

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122319\
 Data File : VX014191.D
 Acq On : 23 Dec 2019 10:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/24/2019 8:53:00 AM

Quant Time: Dec 24 01:38:26 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	626482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	941158	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	843325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	446849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	368585	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
35) Dibromofluoromethane	5.48	113	301388	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	8.71	98	1190579	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	11.13	95	433230	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	275661	49.184	ug/l	99
3) Chloromethane	1.32	50	360585	47.940	ug/l	99
4) Vinyl Chloride	1.40	62	394611	49.720	ug/l	99
5) Bromomethane	1.63	94	263232	46.730	ug/l	99
6) Chloroethane	1.72	64	252006	51.447	ug/l	95
7) Trichlorofluoromethane	1.92	101	517661	52.689	ug/l	100
8) Diethyl Ether	2.18	74	232975	50.526	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	317517	53.613	ug/l	100
10) Methyl Iodide	2.50	142	353244	45.479	ug/l	99
11) Tert butyl alcohol	3.03	59	398472	259.724	ug/l	100
12) 1,1-Dichloroethene	2.36	96	310761	51.567	ug/l	98
13) Acrolein	2.28	56	253876	289.076	ug/l	99
14) Allyl chloride	2.72	41	583378	54.218	ug/l	100
15) Acrylonitrile	3.13	53	965478	269.614	ug/l	100
16) Acetone	2.43	43	1138344	246.950	ug/l	99
17) Carbon Disulfide	2.56	76	848335	50.696	ug/l	99
18) Methyl Acetate	2.76	43	489231	53.561	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	1066948	53.879	ug/l	98
20) Methylene Chloride	2.84	84	358833	49.433	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	340783	51.329	ug/l	99
22) Diisopropyl ether	3.84	45	1151509	53.704	ug/l	94
23) Vinyl Acetate	3.80	43	5024495	287.152	ug/l	99
24) 1,1-Dichloroethane	3.69	63	617004	51.722	ug/l	99
25) 2-Butanone	4.65	43	1500634	264.051	ug/l	100
26) 2,2-Dichloropropane	4.57	77	520456	56.192	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	393470	52.403	ug/l	100
28) Bromochloromethane	5.00	49	223674	48.765	ug/l	97
29) Tetrahydrofuran	5.11	42	856849	269.558	ug/l	100
30) Chloroform	5.20	83	604335	53.440	ug/l	98
31) Cyclohexane	5.57	56	570813	53.800	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	516439	53.583	ug/l	99
36) 1,1-Dichloropropene	5.79	75	466338	54.001	ug/l	100
37) Ethyl Acetate	4.81	43	534719	56.072	ug/l	100
38) Carbon Tetrachloride	5.77	117	445294	56.603	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	596769	55.967	ug/l	99
40) Benzene	6.13	78	1402057	52.767	ug/l	100
41) Methacrylonitrile	5.03	41	290829	54.965	ug/l	99
42) 1,2-Dichloroethane	6.18	62	478921	53.173	ug/l	99
43) Isopropyl Acetate	6.43	43	884902	56.071	ug/l	100
44) Trichloroethene	7.20	130	390539	53.213	ug/l	97
45) 1,2-Dichloropropane	7.50	63	369432	54.246	ug/l	98
46) Dibromomethane	7.65	93	238131	52.887	ug/l	99
47) Bromodichloromethane	7.89	83	478023	56.370	ug/l	98
48) Methyl methacrylate	7.76	41	433754	56.128	ug/l	99
49) 1,4-Dioxane	7.73	88	175447	1115.604	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	2691687	271.576	ug/l	100
52) Toluene	8.78	92	894905	53.285	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	557130	59.916	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	608837	58.773	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	360311	53.529	ug/l	97
56) Ethyl methacrylate	9.17	69	592265	56.014	ug/l	99
57) 1,3-Dichloropropane	9.36	76	612626	54.095	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	952984	238.164	ug/l	99
59) 2-Hexanone	9.48	43	2176156	272.747	ug/l	99
60) Dibromochloromethane	9.57	129	395138	59.057	ug/l	100
61) 1,2-Dibromoethane	9.67	107	380839	55.298	ug/l	99
64) Tetrachloroethene	9.33	164	379630	50.872	ug/l	97
65) Chlorobenzene	10.14	112	971633	54.187	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	359507	56.152	ug/l	98
67) Ethyl Benzene	10.25	91	1721722	55.850	ug/l	99
68) m/p-Xylenes	10.35	106	1316659	111.047	ug/l	100
69) o-Xylene	10.70	106	634880	54.596	ug/l	99
70) Styrene	10.71	104	1105348	56.213	ug/l	99
71) Bromoform	10.85	173	307802	59.808	ug/l #	99
73) Isopropylbenzene	11.01	105	1693205	53.818	ug/l	99
74) N-amyl acetate	10.89	43	790997	53.637	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	557770	51.137	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	459999m	47.418	ug/l	
77) Bromobenzene	11.25	156	441983	51.060	ug/l	99
78) n-propylbenzene	11.35	91	1972146	55.884	ug/l	99
79) 2-Chlorotoluene	11.42	91	1131073	52.726	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	1439709	54.373	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	205616	59.824	ug/l	97
82) 4-Chlorotoluene	11.51	91	1338914	53.808	ug/l	100
83) tert-Butylbenzene	11.76	119	1409435	54.698	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1450867	54.716	ug/l	100
85) sec-Butylbenzene	11.94	105	1693826	55.682	ug/l	100
86) p-Isopropyltoluene	12.06	119	1573278	56.541	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	801923	52.859	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	809201	52.457	ug/l	99
89) n-Butylbenzene	12.39	91	1445476	60.881	ug/l	100
90) Hexachloroethane	12.59	117	285118	57.047	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	787321	51.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	123944	51.349	ug/l	97

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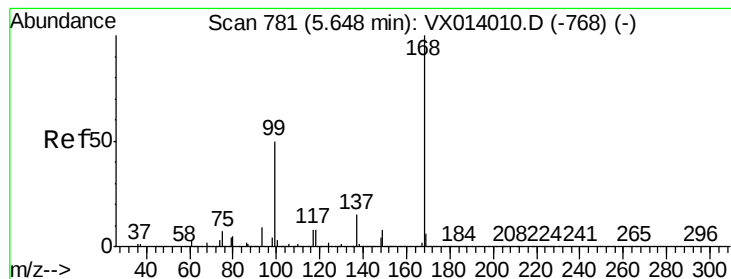
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	583809	58.815	ug/l	98
94) Hexachlorobutadiene	13.78	225	278534	58.387	ug/l	99
95) Naphthalene	13.83	128	1725632	59.171	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	566880	57.853	ug/l	99

(#) = 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: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 626482

Ion Ratio Lower Upper

168 100

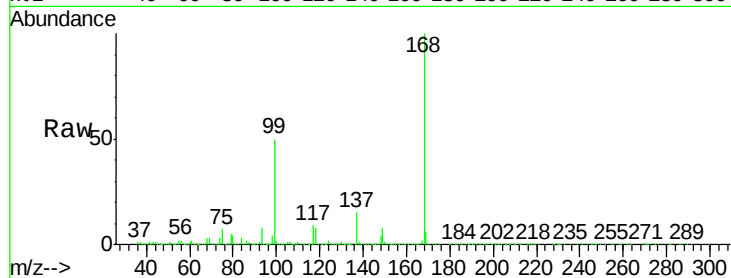
99 50.0 40.3 60.5

Manual Integrations

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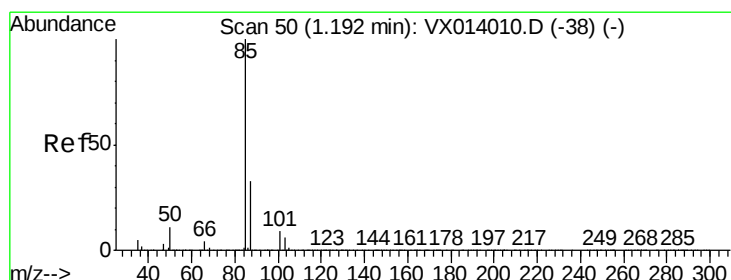
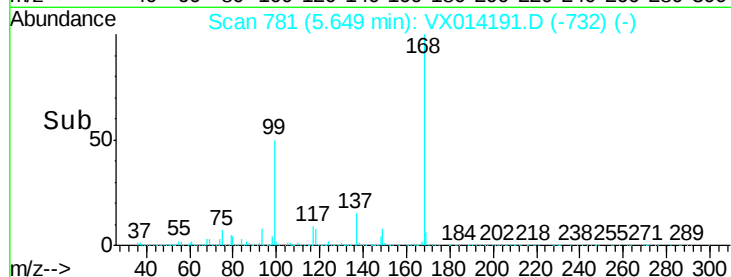
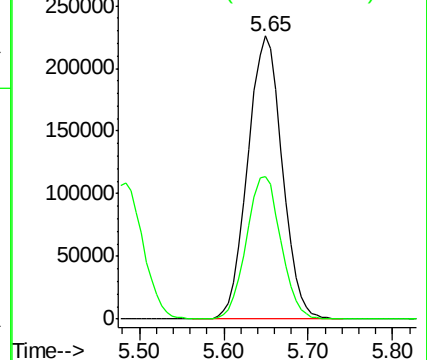
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.184 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014191.D

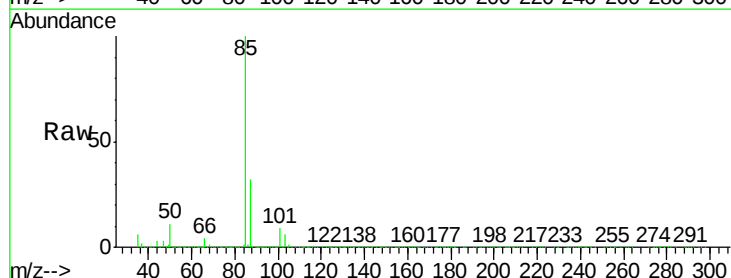
Acq: 23 Dec 2019 10:18

Tgt Ion: 85 Resp: 275661

Ion Ratio Lower Upper

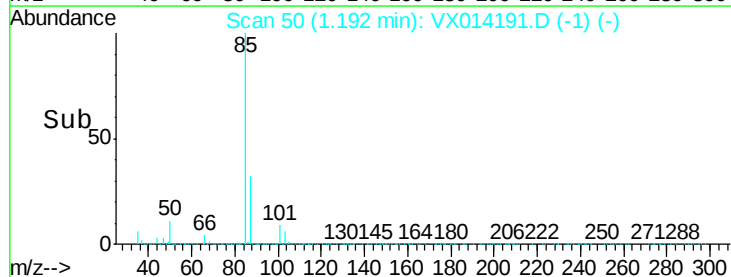
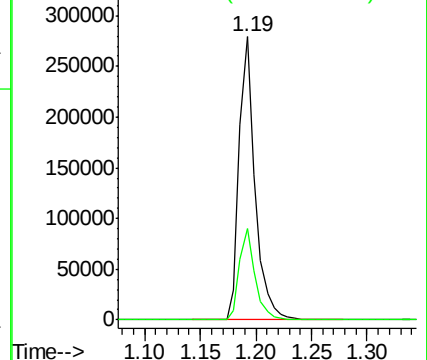
85 100

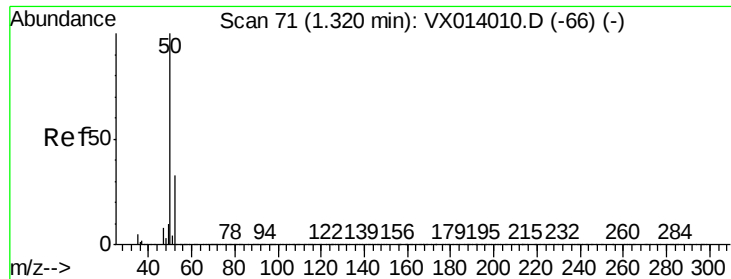
87 32.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.940 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 360585

Ion Ratio Lower Upper

50 100

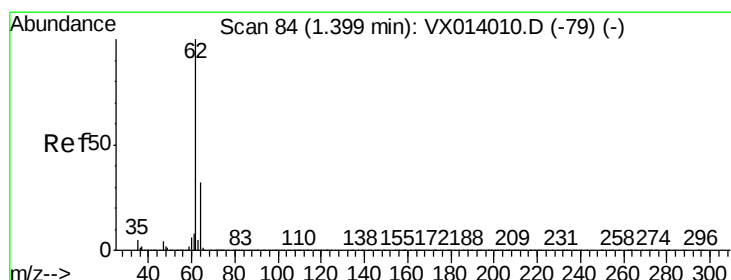
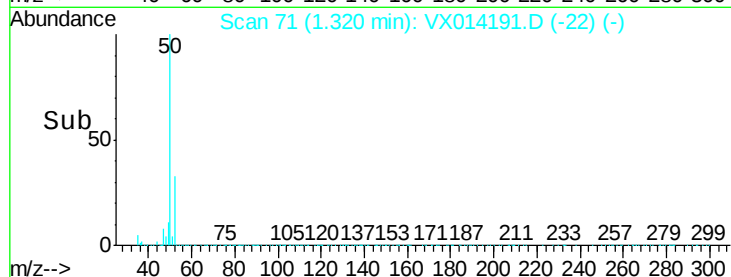
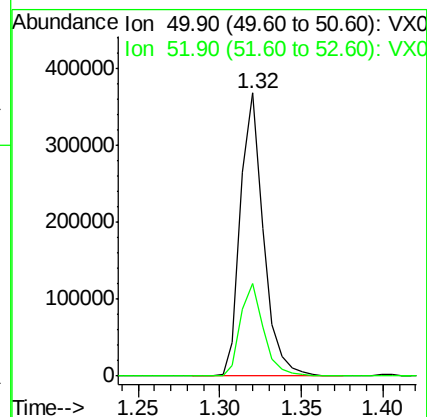
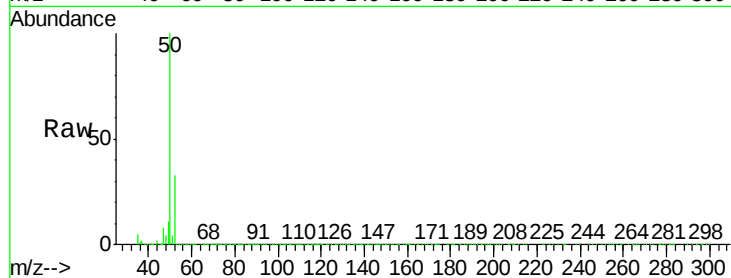
52 32.5 26.2 39.4

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#4

Vinyl Chloride

Concen: 49.720 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014191.D

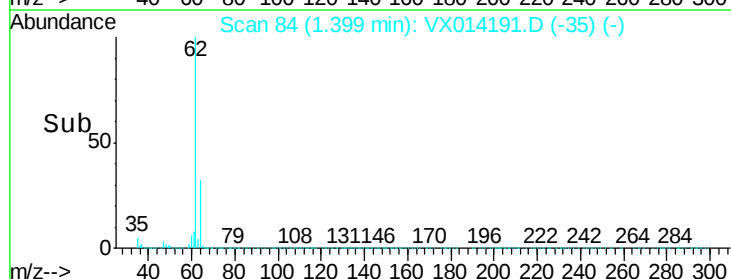
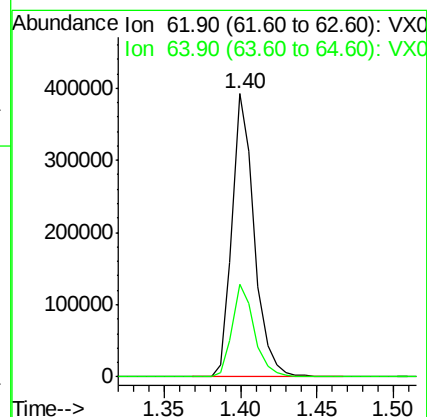
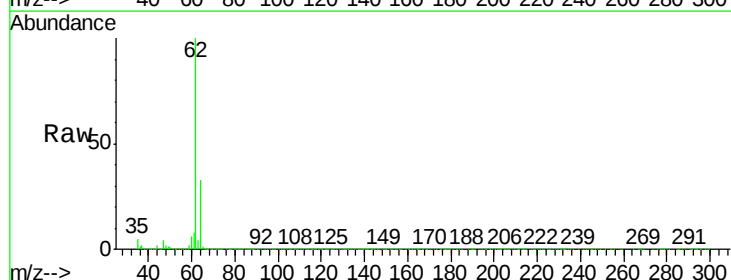
Acq: 23 Dec 2019 10:18

Tgt Ion: 62 Resp: 394611

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





#5

Bromomethane

Concen: 46.730 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 263232

Ion Ratio Lower Upper

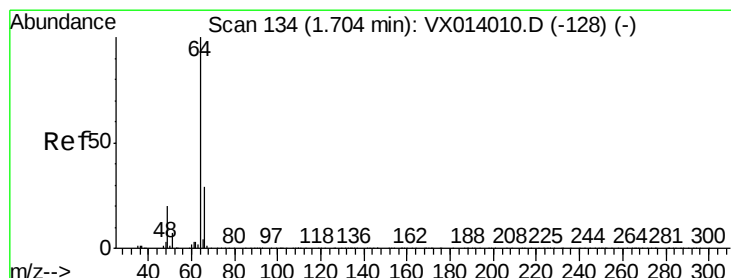
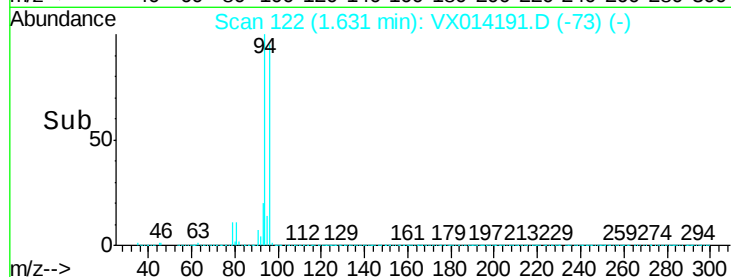
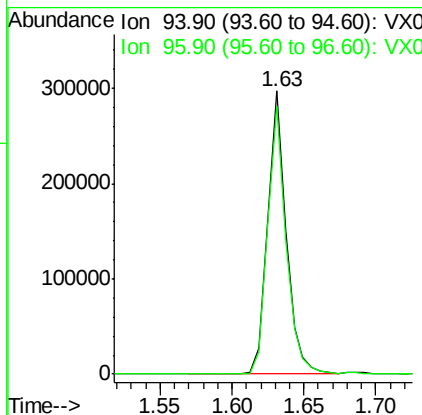
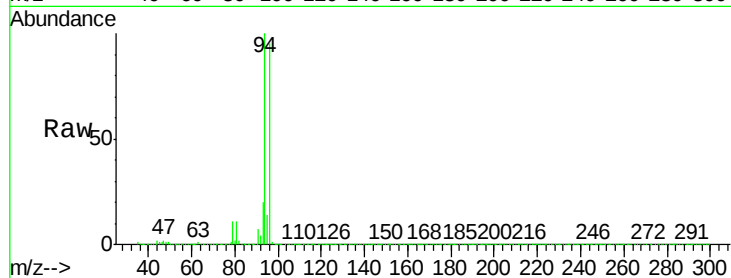
94 100

96 94.9 75.2 112.8

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#6

Chloroethane

Concen: 51.447 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX014191.D

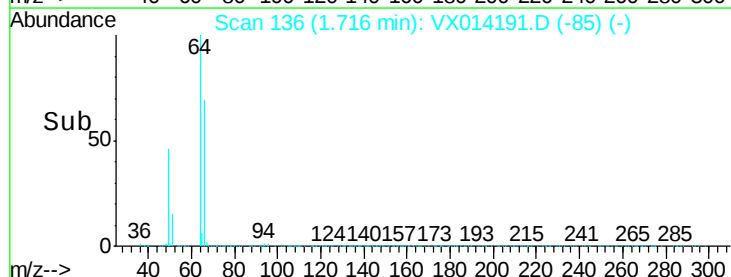
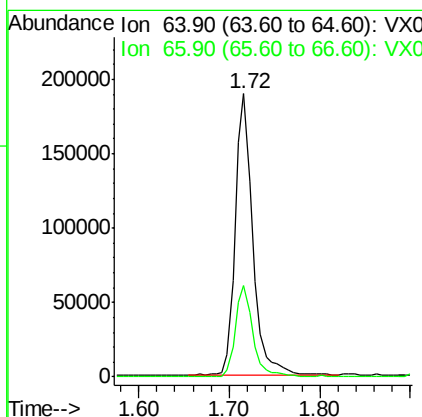
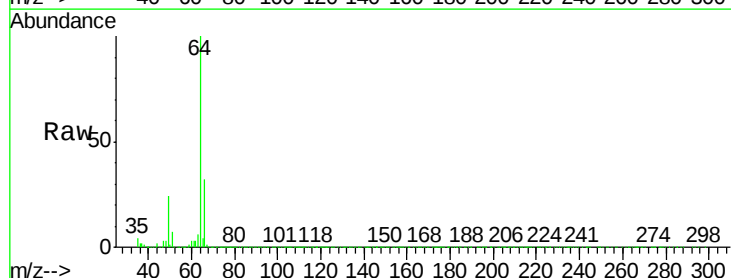
Acq: 23 Dec 2019 10:18

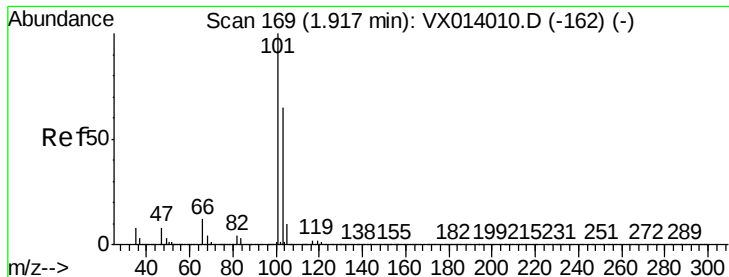
Tgt Ion: 64 Resp: 252006

Ion Ratio Lower Upper

64 100

66 32.2 23.4 35.2





#7

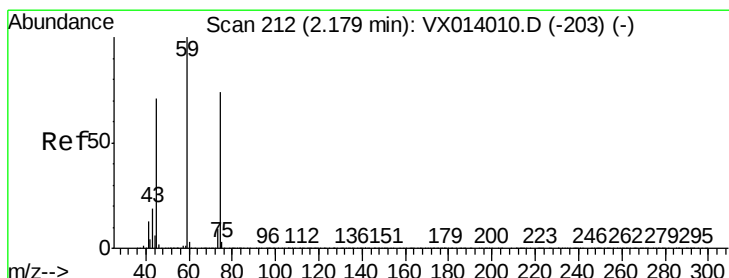
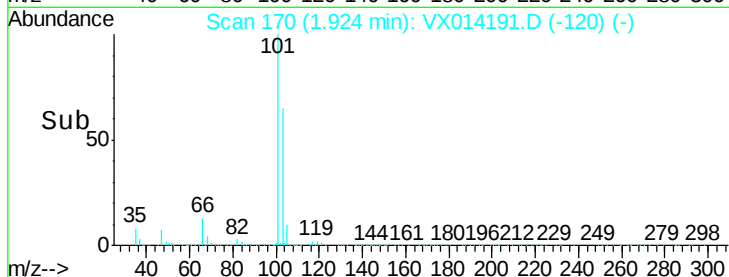
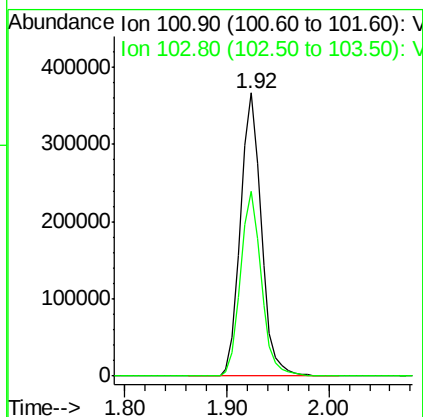
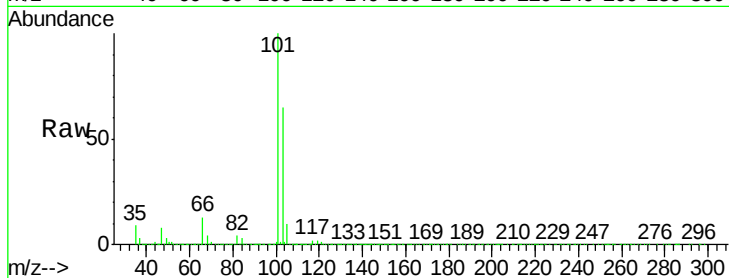
Trichlorofluoromethane
Concen: 52.689 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

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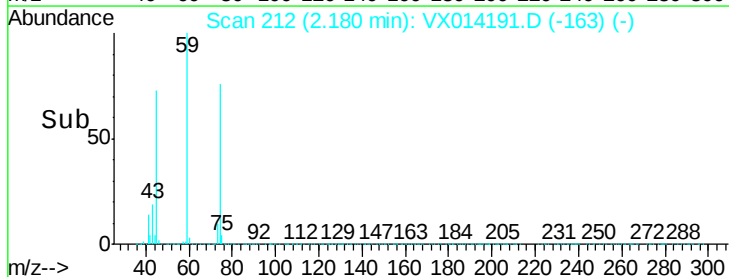
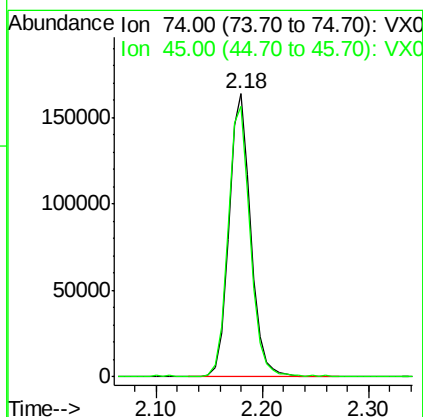
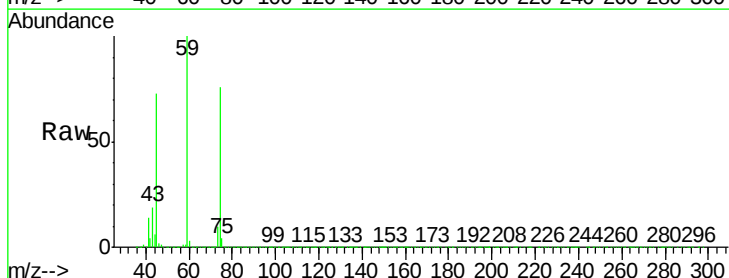
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#8

Diethyl Ether
Concen: 50.526 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.613 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

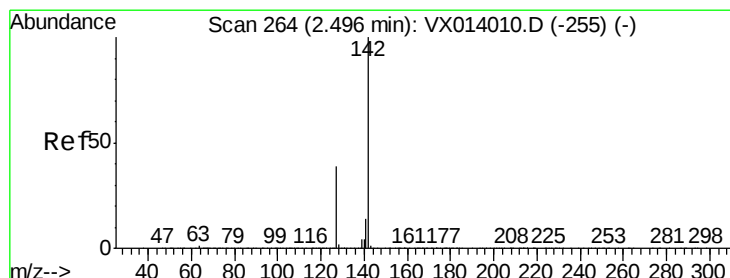
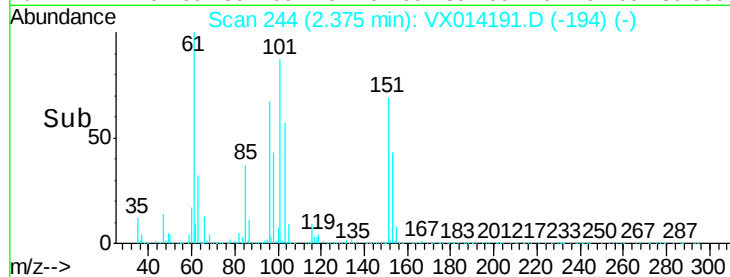
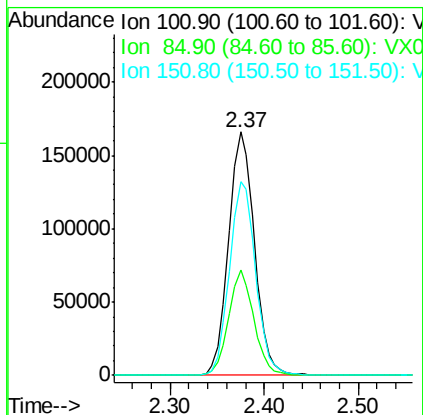
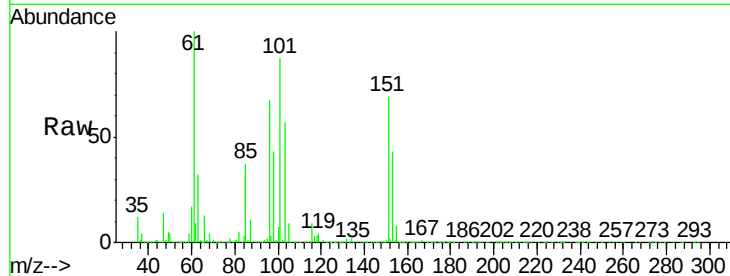
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	317517
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.7	50.5
151	80.7	64.5	96.7

Manual Integrations
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#10

Methyl Iodide

Concen: 45.479 ug/l

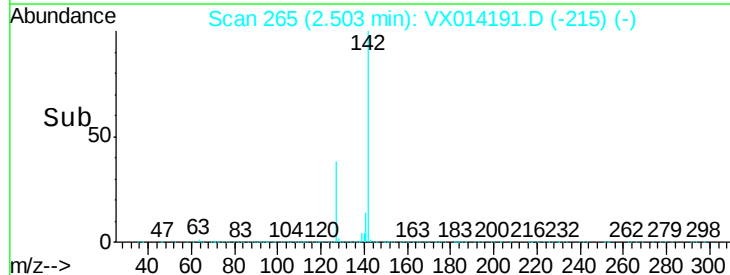
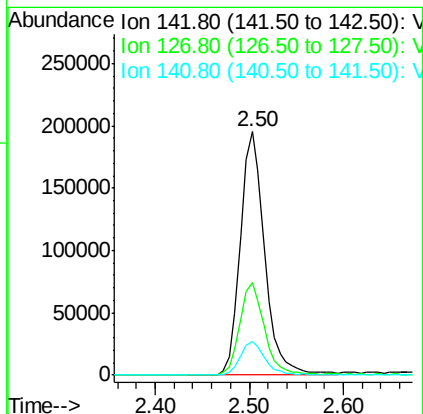
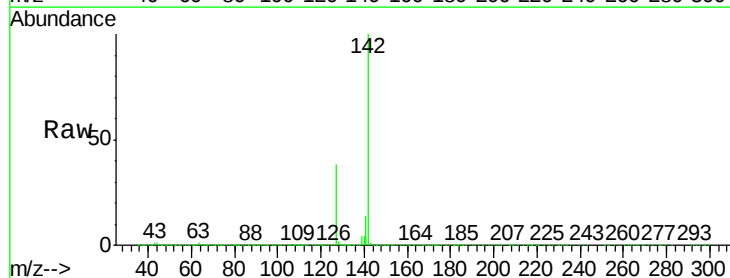
RT: 2.50 min Scan# 265

