

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014115.D
 Acq On : 19 Dec 2019 12:35
 Operator : JC/SP
 Sample : VX1219WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Manual Integrations
 APPROVED

apatel
 12/20/2019 10:12:42 AM

Quant Time: Dec 20 01:34:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	553324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	823447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	732550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	361138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	310677	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	5.49	113	260031	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	8.71	98	1006254	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.13	95	349906	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	89822	18.145	ug/l	98
3) Chloromethane	1.32	50	127595	19.207	ug/l	98
4) Vinyl Chloride	1.40	62	132814	18.947	ug/l	100
5) Bromomethane	1.63	94	80455	16.171	ug/l	99
6) Chloroethane	1.72	64	83879	19.388	ug/l	95
7) Trichlorofluoromethane	1.92	101	167570	19.311	ug/l	99
8) Diethyl Ether	2.18	74	73802	18.122	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	102841	19.661	ug/l	98
10) Methyl Iodide	2.50	142	118874	18.950	ug/l	99
11) Tert butyl alcohol	3.03	59	118241	87.259	ug/l	100
12) 1,1-Dichloroethene	2.36	96	99681	18.728	ug/l	100
13) Acrolein	2.28	56	83811	108.049	ug/l	99
14) Allyl chloride	2.72	41	181575	19.106	ug/l	99
15) Acrylonitrile	3.13	53	302451	95.628	ug/l	99
16) Acetone	2.43	43	345696	84.910	ug/l	99
17) Carbon Disulfide	2.56	76	260758	18.132	ug/l	99
18) Methyl Acetate	2.76	43	156249	19.368	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	329699	18.850	ug/l	100
20) Methylene Chloride	2.84	84	117204	18.281	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	107848	18.392	ug/l	97
22) Diisopropyl ether	3.84	45	370317	19.554	ug/l	96
23) Vinyl Acetate	3.80	43	1550281	100.313	ug/l	99
24) 1,1-Dichloroethane	3.69	63	199120	18.899	ug/l	100
25) 2-Butanone	4.65	43	460534	91.750	ug/l	98
26) 2,2-Dichloropropane	4.57	77	154597	18.898	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	124577	18.785	ug/l	98
28) Bromochloromethane	5.00	49	82904	20.728	ug/l	99
29) Tetrahydrofuran	5.11	42	270141	96.221	ug/l	99
30) Chloroform	5.20	83	188737	18.896	ug/l	97
31) Cyclohexane	5.57	56	182429	19.467	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	159135	18.694	ug/l	100
36) 1,1-Dichloropropene	5.79	75	146328	19.367	ug/l	99
37) Ethyl Acetate	4.82	43	166154	19.914	ug/l	99
38) Carbon Tetrachloride	5.78	117	134110	19.484	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	182094	19.518	ug/l	95
40) Benzene	6.13	78	455516	19.594	ug/l	99
41) Methacrylonitrile	5.03	41	91969	19.866	ug/l	97
42) 1,2-Dichloroethane	6.18	62	153541	19.484	ug/l	100
43) Isopropyl Acetate	6.43	43	266848	19.326	ug/l	99
44) Trichloroethene	7.20	130	121489	18.920	ug/l	98
45) 1,2-Dichloropropane	7.50	63	118649	19.912	ug/l	98
46) Dibromomethane	7.65	93	75474	19.158	ug/l	98
47) Bromodichloromethane	7.89	83	143432	19.332	ug/l	99
48) Methyl methacrylate	7.76	41	128911	19.066	ug/l	99
49) 1,4-Dioxane	7.73	88	54732	397.770	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	843834	97.309	ug/l	98
52) Toluene	8.78	92	283140	19.269	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	155968	19.171	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	178802	19.728	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	114282	19.405	ug/l	98
56) Ethyl methacrylate	9.17	69	174913	18.907	ug/l	98
57) 1,3-Dichloropropane	9.36	76	195925	19.773	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	356674	101.880	ug/l	99
59) 2-Hexanone	9.48	43	653583	93.626	ug/l	99
60) Dibromochloromethane	9.57	129	112469	19.212	ug/l	99
61) 1,2-Dibromoethane	9.67	107	118214	19.618	ug/l	99
64) Tetrachloroethene	9.33	164	122639	18.919	ug/l	99
65) Chlorobenzene	10.14	112	305072	19.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	108429	19.497	ug/l	99
67) Ethyl Benzene	10.25	91	528722	19.744	ug/l	100
68) m/p-Xylenes	10.36	106	406545	39.473	ug/l	100
69) o-Xylene	10.70	106	195748	19.379	ug/l	100
70) Styrene	10.71	104	326201	19.098	ug/l	98
71) Bromoform	10.85	173	82577	18.472	ug/l #	100
73) Isopropylbenzene	11.01	105	519936	20.448	ug/l	99
74) N-amyl acetate	10.89	43	226881	19.036	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	174214	19.763	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	164995m	21.045	ug/l	
77) Bromobenzene	11.25	156	136406	19.498	ug/l	99
78) n-propylbenzene	11.35	91	589814	20.680	ug/l	99
79) 2-Chlorotoluene	11.42	91	345342	19.919	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	434299	20.295	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52021	18.728	ug/l	93
82) 4-Chlorotoluene	11.51	91	394743	19.629	ug/l	99
83) tert-Butylbenzene	11.76	119	409242	19.651	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	433303	20.219	ug/l	100
85) sec-Butylbenzene	11.94	105	504680	20.528	ug/l	100
86) p-Isopropyltoluene	12.06	119	458773	20.400	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	230719	18.817	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	235226	18.868	ug/l	99
89) n-Butylbenzene	12.39	91	386320	20.133	ug/l	99
90) Hexachloroethane	12.59	117	77971	19.303	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	233915	18.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	35037	17.961	ug/l	98

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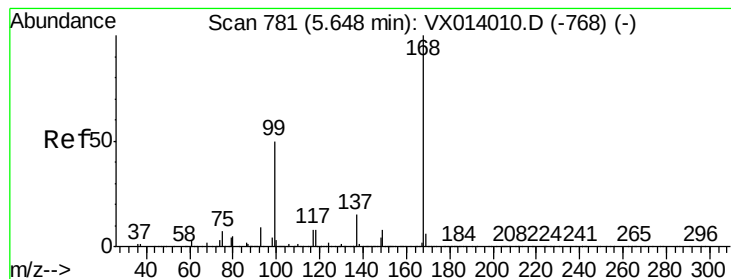
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	150483	18.758	ug/l	98
94) Hexachlorobutadiene	13.78	225	75368	19.548	ug/l	97
95) Naphthalene	13.83	128	433313	18.384	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	150361	18.987	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion:168 Resp: 553324

Ion Ratio Lower Upper

168 100

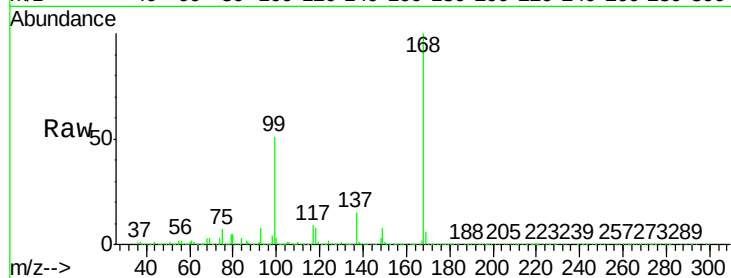
99 50.3 40.3 60.5

Manual Integrations

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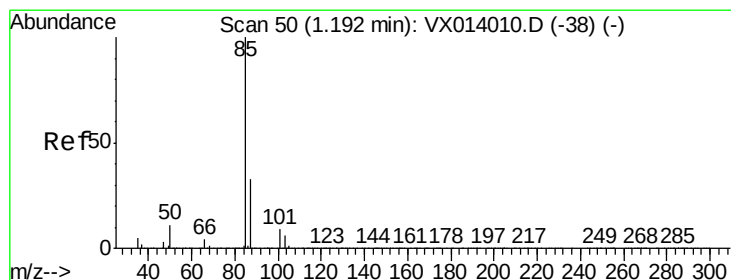
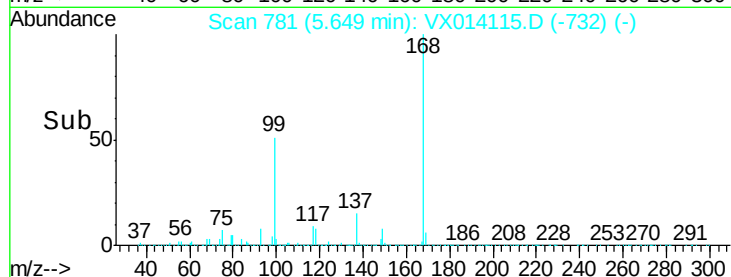
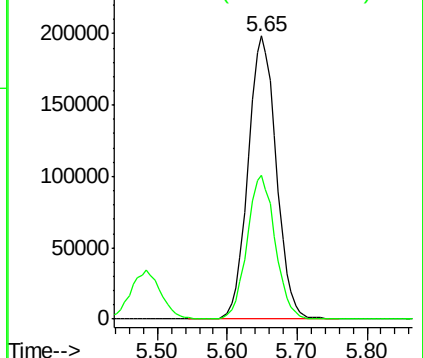
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.145 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014115.D

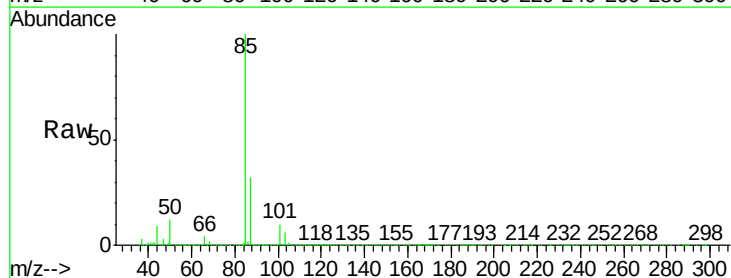
Acq: 19 Dec 2019 12:35

Tgt Ion: 85 Resp: 89822

Ion Ratio Lower Upper

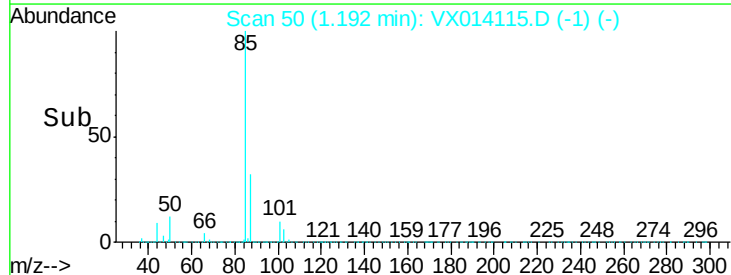
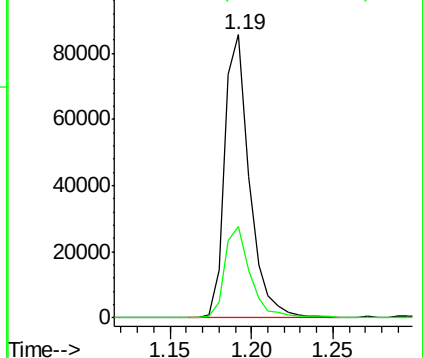
85 100

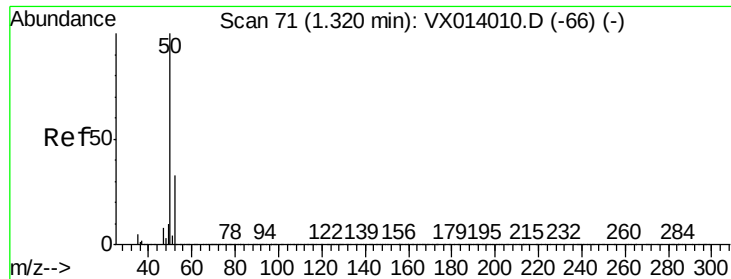
87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.207 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 50 Resp: 127595

Ion Ratio Lower Upper

50 100

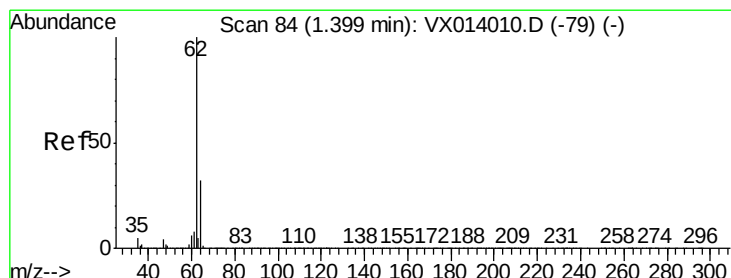
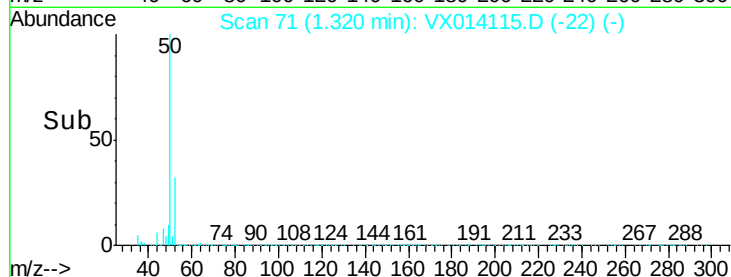
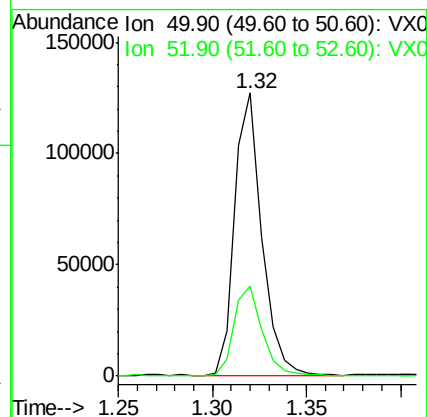
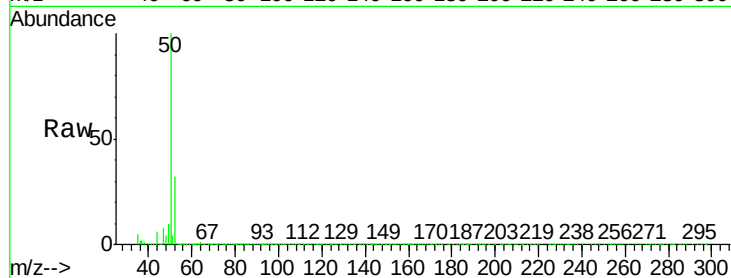
52 31.9 26.2 39.4

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#4

Vinyl Chloride

Concen: 18.947 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014115.D

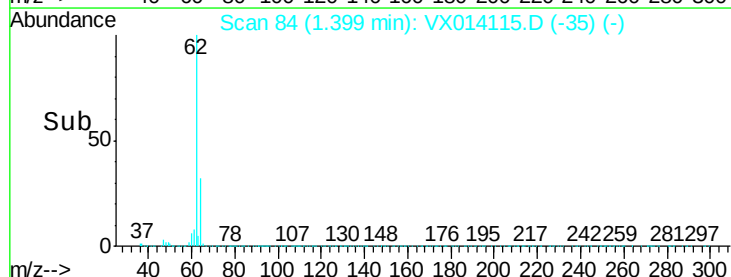
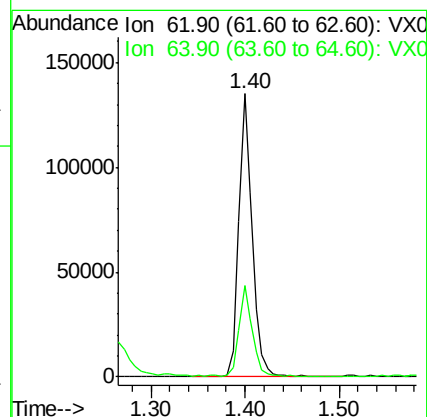
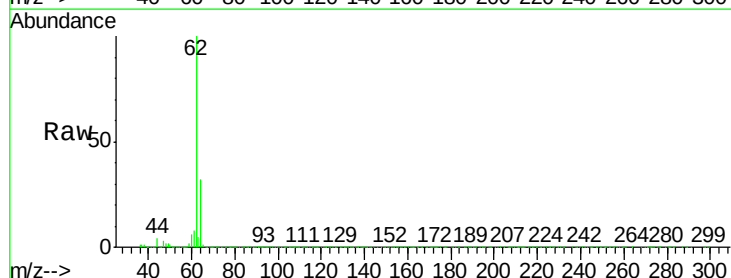
Acq: 19 Dec 2019 12:35

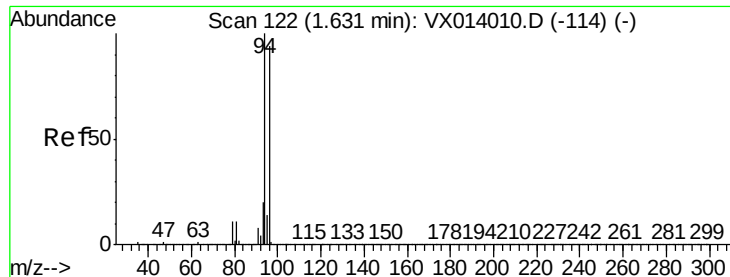
Tgt Ion: 62 Resp: 132814

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 16.171 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 94 Resp: 80455

Ion Ratio Lower Upper

94 100

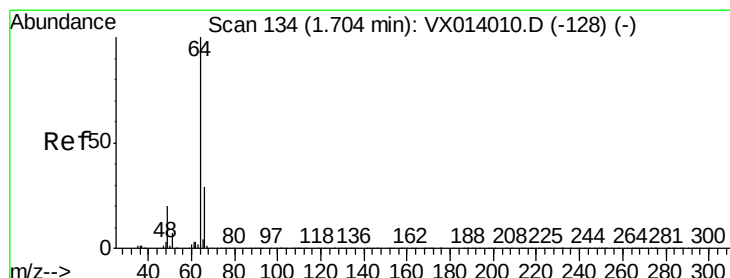
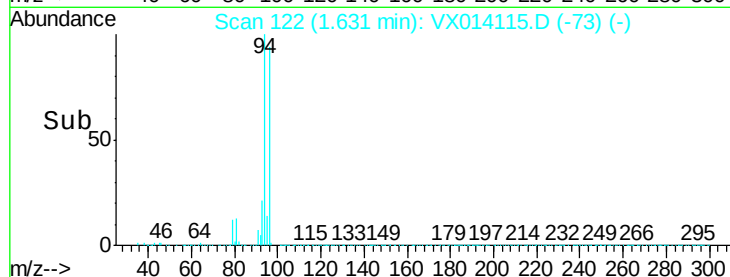
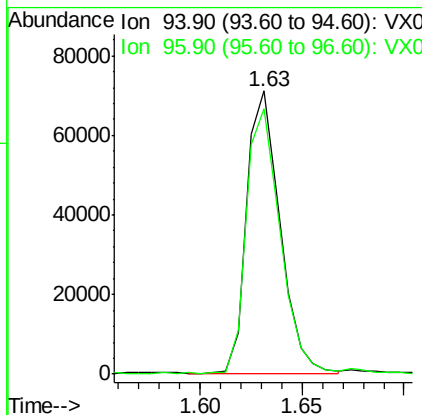
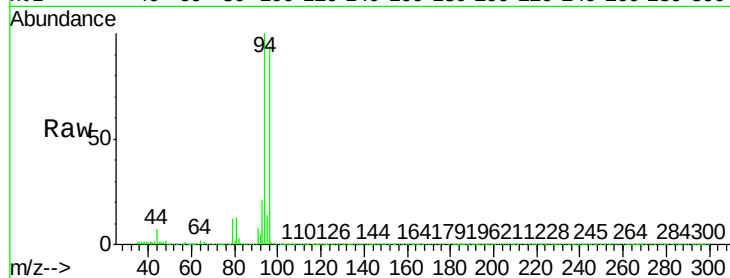
96 93.2 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 19.388 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014115.D

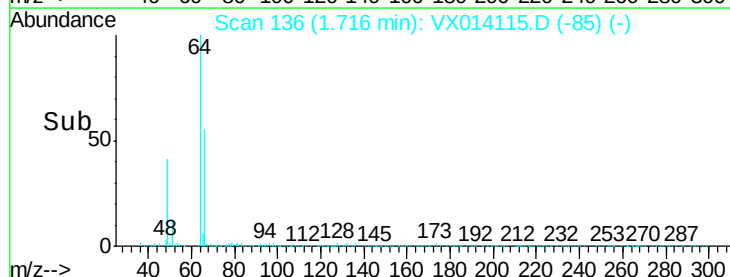
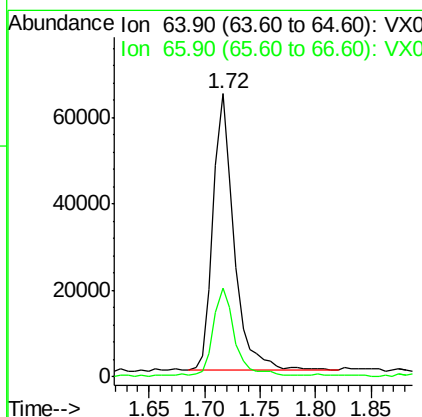
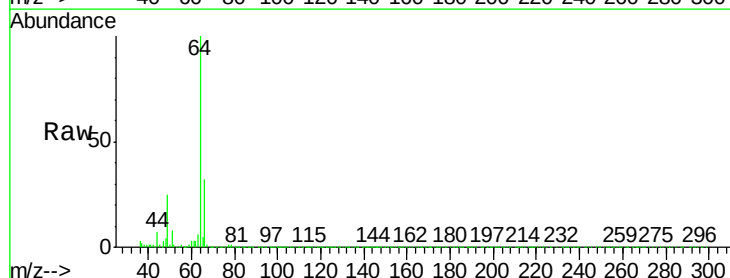
Acq: 19 Dec 2019 12:35

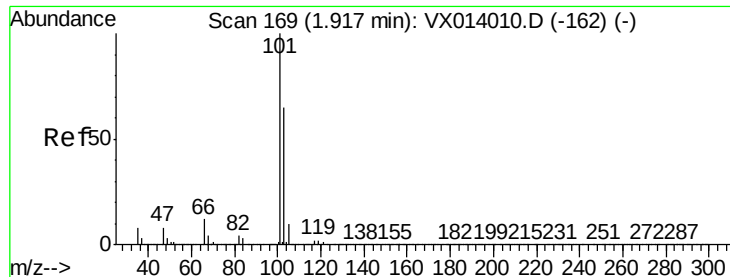
Tgt Ion: 64 Resp: 83879

Ion Ratio Lower Upper

64 100

66 31.8 23.4 35.2





#7

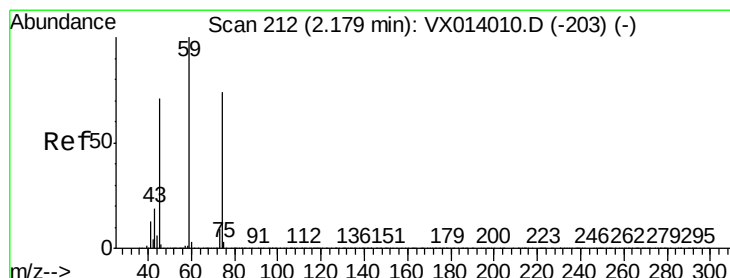
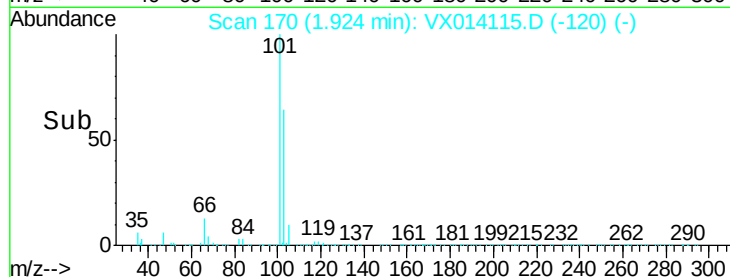
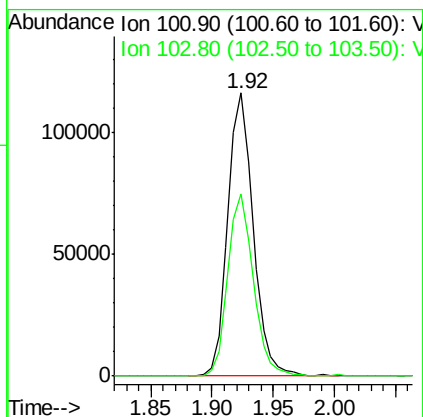
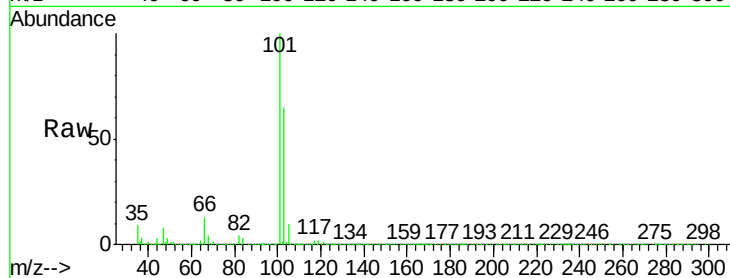
Trichlorofluoromethane
Concen: 19.311 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.2	78.4

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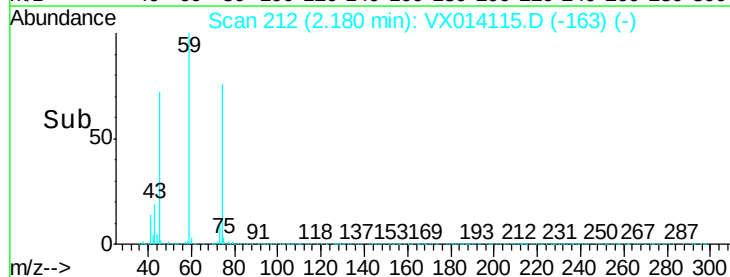
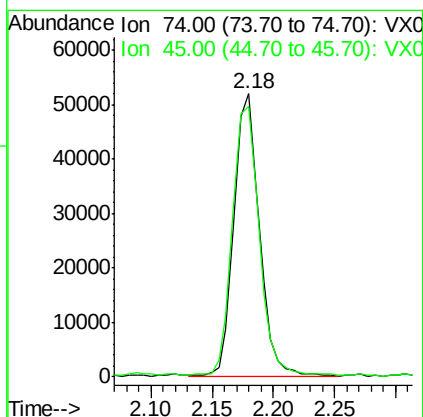
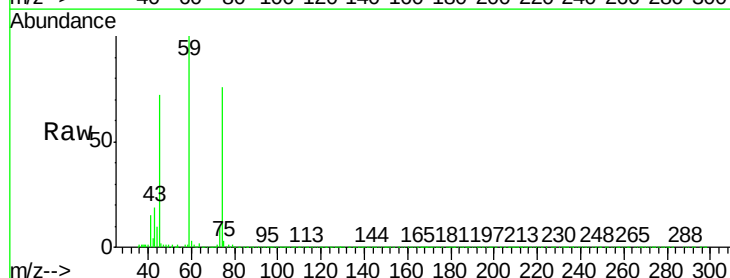
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12/20/2019 10:12:42 AM

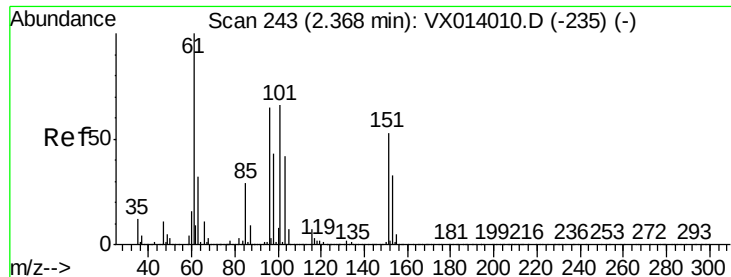


#8

Diethyl Ether
Concen: 18.122 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.661 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

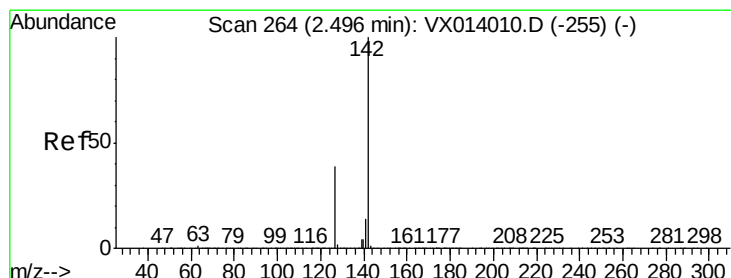
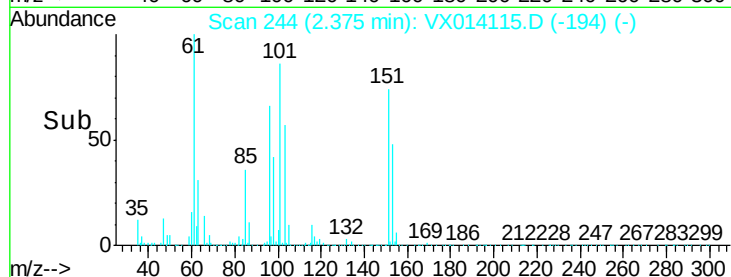
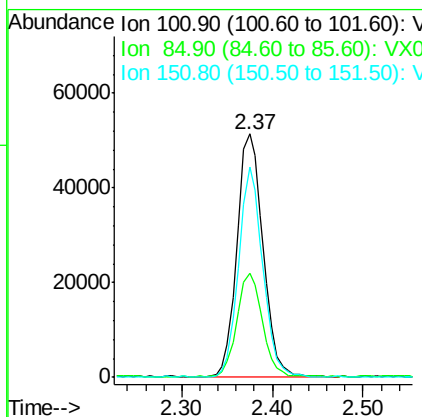
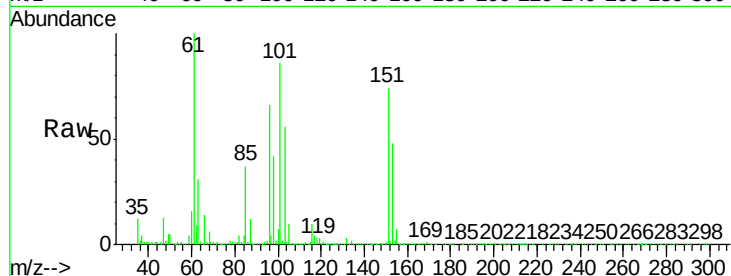
ClientSampleId :

VX1219WBS01

Tot Ion:	101	Resp:	102841
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.7	50.5
151	79.3	64.5	96.7

Manual Integrations
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#10

Methyl Iodide

Concen: 18.950 ug/l

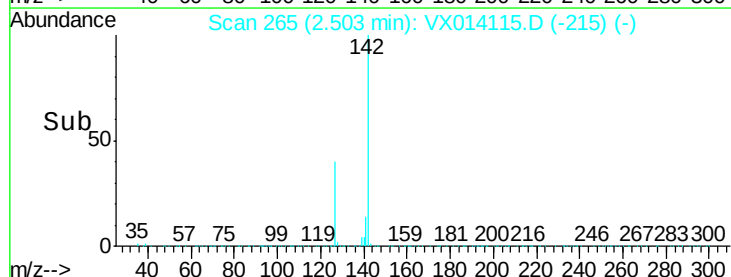
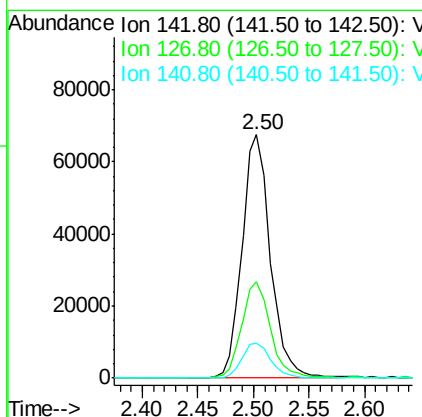
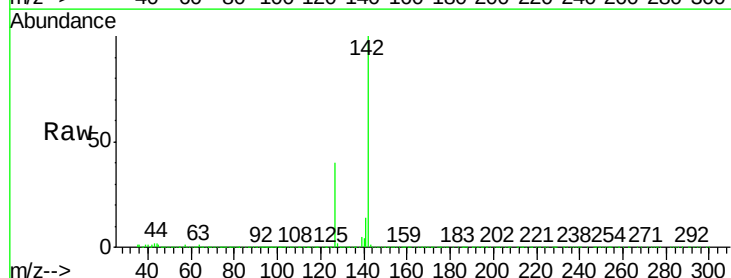
RT: 2.50 min Scan# 265

