

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012976.D
 Acq On : 10 Oct 2019 05:20
 Operator : JC/SP
 Sample : K5259-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 06:51:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	110207	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	5.49	113	87032	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
50) Toluene-d8	8.71	98	327887	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	11.14	95	125969	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	87267	52.999	ug/l	99
3) Chloromethane	1.31	50	96759	53.996	ug/l	99
4) Vinyl Chloride	1.40	62	98938	53.492	ug/l	99
5) Bromomethane	1.63	94	34266	44.567	ug/l	96
6) Chloroethane	1.71	64	63207	55.902	ug/l	97
7) Trichlorofluoromethane	1.92	101	137755	55.181	ug/l	97
8) Diethyl Ether	2.18	74	54370	53.957	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	84452	52.271	ug/l	98
10) Methyl Iodide	2.50	142	97749	53.058	ug/l	99
11) Tert butyl alcohol	3.03	59	133528	249.484	ug/l	100
12) 1,1-Dichloroethene	2.36	96	88502	54.216	ug/l	98
13) Acrolein	2.28	56	82962	218.117	ug/l	98
14) Allyl chloride	2.72	41	152391	52.421	ug/l	99
15) Acrylonitrile	3.13	53	284025	280.028	ug/l	100
16) Acetone	2.43	43	249522	234.467	ug/l	99
17) Carbon Disulfide	2.56	76	235909	50.683	ug/l	99
18) Methyl Acetate	2.76	43	121715	48.252	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	319593	56.693	ug/l	98
20) Methylene Chloride	2.84	84	103317	52.826	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	96516	55.163	ug/l	98
22) Diisopropyl ether	3.84	45	315439	56.626	ug/l	95
23) Vinyl Acetate	3.80	43	1228570	255.480	ug/l	100
24) 1,1-Dichloroethane	3.69	63	176529	56.330	ug/l	99
25) 2-Butanone	4.66	43	386795	261.977	ug/l	96
26) 2,2-Dichloropropane	4.57	77	98217	37.270	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	113556	56.306	ug/l	96
28) Bromochloromethane	5.00	49	55245	59.069	ug/l	99
29) Tetrahydrofuran	5.11	42	253754	279.294	ug/l	100
30) Chloroform	5.20	83	178727	55.582	ug/l	99
31) Cyclohexane	5.57	56	153096	52.245	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	155959	57.242	ug/l	99
36) 1,1-Dichloropropene	5.79	75	132543	53.195	ug/l	99
37) Ethyl Acetate	4.82	43	185509	66.583	ug/l	100
38) Carbon Tetrachloride	5.77	117	130023	53.613	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	148341	49.092	ug/l	98
40) Benzene	6.14	78	399965	54.350	ug/l	99
41) Methacrylonitrile	5.03	41	81036	52.932	ug/l	98
42) 1,2-Dichloroethane	6.18	62	144723	54.806	ug/l	99
43) Isopropyl Acetate	6.43	43	228225	51.037	ug/l	100
44) Trichloroethene	7.20	130	105838	51.864	ug/l	93
45) 1,2-Dichloropropane	7.51	63	103532	55.200	ug/l	96
46) Dibromomethane	7.65	93	68754	55.020	ug/l	99
47) Bromodichloromethane	7.89	83	136091	55.806	ug/l	98
48) Methyl methacrylate	7.76	41	118042	54.169	ug/l	99
49) 1,4-Dioxane	7.73	88	57659	986.470	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	752694	269.970	ug/l	100
52) Toluene	8.78	92	252251	53.579	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	139750	46.097	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	153129	51.055	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	102739	55.142	ug/l	98
56) Ethyl methacrylate	9.17	69	168844	50.585	ug/l	99
57) 1,3-Dichloropropane	9.37	76	174468	54.134	ug/l	100
59) 2-Hexanone	9.48	43	578106	266.367	ug/l	100
60) Dibromochloromethane	9.57	129	104063	50.183	ug/l	98
61) 1,2-Dibromoethane	9.67	107	107093	54.641	ug/l	100
64) Tetrachloroethene	9.33	164	104008	58.238	ug/l	94
65) Chlorobenzene	10.14	112	264788	51.784	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	97680	55.096	ug/l	100
67) Ethyl Benzene	10.25	91	481463	53.009	ug/l	98
68) m/p-Xylenes	10.35	106	362859	106.940	ug/l	99
69) o-Xylene	10.70	106	175757	53.117	ug/l	100
70) Stvrene	10.71	104	305497	54.309	ug/l	100
71) Bromoform	10.85	173	69887	46.506	ug/l #	100
73) Isopropylbenzene	11.01	105	467013	53.812	ug/l	100
74) N-amyl acetate	10.89	43	187516	50.170	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	157970	54.728	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	175950	67.205	ug/l	76
77) Bromobenzene	11.25	156	108556	53.082	ug/l	97
78) n-propylbenzene	11.35	91	520072	54.460	ug/l	98
79) 2-Chlorotoluene	11.42	91	318720	53.106	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	402849	55.592	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	41575	41.583	ug/l	96
82) 4-Chlorotoluene	11.51	91	367684	53.450	ug/l	100
83) tert-Butylbenzene	11.76	119	384524	54.396	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	402525	54.846	ug/l	100
85) sec-Butylbenzene	11.94	105	440944	53.841	ug/l	99
86) p-Isopropyltoluene	12.06	119	402983	53.055	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	196917	51.851	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	196523	51.095	ug/l	98
89) n-Butylbenzene	12.39	91	335942	52.625	ug/l	99
90) Hexachloroethane	12.59	117	68600	48.816	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	197784	53.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	36869	54.496	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	119467	51.224	ug/l	100

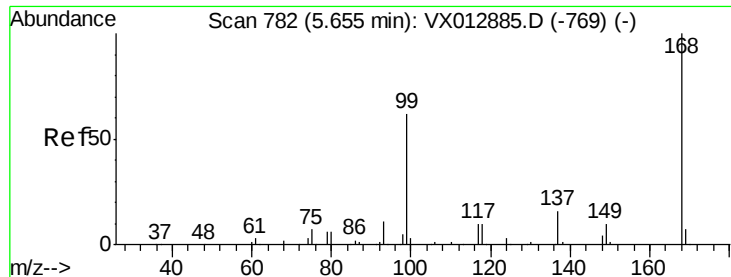
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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	51967	48.281	ug/l	98
95) Naphthalene	13.83	128	423252	52.352	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	117354	48.692	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

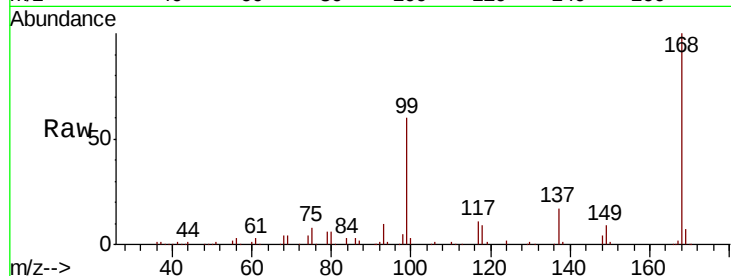
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 161536

Ion Ratio Lower Upper

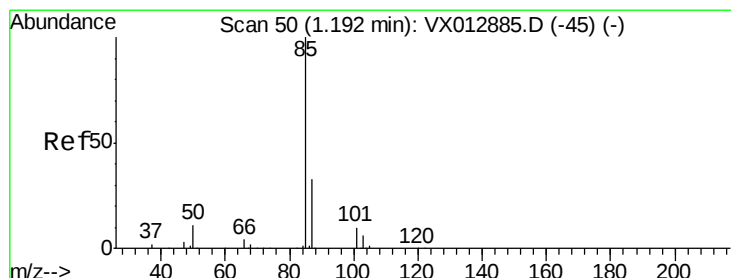
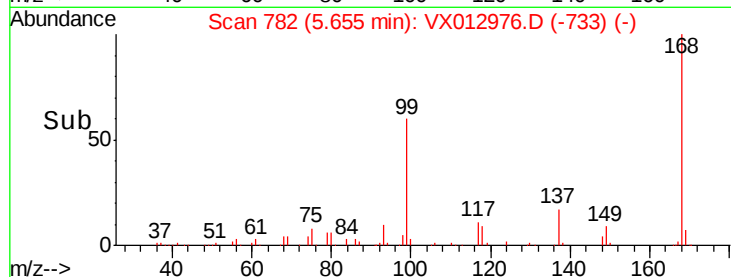
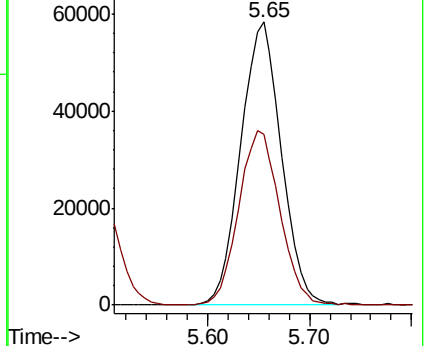
168 100

99 60.3 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 52.999 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX012976.D

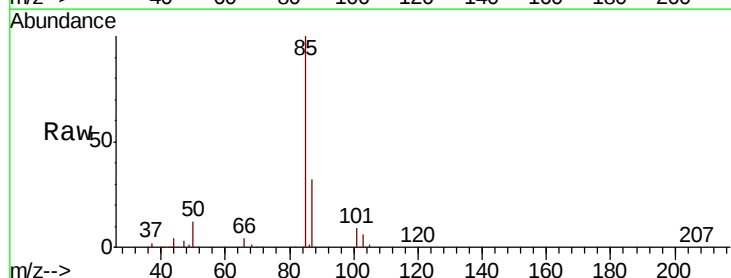
Acq: 10 Oct 2019 05:20

Tgt Ion: 85 Resp: 87267

Ion Ratio Lower Upper

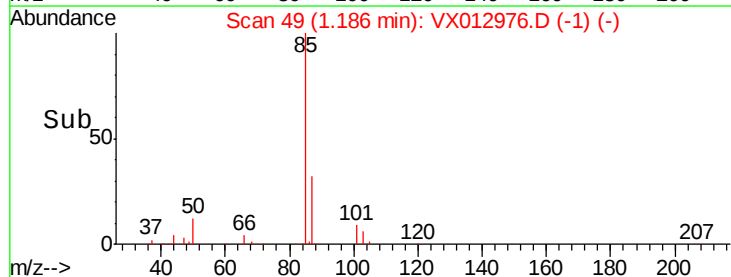
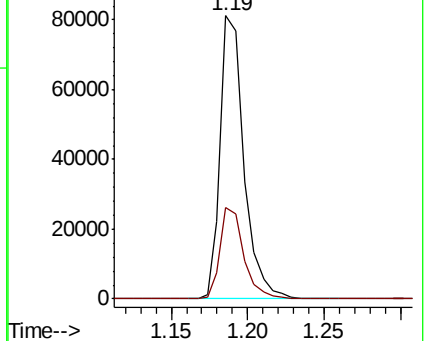
85 100

87 32.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 53.996 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

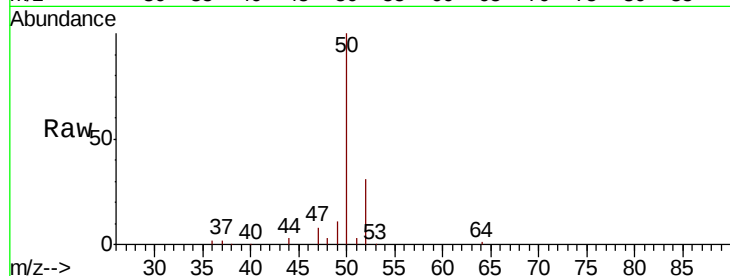
ClientSampleId :

Tot Ion: 50 Resp: 96759

Ion Ratio Lower Upper

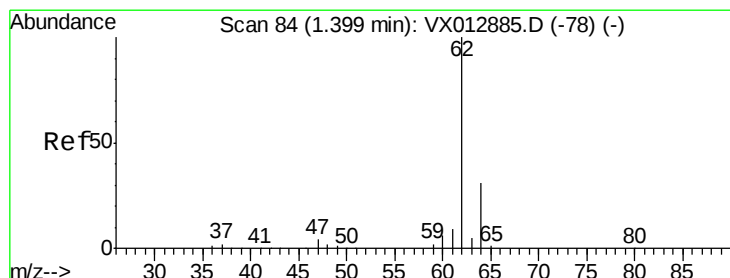
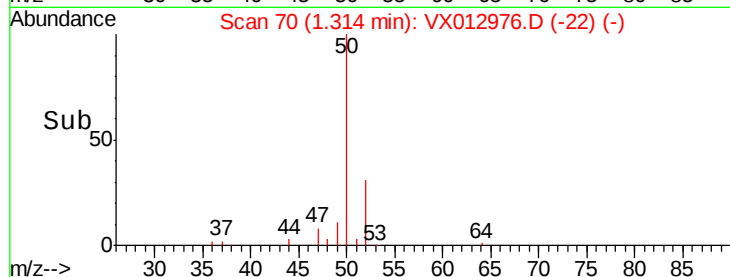
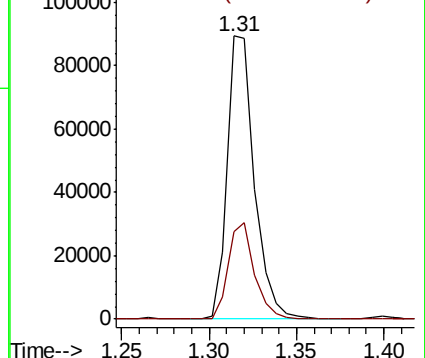
50 100

