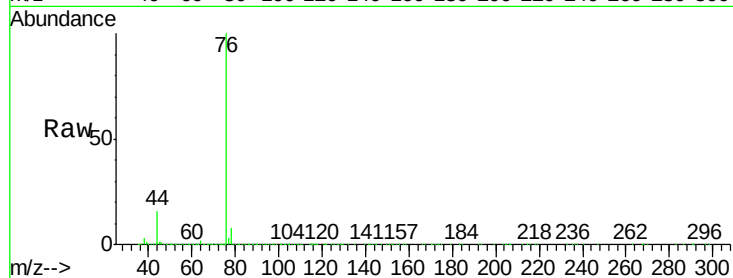
78 8.3 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 20.342 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006517.D

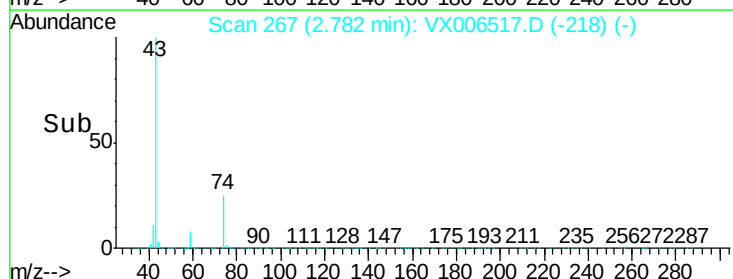
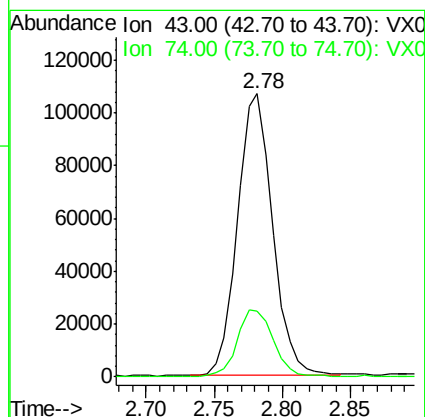
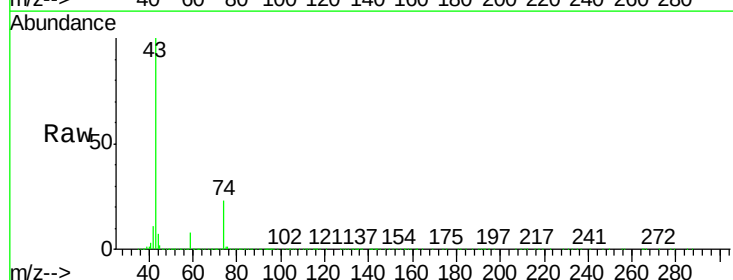
Acq: 14 Dec 2018 14:45

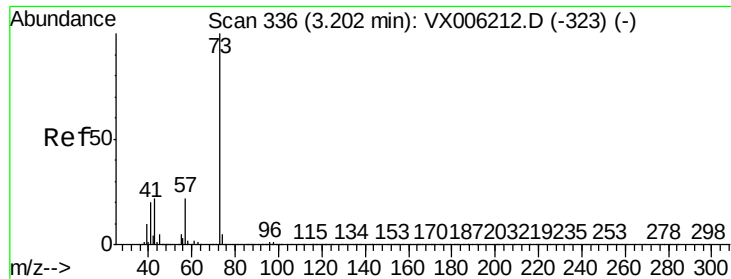
Tgt Ion: 43 Resp: 192823

Ion Ratio Lower Upper

43 100

74 24.6 17.9 26.9





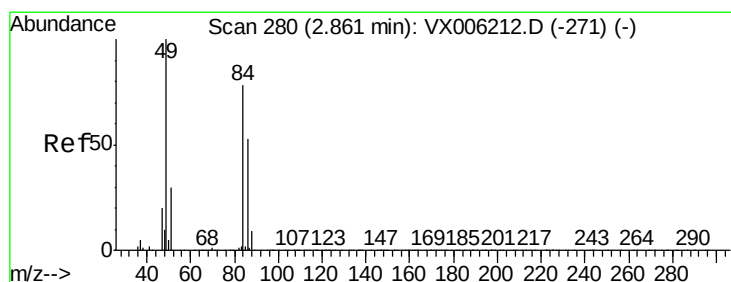
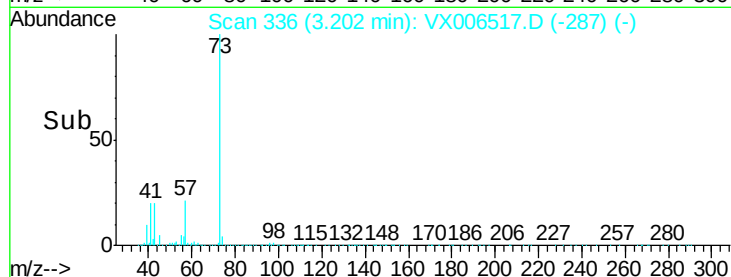
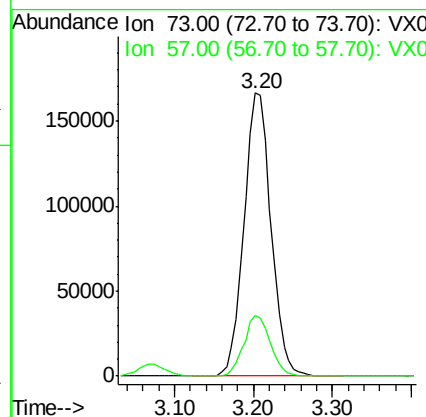
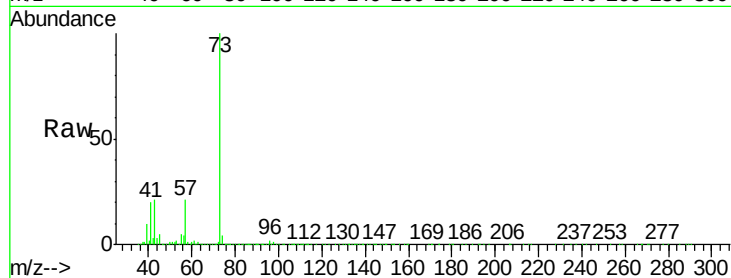
#19
Methyl tert-butyl Ether
Concen: 20.795 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.5	26.3

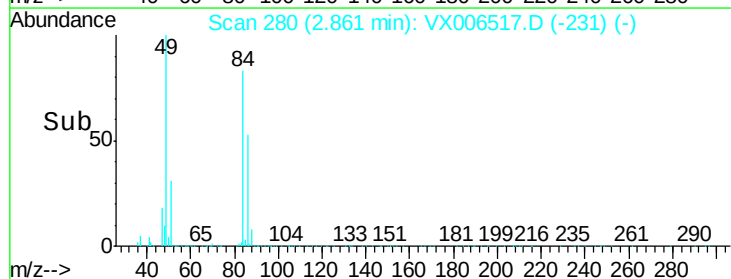
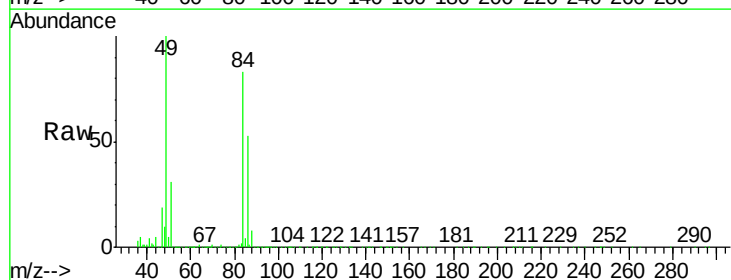
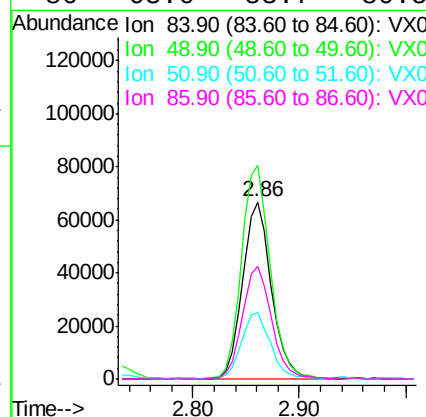
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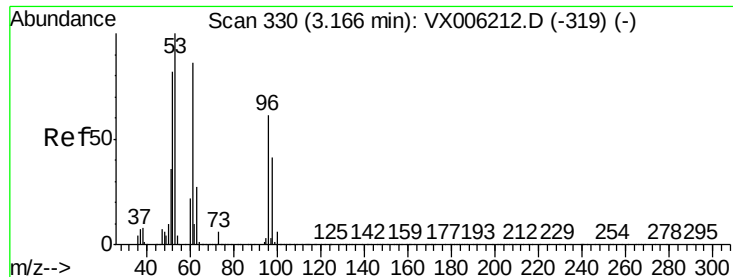
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#20
Methylene Chloride
Concen: 20.915 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	102.2	153.4
51	37.7	31.1	46.7
86	63.6	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 20.813 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 96 Resp: 118748
Ion Ratio Lower Upper

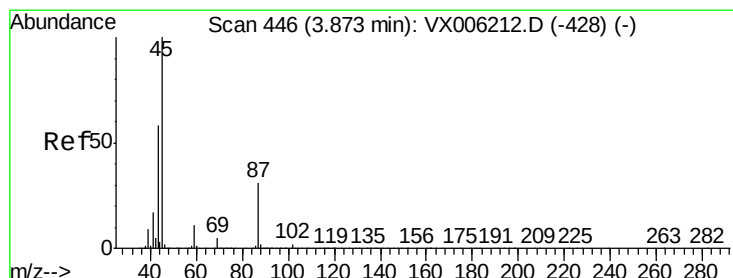
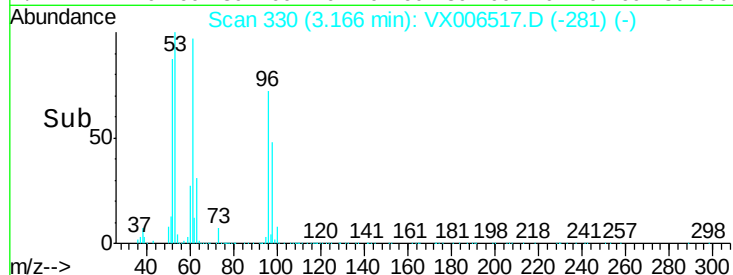
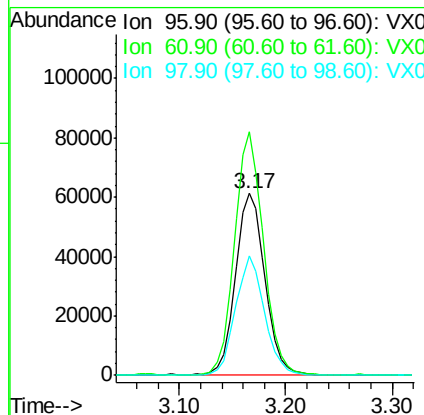
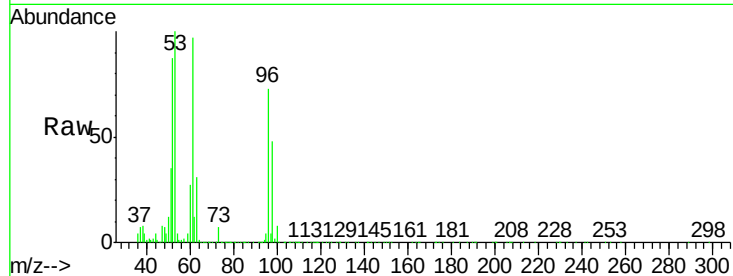
96 100

61 133.7 113.3 169.9

98 65.8 53.2 79.8

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#22

Diisopropyl ether

Concen: 21.376 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

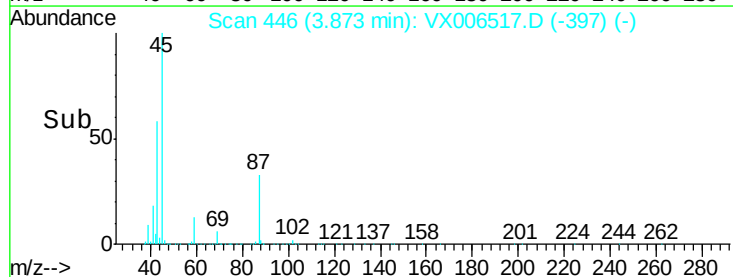
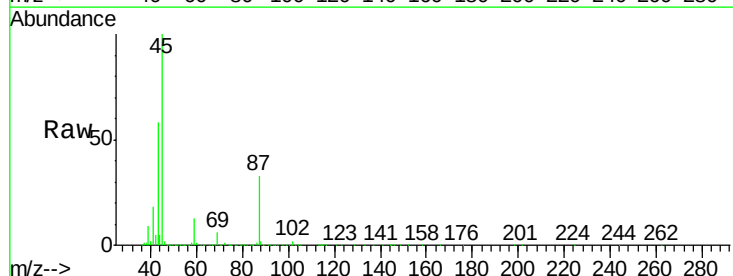
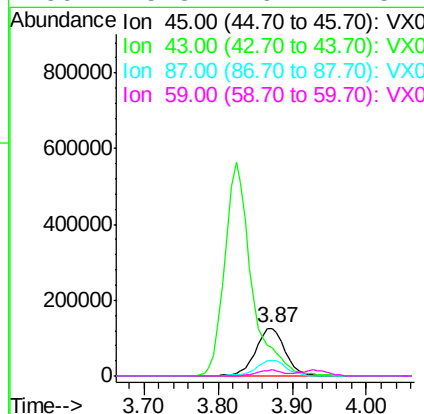
Tgt Ion: 45 Resp: 353110
Ion Ratio Lower Upper

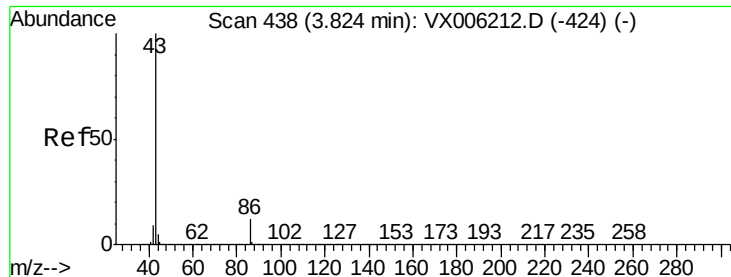
45 100

43 58.3 46.2 69.2

87 33.3 24.9 37.3

59 13.3 9.1 13.7





#23

Vinyl Acetate

Concen: 101.233 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 43 Resp: 1426309

Ion Ratio Lower Upper

43 100

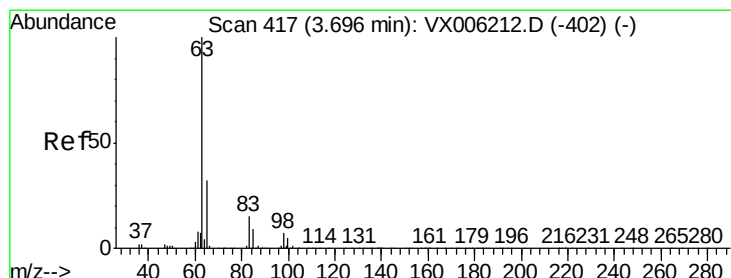
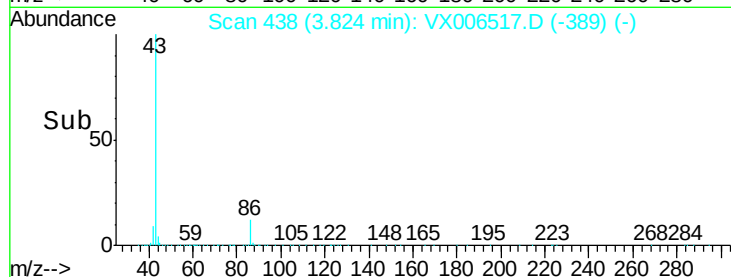
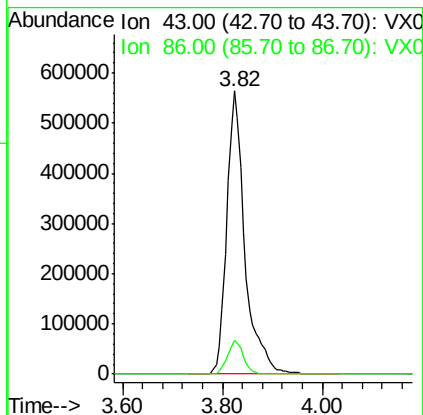
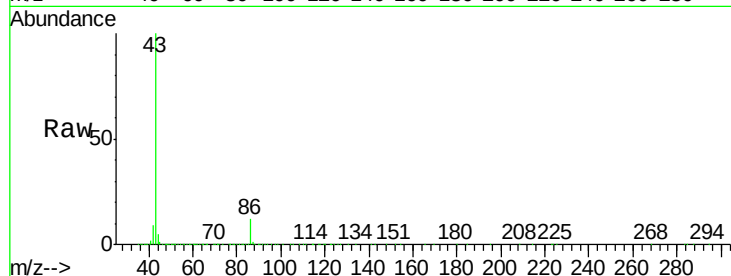
86 11.9 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.866 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

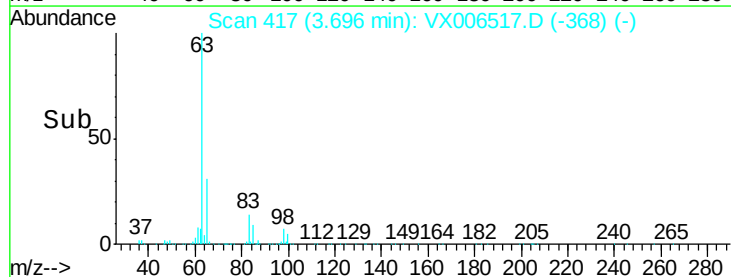
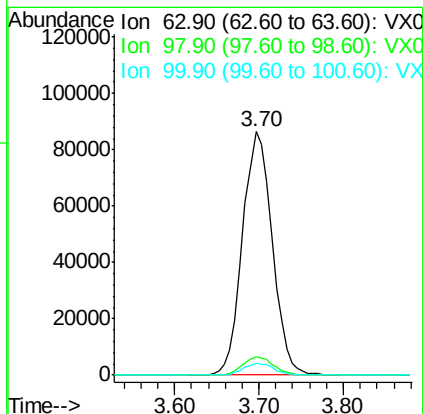
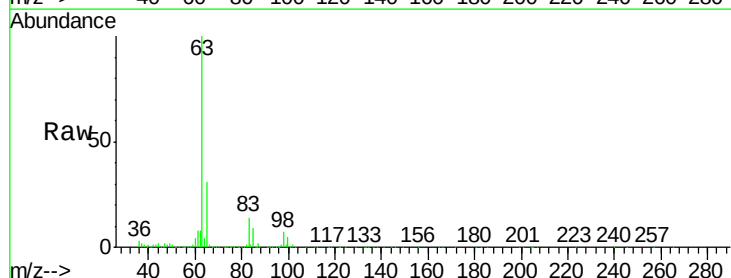
Tgt Ion: 63 Resp: 206456

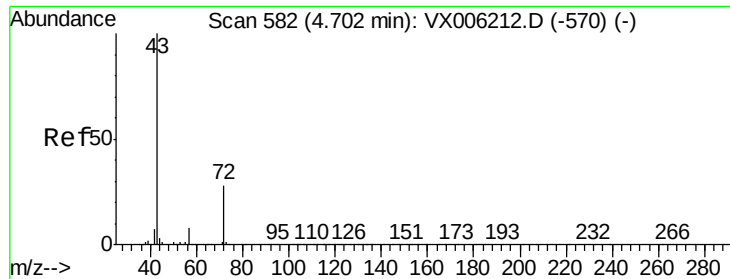
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 106.224 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 43 Resp: 429617

Ion Ratio Lower Upper

43 100

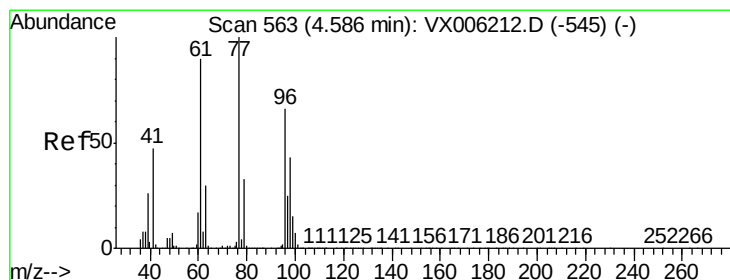
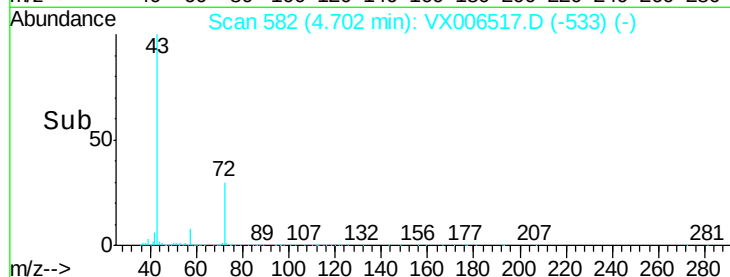
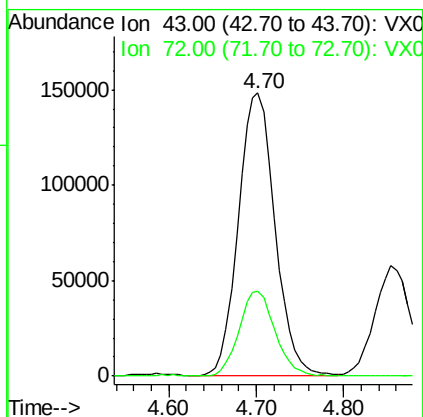
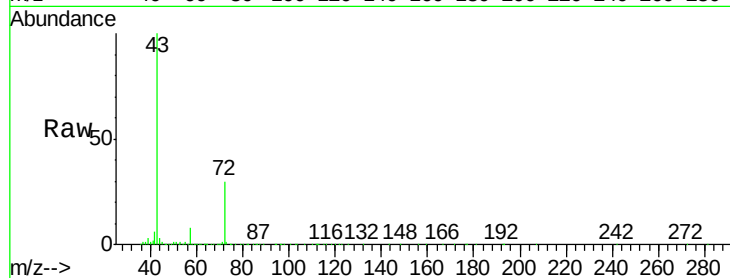
72 30.0 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.975 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006517.D

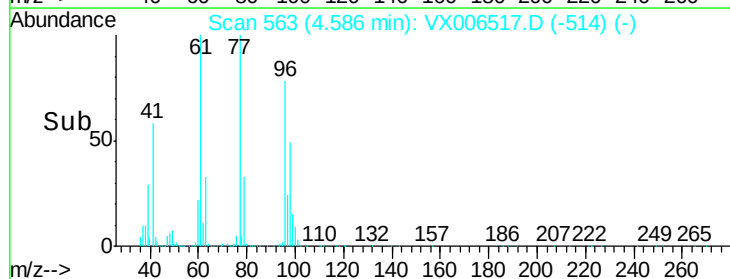
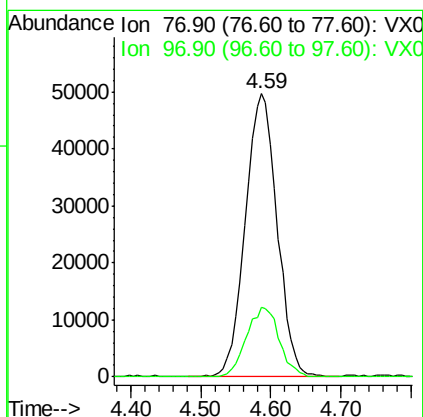
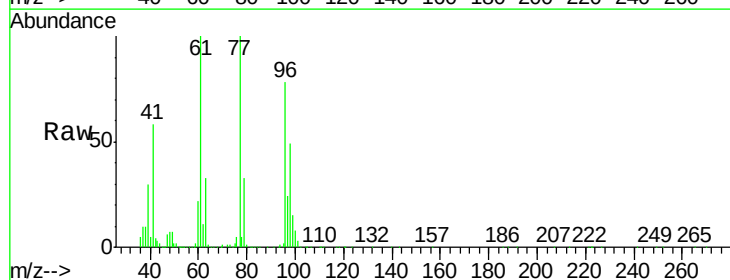
Acq: 14 Dec 2018 14:45

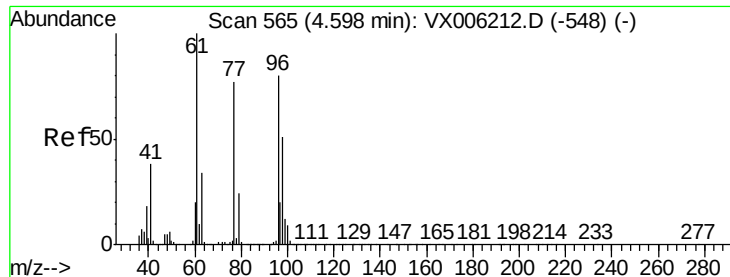
Tgt Ion: 77 Resp: 156632

Ion Ratio Lower Upper

77 100

97 25.4 12.3 36.8





#27

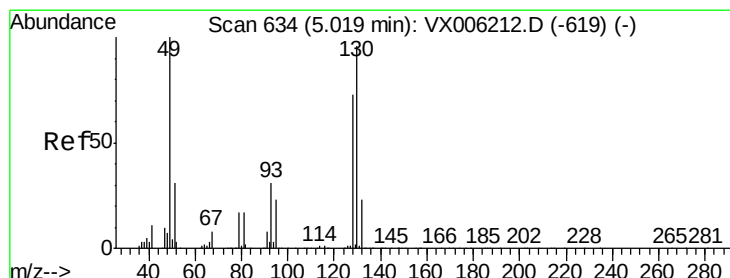
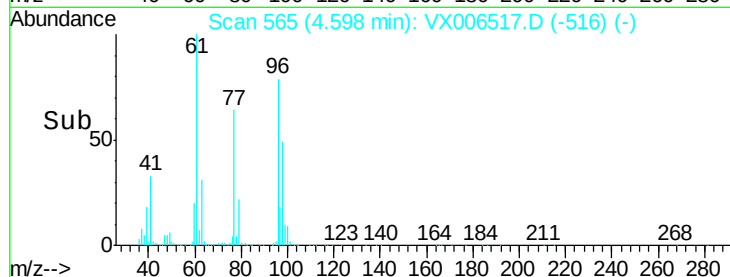
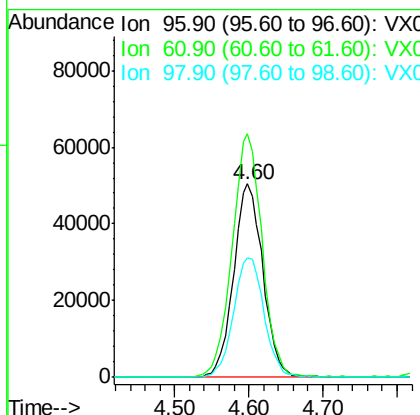
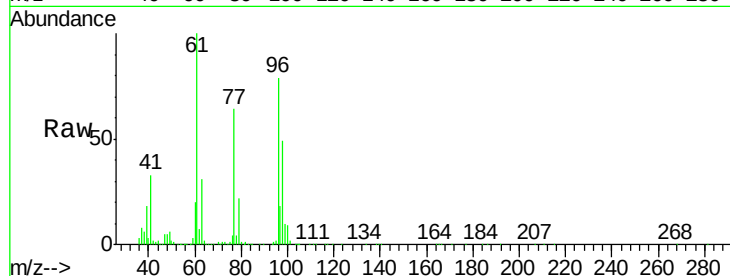
cis-1,2-Dichloroethene
Concen: 21.904 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	139395		
61	127.7	0.0	265.0	
98	64.4	0.0	130.2	