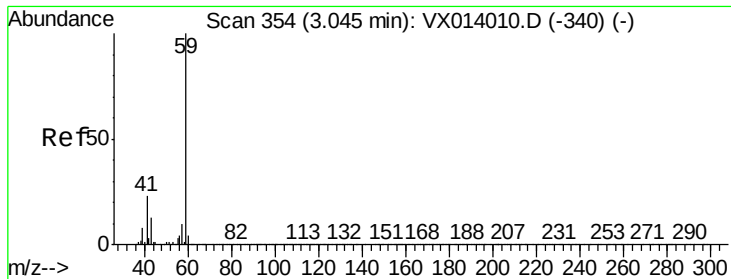
Delta R.T. 0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion:	142	Resp:	118874
Ion Ratio	Lower	Upper	
142	100		
127	40.4	31.6	47.4
141	14.8	11.6	17.4





#11

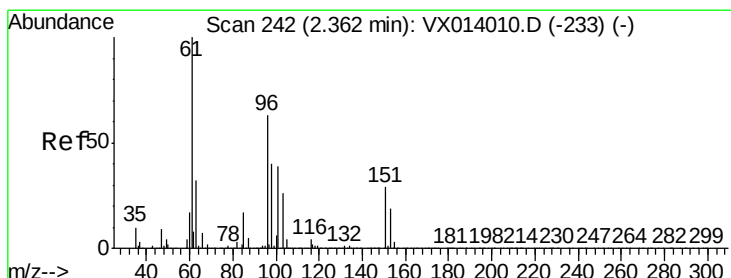
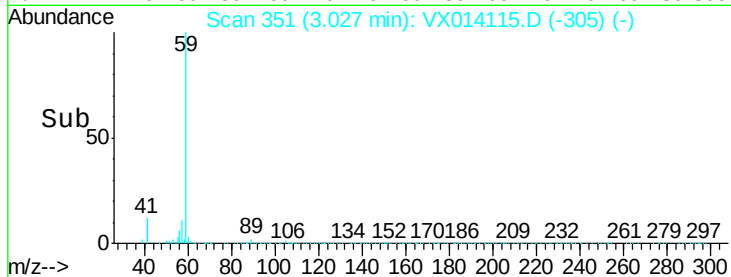
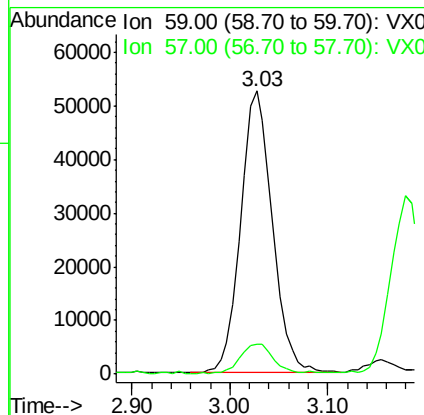
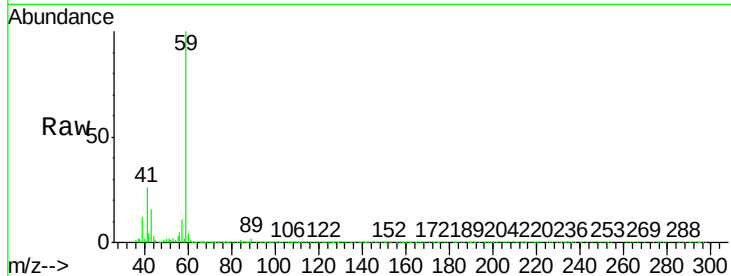
Tert butyl alcohol
Concen: 87.259 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

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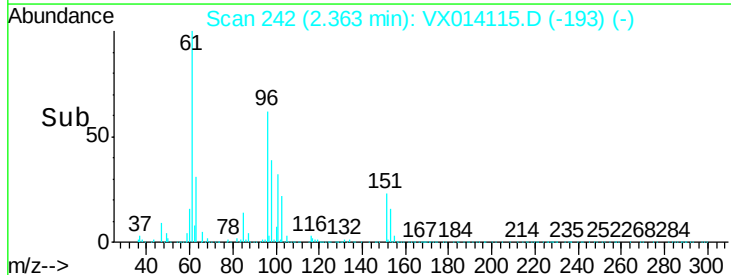
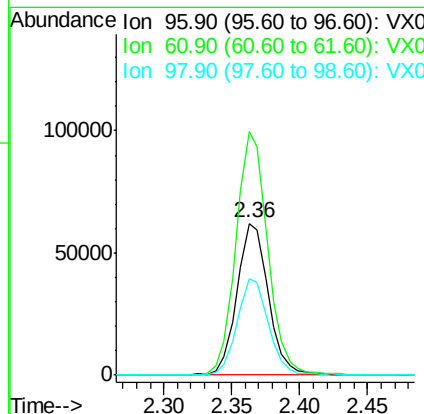
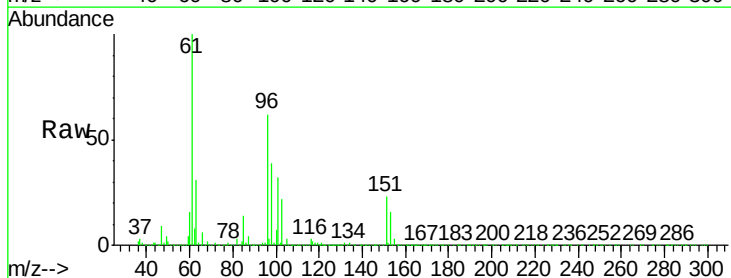
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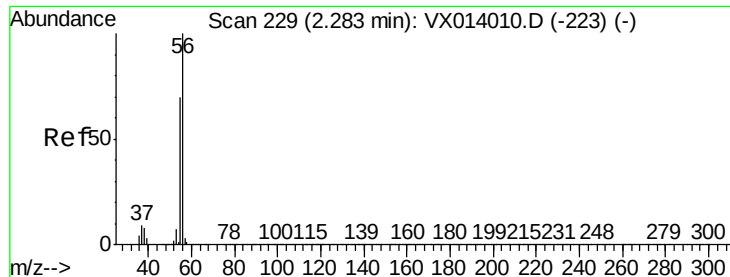


#12

1,1-Dichloroethene
Concen: 18.728 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	127.9	191.9
98	63.0	50.5	75.7





#13

Acrolein

Concen: 108.049 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 56 Resp: 83811

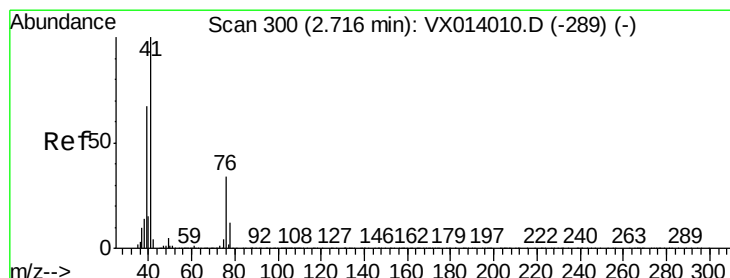
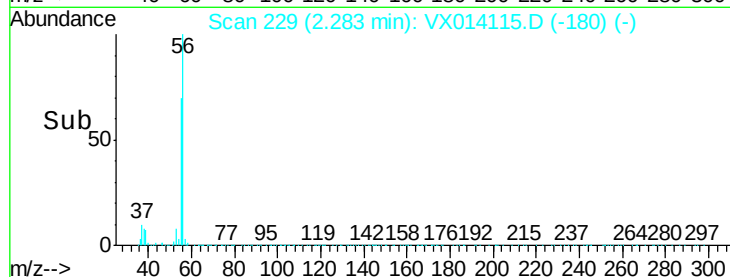
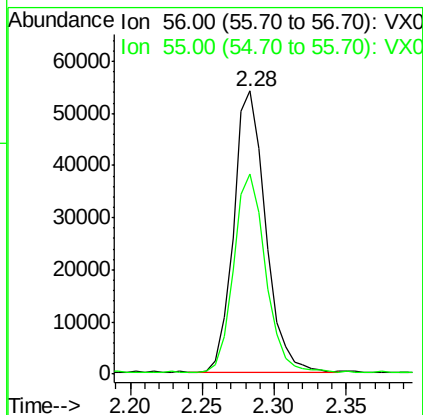
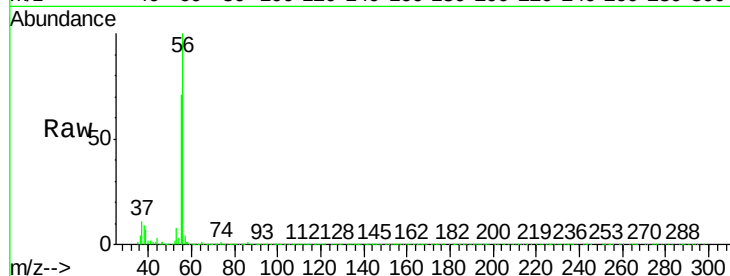
Ion Ratio Lower Upper

56 100

55 70.6 56.9 85.3

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#14

Allyl chloride

Concen: 19.106 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

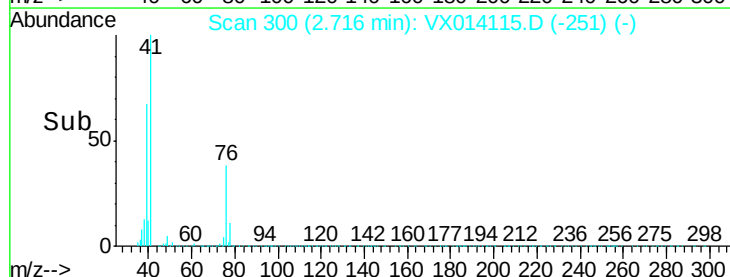
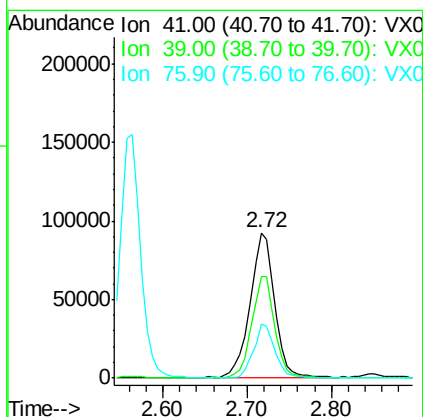
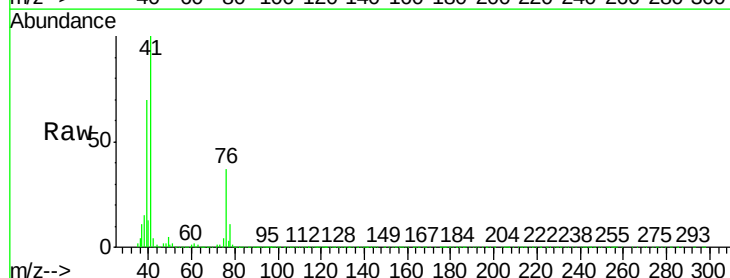
Tgt Ion: 41 Resp: 181575

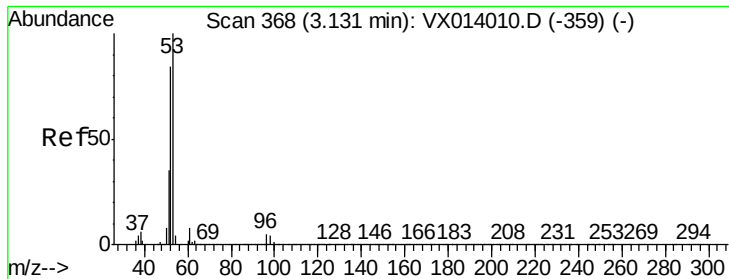
Ion Ratio Lower Upper

41 100

39 64.5 51.8 77.8

76 31.7 25.9 38.9





#15

Acrylonitrile

Concen: 95.628 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

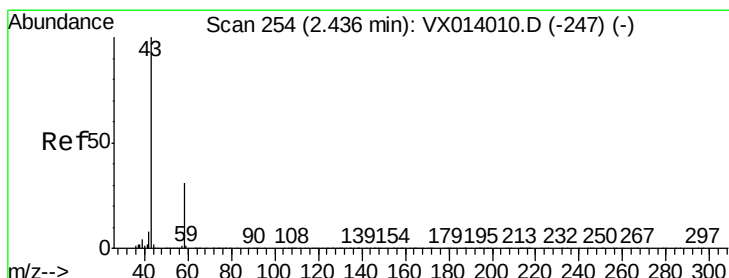
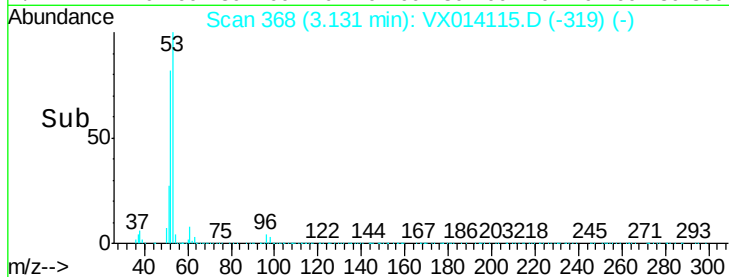
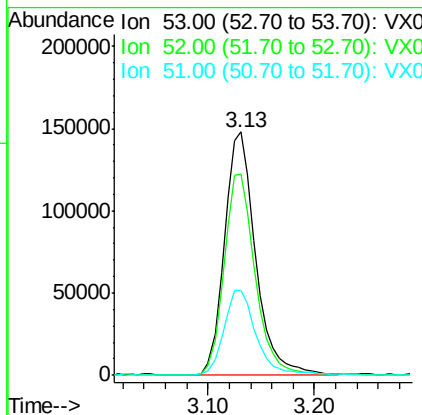
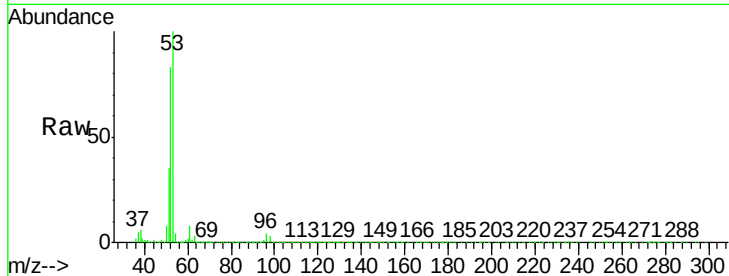
ClientSampleId :

VX1219WBS01

Tot Ion:	53	Resp:	302451
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.5	99.7
51	36.1	28.1	42.1

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#16

Acetone

Concen: 84.910 ug/l

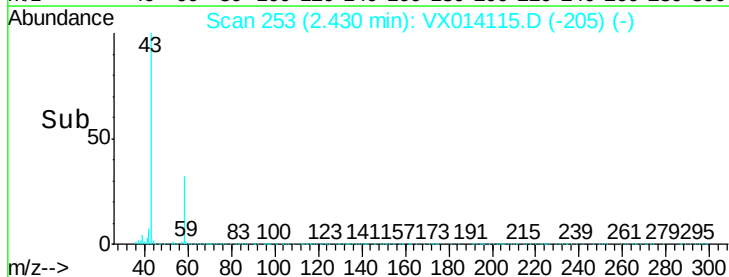
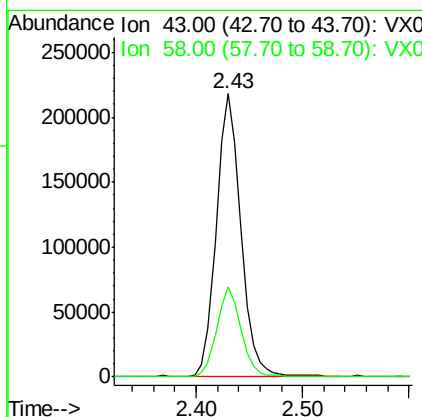
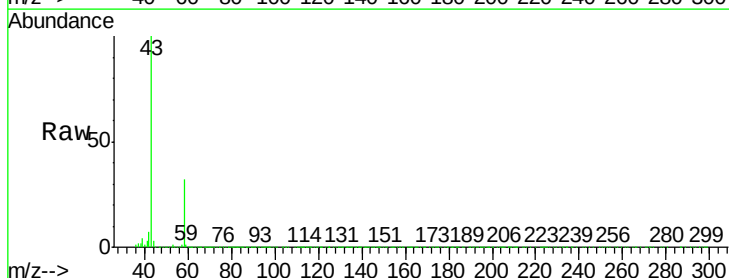
RT: 2.43 min Scan# 253

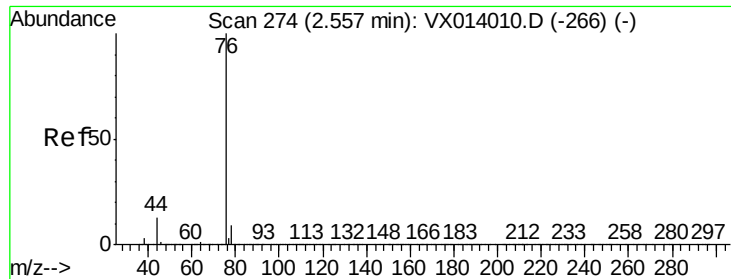
Delta R.T. -0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion:	43	Resp:	345696
Ion Ratio		Lower	Upper
43	100		
58	31.6	24.9	37.3





#17

Carbon Disulfide

Concen: 18.132 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 76 Resp: 260758

Ion Ratio Lower Upper

76 100

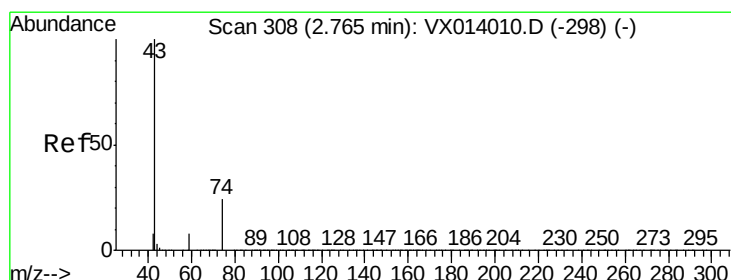
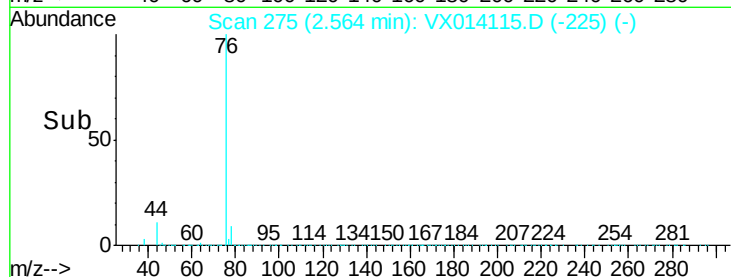
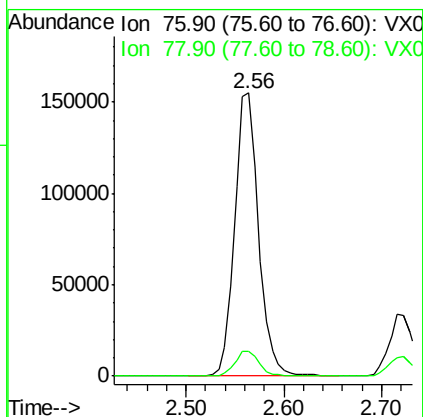
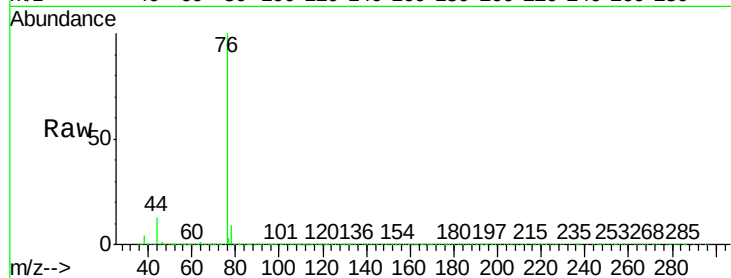
78 8.5 7.2 10.8

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#18

Methyl Acetate

Concen: 19.368 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014115.D

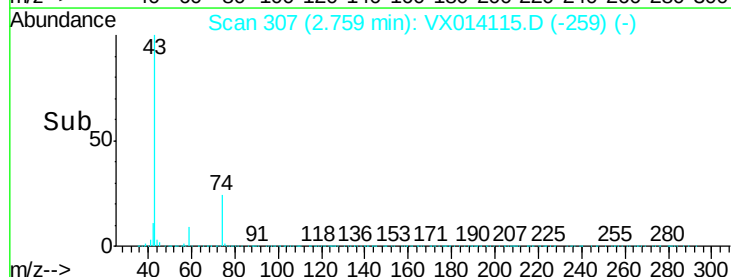
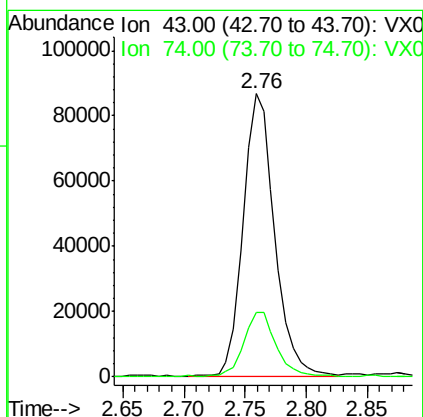
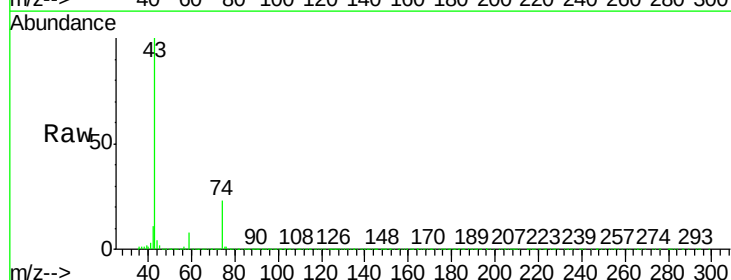
Acq: 19 Dec 2019 12:35

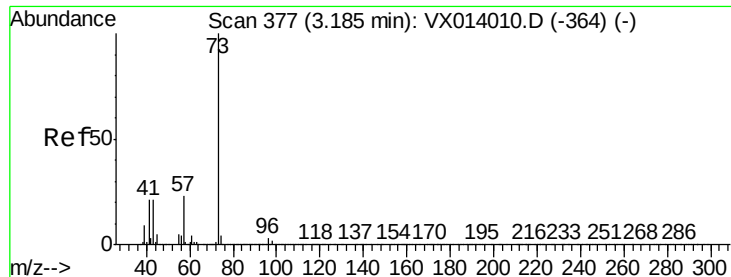
Tgt Ion: 43 Resp: 156249

Ion Ratio Lower Upper

43 100

74 22.9 19.5 29.3





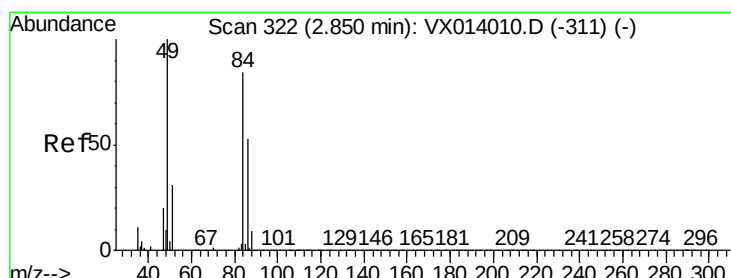
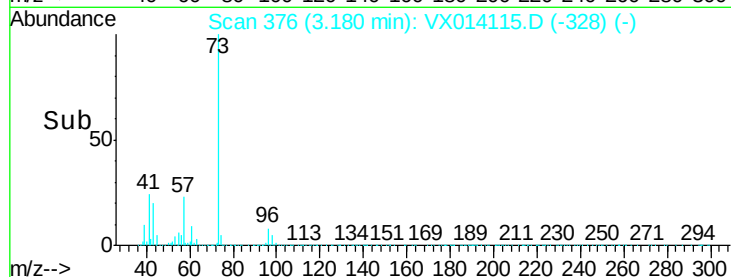
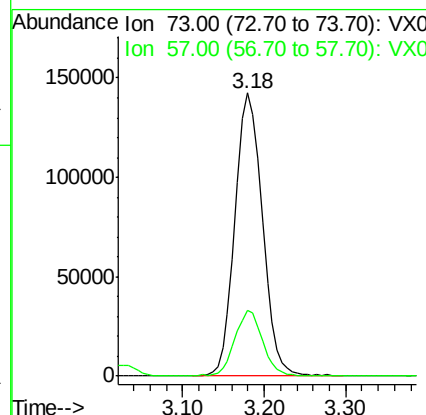
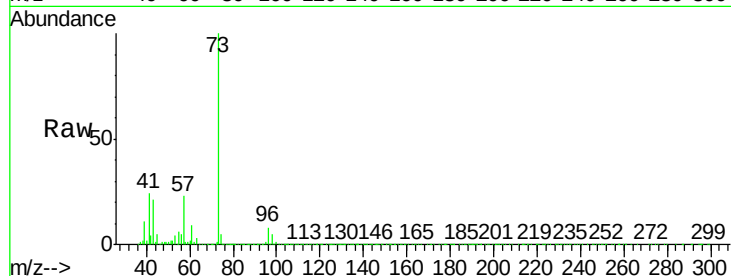
#19
Methyl tert-butyl Ether
Concen: 18.850 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.8	28.2

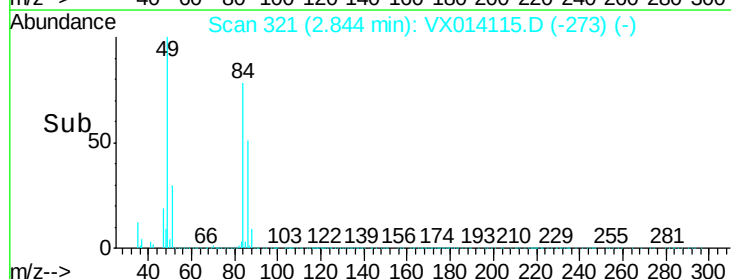
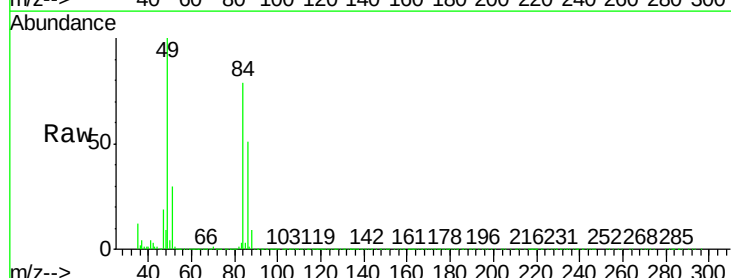
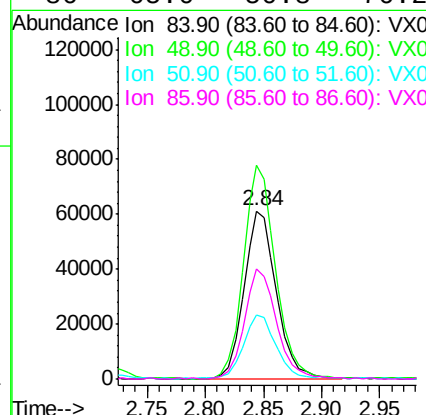
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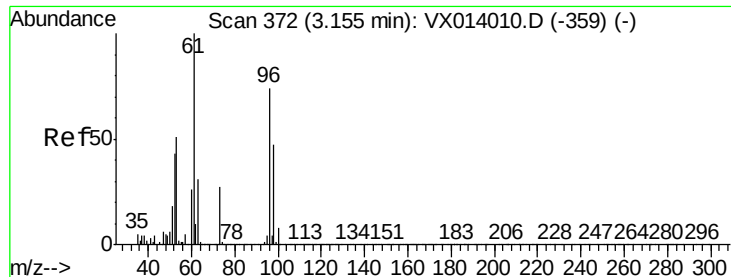
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#20
Methylene Chloride
Concen: 18.281 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.2	95.8	143.6
51	38.0	29.8	44.8
86	65.0	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 18.392 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 96 Resp: 107848

Ion Ratio Lower Upper

96 100

61 141.0 108.3 162.5

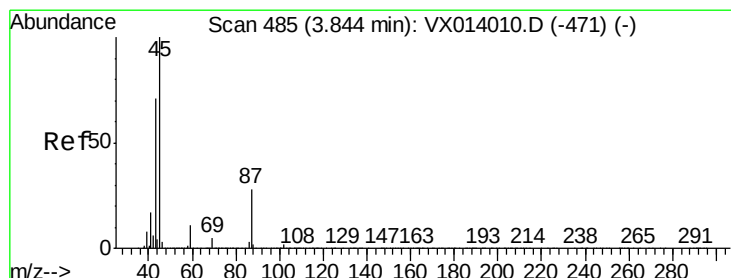
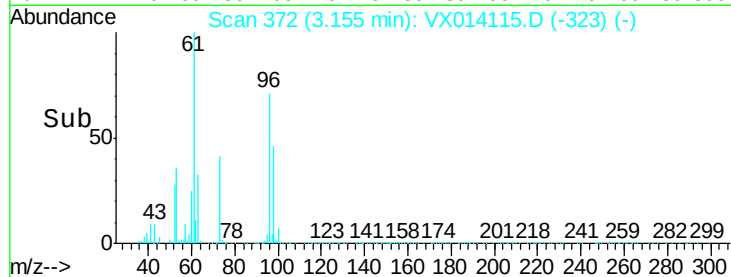
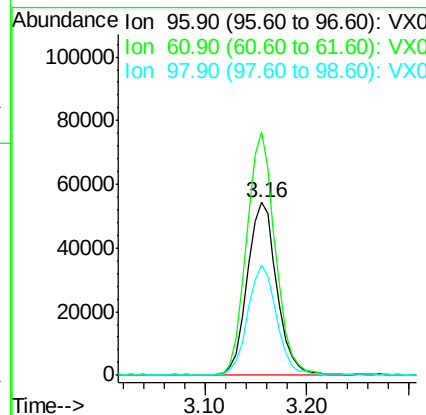
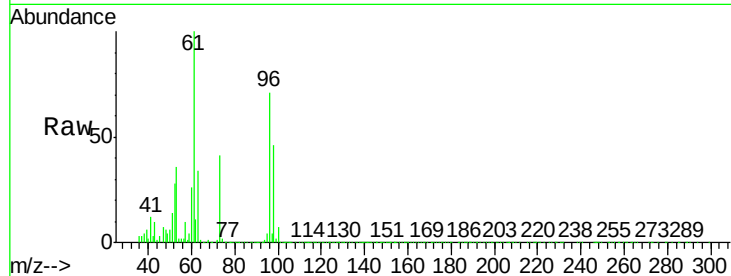
98 64.2 50.8 76.2

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#22

Diisopropyl ether

Concen: 19.554 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion: 45 Resp: 370317

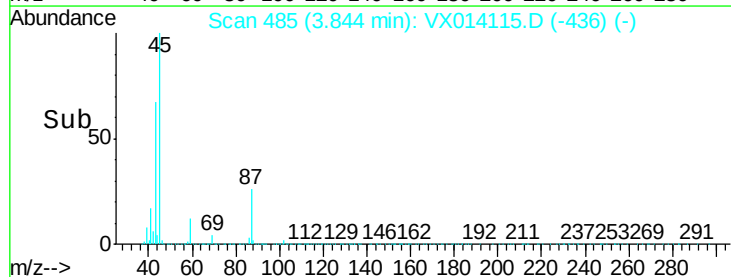
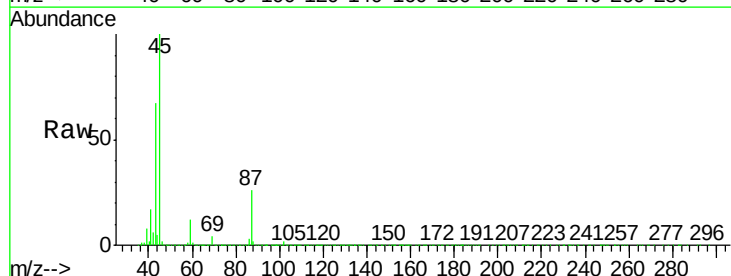
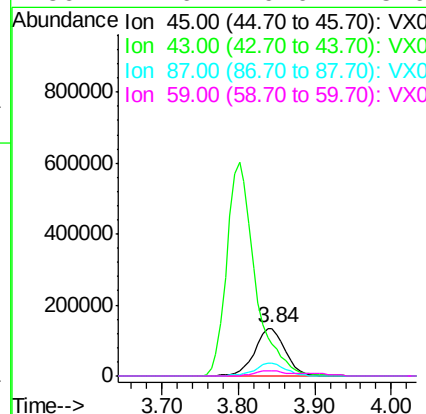
Ion Ratio Lower Upper

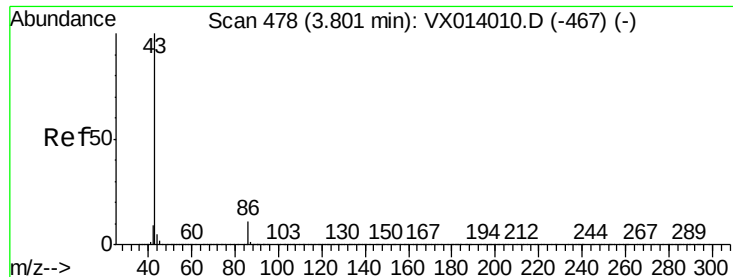
45 100

43 67.0 57.4 86.0

87 26.0 21.9 32.9

59 11.6 9.0 13.6





#23

Vinyl Acetate

Concen: 100.313 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 43 Resp: 1550281