52 30.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.492 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012976.D

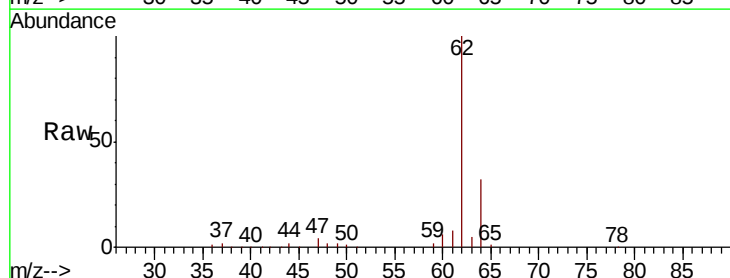
Acq: 10 Oct 2019 05:20

Tgt Ion: 62 Resp: 98938

Ion Ratio Lower Upper

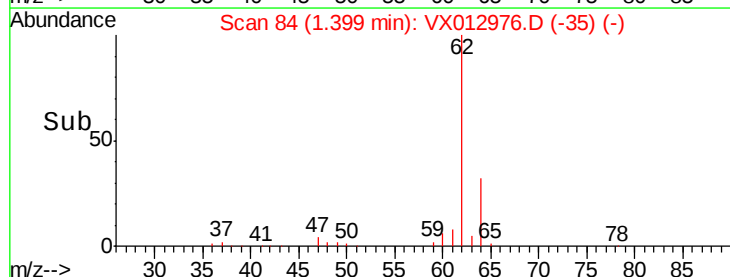
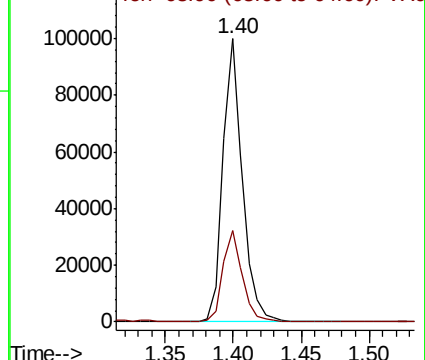
62 100

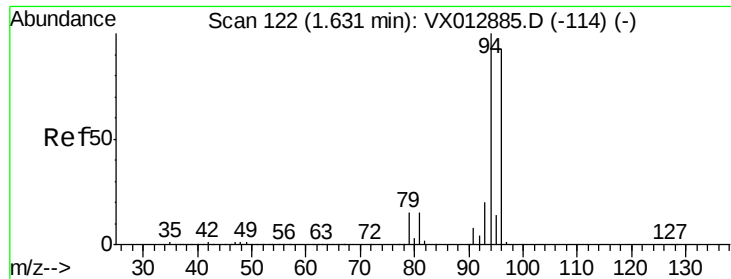
64 32.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.567 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

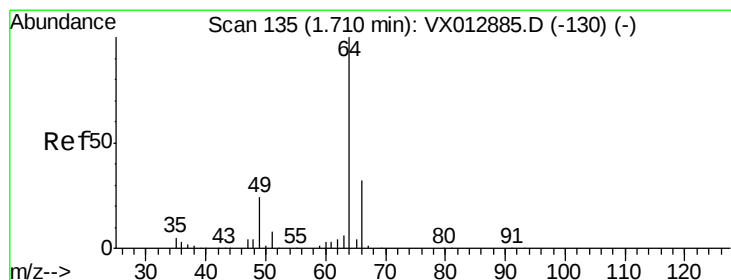
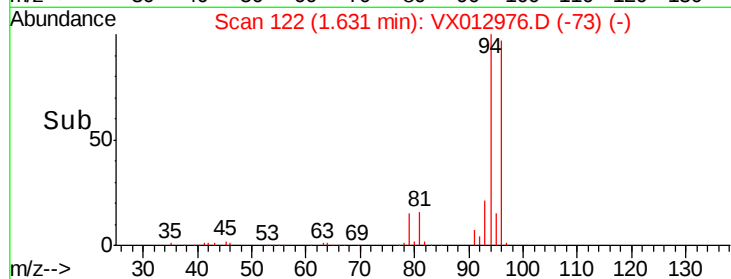
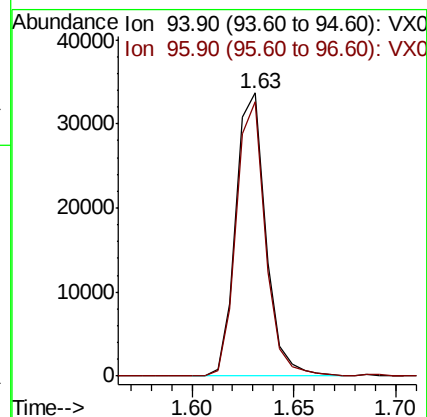
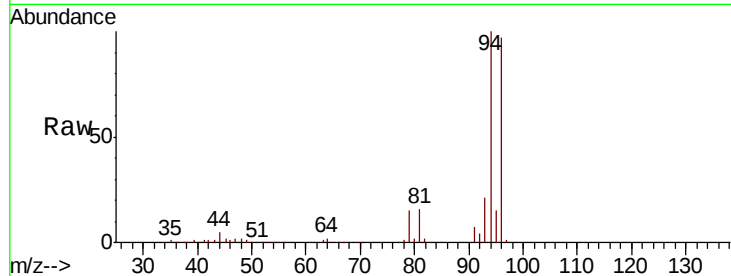
ClientSampleId :

Tot Ion: 94 Resp: 34266

Ion Ratio Lower Upper

94 100

96 97.0 74.7 112.1



#6

Chloroethane

Concen: 55.902 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012976.D

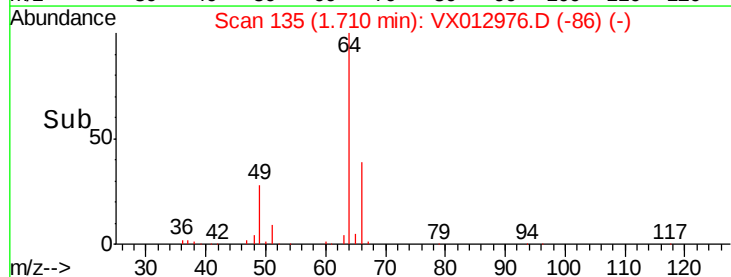
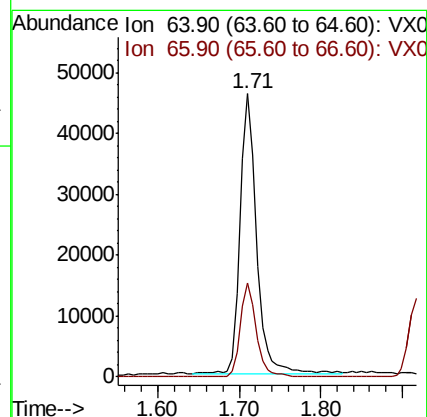
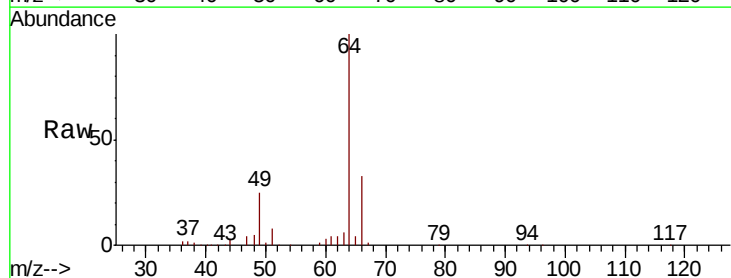
Acq: 10 Oct 2019 05:20

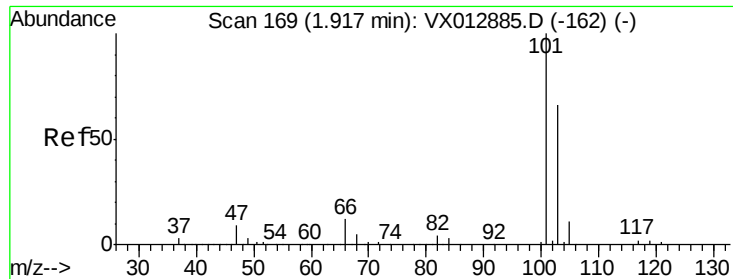
Tgt Ion: 64 Resp: 63207

Ion Ratio Lower Upper

64 100

66 33.6 25.6 38.4



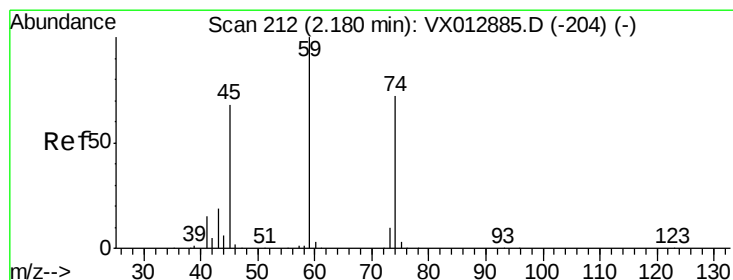
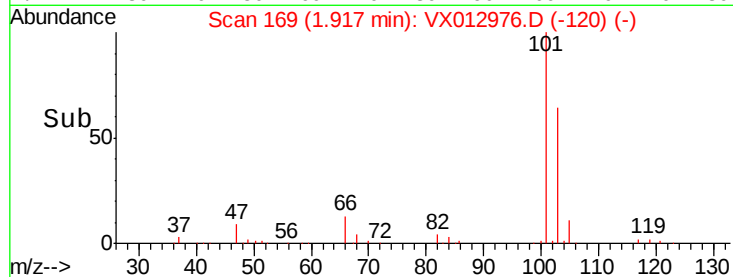
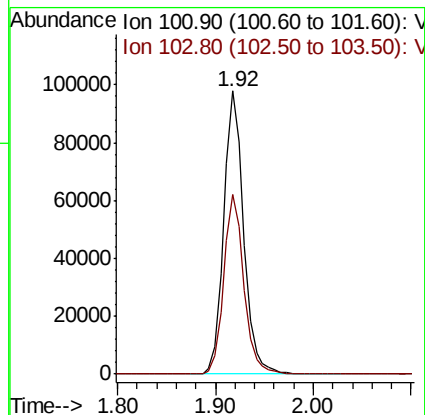
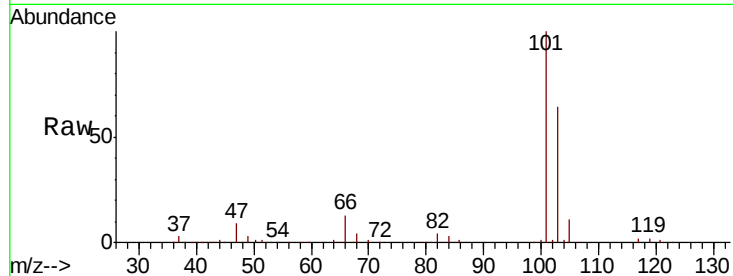


#7

Trichlorofluoromethane
 Concen: 55.181 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Instrument :
 MSVOA_X
 ClientSampleId :

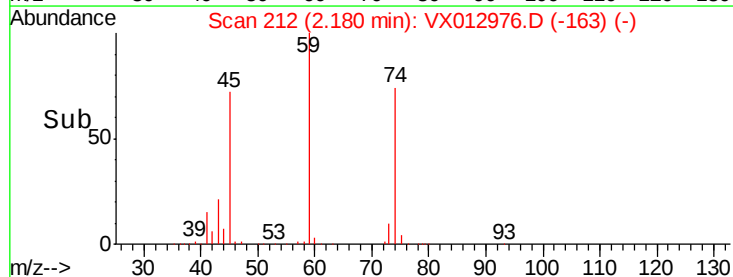
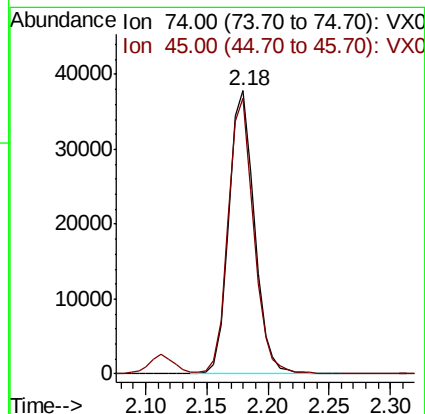
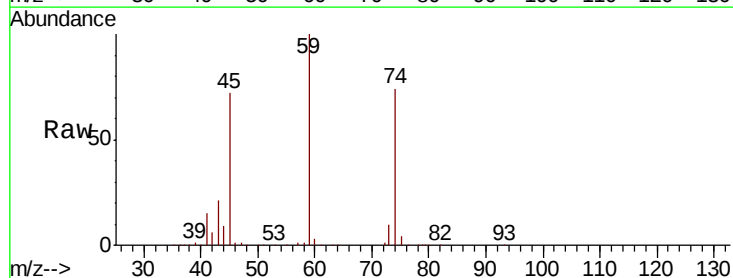
Tot Ion:101 Resp: 137755
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.5 78.7