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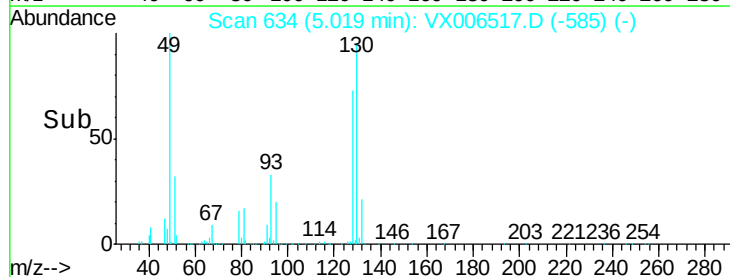
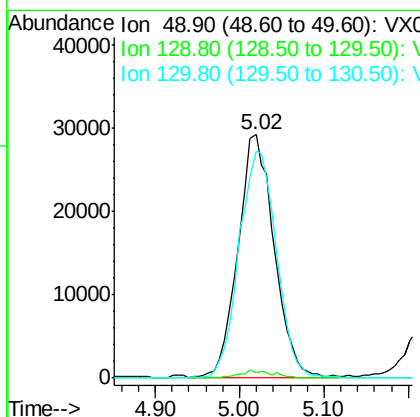
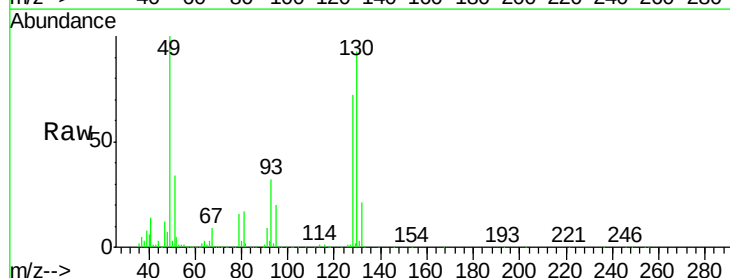
MMDadoda
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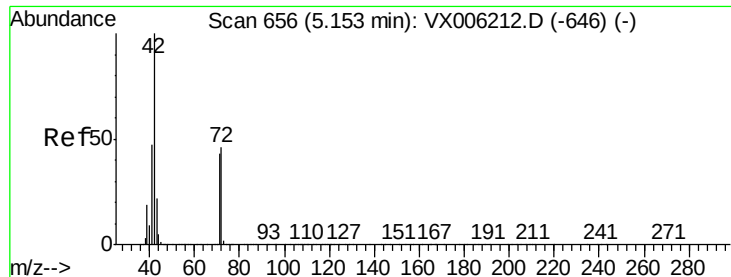


#28

Bromochloromethane
Concen: 20.621 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85044		
129	2.9	0.0	5.0	
130	96.7	78.3	117.5	





#29

Tetrahydrofuran

Concen: 102.044 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

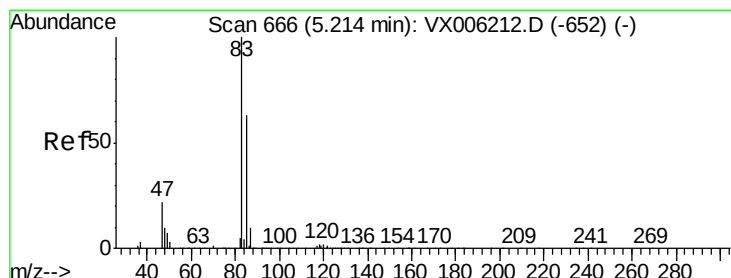
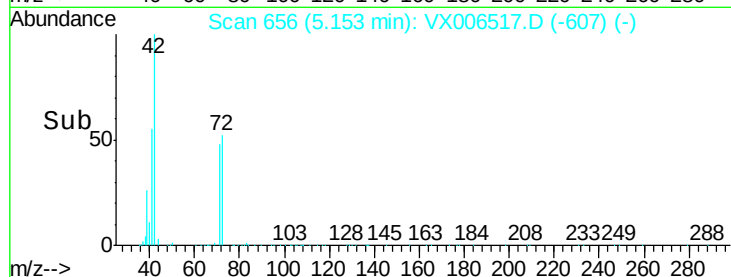
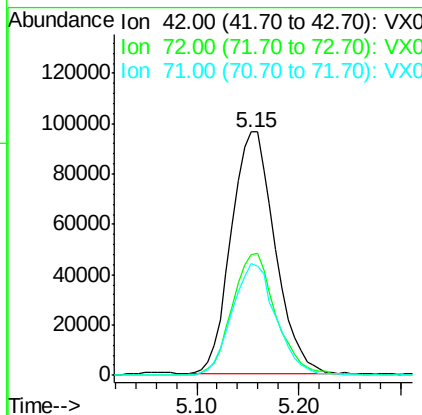
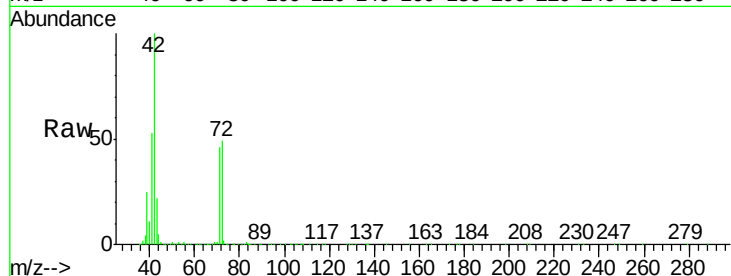
ClientSampleId :

VX1214WBSD01

Tgt Ion:	42	Resp:	286834
Ion Ratio		Lower	Upper
42	100		
72	50.6	37.8	56.8
71	46.1	35.2	52.8

Manual Integrations
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#30

Chloroform

Concen: 22.235 ug/l

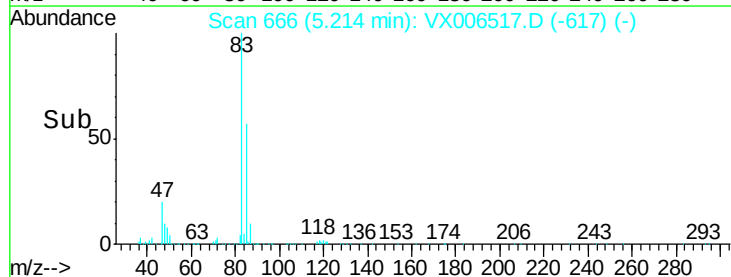
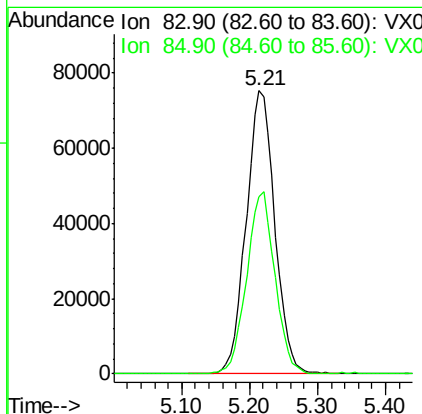
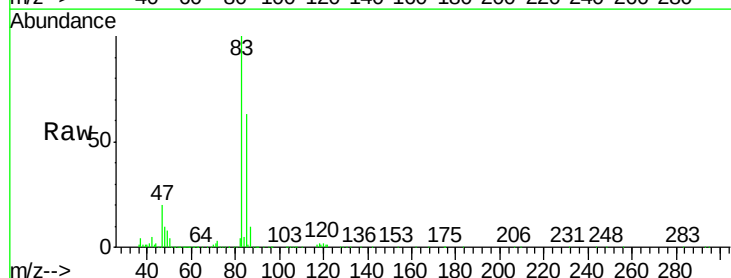
RT: 5.21 min Scan# 666

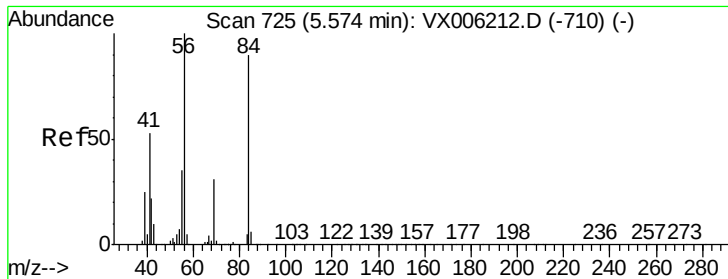
Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Tgt Ion:	83	Resp:	220624
Ion Ratio		Lower	Upper
83	100		
85	62.4	50.3	75.5





#31

Cyclohexane

Concen: 21.692 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 56 Resp: 189278
Ion Ratio Lower Upper

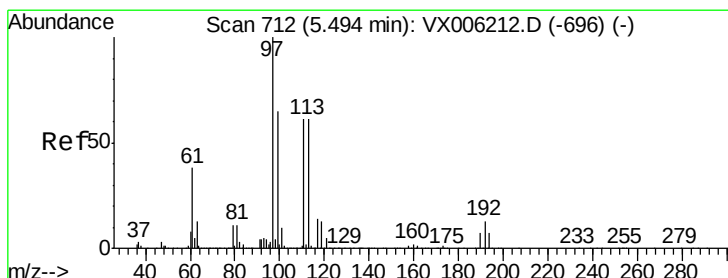
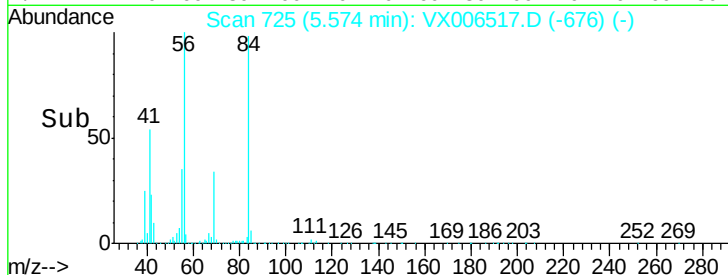
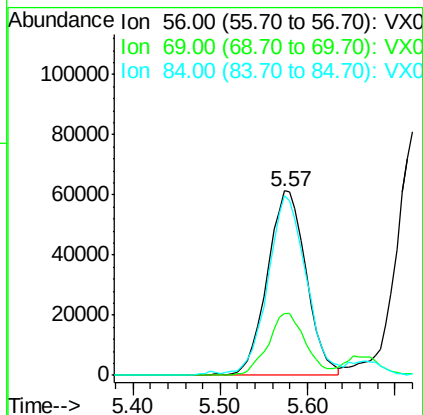
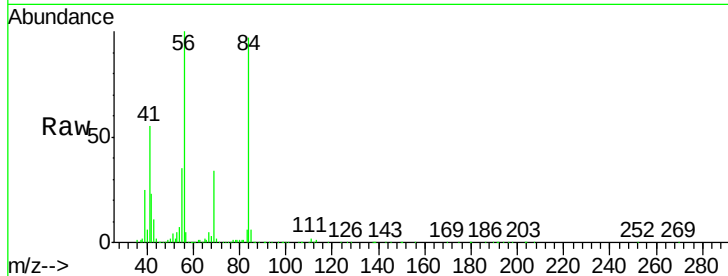
56 100

69 33.6 24.5 36.7

84 97.0 71.8 107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.174 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX006517.D

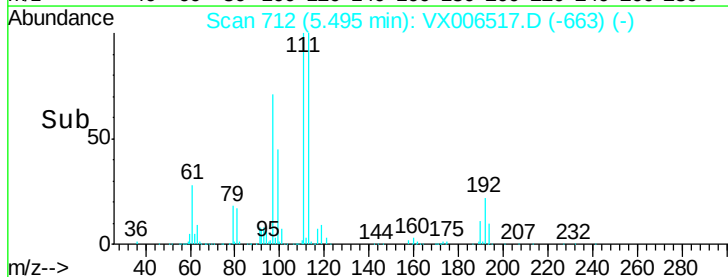
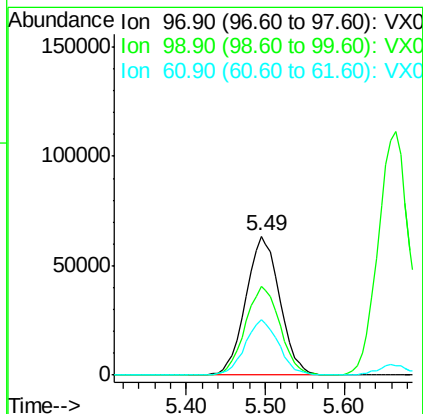
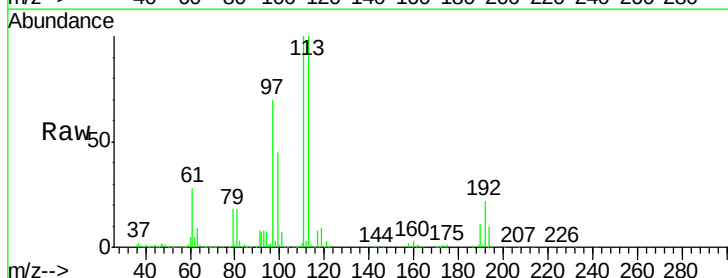
Acq: 14 Dec 2018 14:45

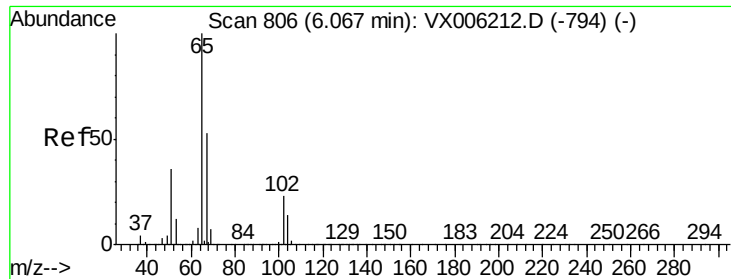
Tgt Ion: 97 Resp: 190458
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 39.2 30.6 46.0





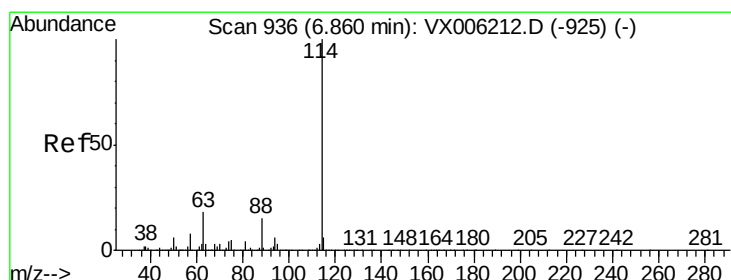
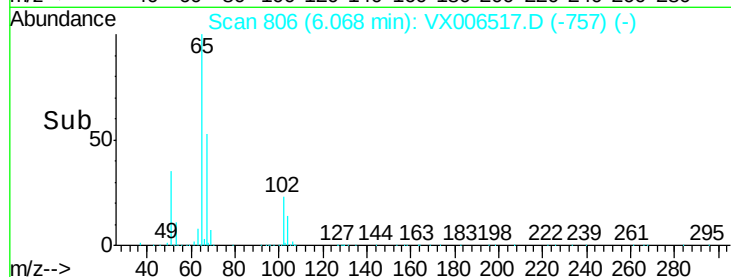
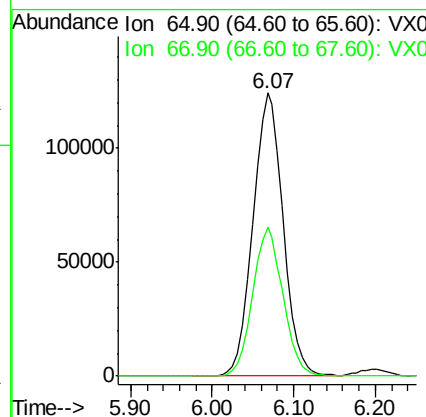
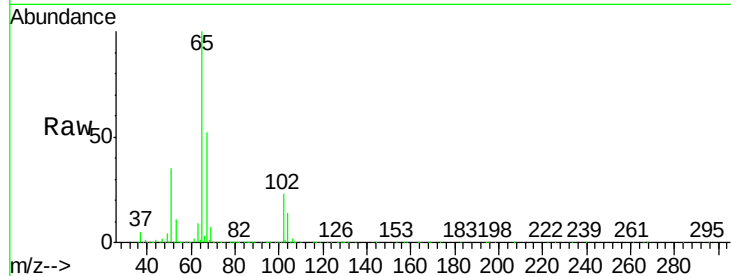
#33
 1,2-Dichloroethane-d4
 Concen: 53.079 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	107.2

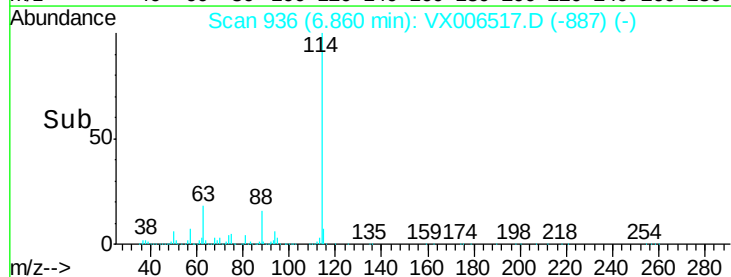
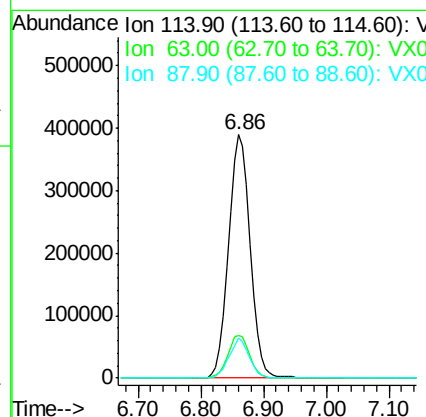
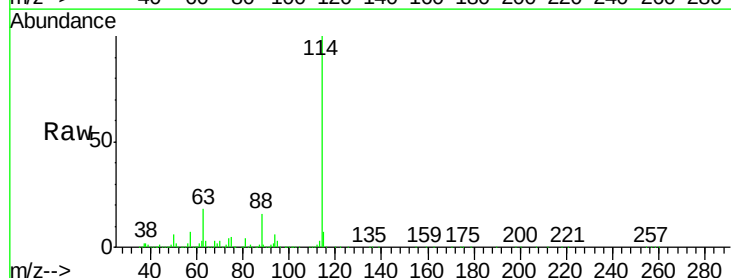
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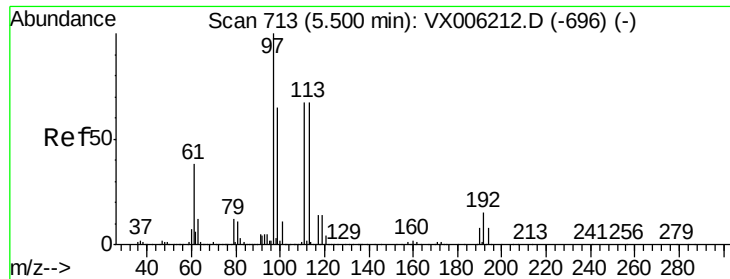
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	36.6
88	16.3	0.0	29.0





#35

Dibromofluoromethane

Concen: 48.309 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

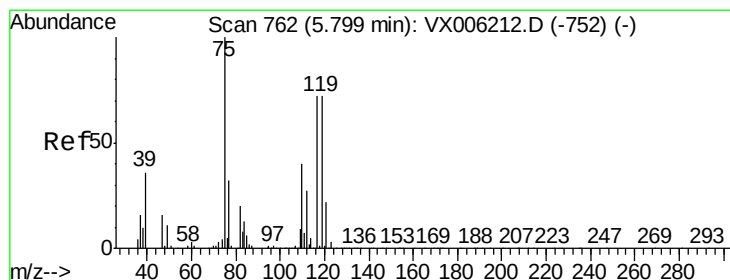
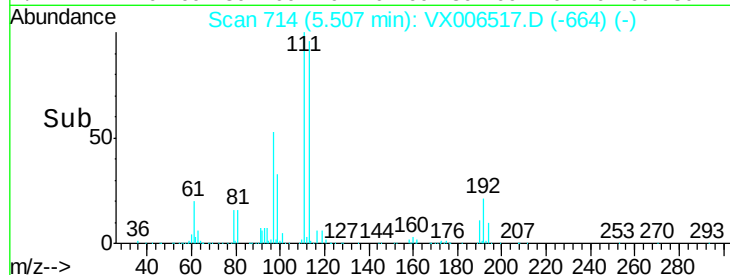
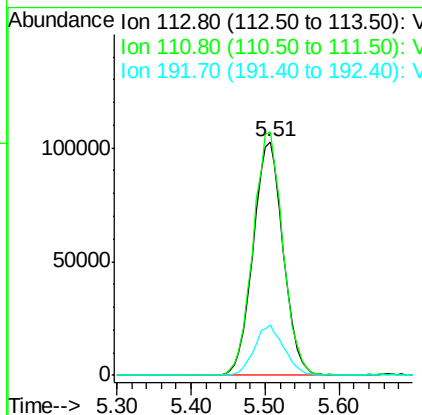
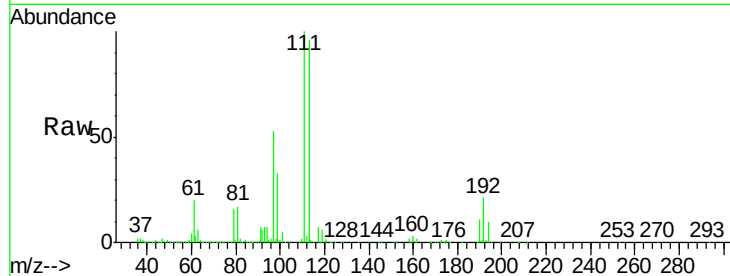
ClientSampleId :

VX1214WBSD01

Tgt Ion:	113	Resp:	290624
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.1	121.7
192	21.4	18.2	27.2

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#36

1,1-Dichloropropene

Concen: 20.346 ug/l

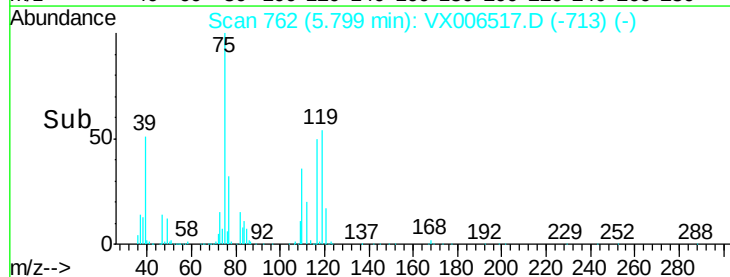
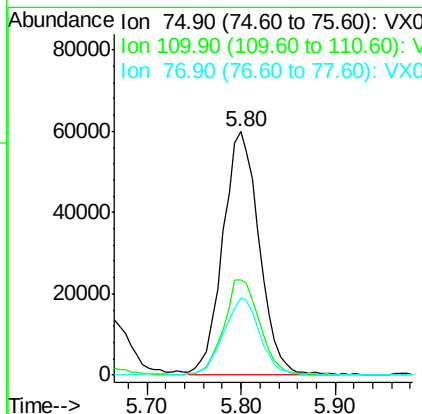
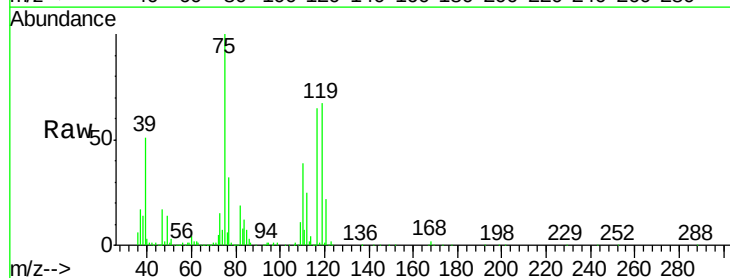
RT: 5.80 min Scan# 762

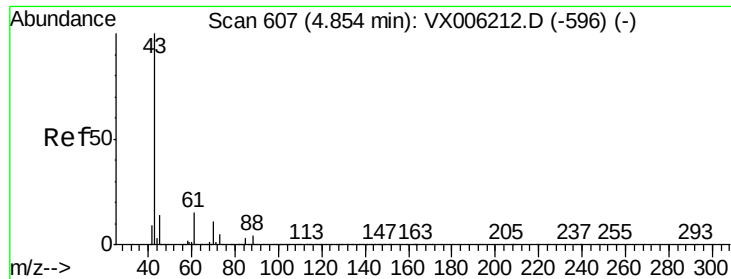
Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Tgt Ion:	75	Resp:	159201
Ion Ratio	Lower	Upper	
75	100		
110	39.2	20.4	61.3
77	31.4	24.9	37.3