Ion Ratio Lower Upper

43 100

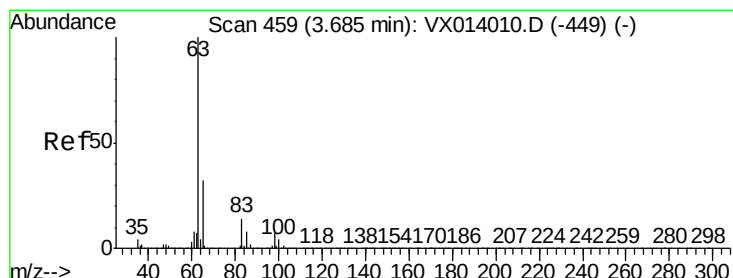
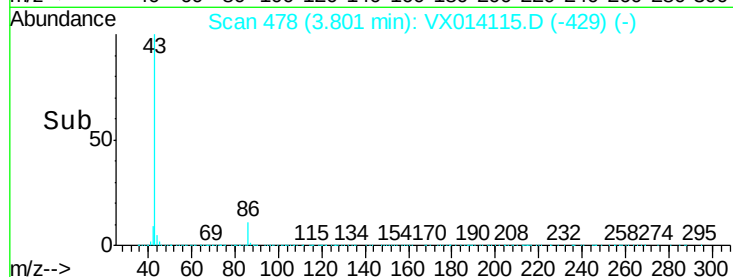
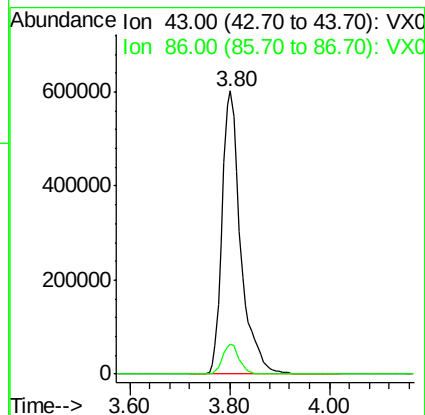
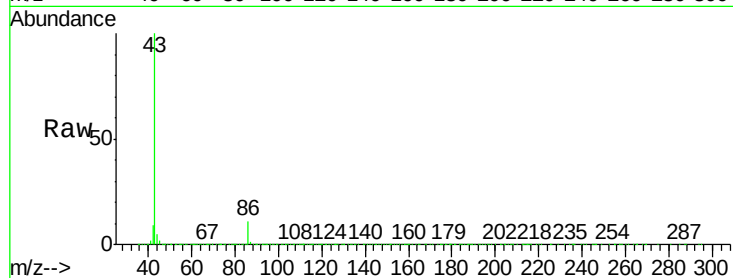
86 10.5 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 18.899 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

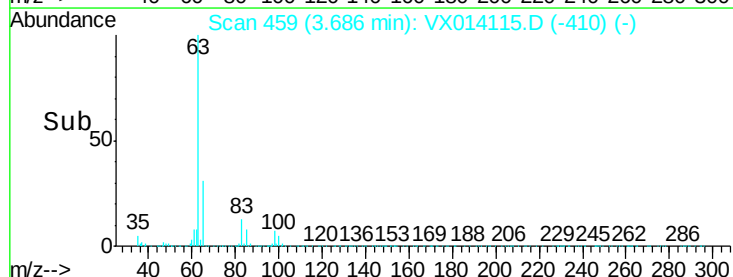
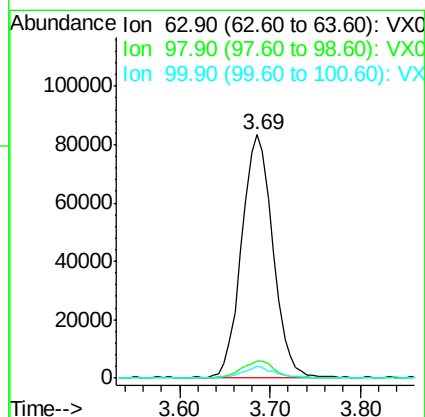
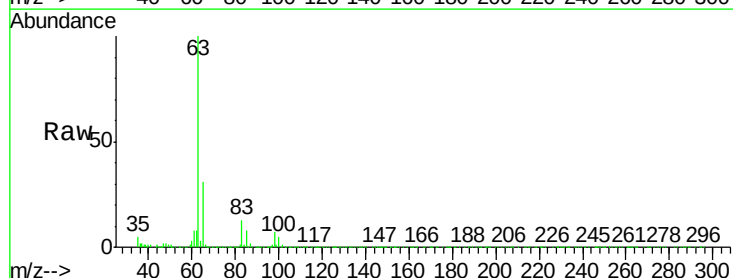
Tgt Ion: 63 Resp: 199120

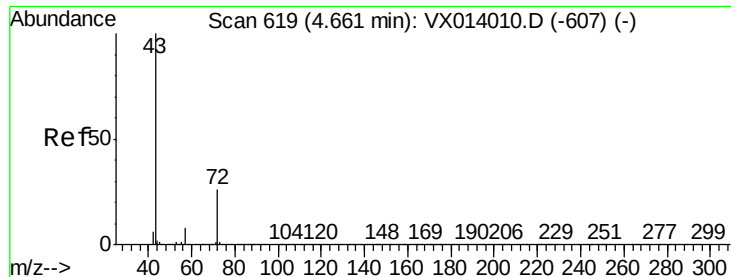
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 91.750 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 43 Resp: 460534

Ion Ratio Lower Upper

43 100

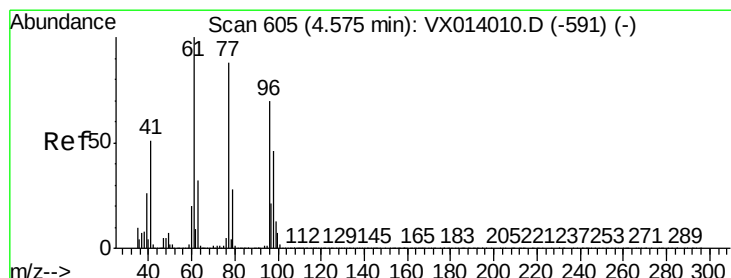
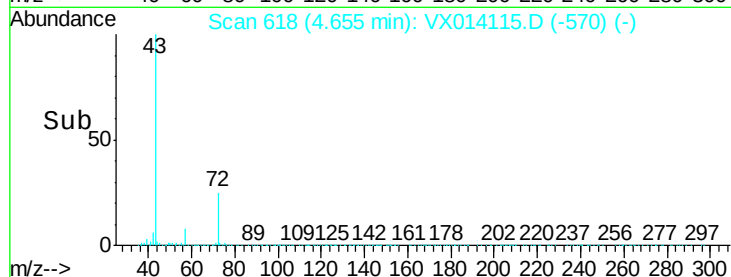
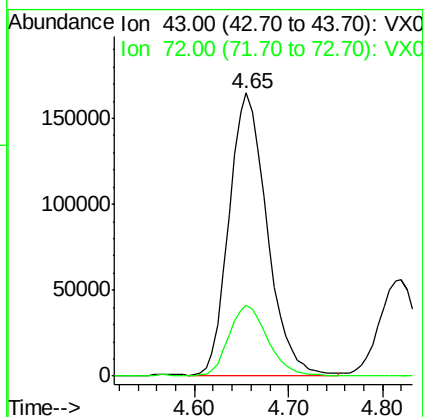
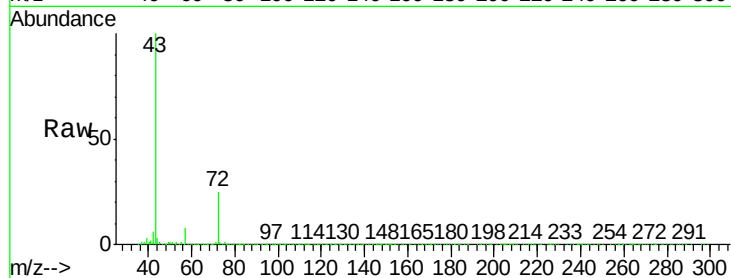
72 25.1 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 18.898 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014115.D

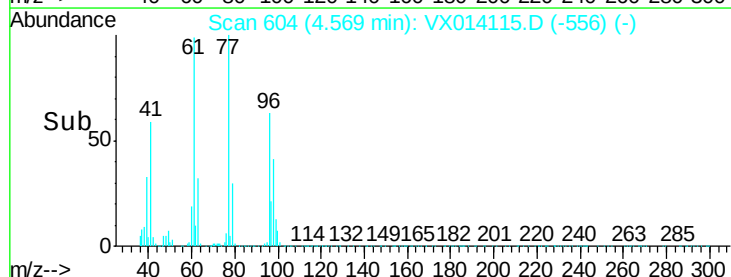
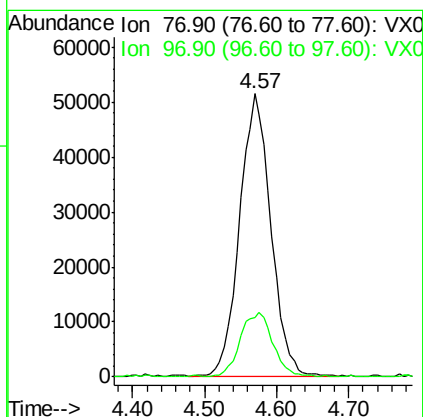
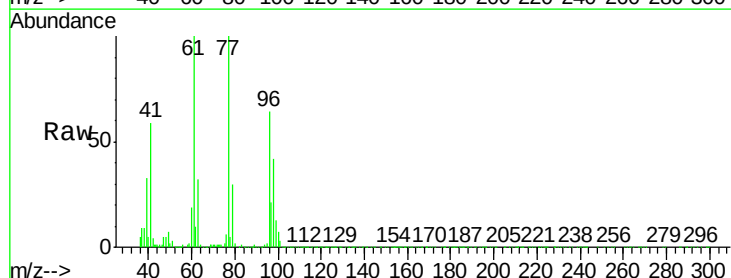
Acq: 19 Dec 2019 12:35

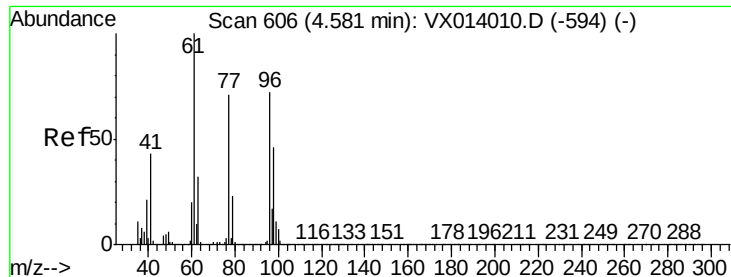
Tgt Ion: 77 Resp: 154597

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.9





#27

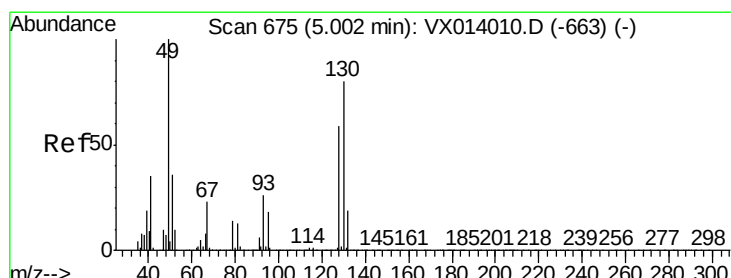
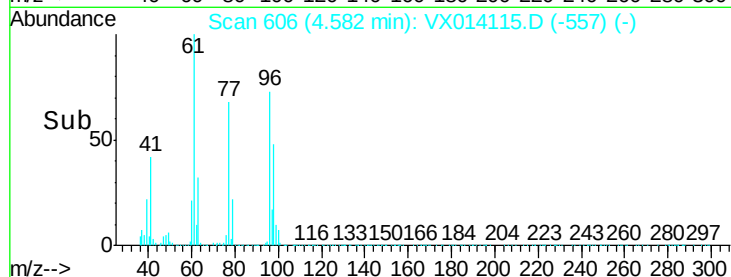
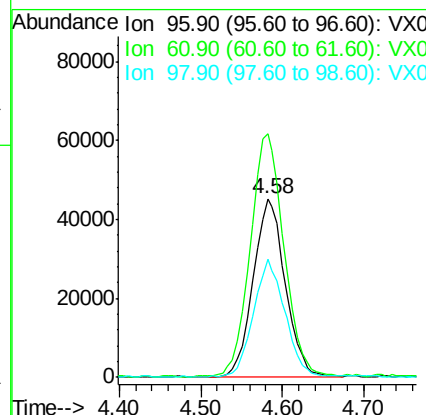
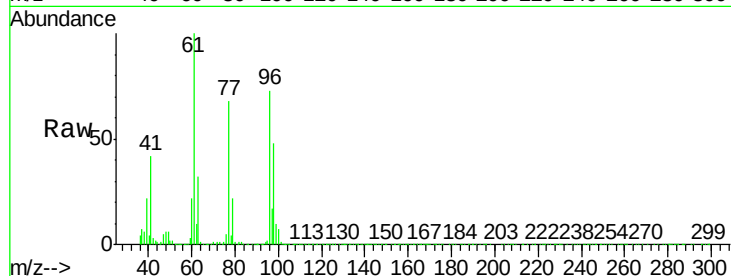
cis-1,2-Dichloroethene
Concen: 18.785 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	124577		
61	141.1	0.0	288.4	
98	64.9	0.0	129.6	

Manual Integrations
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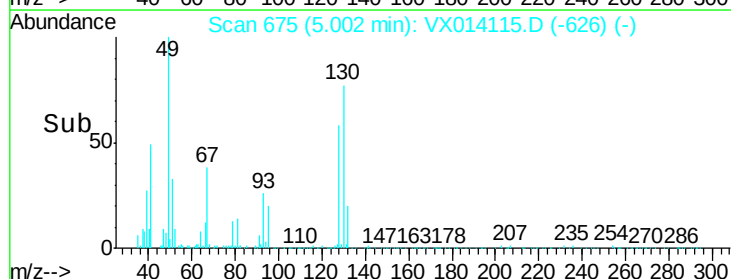
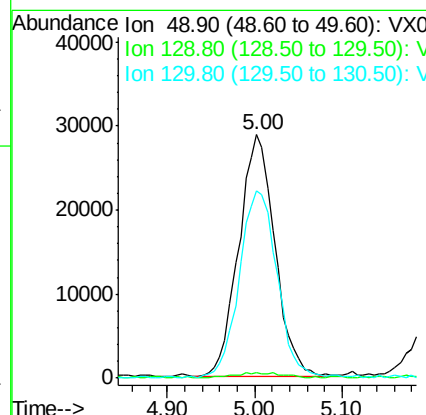
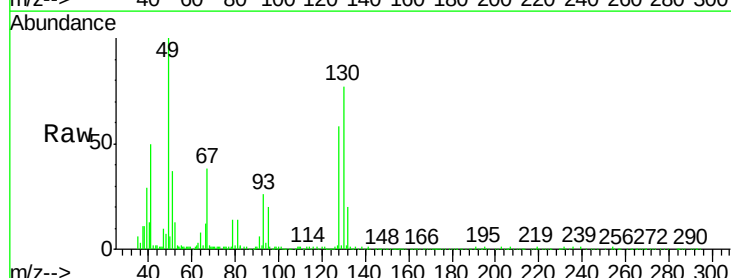
apatel
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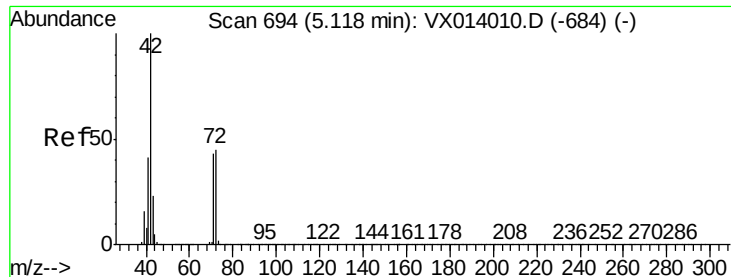


#28

Bromochloromethane
Concen: 20.728 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82904		
129	3.0	0.0	5.0	
130	79.9	64.6	97.0	





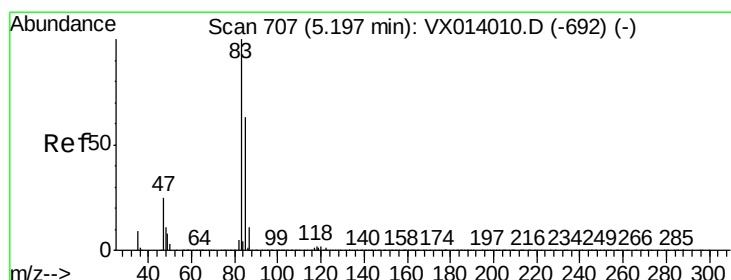
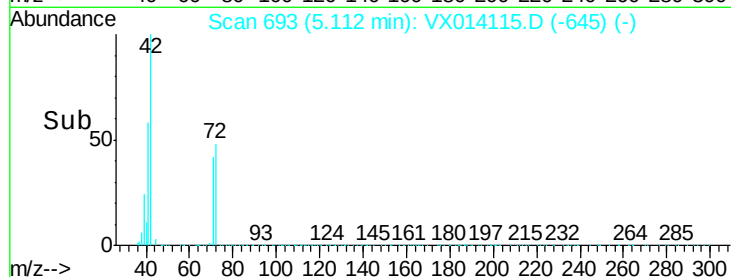
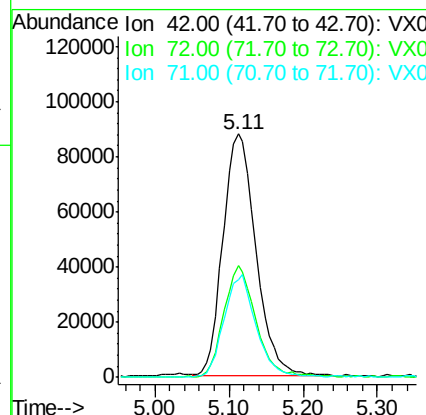
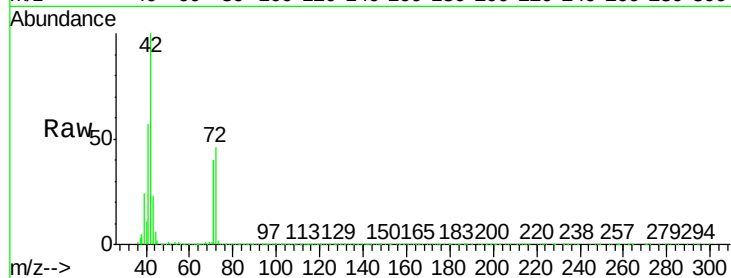
#29
Tetrahydrofuran
Concen: 96.221 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.8	53.8
71	40.5	33.6	50.4

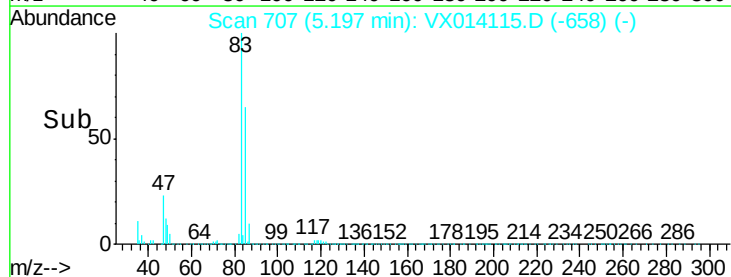
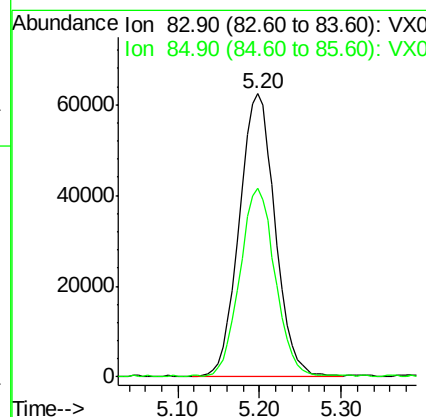
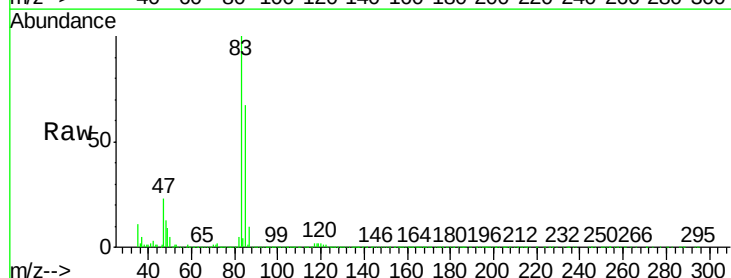
Manual Integrations
APPROVED

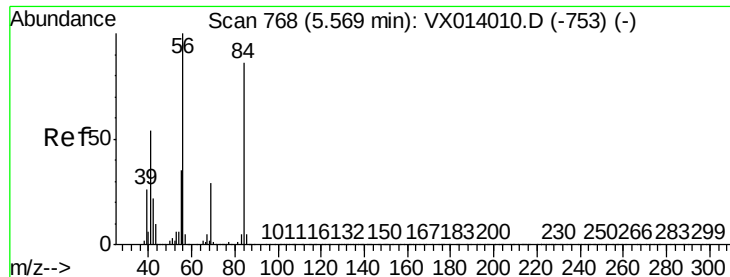
apatel
12/20/2019 10:12:42 AM



#30
Chloroform
Concen: 18.896 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.8	76.2





#31

Cyclohexane

Concen: 19.467 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

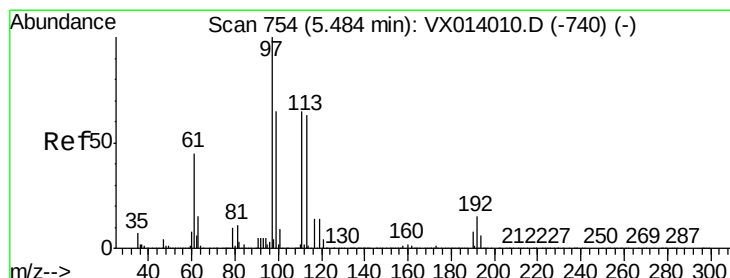
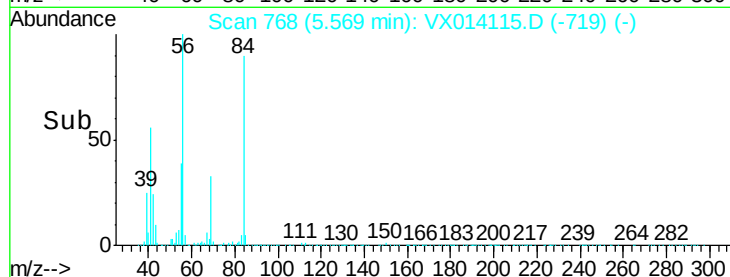
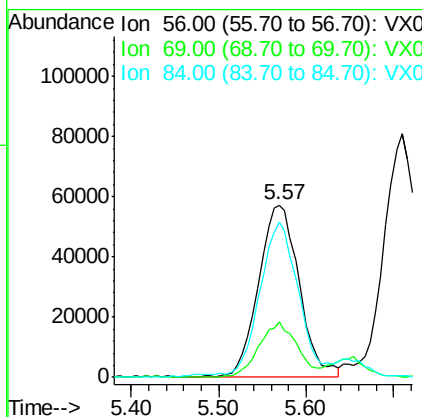
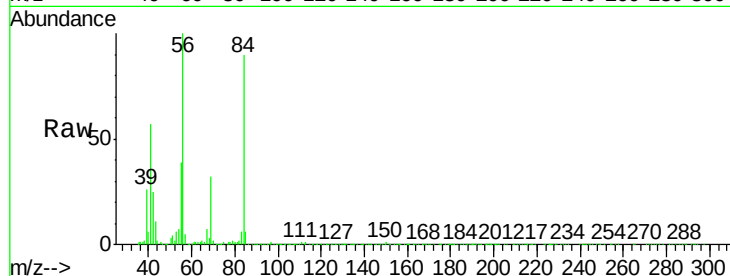
ClientSampleId :

VX1219WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.2	34.8
84	89.6	69.2	103.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.694 ug/l

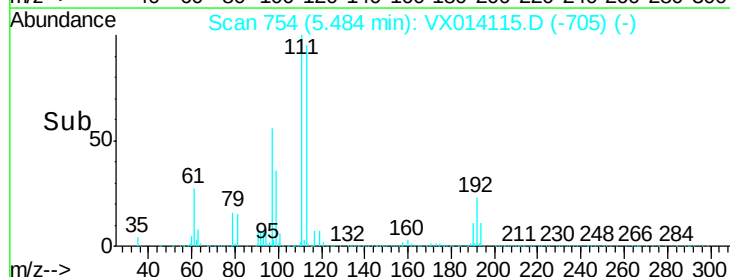
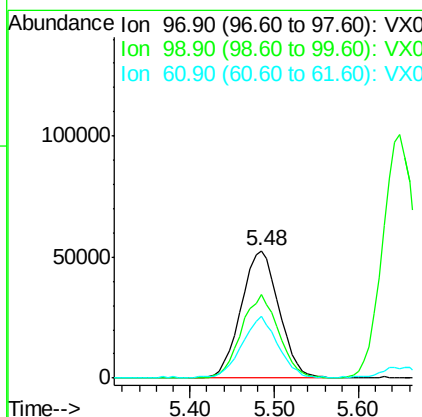
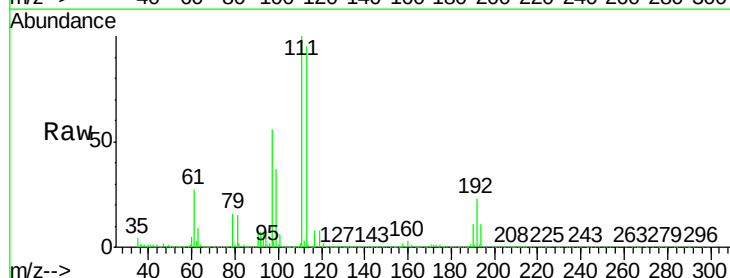
RT: 5.48 min Scan# 754

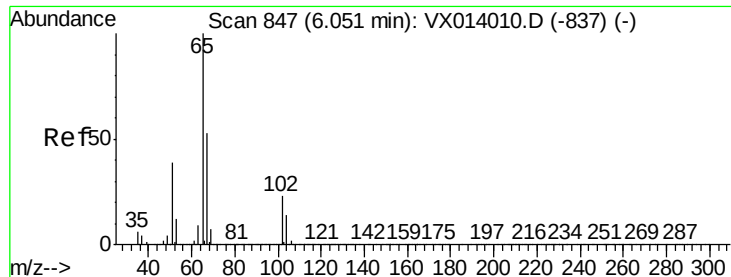
Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	46.0	36.7	55.1





#33

1,2-Dichloroethane-d4

Concen: 49.541 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 65 Resp: 310677

Ion Ratio Lower Upper

65 100

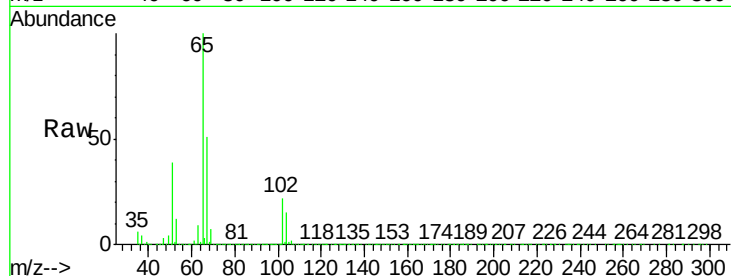
67 53.2 0.0 106.4

Manual Integrations

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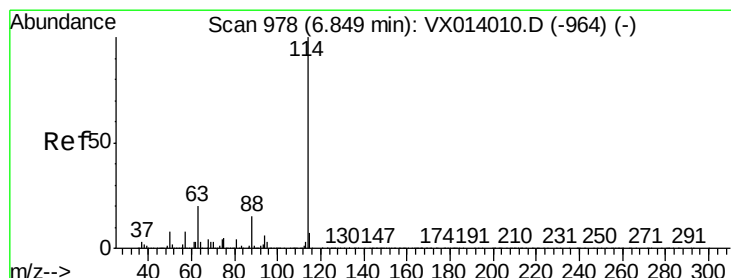
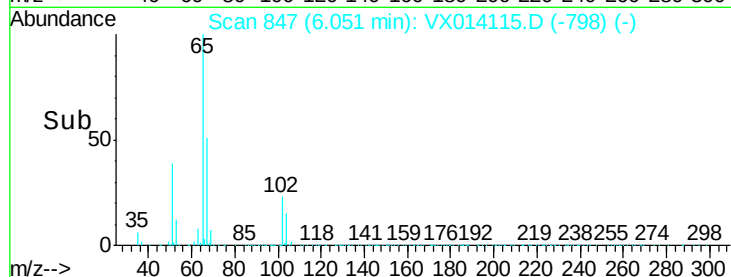
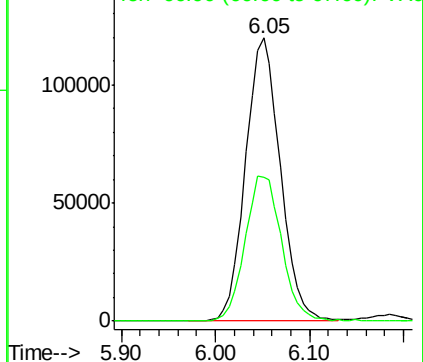
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

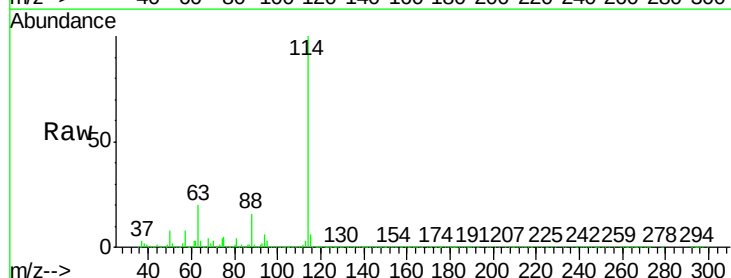
Tgt Ion: 114 Resp: 823447

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

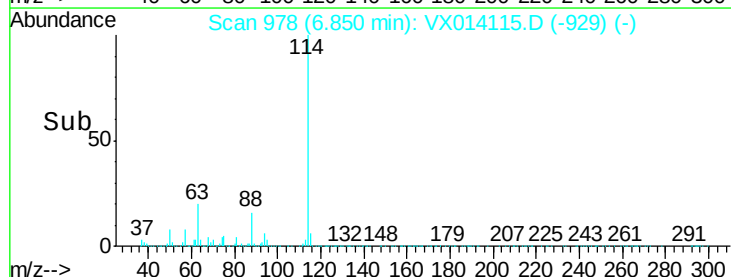
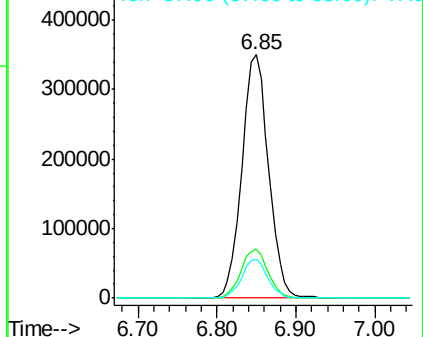
88 15.7 0.0 30.4