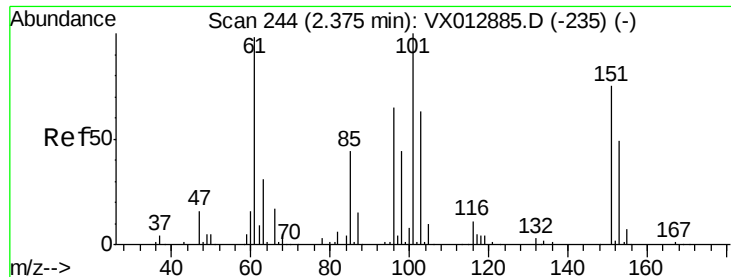


#8

Diethyl Ether
 Concen: 53.957 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion: 74 Resp: 54370
 Ion Ratio Lower Upper
 74 100
 45 97.2 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.271 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

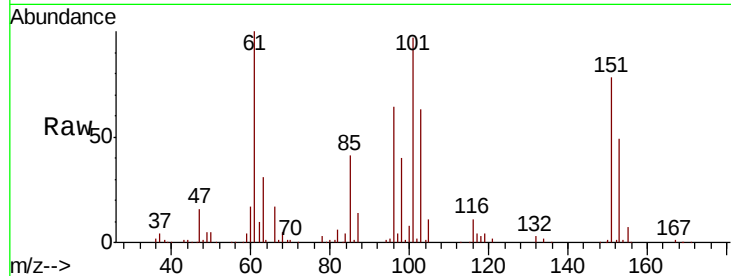
Tot Ion:101 Resp: 84452

Ion Ratio Lower Upper

101 100

85 42.8 35.2 52.8

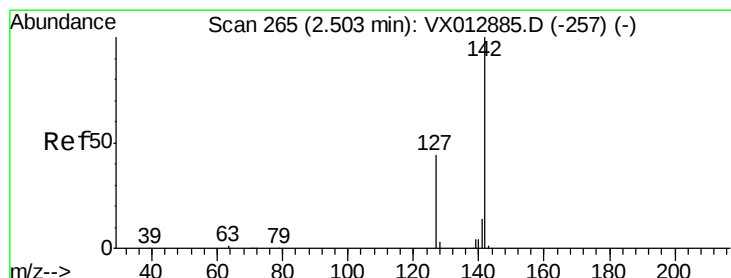
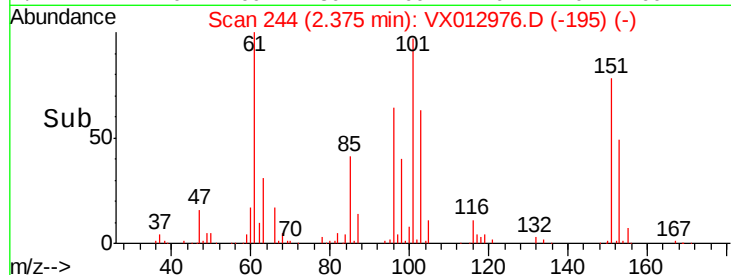
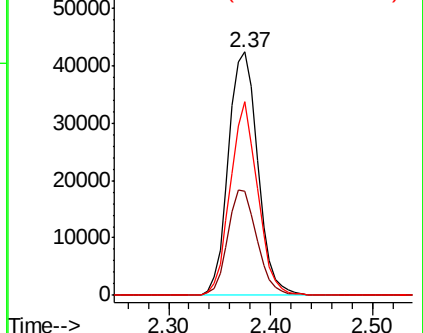
151 74.1 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.058 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

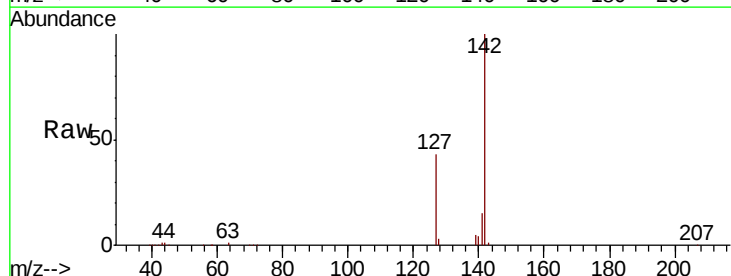
Tgt Ion:142 Resp: 97749

Ion Ratio Lower Upper

142 100

127 43.9 34.9 52.3

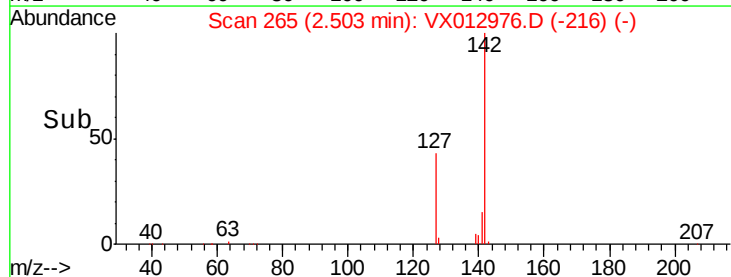
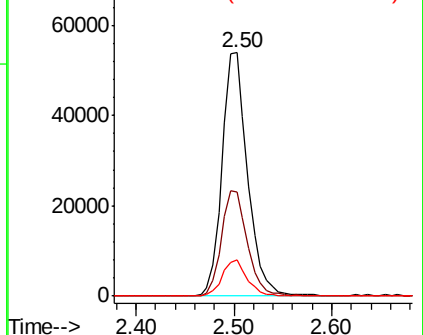
141 14.2 11.6 17.4

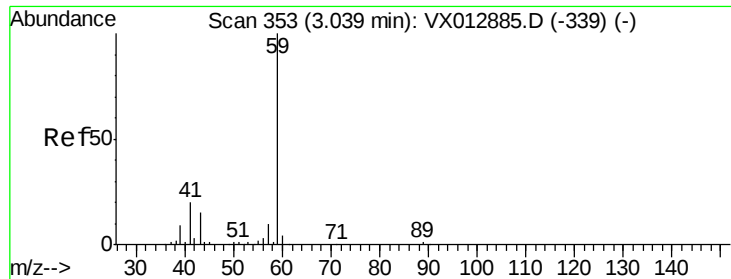


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

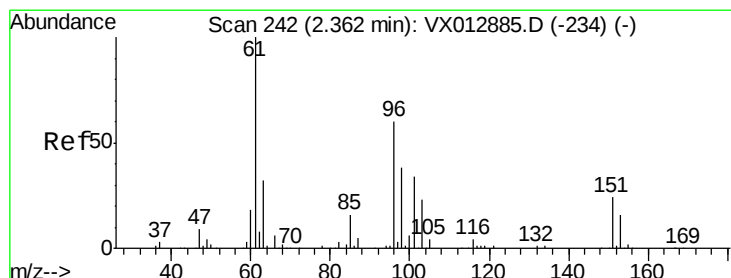
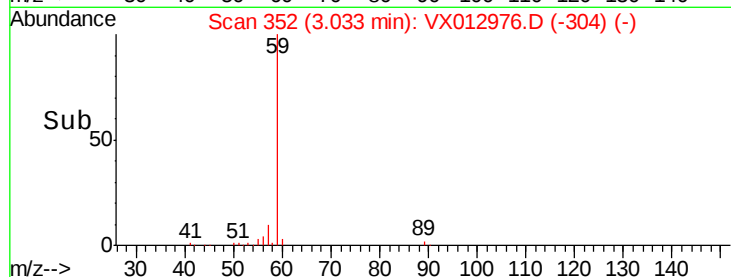
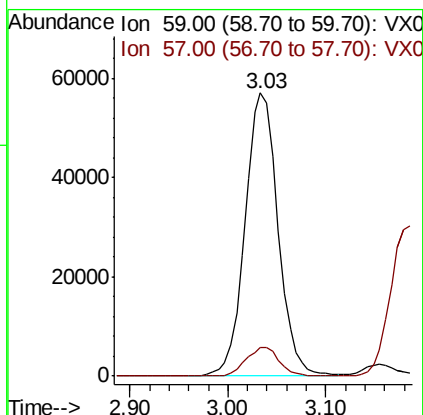
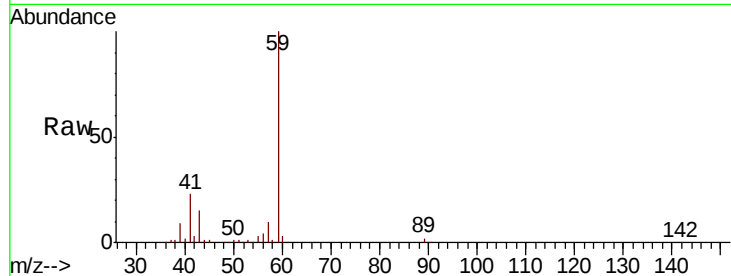




#11
Tert butyl alcohol
Concen: 249.484 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

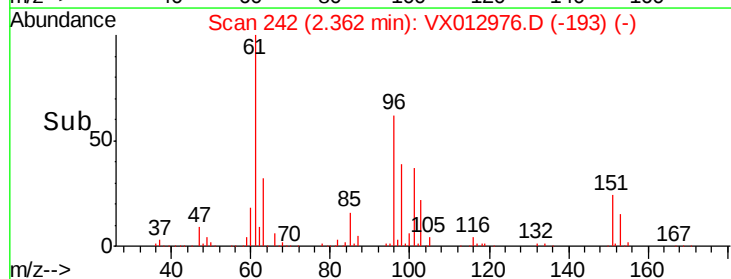
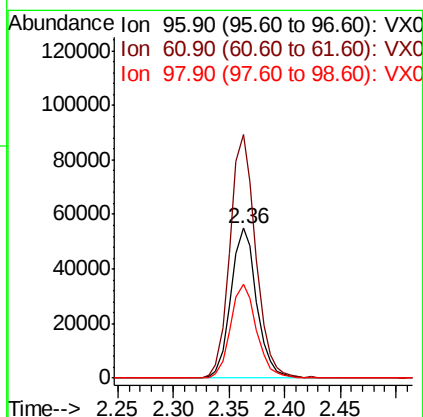
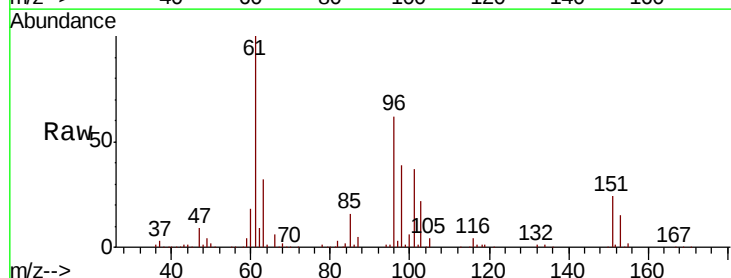
Instrument :
MSVOA_X
ClientSampleId :

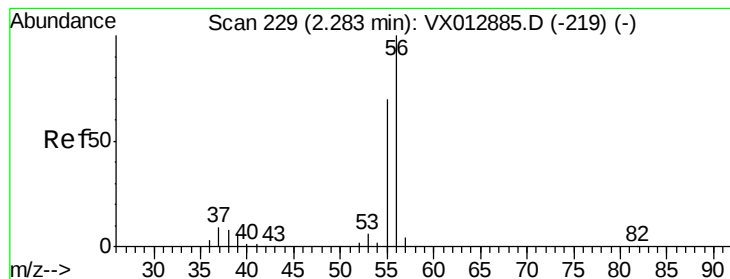
Tot Ion: 59 Resp: 133528
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



#12
1,1-Dichloroethene
Concen: 54.216 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion: 96 Resp: 88502
Ion Ratio Lower Upper
96 100
61 162.5 132.2 198.4
98 62.8 50.5 75.7





#13

Acrolein

Concen: 218.117 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

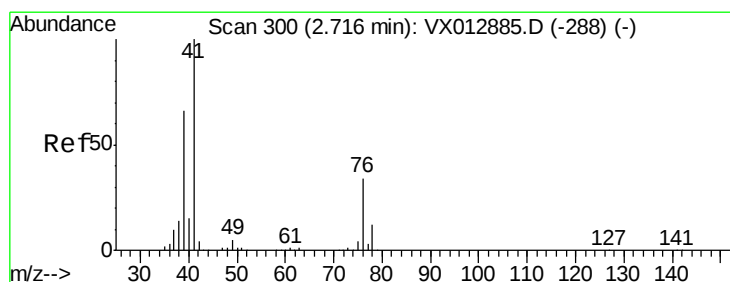
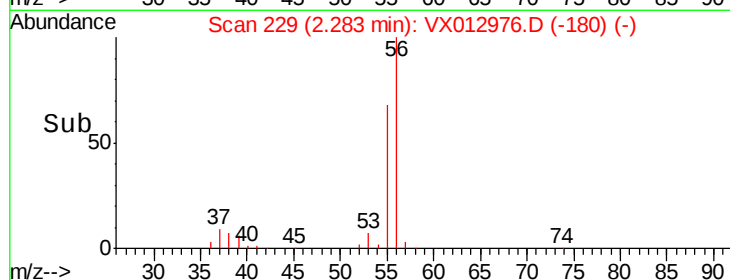
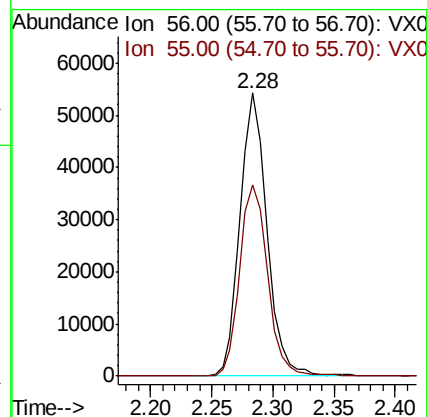
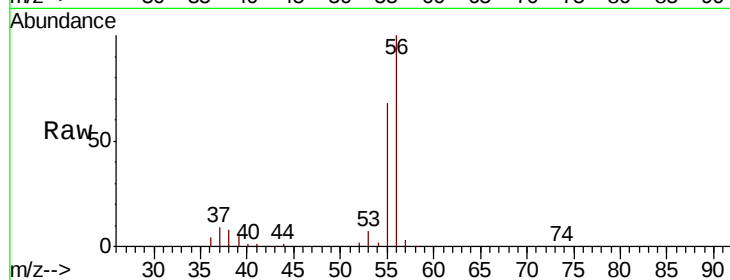
ClientSampled :