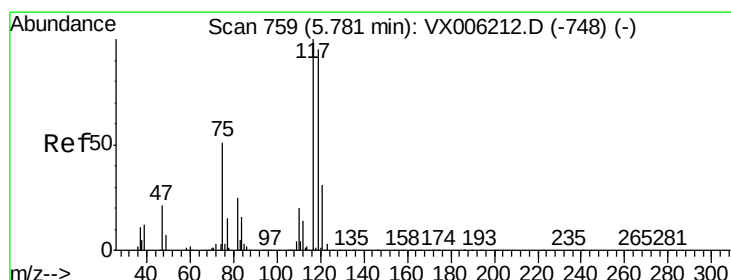
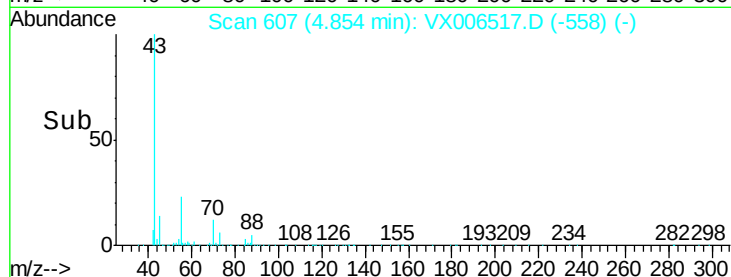
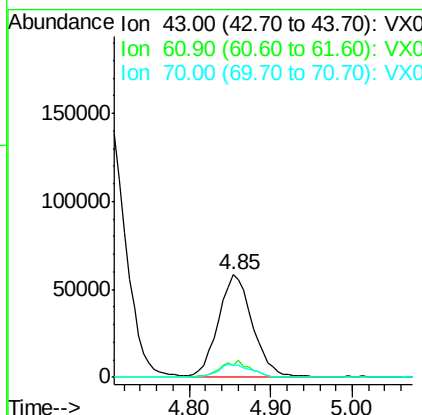
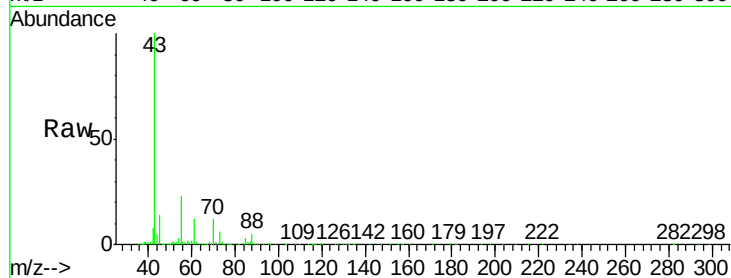
#37
Ethyl Acetate
Concen: 19.041 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion:	43	Resp:	166844
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	13.0	9.0	13.6

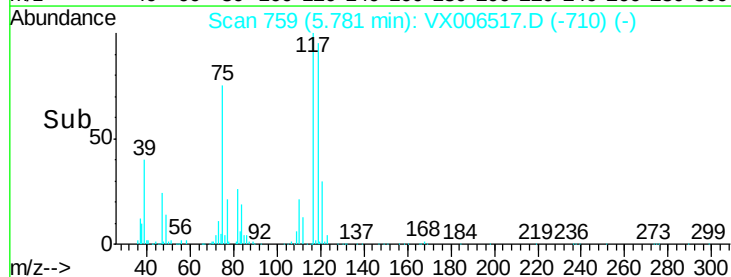
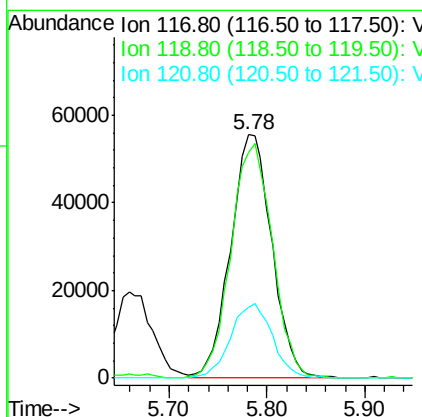
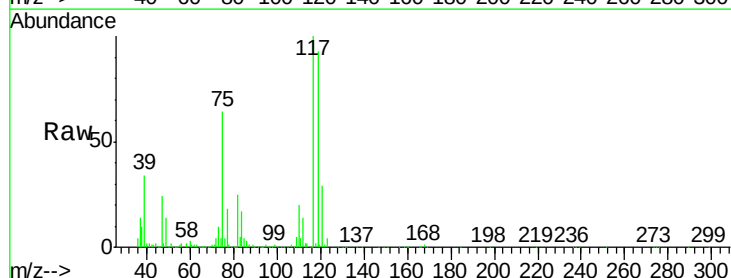
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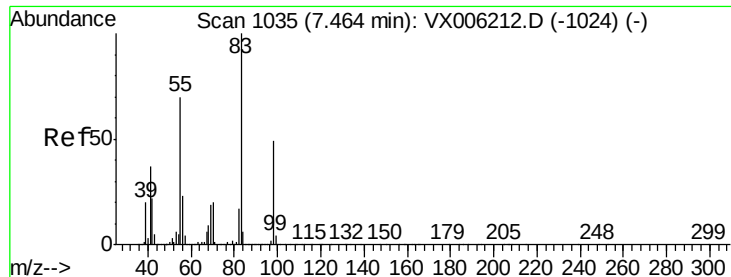
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#38
Carbon Tetrachloride
Concen: 17.624 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion:	117	Resp:	162230
Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.8	113.8
121	29.2	24.6	37.0





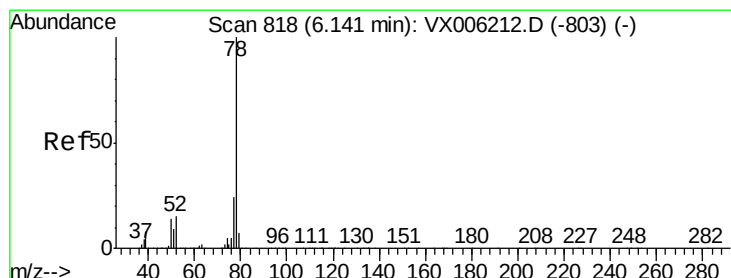
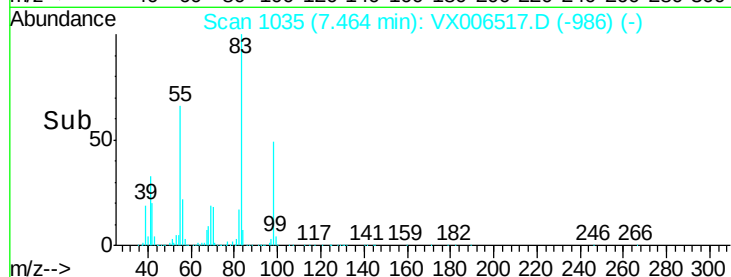
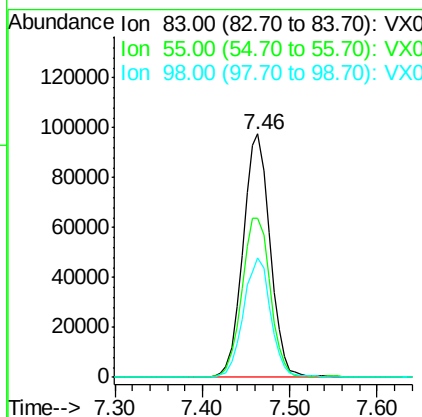
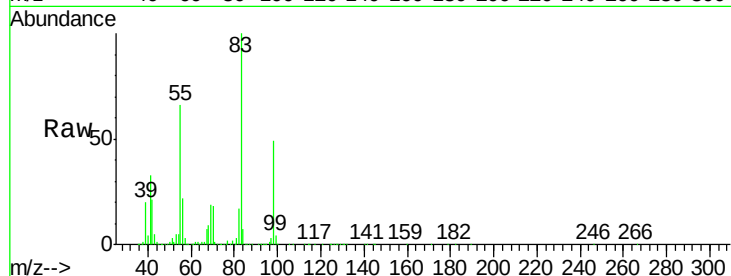
#39
Methylcyclohexane
Concen: 20.674 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	65.4	56.4	84.6
98	49.1	39.0	58.6

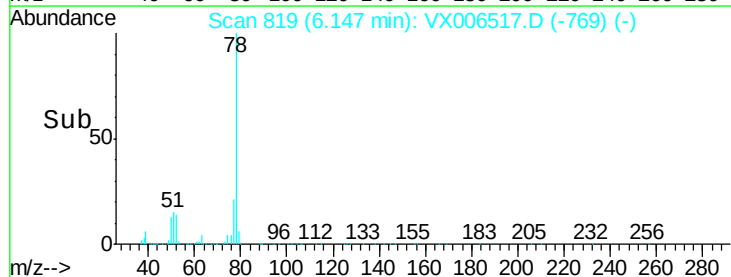
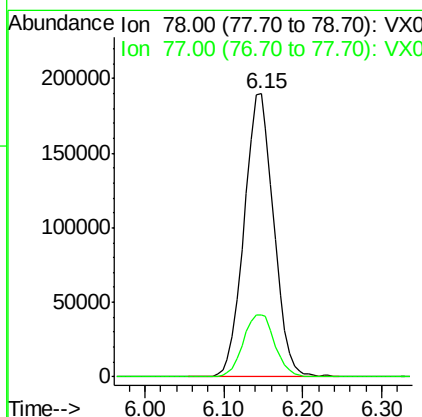
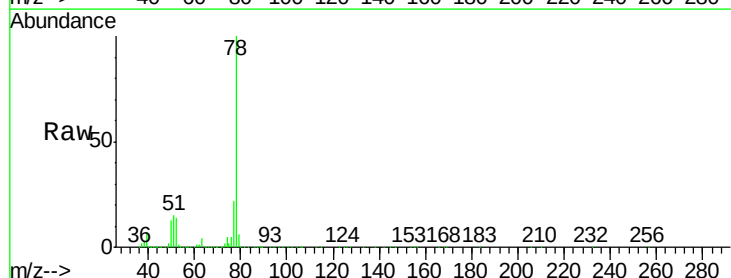
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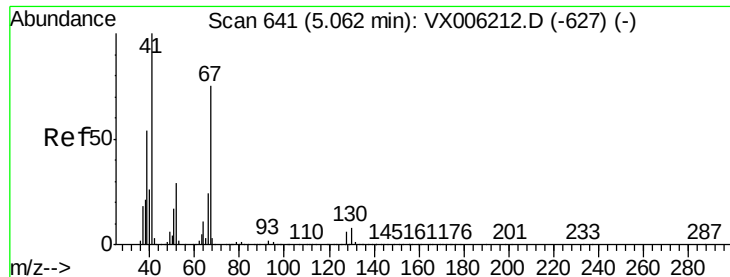
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#40
Benzene
Concen: 21.153 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.2	28.8





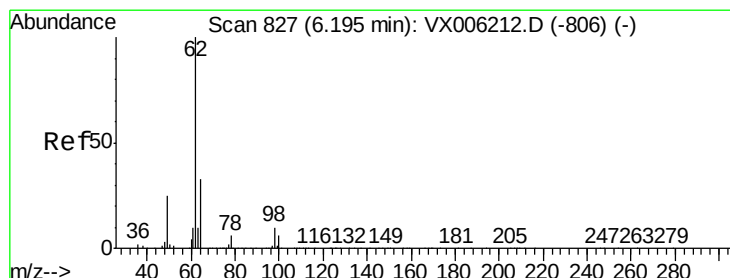
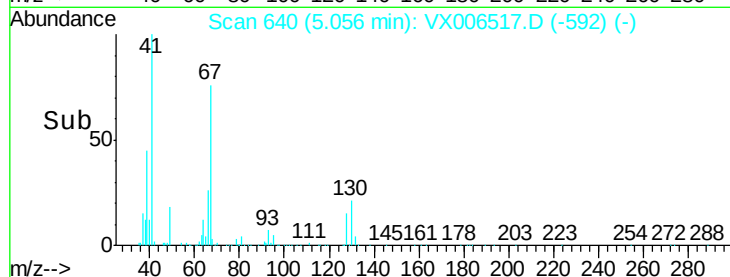
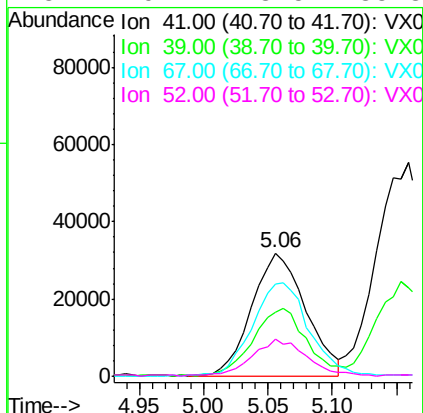
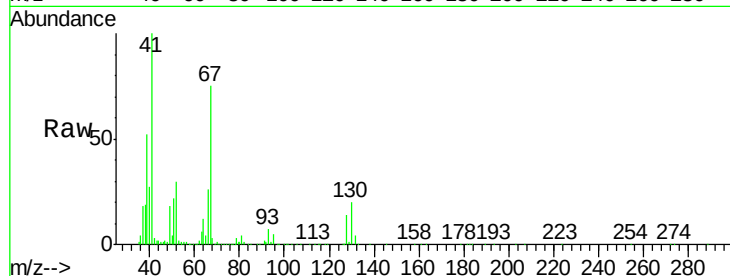
#41
Methacrylonitrile
Concen: 19.162 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	44.0	66.0	
67	80.3	61.4	92.0	
52	29.4	23.5	35.3	

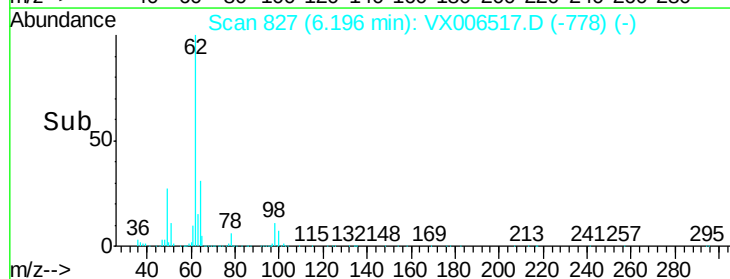
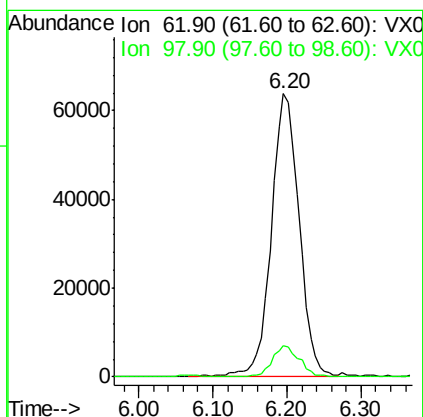
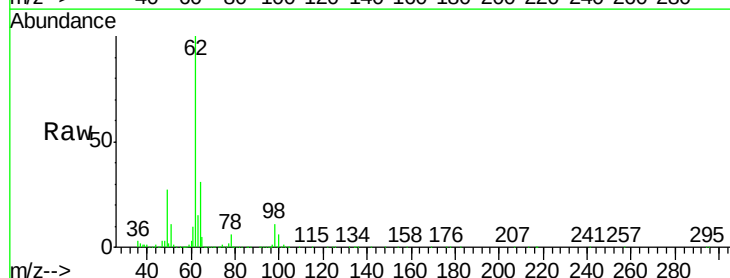
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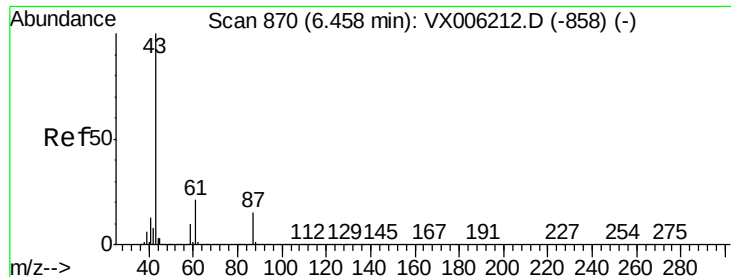
MMDadoda
12/17/2018 12:12:19 PM



#42
1,2-Dichloroethane
Concen: 21.683 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.2	





#43

Isopropyl Acetate

Concen: 18.083 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

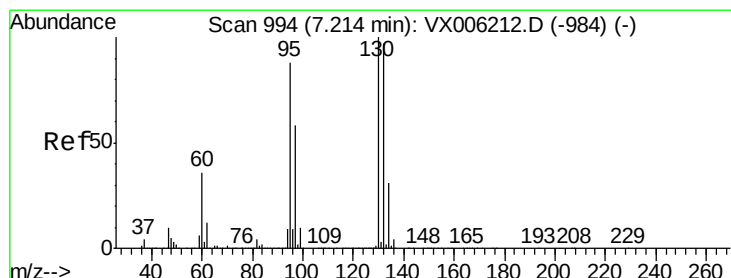
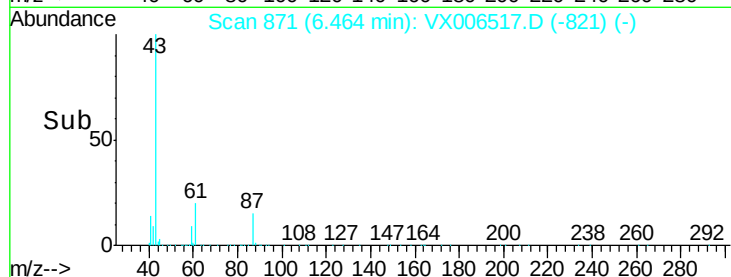
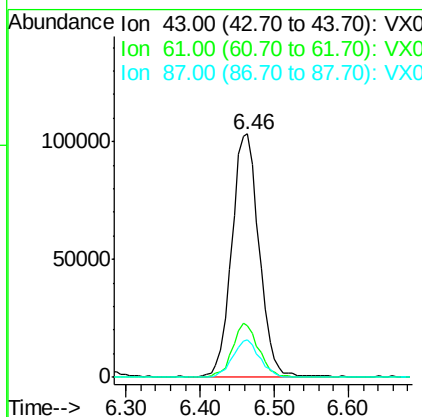
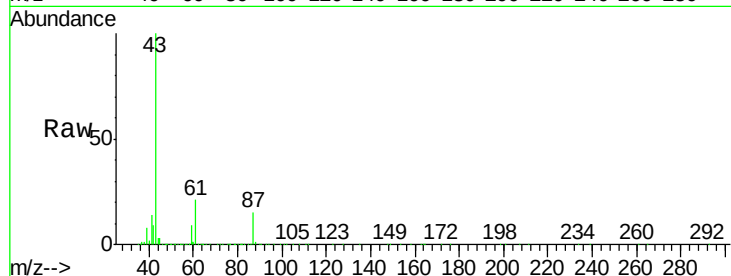
ClientSampleId :

VX1214WBSD01

Tgt Ion:	43	Resp:	264186
Ion Ratio		Lower	Upper
43	100		
61	21.6	16.8	25.2
87	15.4	11.9	17.9

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#44

Trichloroethene

Concen: 20.491 ug/l

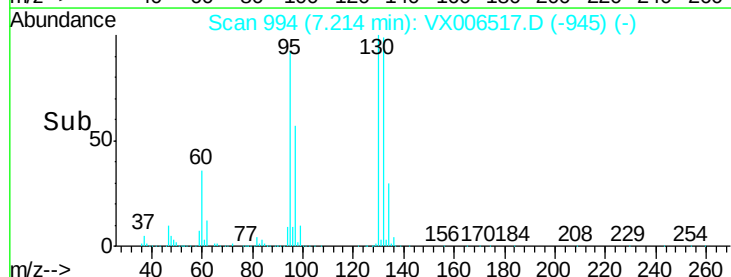
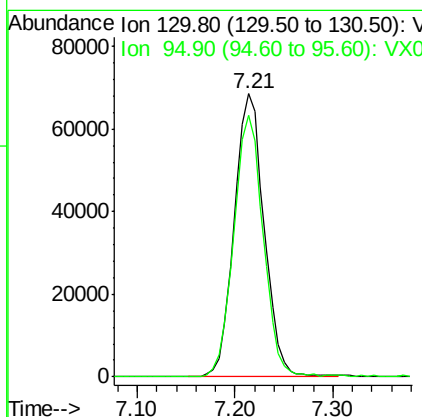
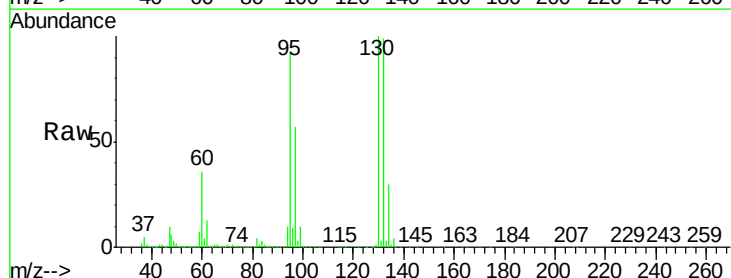
RT: 7.21 min Scan# 994

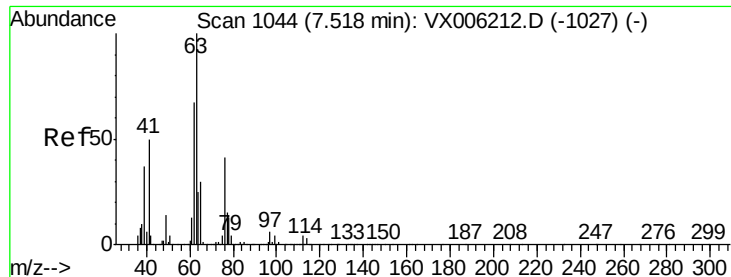
Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Tgt Ion:	130	Resp:	145475
Ion Ratio		Lower	Upper
130	100		
95	92.2	0.0	175.8





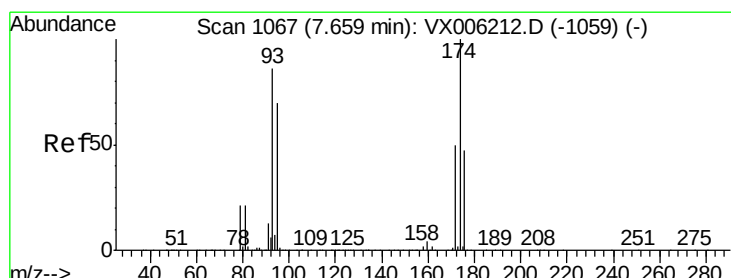
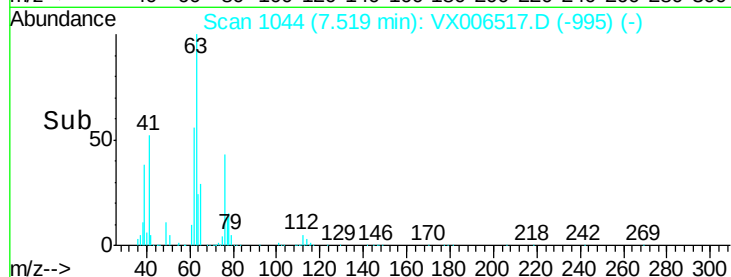
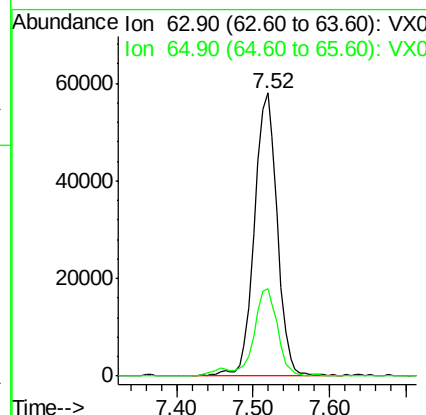
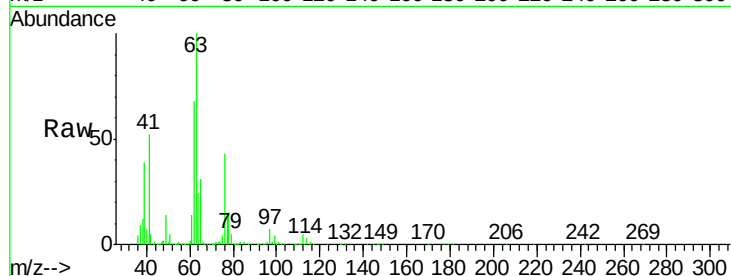
#45
 1,2-Dichloropropane
 Concen: 20.205 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.3	36.5

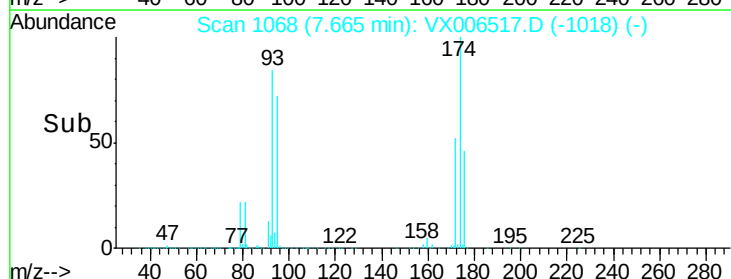
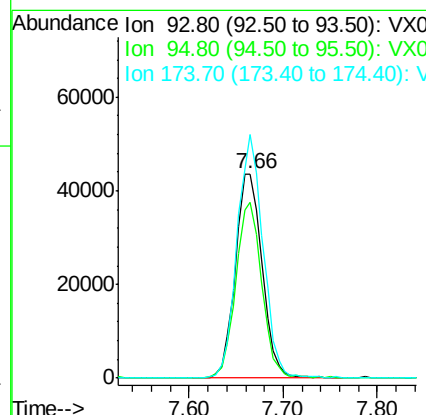
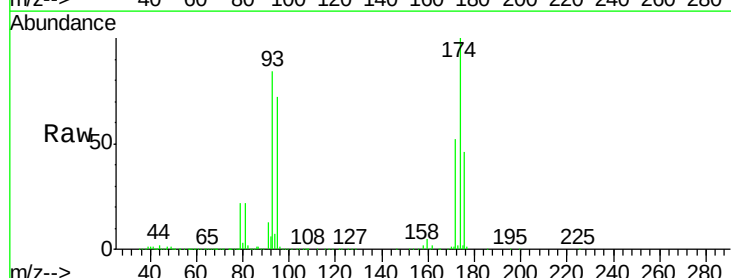
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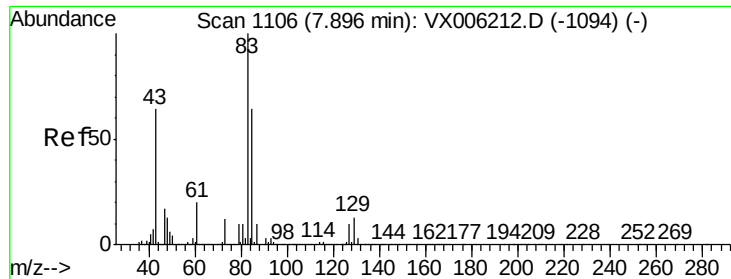
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#46
 Dibromomethane
 Concen: 20.056 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.2	99.4
174	114.8	97.2	145.8