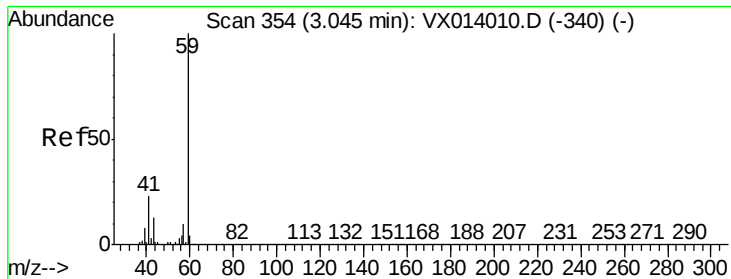
Delta R.T. 0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	142	Resp:	353244
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.6	47.4
141	14.1	11.6	17.4





#11

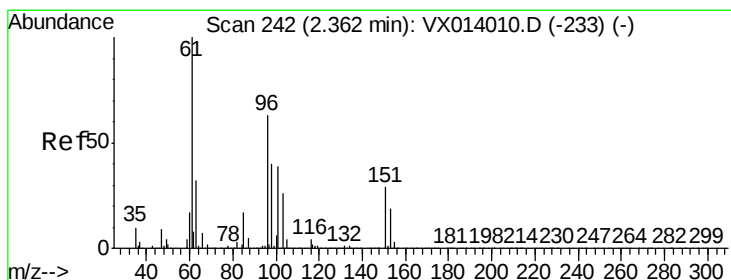
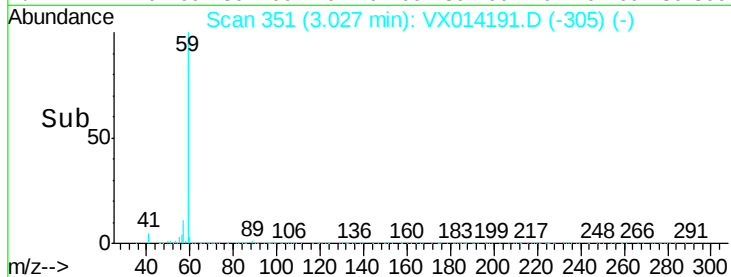
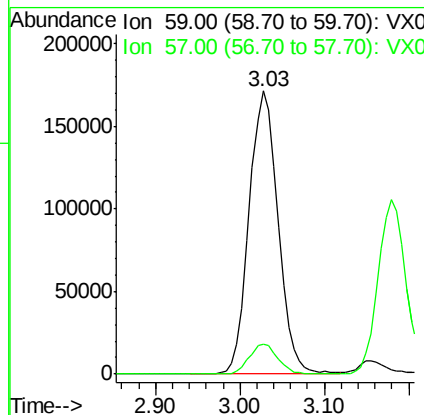
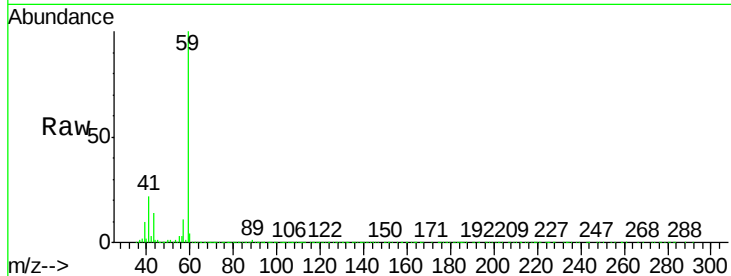
Tert butyl alcohol
Concen: 259.724 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.02 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

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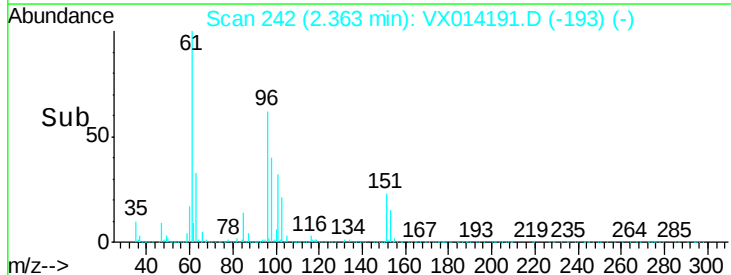
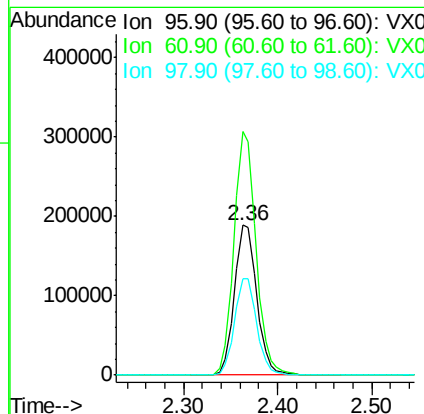
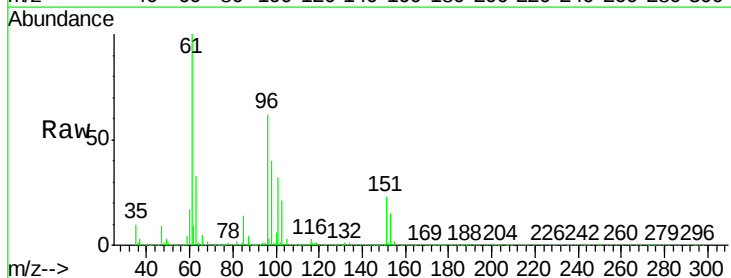
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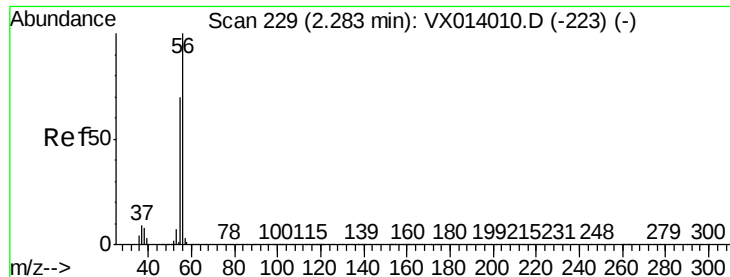


#12

1,1-Dichloroethene
Concen: 51.567 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	127.9	191.9
98	64.2	50.5	75.7





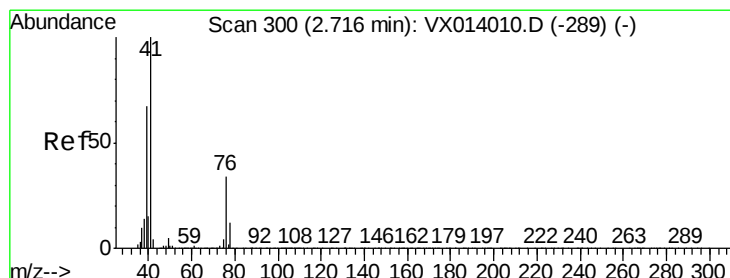
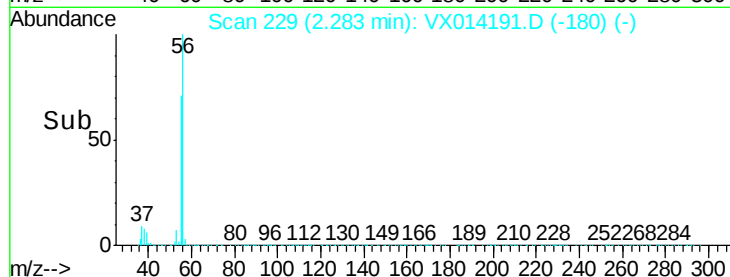
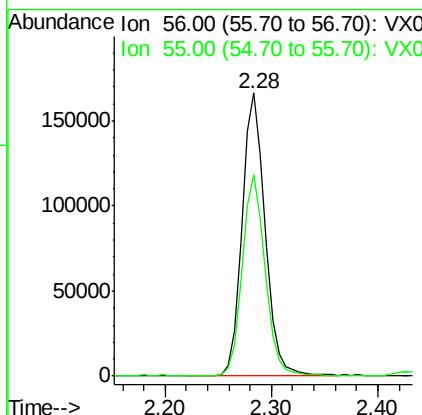
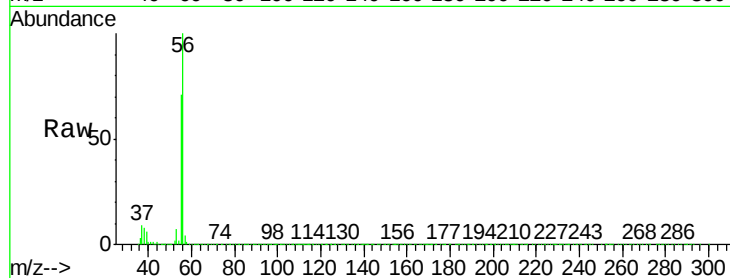
#13
Acrolein
Concen: 289.076 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.9	85.3

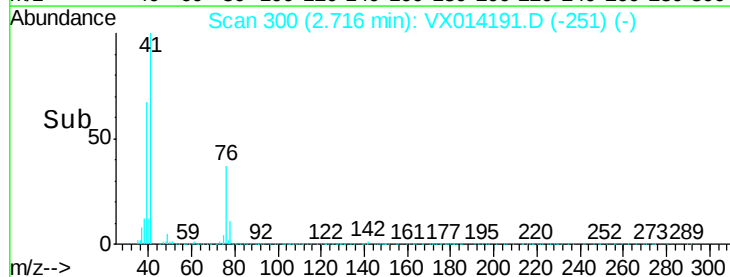
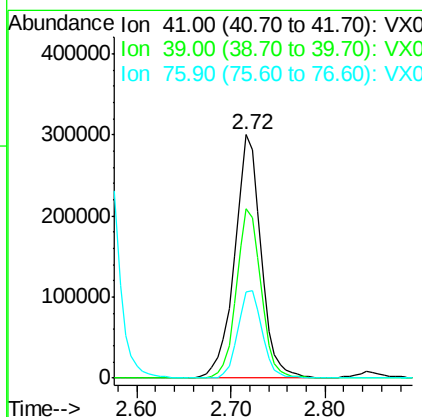
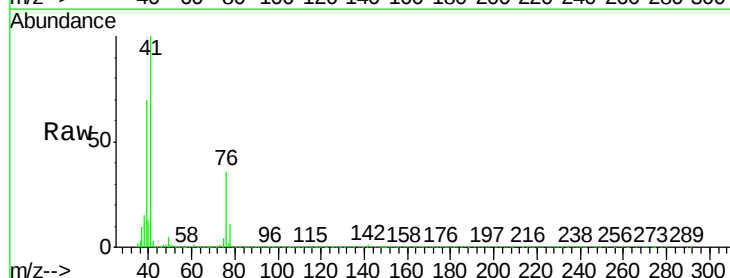
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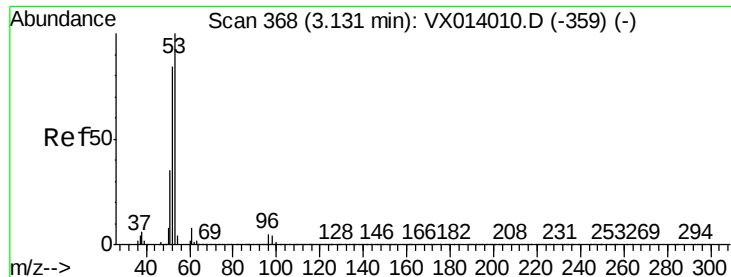
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#14
Allyl chloride
Concen: 54.218 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.8	51.8	77.8
76	33.1	25.9	38.9





#15

Acrylonitrile

Concen: 269.614 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

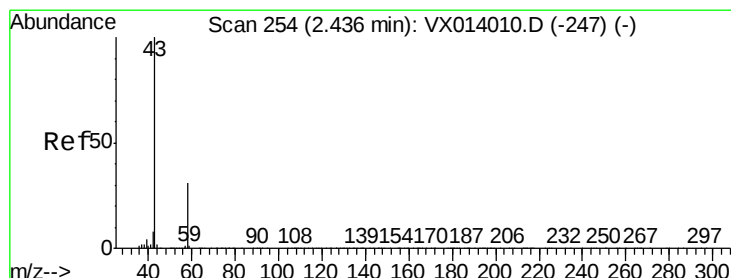
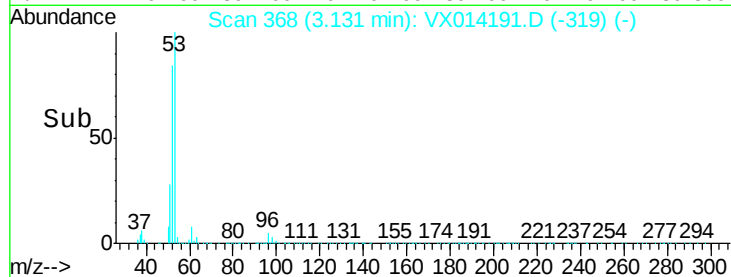
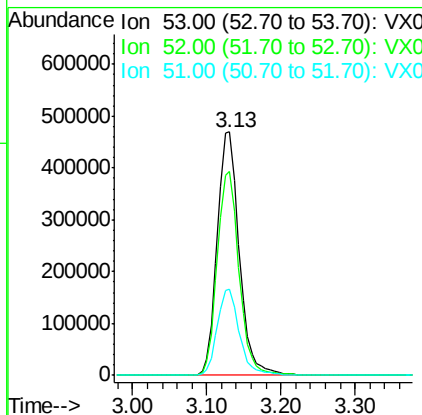
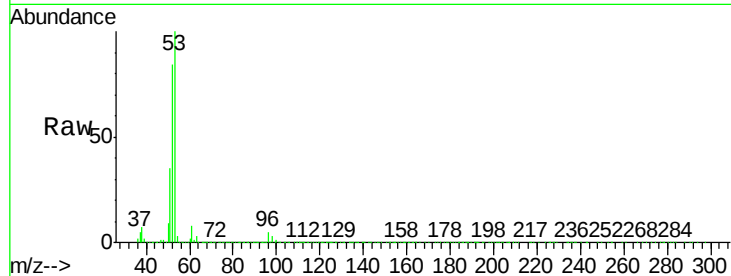
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	965478
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.5	99.7
51	35.3	28.1	42.1

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#16

Acetone

Concen: 246.950 ug/l

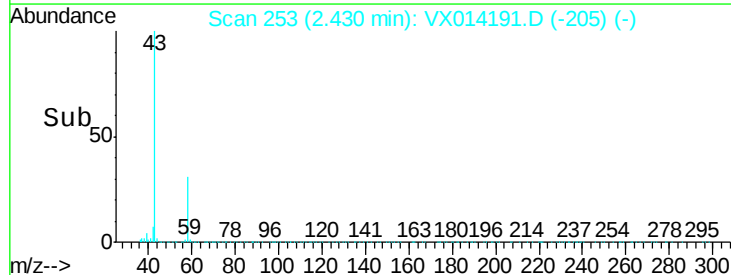
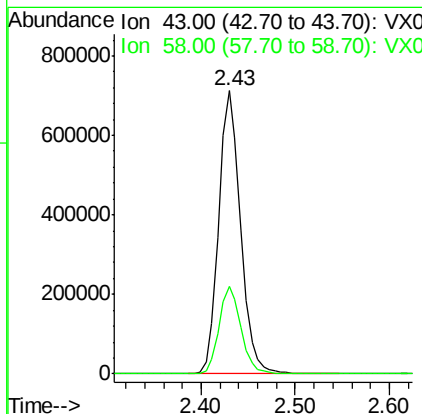
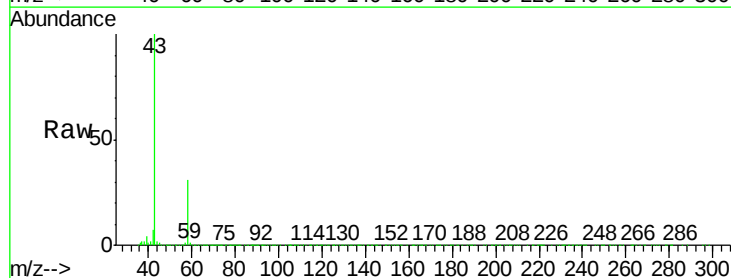
RT: 2.43 min Scan# 253

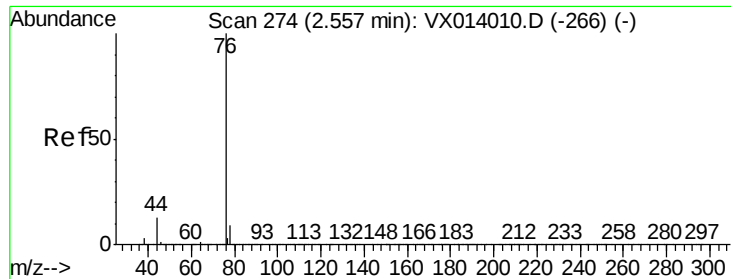
Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	43	Resp:	1138344
Ion Ratio		Lower	Upper
43	100		
58	30.7	24.9	37.3





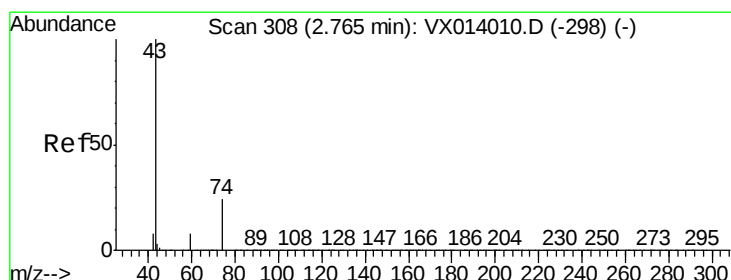
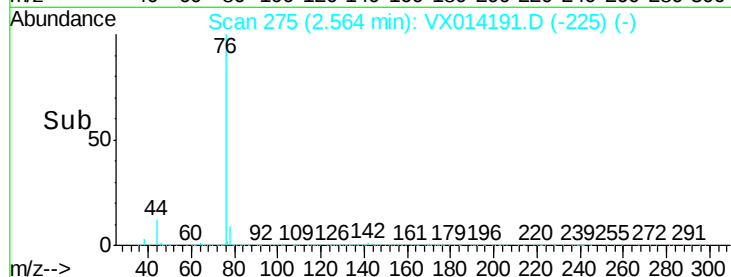
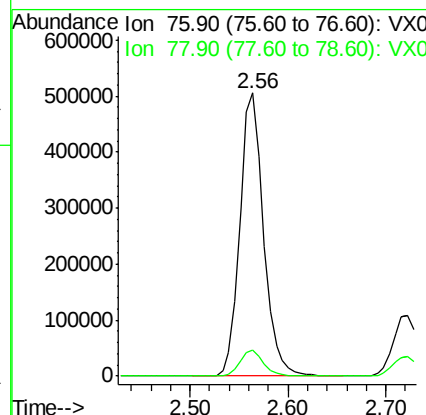
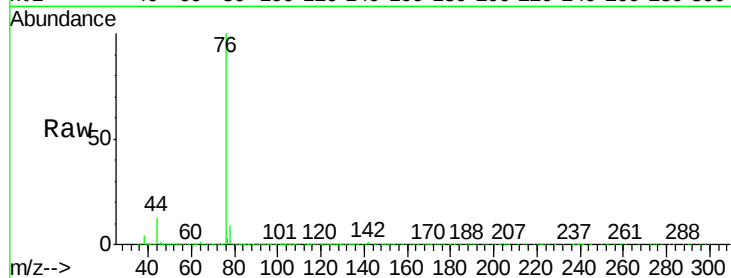
#17
Carbon Disulfide
Concen: 50.696 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

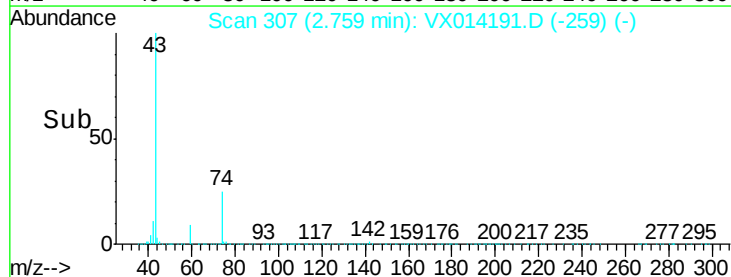
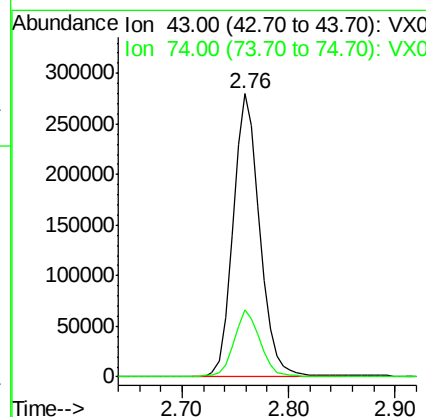
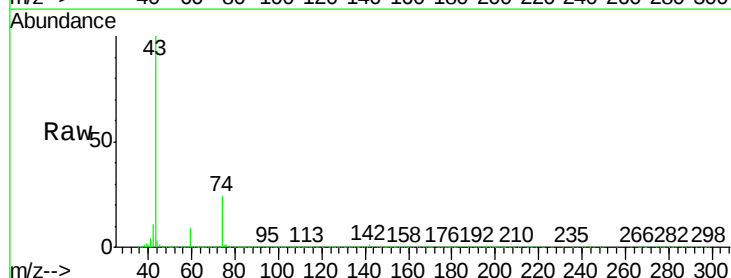
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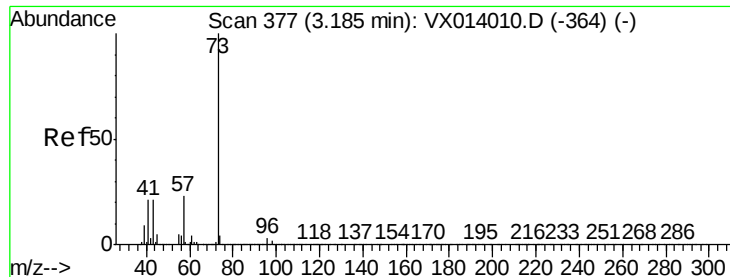
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#18
Methyl Acetate
Concen: 53.561 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.5	29.3





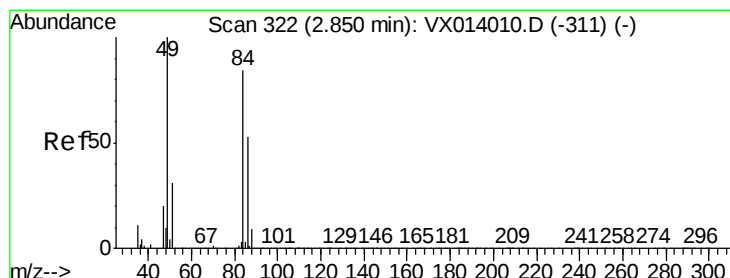
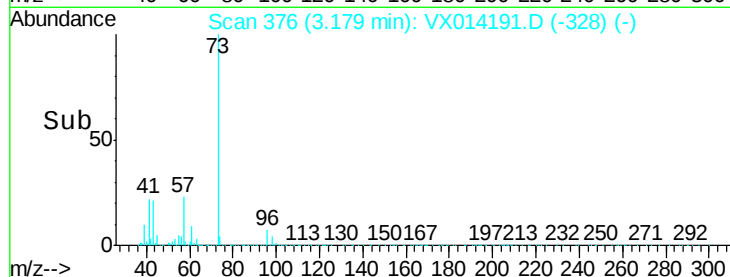
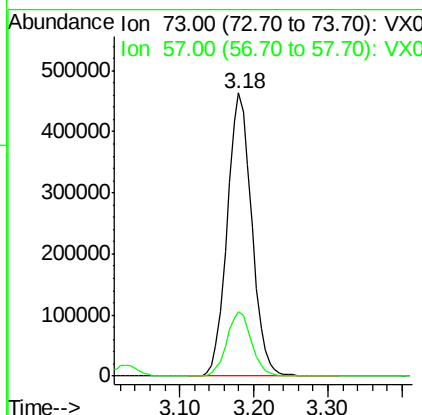
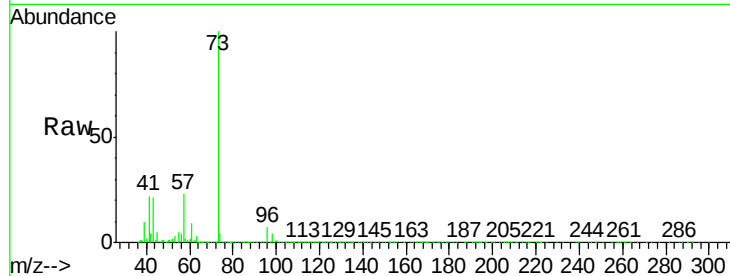
#19
Methyl tert-butyl Ether
Concen: 53.879 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion: 73 Resp: 1066948
Ion Ratio Lower Upper
73 100
57 22.7 18.8 28.2

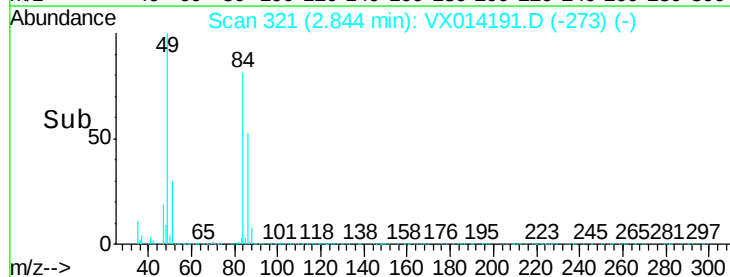
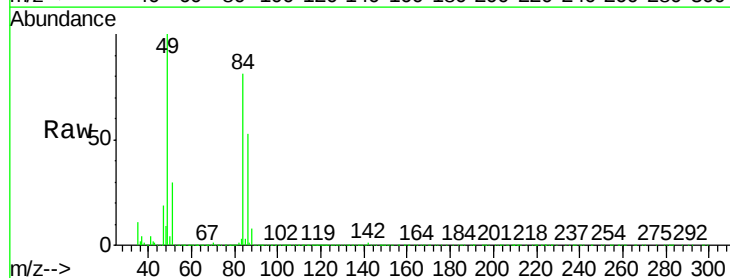
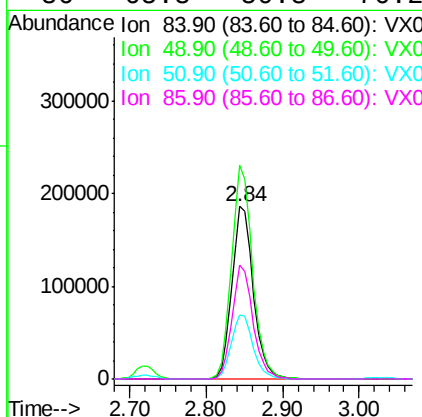
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#20
Methylene Chloride
Concen: 49.433 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion: 84 Resp: 358833
Ion Ratio Lower Upper
84 100
49 123.8 95.8 143.6
51 37.1 29.8 44.8
86 65.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 51.329 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

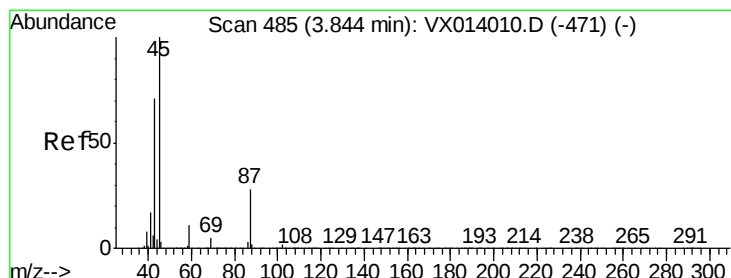
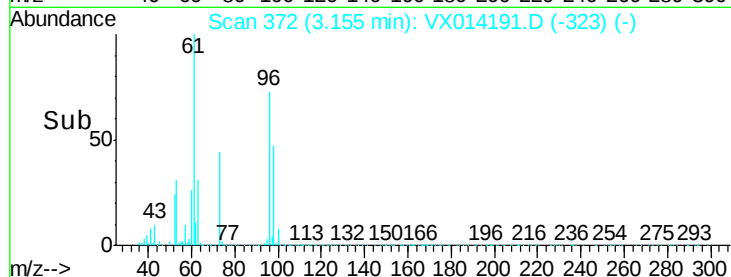
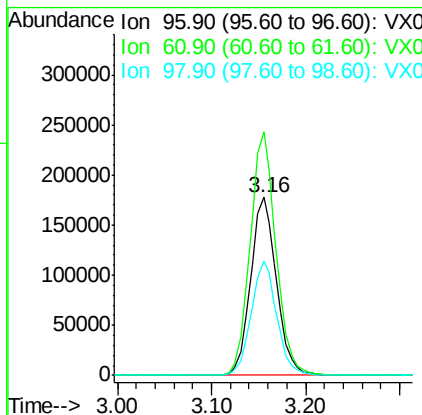
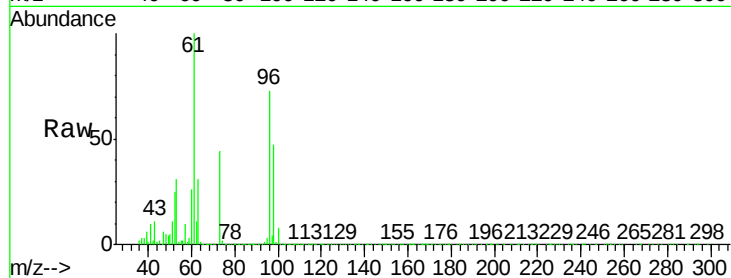
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	340783
Ion	Ratio	Lower	Upper
96	100		
61	136.6	108.3	162.5
98	63.9	50.8	76.2

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#22

Diisopropyl ether

Concen: 53.704 ug/l

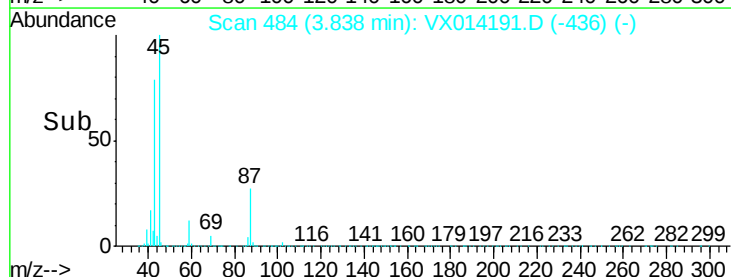
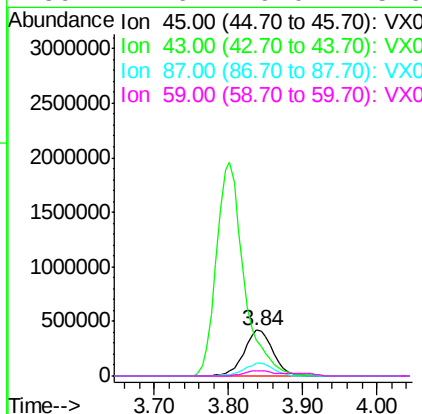
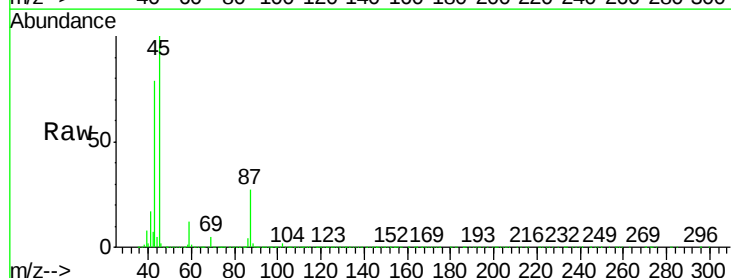
RT: 3.84 min Scan# 484