Tot Ion: 56 Resp: 82962

Ion Ratio Lower Upper

56 100

55 69.2 56.6 85.0



#14

Allyl chloride

Concen: 52.421 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

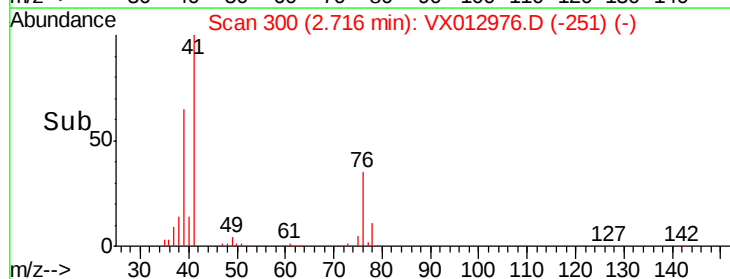
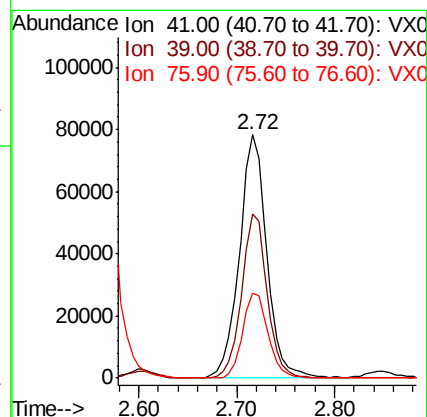
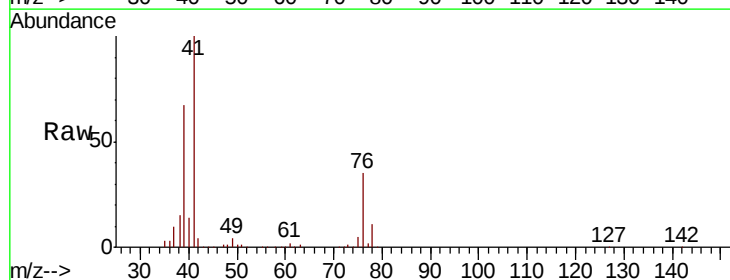
Tgt Ion: 41 Resp: 152391

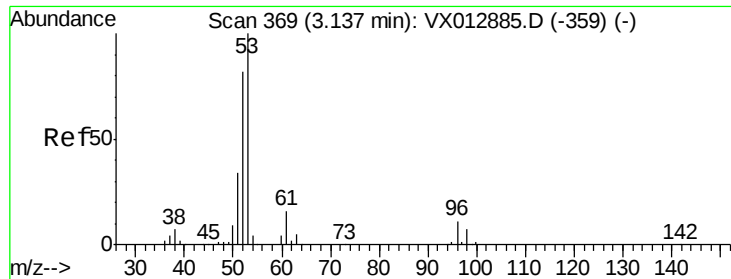
Ion Ratio Lower Upper

41 100

39 63.1 51.0 76.6

76 32.5 26.2 39.4





#15

Acrylonitrile

Concen: 280.028 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

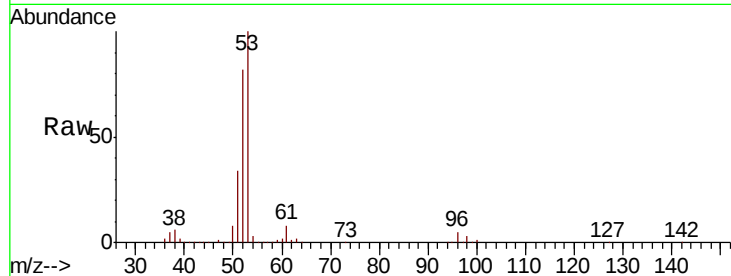
Tot Ion: 53 Resp: 284025

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.2

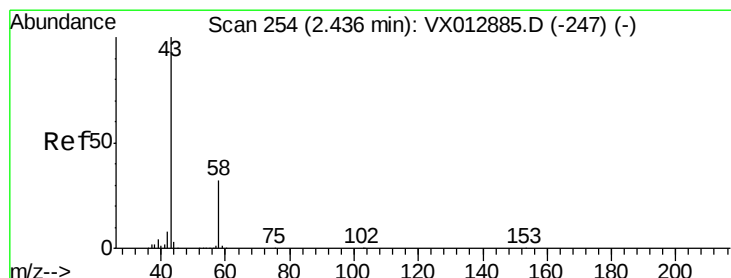
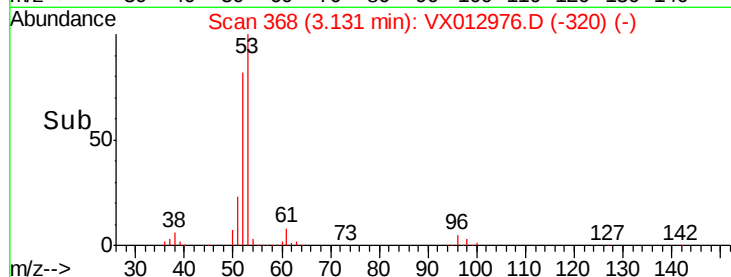
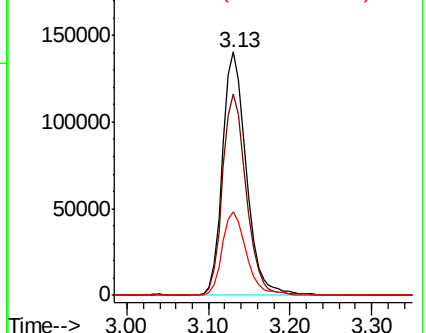
51 35.4 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 234.467 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012976.D

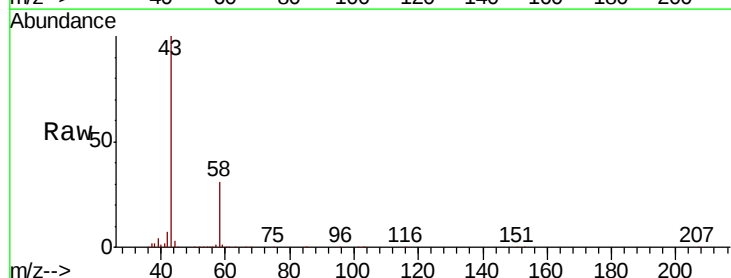
Acq: 10 Oct 2019 05:20

Tgt Ion: 43 Resp: 249522

Ion Ratio Lower Upper

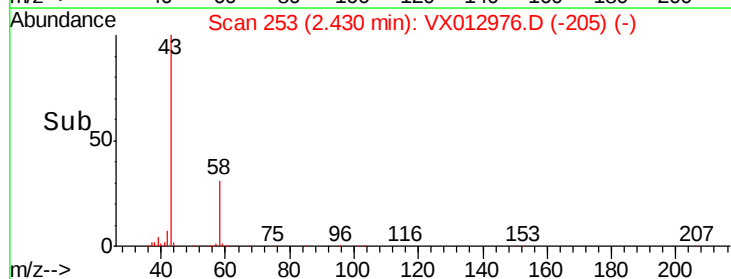
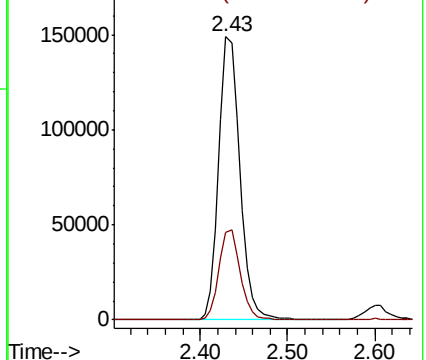
43 100

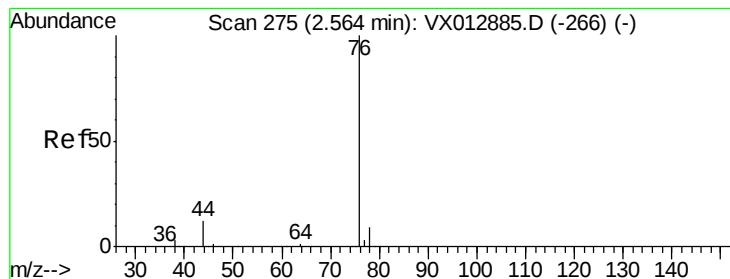
58 31.1 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 50.683 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

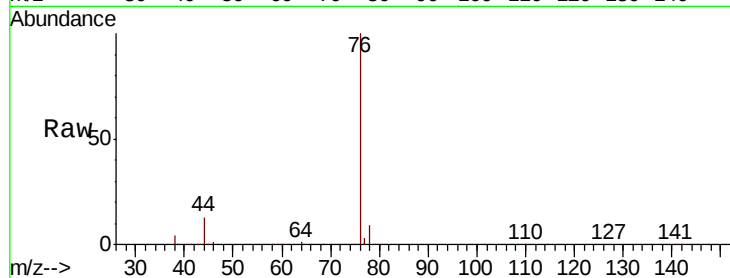
ClientSampled :

Tot Ion: 76 Resp: 235909

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

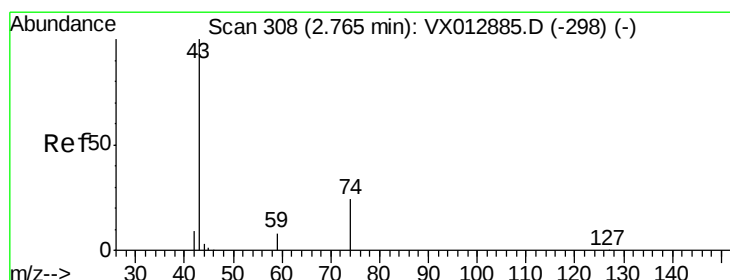
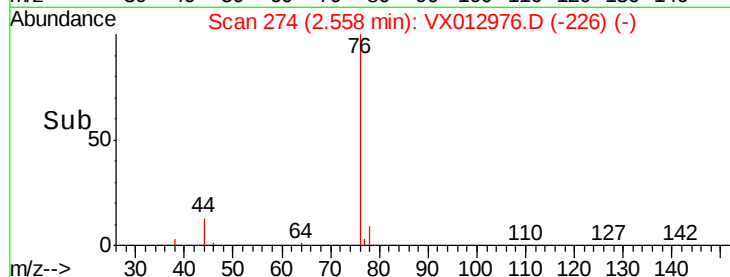
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.252 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX012976.D