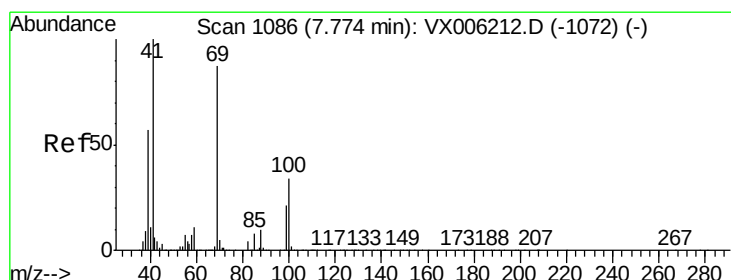
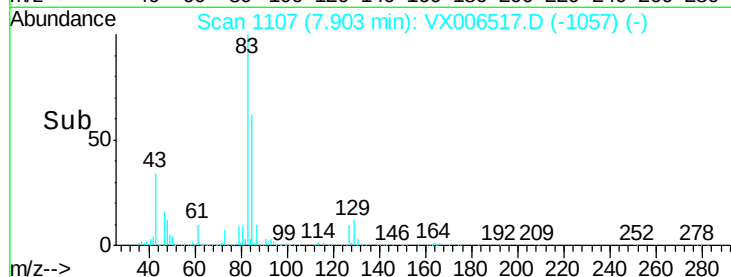
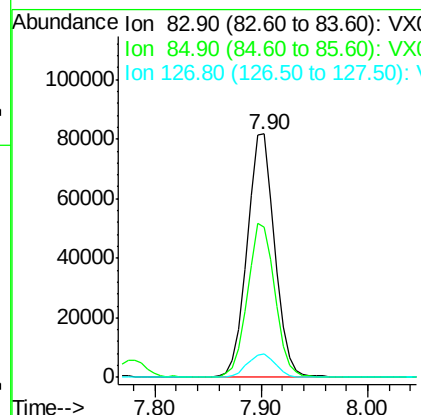
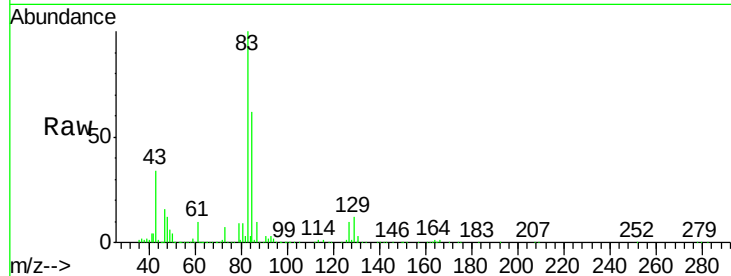
#47
Bromodichloromethane
Concen: 17.945 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	149484		
85	61.7	51.4	77.0	
127	9.8	7.9	11.9	

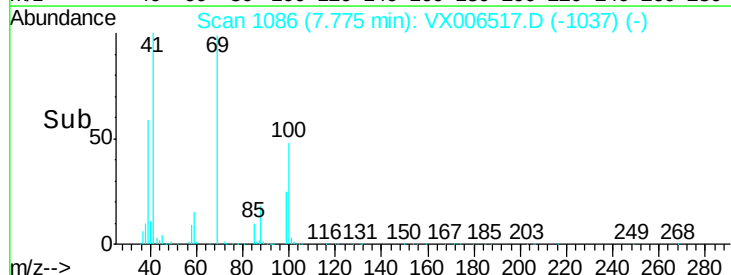
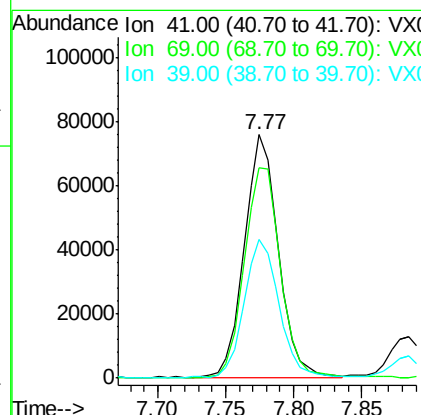
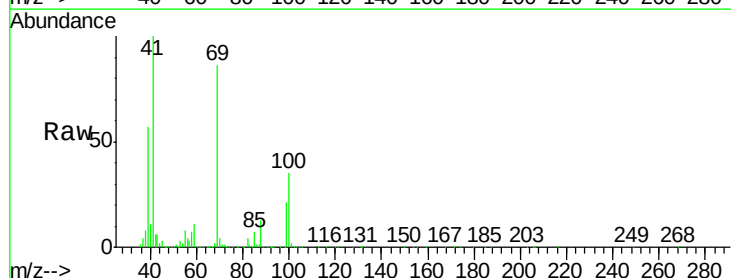
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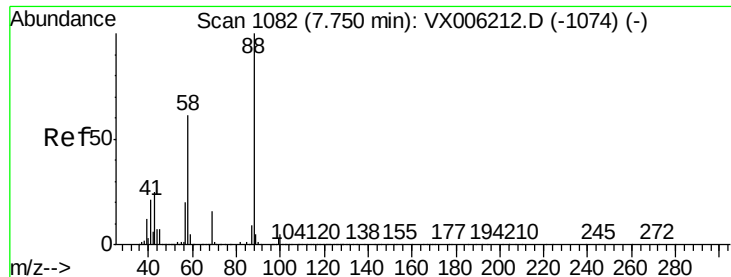
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#48
Methyl methacrylate
Concen: 18.627 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	132391		
69	93.1	70.3	105.5	
39	58.6	45.3	67.9	





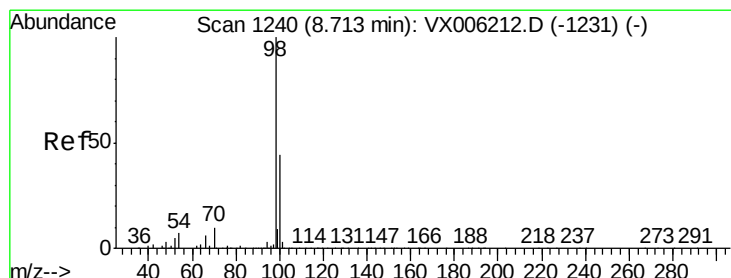
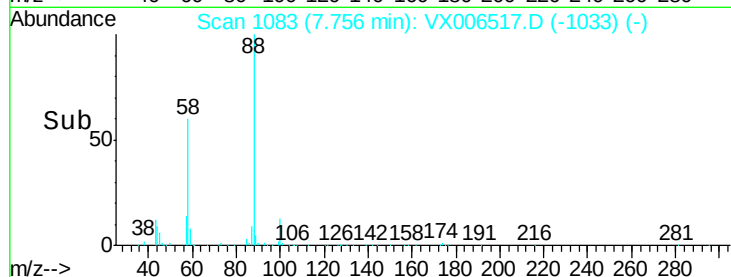
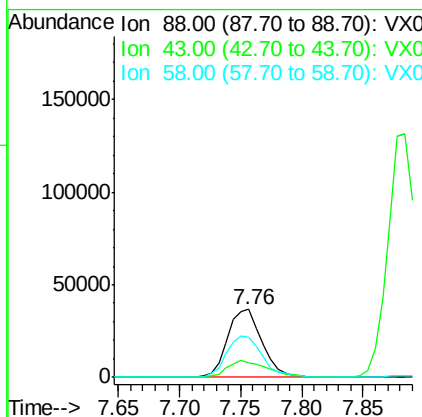
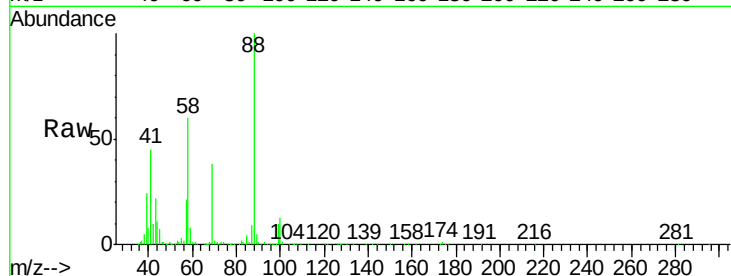
#49
1,4-Dioxane
Concen: 409.171 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.2	23.2	34.8
58	62.8	51.4	77.0

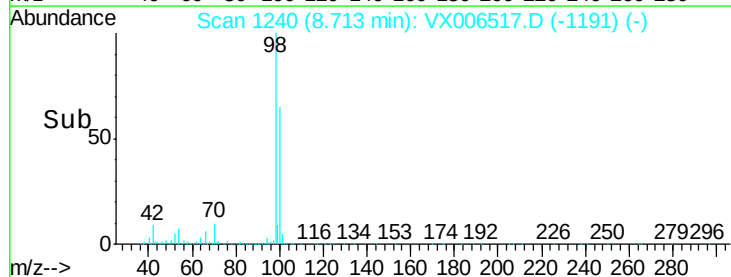
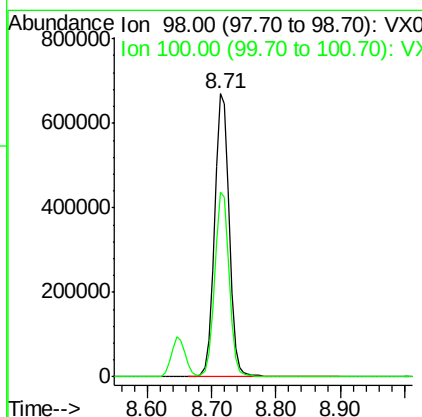
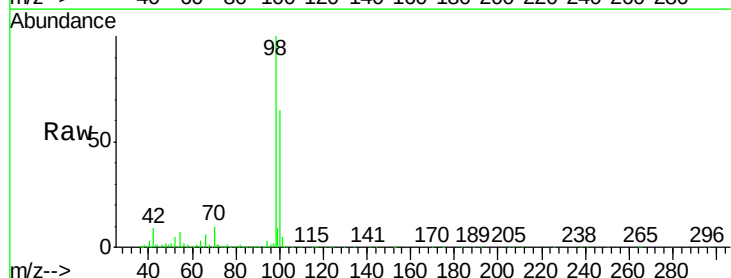
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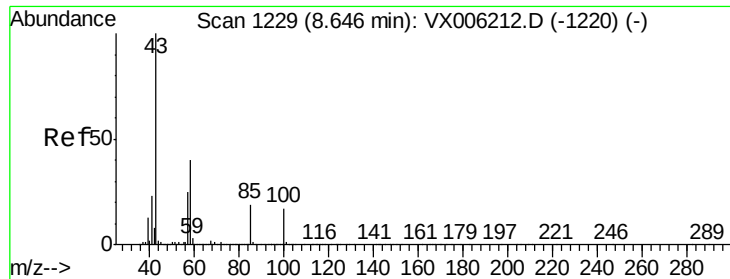
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#50
Toluene-d8
Concen: 49.362 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.2	78.2





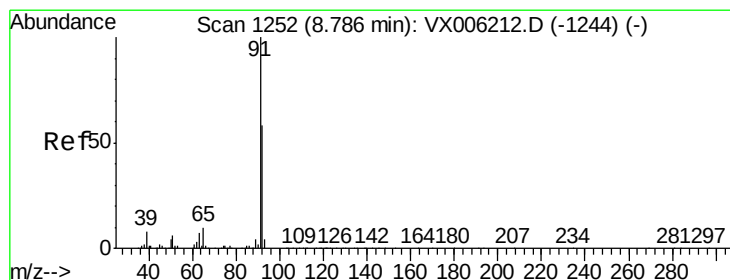
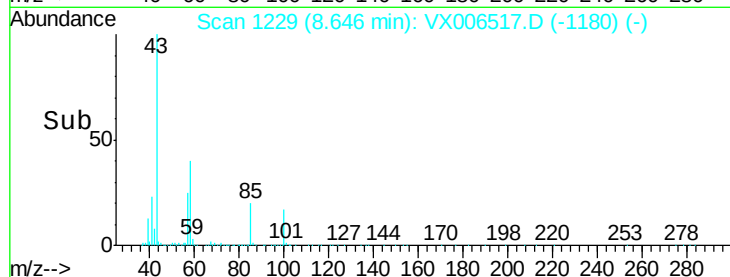
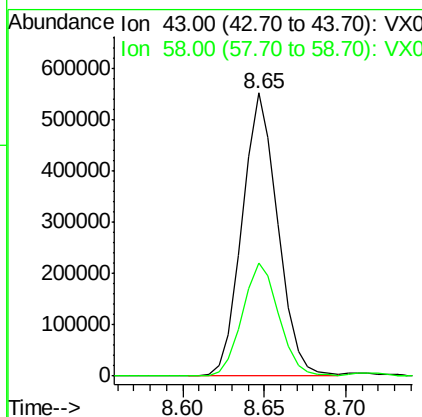
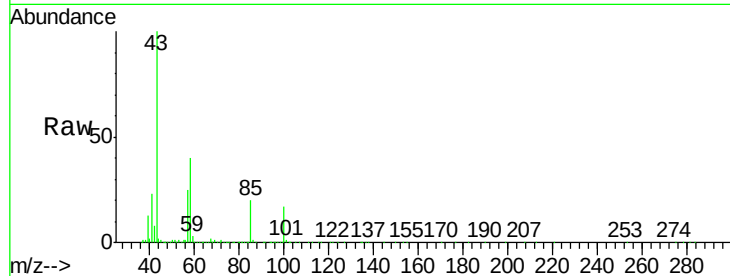
#51
 4-Methyl-2-Pentanone
 Concen: 98.800 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Tgt Ion: 43 Resp: 840282
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.3 46.9

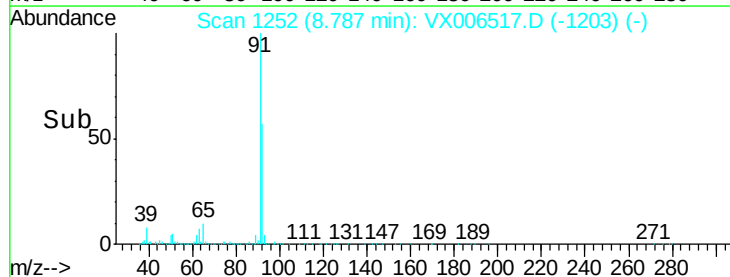
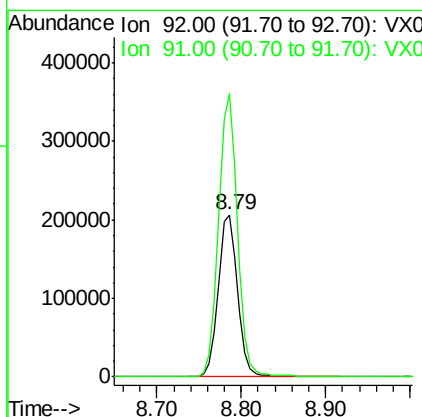
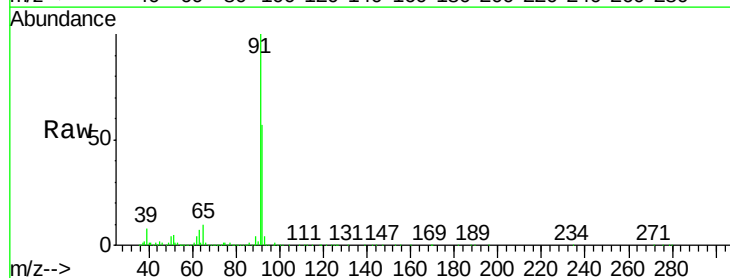
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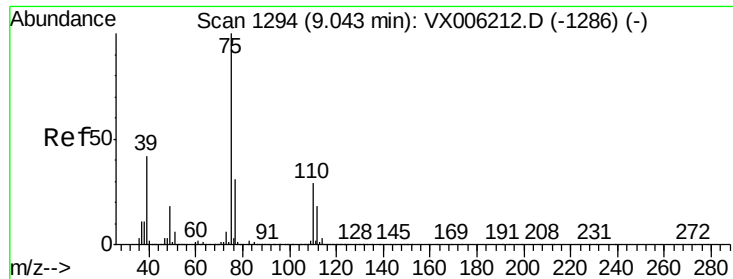
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#52
 Toluene
 Concen: 21.273 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Tgt Ion: 92 Resp: 327990
 Ion Ratio Lower Upper
 92 100
 91 171.3 139.2 208.8





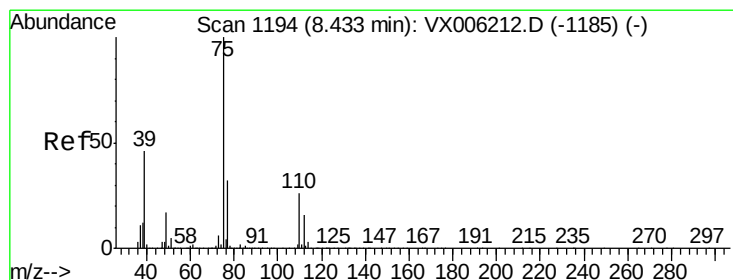
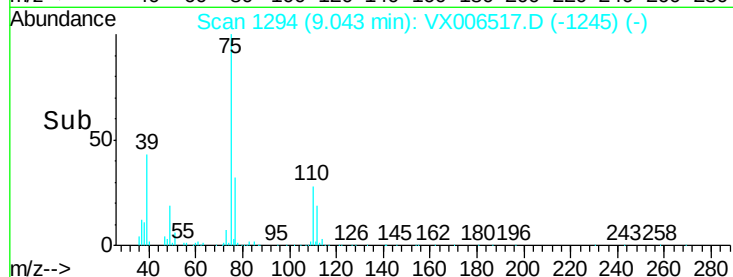
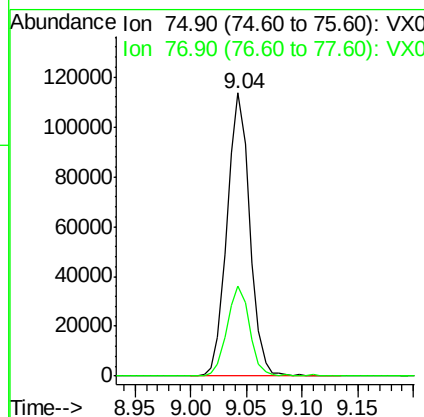
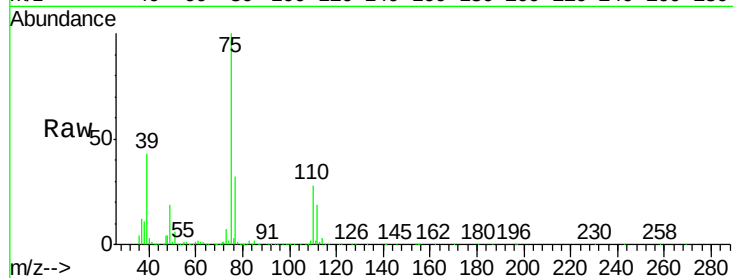
#53
t-1,3-Dichloropropene
Concen: 16.488 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion: 75 Resp: 160627
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.4

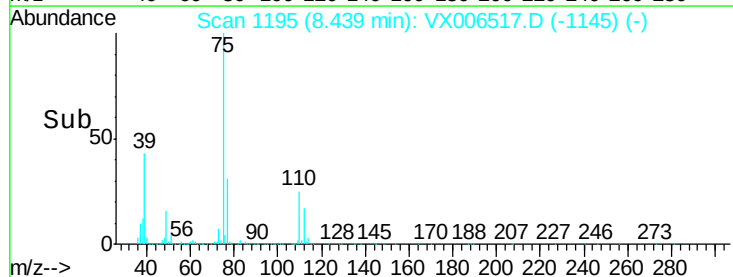
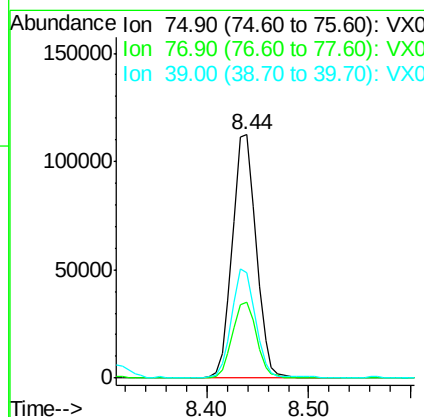
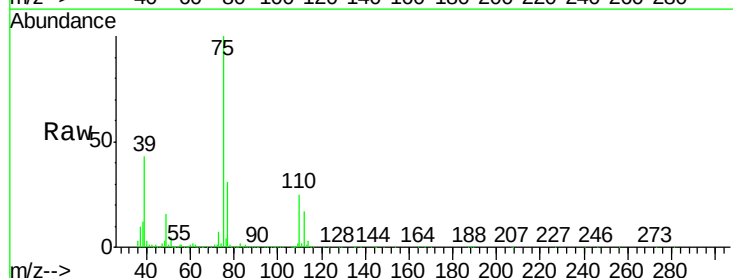
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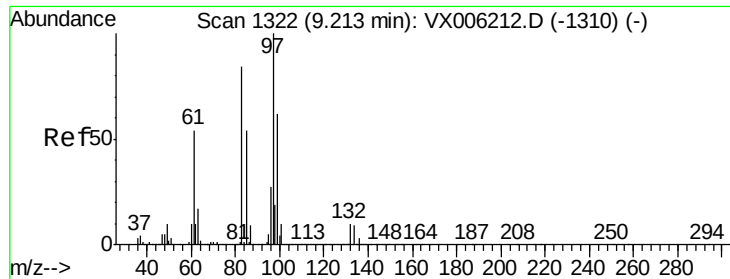
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#54
cis-1,3-Dichloropropene
Concen: 17.968 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion: 75 Resp: 181762
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4
39 43.2 36.5 54.7





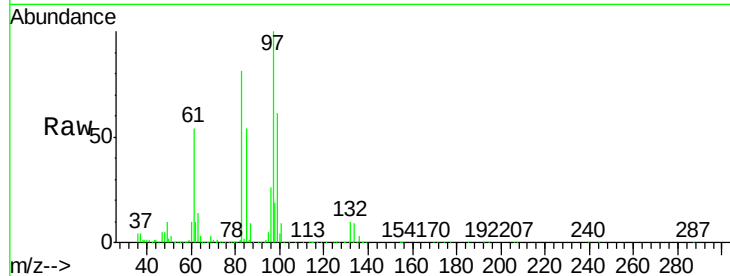
#55
 1,1,2-Trichloroethane
 Concen: 22.011 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

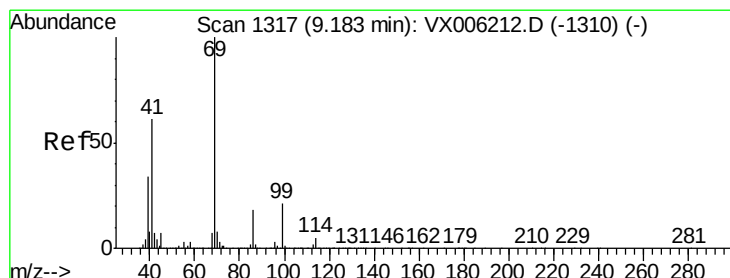
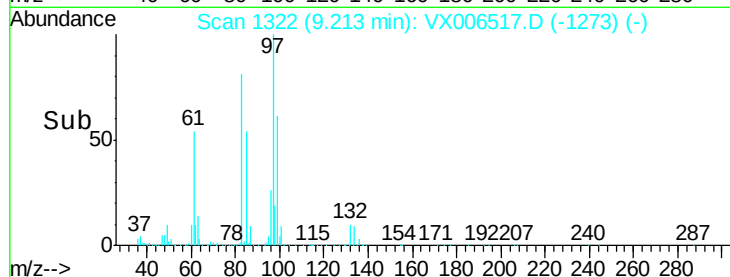
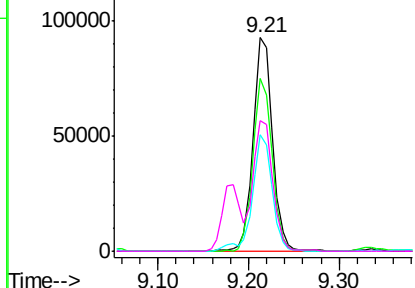
Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.9	67.1	100.7
85	54.4	43.2	64.8
99	61.4	49.8	74.6

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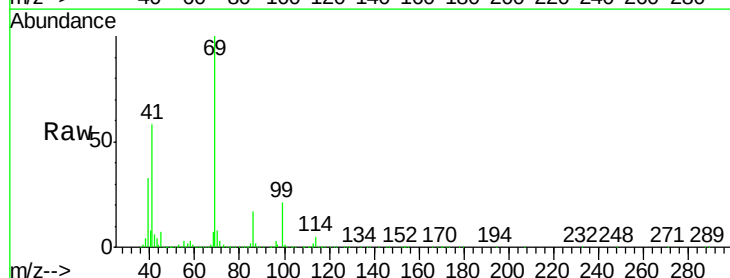


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

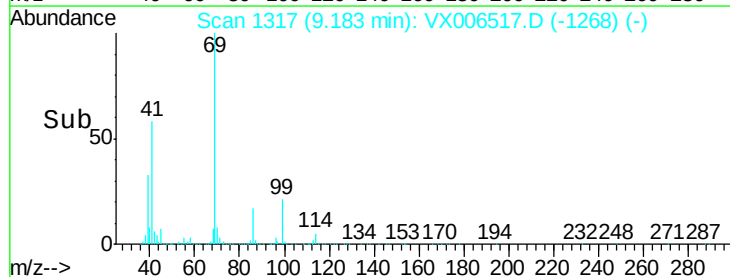
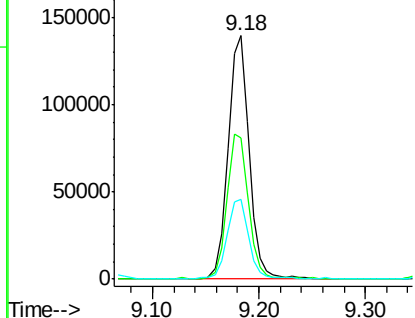