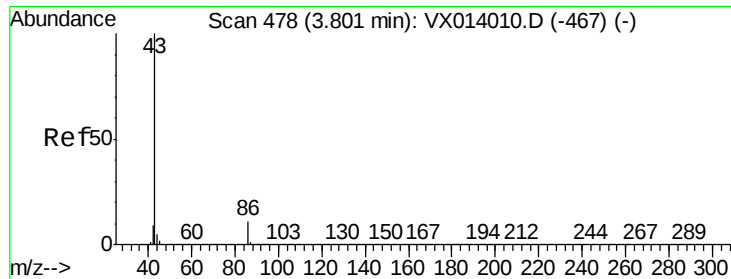
Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	45	Resp:	1151509
Ion	Ratio	Lower	Upper
45	100		
43	78.6	57.4	86.0
87	26.8	21.9	32.9
59	11.6	9.0	13.6





#23

Vinyl Acetate

Concen: 287.152 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 5024495

Ion Ratio Lower Upper

43 100

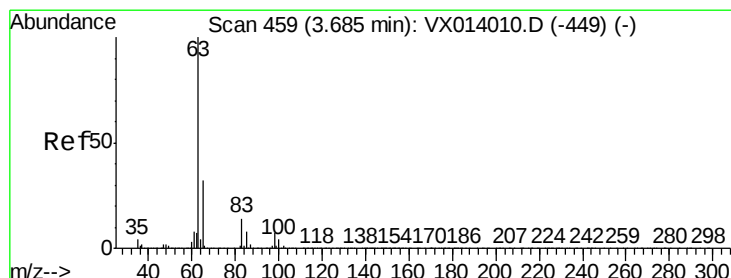
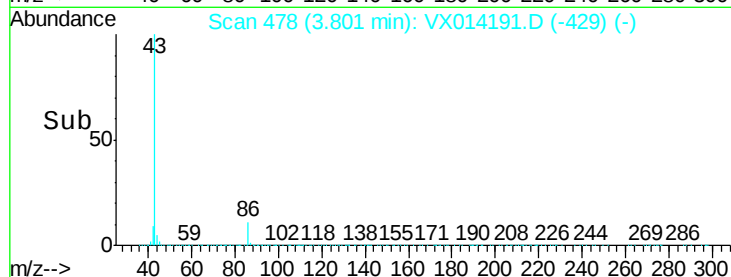
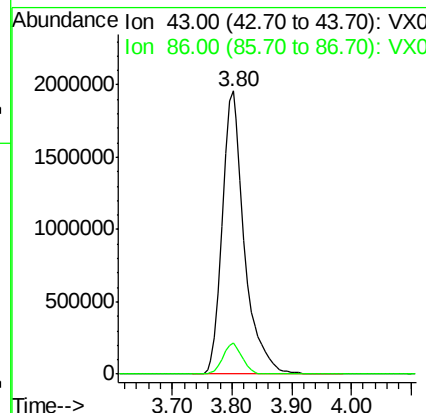
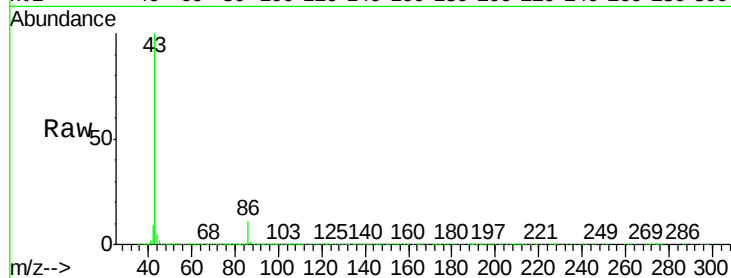
86 11.1 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 51.722 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

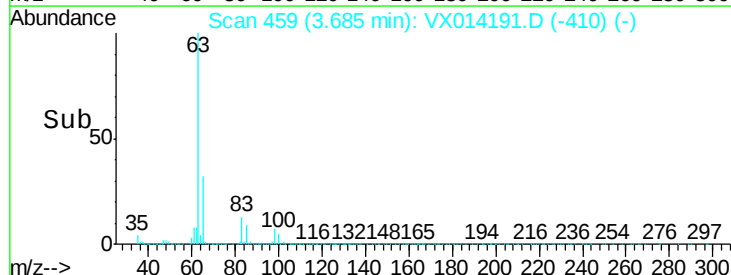
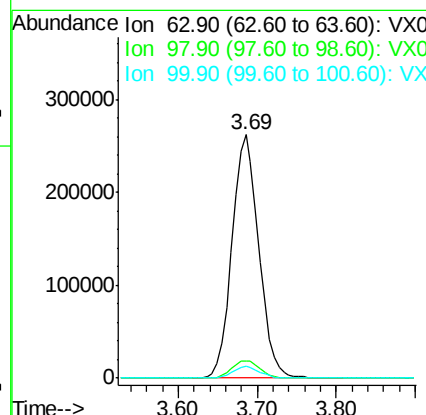
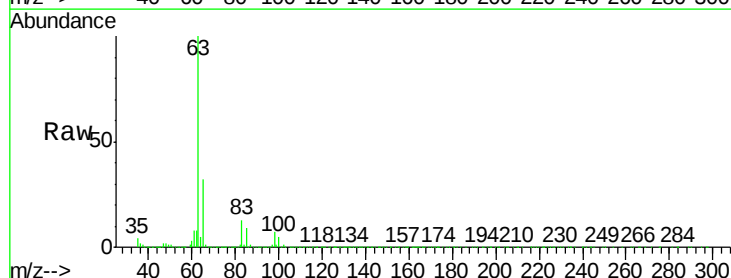
Tgt Ion: 63 Resp: 617004

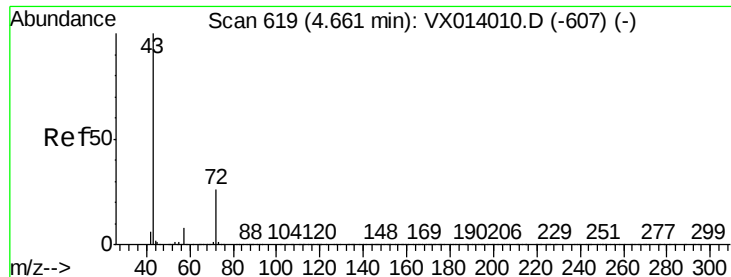
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 264.051 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1500634

Ion Ratio Lower Upper

43 100

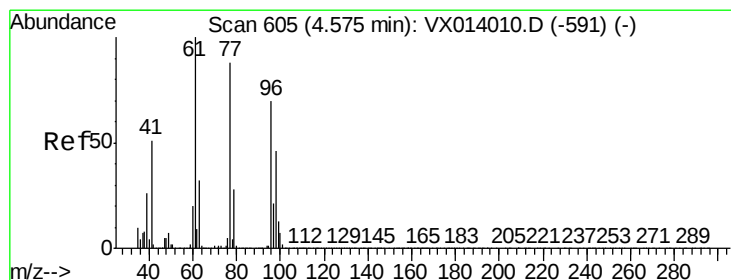
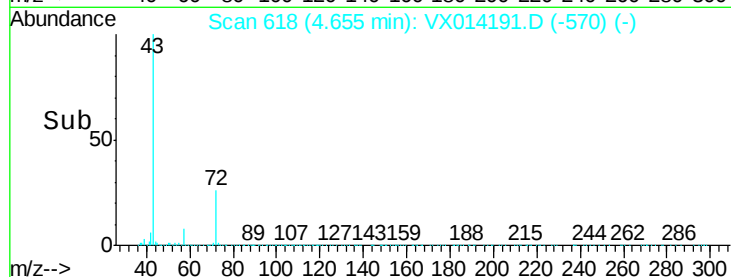
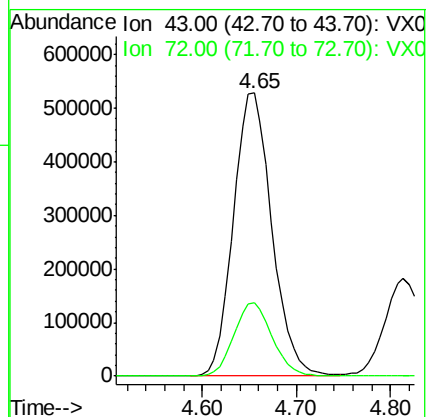
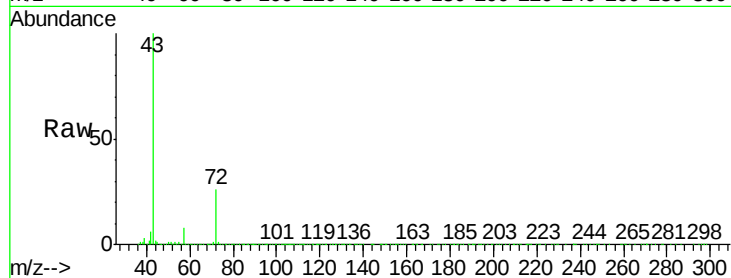
72 26.0 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 56.192 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014191.D

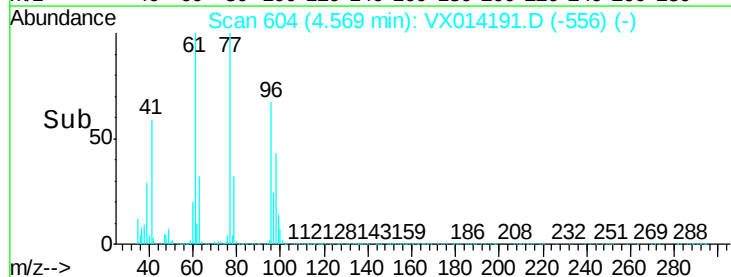
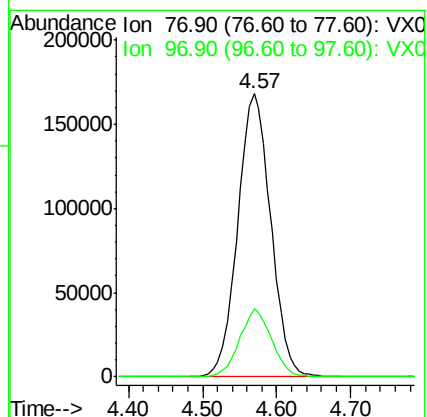
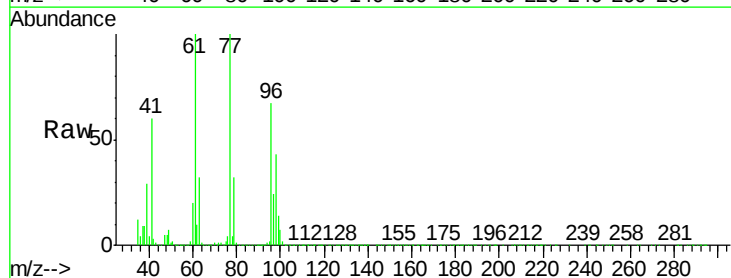
Acq: 23 Dec 2019 10:18

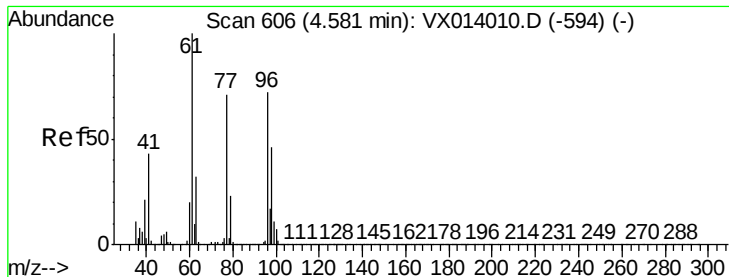
Tgt Ion: 77 Resp: 520456

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.9





#27

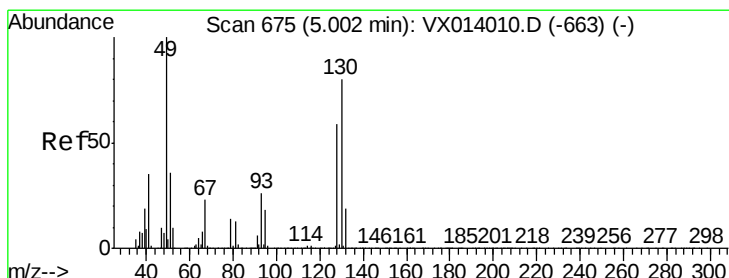
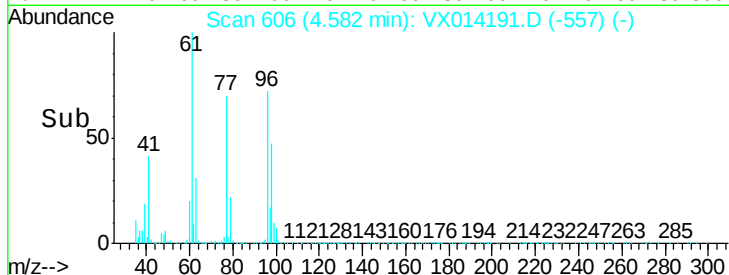
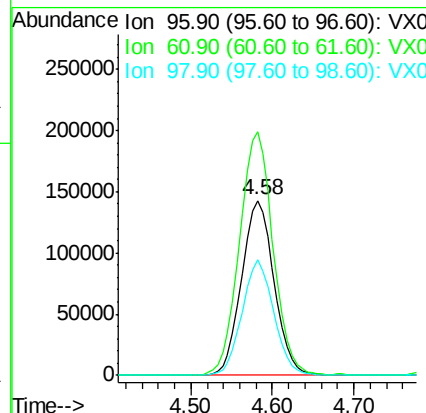
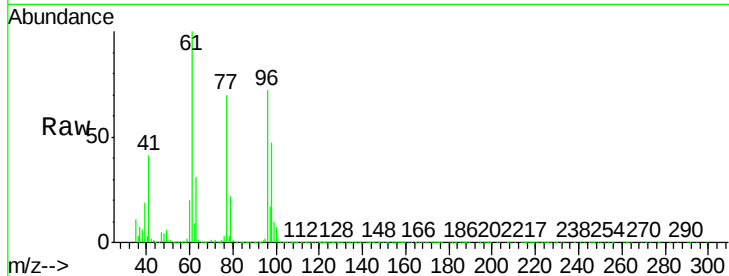
cis-1,2-Dichloroethene
Concen: 52.403 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	288.4
98	64.4	0.0	129.6

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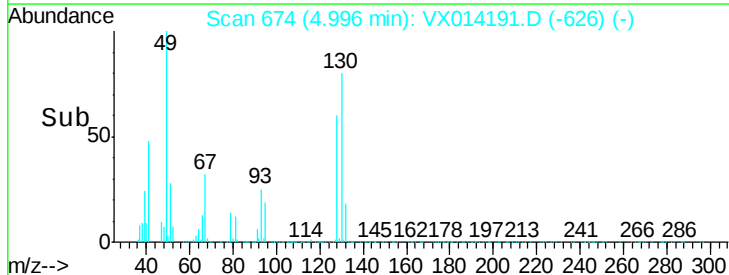
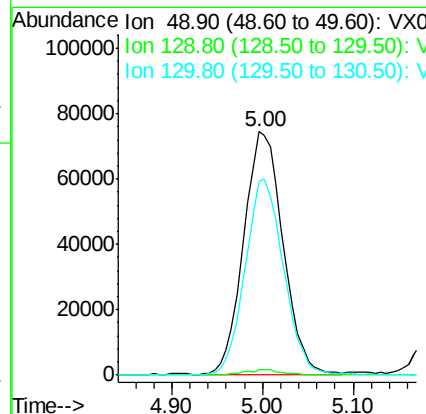
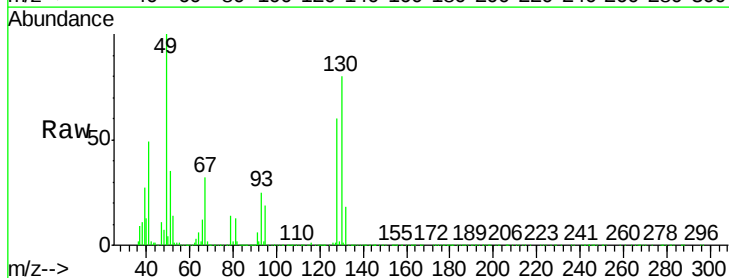
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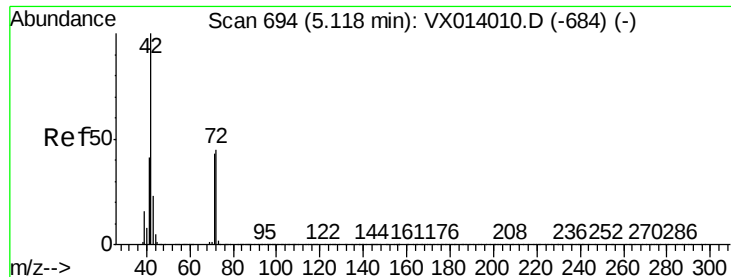


#28

Bromochloromethane
Concen: 48.765 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.0
130	78.2	64.6	97.0





#29

Tetrahydrofuran

Concen: 269.558 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

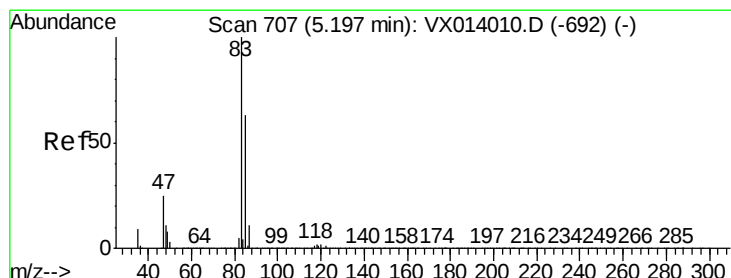
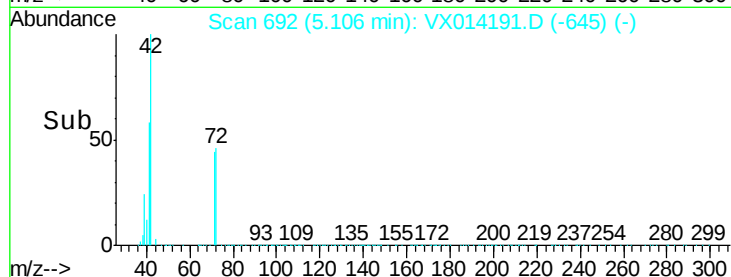
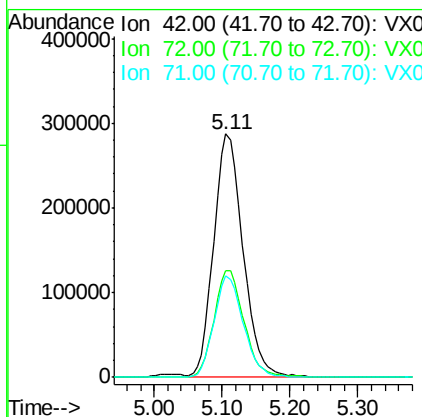
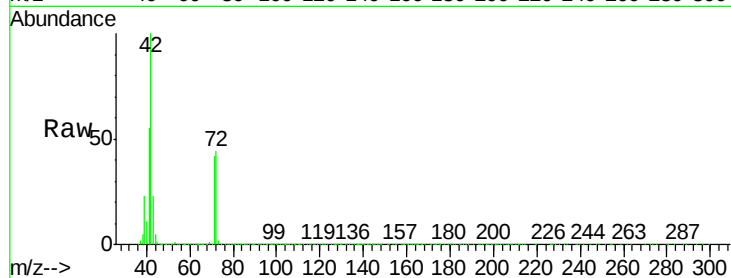
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	856849
Ion Ratio		Lower	Upper
42	100		
72	44.9	35.8	53.8
71	41.5	33.6	50.4

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#30

Chloroform

Concen: 53.440 ug/l

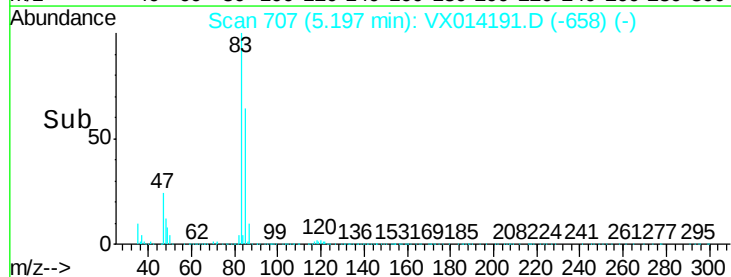
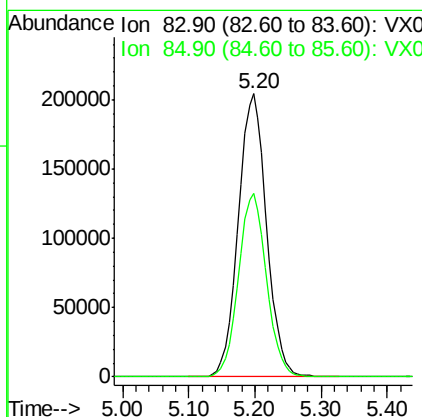
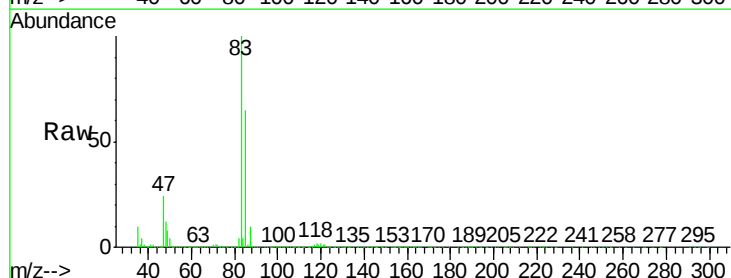
RT: 5.20 min Scan# 707

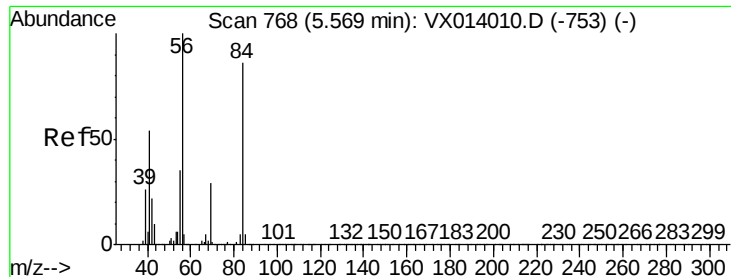
Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	83	Resp:	604335
Ion Ratio		Lower	Upper
83	100		
85	65.0	50.8	76.2





#31

Cyclohexane

Concen: 53.800 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

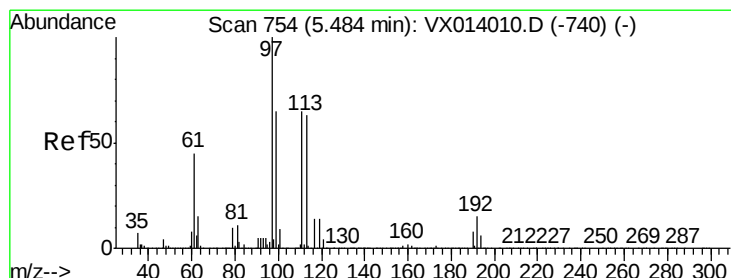
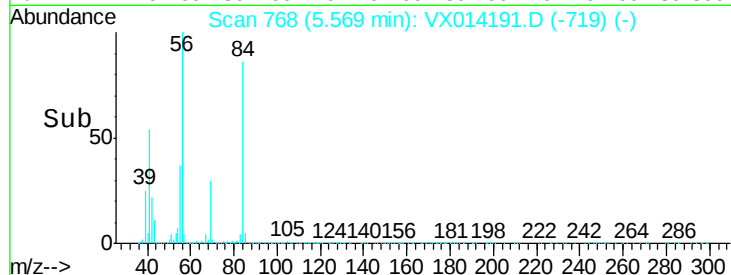
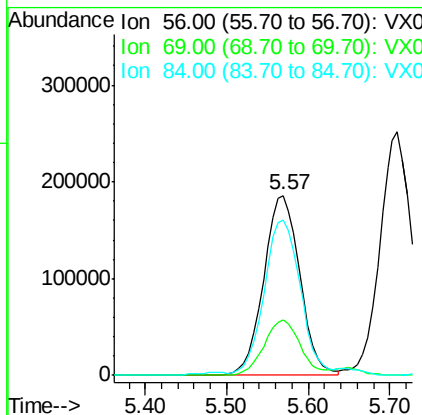
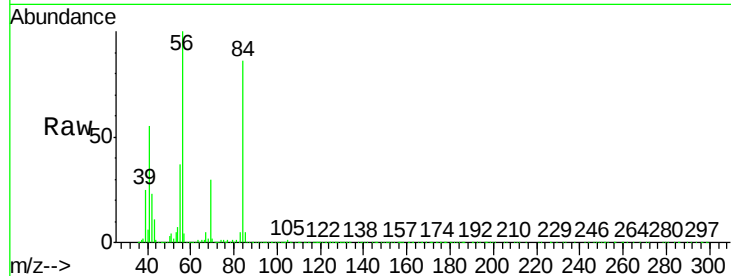
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	570813
Ion Ratio		Lower	Upper
56	100		
69	30.3	23.2	34.8
84	85.7	69.2	103.8

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#32

1,1,1-Trichloroethane

Concen: 53.583 ug/l

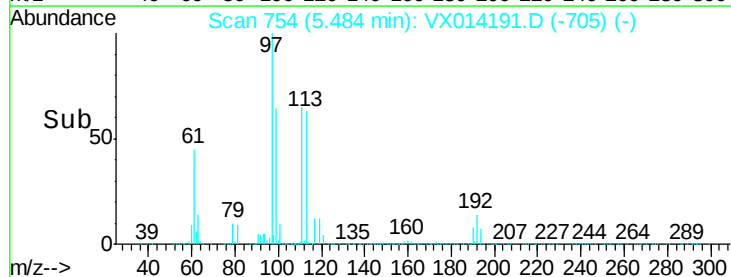
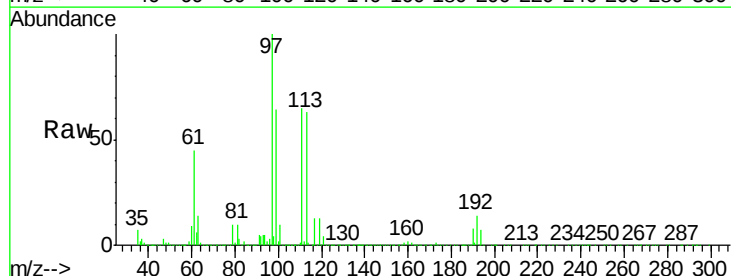
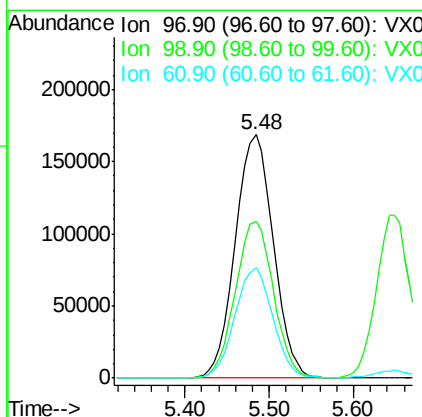
RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	97	Resp:	516439
Ion Ratio		Lower	Upper
97	100		
99	64.4	52.0	78.0
61	44.8	36.7	55.1





#33

1,2-Dichloroethane-d4

Concen: 51.911 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 368585

Ion Ratio Lower Upper

65 100

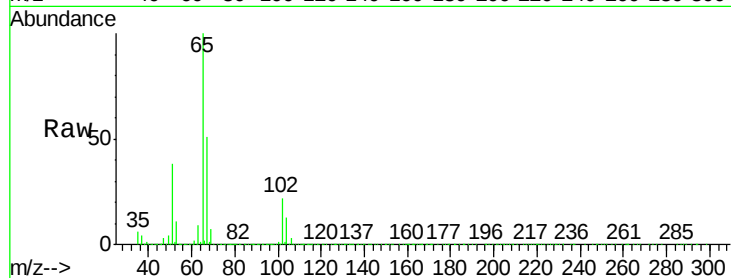
67 52.9 0.0 106.4

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

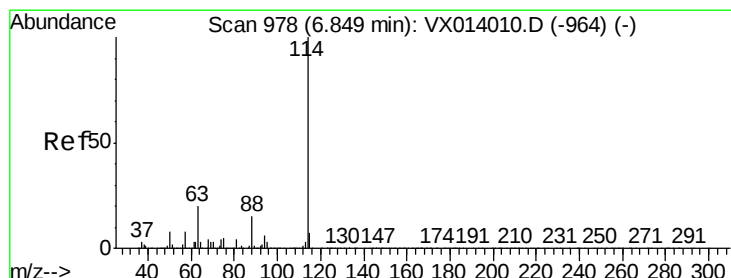
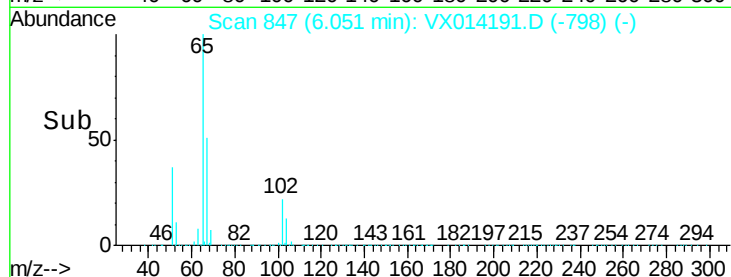
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

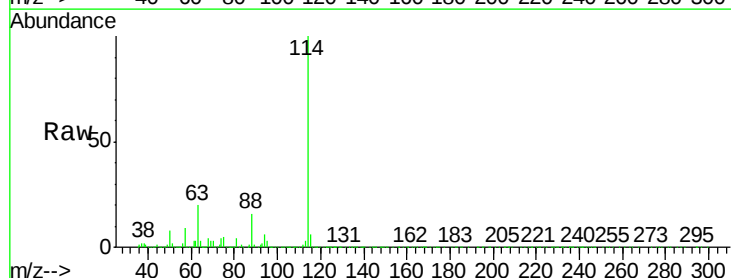
Tgt Ion: 114 Resp: 941158

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.6 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