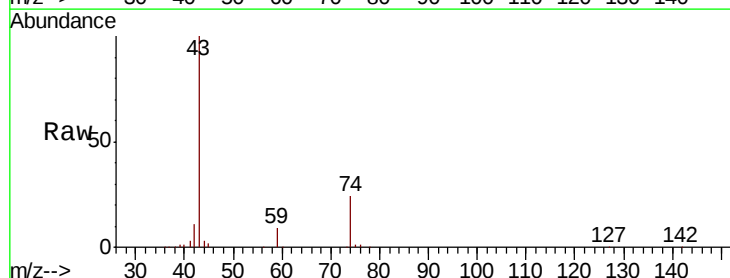
Acq: 10 Oct 2019 05:20

Tgt Ion: 43 Resp: 121715

Ion Ratio Lower Upper

43 100

74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

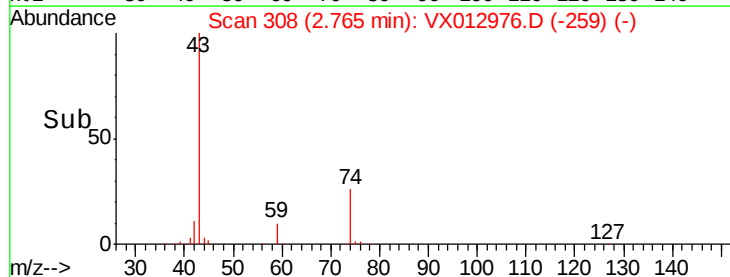
60000

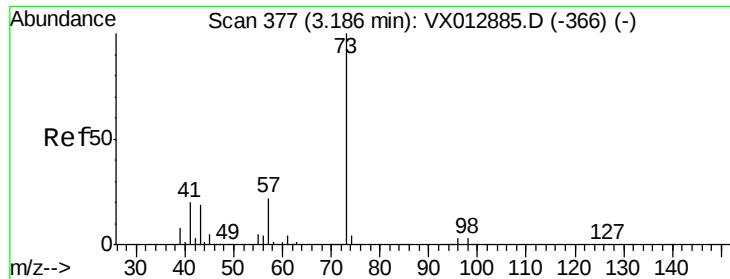
40000

20000

0

Time-->

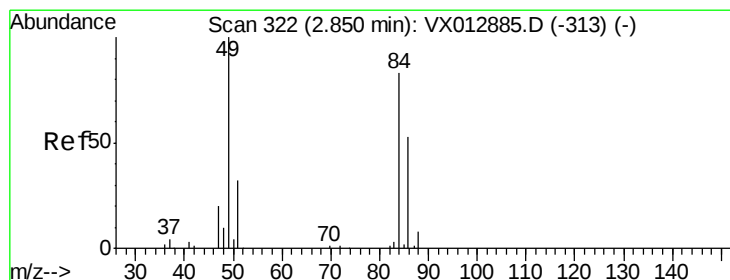
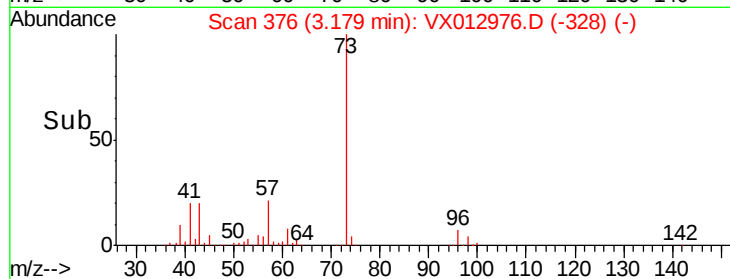
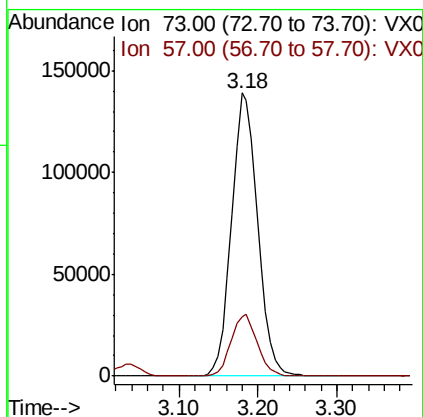
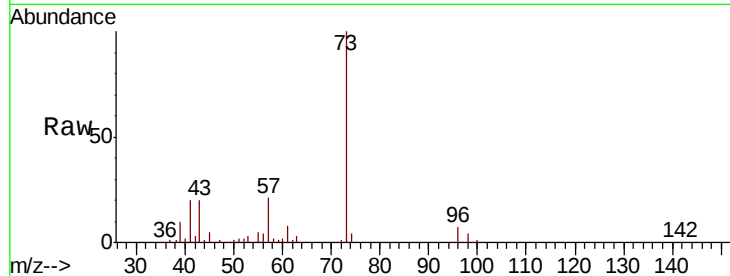




#19
Methvl tert-butvl Ether
Concen: 56.693 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

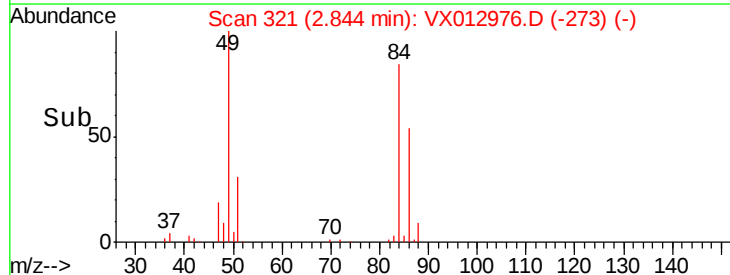
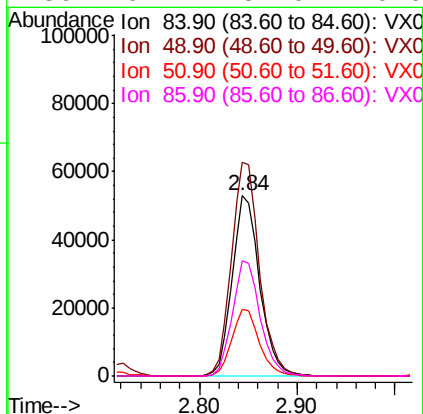
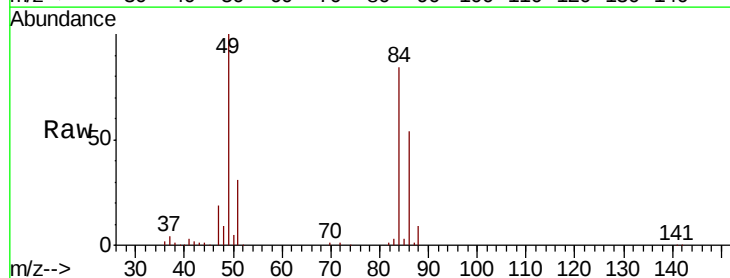
Instrument :
MSVOA_X
ClientSampled :

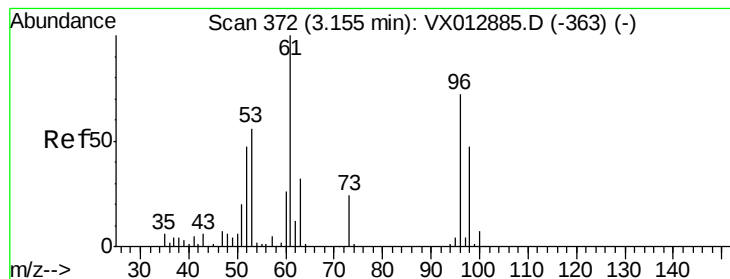
Tot Ion: 73 Resp: 319593
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.6



#20
Methylene Chloride
Concen: 52.826 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion: 84 Resp: 103317
Ion Ratio Lower Upper
84 100
49 118.6 96.6 144.8
51 37.2 30.7 46.1
86 64.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 55.163 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

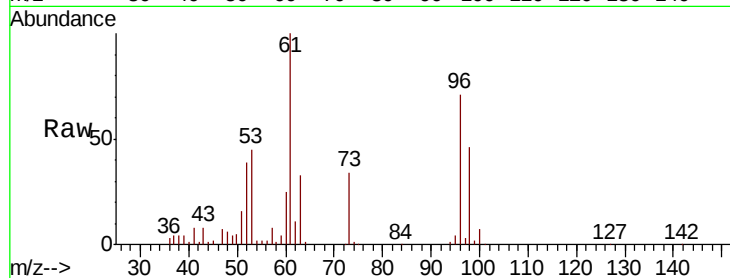
Tot Ion: 96 Resp: 96516

Ion Ratio Lower Upper

96 100

61 141.0 110.4 165.6

98 64.3 51.5 77.3

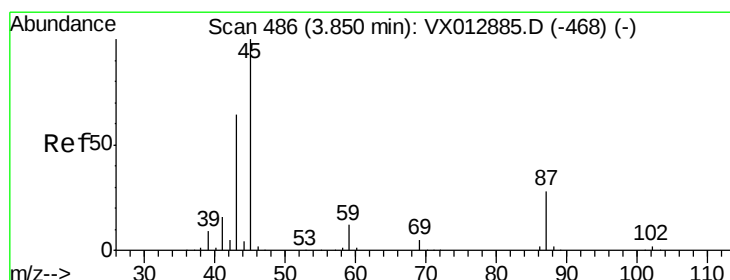
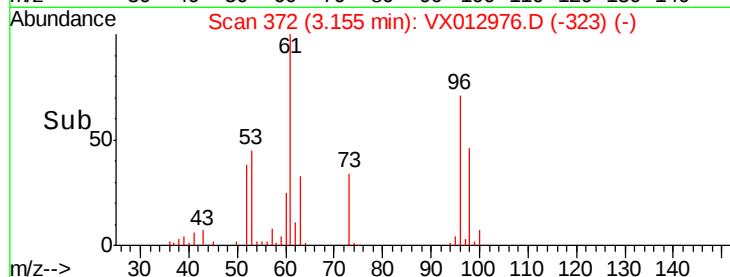
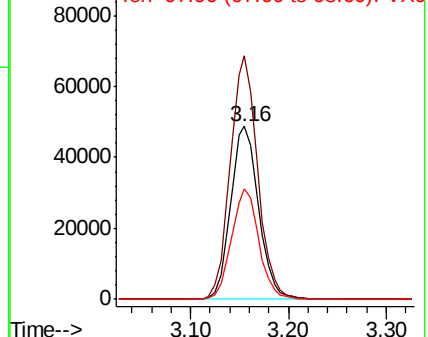


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 56.626 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Tgt Ion: 45 Resp: 315439

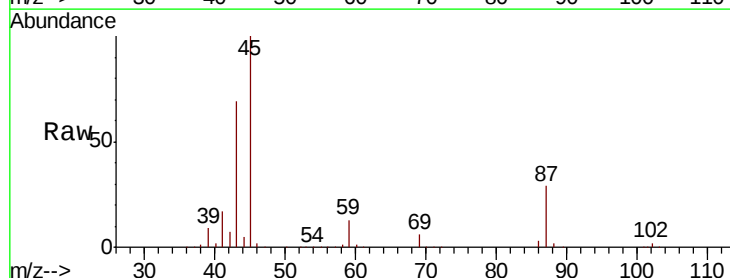
Ion Ratio Lower Upper

45 100

43 69.3 51.4 77.0

87 29.4 22.5 33.7

59 13.1 9.7 14.5



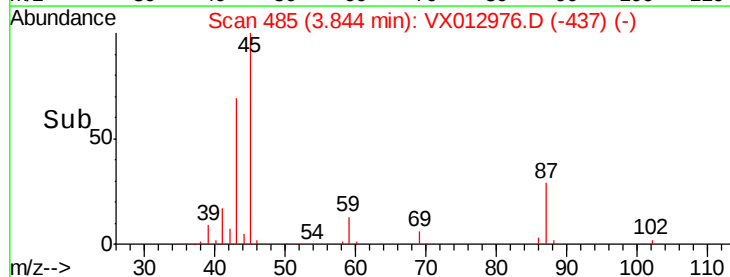
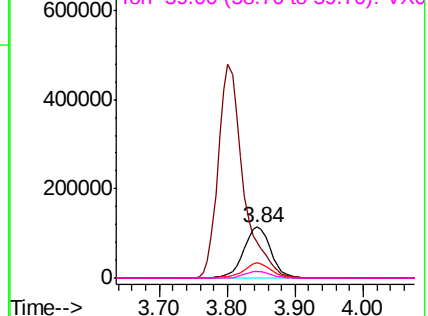
Abundance

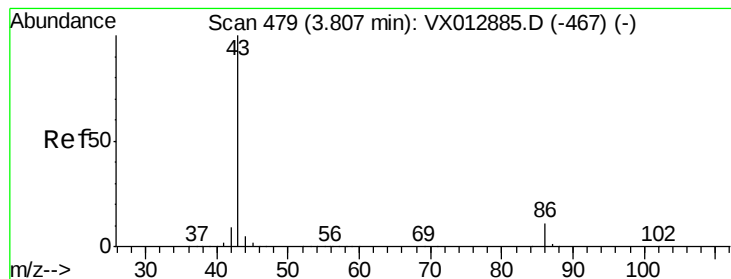
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 255.480 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

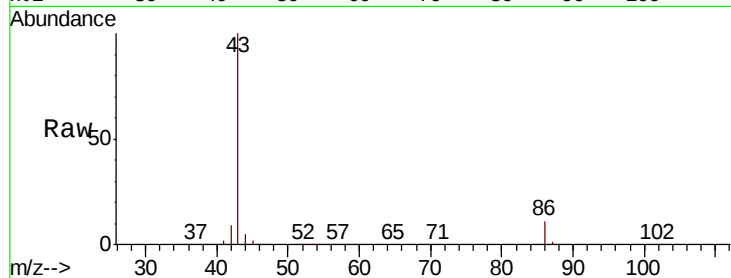
ClientSampled :

Tot Ion: 43 Resp: 1228570

Ion Ratio Lower Upper

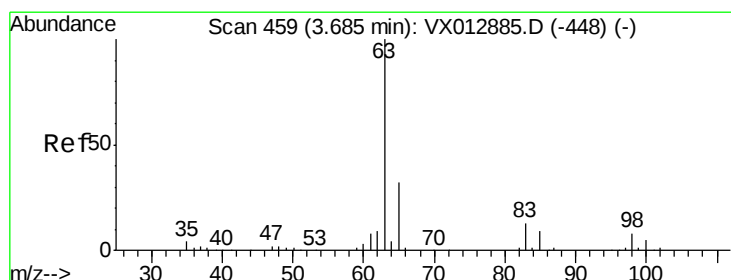
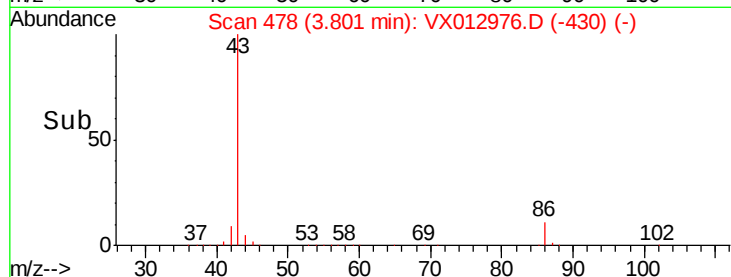
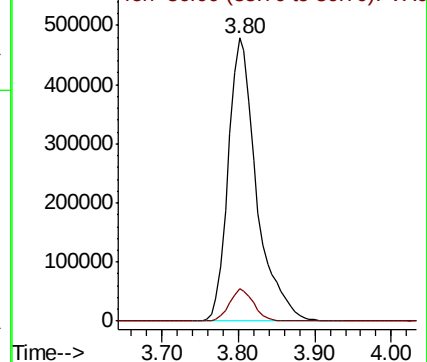
43 100