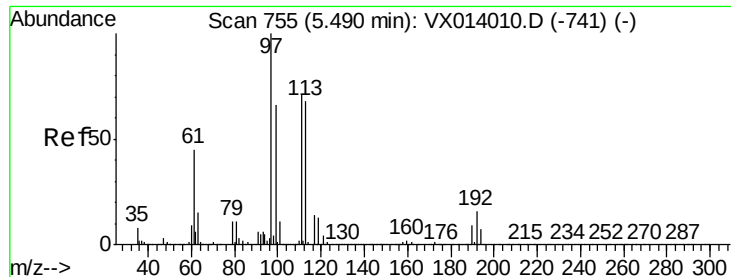


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





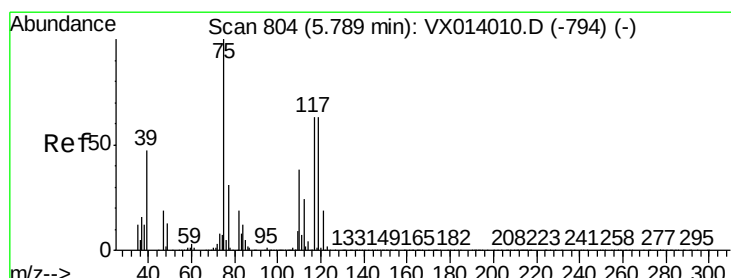
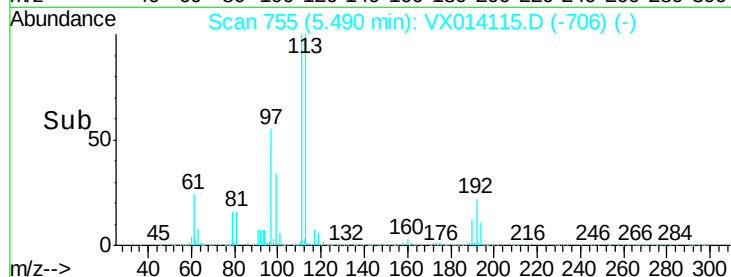
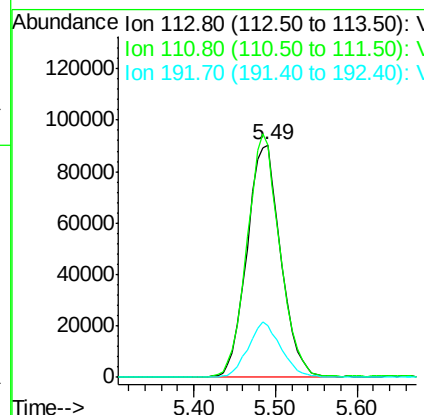
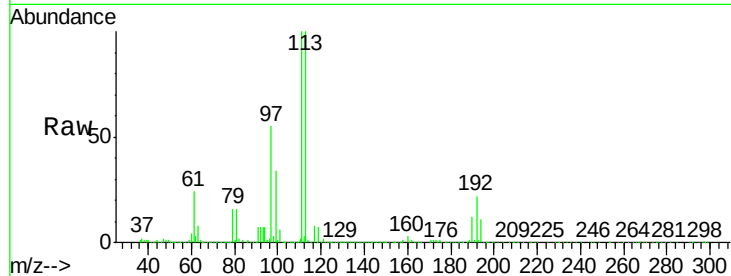
#35
Dibromofluoromethane
Concen: 51.948 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	260031		
111	101.7	82.0	123.0	
192	23.3	19.3	28.9	

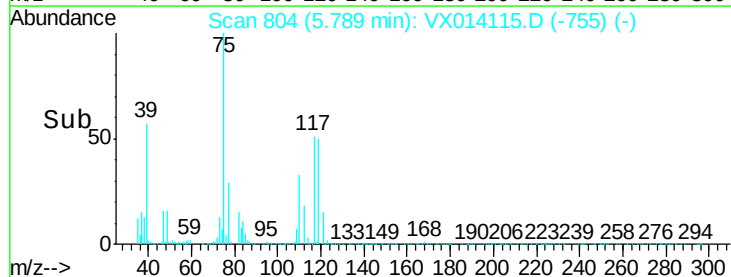
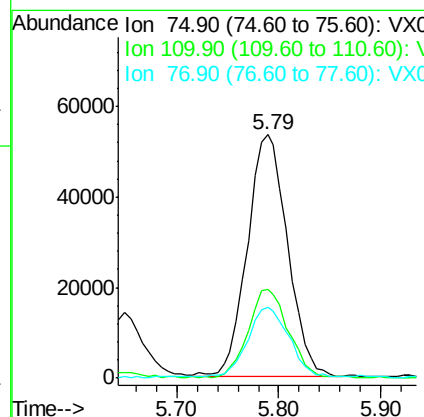
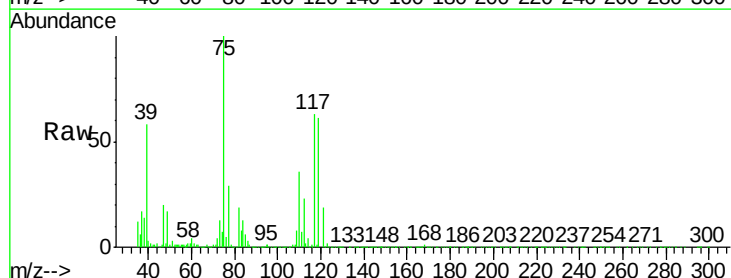
Manual Integrations
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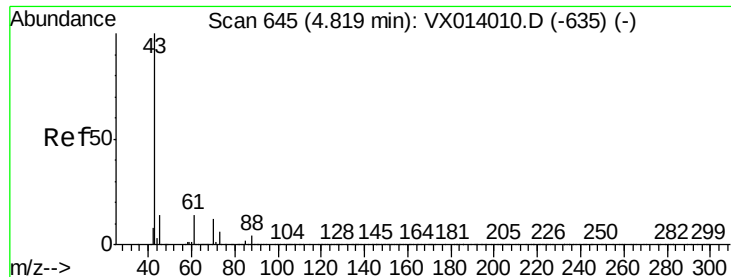
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#36
1,1-Dichloropropene
Concen: 19.367 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146328		
110	36.8	18.3	54.9	
77	29.5	24.8	37.2	





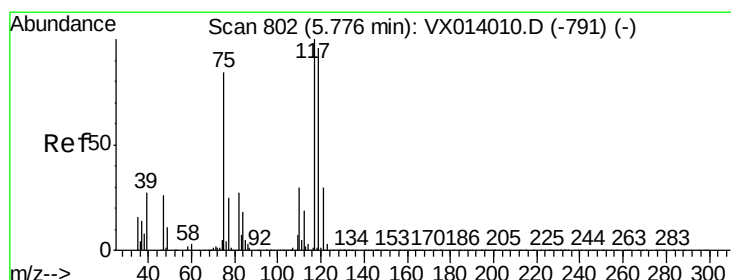
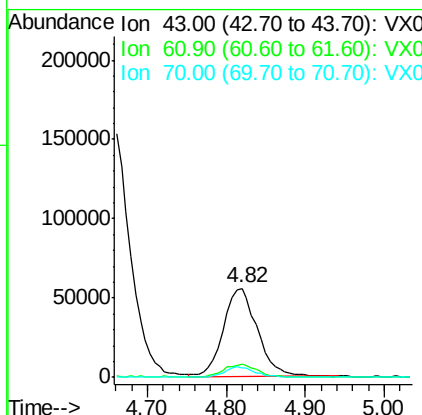
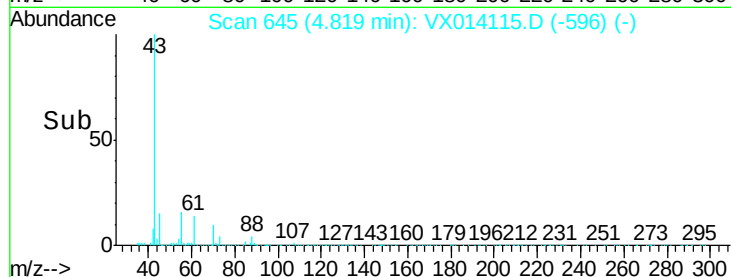
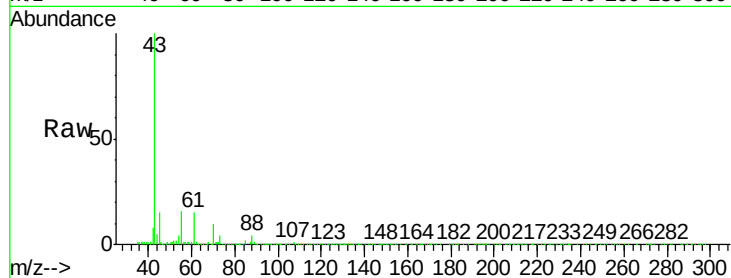
#37
Ethyl Acetate
Concen: 19.914 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	43	Resp	166154
Ion Ratio	Lower	Upper	
43	100		
61	13.6	10.8	16.2
70	11.6	8.6	12.8

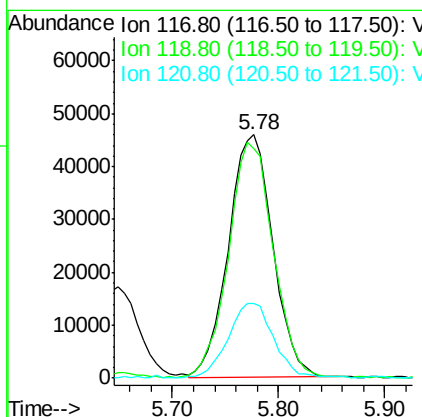
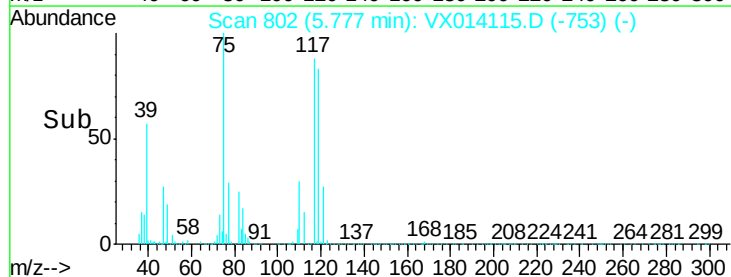
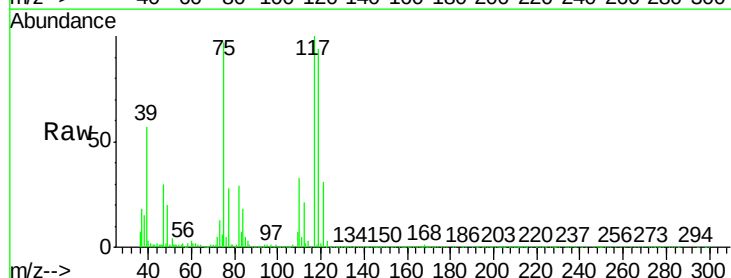
Manual Integrations
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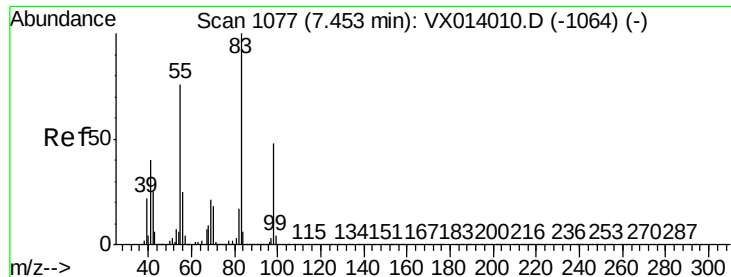
apatel
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#38
Carbon Tetrachloride
Concen: 19.484 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	117	Resp	134110
Ion Ratio	Lower	Upper	
117	100		
119	94.1	76.2	114.4
121	30.4	23.6	35.4





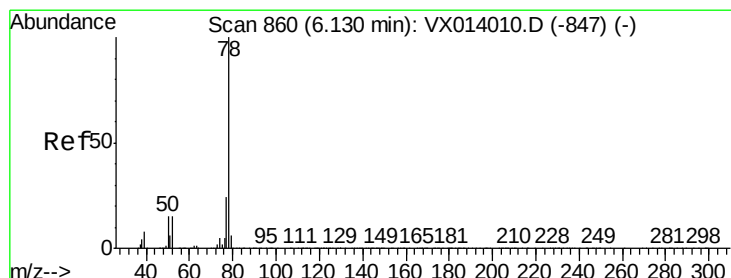
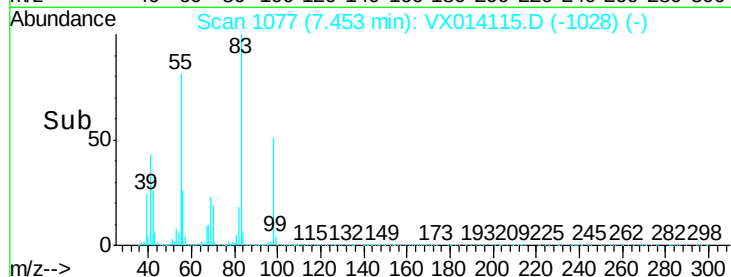
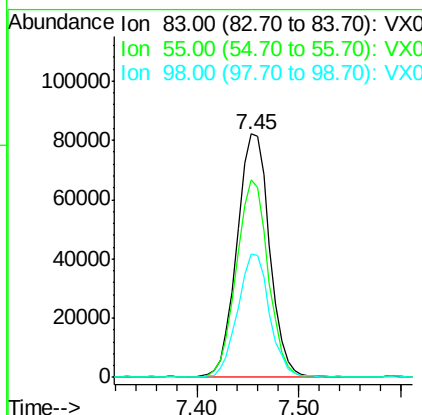
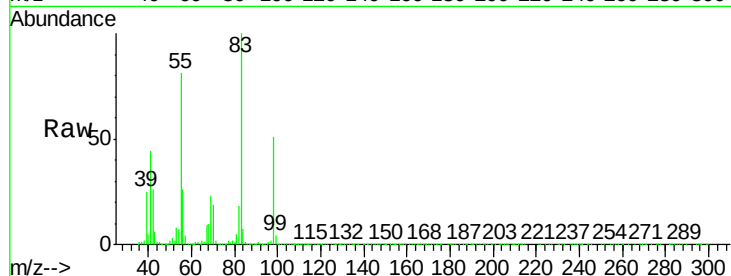
#39
Methylvclclohexane
Concen: 19.518 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	61.0	91.6
98	50.7	38.6	57.8

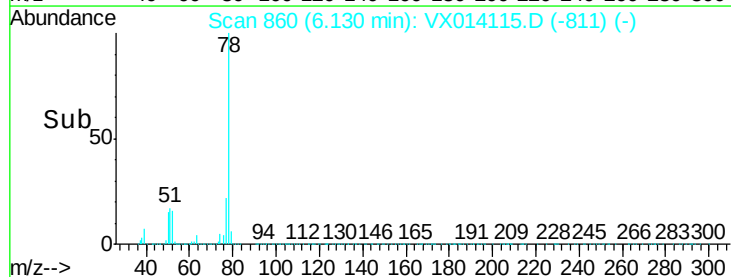
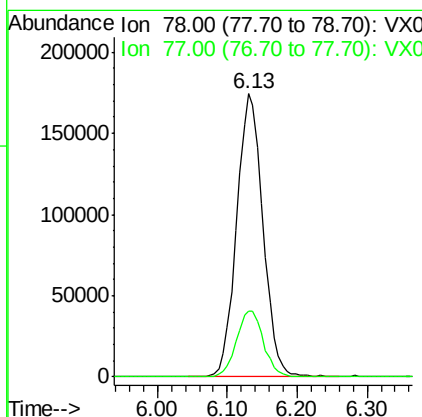
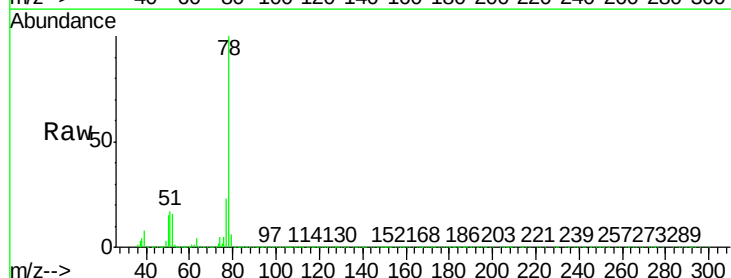
Manual Integrations
APPROVED

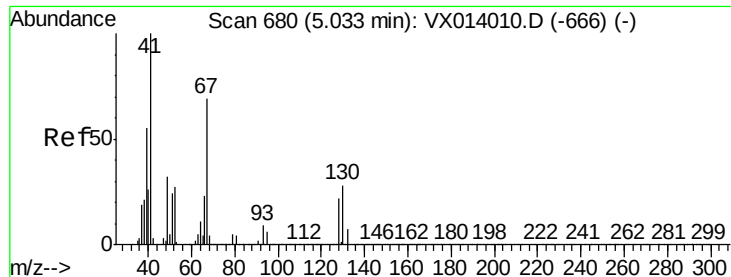
apatel
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#40
Benzene
Concen: 19.594 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2





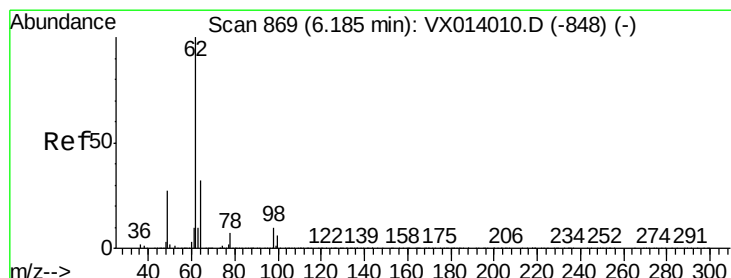
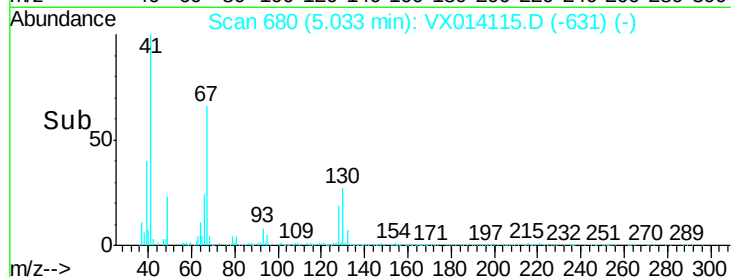
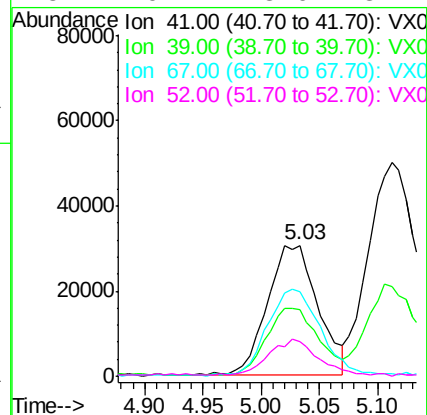
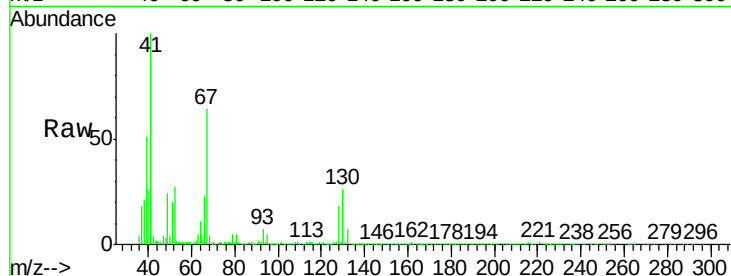
#41
Methacrylonitrile
Concen: 19.866 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.9	44.5	66.7
67	69.5	57.4	86.0
52	29.2	23.0	34.4

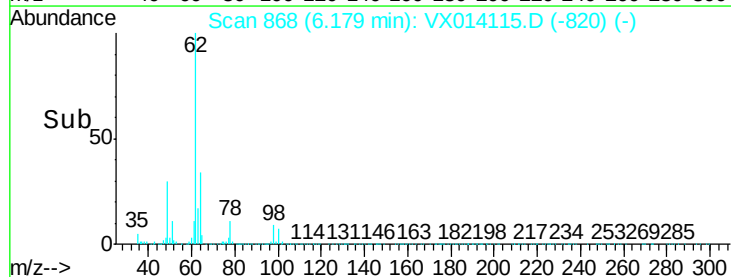
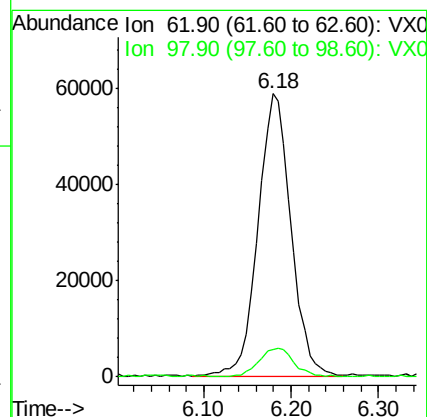
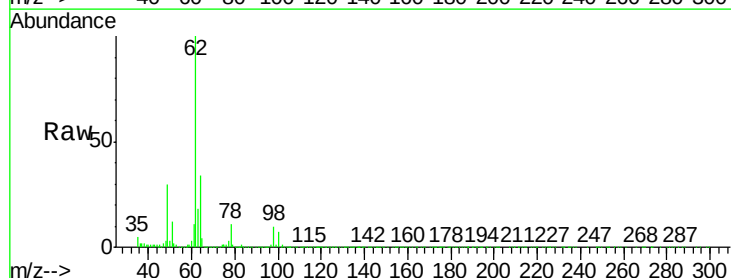
Manual Integrations
APPROVED

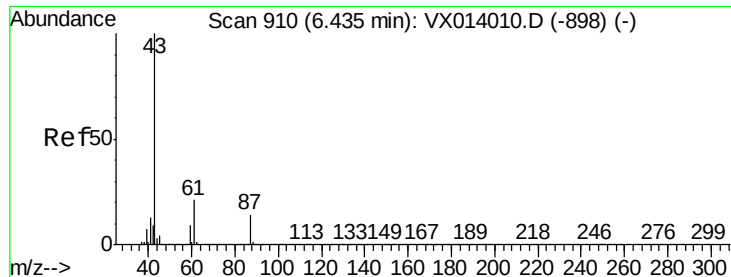
apatel
12/20/2019 10:12:42 AM



#42
1,2-Dichloroethane
Concen: 19.484 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.326 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

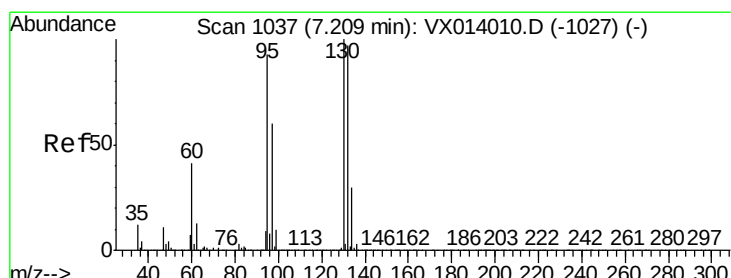
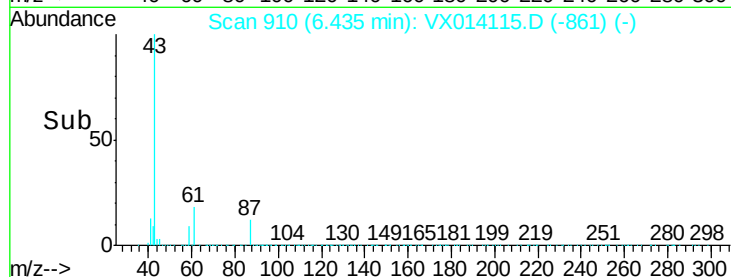
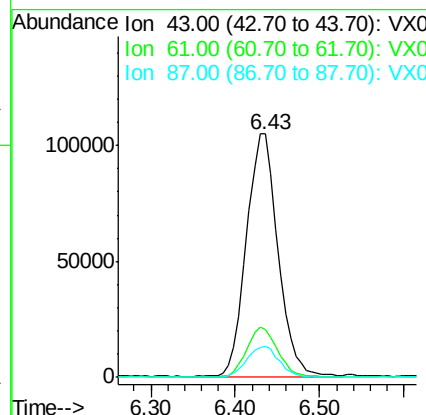
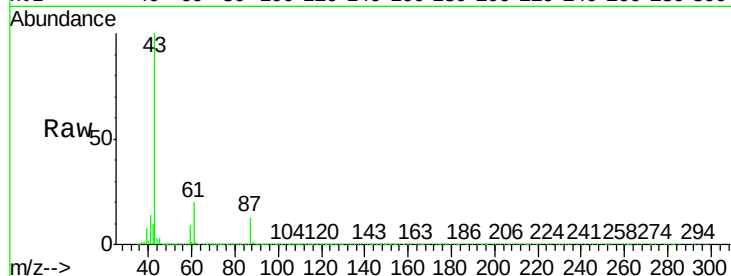
ClientSampleId :

VX1219WBS01

Tot Ion:	43	Resp:	266848
Ion Ratio		Lower	Upper
43	100		
61	19.8	16.4	24.6
87	13.4	10.7	16.1

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#44

Trichloroethene

Concen: 18.920 ug/l

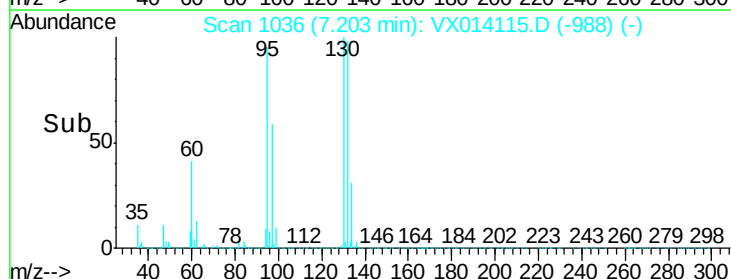
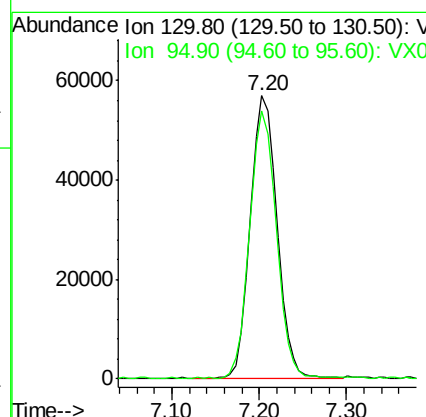
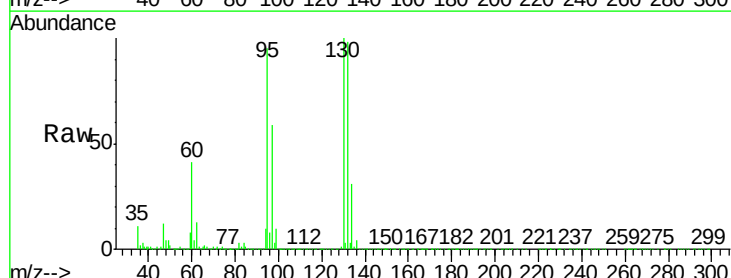
RT: 7.20 min Scan# 1036

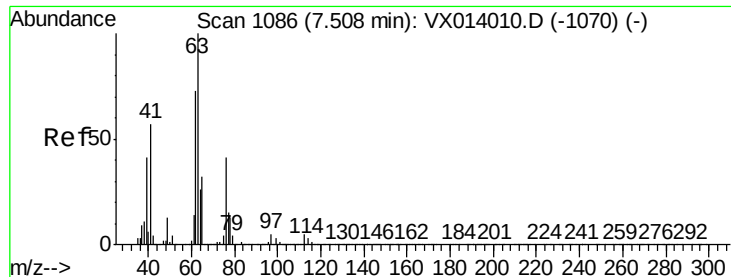
Delta R.T. -0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion:	130	Resp:	121489
Ion Ratio		Lower	Upper
130	100		
95	94.7	0.0	185.6





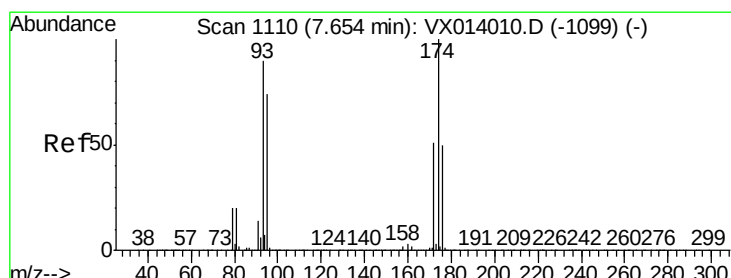
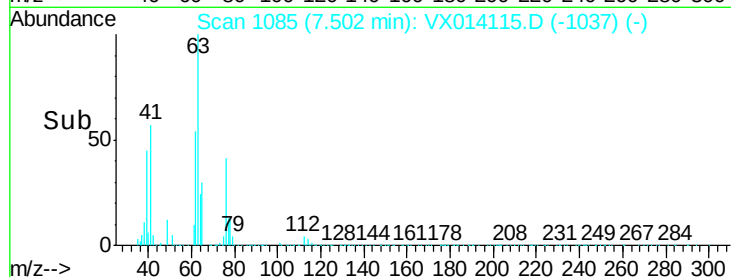
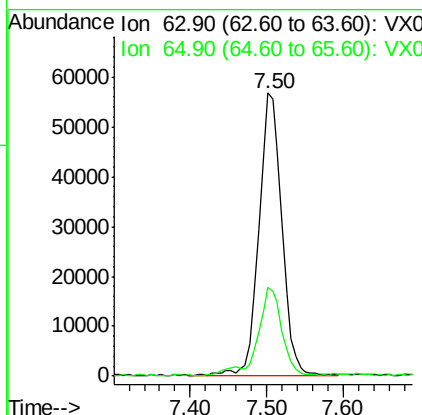
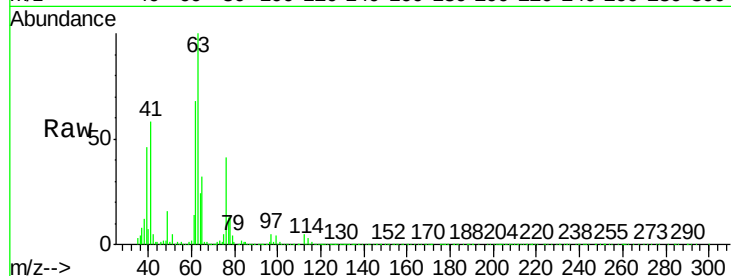
#45
 1,2-Dichloropropane
 Concen: 19.912 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.8	38.8

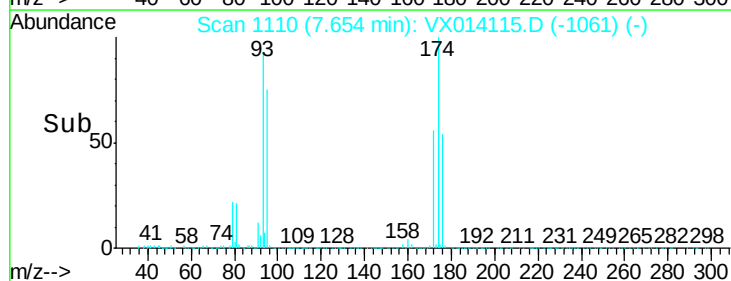
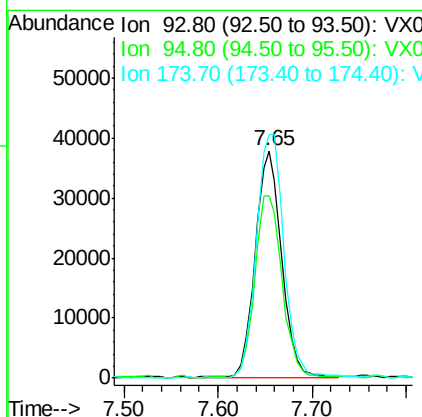
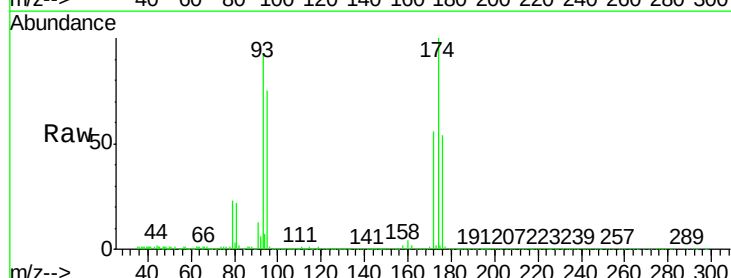
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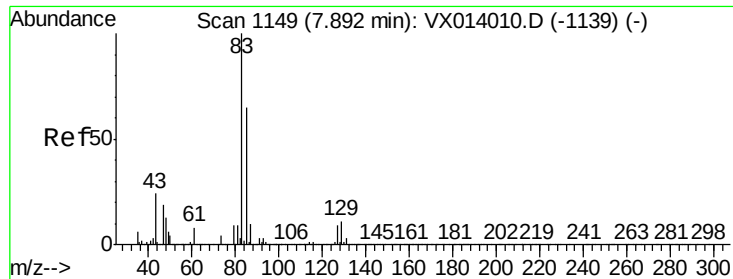
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#46
 Dibromomethane
 Concen: 19.158 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.3	100.9
174	110.8	91.6	137.4