6.84

500000

400000

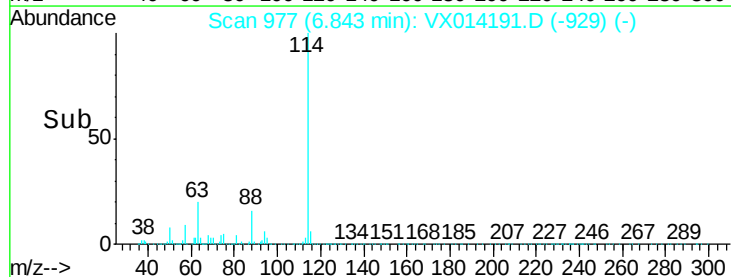
300000

200000

100000

0

Time--> 6.70 6.80 6.90 7.00





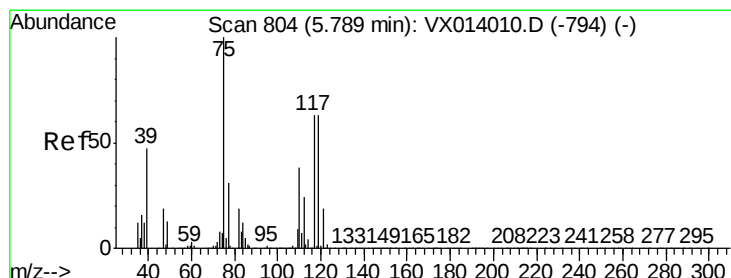
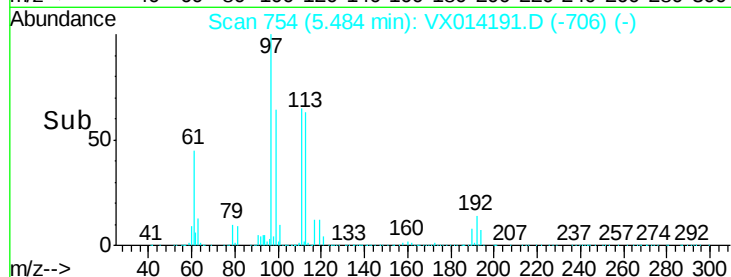
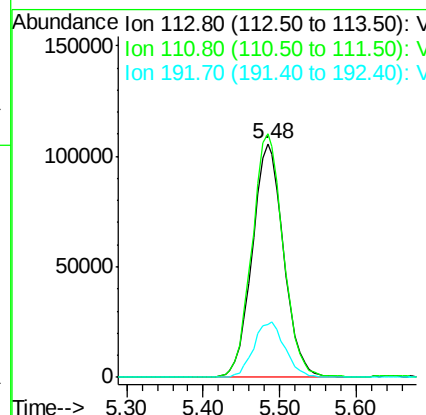
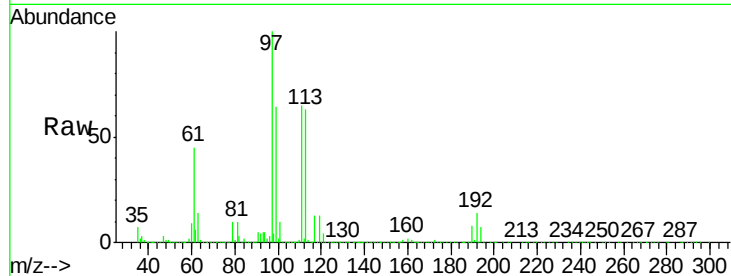
#35
Dibromofluoromethane
Concen: 52.679 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	301388		
111	103.6	82.0	123.0	
192	23.7	19.3	28.9	

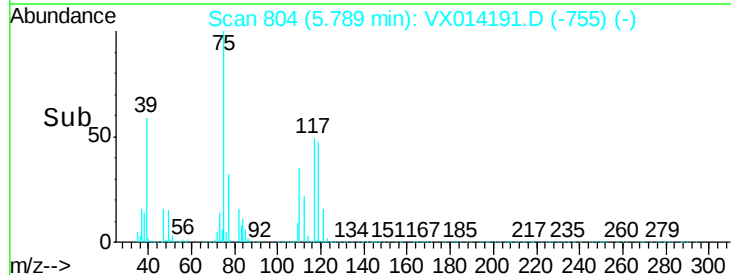
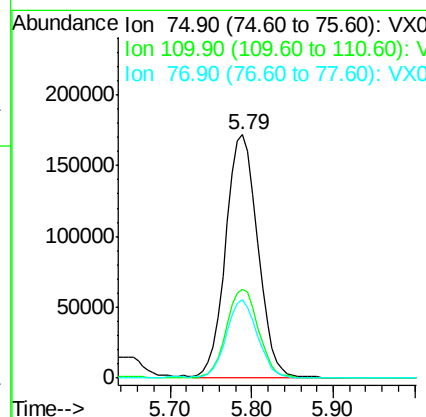
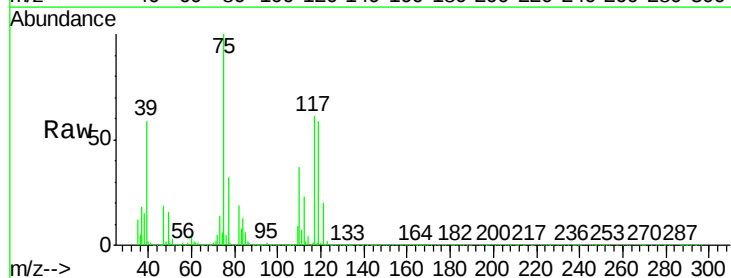
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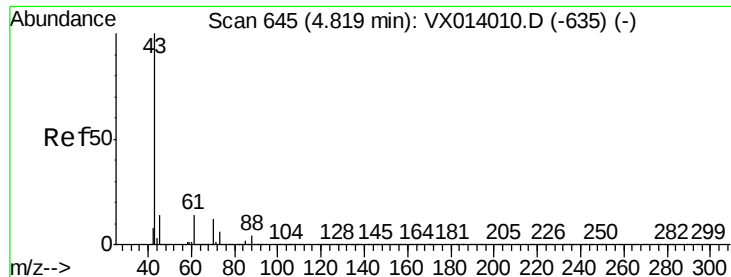
apatel
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#36
1,1-Dichloropropene
Concen: 54.001 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	466338		
110	36.8	18.3	54.9	
77	31.1	24.8	37.2	





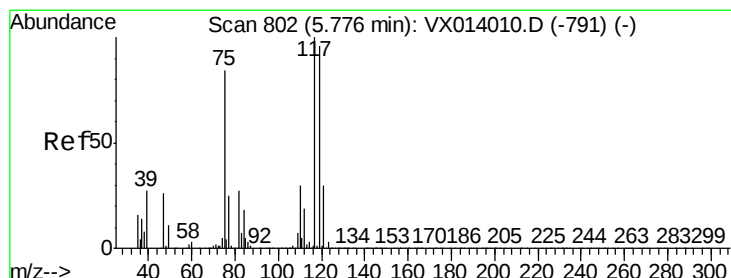
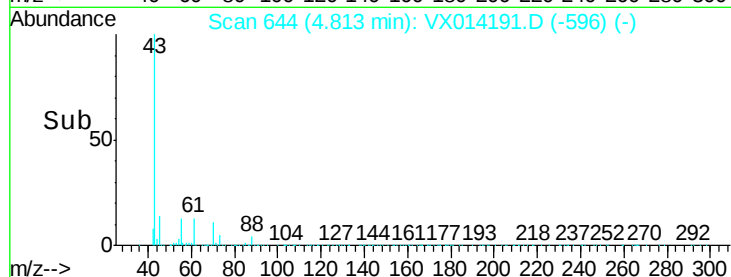
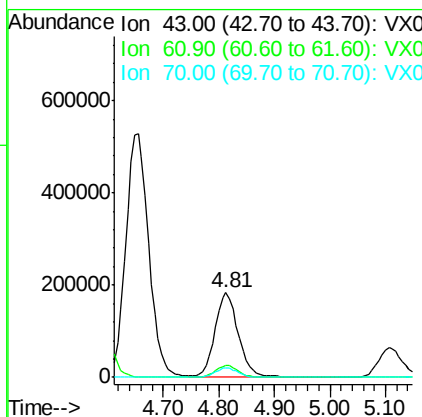
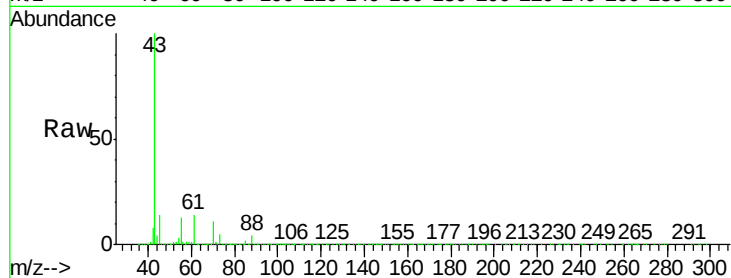
#37
Ethyl Acetate
Concen: 56.072 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	534719
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	11.0	8.6	12.8

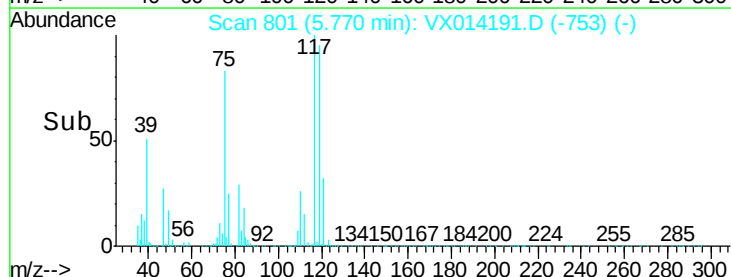
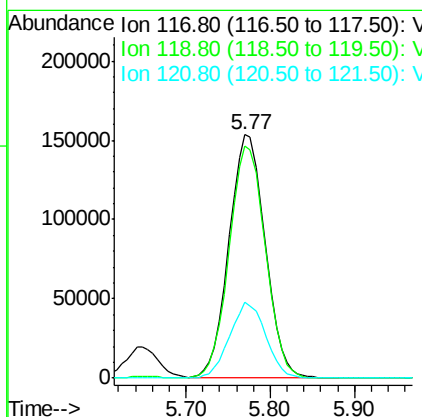
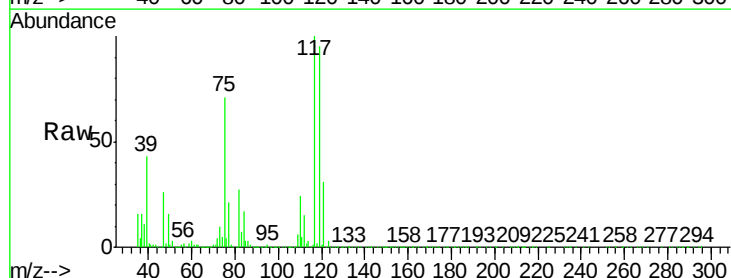
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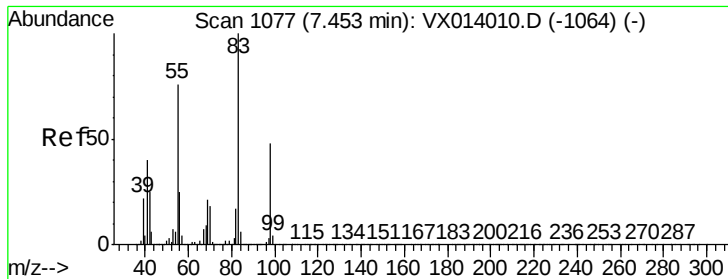
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#38
Carbon Tetrachloride
Concen: 56.603 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion:	117	Resp:	445294
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.2	114.4
121	31.2	23.6	35.4





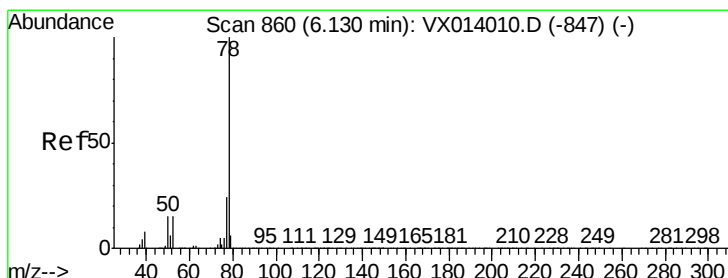
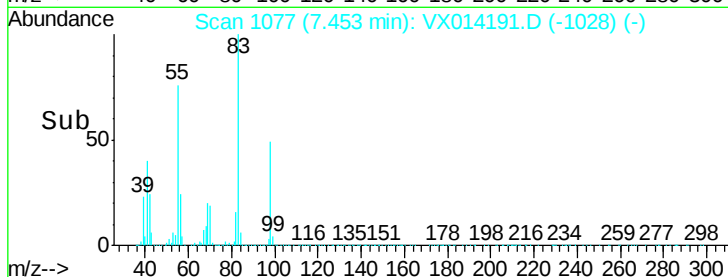
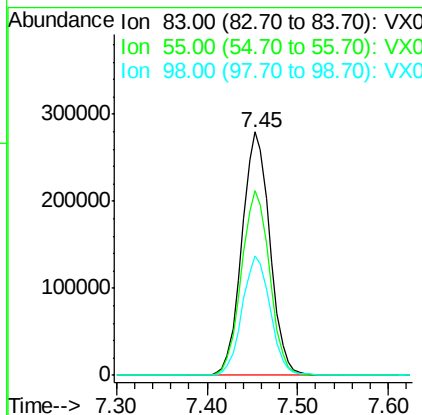
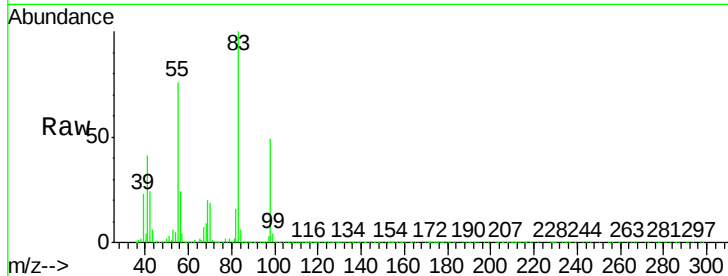
#39
Methvlcvclohexane
Concen: 55.967 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.0	91.6
98	49.0	38.6	57.8

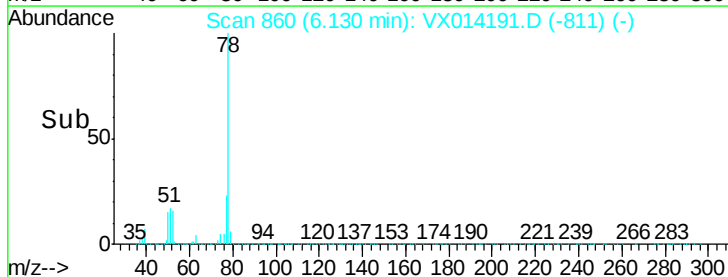
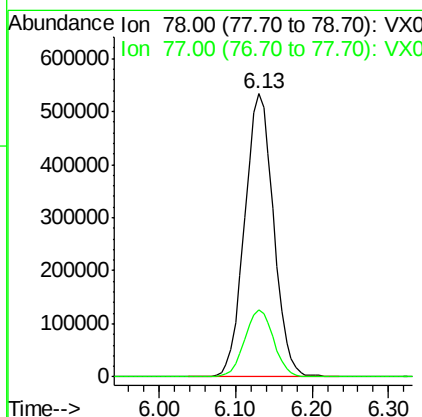
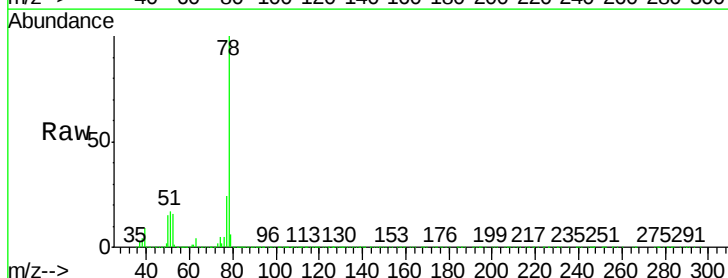
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#40
Benzene
Concen: 52.767 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





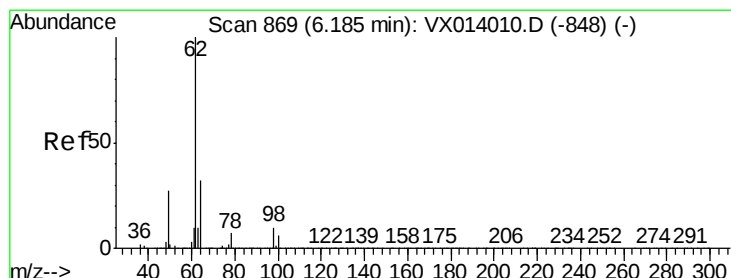
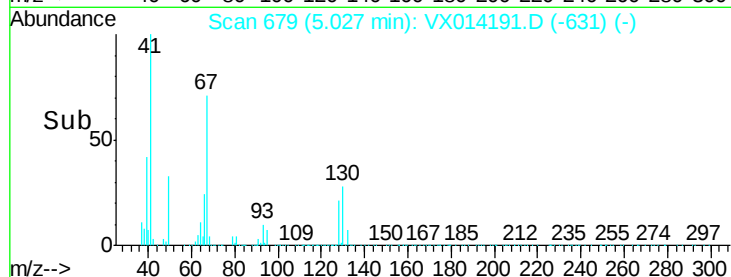
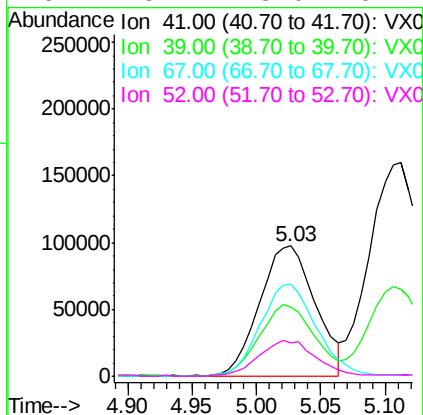
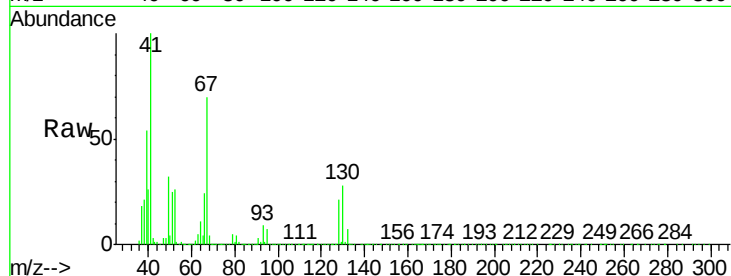
#41
Methacrylonitrile
Concen: 54.965 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		290829		
39	54.2	44.5	66.7		
67	71.5	57.4	86.0		
52	28.1	23.0	34.4		

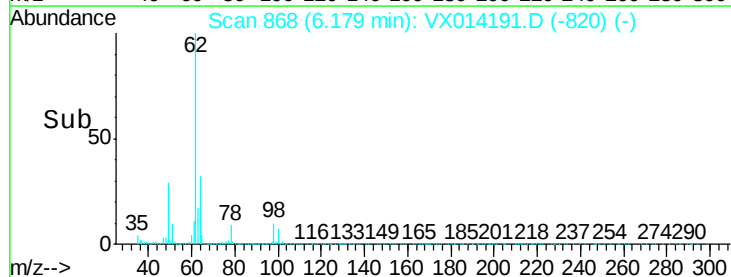
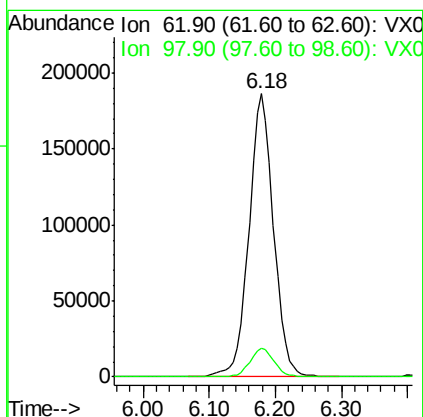
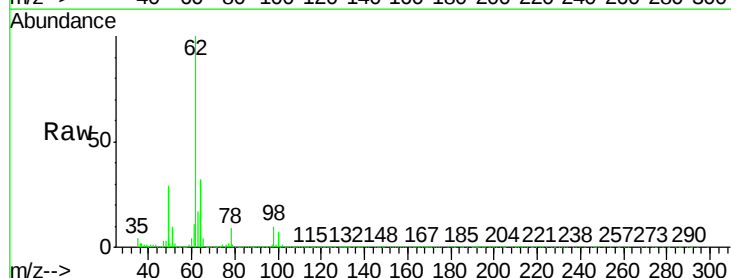
Manual Integrations
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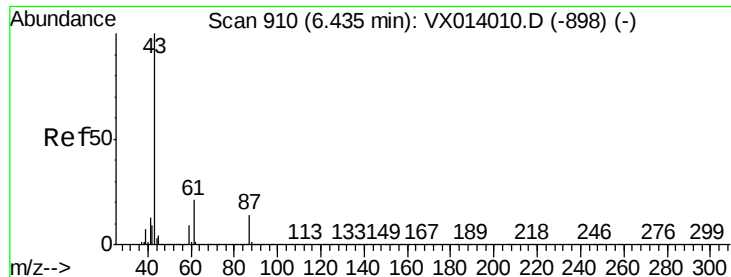
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#42
1,2-Dichloroethane
Concen: 53.173 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		478921		
98	10.0	0.0	21.0		





#43

Isopropyl Acetate

Concen: 56.071 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

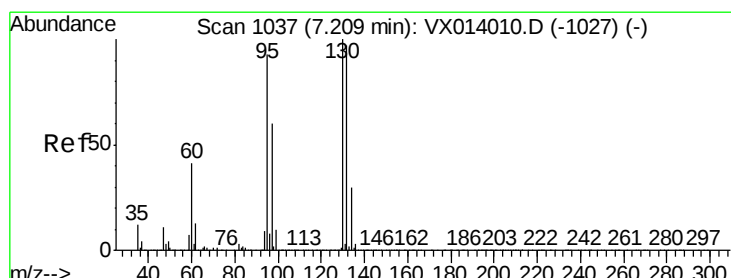
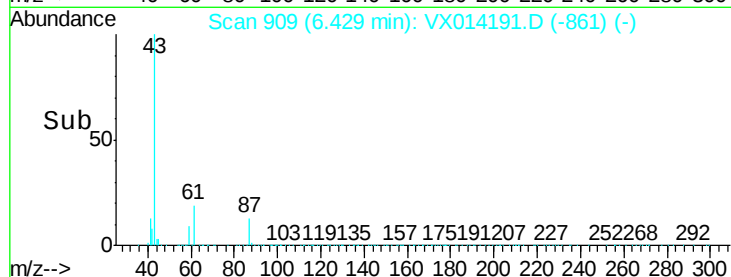
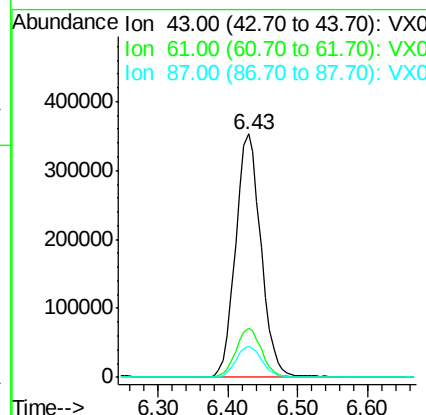
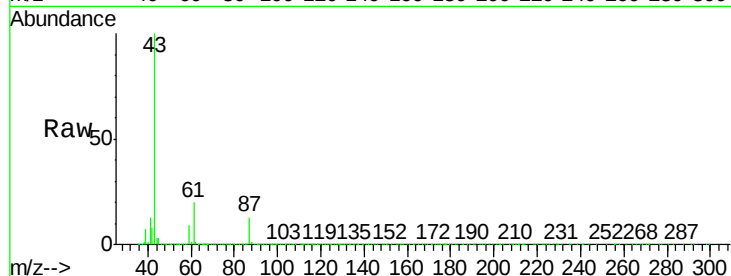
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	884902
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.4	24.6
87	13.0	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 53.213 ug/l

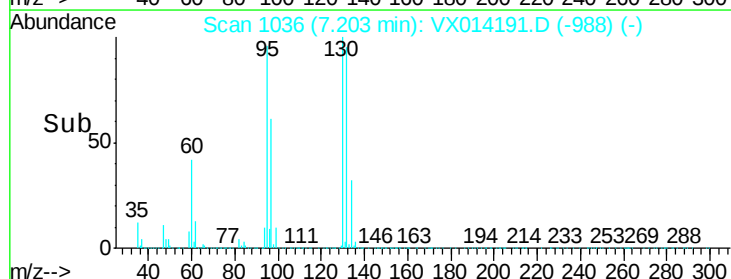
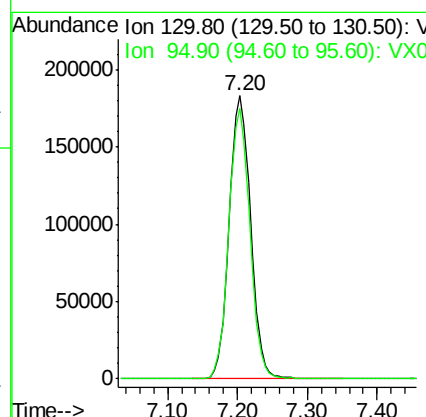
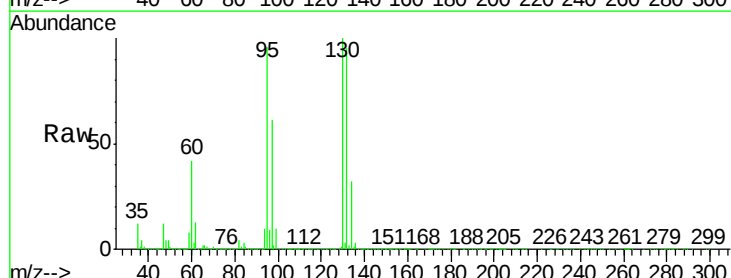
RT: 7.20 min Scan# 1036

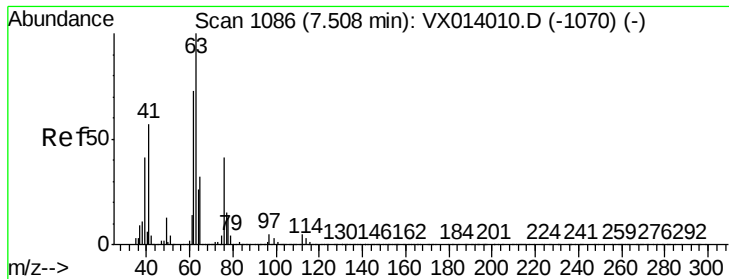
Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	130	Resp:	390539
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	185.6





#45

1,2-Dichloropropane

Concen: 54.246 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 369432

Ion Ratio Lower Upper

63 100

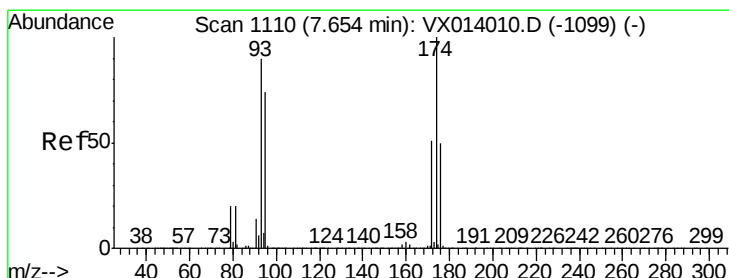
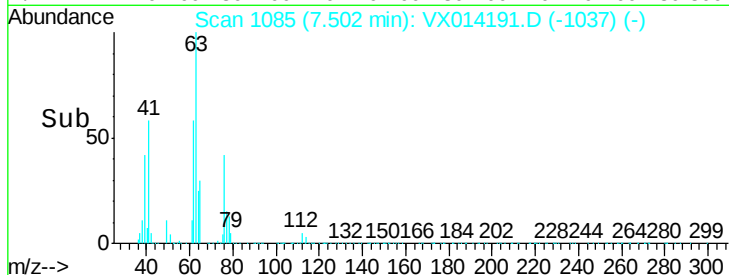
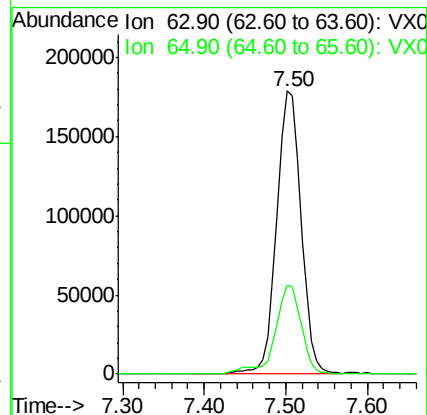
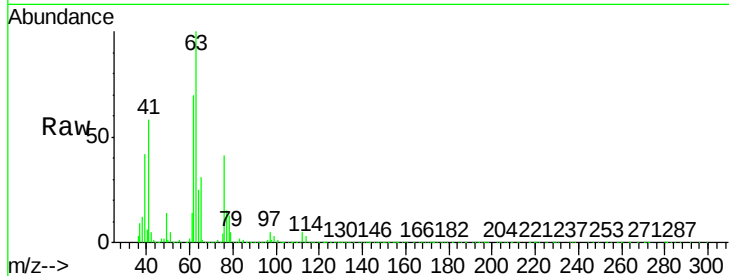
65 31.3 25.8 38.8

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#46

Dibromomethane

Concen: 52.887 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

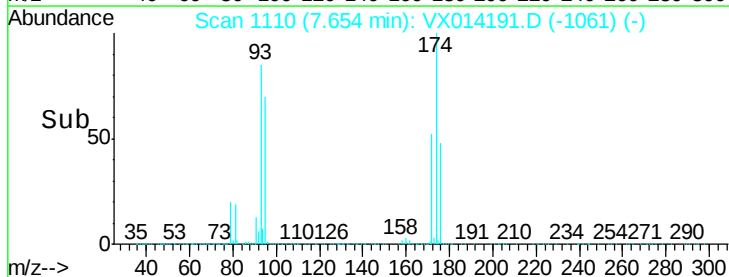
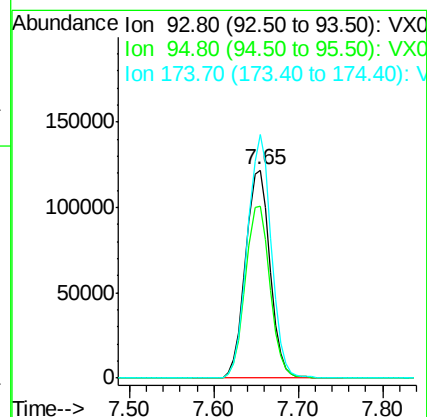
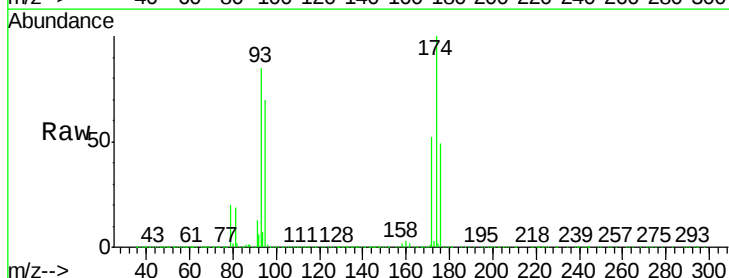
Tgt Ion: 93 Resp: 238131