86 11.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 56.330 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

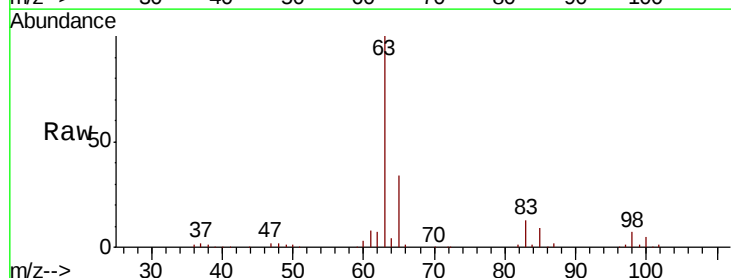
Tgt Ion: 63 Resp: 176529

Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

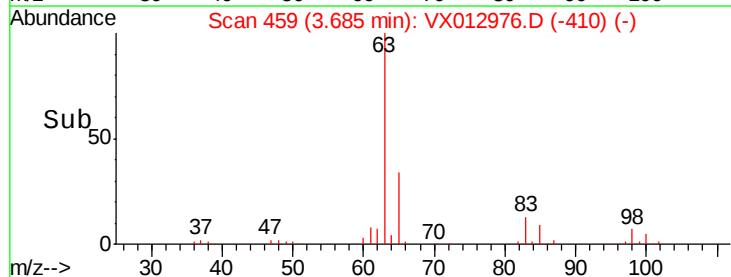
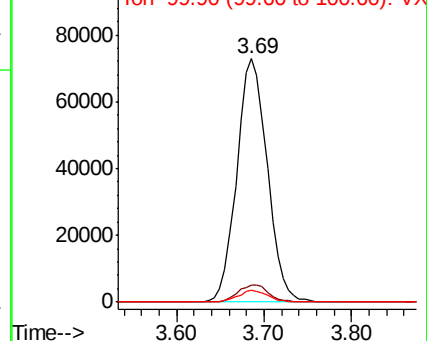
100 4.7 2.3 6.9

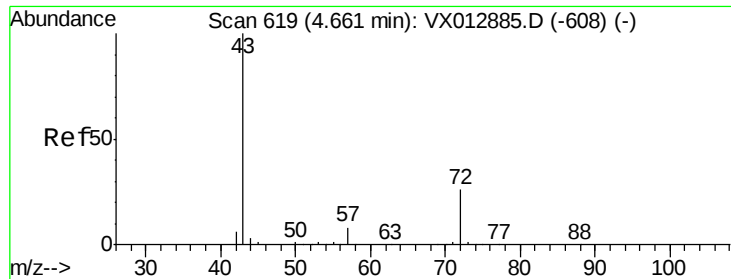


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 261.977 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

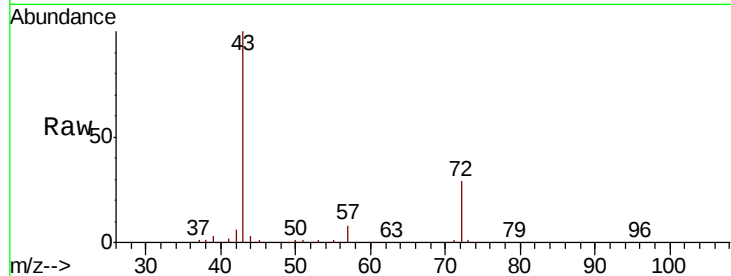
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 386795

Ion Ratio Lower Upper

43 100

72 28.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

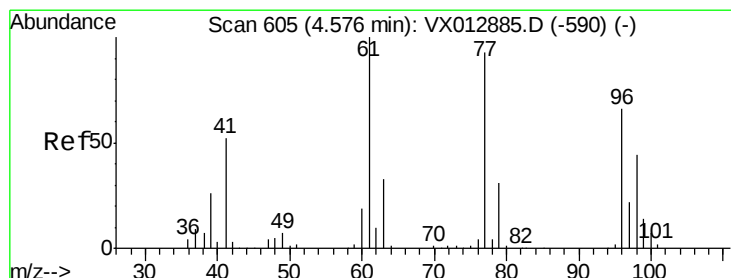
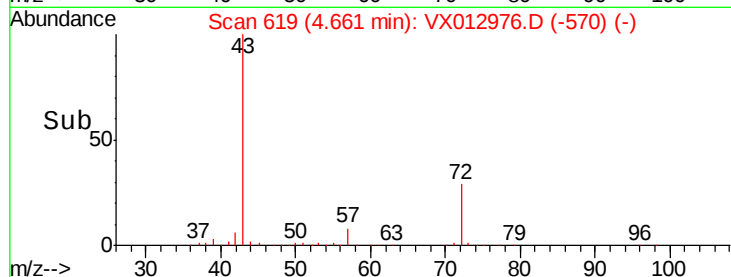
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 37.270 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX012976.D

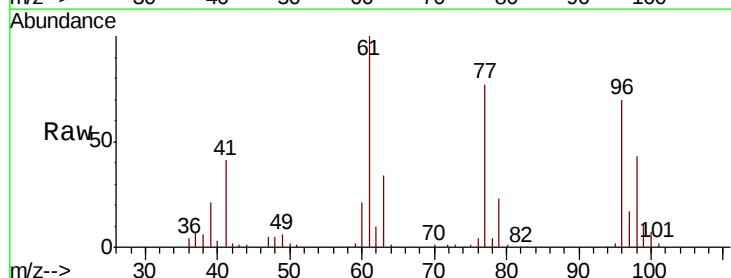
Acq: 10 Oct 2019 05:20

Tgt Ion: 77 Resp: 98217

Ion Ratio Lower Upper

77 100

97 24.8 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

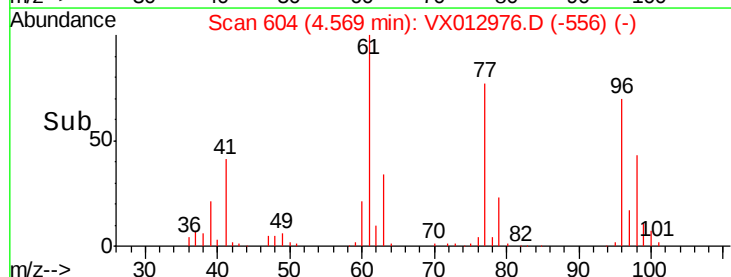
20000

10000

0

4.40 4.50 4.60 4.70

Time-->



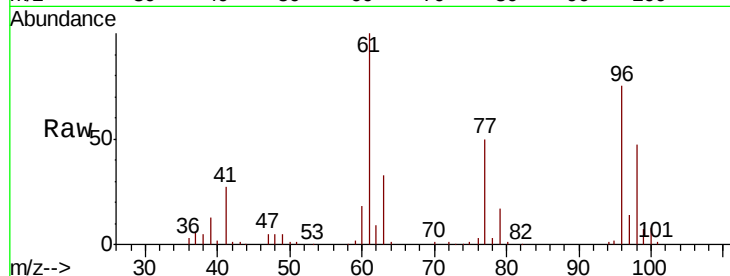


#27

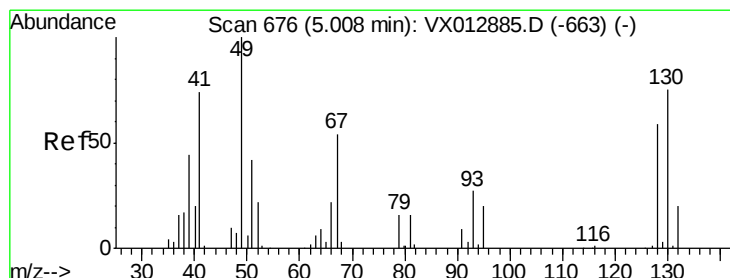
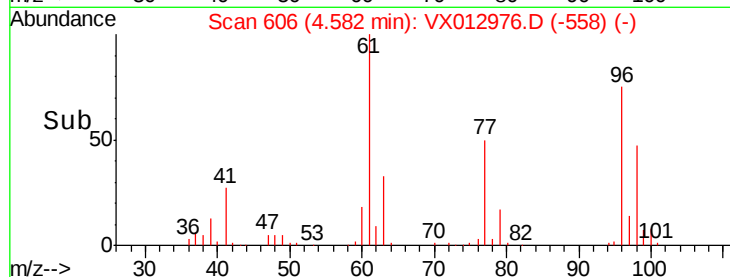
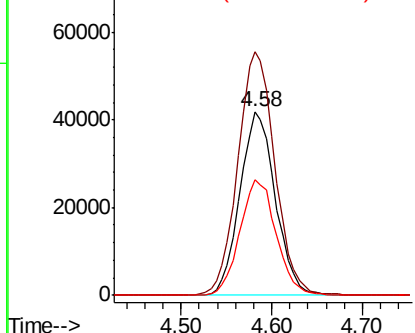
cis-1,2-Dichloroethene
Concen: 56.306 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Instrument :
MSVOA_X
ClientSampleID :

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	290.6
98	64.0	0.0	128.8



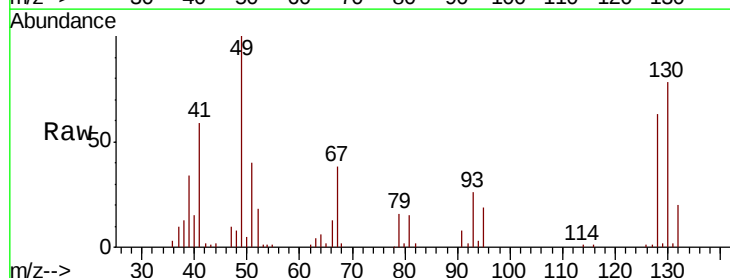
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



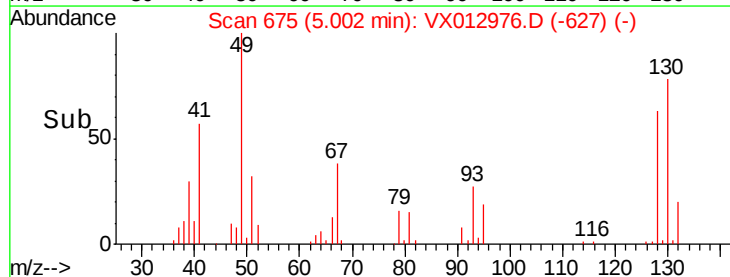
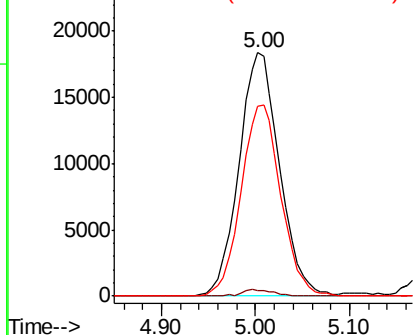
#28

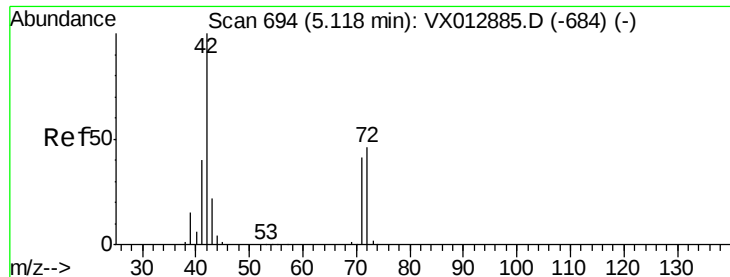
Bromochloromethane
Concen: 59.069 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	76.9	62.1	93.1



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





#29

Tetrahydrofuran

Concen: 279.294 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

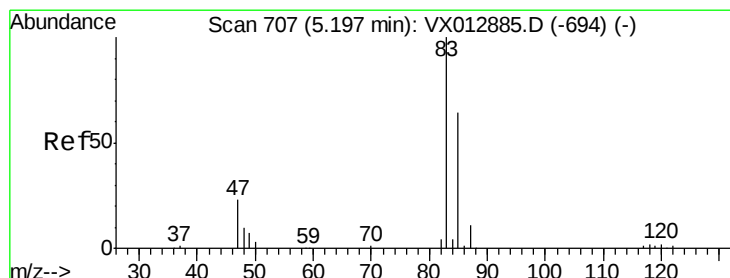
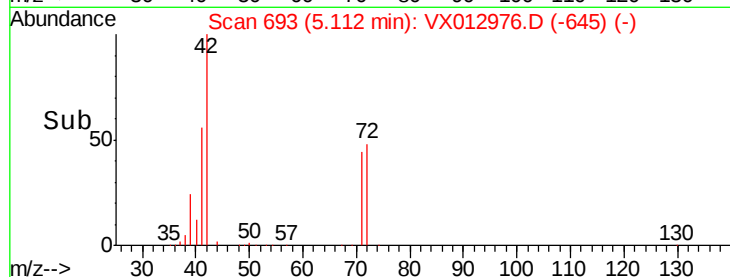
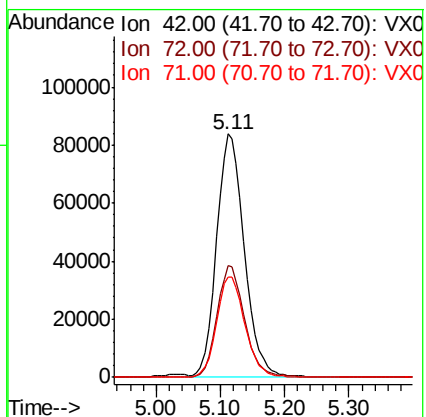
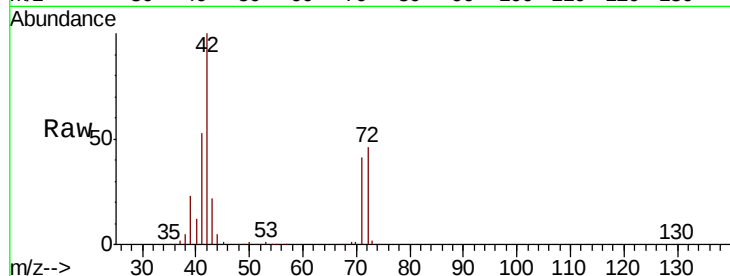
Tot Ion: 42 Resp: 253754