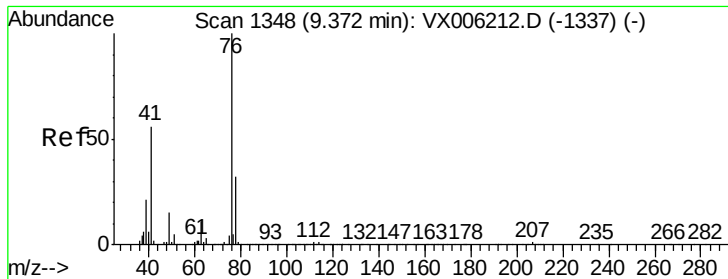
#56
 Ethyl methacrylate
 Concen: 19.714 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.4	50.6	76.0
39	33.5	27.6	41.4



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





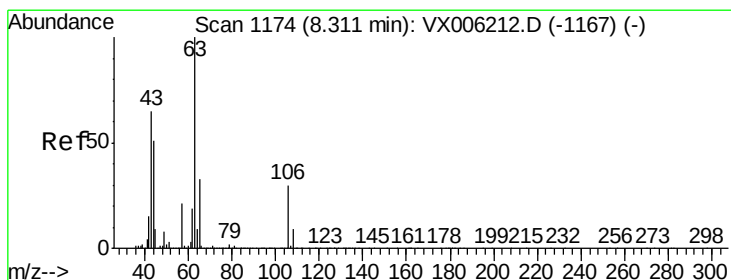
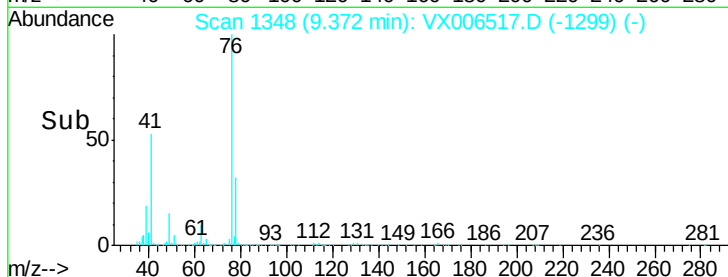
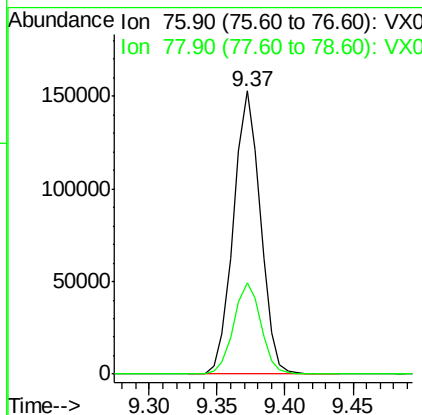
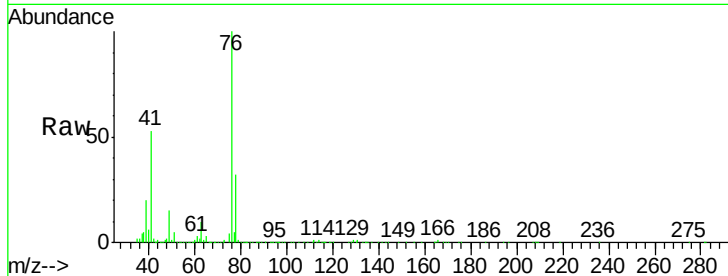
#57
 1,3-Dichloropropane
 Concen: 21.287 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Tgt Ion: 76 Resp: 210842
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

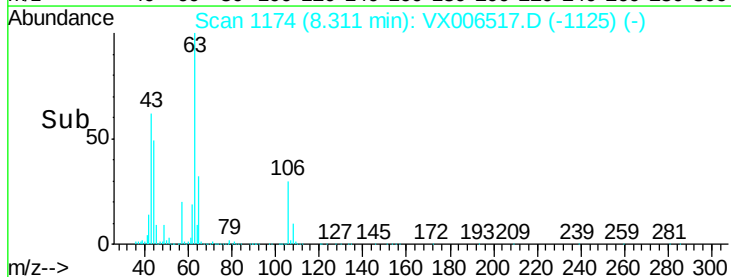
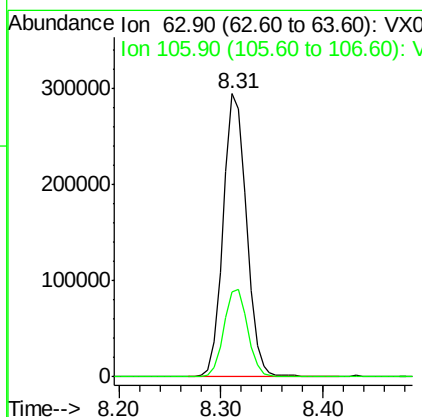
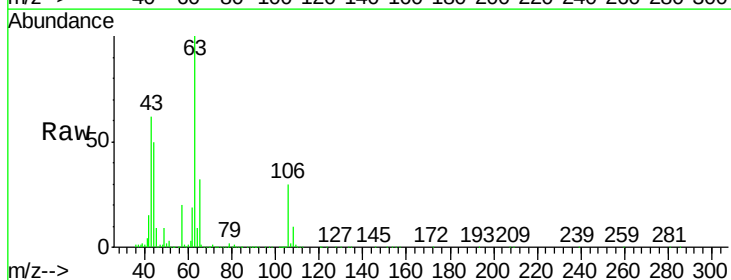
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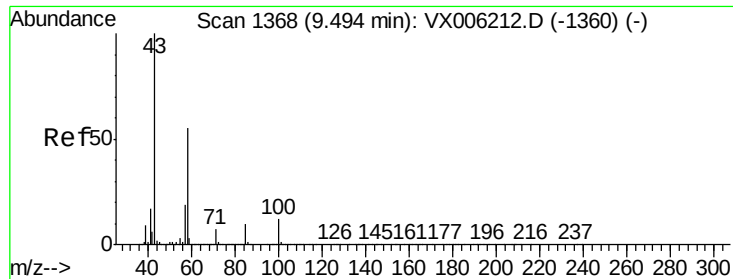
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#58
 2-Chloroethyl Vinyl ether
 Concen: 93.777 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Tgt Ion: 63 Resp: 465977
 Ion Ratio Lower Upper
 63 100
 106 31.6 24.9 37.3





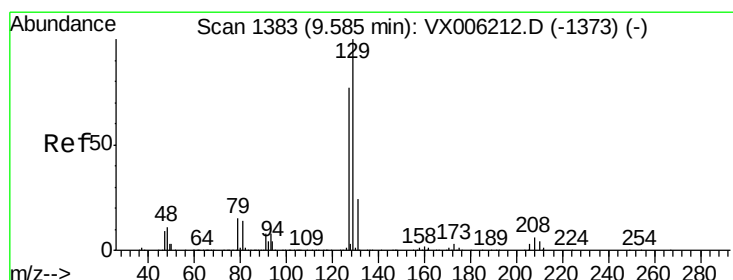
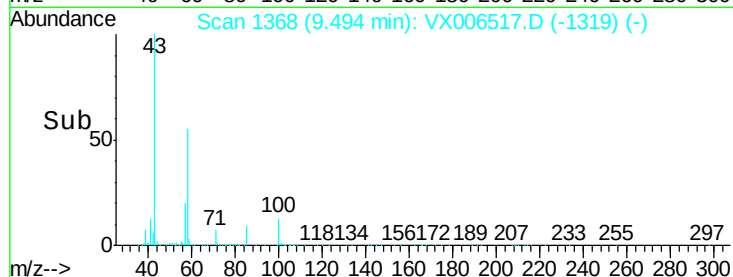
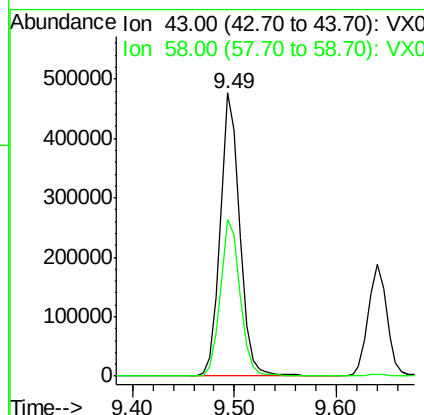
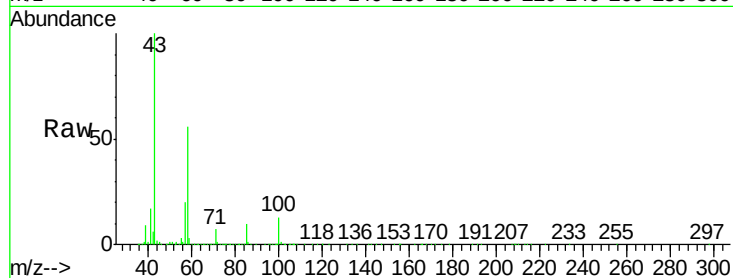
#59
2-Hexanone
Concen: 99.156 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion: 43 Resp: 644286
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.1

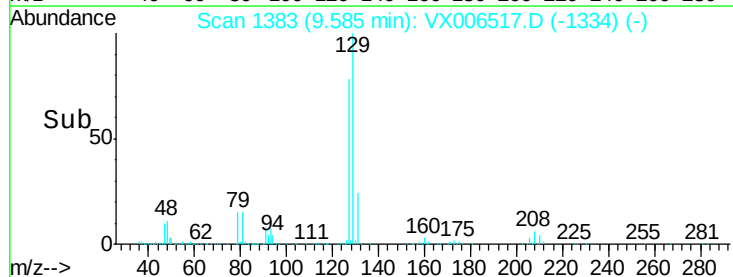
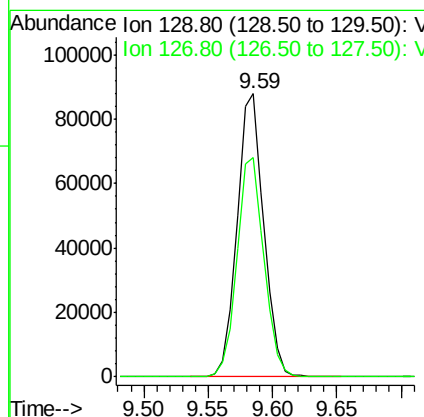
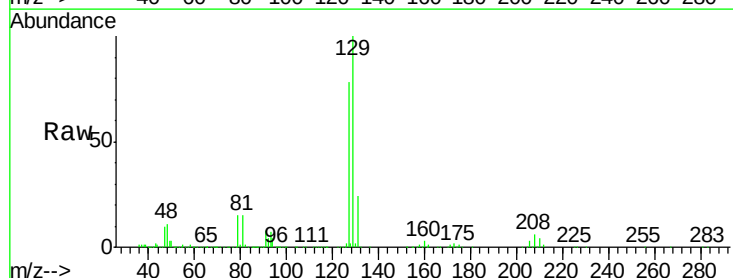
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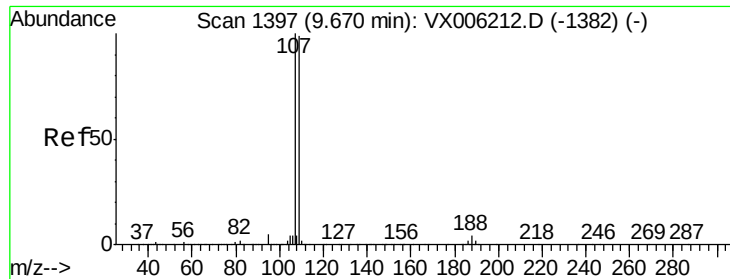
MMDadoda
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#60
Dibromochloromethane
Concen: 16.336 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion: 129 Resp: 126174
Ion Ratio Lower Upper
129 100
127 78.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.534 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 107 Resp: 143811

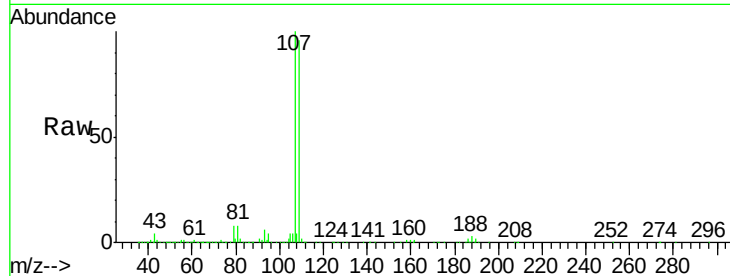
Ion Ratio Lower Upper

107 100

109 93.8 76.3 114.5

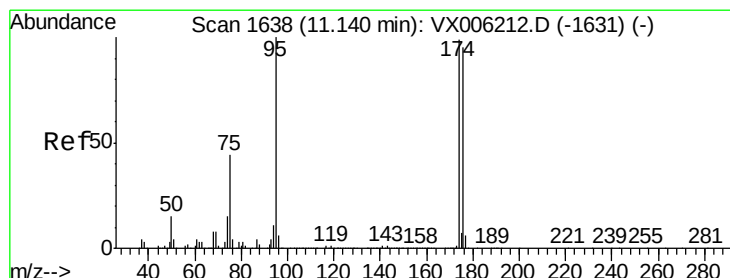
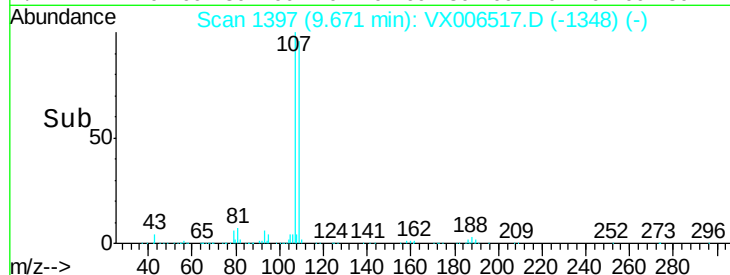
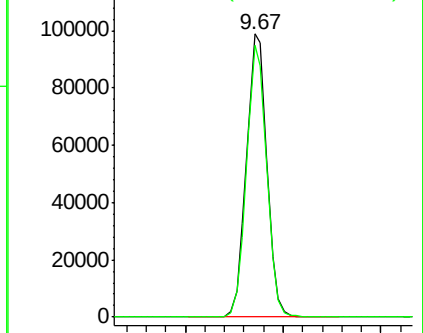
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.670 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

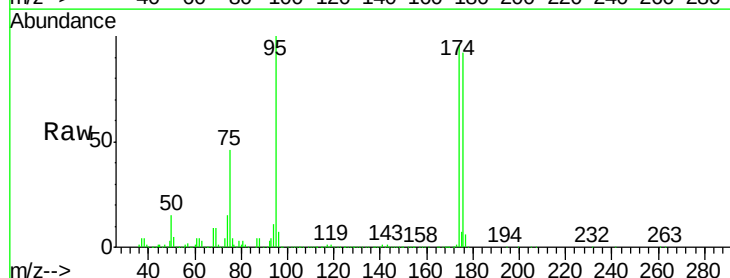
Tgt Ion: 95 Resp: 409577

Ion Ratio Lower Upper

95 100

174 90.4 0.0 187.0

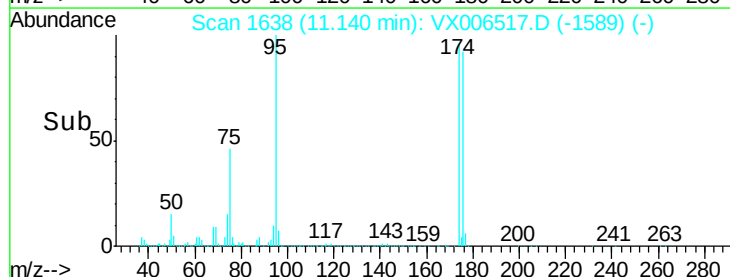
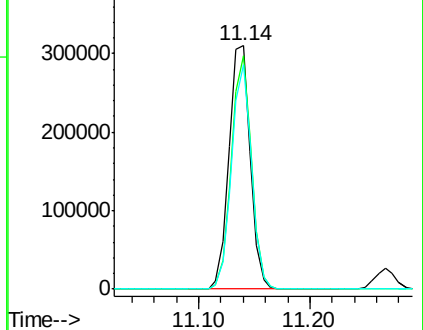
176 87.0 0.0 181.8

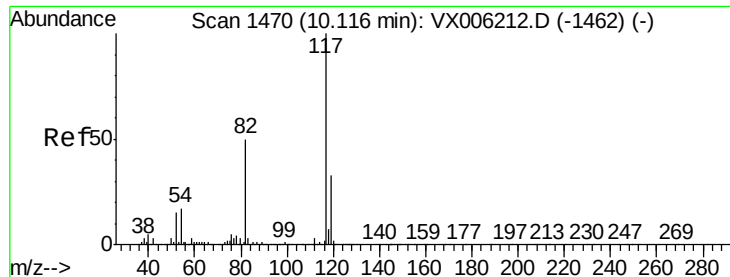


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





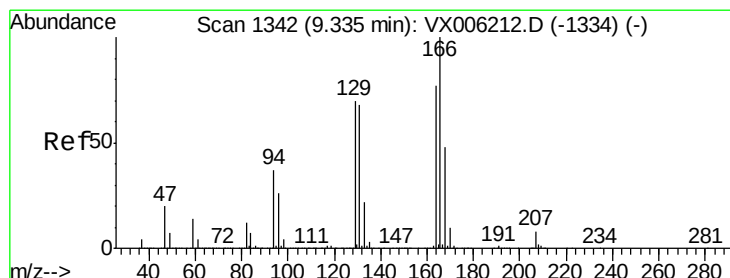
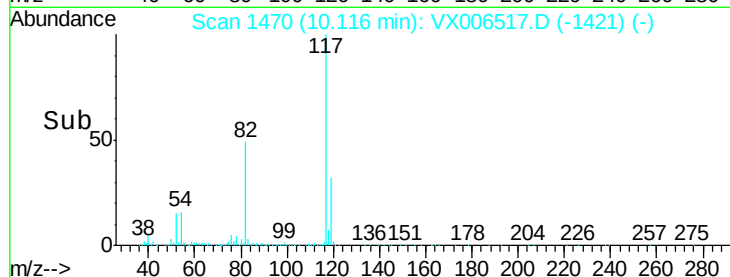
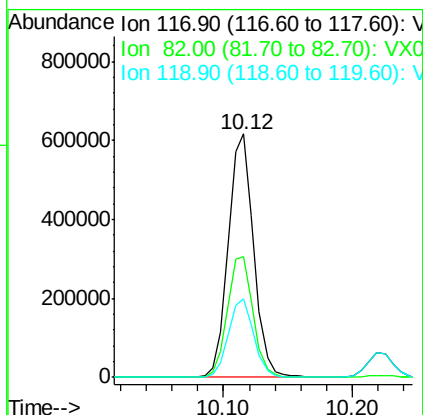
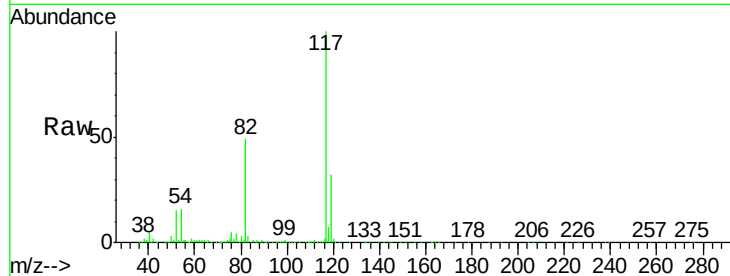
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	851345		
82	49.3	39.6	59.4	
119	32.4	26.3	39.5	

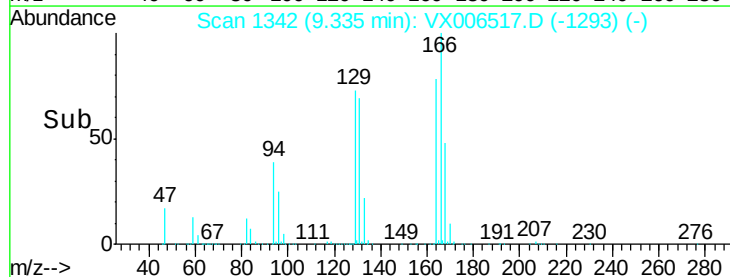
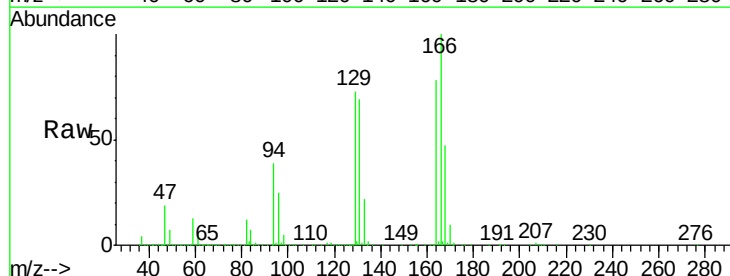
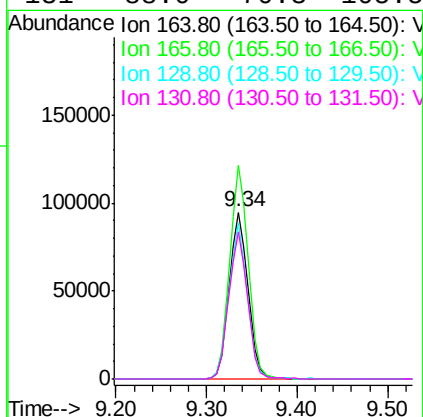
Manual Integrations
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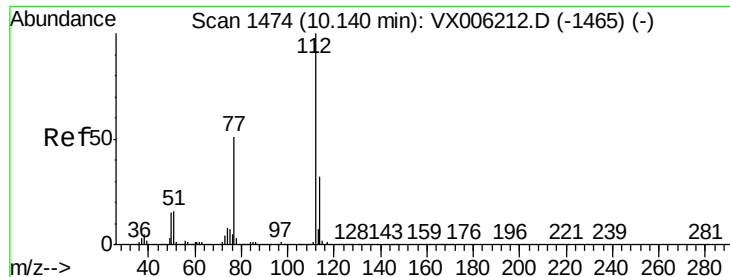
MMDadoda
12/17/2018 12:12:19 PM



#64
Tetrachloroethene
Concen: 21.339 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136814		
166	127.9	104.2	156.2	
129	93.6	72.6	108.8	
131	88.0	70.3	105.5	





#65

Chlorobenzene

Concen: 21.152 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion:112 Resp: 382263

Ion Ratio Lower Upper

112 100

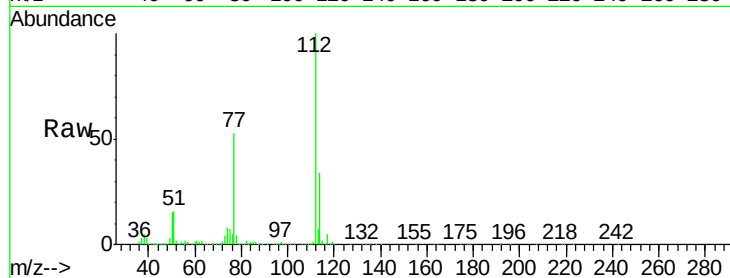
114 34.0 25.4 38.2

Manual Integrations

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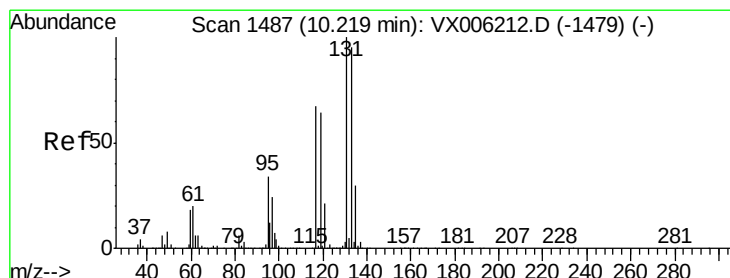
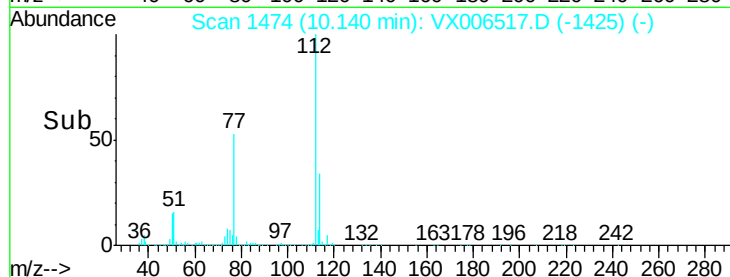
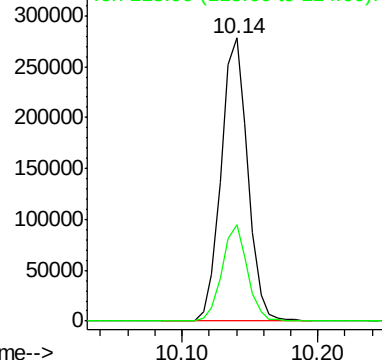
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.090 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

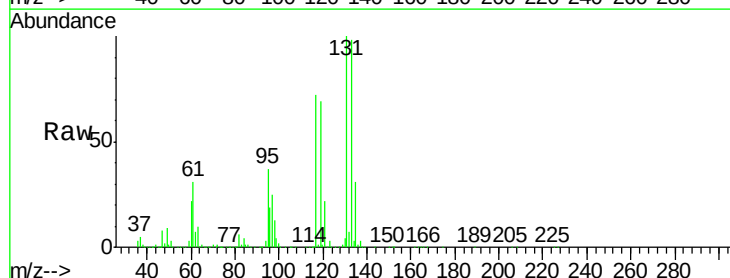
Tgt Ion:131 Resp: 127024

Ion Ratio Lower Upper

131 100

133 97.1 48.1 144.4

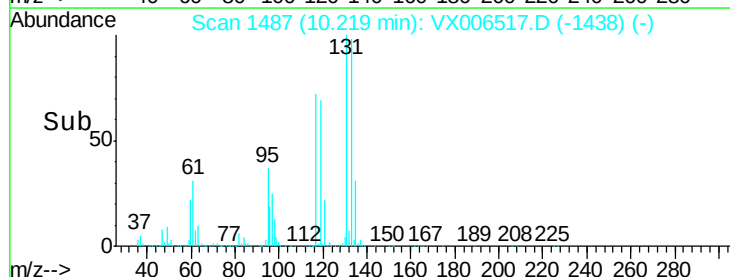
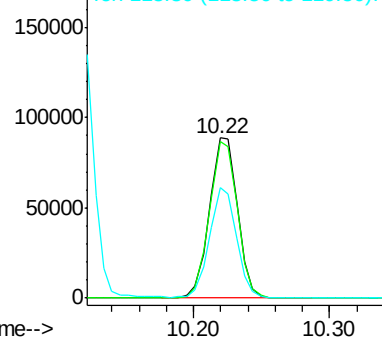
119 67.0 32.1 96.3