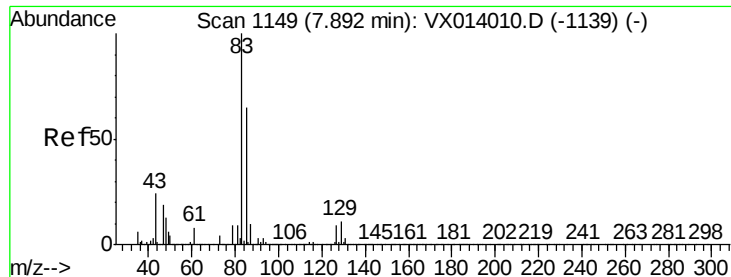
Ion Ratio Lower Upper

93 100

95 83.1 67.3 100.9

174 114.7 91.6 137.4





#47

Bromodichloromethane

Concen: 56.370 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

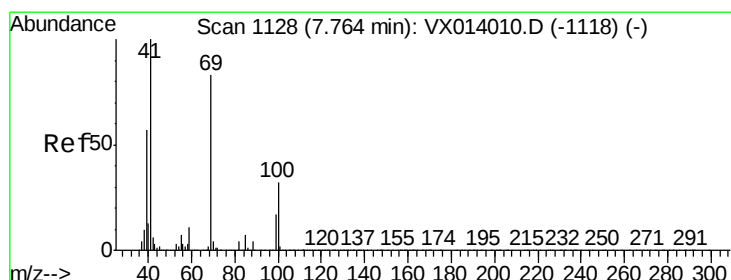
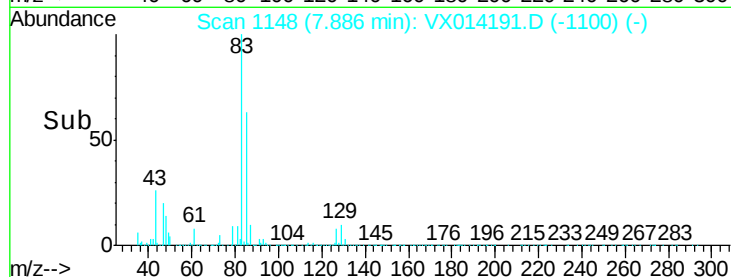
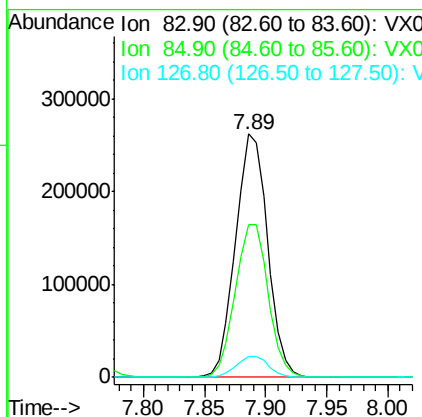
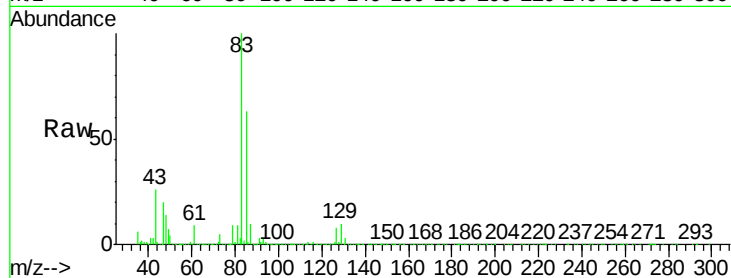
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	478023
Ion Ratio		Lower	Upper
83	100		
85	62.8	51.8	77.8
127	8.4	7.0	10.4

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#48

Methyl methacrylate

Concen: 56.128 ug/l

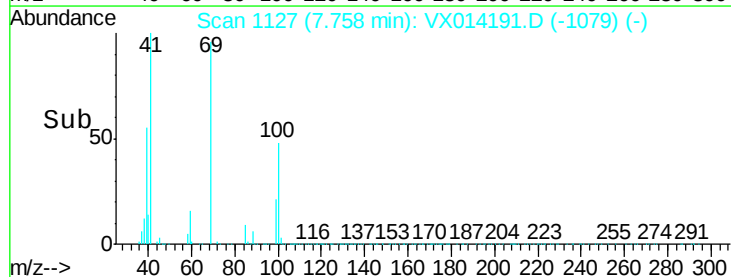
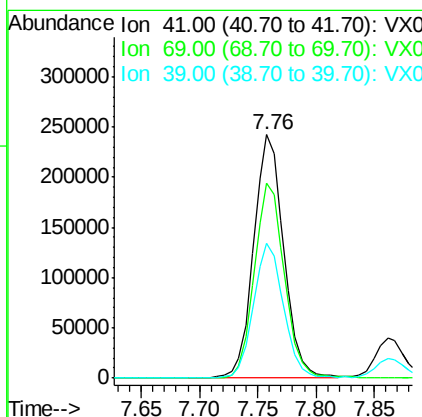
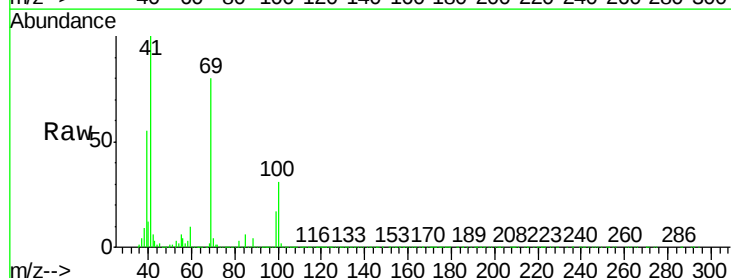
RT: 7.76 min Scan# 1127

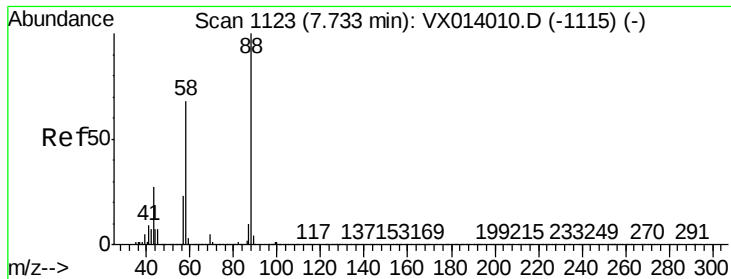
Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	41	Resp:	433754
Ion Ratio		Lower	Upper
41	100		
69	80.4	65.8	98.6
39	55.5	44.6	67.0





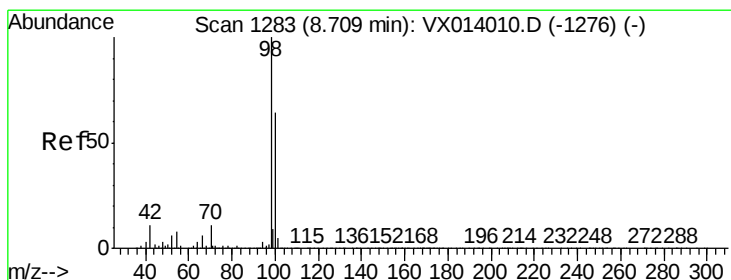
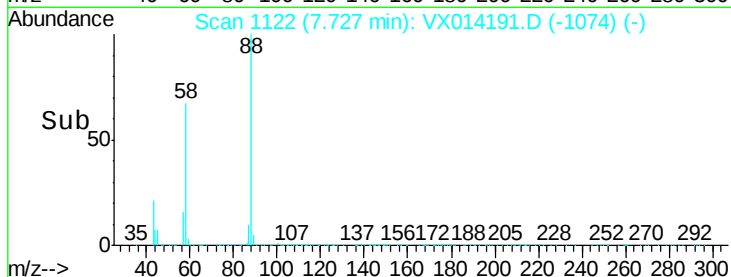
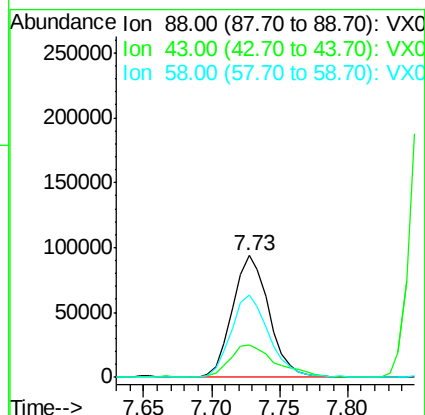
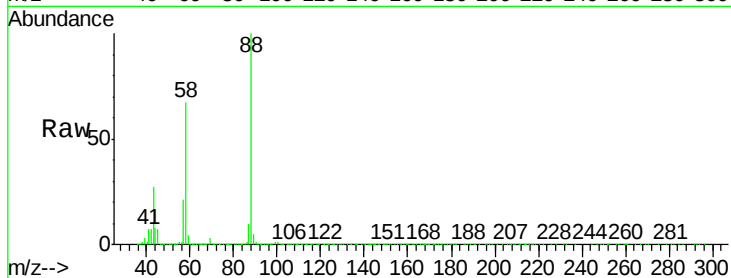
#49
1,4-Dioxane
Concen: 1115.604 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.5	39.7
58	69.8	56.8	85.2

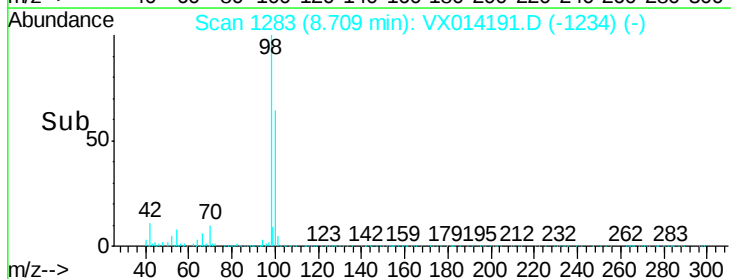
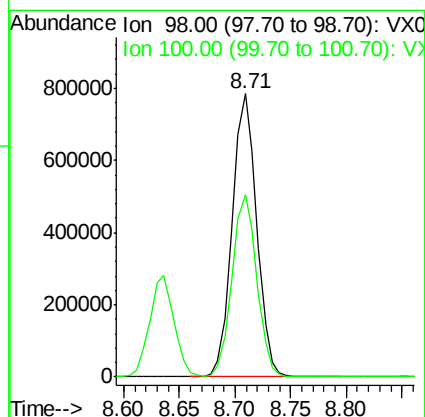
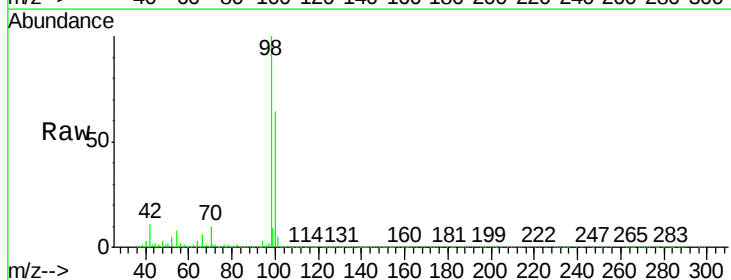
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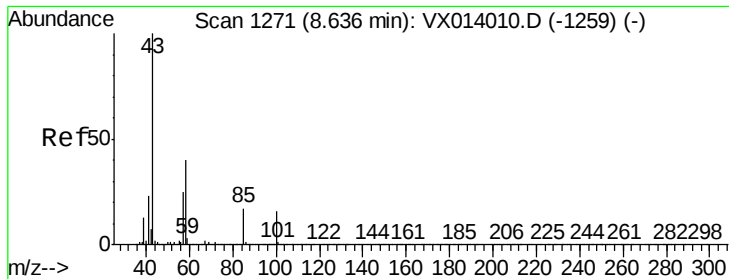
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#50
Toluene-d8
Concen: 53.451 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 271.576 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2691687

Ion Ratio Lower Upper

43 100

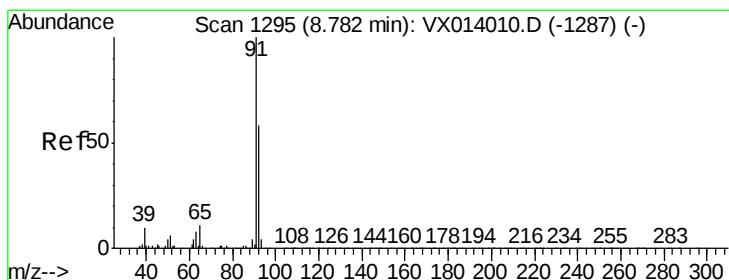
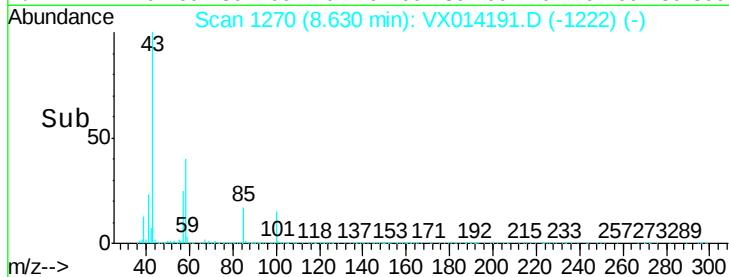
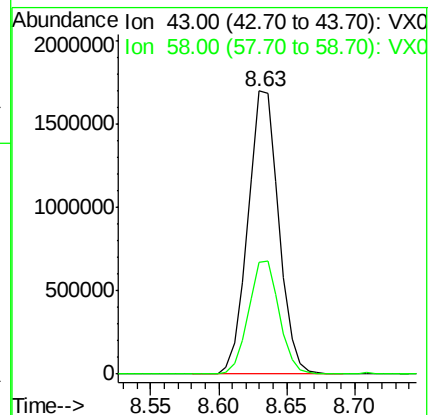
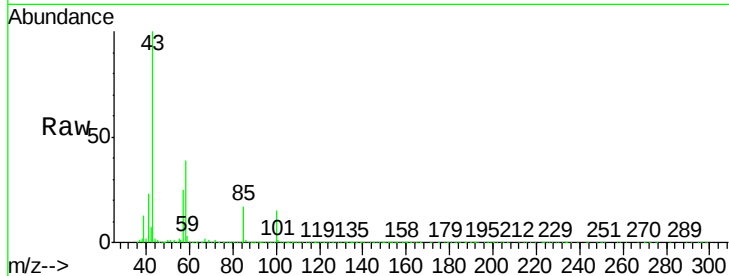
58 40.0 32.2 48.2

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#52

Toluene

Concen: 53.285 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014191.D

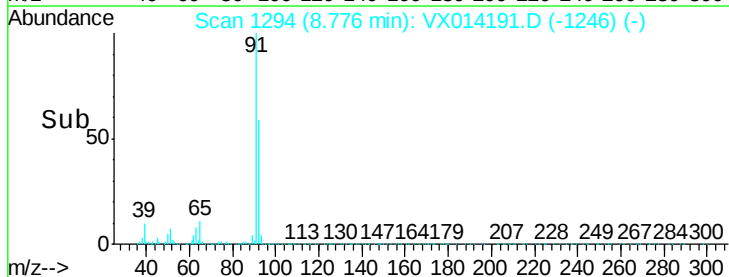
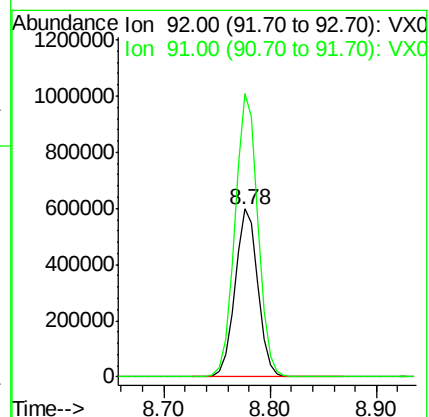
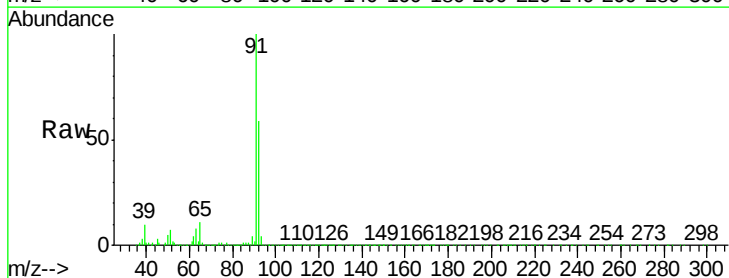
Acq: 23 Dec 2019 10:18

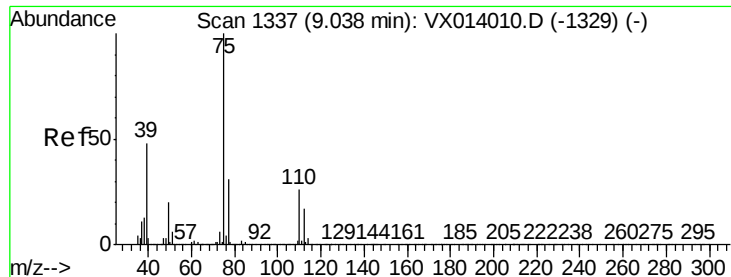
Tgt Ion: 92 Resp: 894905

Ion Ratio Lower Upper

92 100

91 169.9 136.2 204.4





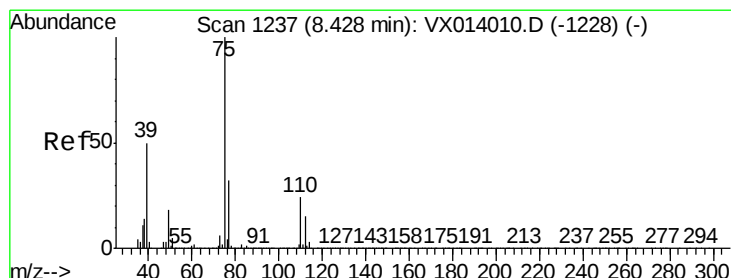
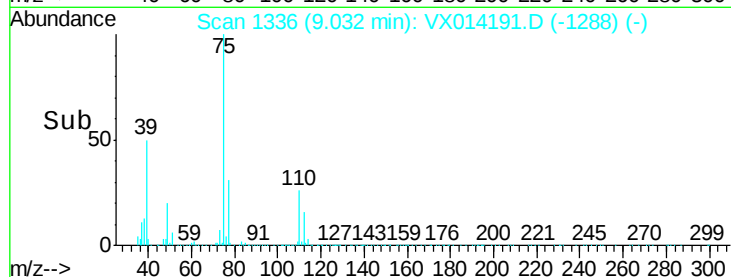
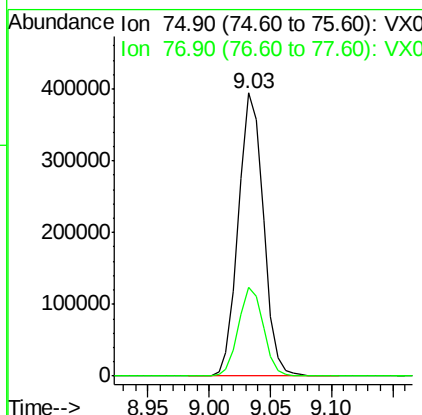
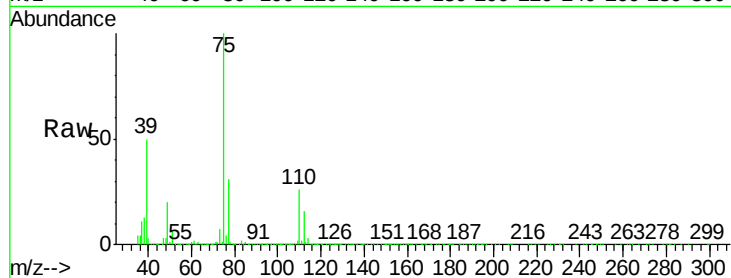
#53
t-1,3-Dichloropropene
Concen: 59.916 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7

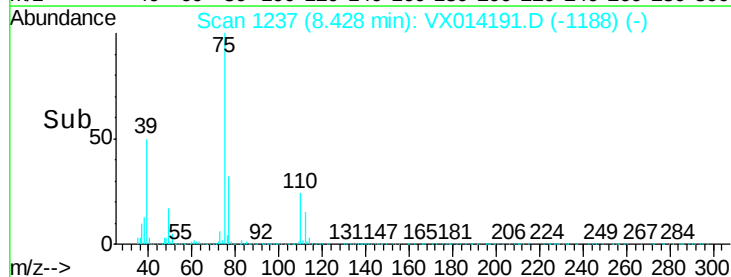
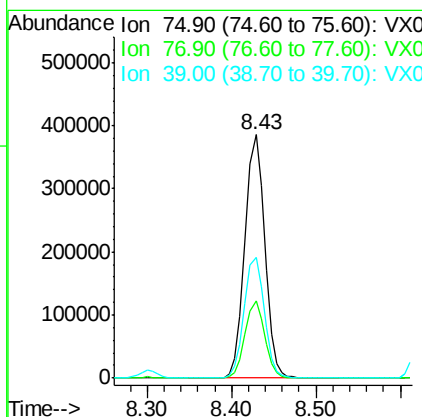
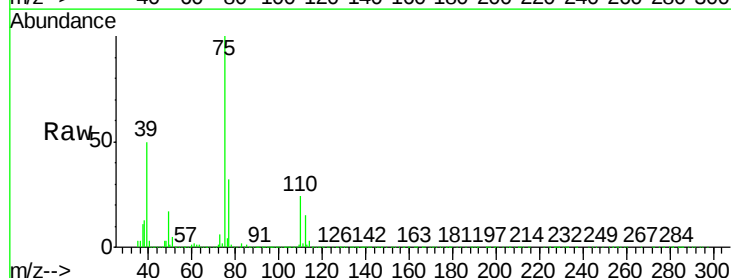
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#54
cis-1,3-Dichloropropene
Concen: 58.773 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	49.5	39.9	59.9





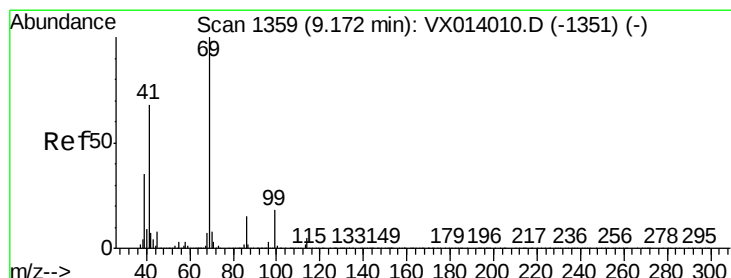
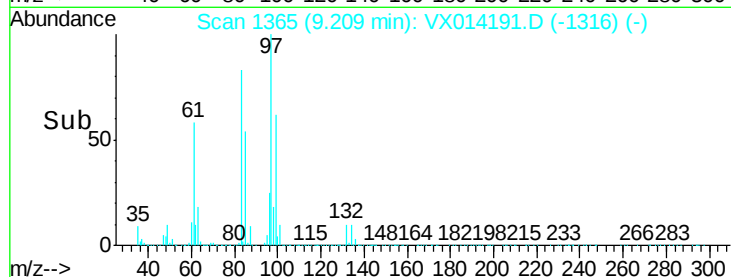
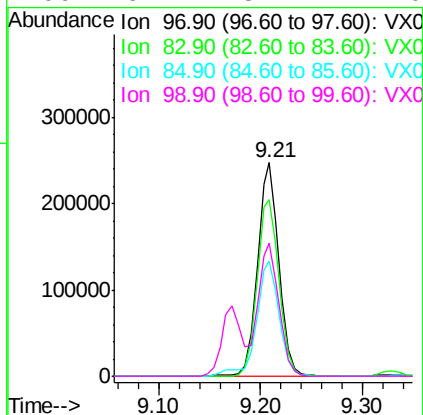
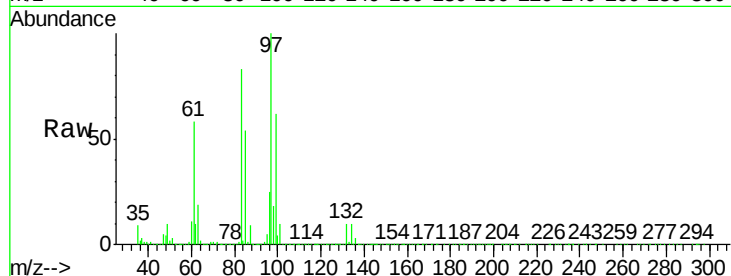
#55
 1,1,2-Trichloroethane
 Concen: 53.529 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014191.D
 Acq: 23 Dec 2019 10:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		360311		
83	82.6	68.2	102.4		
85	53.9	44.6	66.8		
99	62.1	51.4	77.0		

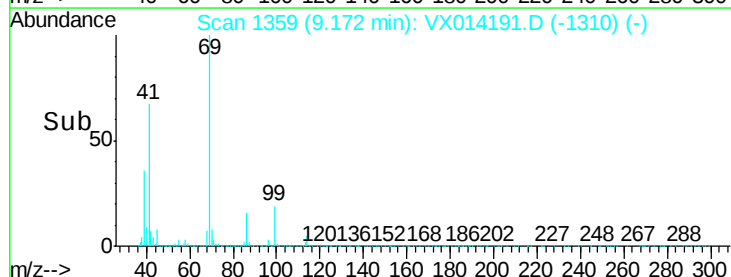
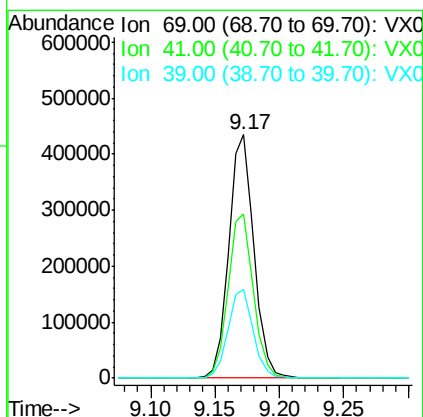
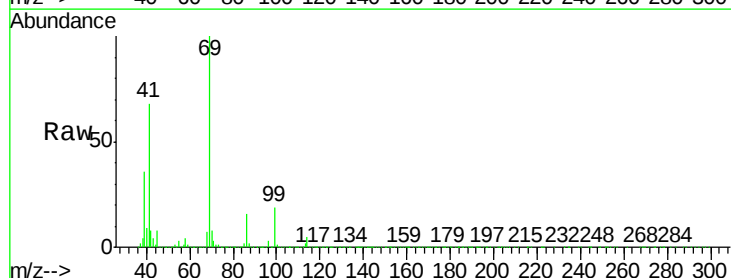
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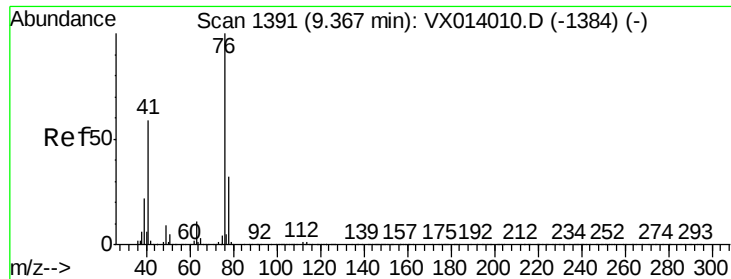
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#56
 Ethyl methacrylate
 Concen: 56.014 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014191.D
 Acq: 23 Dec 2019 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		592265		
41	68.0	54.8	82.2		
39	36.4	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 54.095 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 612626

Ion Ratio Lower Upper

76 100

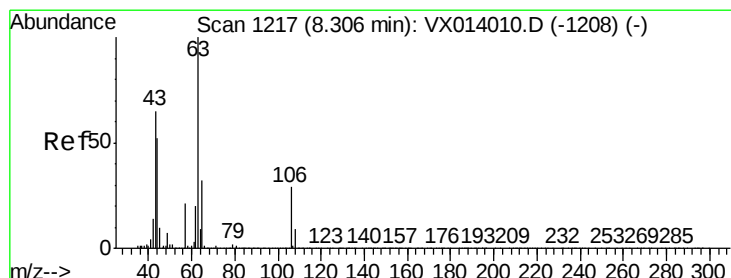
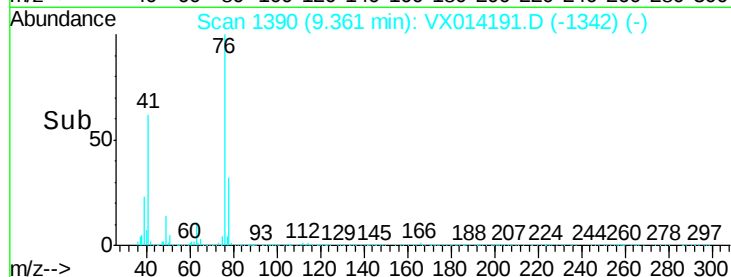
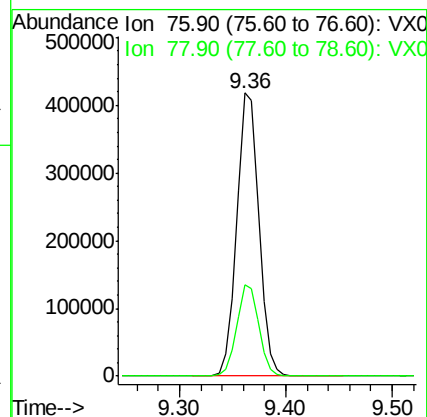
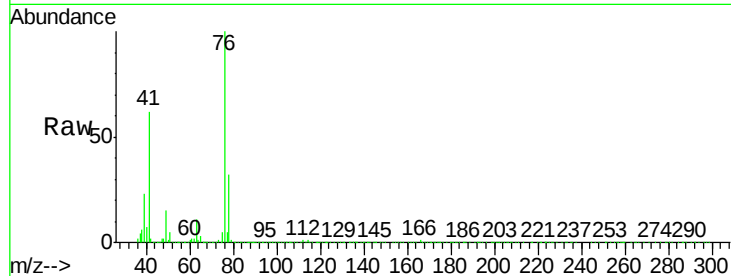
78 32.0 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 238.164 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014191.D

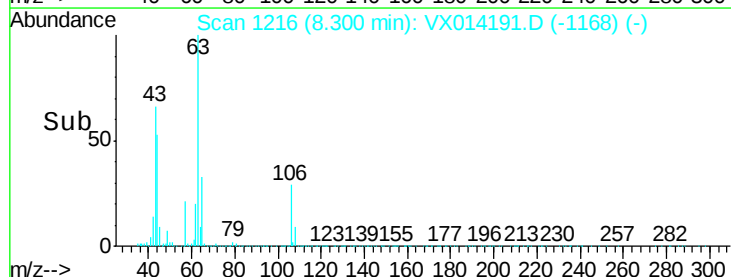
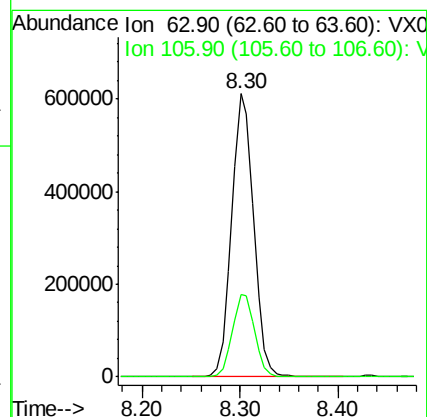
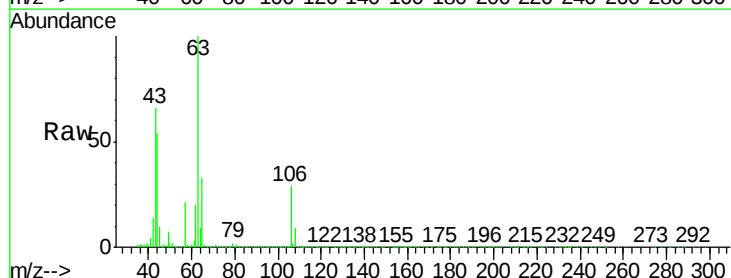
Acq: 23 Dec 2019 10:18