#47

Bromodichloromethane

Concen: 19.332 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

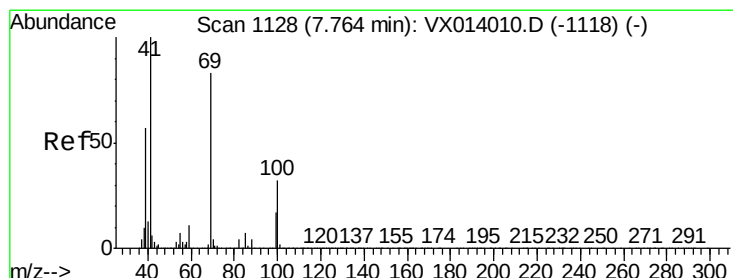
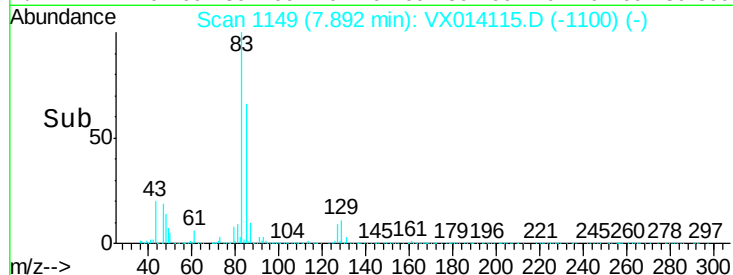
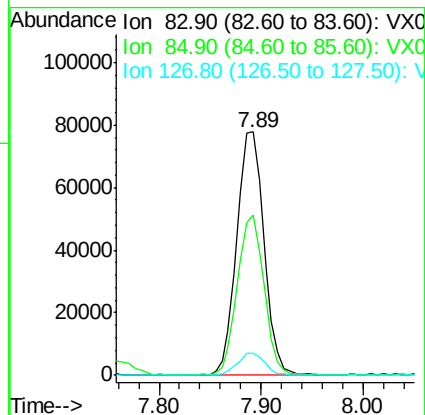
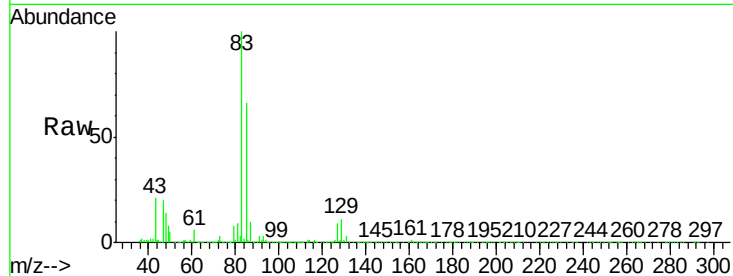
ClientSampleId :

VX1219WBS01

Tot Ion:	83	Resp:	143432
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.8	77.8
127	9.2	7.0	10.4

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#48

Methyl methacrylate

Concen: 19.066 ug/l

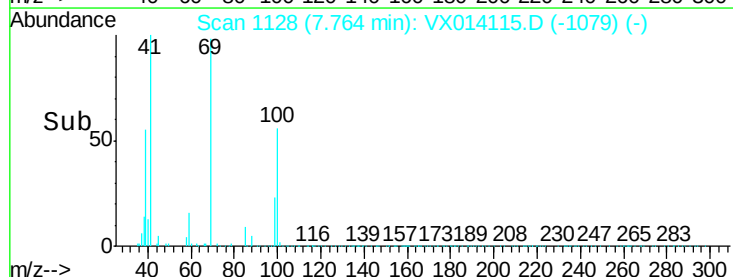
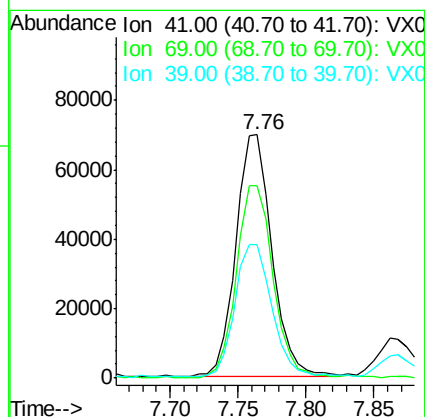
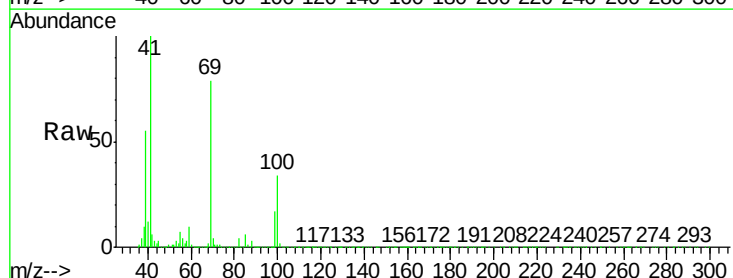
RT: 7.76 min Scan# 1128

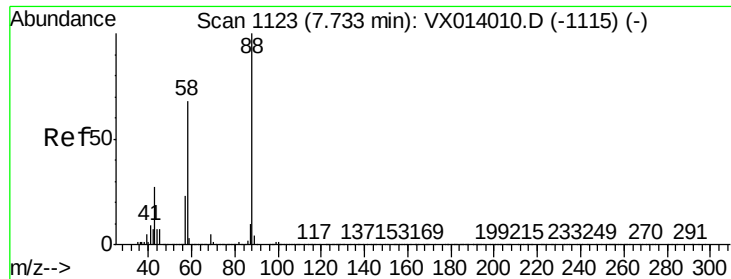
Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion:	41	Resp:	128911
Ion Ratio	Lower	Upper	
41	100		
69	81.7	65.8	98.6
39	56.6	44.6	67.0





#49

1,4-Dioxane

Concen: 397.770 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

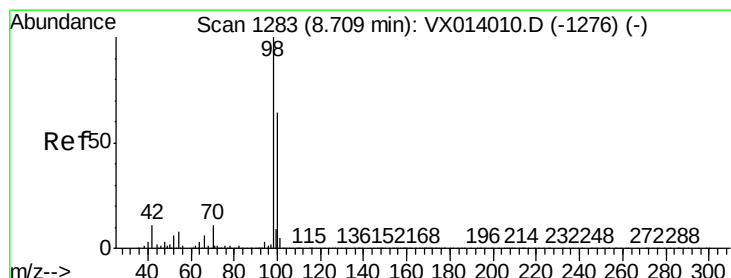
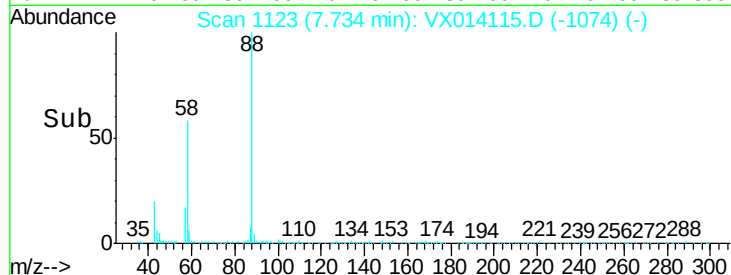
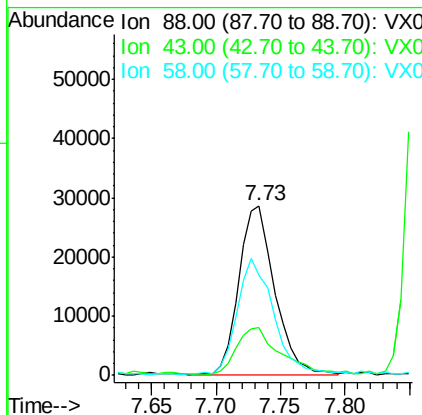
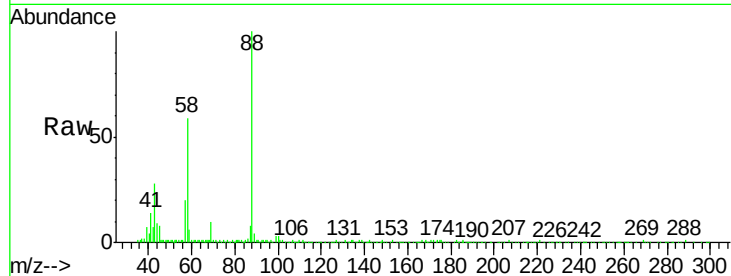
ClientSampleId :

VX1219WBS01

Tot Ion:	88	Resp:	54732
Ion Ratio	Lower	Upper	
88	100		
43	36.2	26.5	39.7
58	71.1	56.8	85.2

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#50

Toluene-d8

Concen: 51.634 ug/l

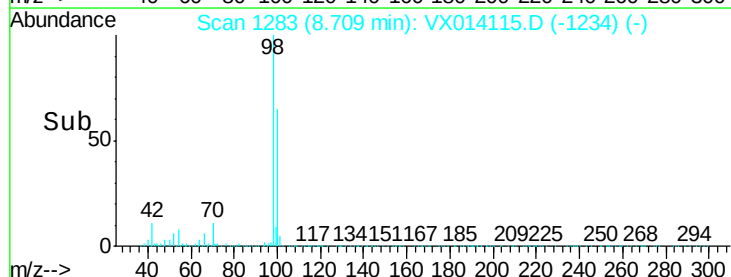
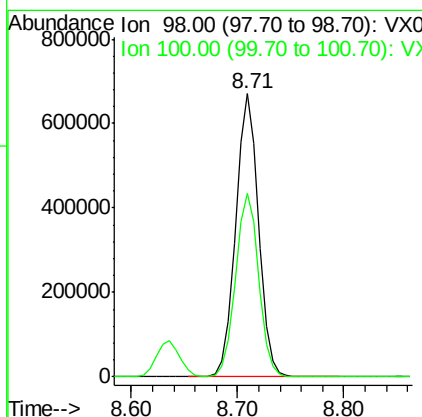
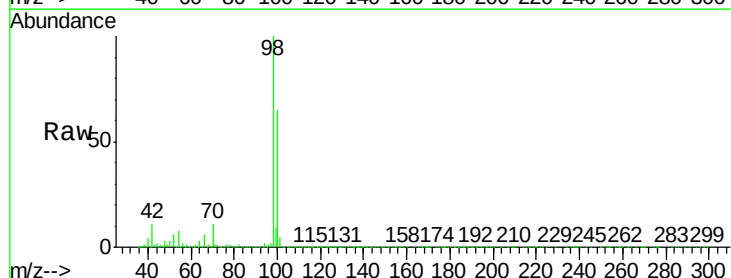
RT: 8.71 min Scan# 1283

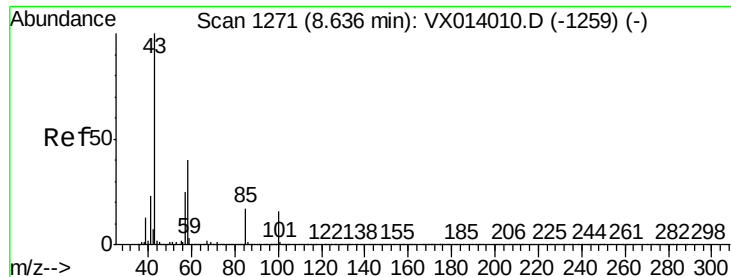
Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion:	98	Resp:	1006254
Ion Ratio	Lower	Upper	
98	100		
100	65.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 97.309 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 43 Resp: 843834

Ion Ratio Lower Upper

43 100

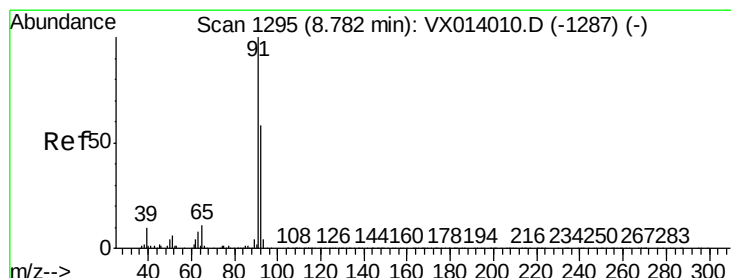
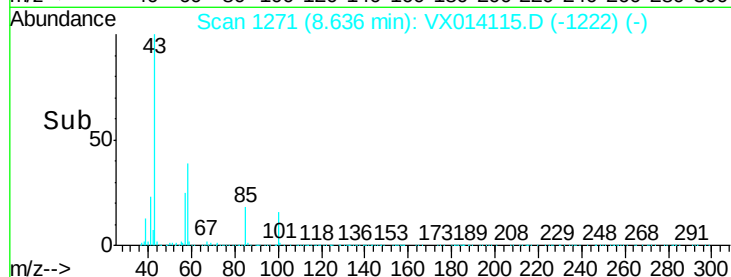
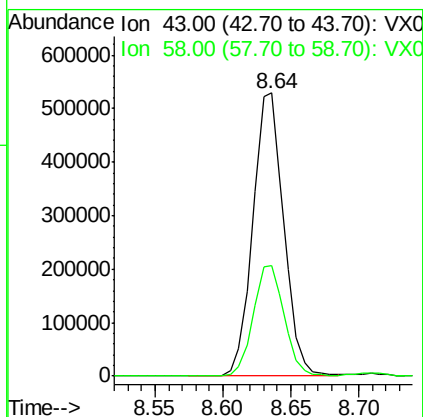
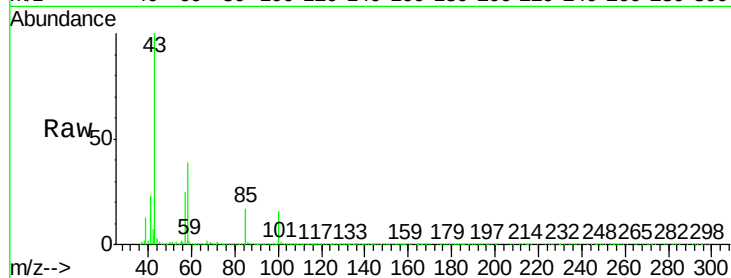
58 39.2 32.2 48.2

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#52

Toluene

Concen: 19.269 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014115.D

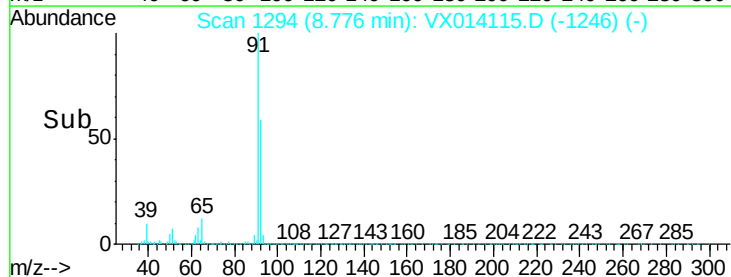
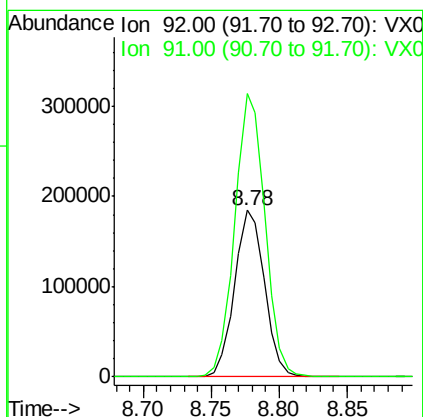
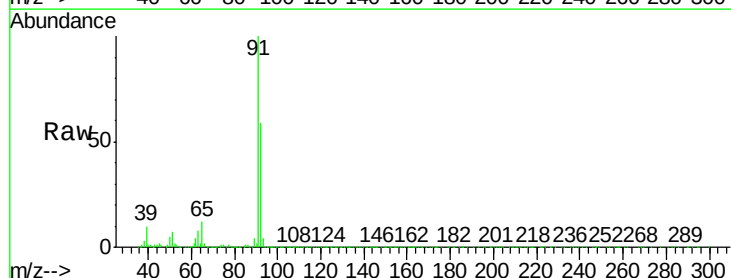
Acq: 19 Dec 2019 12:35

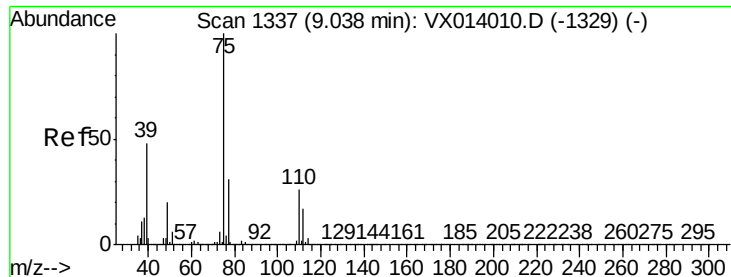
Tgt Ion: 92 Resp: 283140

Ion Ratio Lower Upper

92 100

91 171.8 136.2 204.4





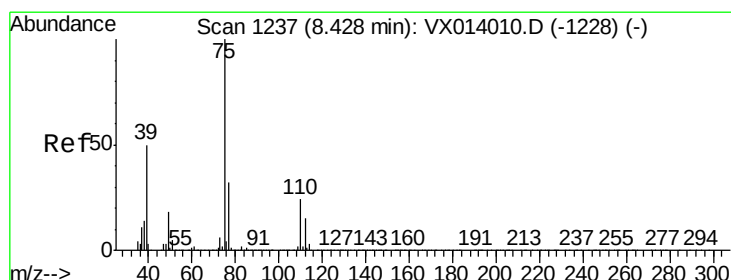
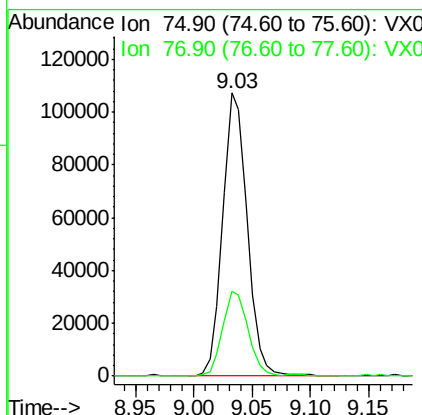
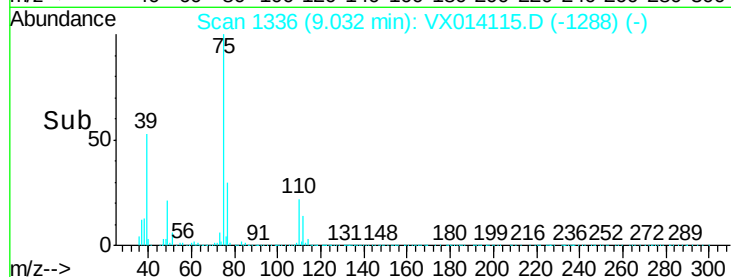
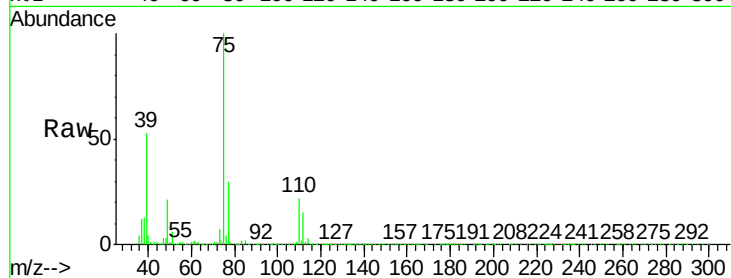
#53
t-1,3-Dichloropropene
Concen: 19.171 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion: 75 Resp: 155968
Ion Ratio Lower Upper
75 100
77 30.0 25.1 37.7

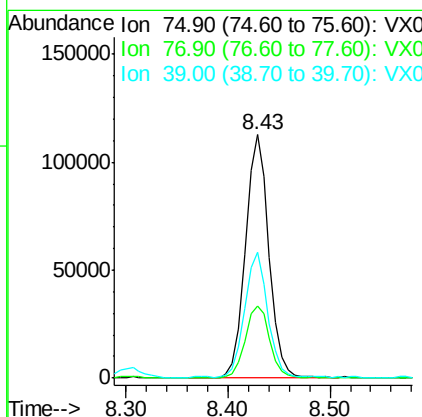
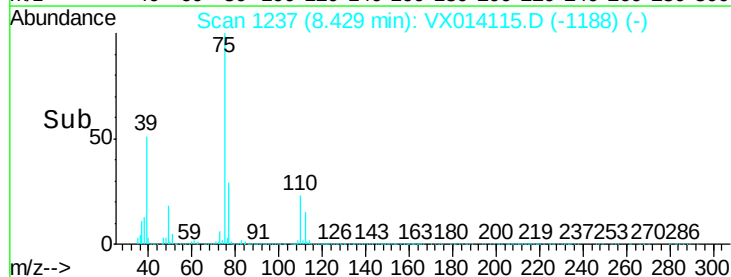
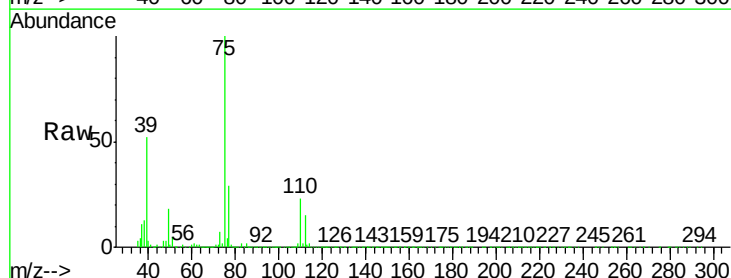
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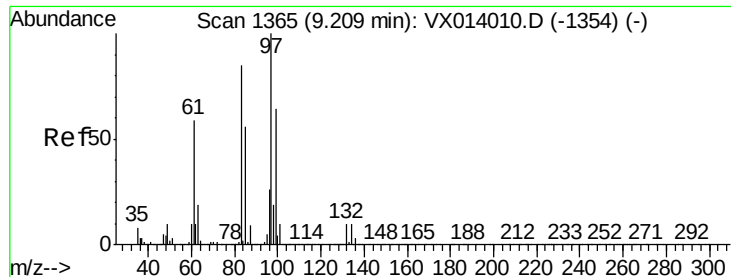
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#54
cis-1,3-Dichloropropene
Concen: 19.728 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion: 75 Resp: 178802
Ion Ratio Lower Upper
75 100
77 29.3 25.3 37.9
39 51.5 39.9 59.9





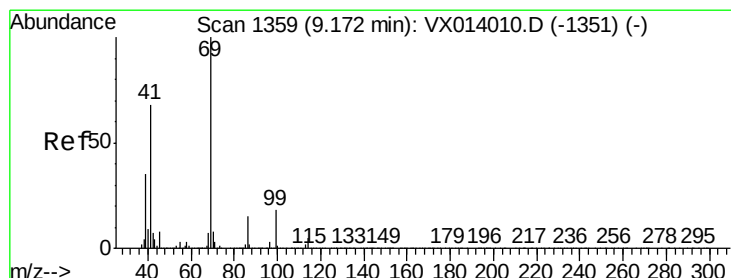
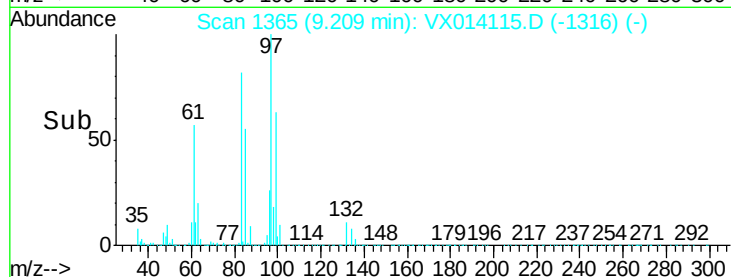
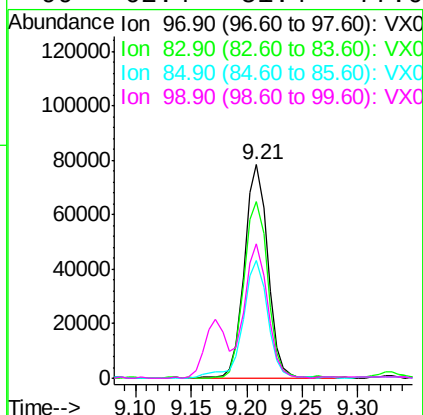
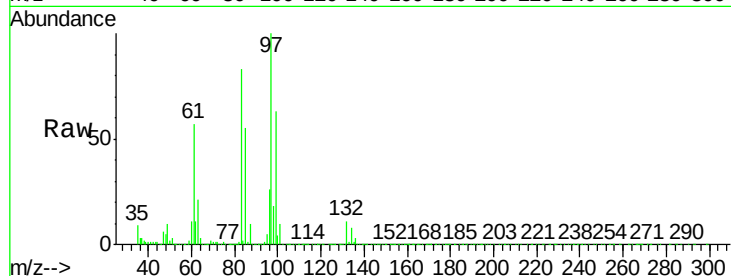
#55
 1,1,2-Trichloroethane
 Concen: 19.405 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		114282		
83	82.4	68.2	102.4		
85	54.9	44.6	66.8		
99	62.4	51.4	77.0		

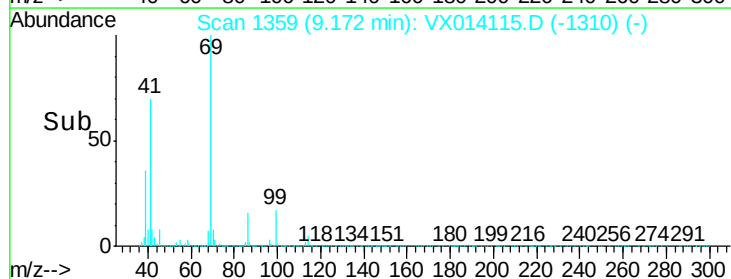
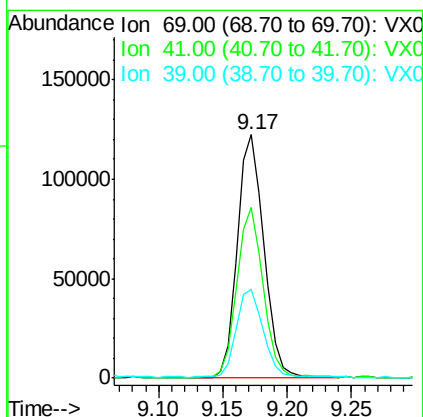
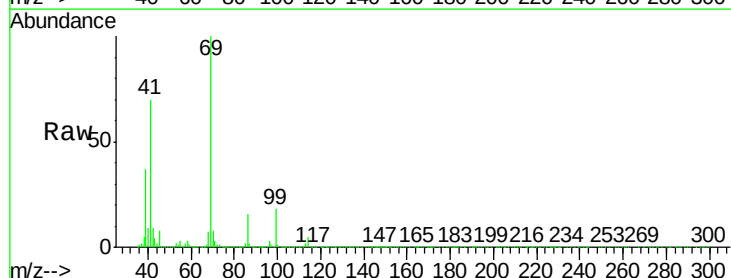
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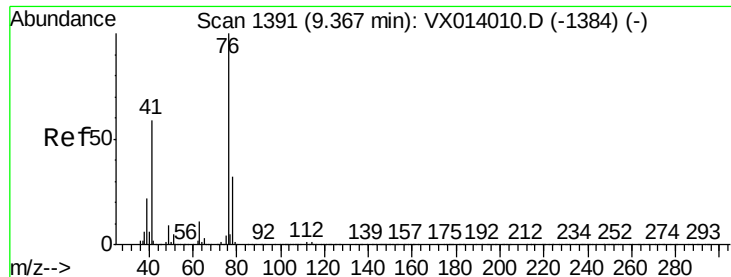
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#56
 Ethyl methacrylate
 Concen: 18.907 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		174913		
41	69.4	54.8	82.2		
39	36.9	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 19.773 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 76 Resp: 195925

Ion Ratio Lower Upper

76 100

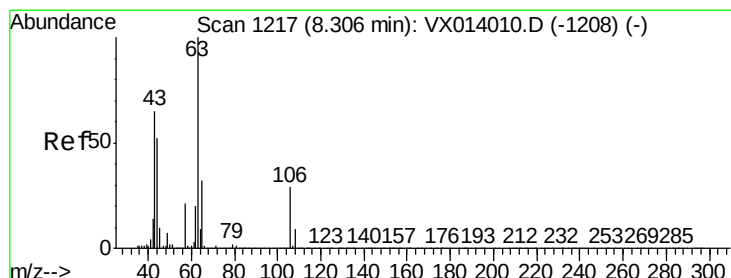
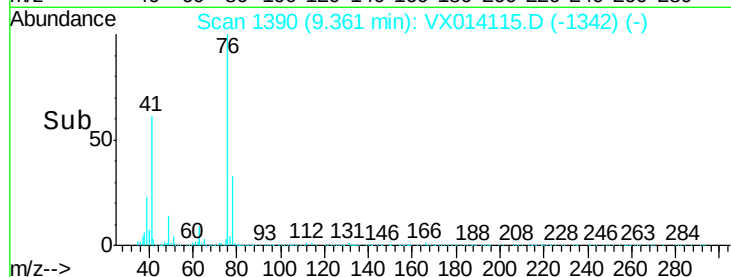
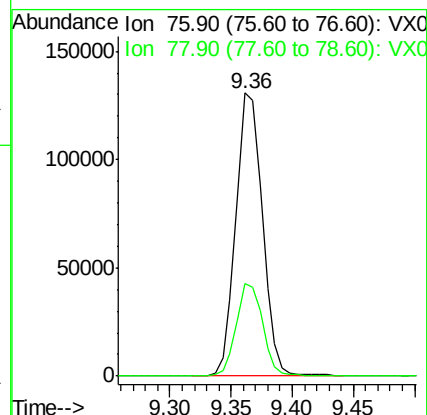
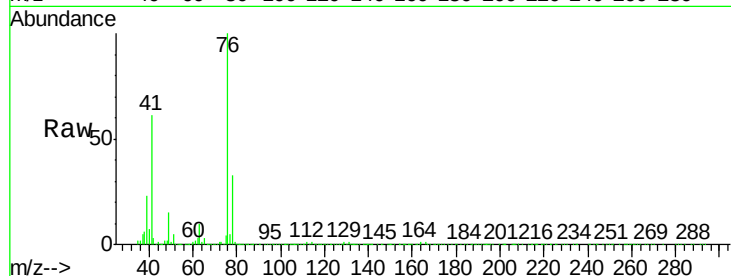
78 32.1 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 101.880 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014115.D

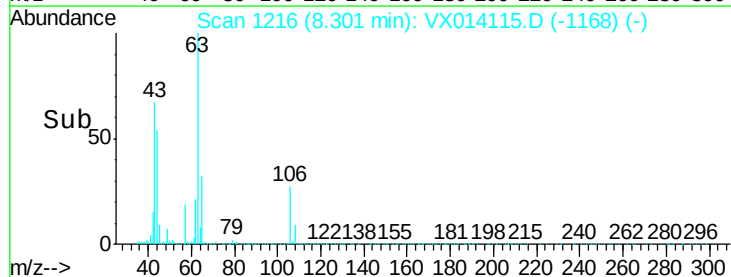
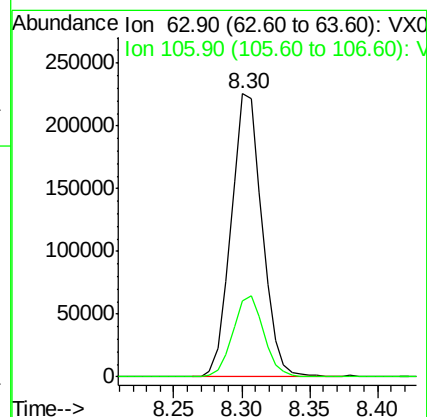
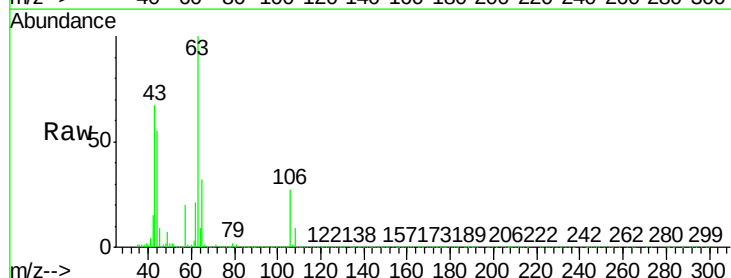
Acq: 19 Dec 2019 12:35