Ion Ratio Lower Upper

42 100

72 45.9 36.9 55.3

71 42.2 33.5 50.3



#30

Chloroform

Concen: 55.582 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX012976.D

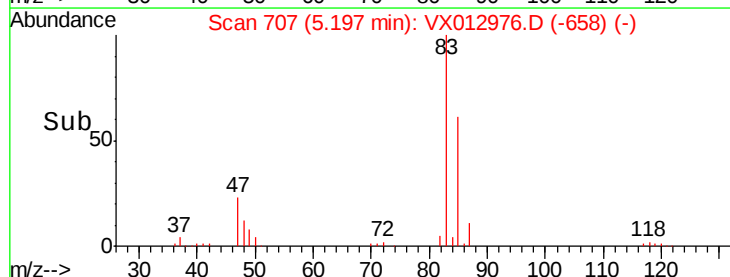
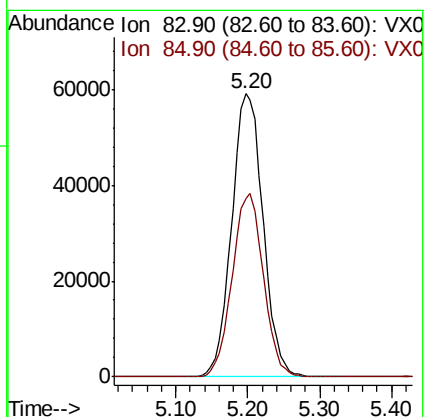
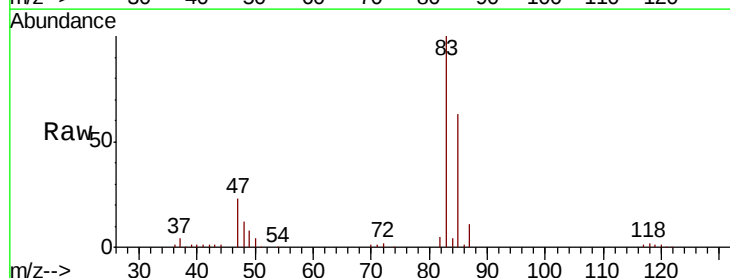
Acq: 10 Oct 2019 05:20

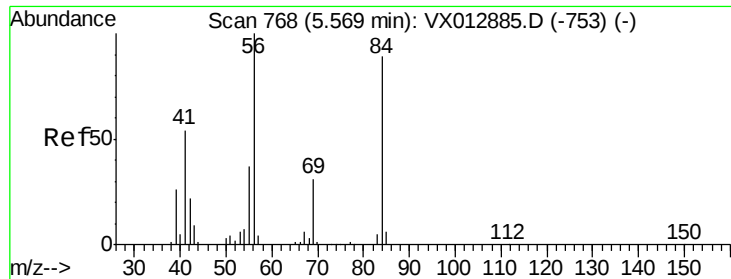
Tgt Ion: 83 Resp: 178727

Ion Ratio Lower Upper

83 100

85 63.2 51.5 77.3

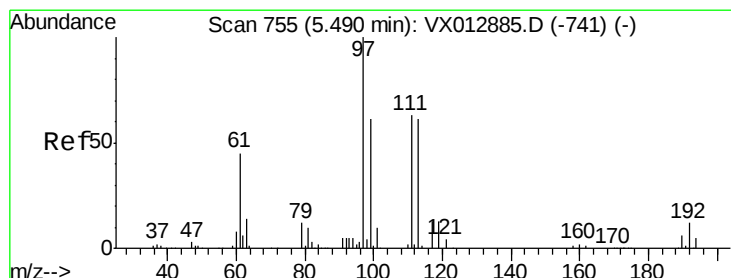
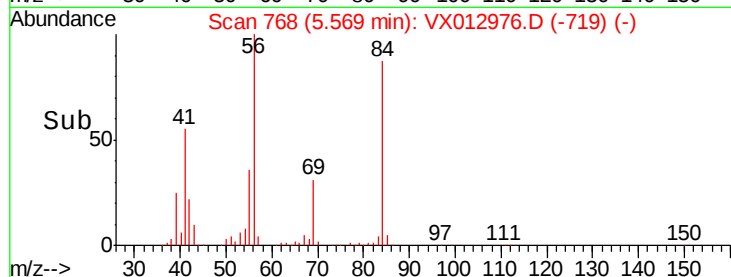
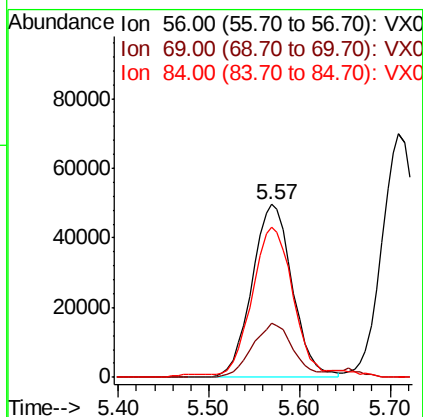
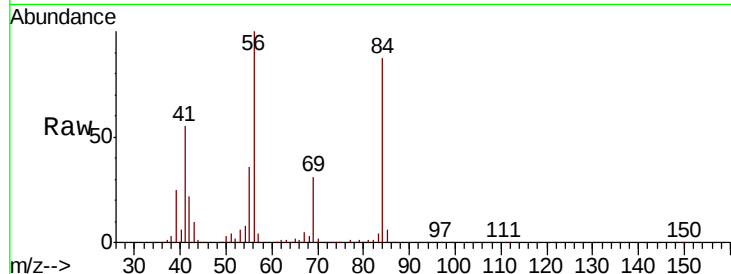




#31
Cyclohexane
Concen: 52.245 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

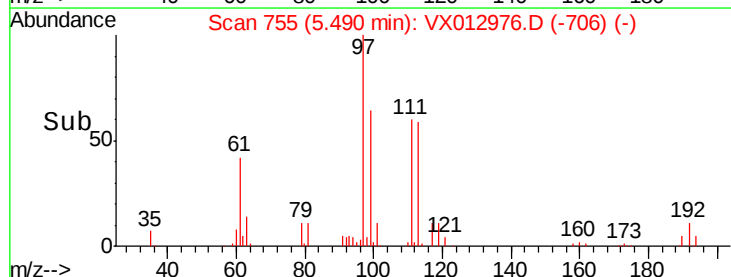
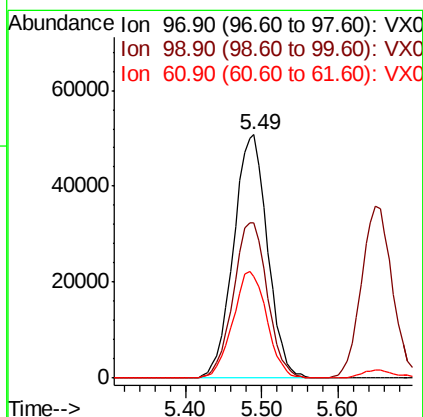
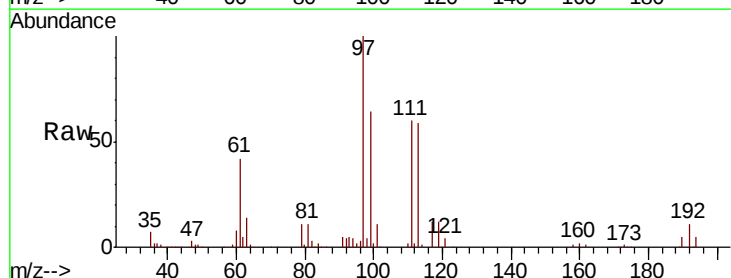
Instrument :
MSVOA_X
ClientSampled :

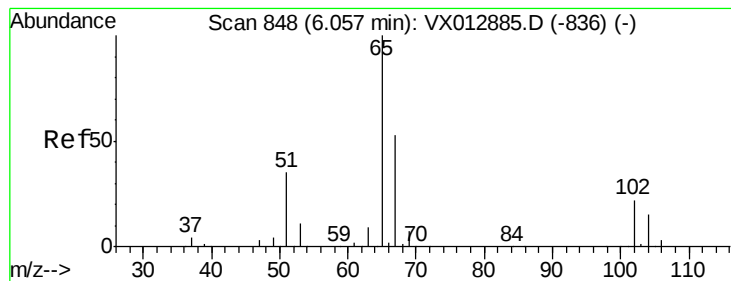
Tot Ion: 56 Resp: 153096
Ion Ratio Lower Upper
56 100
69 31.3 25.2 37.8
84 85.5 71.3 106.9



#32
1,1,1-Trichloroethane
Concen: 57.242 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion: 97 Resp: 155959
Ion Ratio Lower Upper
97 100
99 64.1 52.3 78.5
61 44.0 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 54.585 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

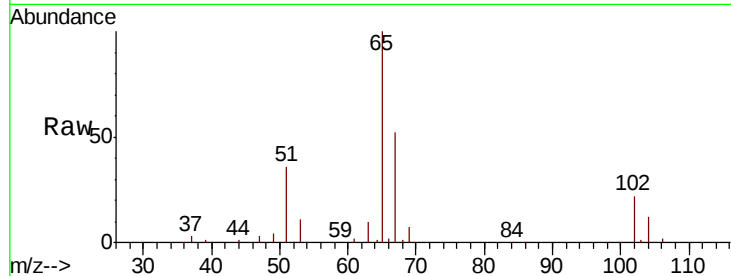
ClientSampleId :

Tot Ion: 65 Resp: 110207

Ion Ratio Lower Upper

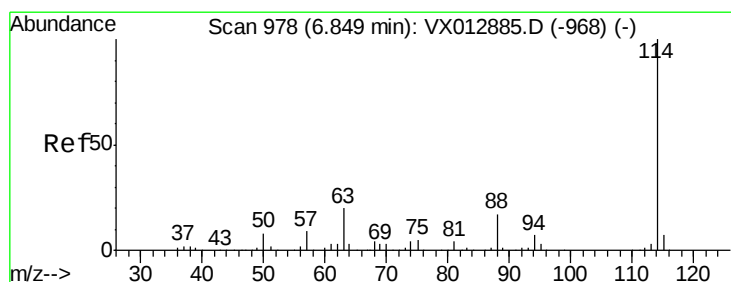
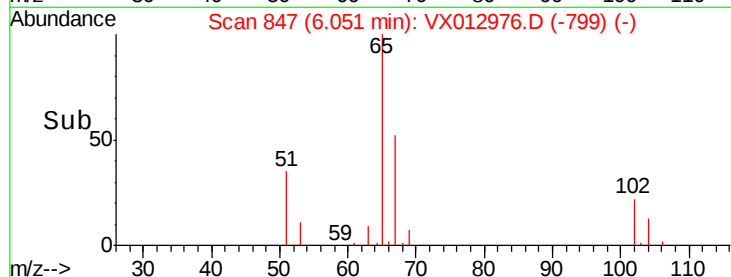
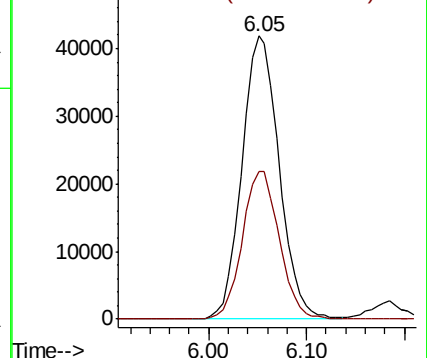
65 100

67 51.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

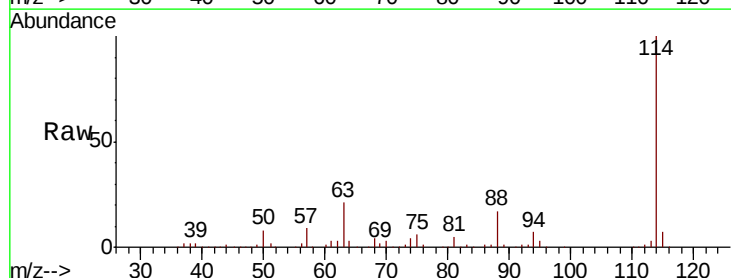
Tgt Ion: 114 Resp: 283395

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

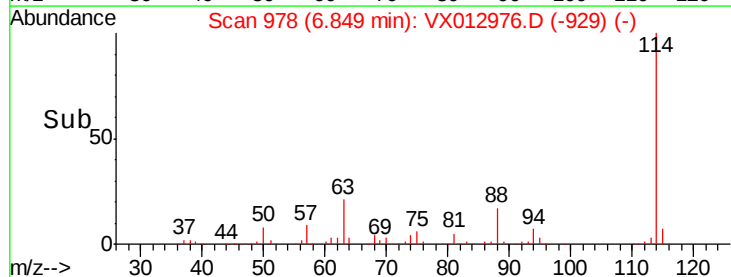
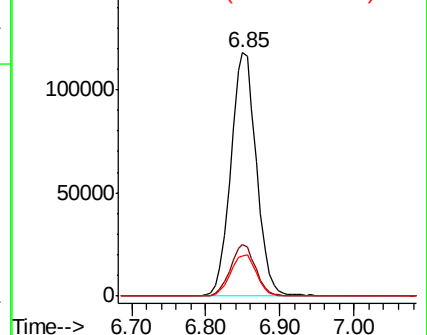
88 16.6 0.0 33.8