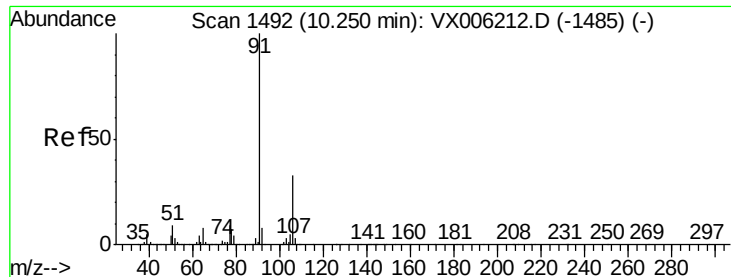


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.673 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 91 Resp: 621393

Ion Ratio Lower Upper

91 100

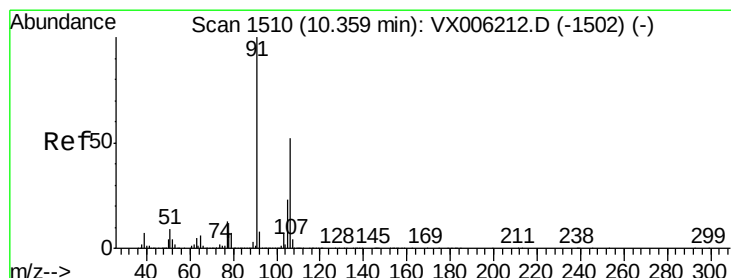
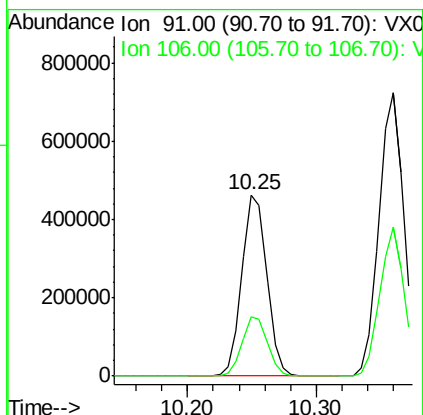
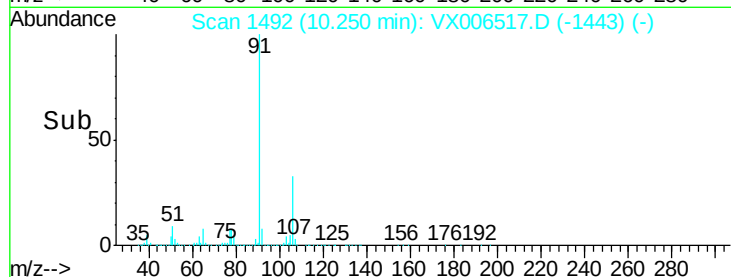
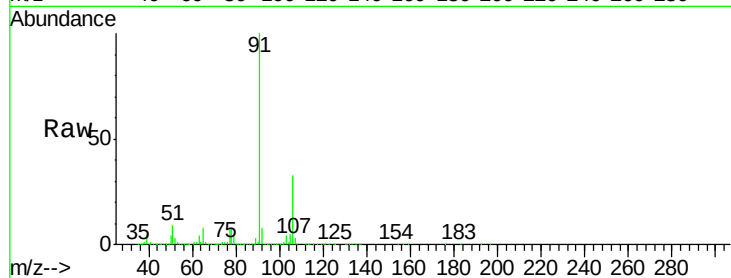
106 32.9 26.5 39.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.245 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006517.D

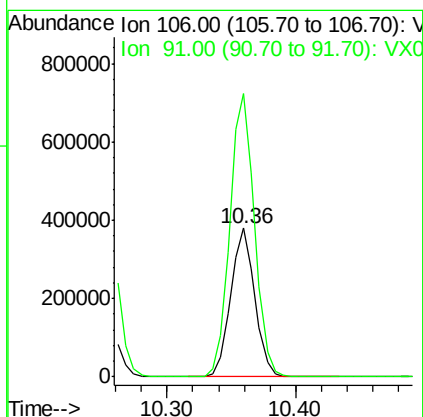
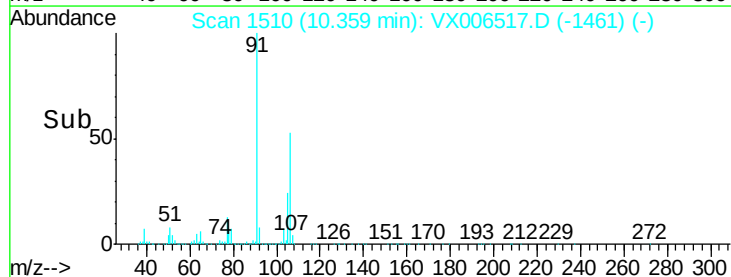
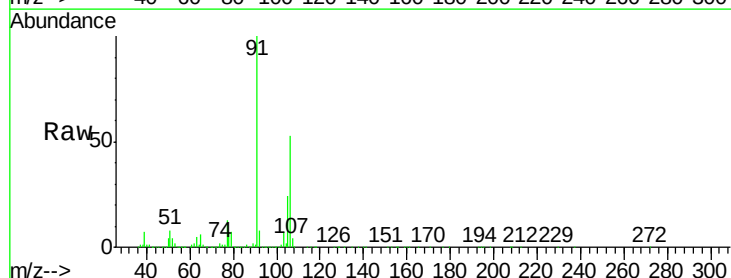
Acq: 14 Dec 2018 14:45

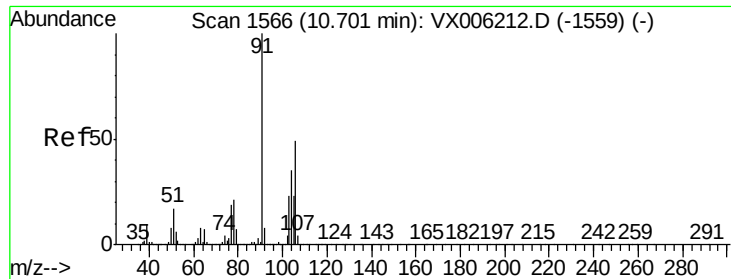
Tgt Ion: 106 Resp: 496597

Ion Ratio Lower Upper

106 100

91 194.6 155.2 232.8





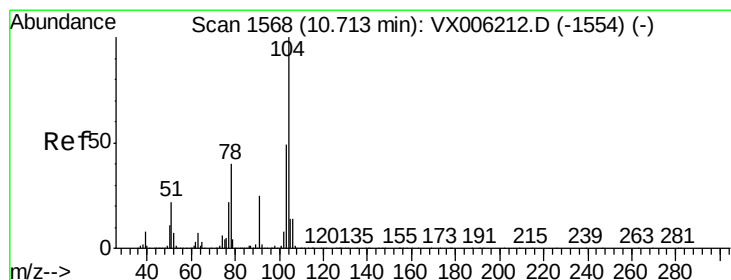
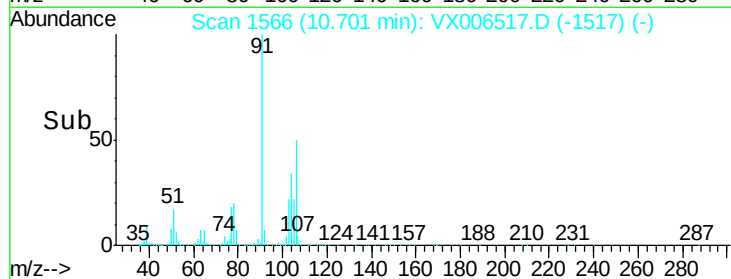
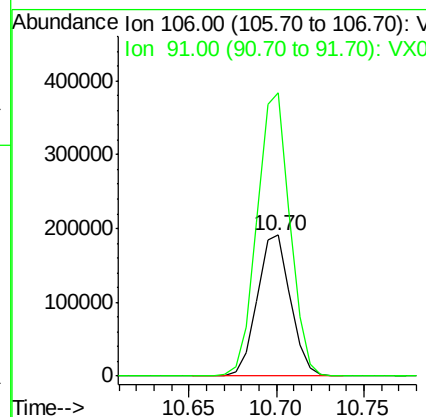
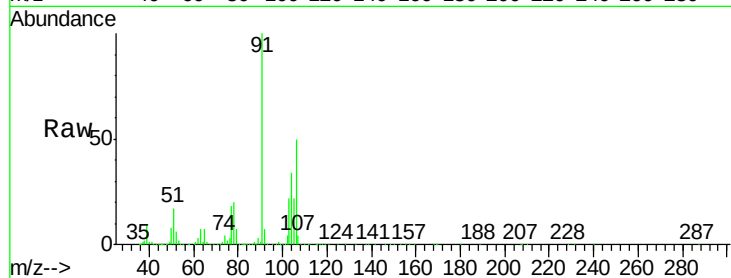
#69
o-Xylene
Concen: 21.217 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	252337		
91	199.2	101.8	305.6	

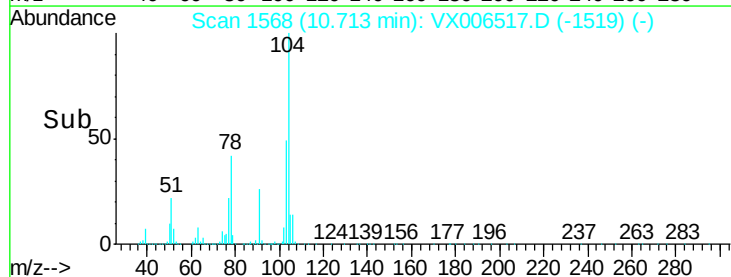
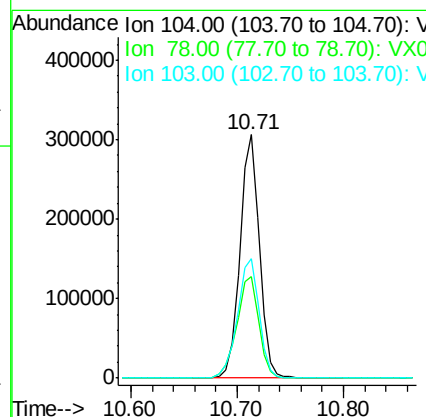
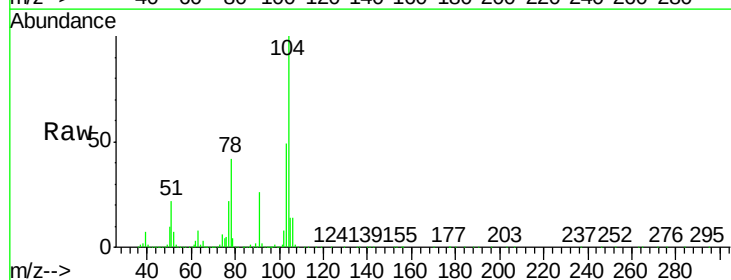
Manual Integrations
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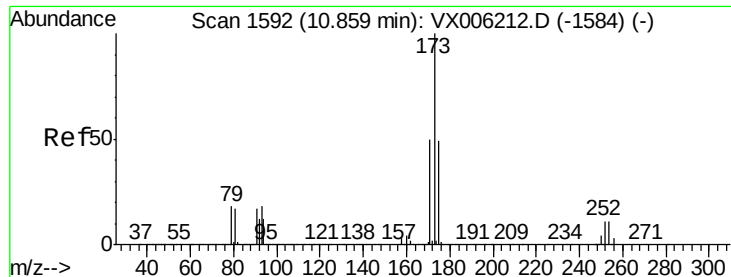
MMDadoda
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#70
Styrene
Concen: 20.403 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	392451		
78	47.6	37.2	55.8	
103	54.9	43.5	65.3	





#71

Bromoform

Concen: 13.733 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion:173 Resp: 91030

Ion Ratio Lower Upper

173 100

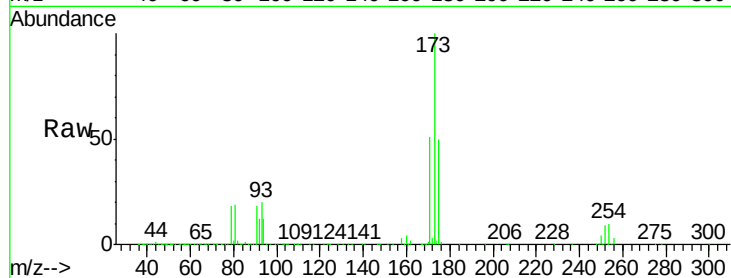
175 49.5 24.6 73.8

254 0.1 0.2 0.2#

Manual Integrations
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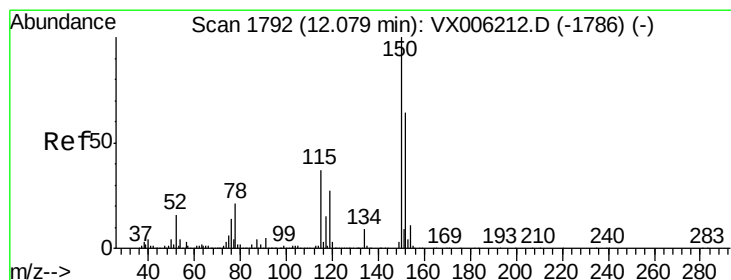
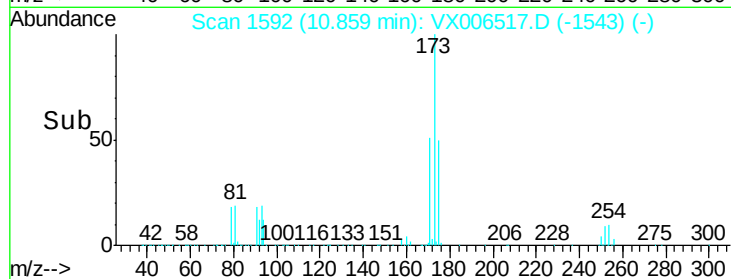
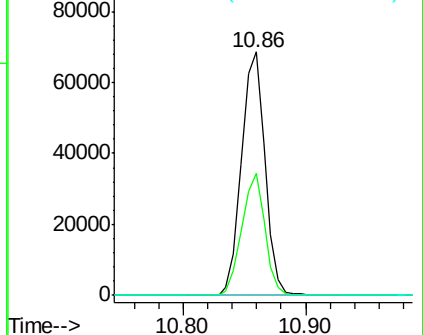
12/17/2018 12:12:19 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

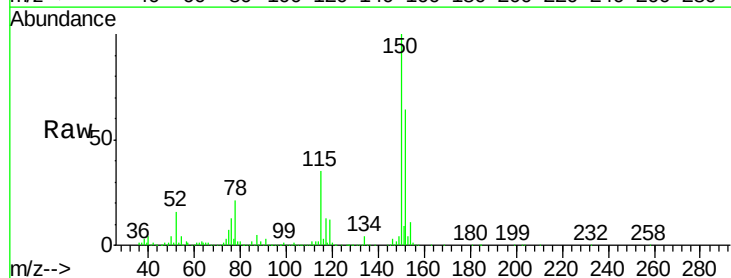
Tgt Ion:152 Resp: 442006

Ion Ratio Lower Upper

152 100

115 65.0 39.0 116.9

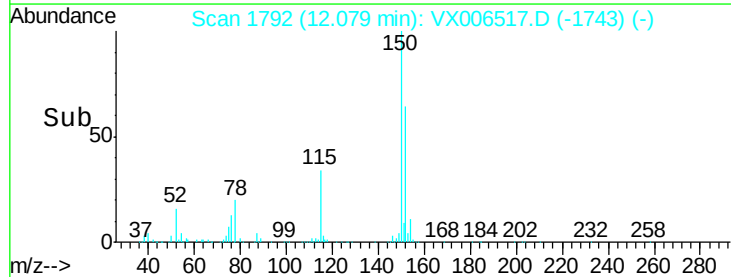
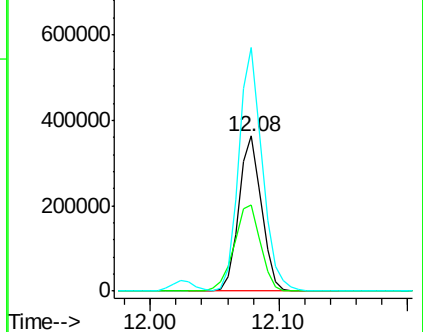
150 162.8 0.0 345.8

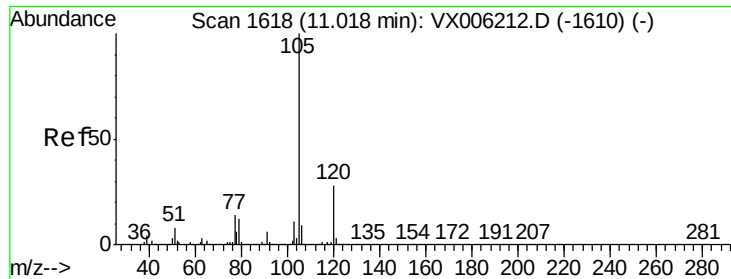


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.277 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 105 Resp: 649481

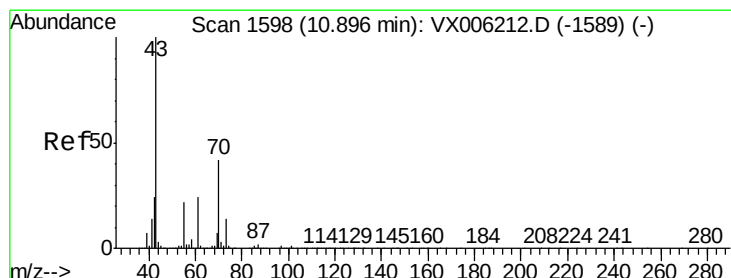
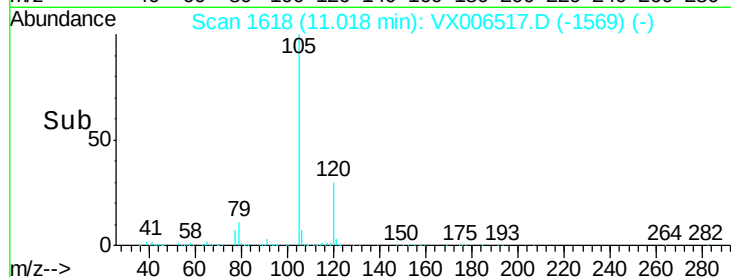
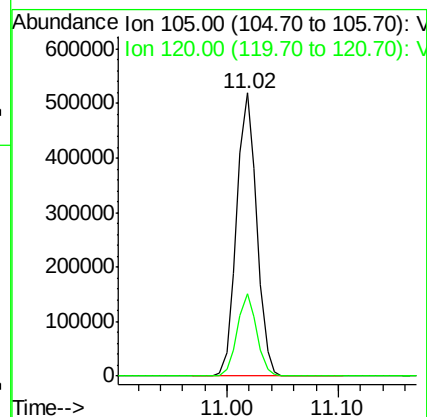
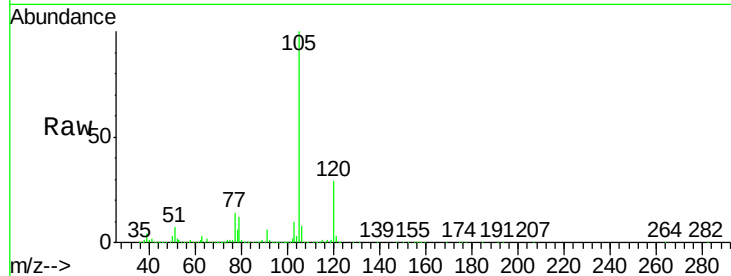
Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.399 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Tgt Ion: 43 Resp: 241839

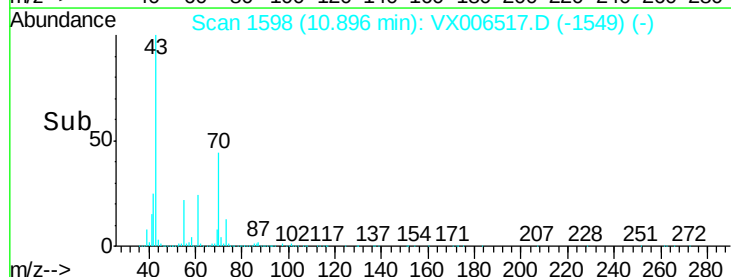
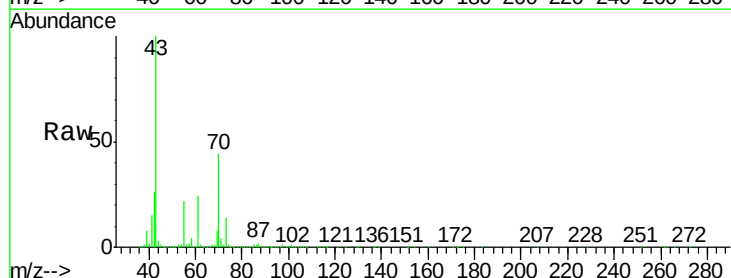
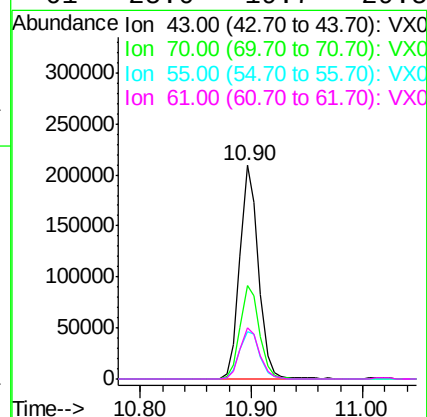
Ion Ratio Lower Upper

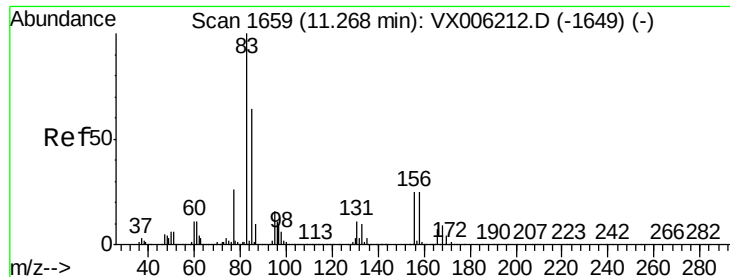
43 100

70 45.4 34.1 51.1

55 24.1 17.8 26.8

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.425 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 83 Resp: 199457
Ion Ratio Lower Upper

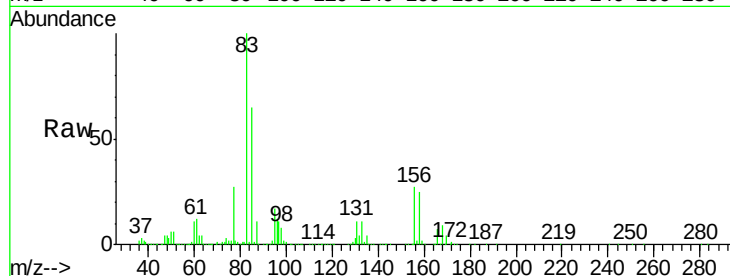
83 100

131 11.0 5.7 17.1

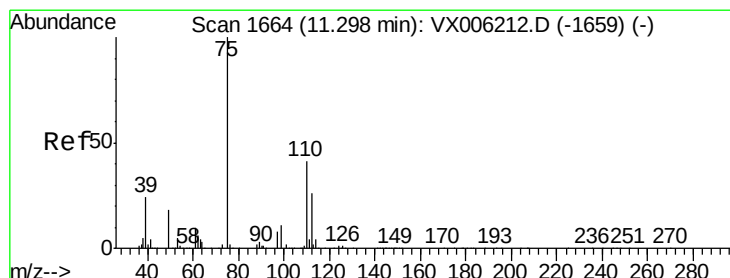
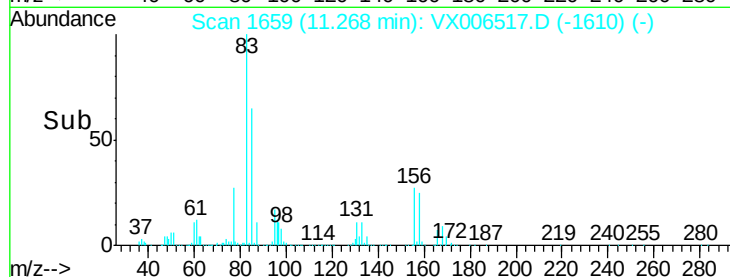
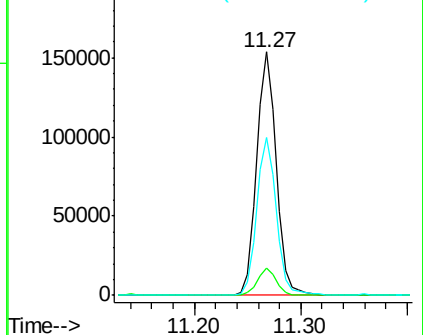
85 64.7 32.1 96.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.462 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

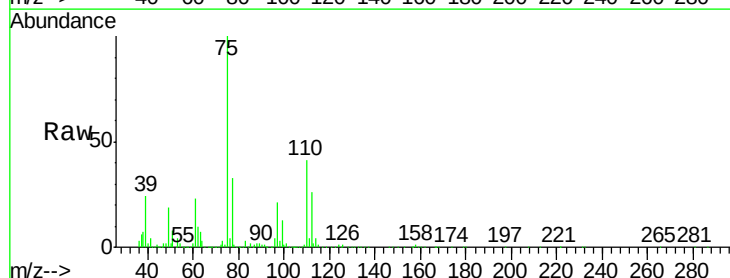
Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

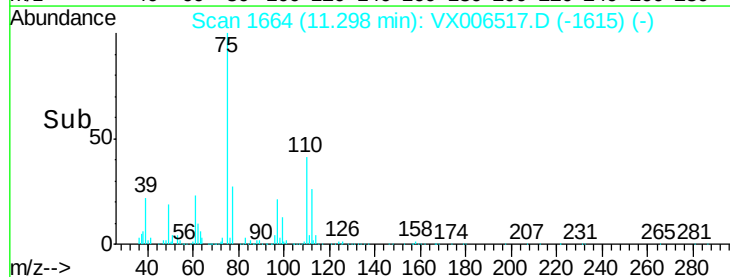
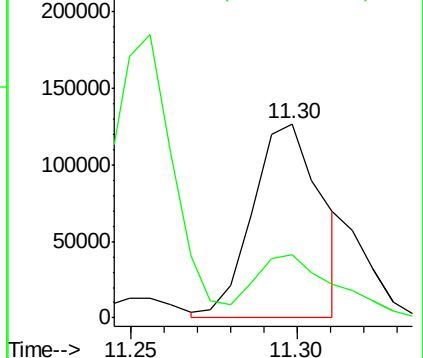
Tgt Ion: 75 Resp: 183098
Ion Ratio Lower Upper