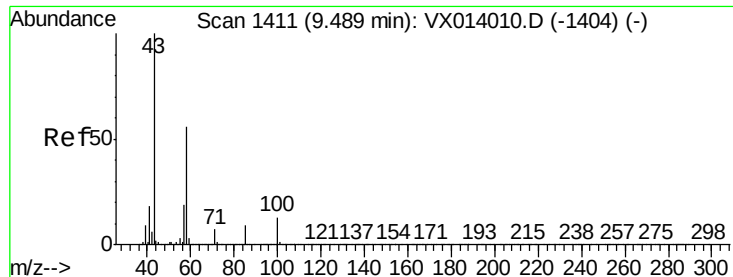
Tgt Ion: 63 Resp: 356674

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6





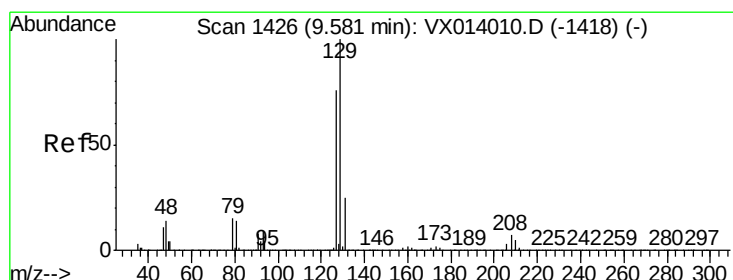
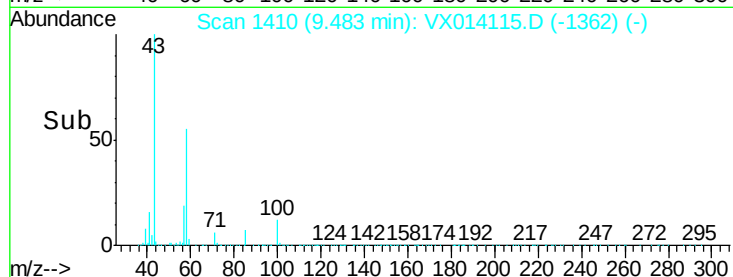
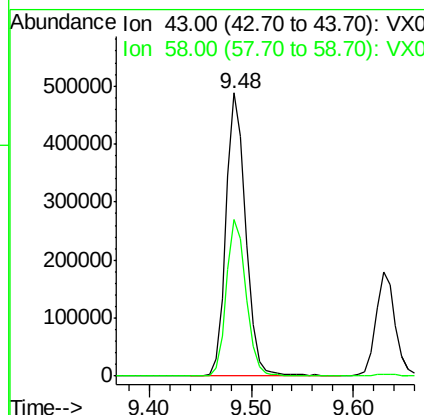
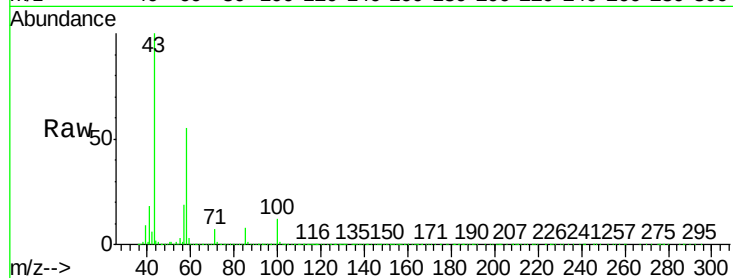
#59
2-Hexanone
Concen: 93.626 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion: 43 Resp: 653583
Ion Ratio Lower Upper
43 100
58 55.5 28.0 84.0

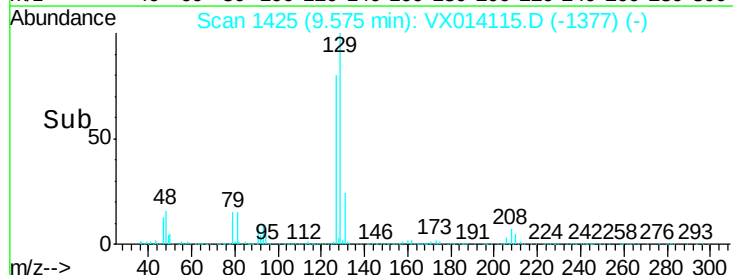
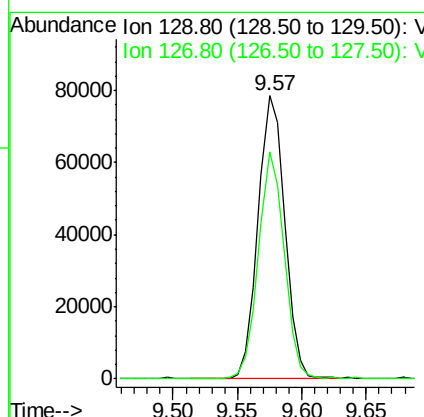
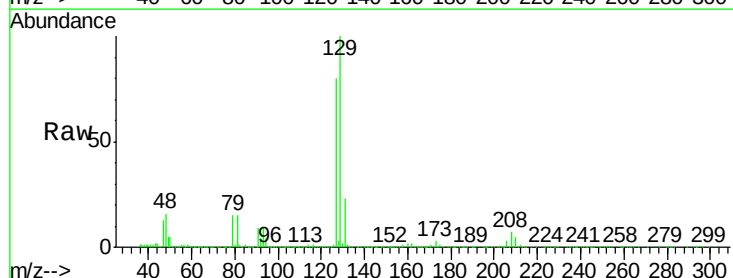
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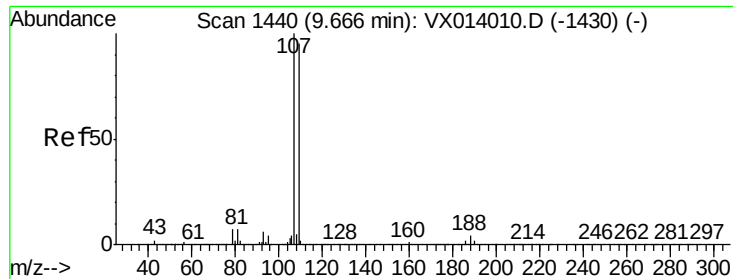
apatel
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#60
Dibromochloromethane
Concen: 19.212 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion: 129 Resp: 112469
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.618 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 107 Resp: 118214

Ion Ratio Lower Upper

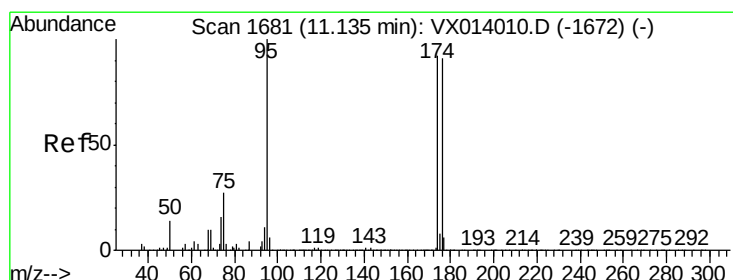
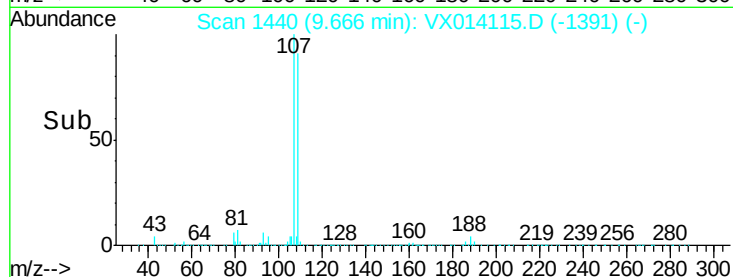
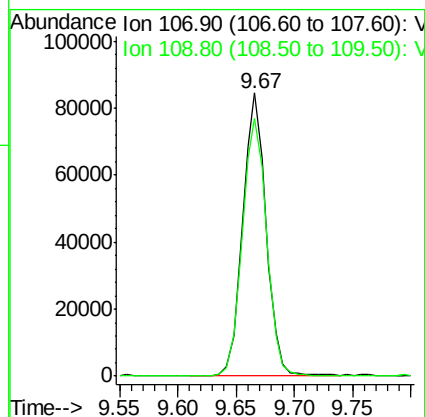
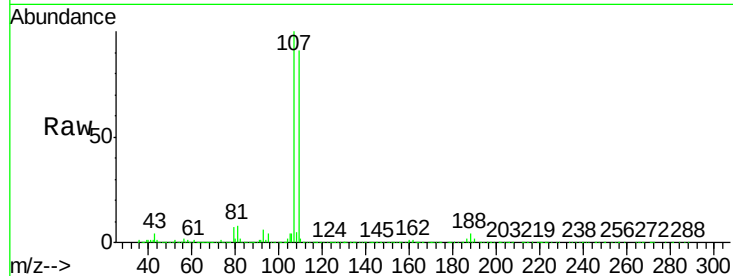
107 100

109 95.3 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 49.118 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

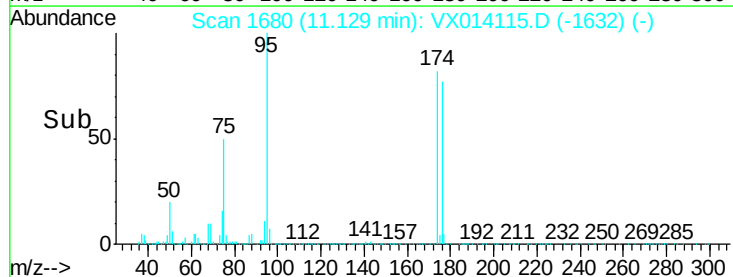
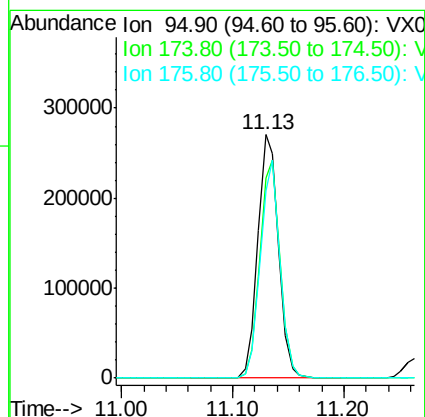
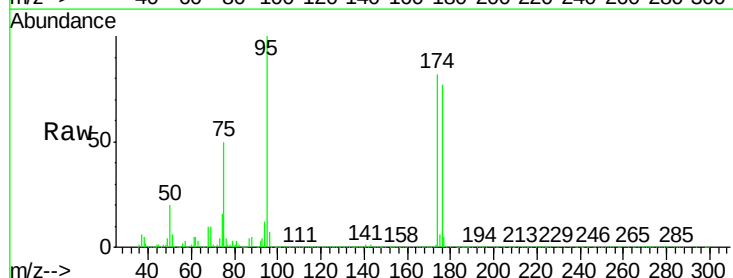
Tgt Ion: 95 Resp: 349906

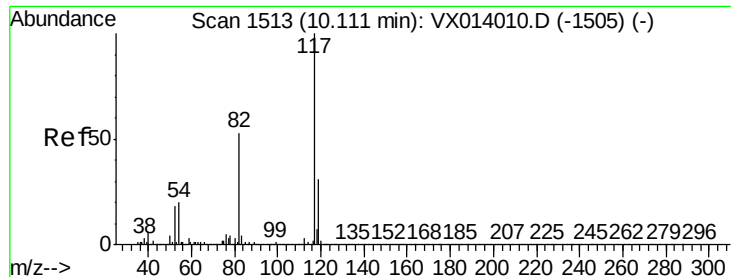
Ion Ratio Lower Upper

95 100

174 88.2 0.0 175.8

176 85.6 0.0 173.0





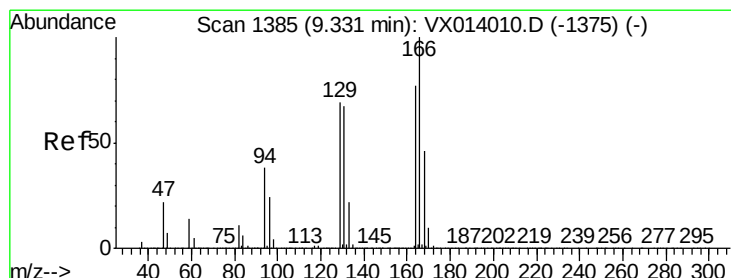
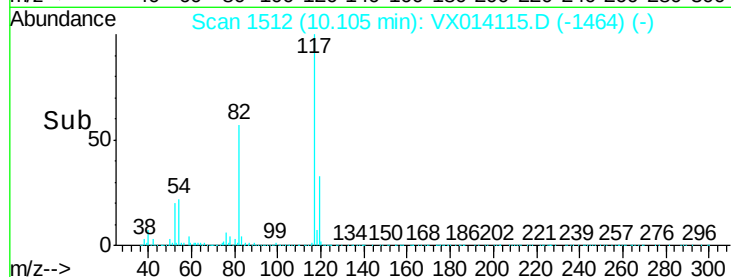
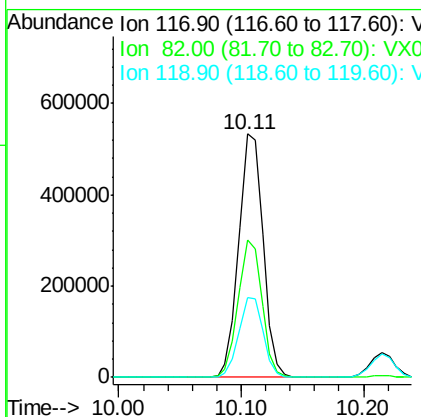
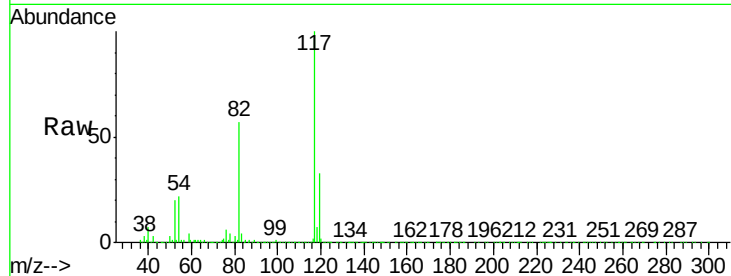
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	56.5	42.2	63.4
119	32.7	25.1	37.7

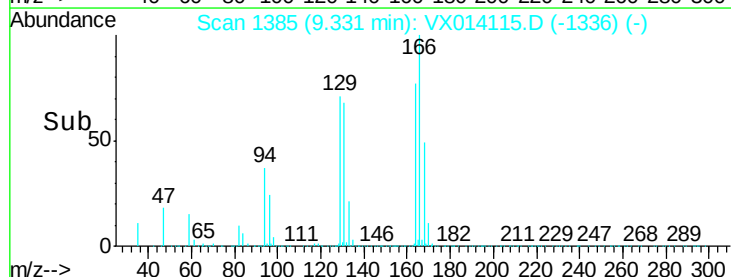
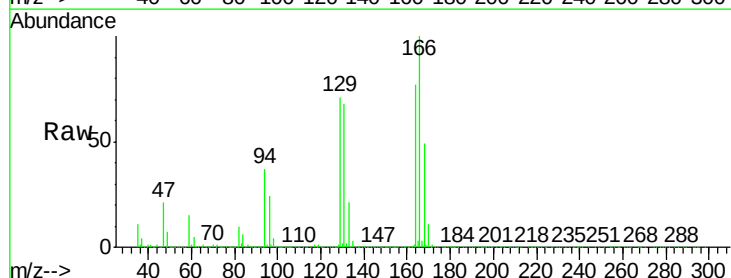
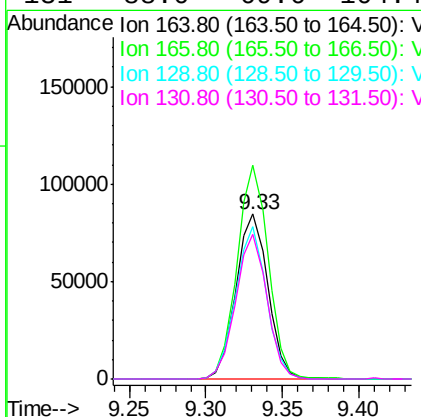
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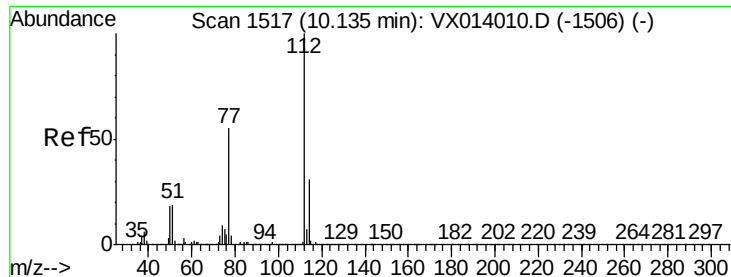
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#64
Tetrachloroethene
Concen: 18.919 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	129.6	104.0	156.0
129	92.5	72.2	108.4
131	88.0	69.6	104.4





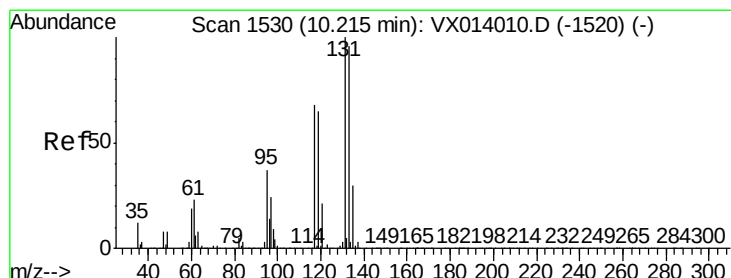
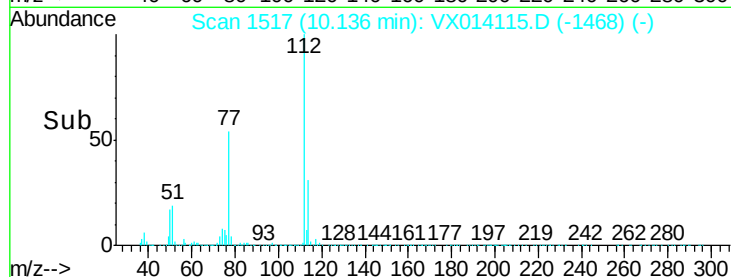
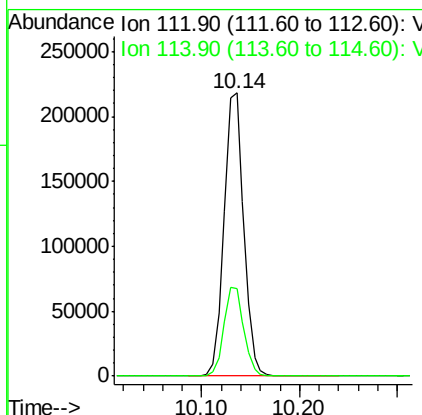
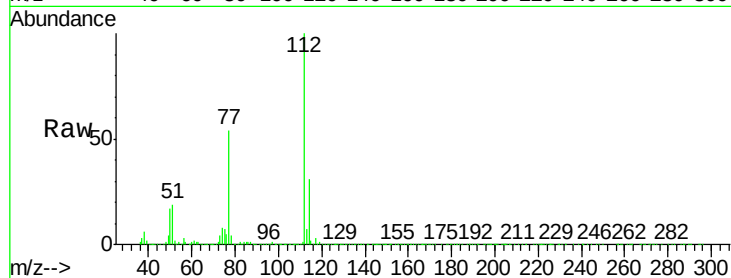
#65
Chlorobenzene
Concen: 19.586 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.9	37.3

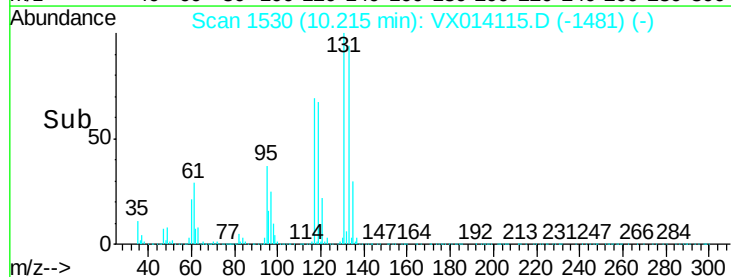
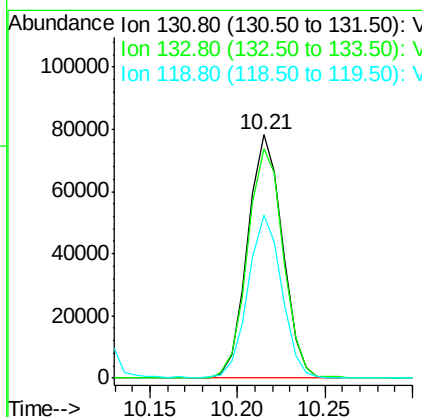
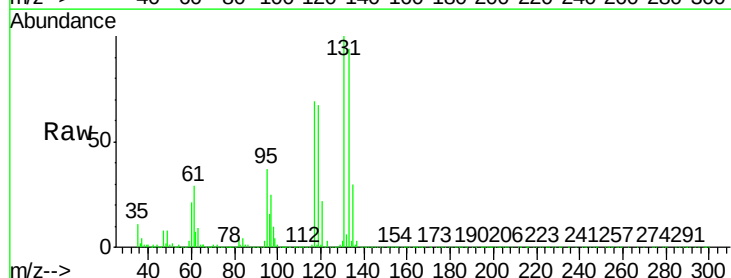
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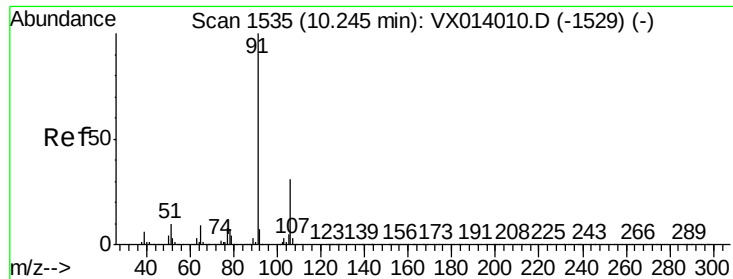
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.497 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.0	144.0
119	64.6	33.4	100.2





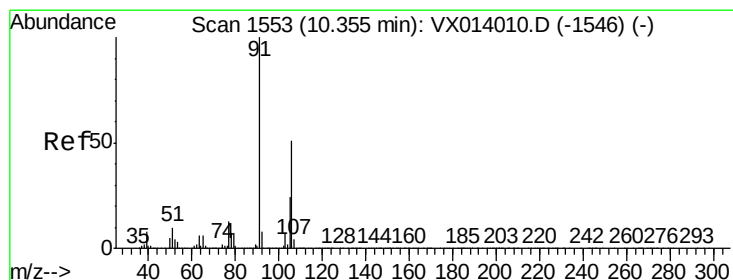
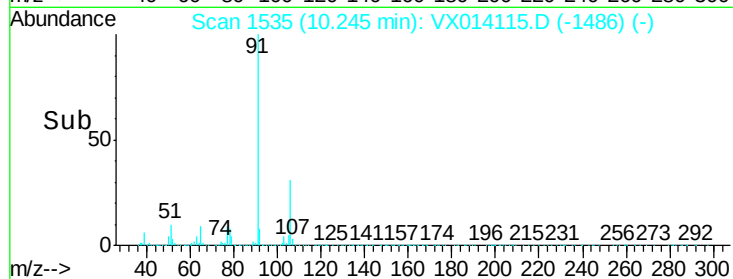
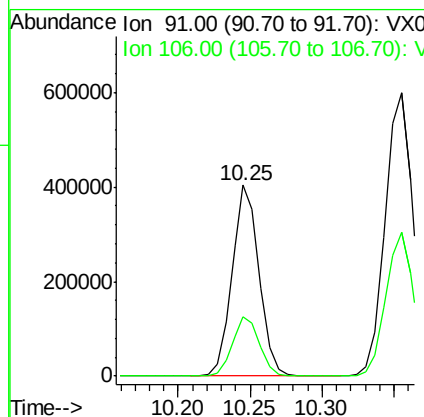
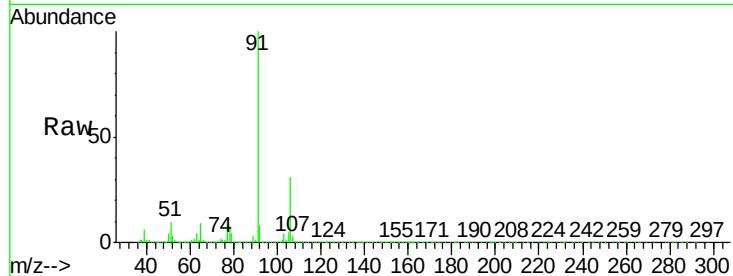
#67
Ethyl Benzene
Concen: 19.744 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion: 91 Resp: 528722
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

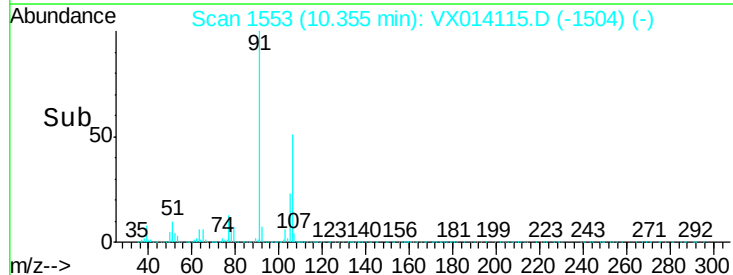
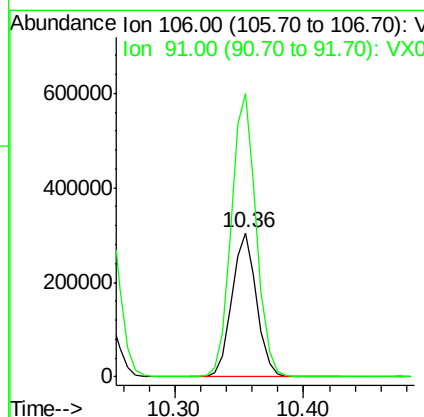
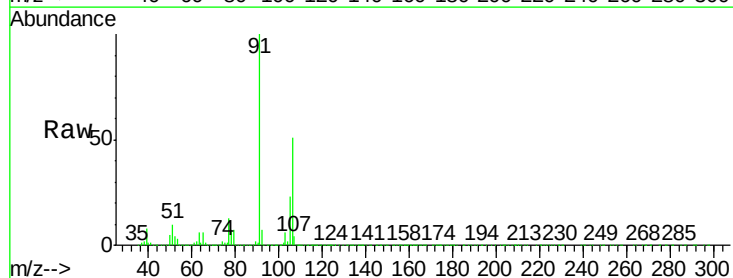
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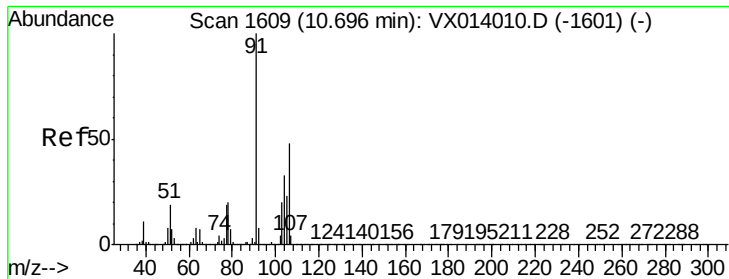
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#68
m/p-Xylenes
Concen: 39.473 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion: 106 Resp: 406545
Ion Ratio Lower Upper
106 100
91 198.8 158.6 238.0





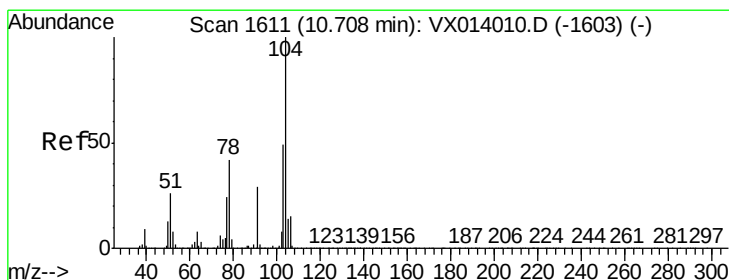
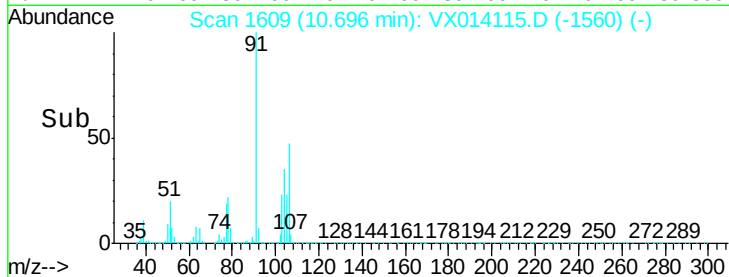
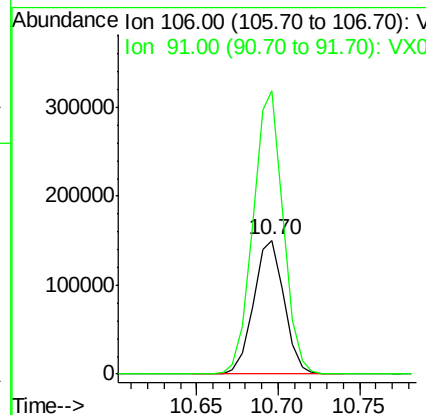
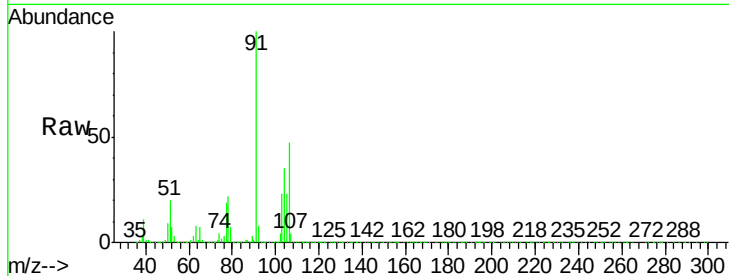
#69
o-Xylene
Concen: 19.379 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	195748		
91	208.9	104.2	312.6	

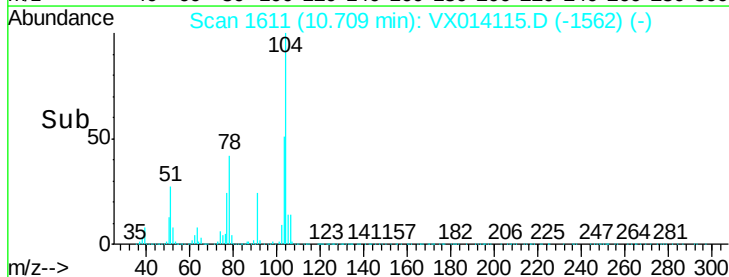
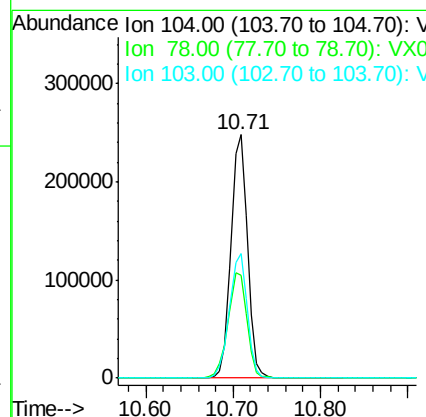
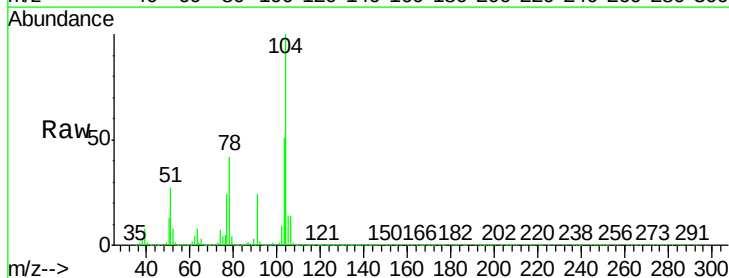
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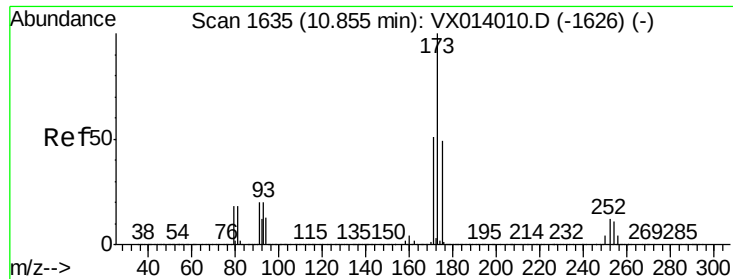
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#70
Styrene
Concen: 19.098 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	326201		
78	49.3	38.5	57.7	
103	55.1	42.9	64.3	





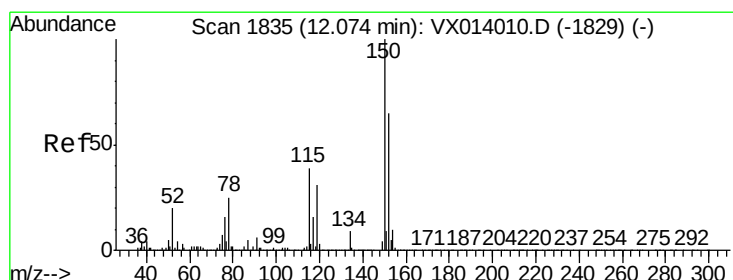
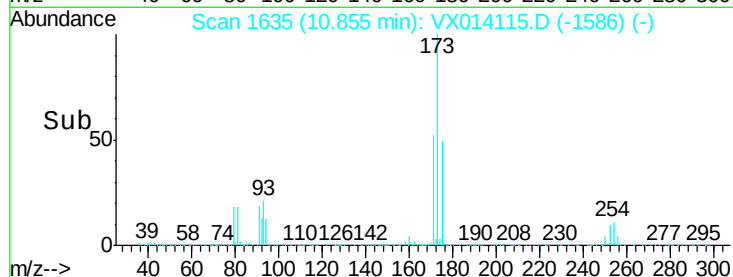
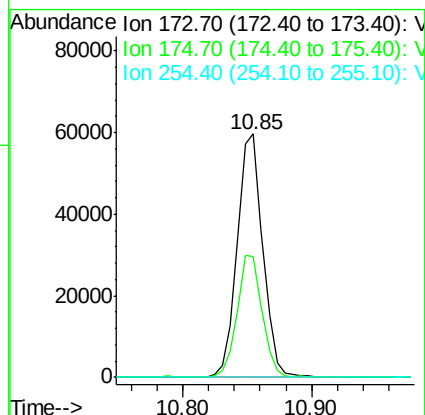
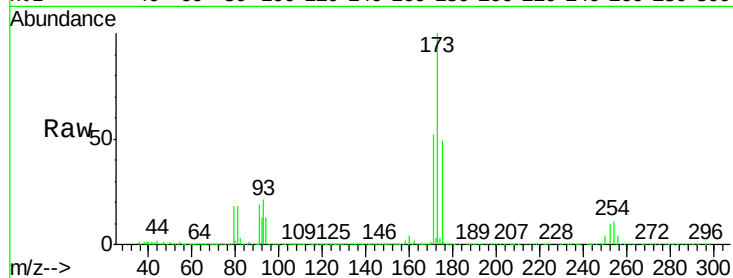
#71
Bromoform
Concen: 18.472 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.4
254	0.1	0.2	0.2