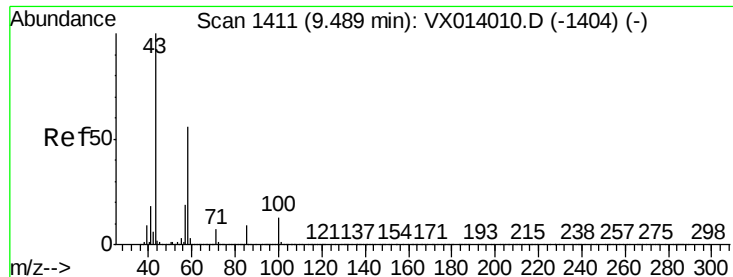
Tgt Ion: 63 Resp: 952984

Ion Ratio Lower Upper

63 100

106 29.4 23.0 34.6





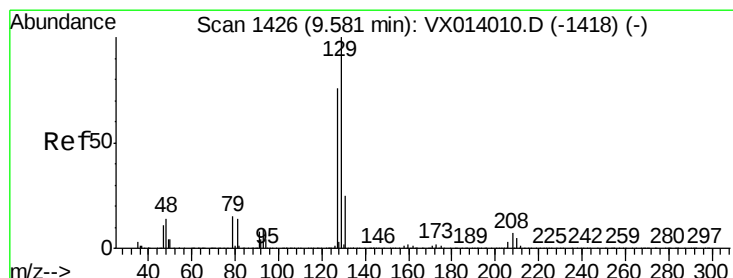
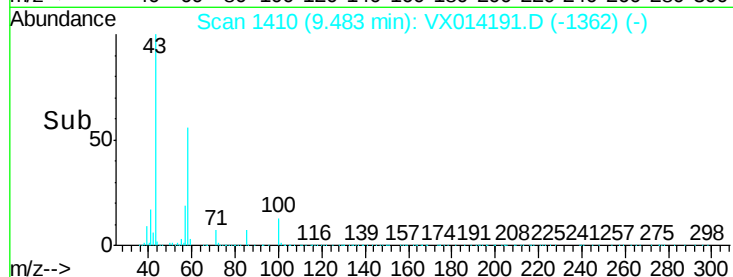
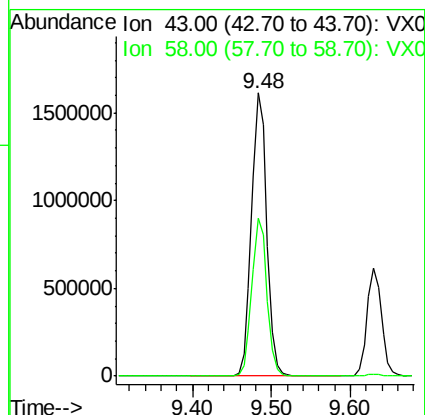
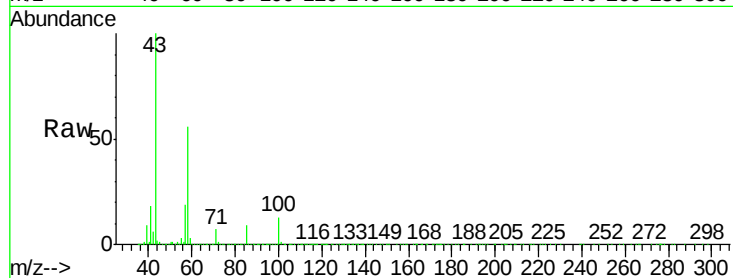
#59
2-Hexanone
Concen: 272.747 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2176156
Ion Ratio Lower Upper
43 100
58 55.4 28.0 84.0

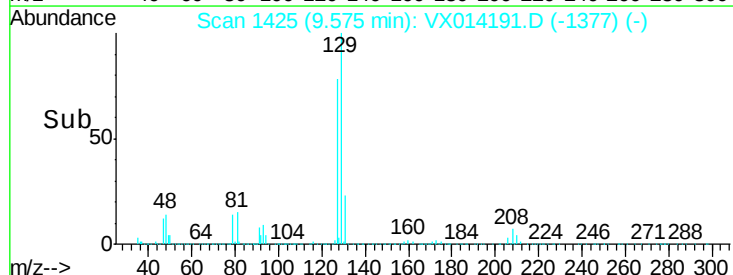
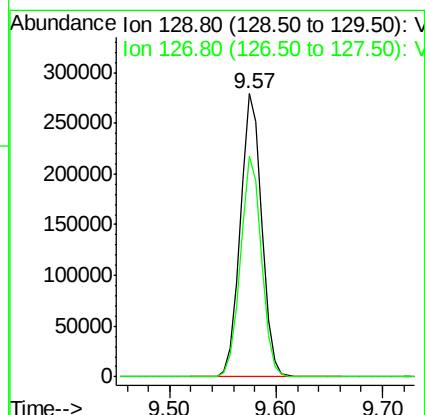
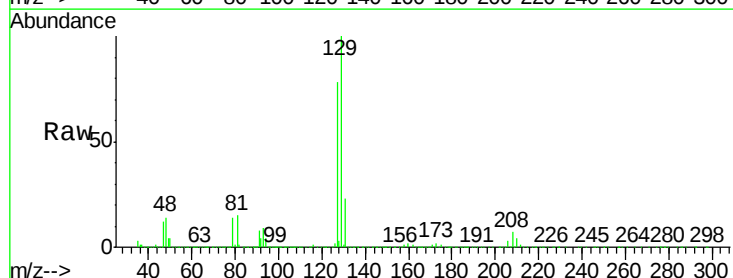
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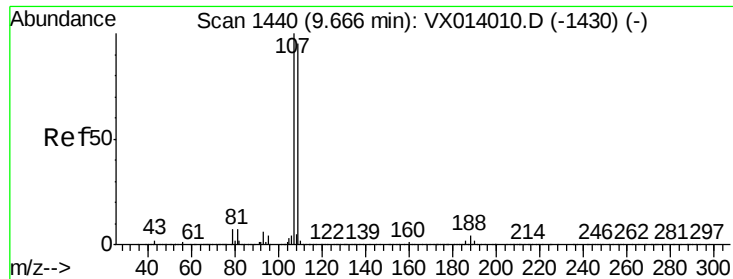
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#60
Dibromochloromethane
Concen: 59.057 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion: 129 Resp: 395138
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 55.298 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 380839

Ion Ratio Lower Upper

107 100

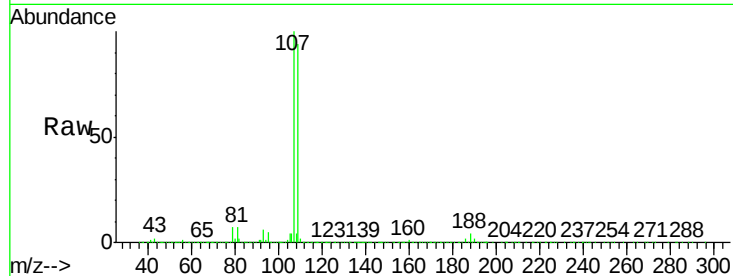
109 94.0 75.7 113.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

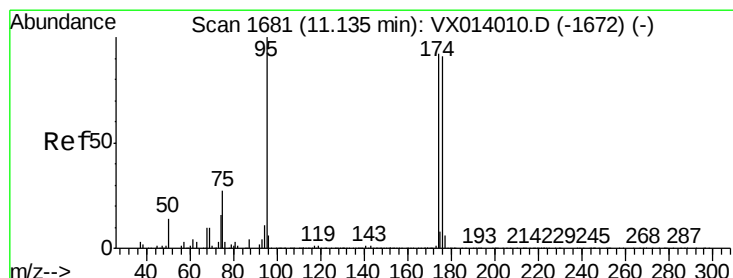
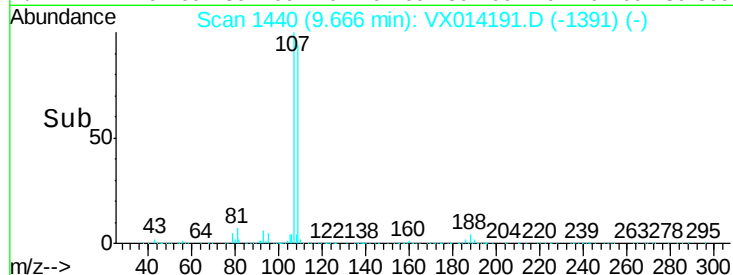
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.208 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

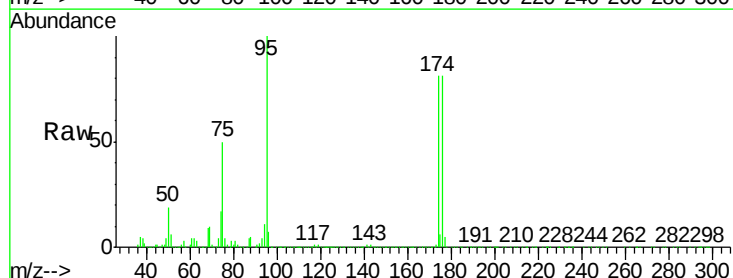
Tgt Ion: 95 Resp: 433230

Ion Ratio Lower Upper

95 100

174 88.9 0.0 175.8

176 86.8 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

400000

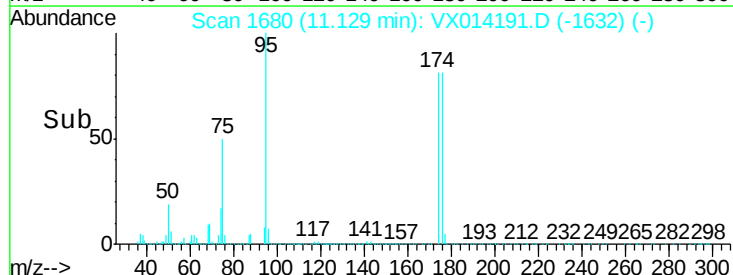
300000

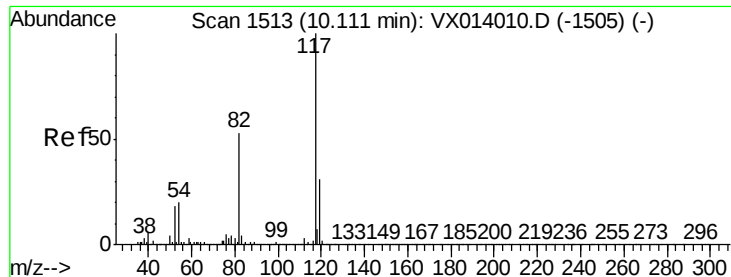
200000

100000

0

Time-->





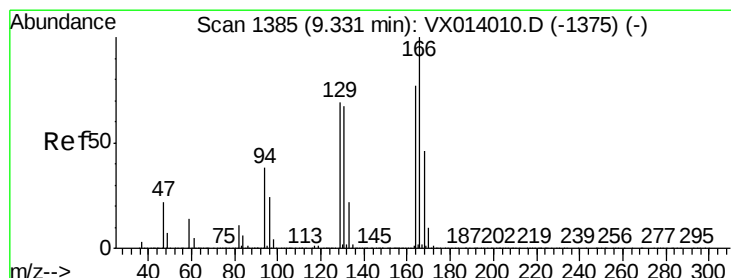
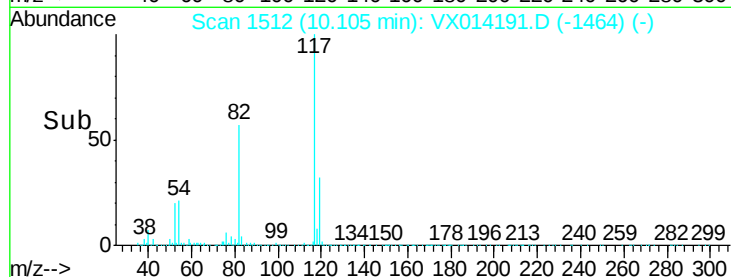
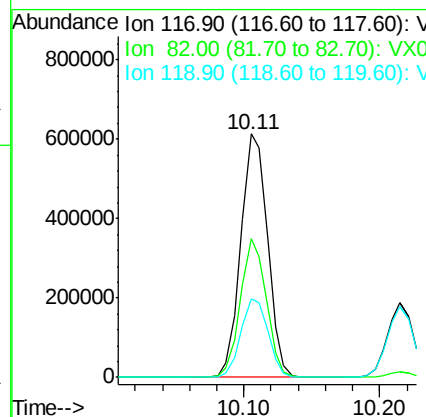
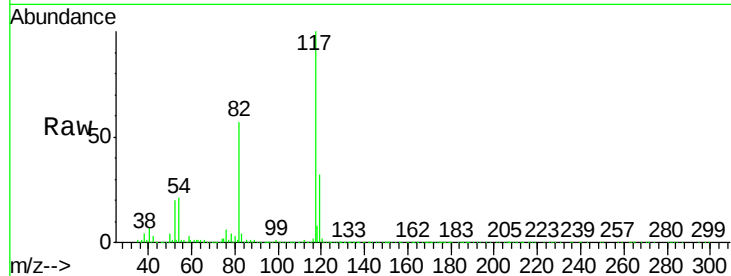
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	843325		
82	57.0		42.2	63.4
119	32.2		25.1	37.7

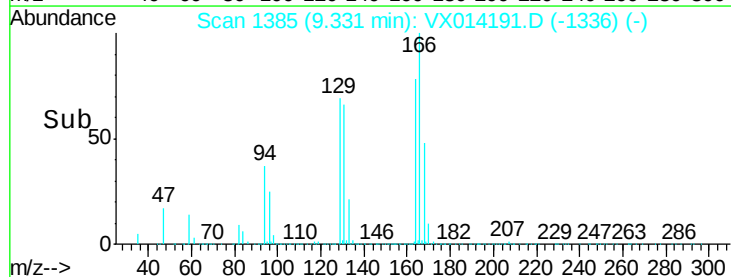
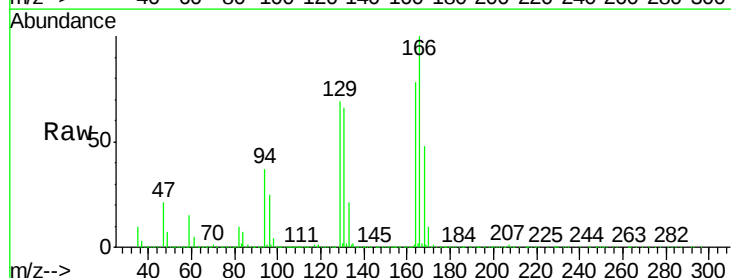
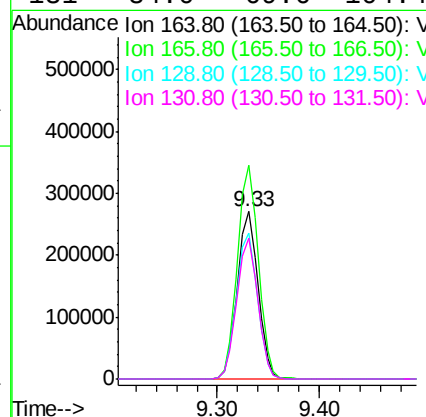
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#64
Tetrachloroethene
Concen: 50.872 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	379630		
166	127.5		104.0	156.0
129	87.4		72.2	108.4
131	84.0		69.6	104.4





#65

Chlorobenzene

Concen: 54.187 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 971633

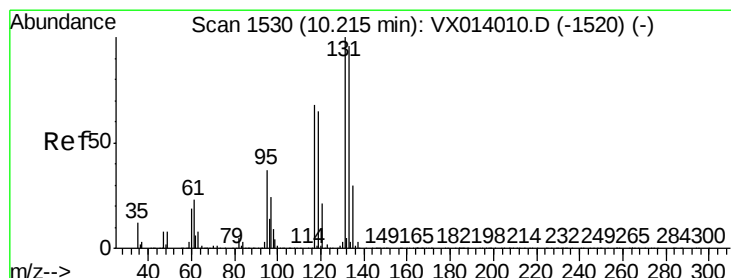
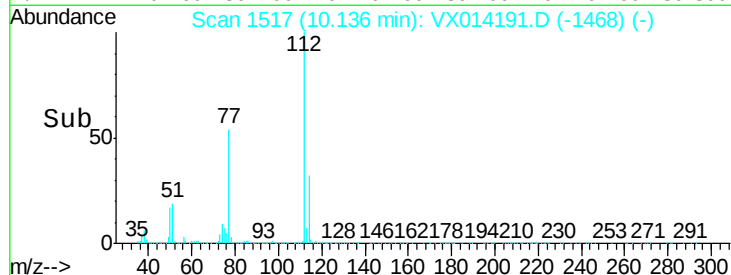
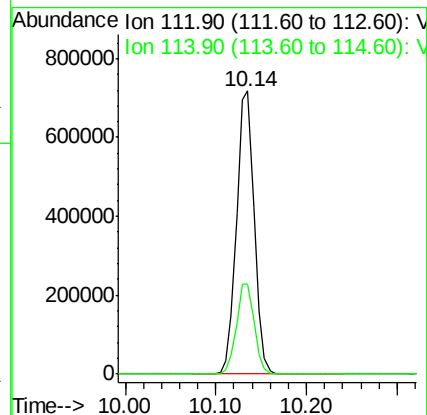
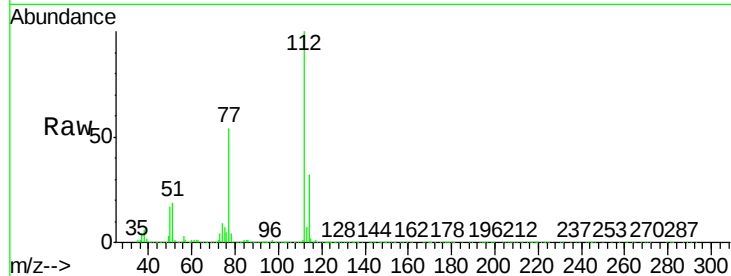
Ion Ratio Lower Upper

112 100

114 32.0 24.9 37.3

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#66

1,1,1,2-Tetrachloroethane

Concen: 56.152 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

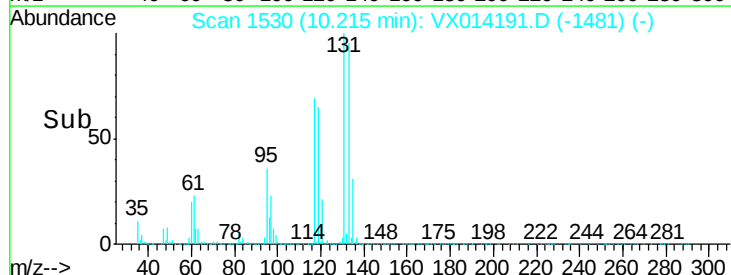
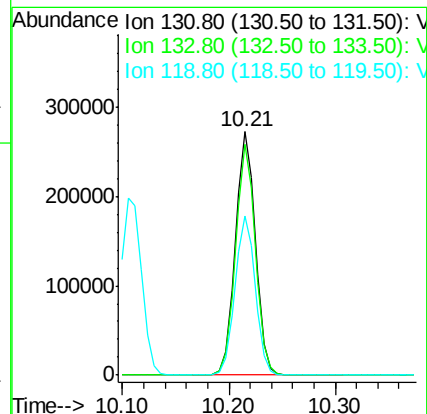
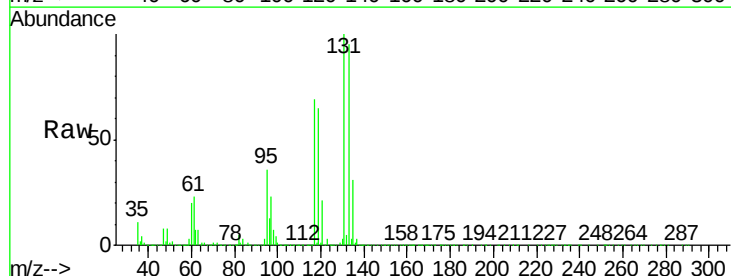
Tgt Ion:131 Resp: 359507

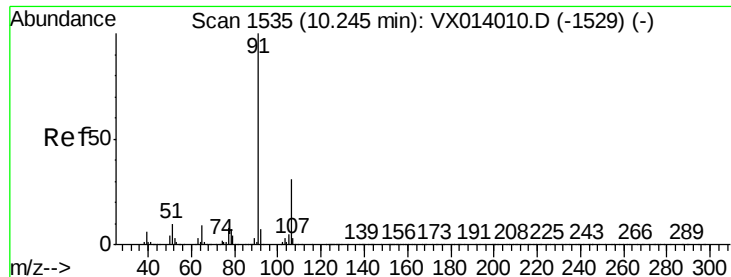
Ion Ratio Lower Upper

131 100

133 94.0 48.0 144.0

119 66.1 33.4 100.2





#67

Ethyl Benzene

Concen: 55.850 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1721722

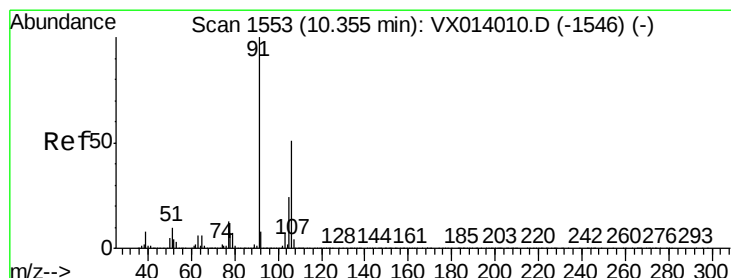
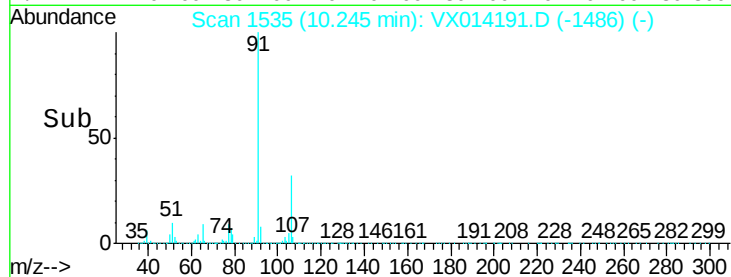
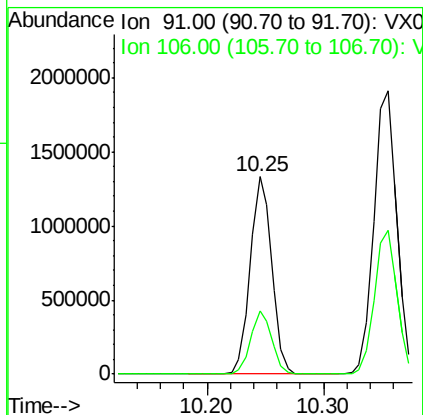
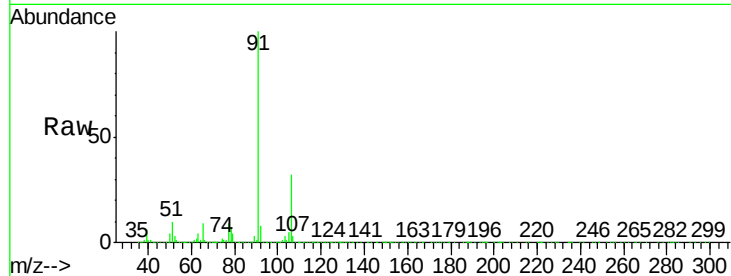
Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.6

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#68

m/p-Xylenes

Concen: 111.047 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014191.D

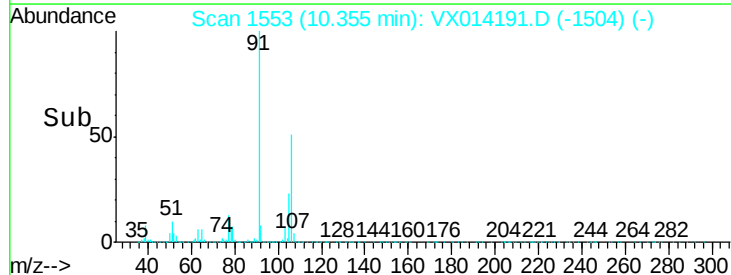
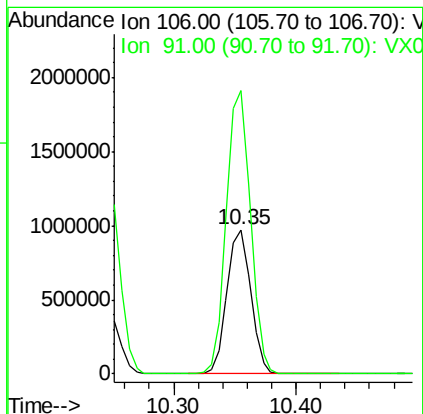
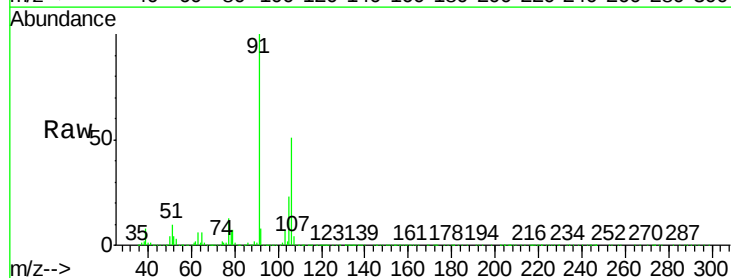
Acq: 23 Dec 2019 10:18

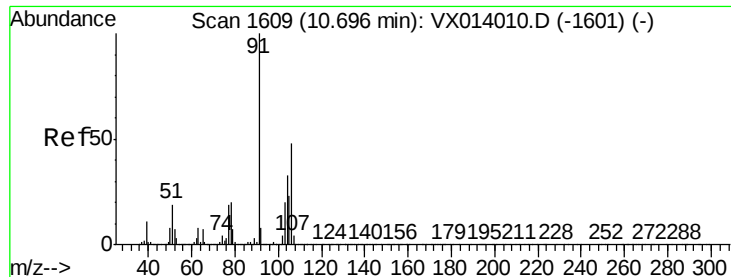
Tgt Ion: 106 Resp: 1316659

Ion Ratio Lower Upper

106 100

91 198.5 158.6 238.0





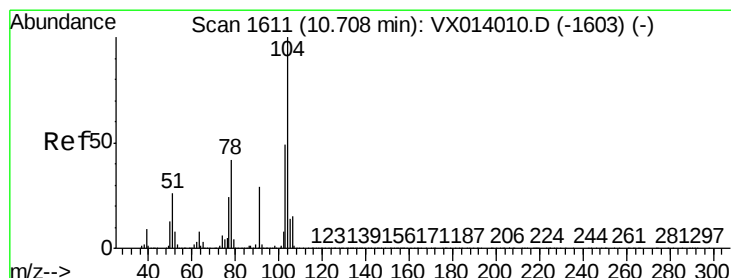
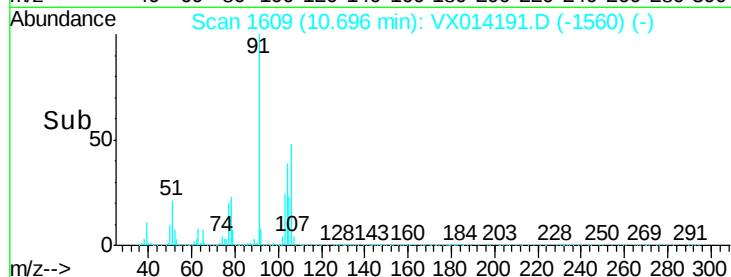
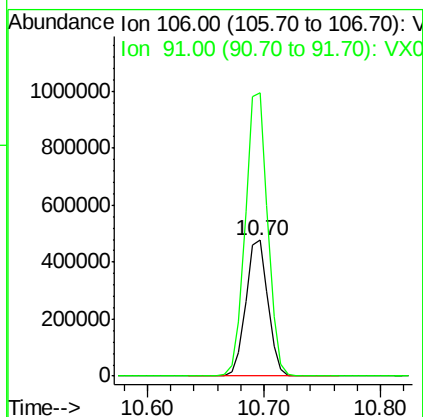
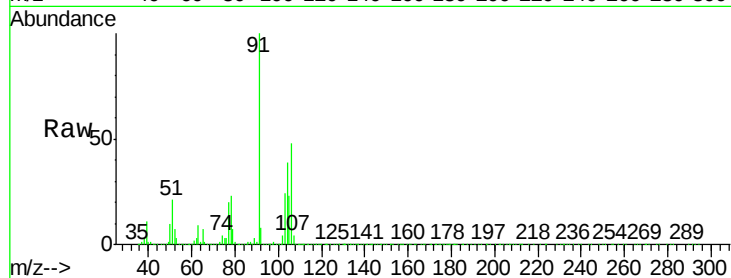
#69
o-Xylene
Concen: 54.596 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.0	104.2	312.6

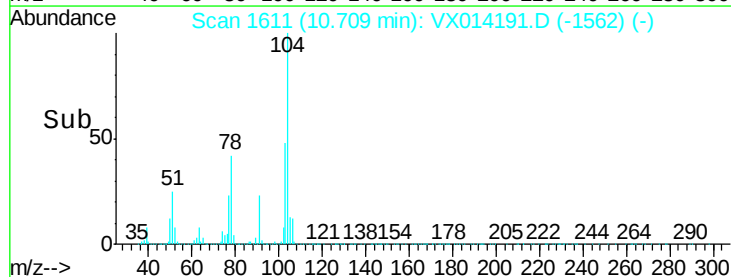
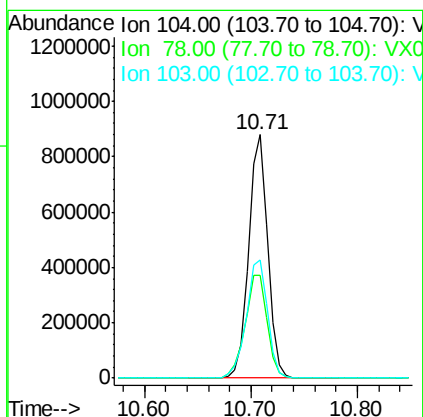
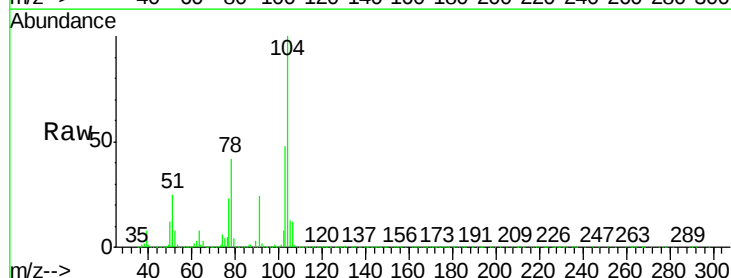
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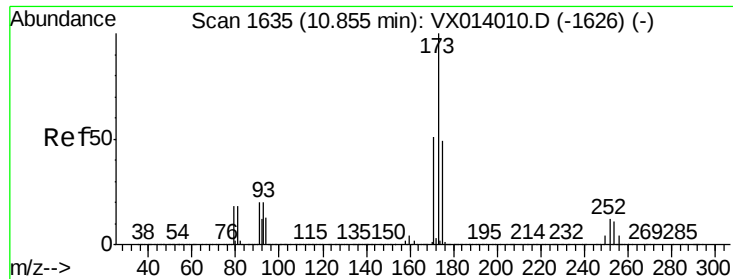
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#70
Styrene
Concen: 56.213 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	38.5	57.7
103	54.4	42.9	64.3





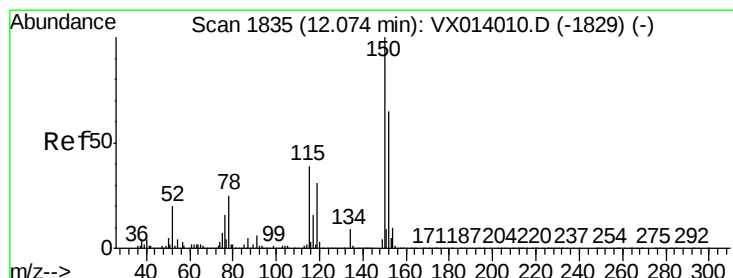
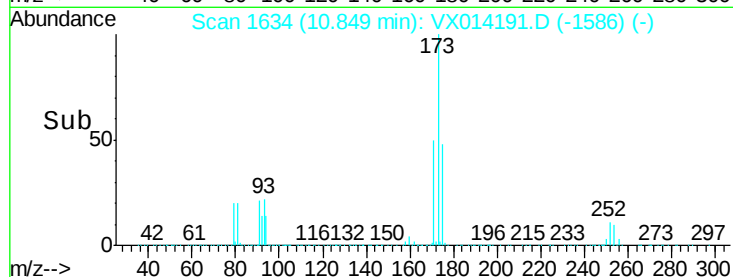
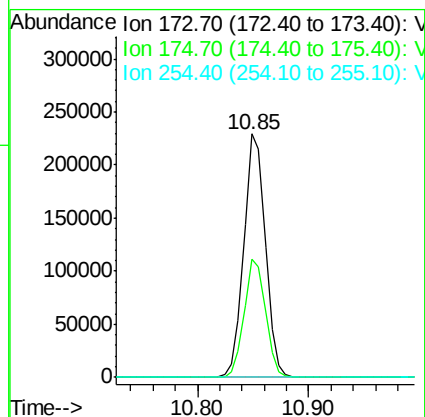
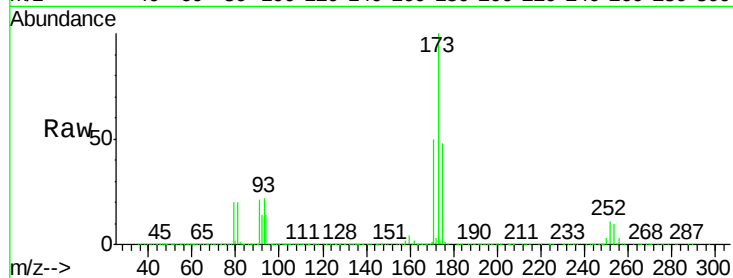
#71
Bromoform
Concen: 59.808 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.4
254	0.3	0.2	0.2#