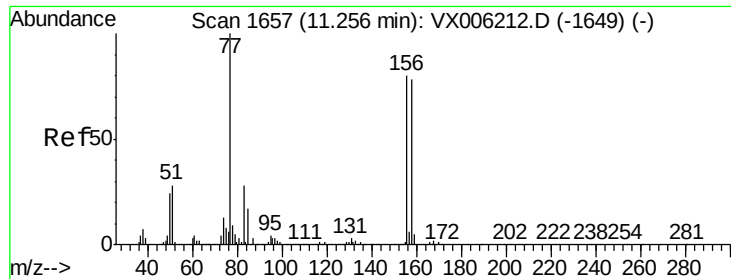
75 100

77 37.7 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.574 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

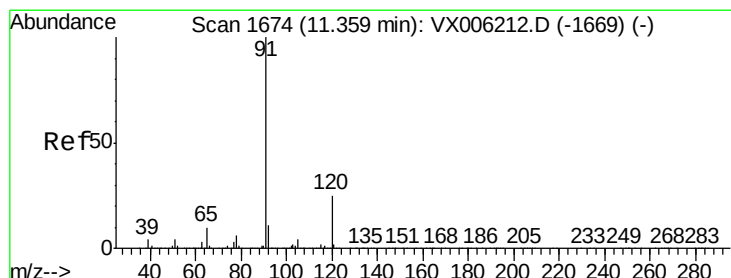
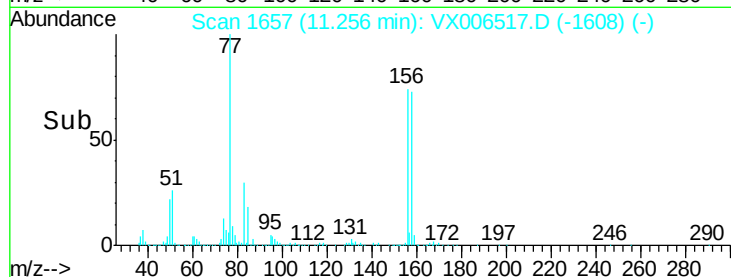
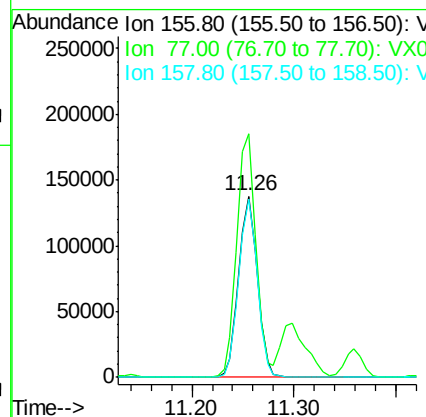
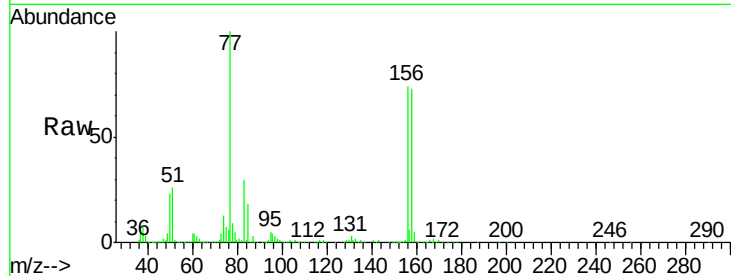
ClientSampleId :

VX1214WBSD01

Tgt Ion:	156	Resp:	174281
Ion Ratio	Lower	Upper	
156	100		
77	138.0	66.2	198.6
158	97.8	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 20.934 ug/l

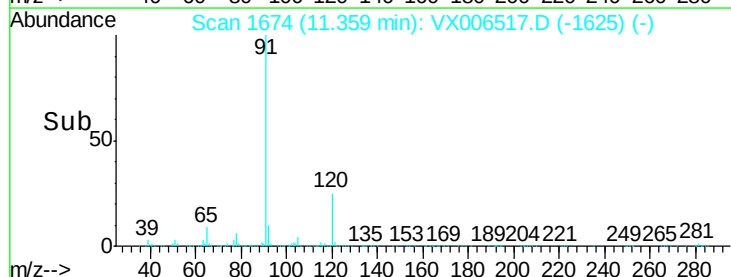
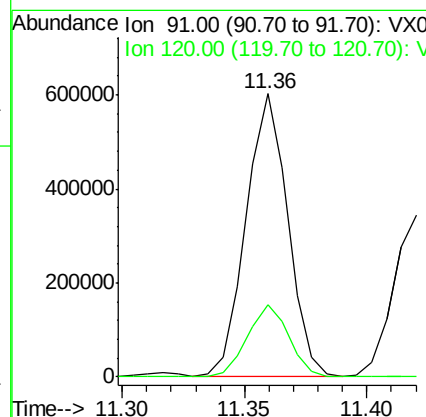
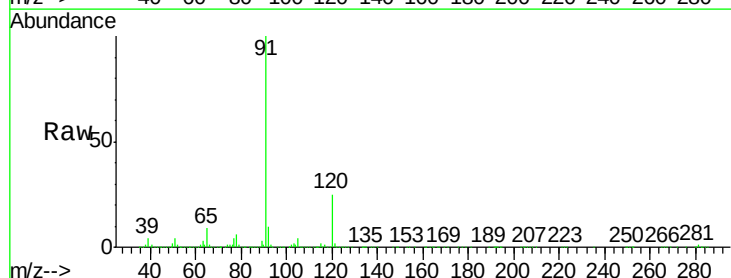
RT: 11.36 min Scan# 1674

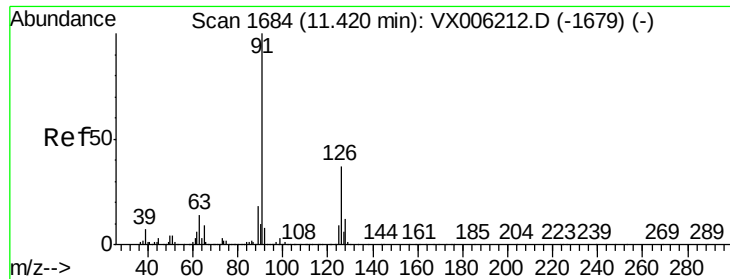
Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Tgt Ion:	91	Resp:	710320
Ion Ratio	Lower	Upper	
91	100		
120	25.6	12.7	38.0





#79

2-Chlorotoluene

Concen: 21.289 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion: 91 Resp: 429332

Ion Ratio Lower Upper

91 100

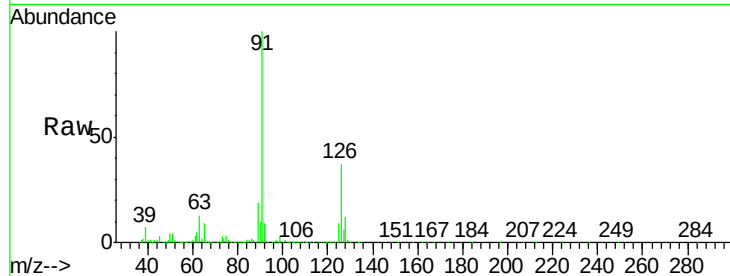
126 37.5 18.6 56.0

Manual Integrations

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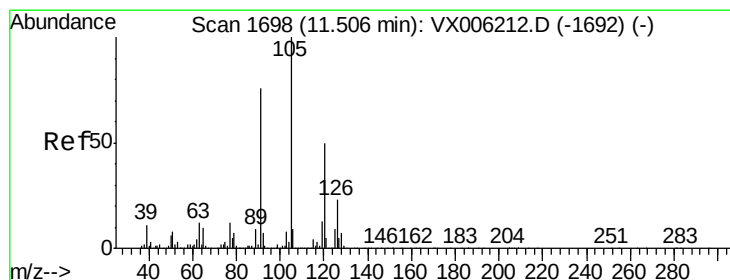
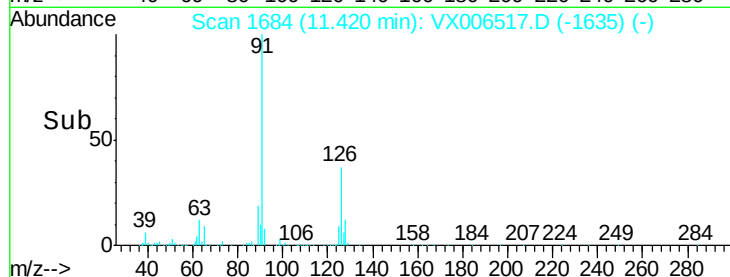
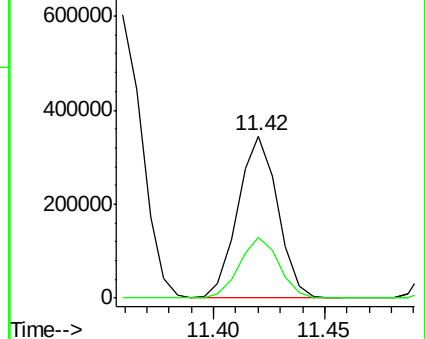
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.957 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006517.D

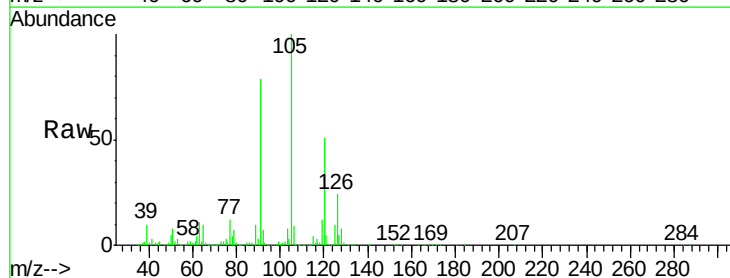
Acq: 14 Dec 2018 14:45

Tgt Ion: 105 Resp: 532255

Ion Ratio Lower Upper

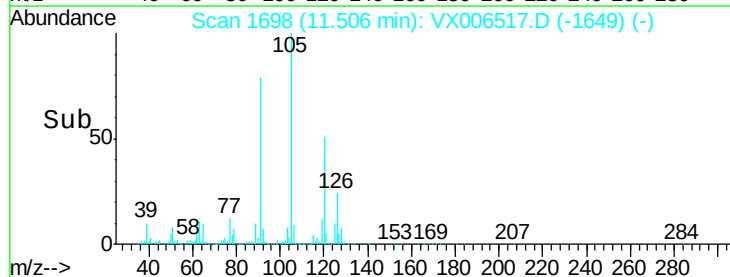
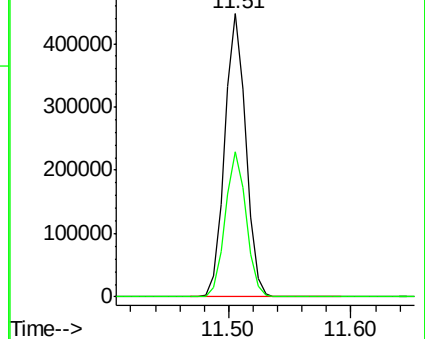
105 100

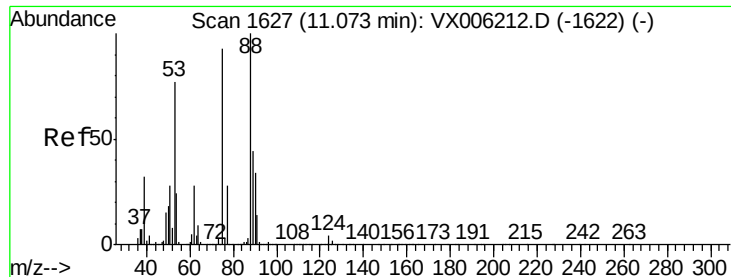
120 50.9 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





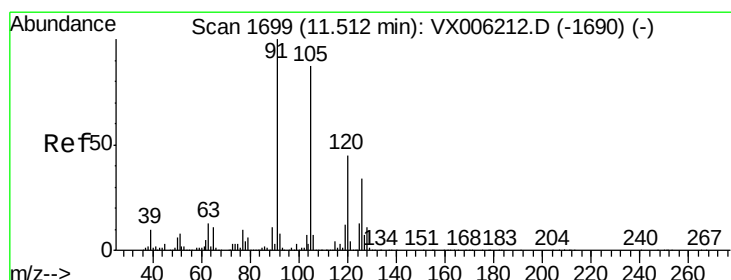
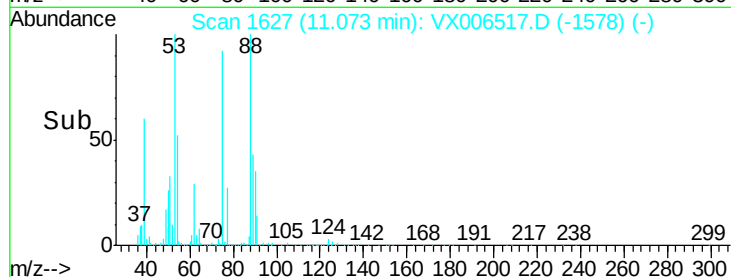
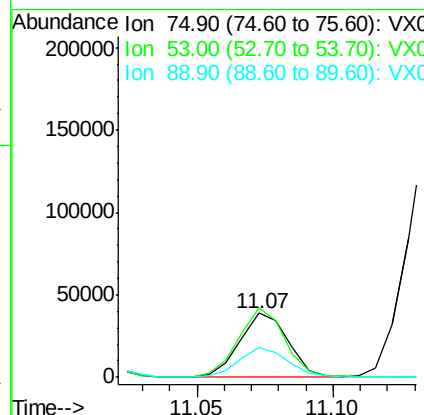
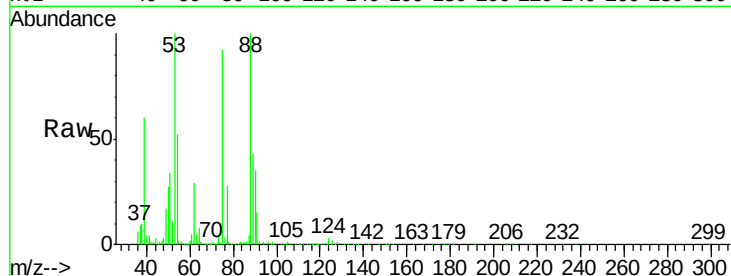
#81
trans-1,4-Dichloro-2-butene
Concen: 13.101 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	105.9	64.4	96.6#
89	47.4	44.2	66.4

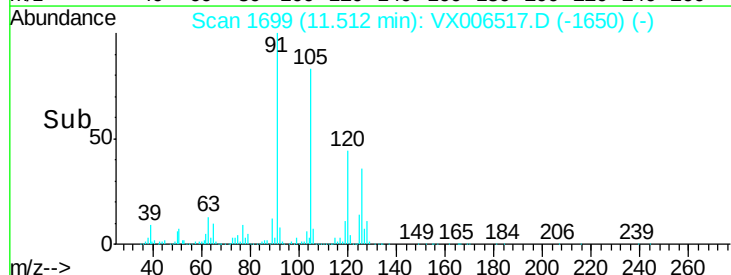
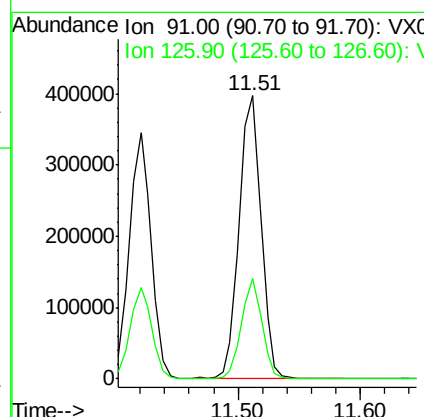
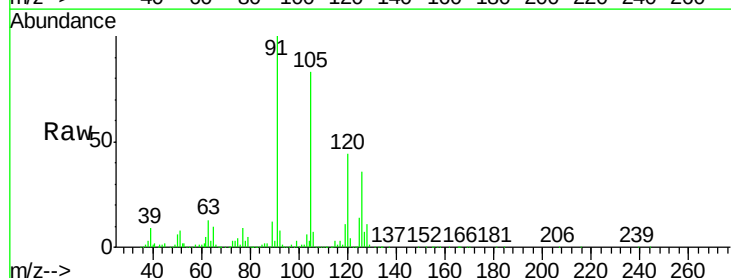
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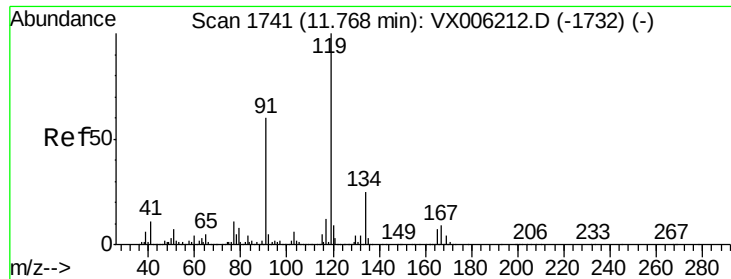
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#82
4-Chlorotoluene
Concen: 20.897 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4





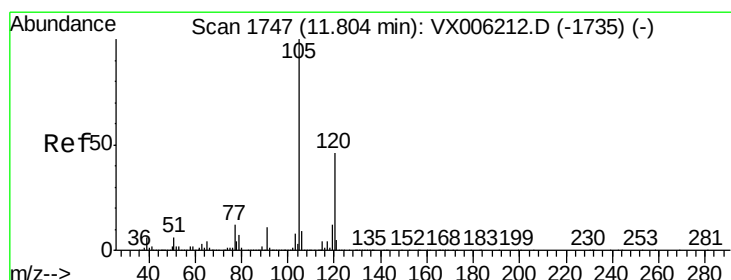
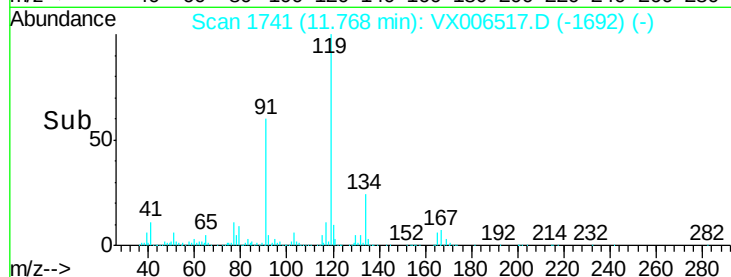
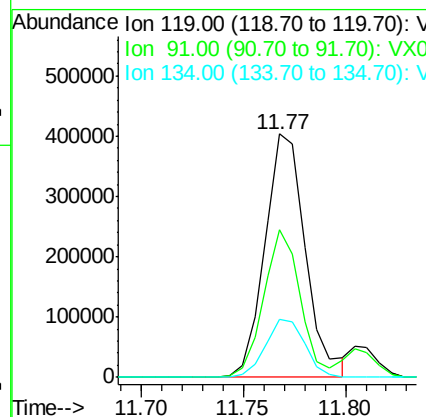
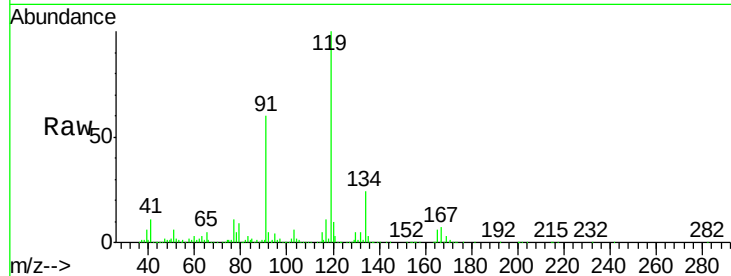
#83
 tert-Butylbenzene
 Concen: 20.693 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	560733		
91	54.5	26.4	79.2	
134	23.3	11.6	34.7	

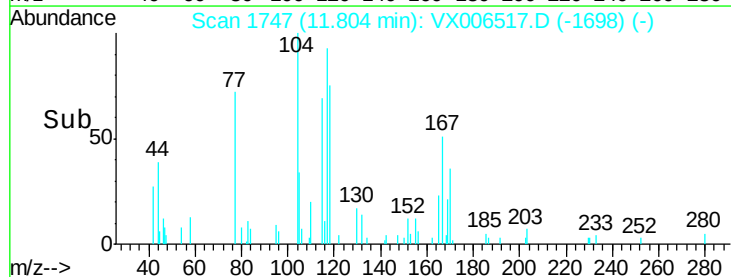
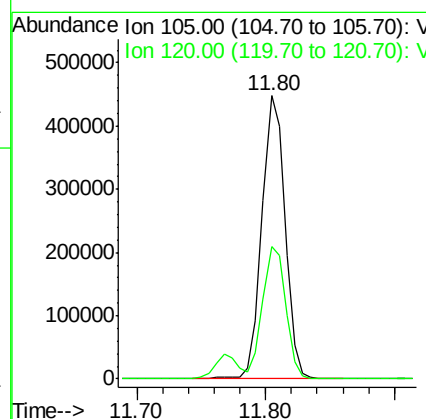
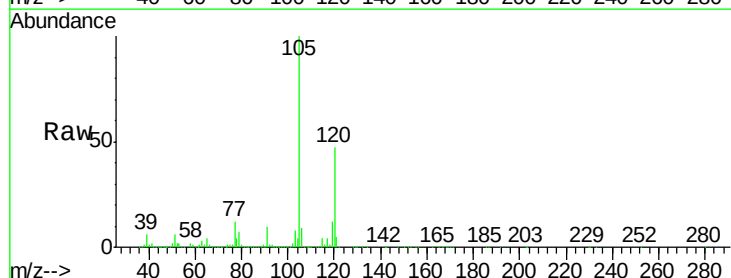
Manual Integrations
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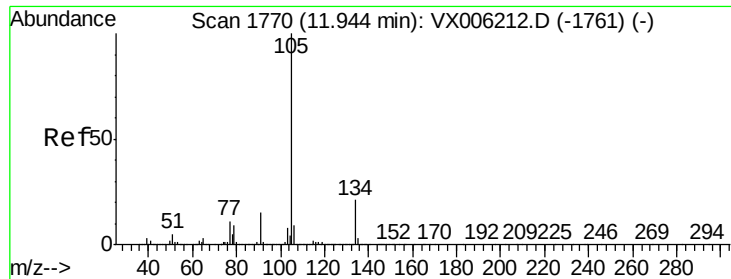
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 12/17/2018 12:12:19 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.072 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	552601		
120	46.7	23.4	70.0	





#85

sec-Butylbenzene

Concen: 21.207 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

VX1214WBSD01

Tgt Ion:105 Resp: 653771

Ion Ratio Lower Upper

105 100

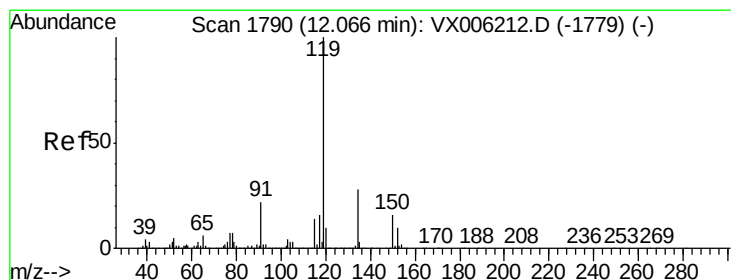
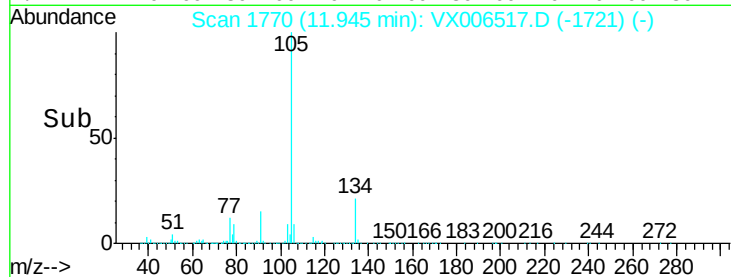
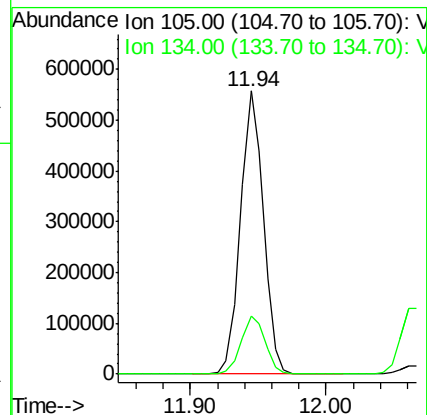
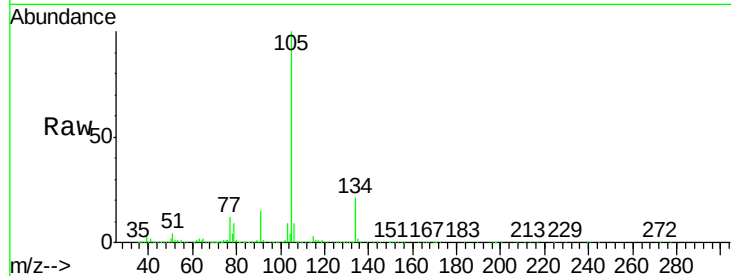
134 21.5 10.8 32.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.798 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006517.D