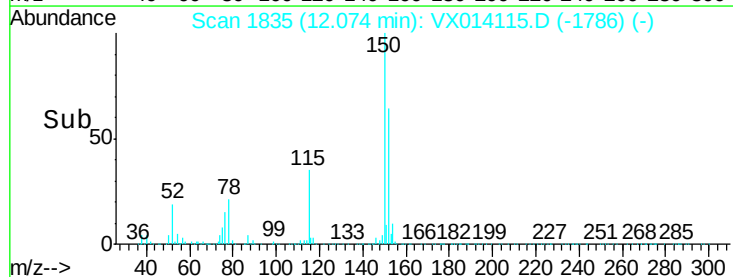
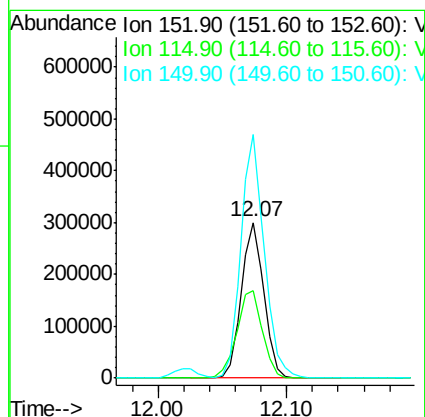
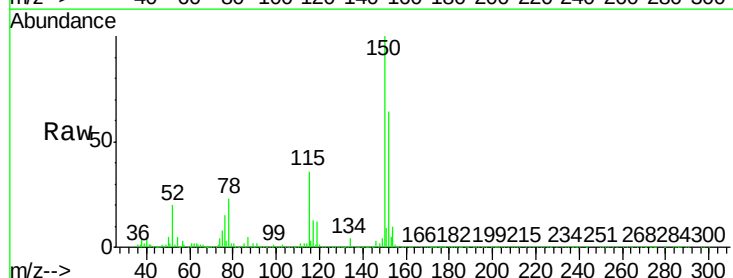
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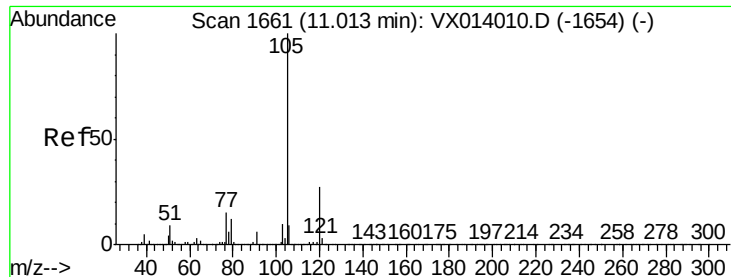
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	38.3	114.9
150	162.8	0.0	345.4





#73

Isopropylbenzene

Concen: 20.448 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 105 Resp: 519936

Ion Ratio Lower Upper

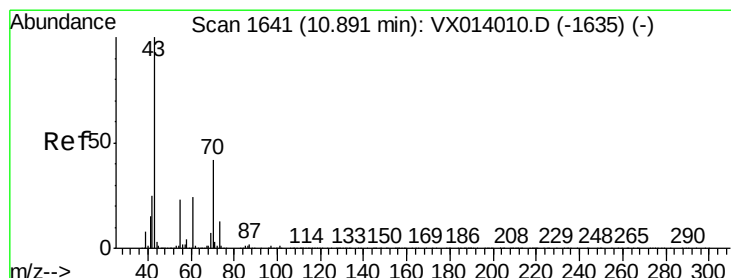
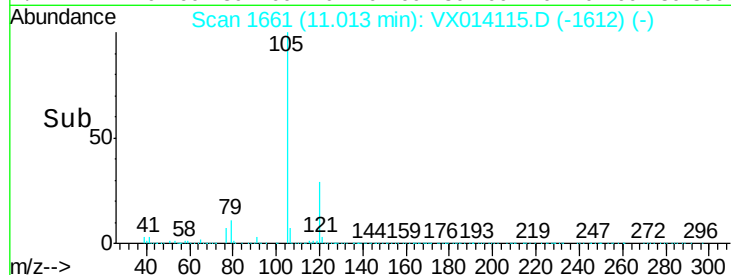
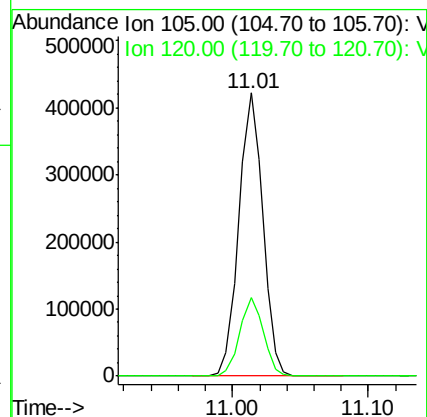
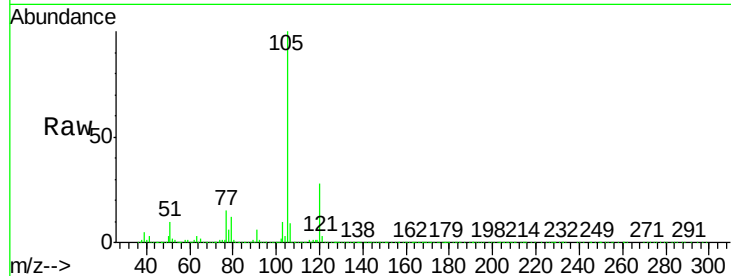
105 100

120 27.3 13.5 40.4

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#74

N-ethyl acetate

Concen: 19.036 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion: 43 Resp: 226881

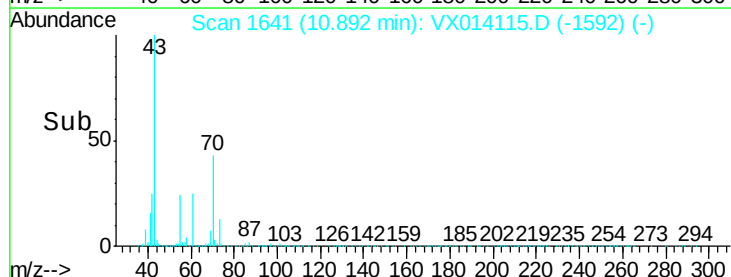
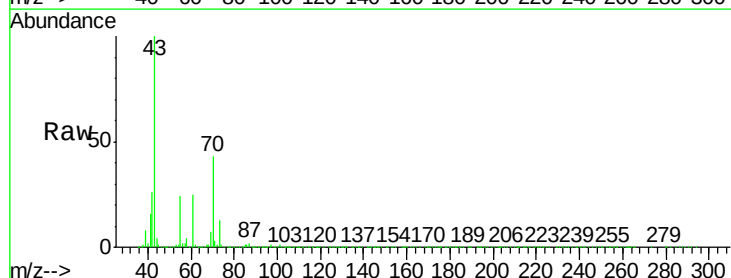
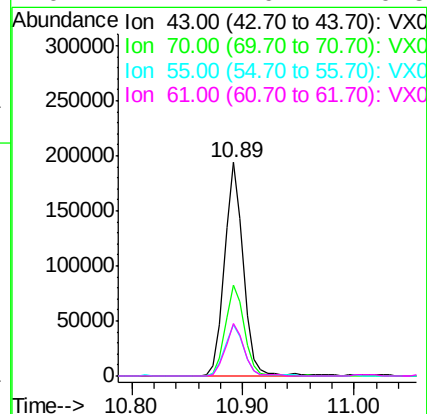
Ion Ratio Lower Upper

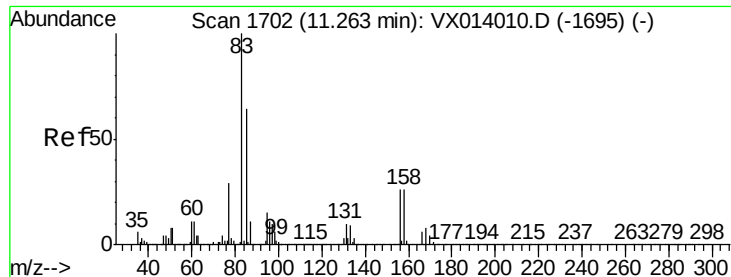
43 100

70 42.9 34.4 51.6

55 24.6 19.1 28.7

61 24.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.763 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

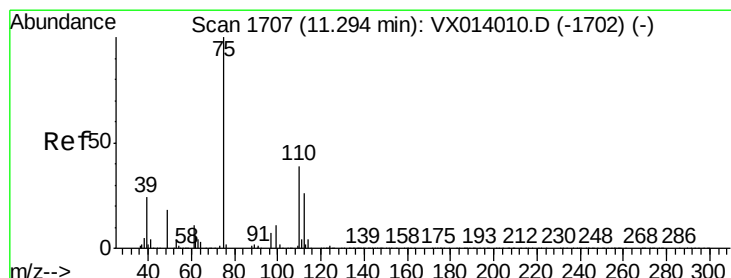
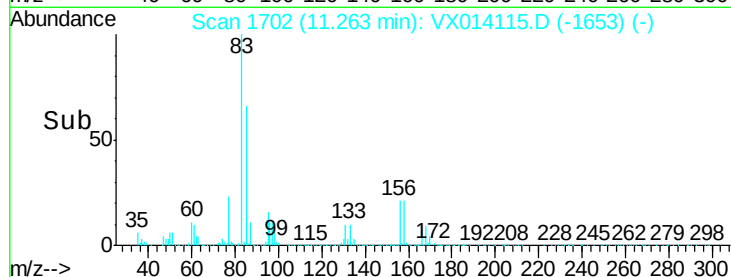
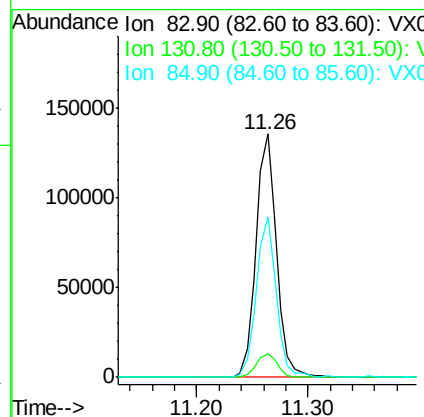
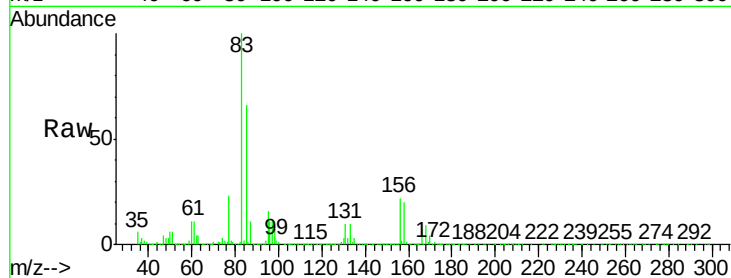
ClientSampleId :

VX1219WBS01

Tot Ion:	83	Resp:	174214
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	63.9	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 21.045 ug/l m

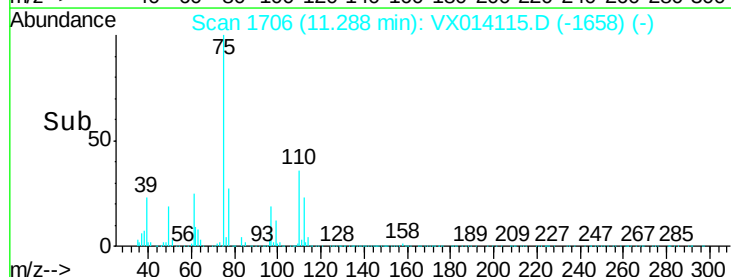
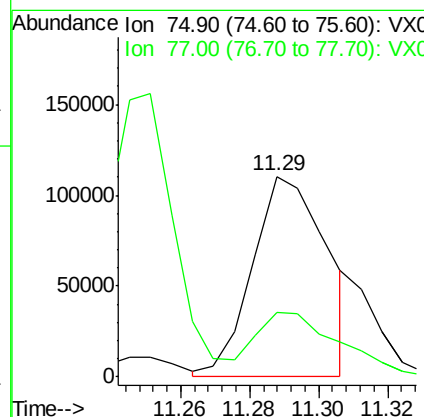
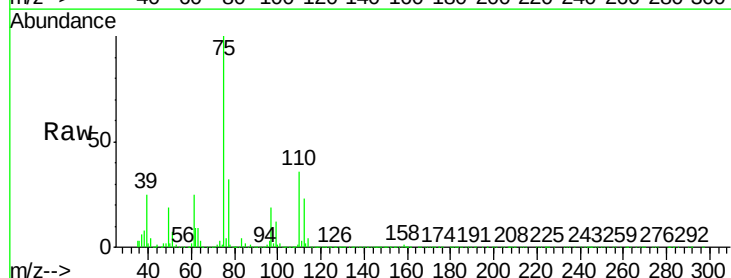
RT: 11.29 min Scan# 1706

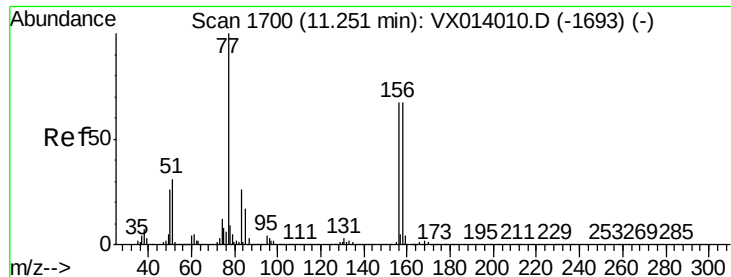
Delta R.T. -0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion:	75	Resp:	164995
Ion Ratio	Lower	Upper	
75	100		
77	35.7	19.3	57.8





#77

Bromobenzene

Concen: 19.498 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

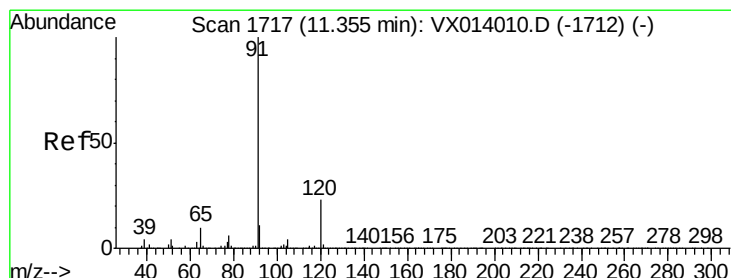
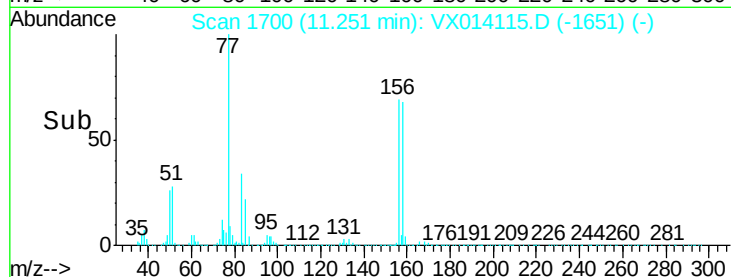
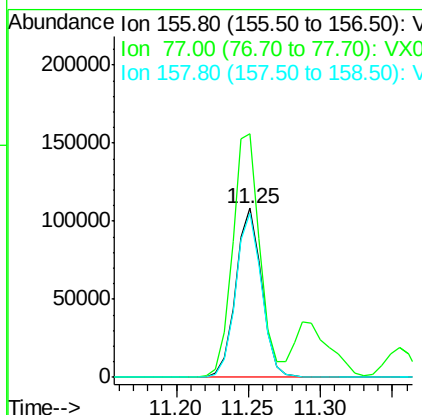
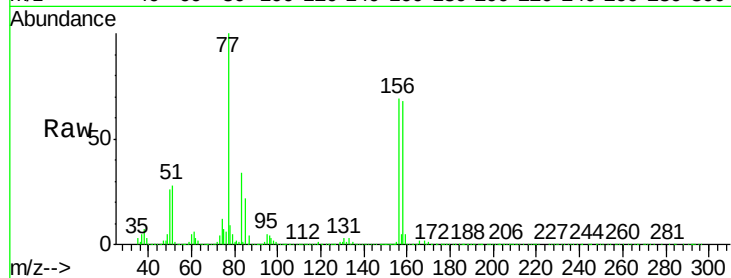
ClientSampleId :

VX1219WBS01

Tot Ion:	156	Resp:	136406
Ion Ratio	Lower	Upper	
156	100		
77	152.6	76.5	229.5
158	96.7	49.3	147.9

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#78

n-propylbenzene

Concen: 20.680 ug/l

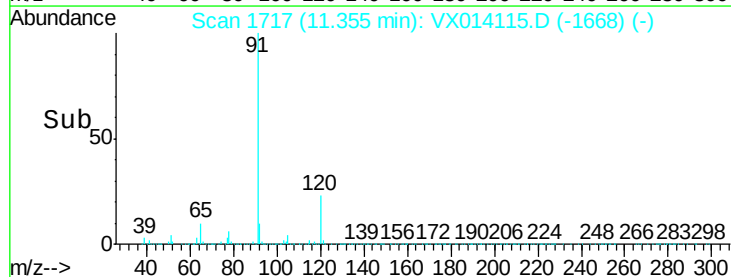
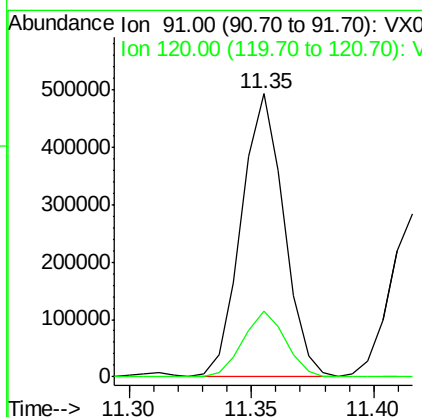
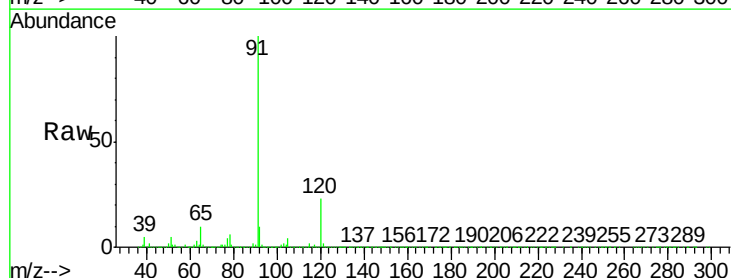
RT: 11.35 min Scan# 1717

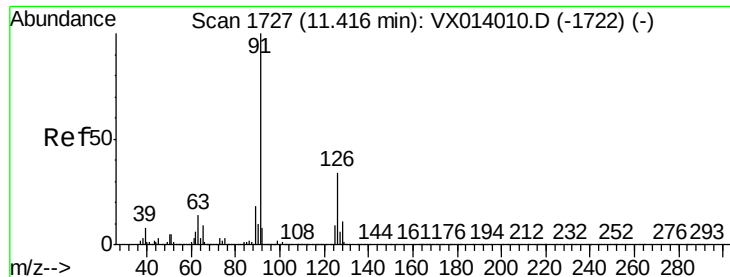
Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Tgt Ion:	91	Resp:	589814
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.919 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion: 91 Resp: 345342

Ion Ratio Lower Upper

91 100

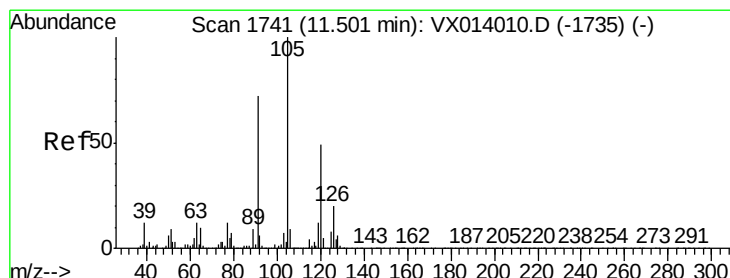
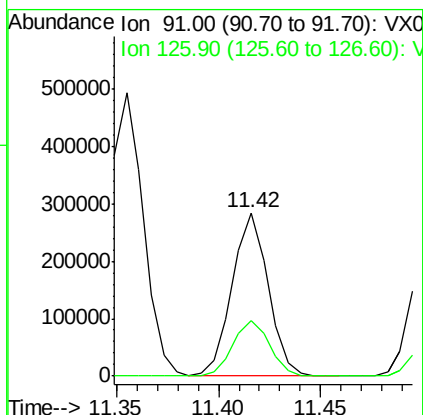
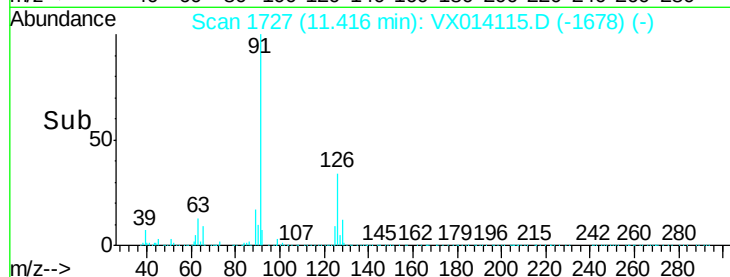
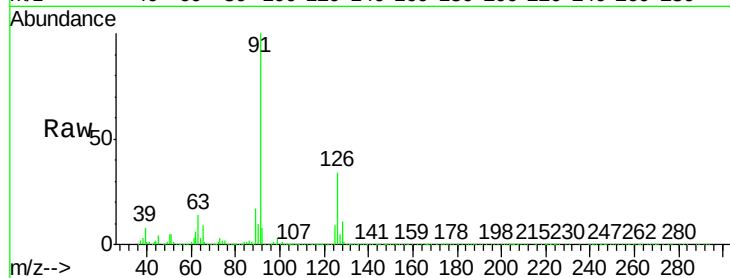
126 35.1 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.295 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014115.D

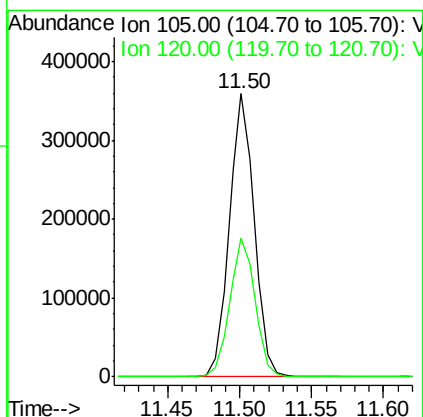
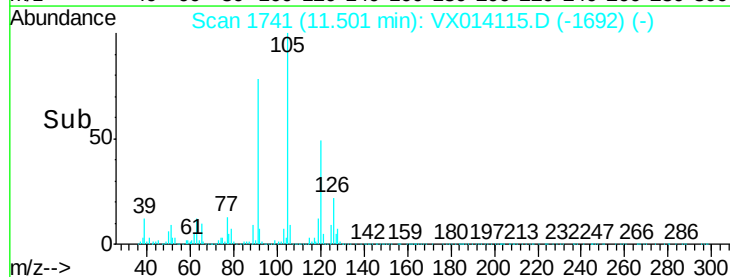
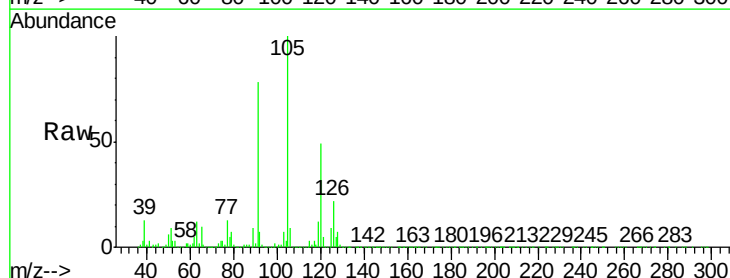
Acq: 19 Dec 2019 12:35

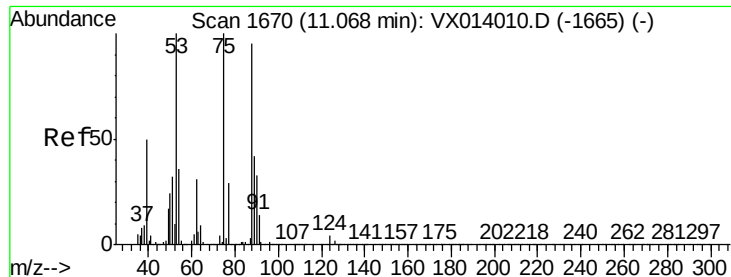
Tgt Ion: 105 Resp: 434299

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8





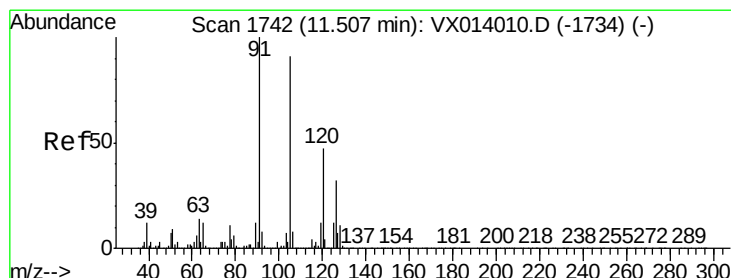
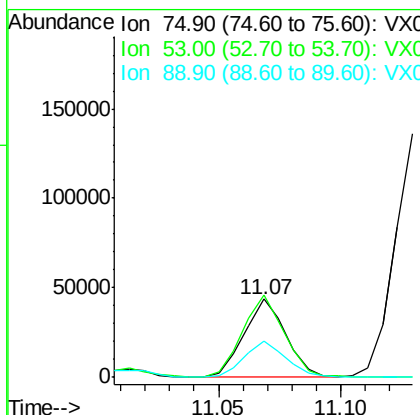
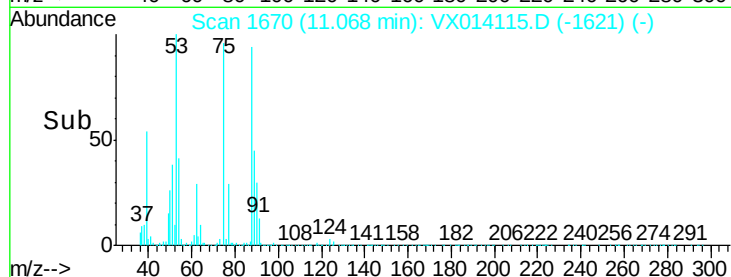
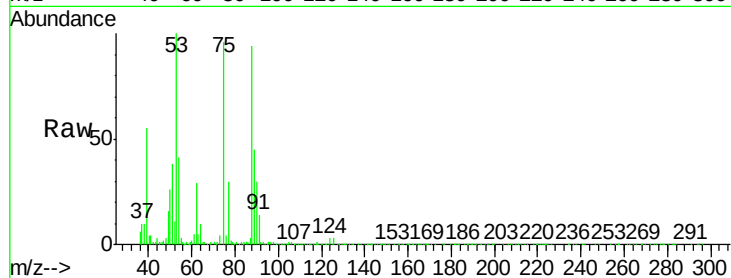
#81
trans-1,4-Dichloro-2-butene
Concen: 18.728 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	76.7	115.1
89	45.2	34.6	51.8

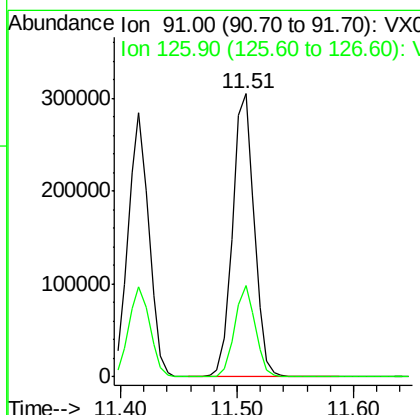
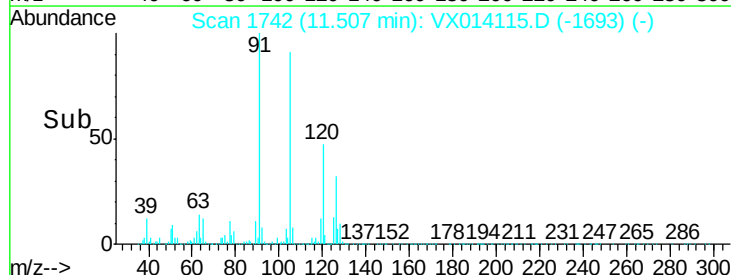
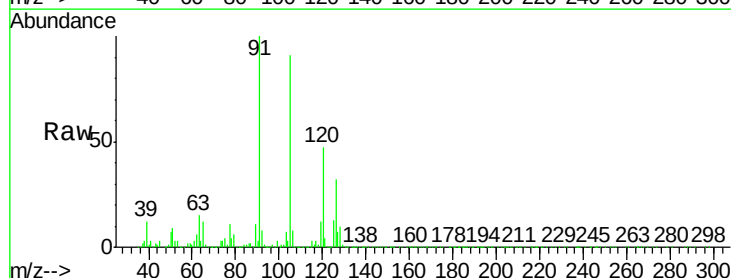
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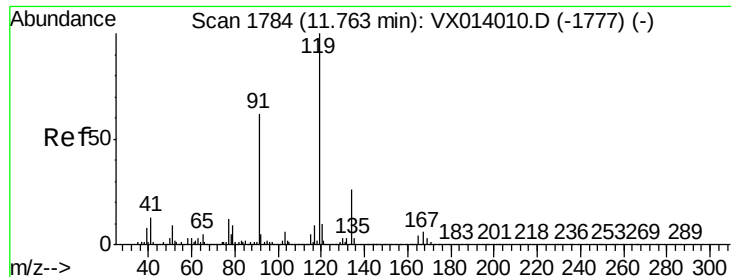
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#82
4-Chlorotoluene
Concen: 19.629 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.8





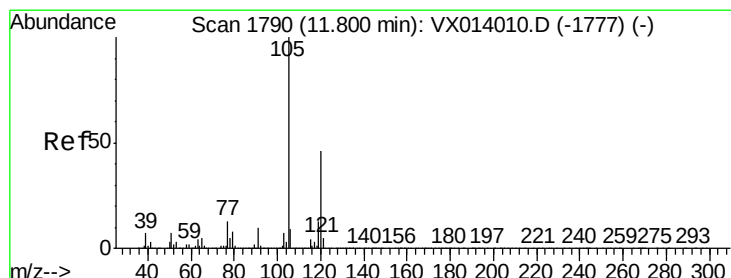
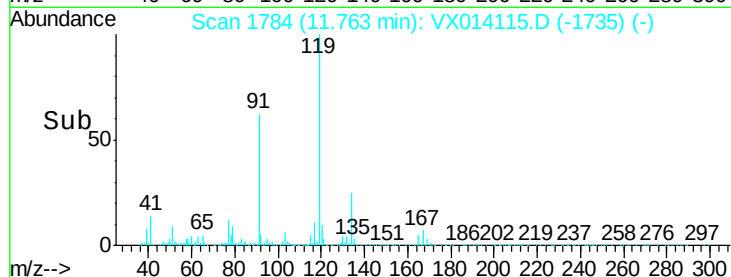
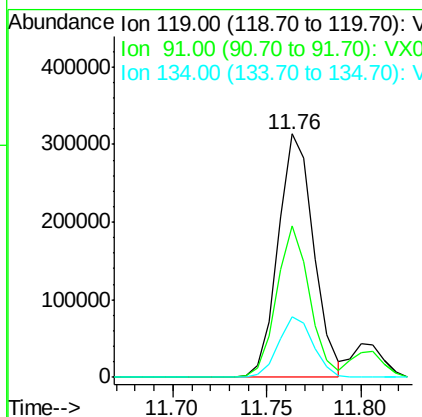
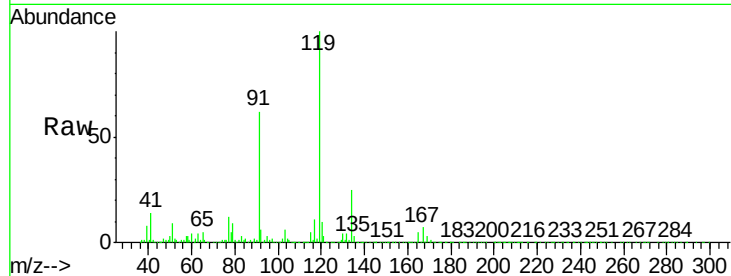
#83
tert-Butylbenzene
Concen: 19.651 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	28.5	85.6
134	24.5	12.2	36.6