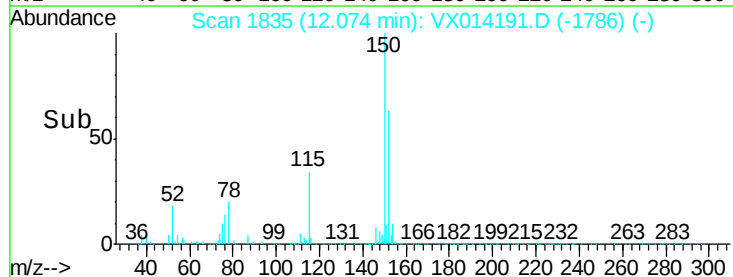
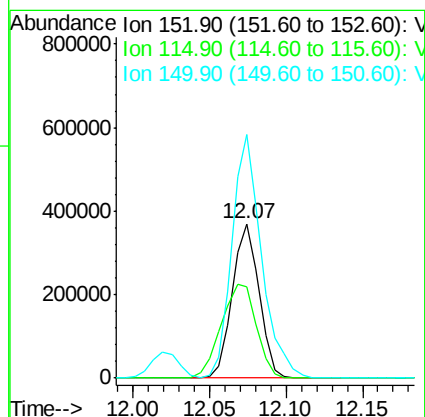
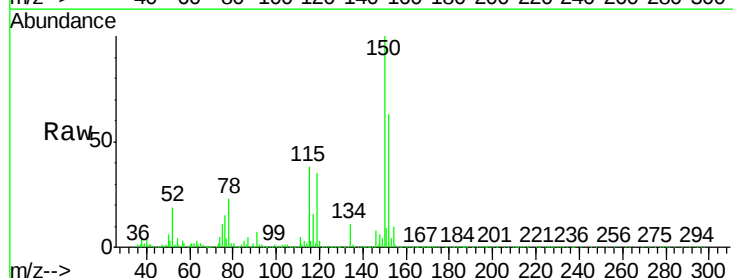
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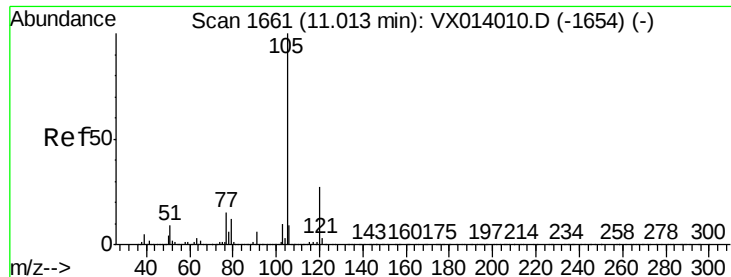
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.5	38.3	114.9
150	174.3	0.0	345.4





#73

Isopropylbenzene

Concen: 53.818 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1693205

Ion Ratio Lower Upper

105 100

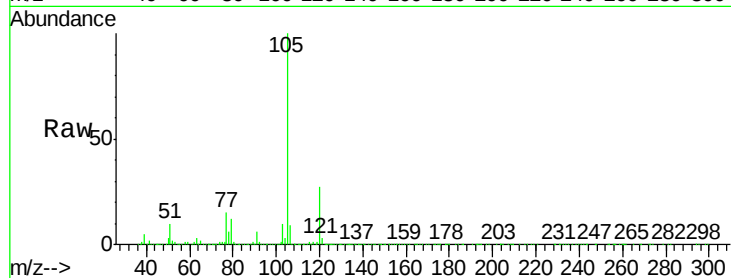
120 27.2 13.5 40.4

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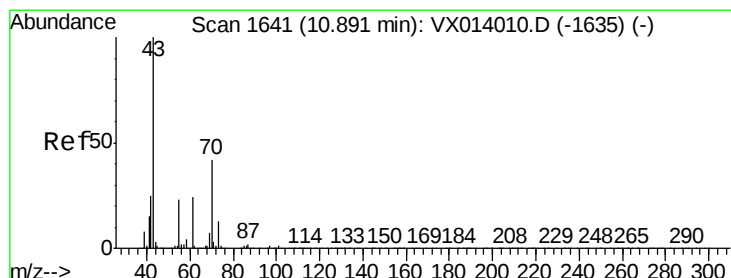
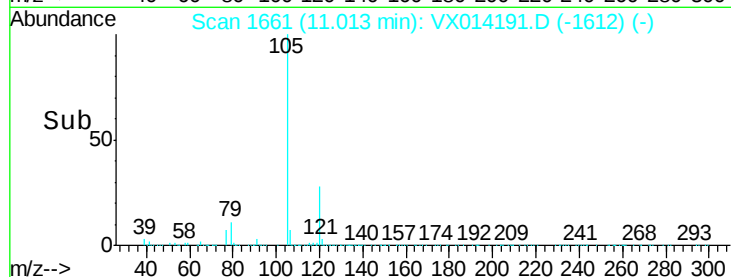
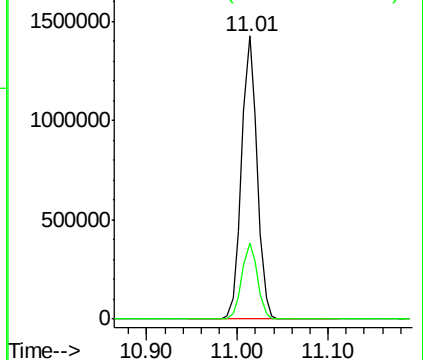
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.637 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion: 43 Resp: 790997

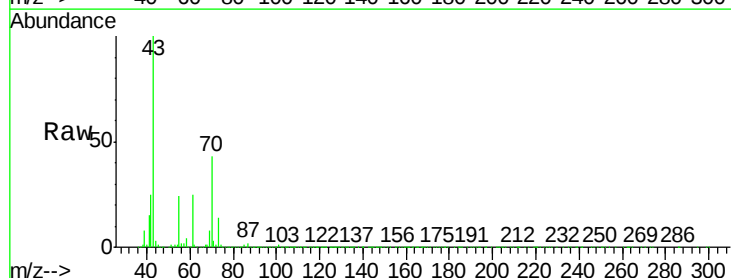
Ion Ratio Lower Upper

43 100

70 42.7 34.4 51.6

55 24.0 19.1 28.7

61 24.7 19.7 29.5

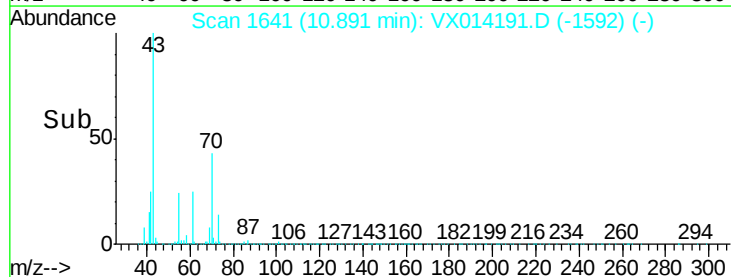
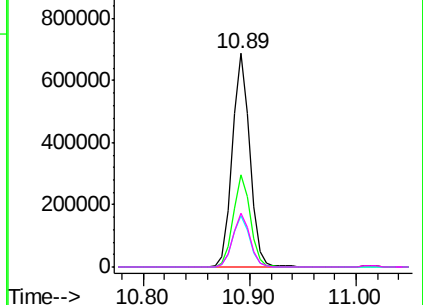


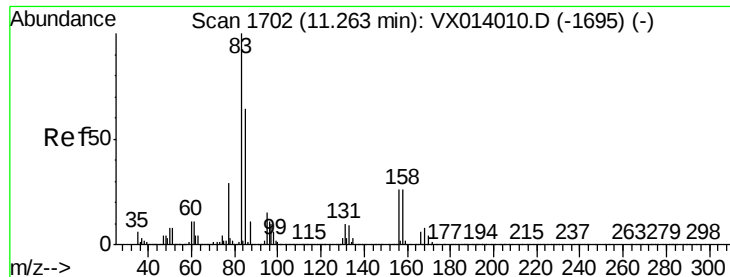
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.137 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

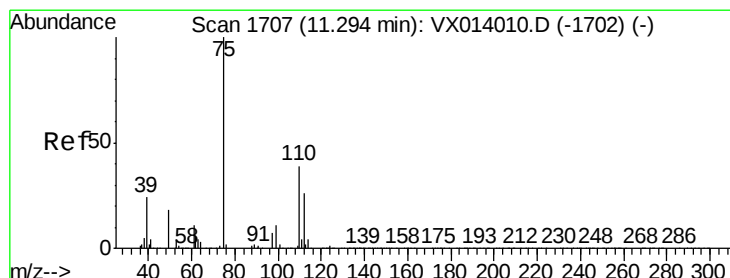
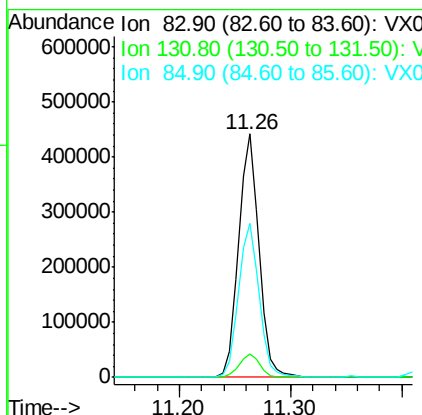
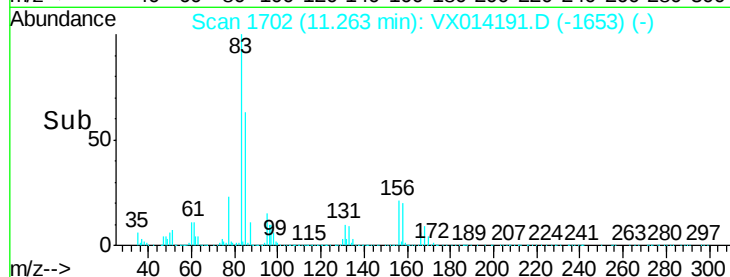
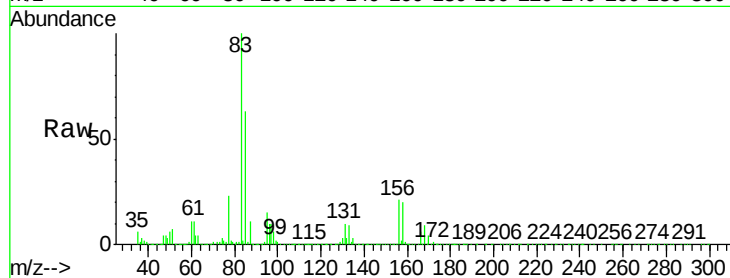
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	557770
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	64.4	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 47.418 ug/l m

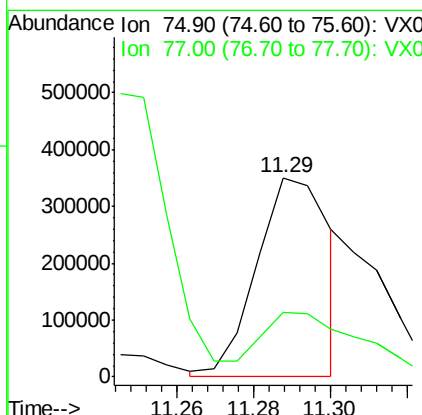
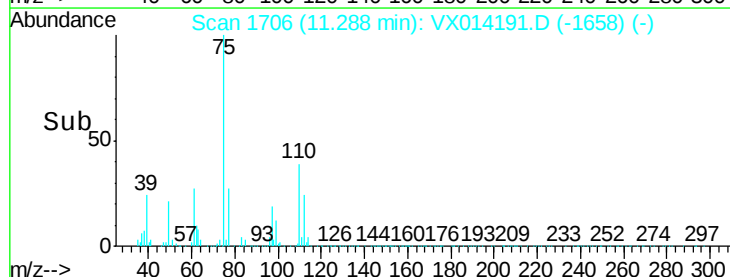
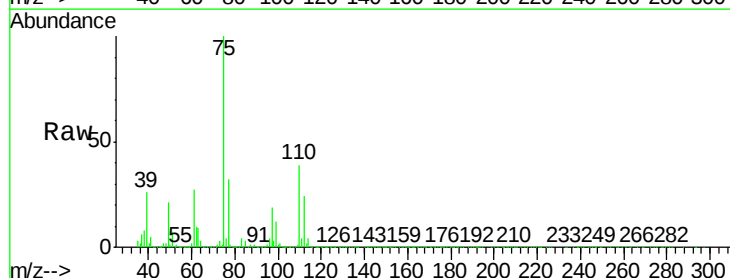
RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	75	Resp:	459999
Ion Ratio	Lower	Upper	
75	100		
77	43.7	19.3	57.8





#77

Bromobenzene

Concen: 51.060 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

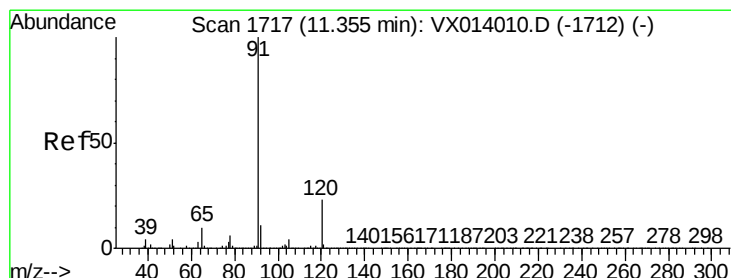
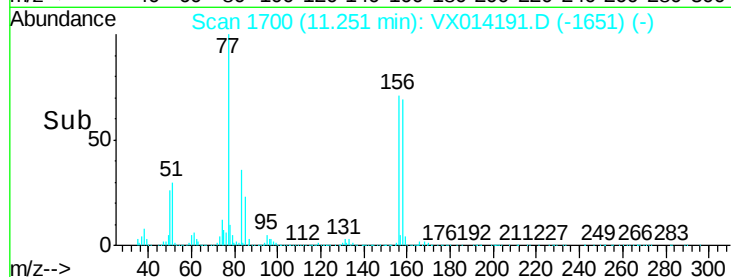
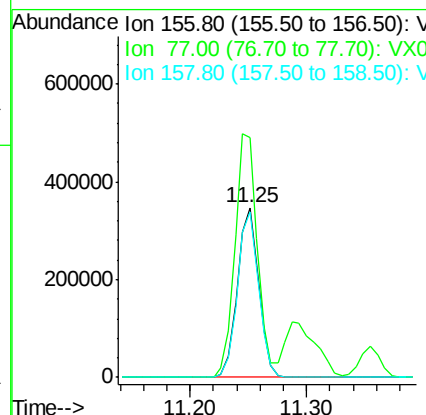
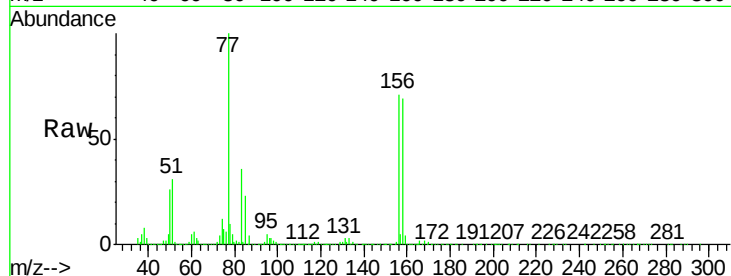
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		441983		
77	152.4		76.5	229.5	
158	97.6		49.3	147.9	

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#78

n-propylbenzene

Concen: 55.884 ug/l

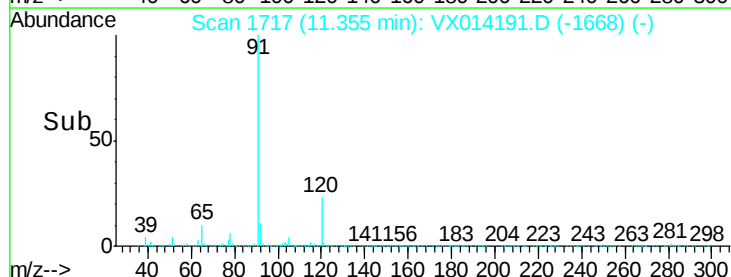
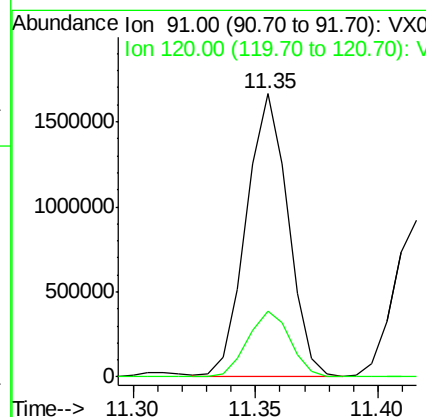
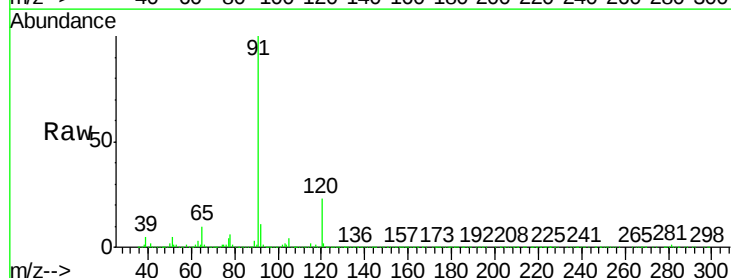
RT: 11.35 min Scan# 1717

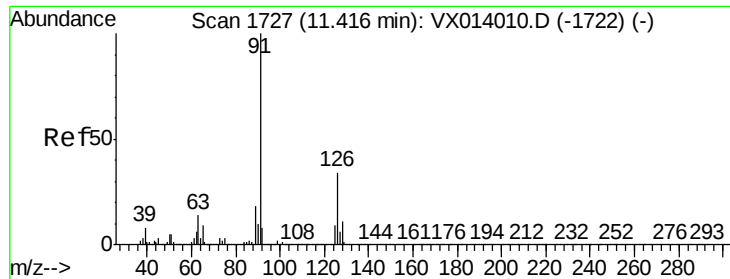
Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1972146		
120	23.6		11.7	35.0	





#79

2-Chlorotoluene

Concen: 52.726 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1131073

Ion Ratio Lower Upper

91 100

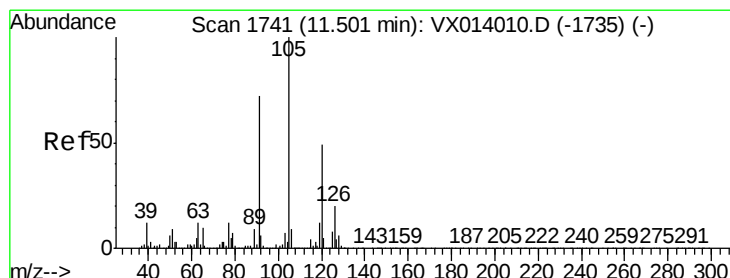
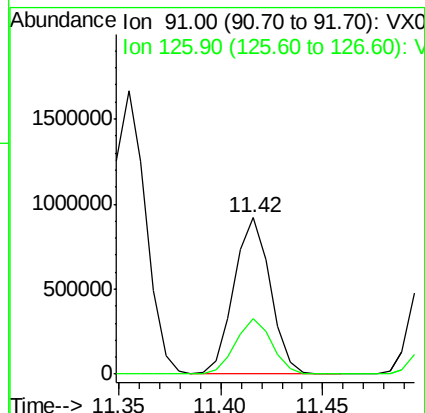
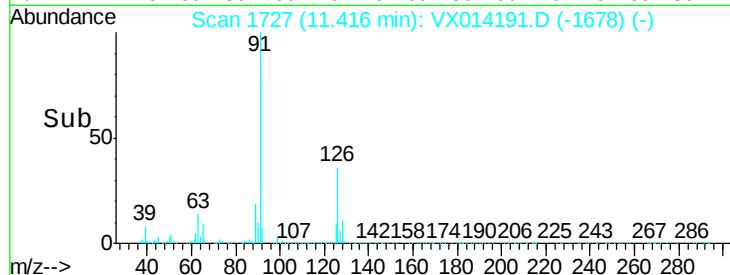
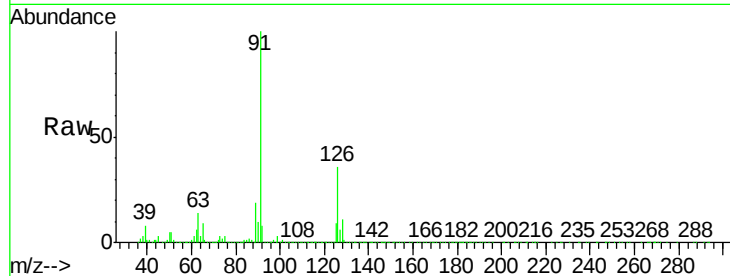
126 35.4 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.373 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014191.D

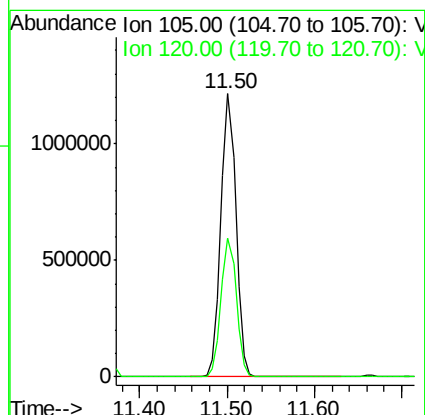
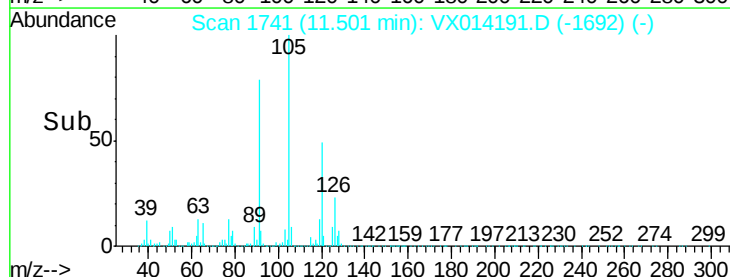
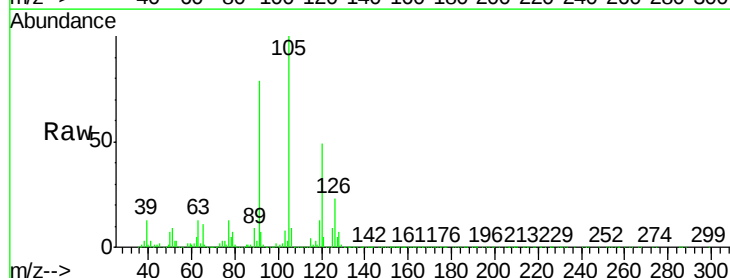
Acq: 23 Dec 2019 10:18

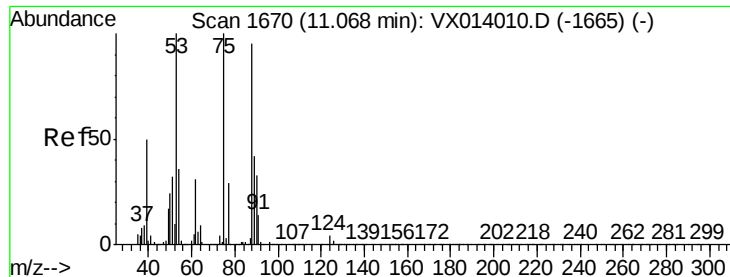
Tgt Ion: 105 Resp: 1439709

Ion Ratio Lower Upper

105 100

120 49.8 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 59.824 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

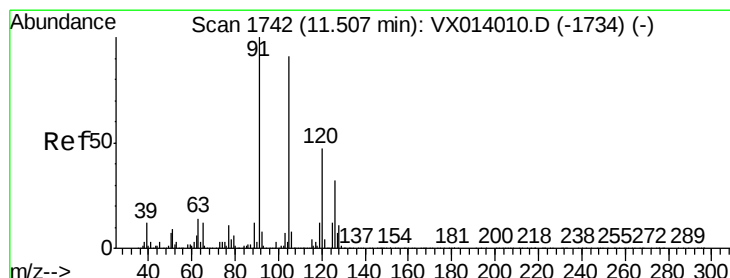
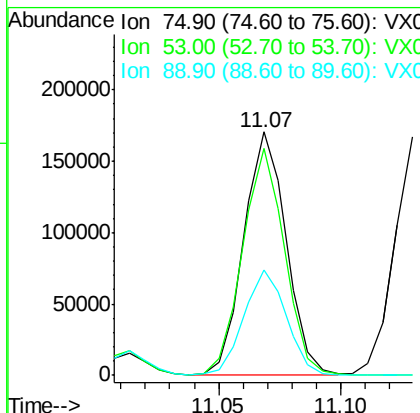
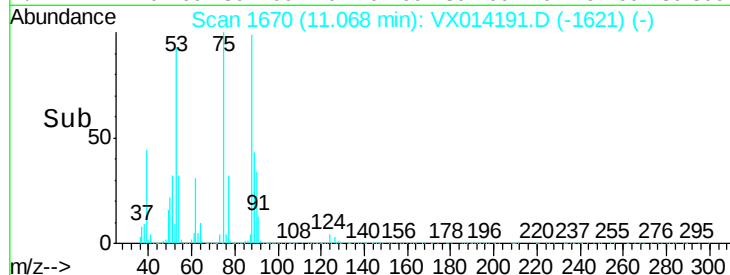
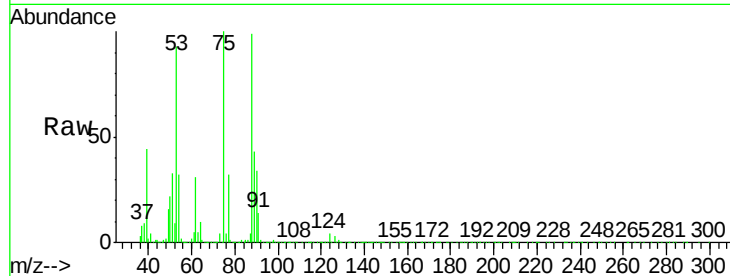
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	205616
Ion Ratio	Lower	Upper	
75	100		
53	91.9	76.7	115.1
89	44.0	34.6	51.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.808 ug/l

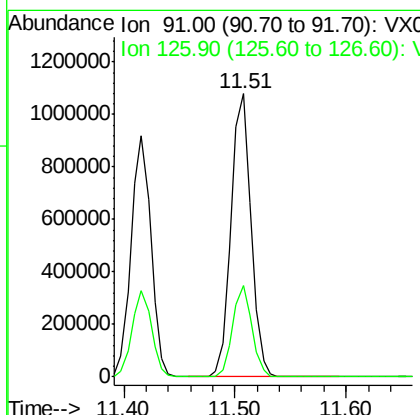
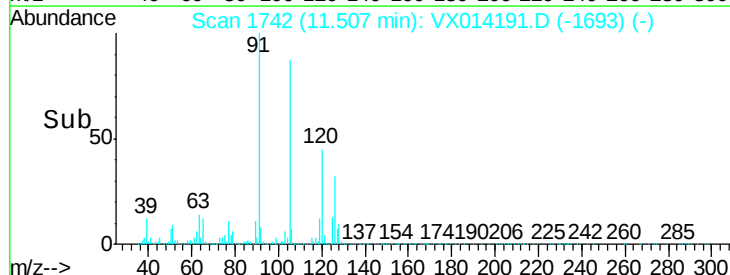
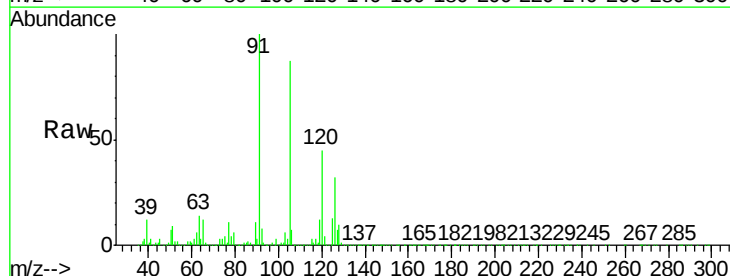
RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	91	Resp:	1338914
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.6	46.8





#83

tert-Butylbenzene

Concen: 54.698 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1409435

Ion Ratio Lower Upper

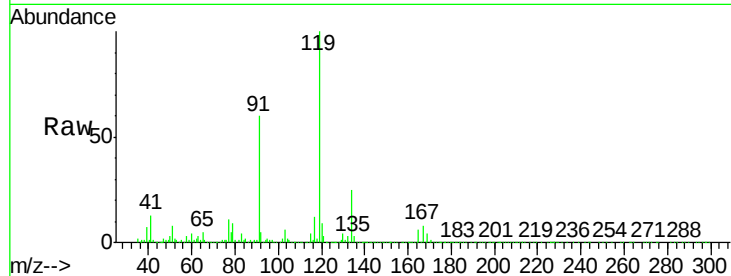
119 100

91 55.7 28.5 85.6

134 24.0 12.2 36.6

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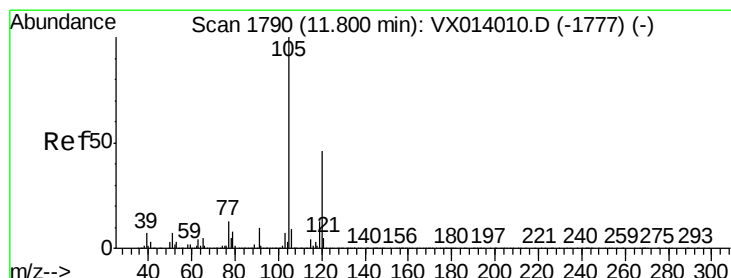
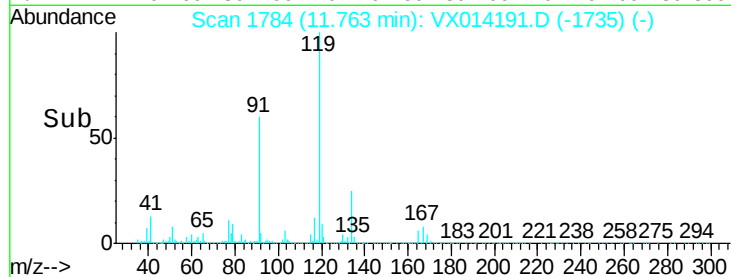
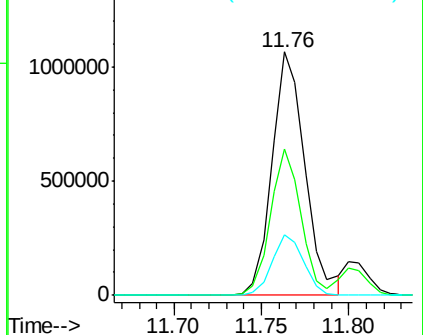
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.716 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX014191.D