Acq: 14 Dec 2018 14:45

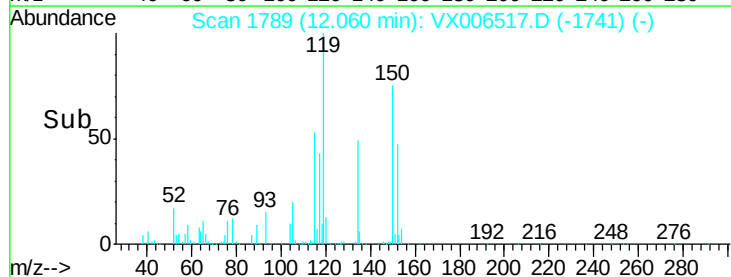
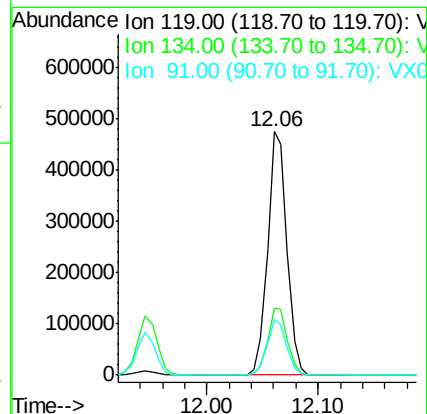
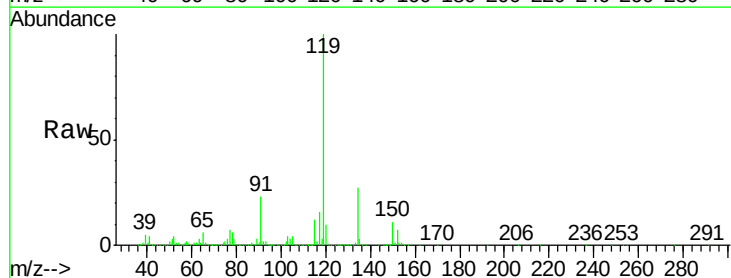
Tgt Ion:119 Resp: 577325

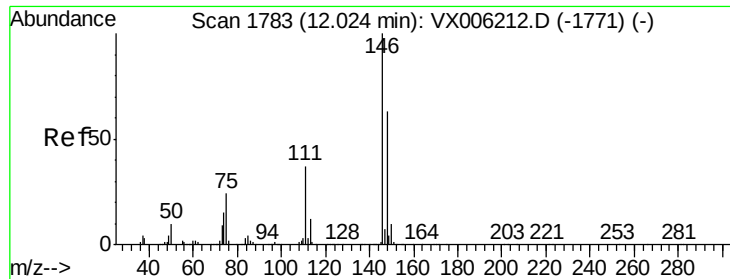
Ion Ratio Lower Upper

119 100

134 28.3 13.9 41.6

91 23.0 11.3 33.8





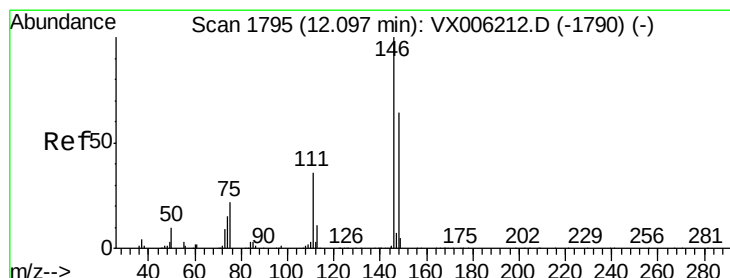
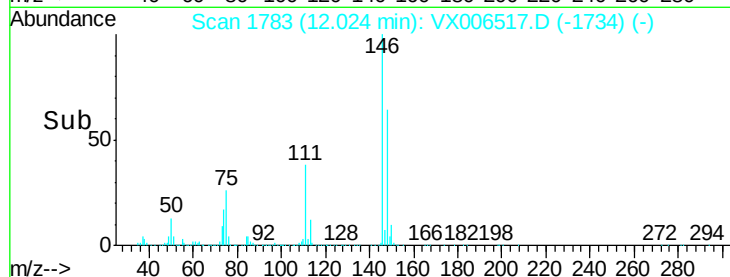
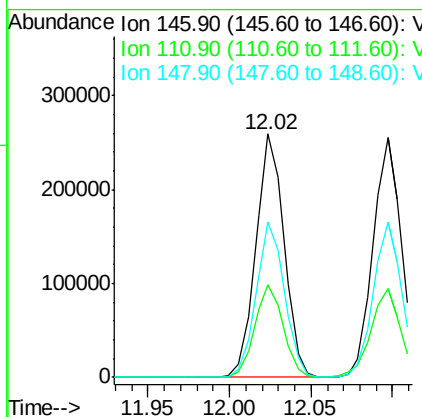
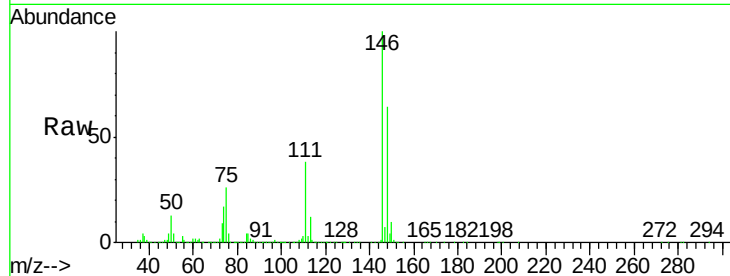
#87
 1,3-Dichlorobenzene
 Concen: 20.782 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.4	55.2
148	64.2	32.0	96.0

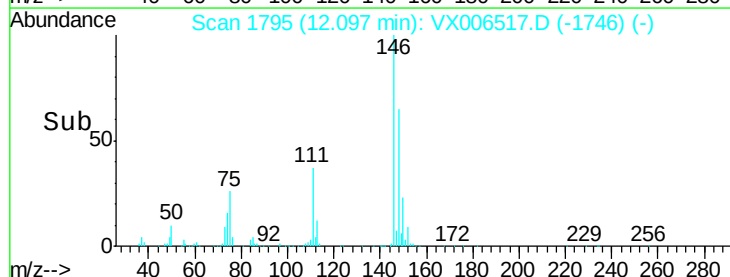
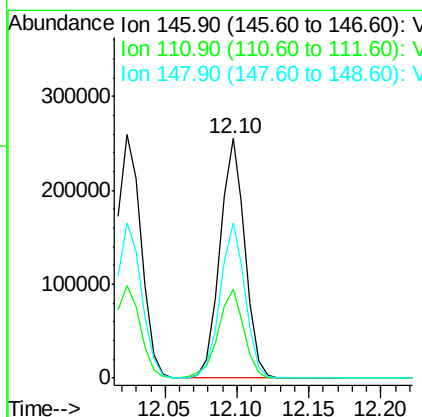
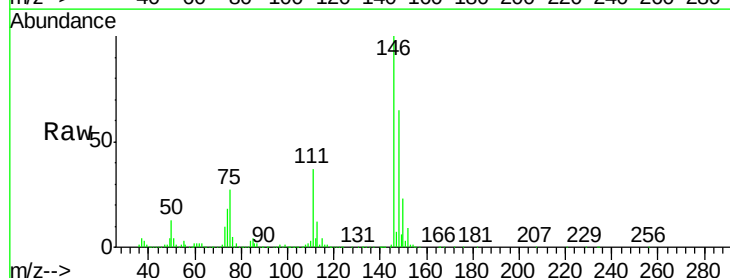
Manual Integrations
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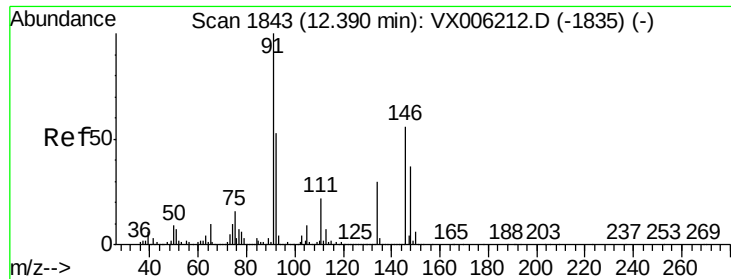
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#88
 1,4-Dichlorobenzene
 Concen: 20.297 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.3	54.8
148	64.6	31.9	95.9





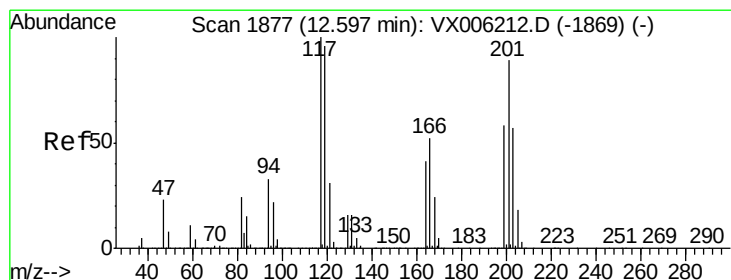
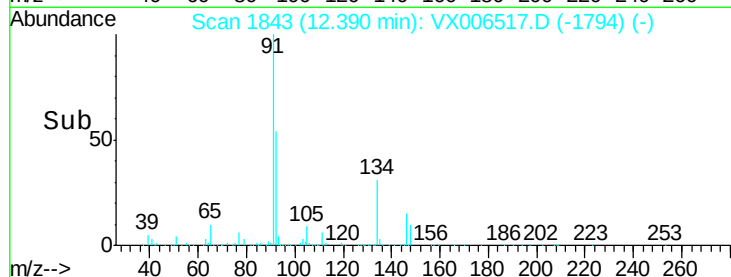
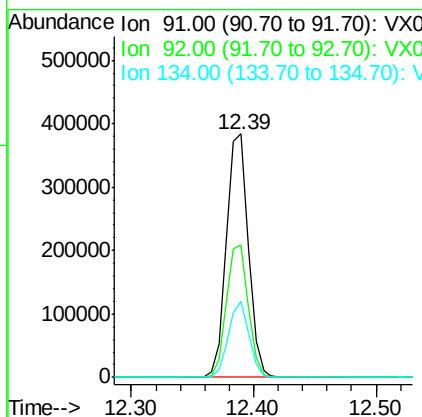
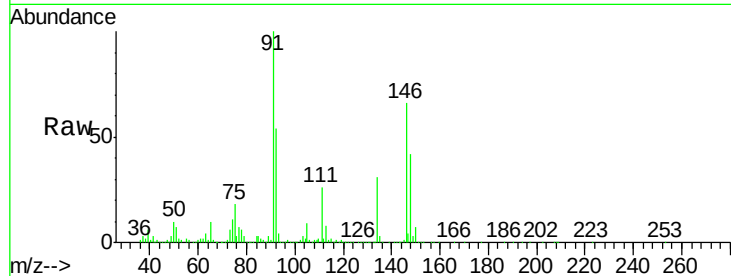
#89
n-Butylbenzene
Concen: 19.932 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.6	79.8
134	29.3	14.8	44.3

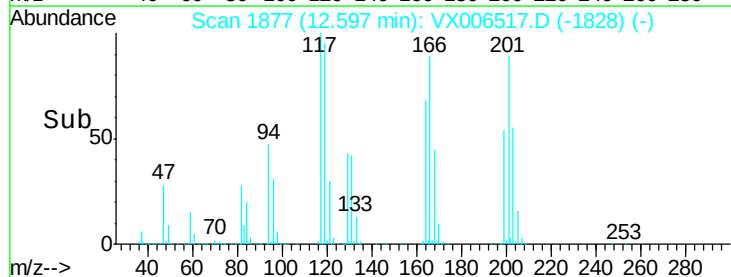
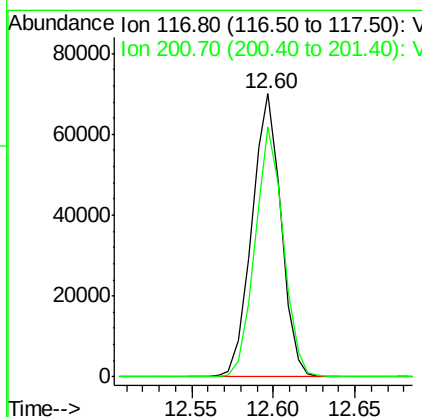
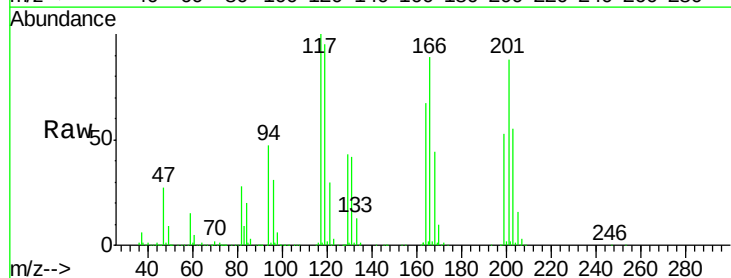
Manual Integrations
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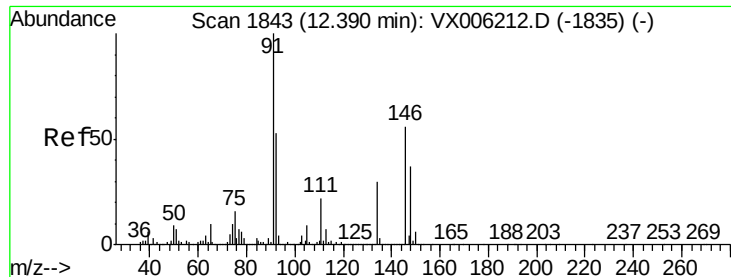
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#90
Hexachloroethane
Concen: 15.446 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	44.7	134.1





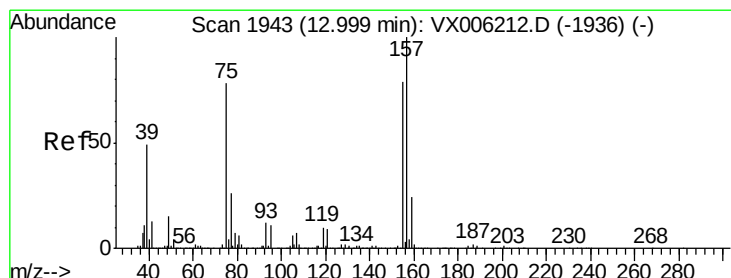
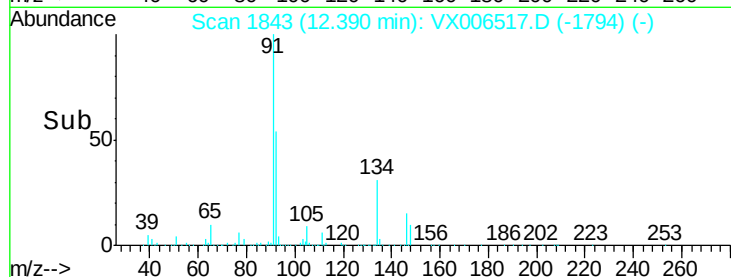
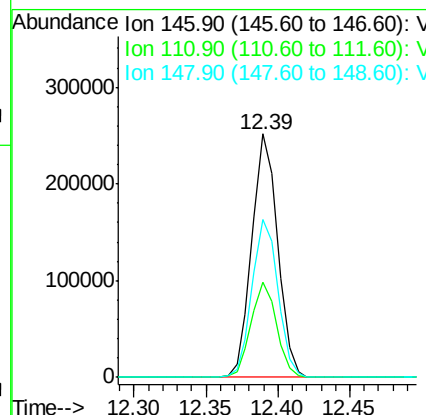
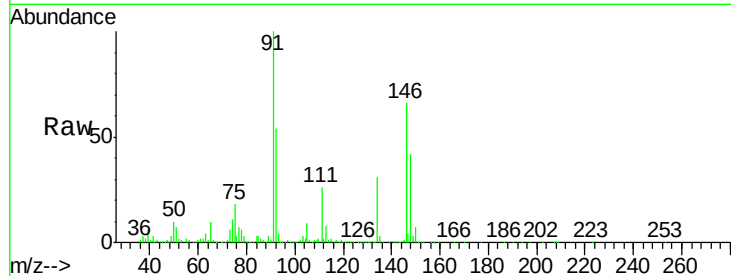
#91
 1,2-Dichlorobenzene
 Concen: 20.799 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	311140		
111	38.9	19.1	57.3	
148	65.0	32.1	96.3	

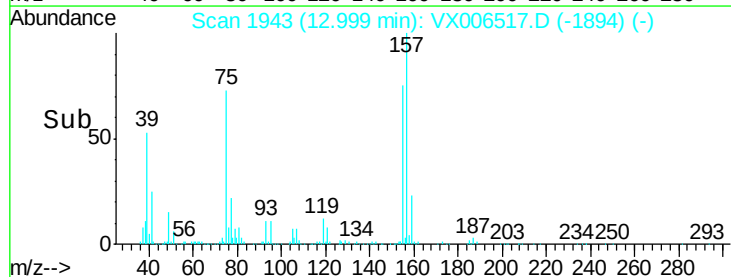
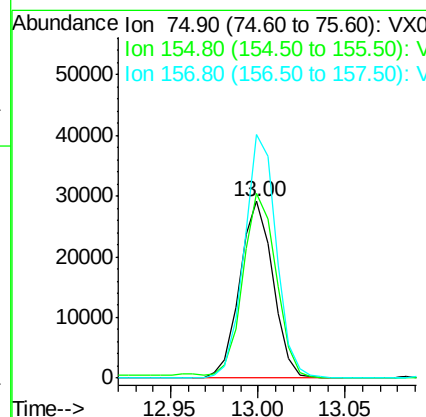
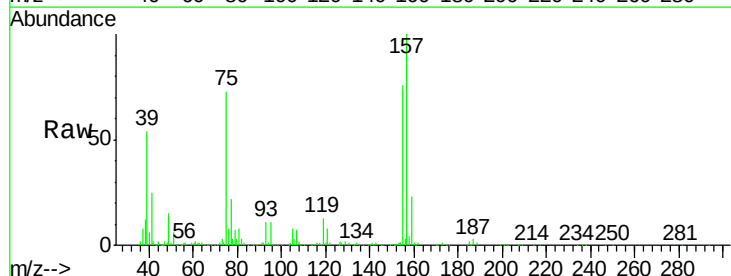
Manual Integrations
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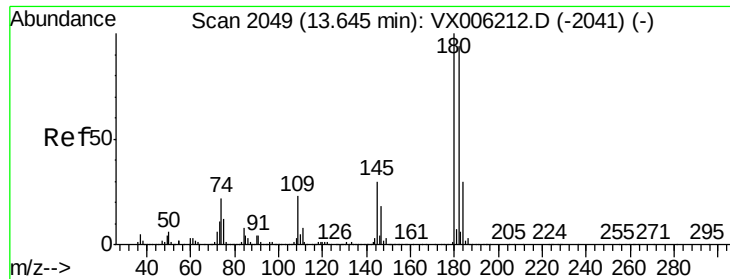
MMDadoda
 12/17/2018 12:12:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.431 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38627		
155	105.0	53.4	160.3	
157	132.6	68.0	203.8	





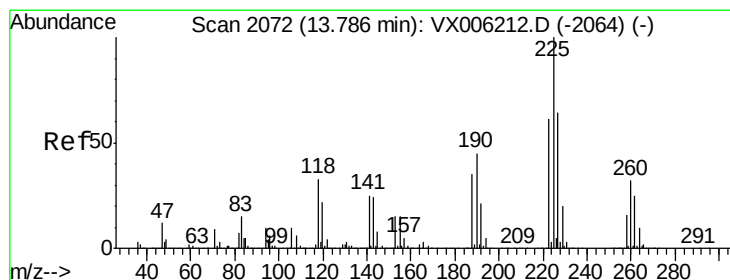
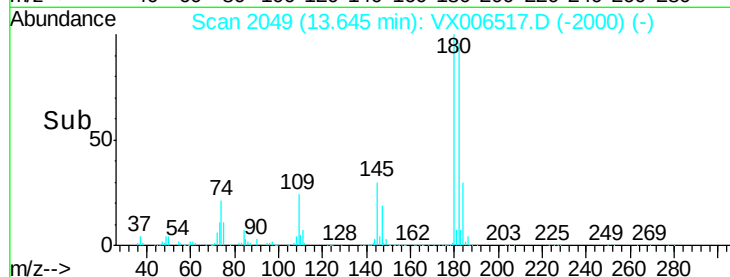
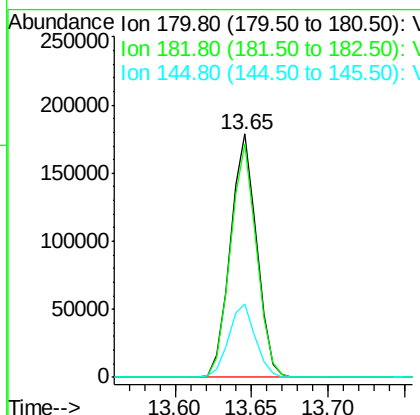
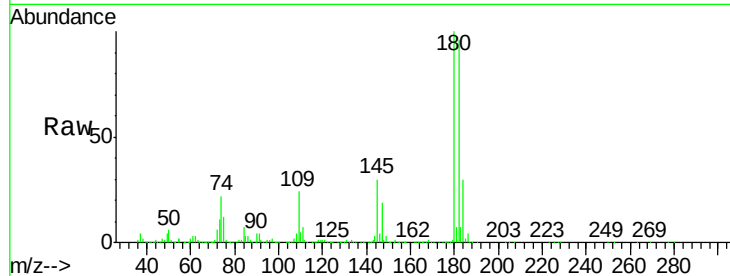
#93
 1,2,4-Trichlorobenzene
 Concen: 19.443 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	212194		
182	95.8	47.3	141.9	
145	30.6	14.6	43.8	

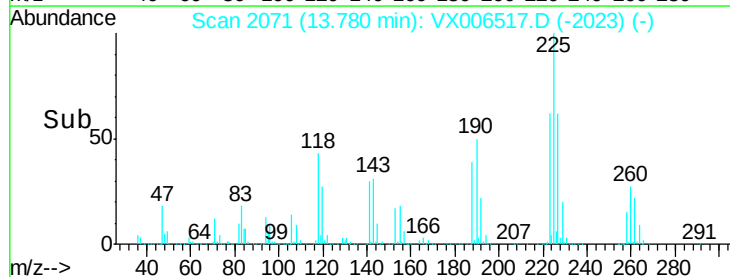
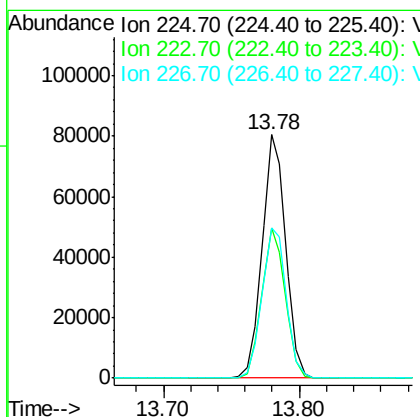
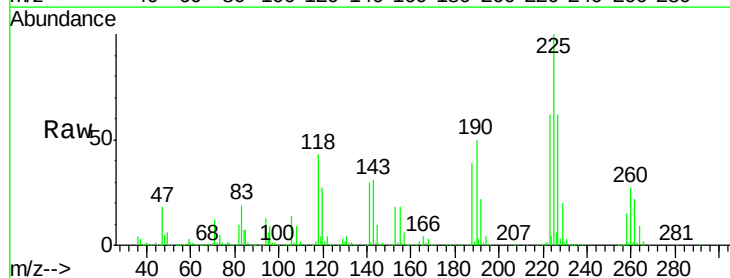
Manual Integrations
 APPROVED

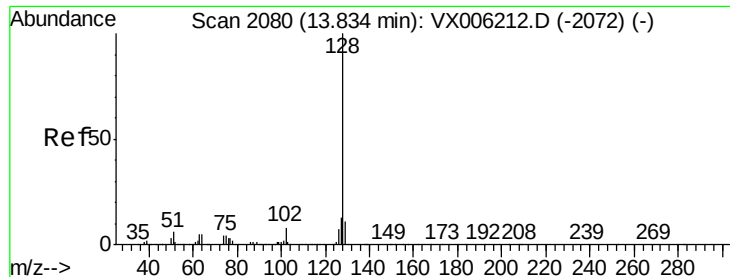
MMDadoda
 12/17/2018 12:12:19 PM



#94
 Hexachlorobutadiene
 Concen: 20.284 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006517.D
 Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97901		
223	61.5	31.2	93.6	
227	63.6	31.9	95.5	





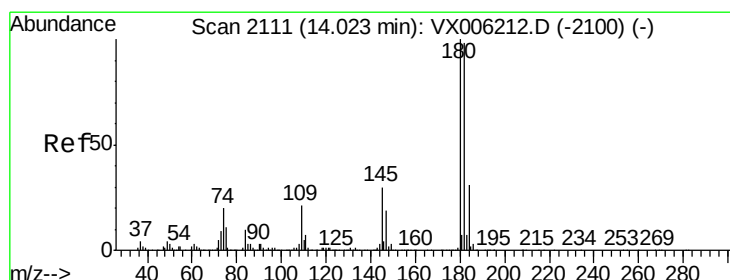
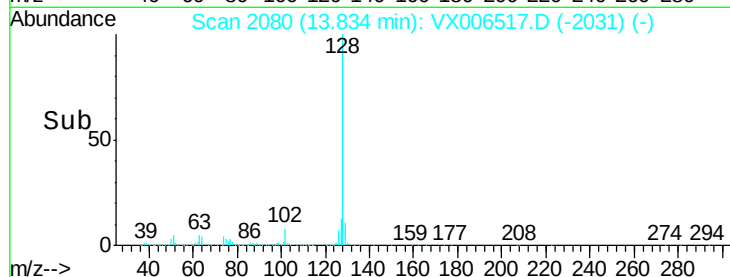
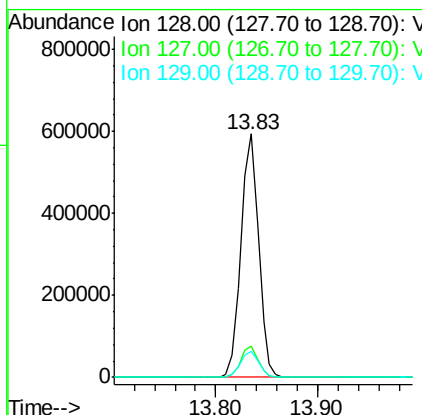
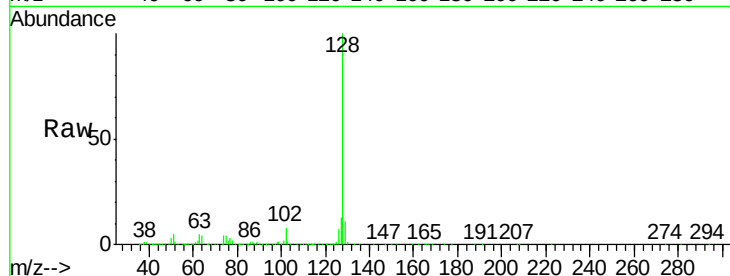
#95
Naphthalene
Concen: 20.687 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
VX1214WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	702308		
127	12.9	10.2	15.4	
129	11.0	8.9	13.3	

Manual Integrations
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12/17/2018 12:12:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.888 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006517.D
Acq: 14 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	214982		
182	96.0	48.4	145.2	
145	32.3	15.6	46.8	