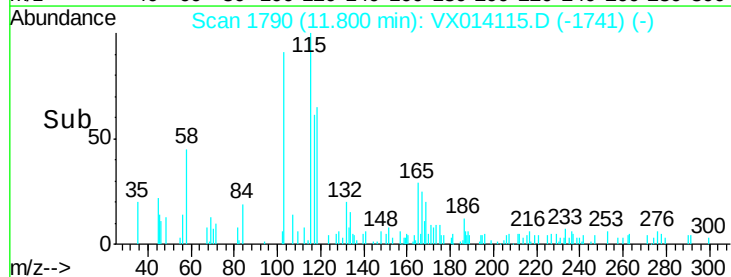
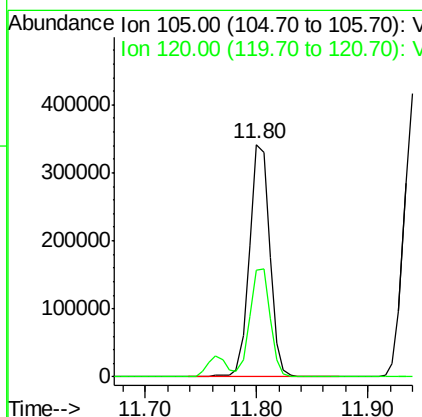
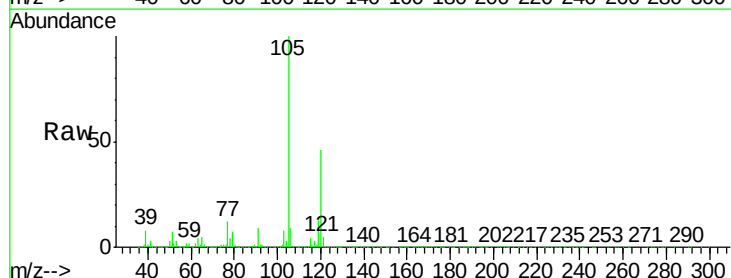
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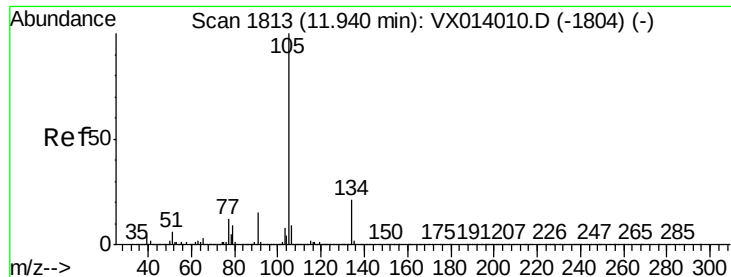
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#84
1,2,4-Trimethylbenzene
Concen: 20.219 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.528 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

VX1219WBS01

Tot Ion:105 Resp: 504680

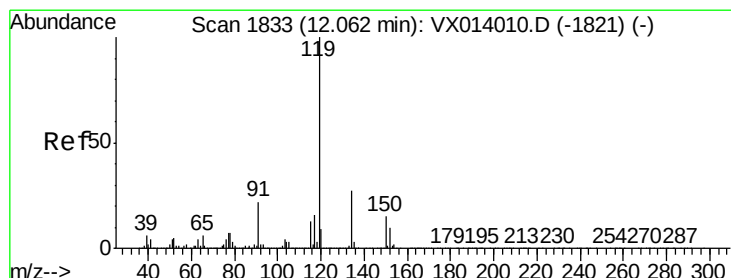
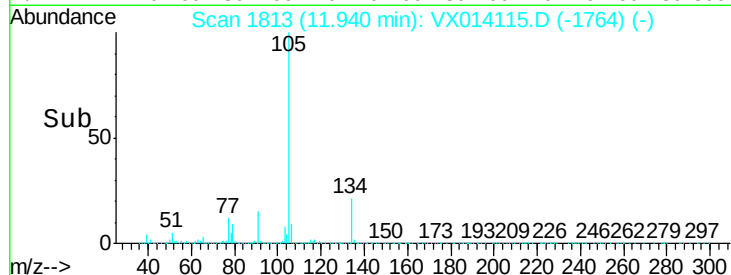
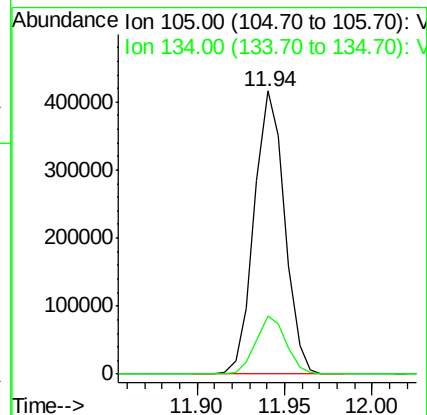
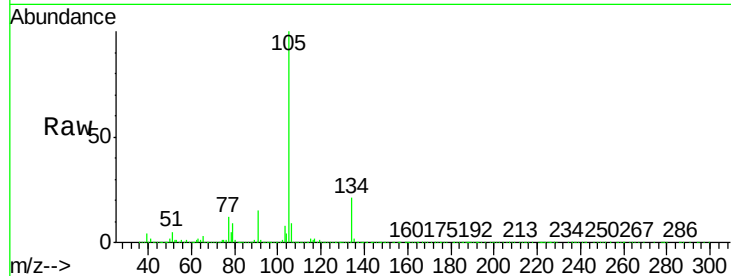
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.400 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014115.D

Acq: 19 Dec 2019 12:35

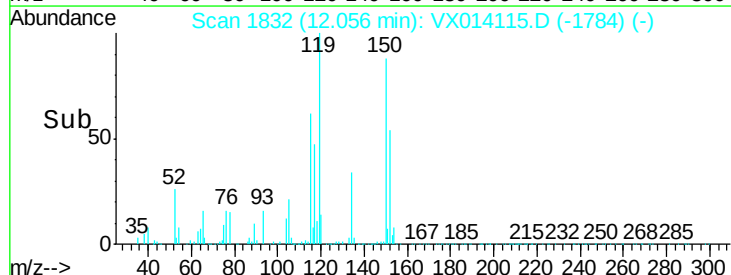
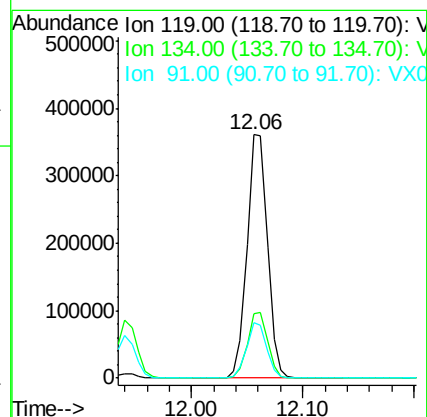
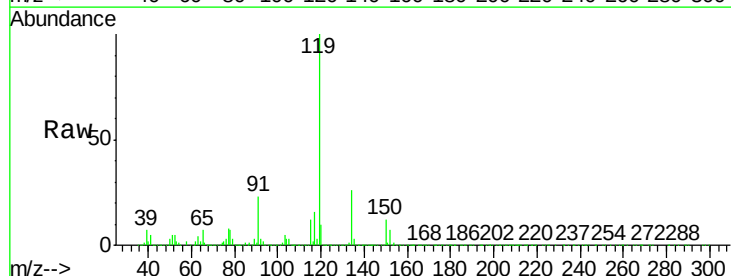
Tgt Ion:119 Resp: 458773

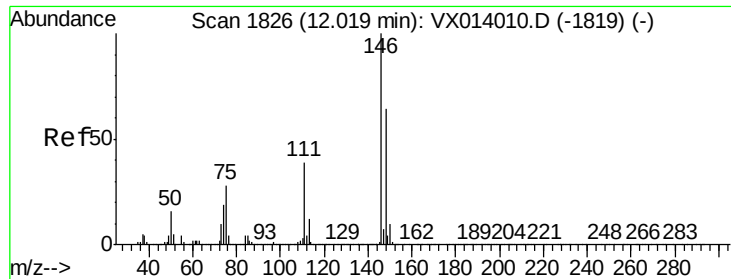
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.3 11.4 34.1





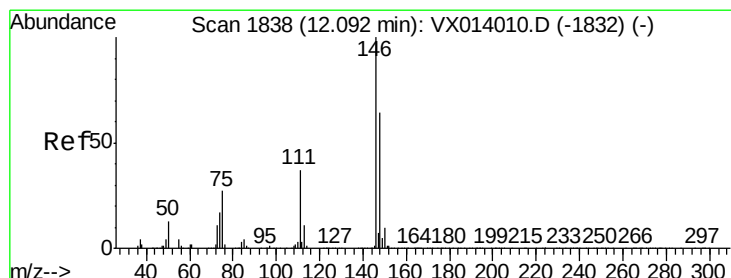
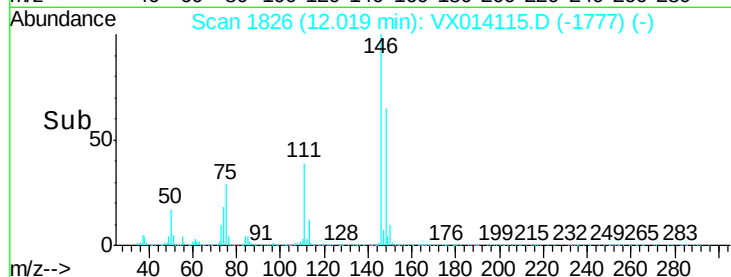
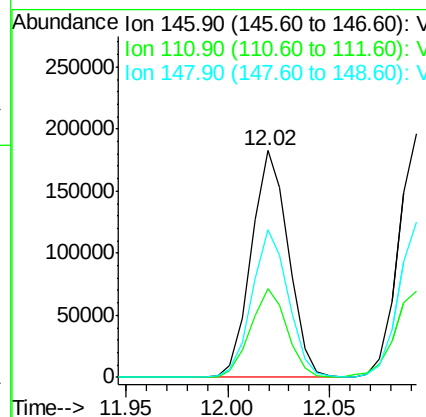
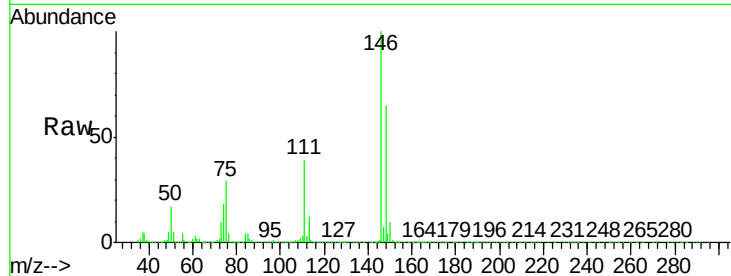
#87
 1,3-Dichlorobenzene
 Concen: 18.817 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.0	32.3	96.9

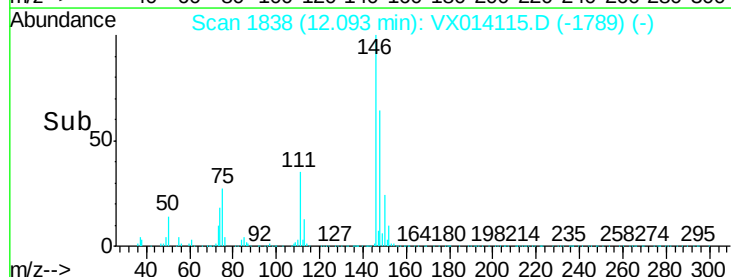
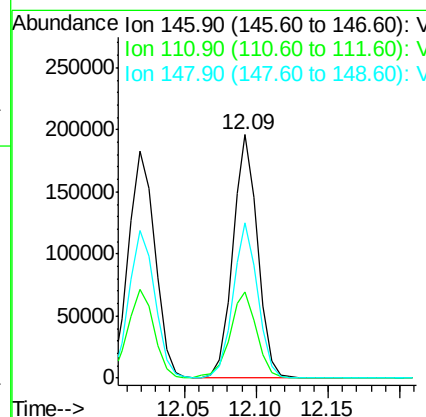
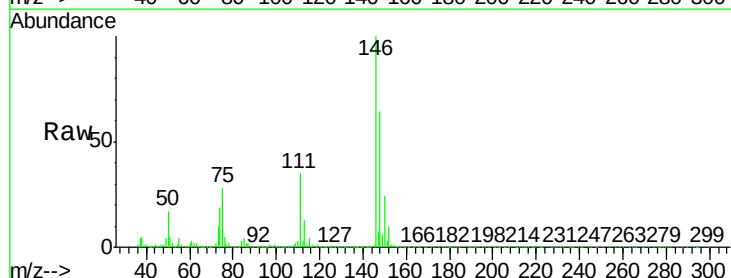
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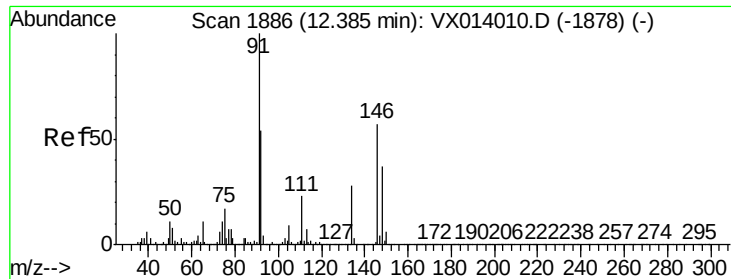
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#88
 1,4-Dichlorobenzene
 Concen: 18.868 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.7	56.1
148	64.4	31.9	95.9





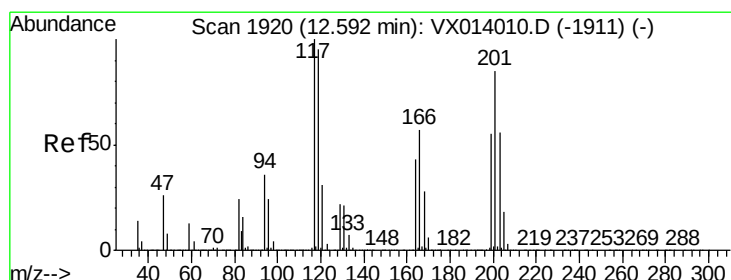
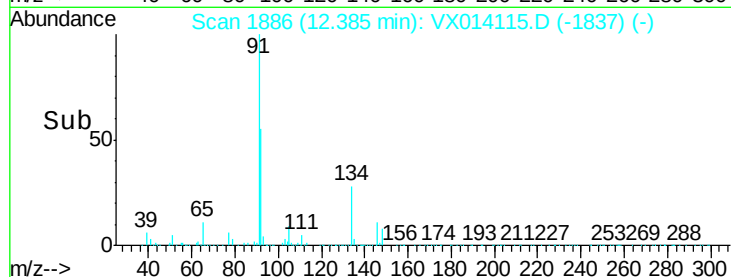
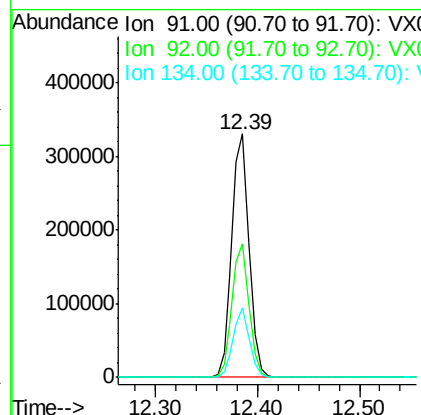
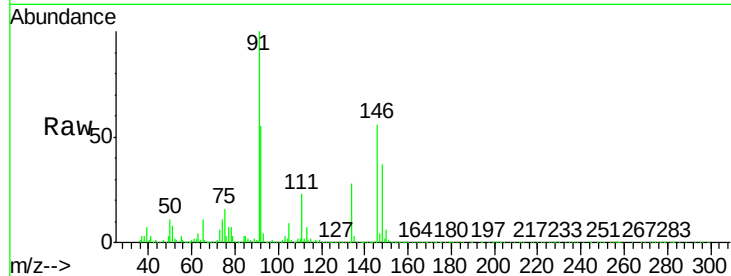
#89
n-Butylbenzene
Concen: 20.133 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	27.2	81.6	
134	27.0	13.4	40.1	

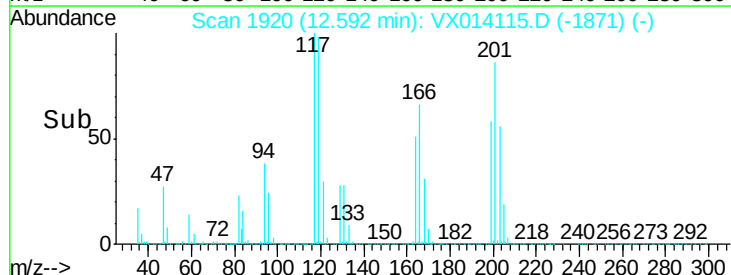
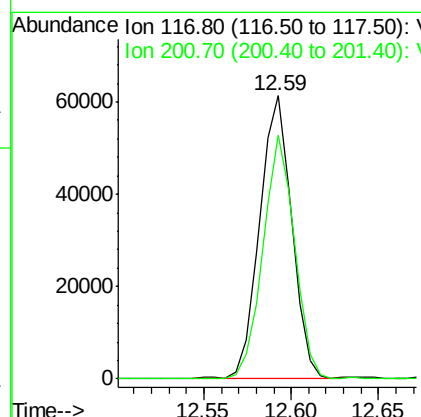
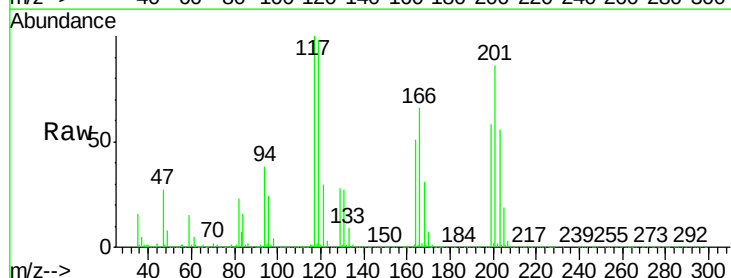
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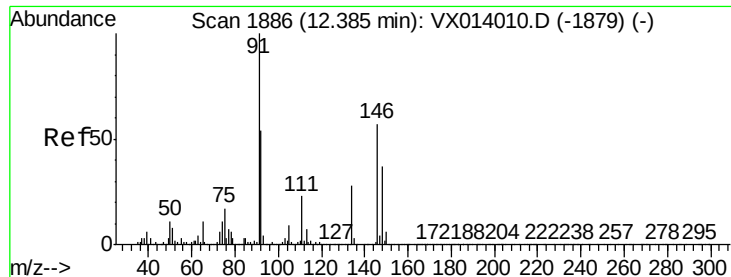
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#90
Hexachloroethane
Concen: 19.303 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.2	43.1	129.3	





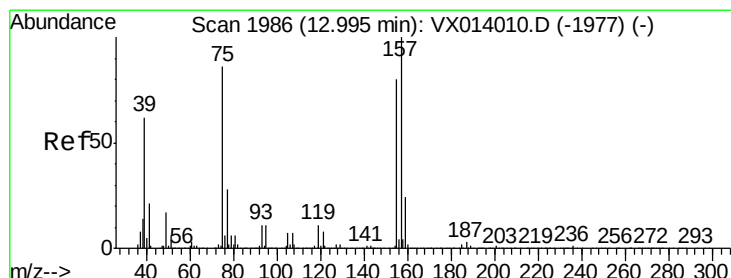
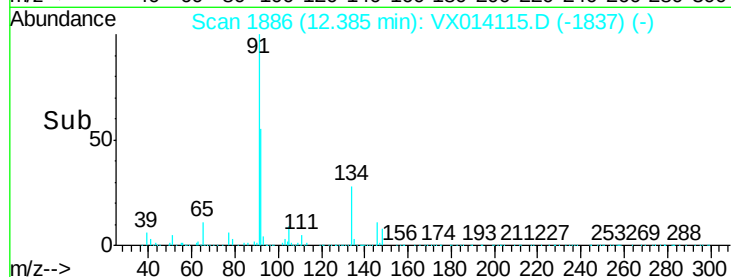
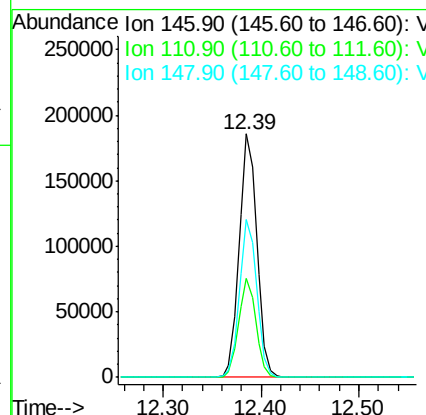
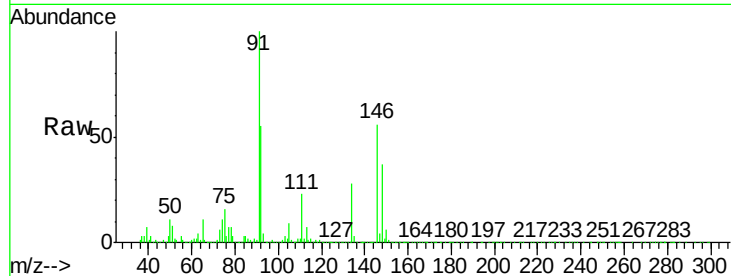
#91
 1,2-Dichlorobenzene
 Concen: 18.952 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	233915		
111	39.4	19.7	59.1	
148	63.6	32.1	96.5	

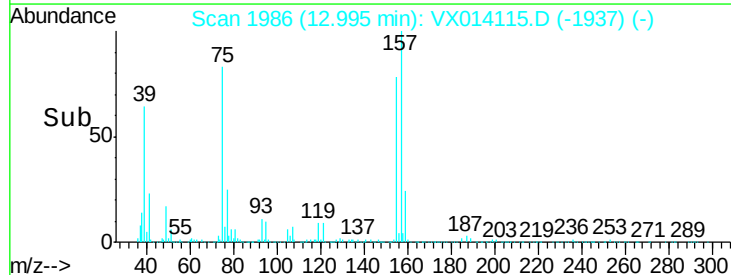
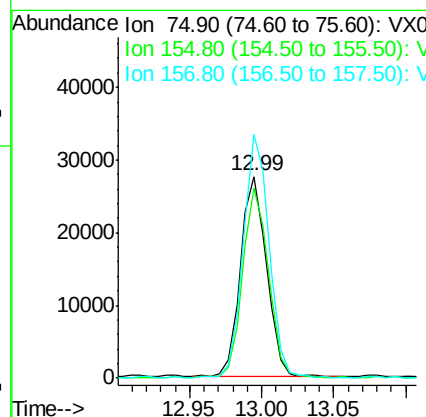
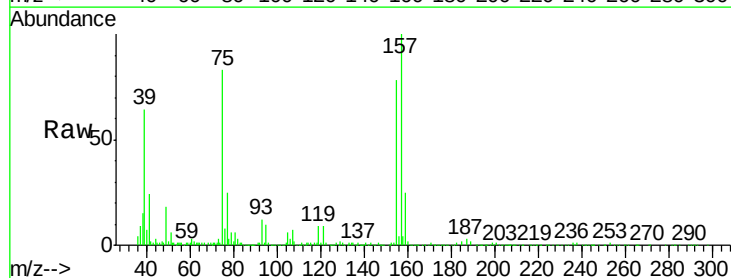
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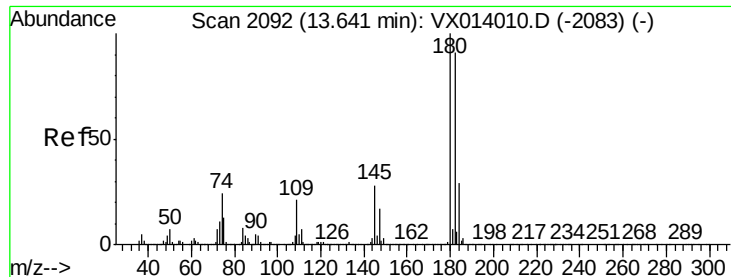
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.961 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35037		
155	95.0	46.9	140.6	
157	118.5	60.8	182.4	





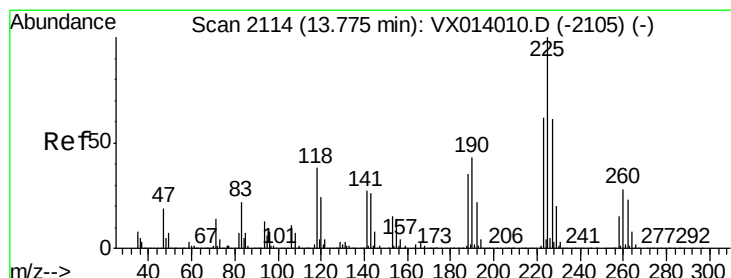
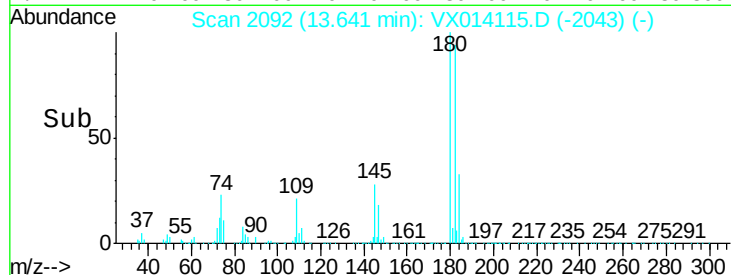
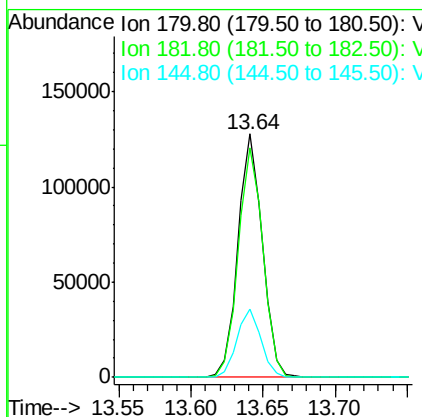
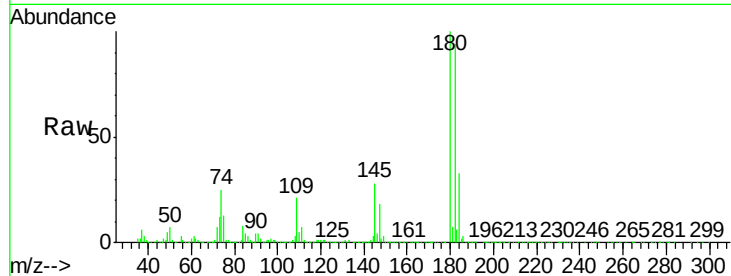
#93
 1,2,4-Trichlorobenzene
 Concen: 18.758 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150483		
182	95.6	46.6	139.8	
145	28.1	14.2	42.6	

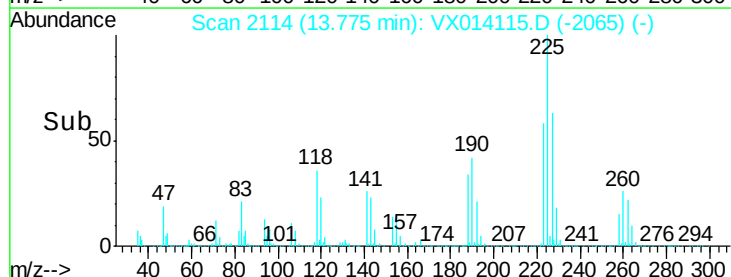
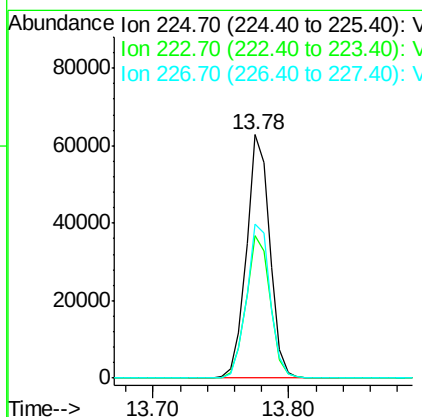
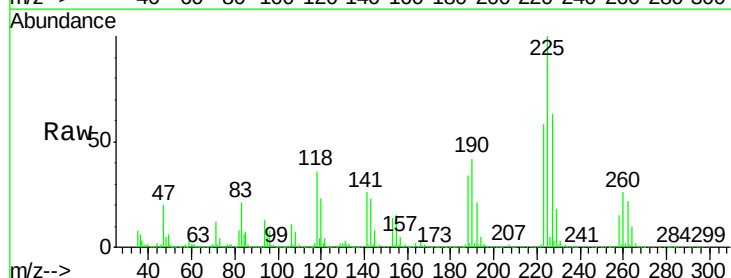
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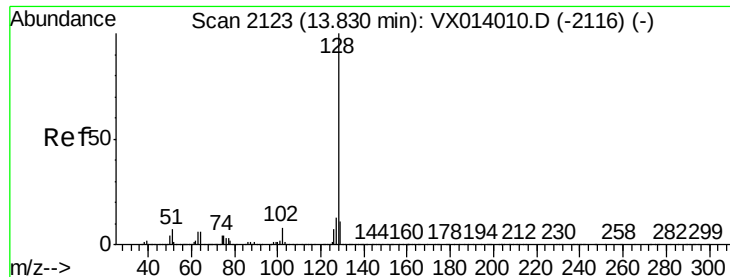
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#94
 Hexachlorobutadiene
 Concen: 19.548 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014115.D
 Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75368		
223	60.5	30.9	92.5	
227	64.5	30.9	92.7	





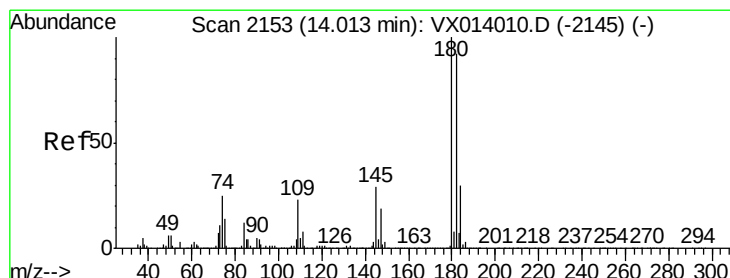
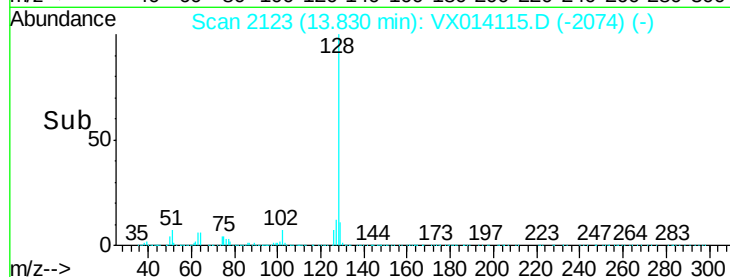
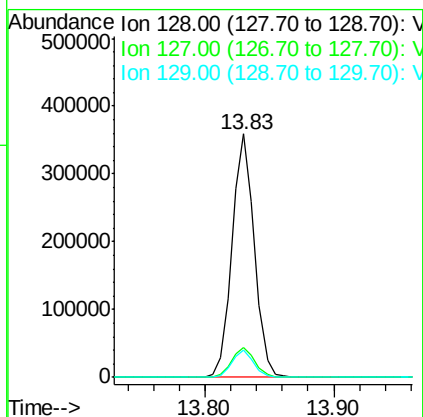
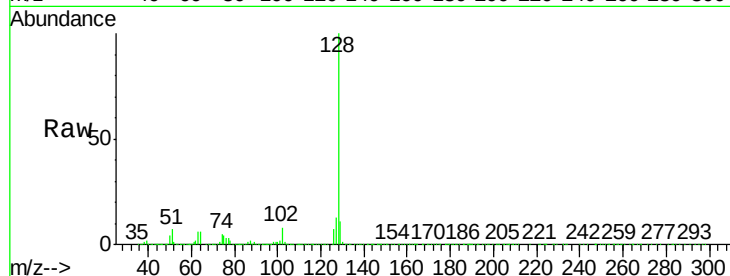
#95
Naphthalene
Concen: 18.384 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
VX1219WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.2	8.7	13.1

Manual Integrations
APPROVED

apatel
12/20/2019 10:12:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.987 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014115.D
Acq: 19 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.8	140.3
145	30.9	14.8	44.4