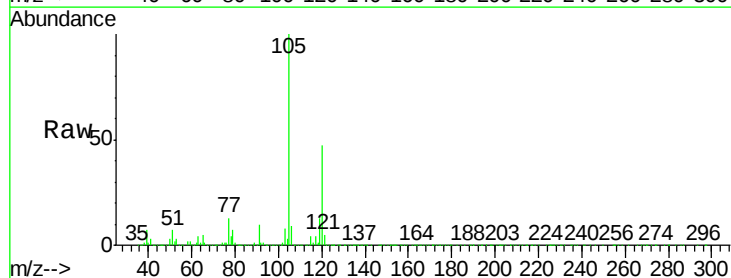
Acq: 23 Dec 2019 10:18

Tgt Ion:105 Resp: 1450867

Ion Ratio Lower Upper

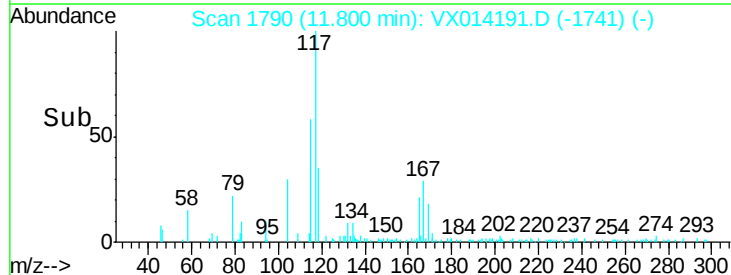
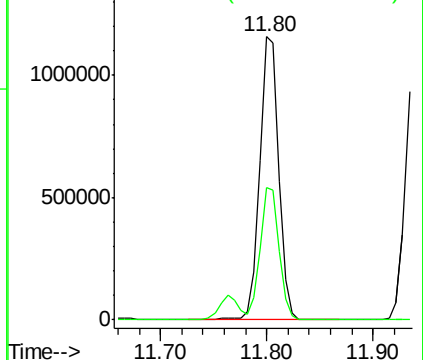
105 100

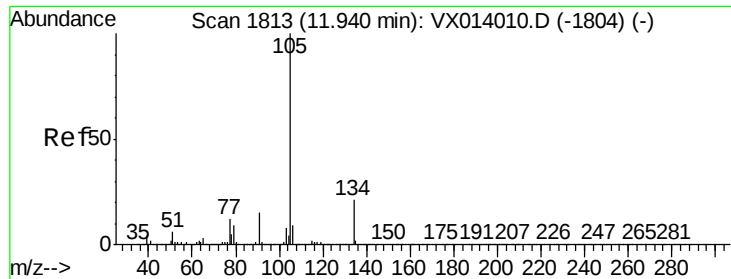
120 46.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.682 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1693826

Ion Ratio Lower Upper

105 100

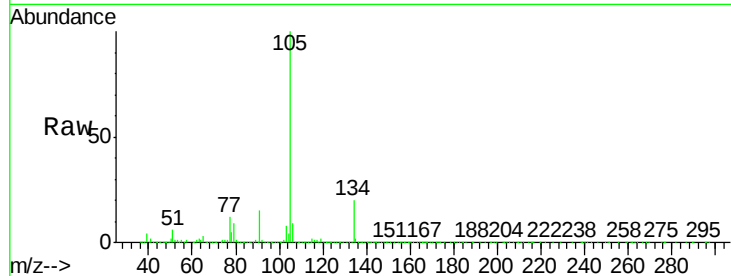
134 20.6 10.4 31.1

Manual Integrations

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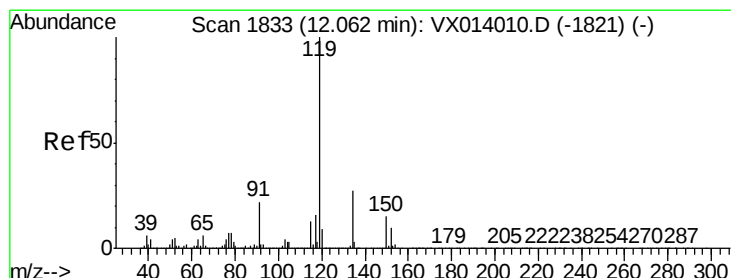
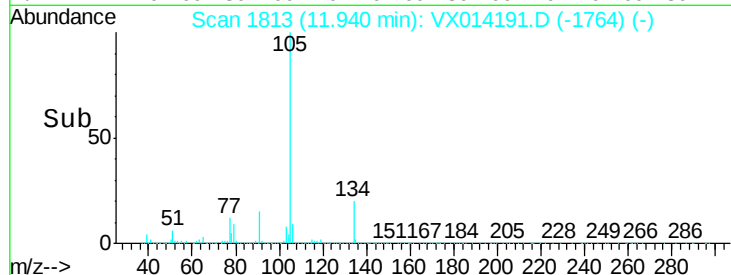
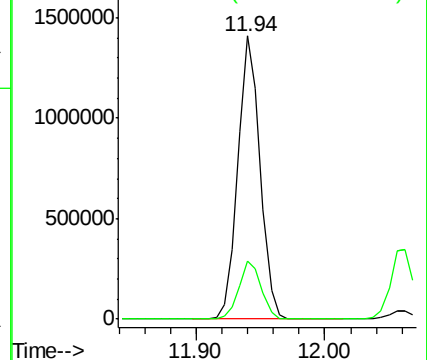
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.541 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

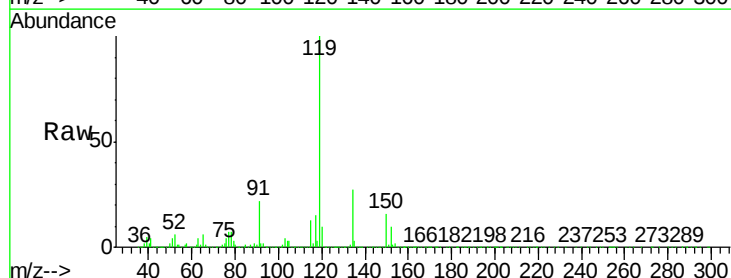
Tgt Ion:119 Resp: 1573278

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

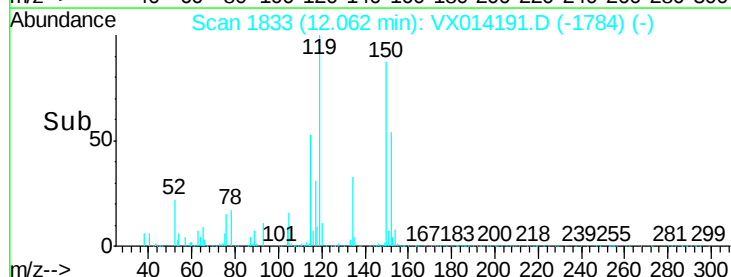
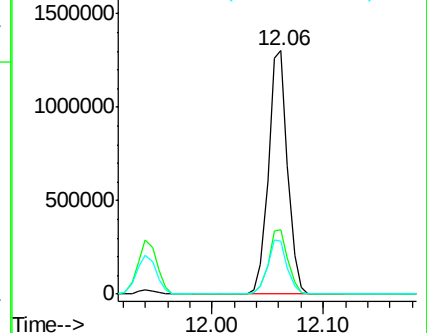
91 22.4 11.4 34.1

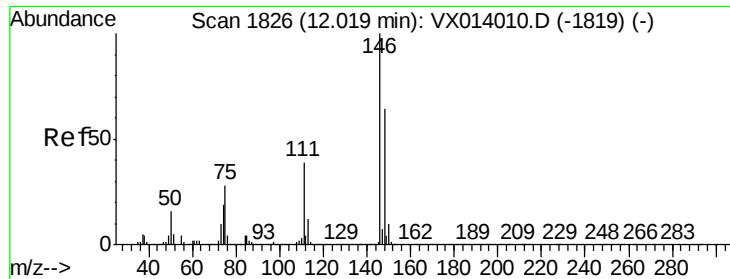


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.859 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

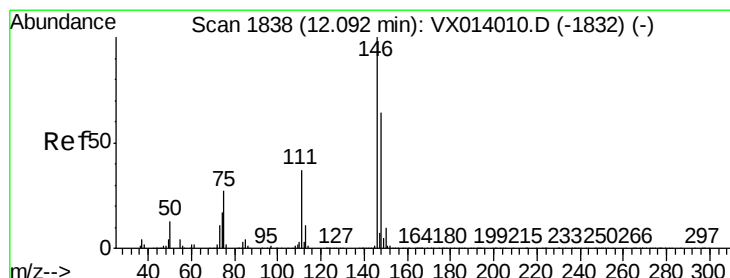
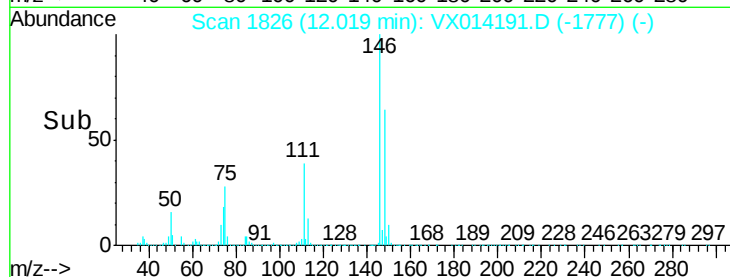
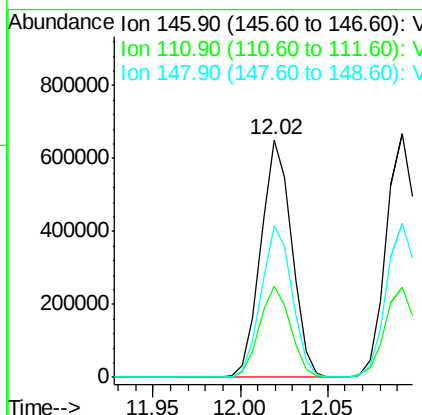
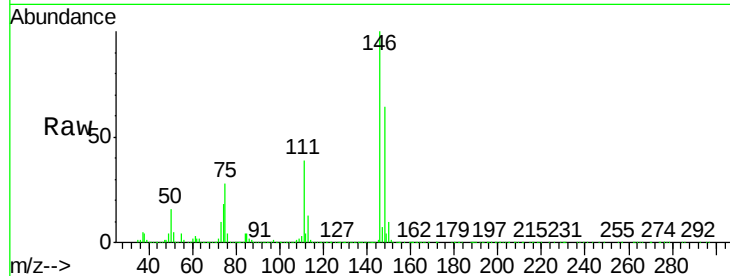
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	63.9	32.3	96.9

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#88

1,4-Dichlorobenzene

Concen: 52.457 ug/l

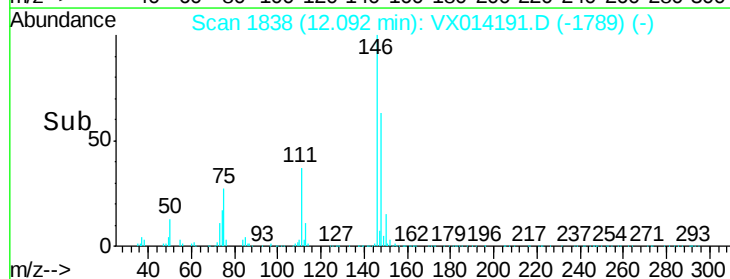
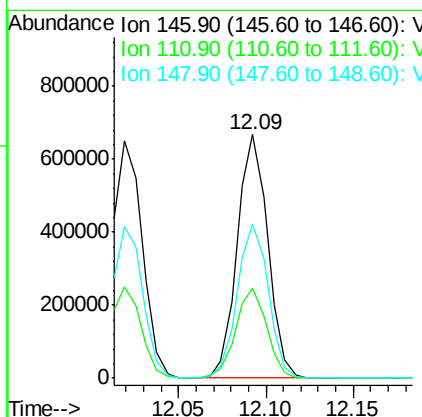
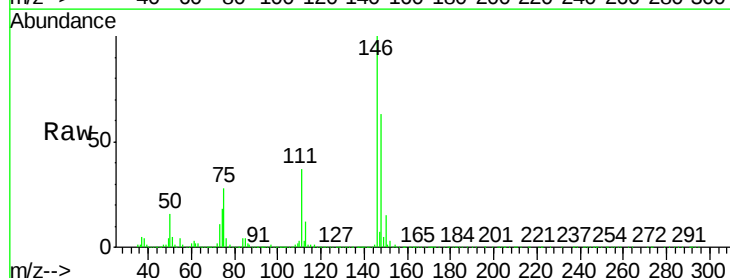
RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	64.5	31.9	95.9





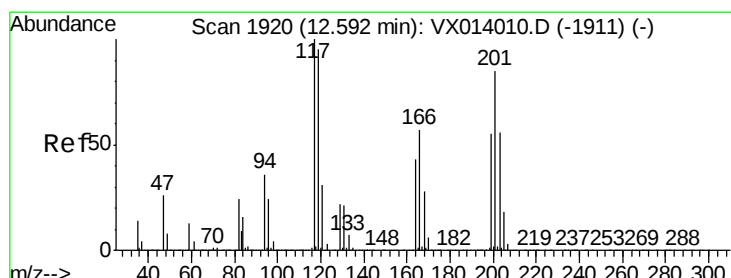
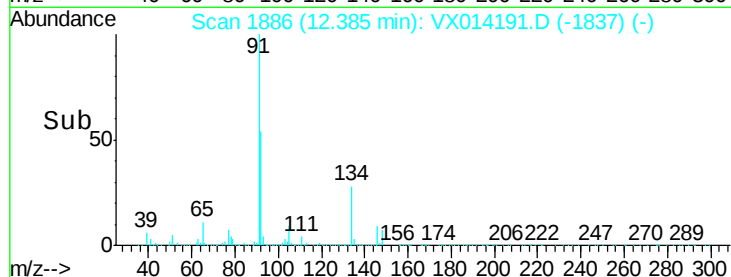
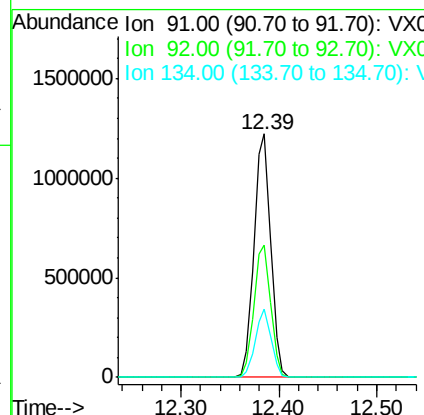
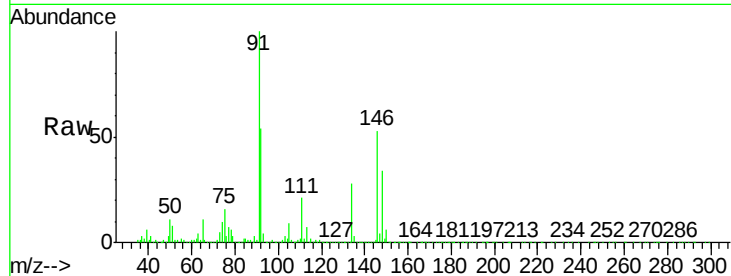
#89
n-Butylbenzene
Concen: 60.881 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1445476
Ion Ratio Lower Upper
91 100
92 54.8 27.2 81.6
134 26.9 13.4 40.1

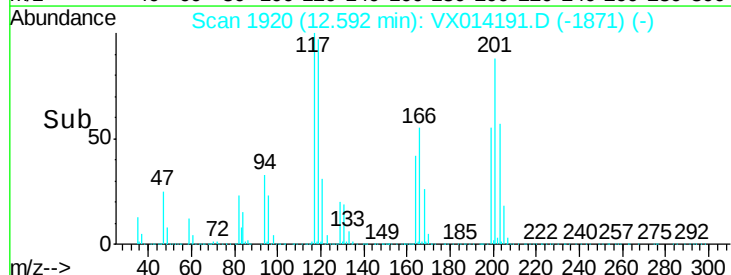
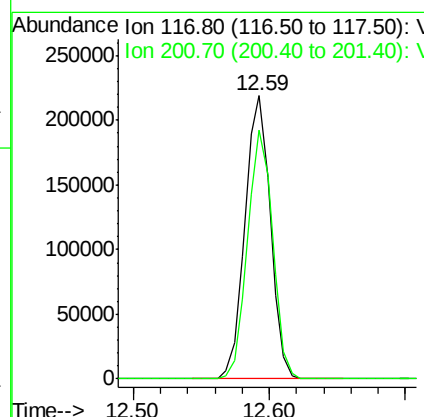
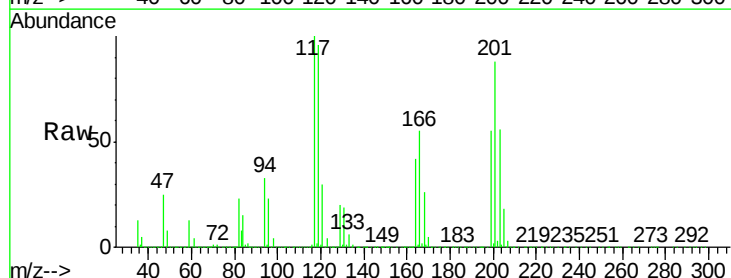
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#90
Hexachloroethane
Concen: 57.047 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014191.D
Acq: 23 Dec 2019 10:18

Tgt Ion: 117 Resp: 285118
Ion Ratio Lower Upper
117 100
201 87.2 43.1 129.3





#91

1,2-Dichlorobenzene

Concen: 51.553 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

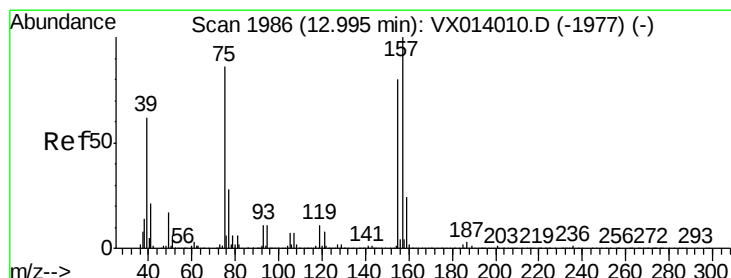
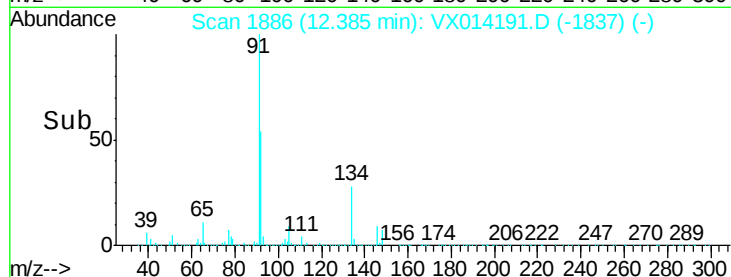
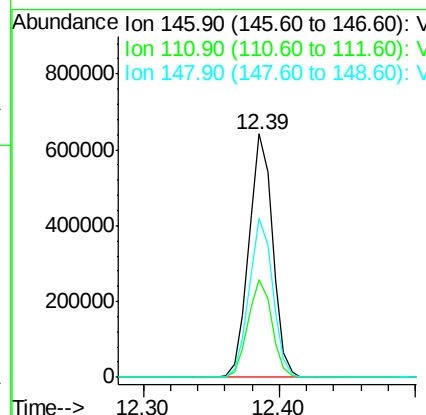
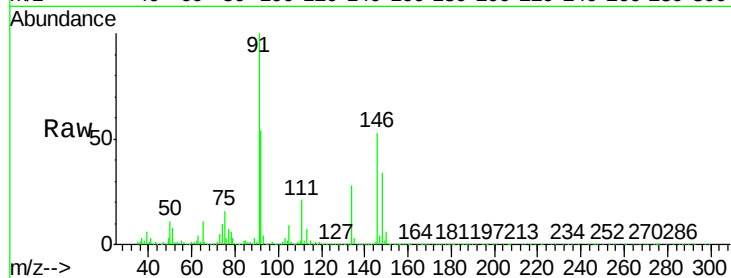
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	787321
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.7	59.1
148	64.8	32.1	96.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.349 ug/l

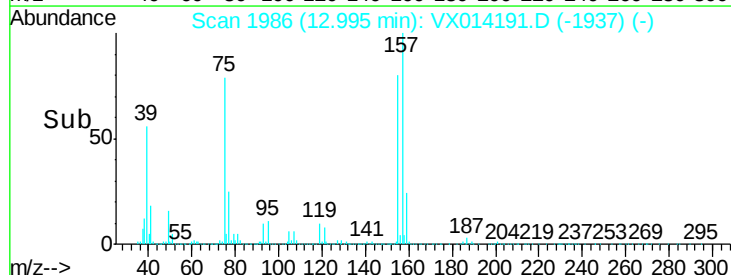
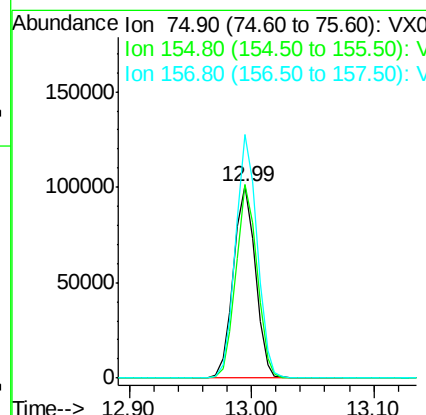
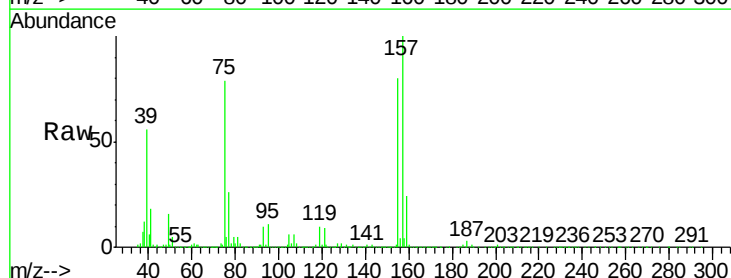
RT: 12.99 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	75	Resp:	123944
Ion Ratio	Lower	Upper	
75	100		
155	97.0	46.9	140.6
157	123.8	60.8	182.4





#93

1,2,4-Trichlorobenzene

Concen: 58.815 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

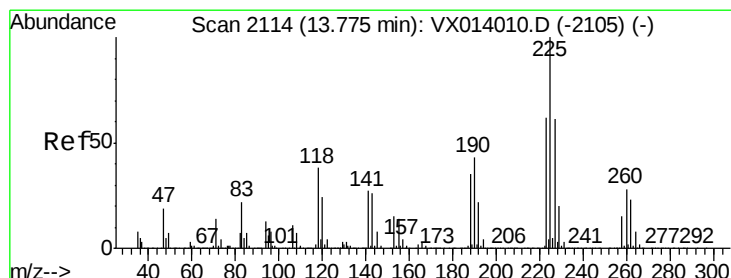
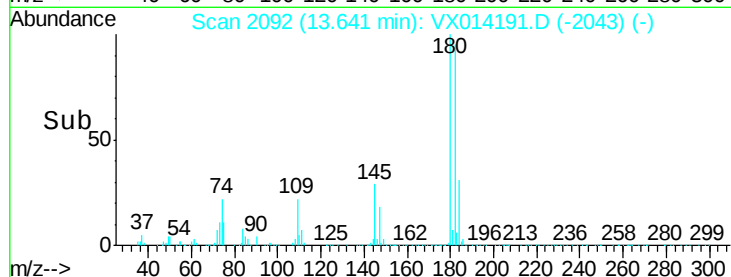
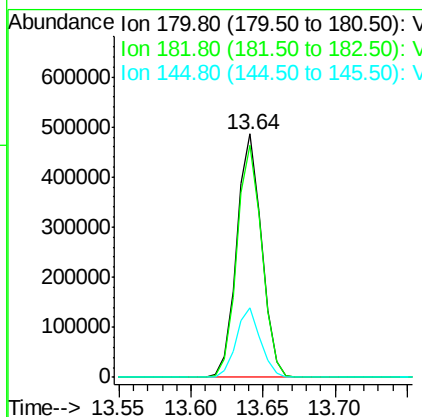
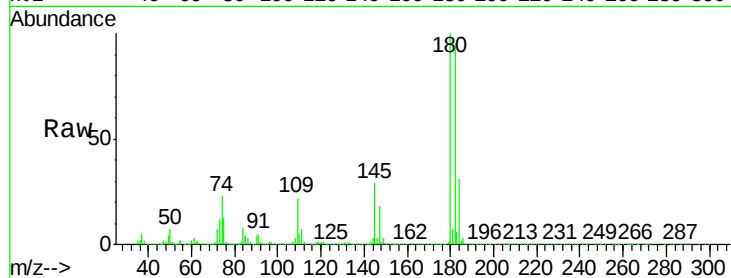
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	583809
Ion Ratio	Lower	Upper	
180	100		
182	95.9	46.6	139.8
145	28.0	14.2	42.6

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 58.387 ug/l

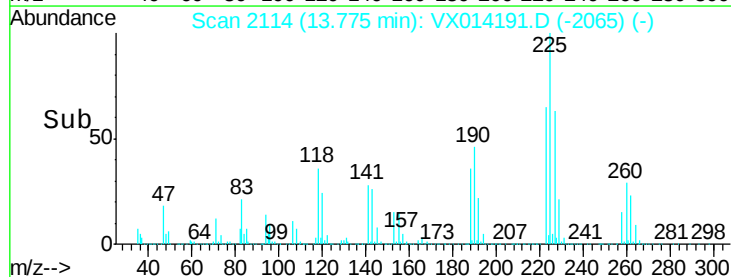
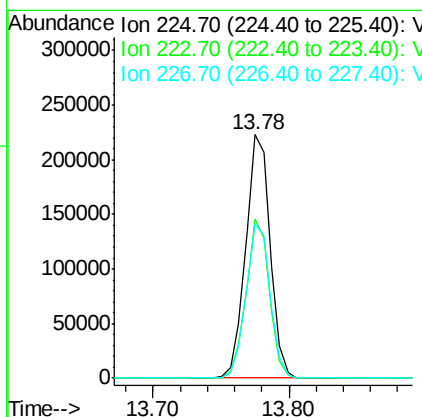
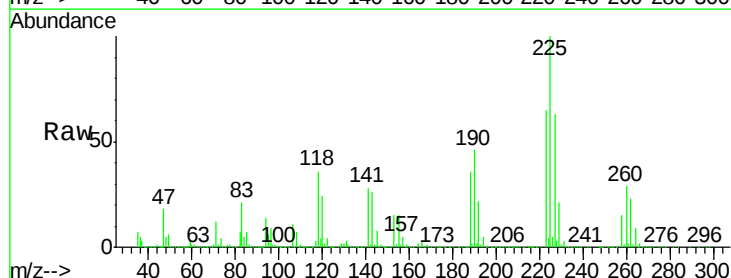
RT: 13.78 min Scan# 2114

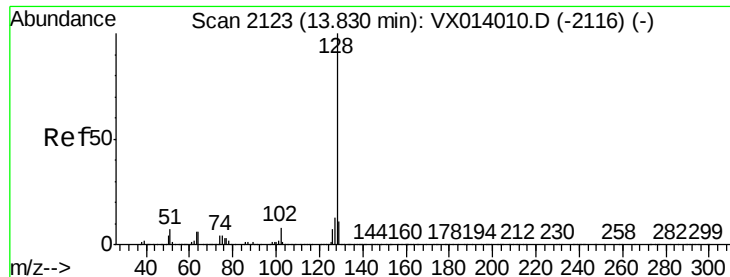
Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Tgt Ion:	225	Resp:	278534
Ion Ratio	Lower	Upper	
225	100		
223	62.8	30.9	92.5
227	63.0	30.9	92.7





#95

Naphthalene

Concen: 59.171 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1725632

Ion Ratio Lower Upper

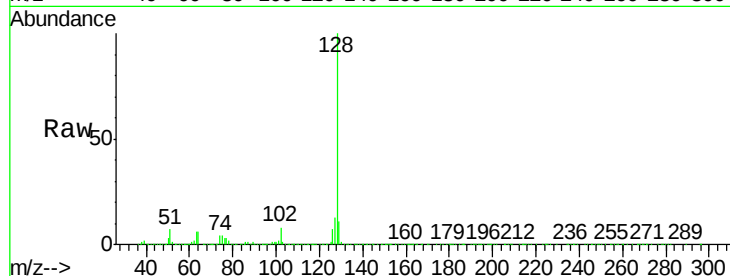
128 100

127 12.7 10.2 15.4

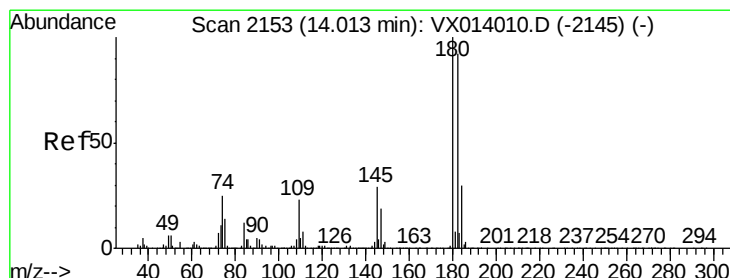
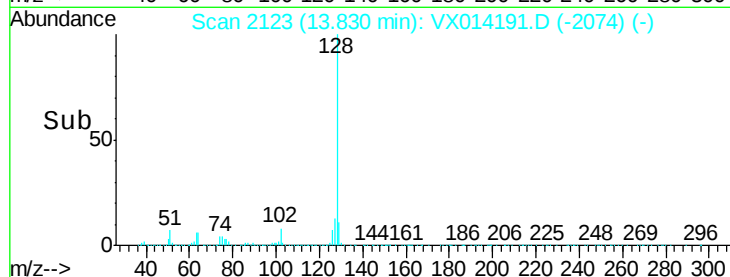
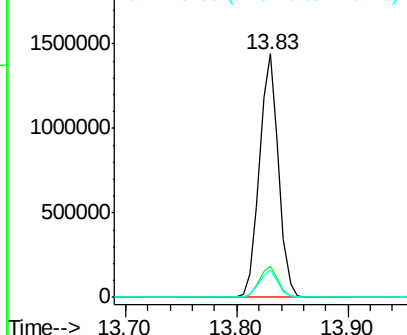
129 10.9 8.7 13.1

Manual Integrations
APPROVED

apatel
12/24/2019 8:53:00 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.853 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014191.D

Acq: 23 Dec 2019 10:18

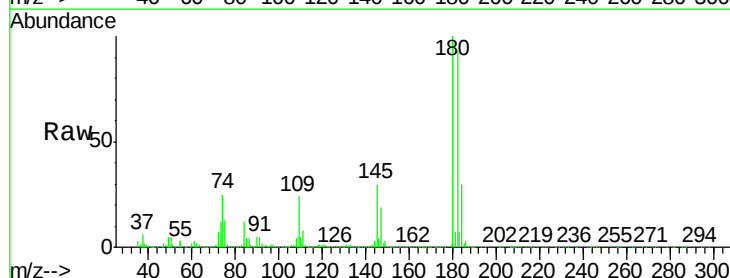
Tgt Ion:180 Resp: 566880

Ion Ratio Lower Upper

180 100

182 94.6 46.8 140.3

145 30.1 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