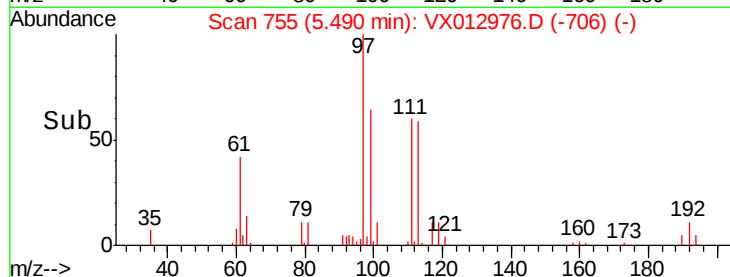
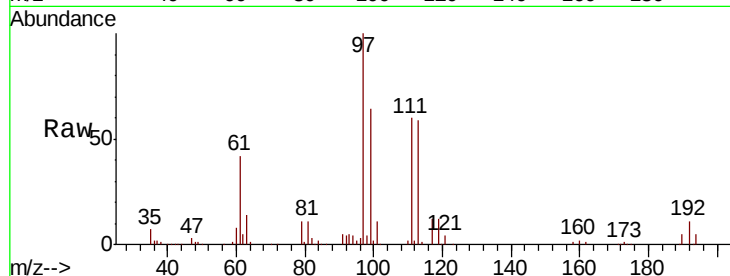
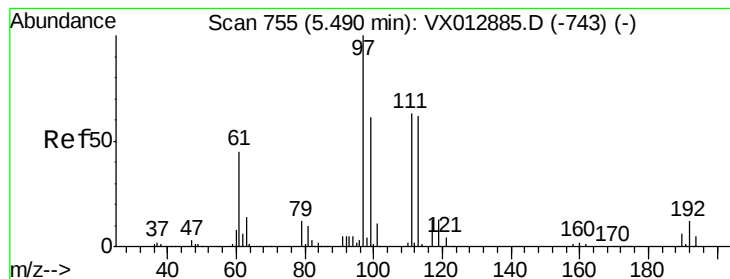


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 53.508 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

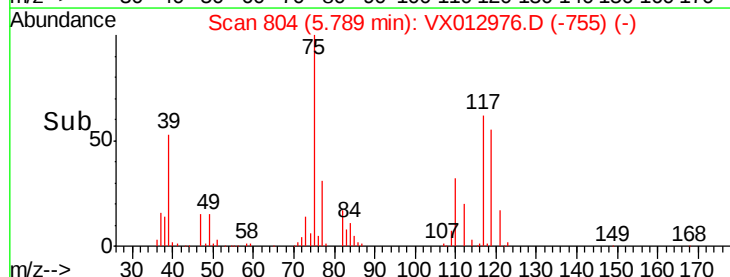
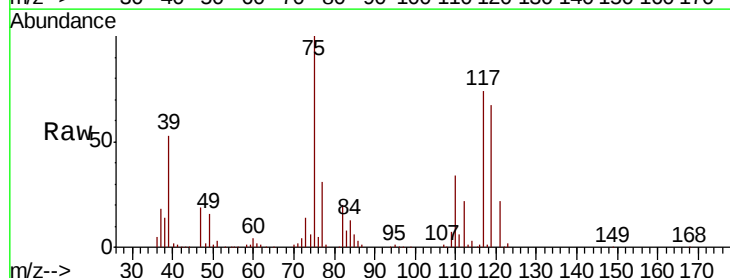
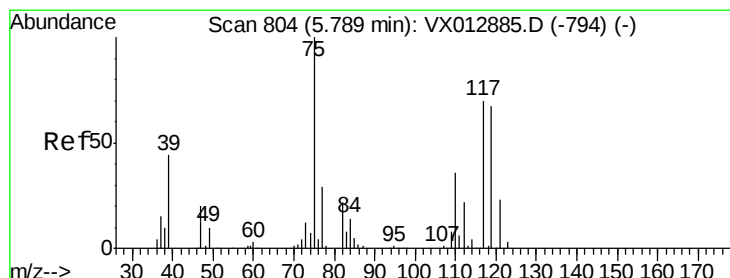
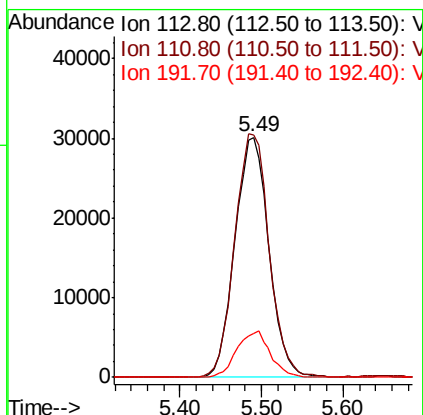
Tot Ion:113 Resp: 87032

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

192 18.9 15.4 23.2



#36

1,1-Dichloropropene

Concen: 53.195 ug/l

RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

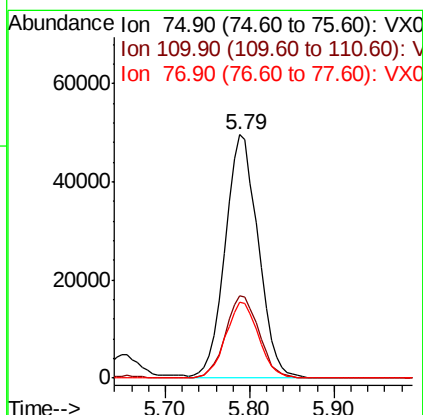
Tgt Ion: 75 Resp: 132543

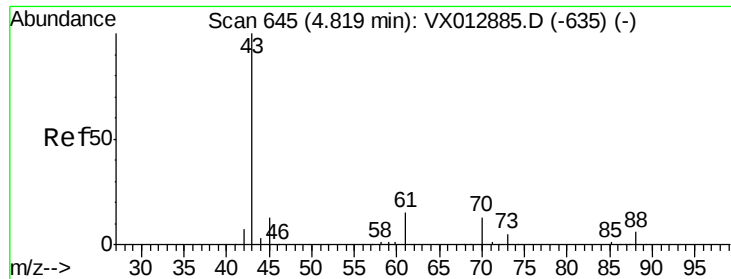
Ion Ratio Lower Upper

75 100

110 34.4 17.6 52.9

77 31.2 24.4 36.6

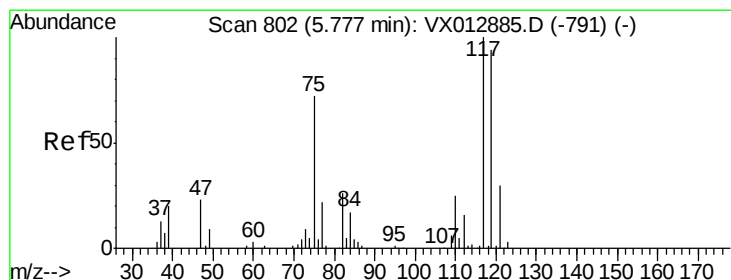
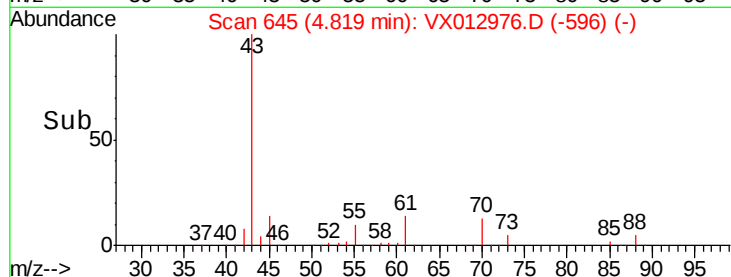
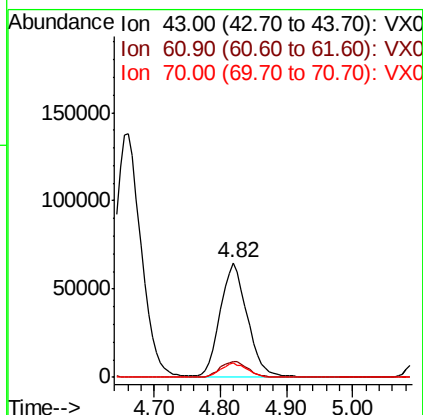
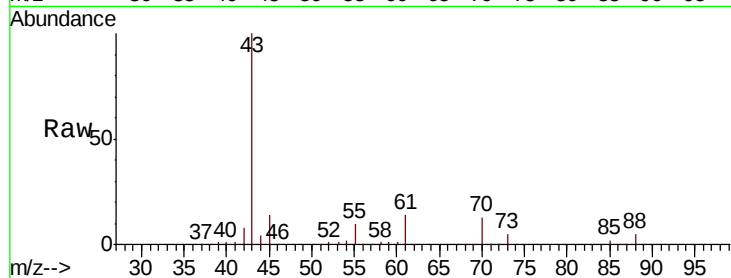




#37
Ethyl Acetate
Concen: 66.583 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

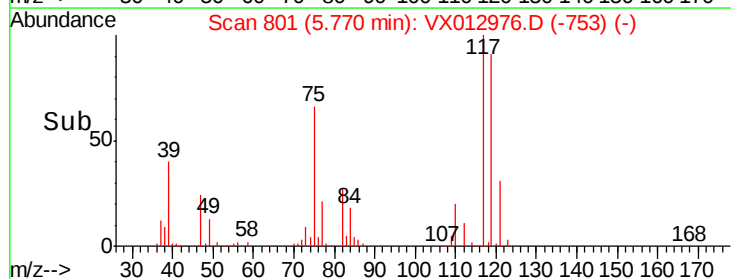
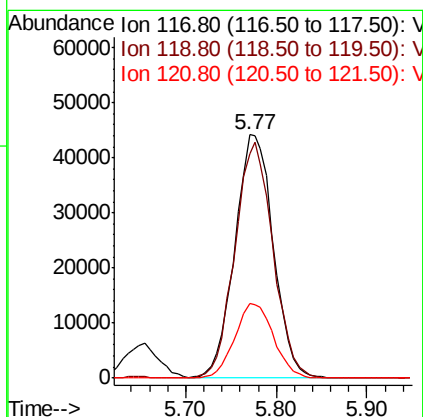
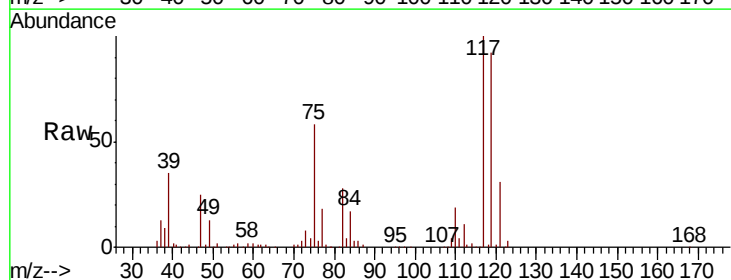
Instrument :
MSVOA_X
ClientSampleId :

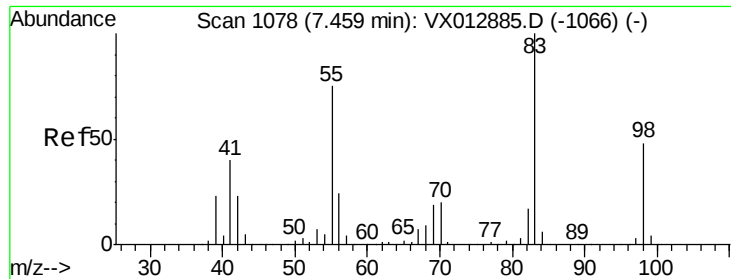
Tot Ion: 43 Resp: 185509
Ion Ratio Lower Upper
43 100
61 14.4 11.4 17.0
70 12.1 9.8 14.6



#38
Carbon Tetrachloride
Concen: 53.613 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion: 117 Resp: 130023
Ion Ratio Lower Upper
117 100
119 92.2 74.5 111.7
121 30.9 24.2 36.4

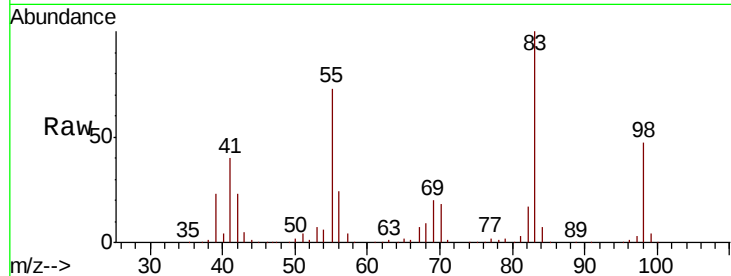




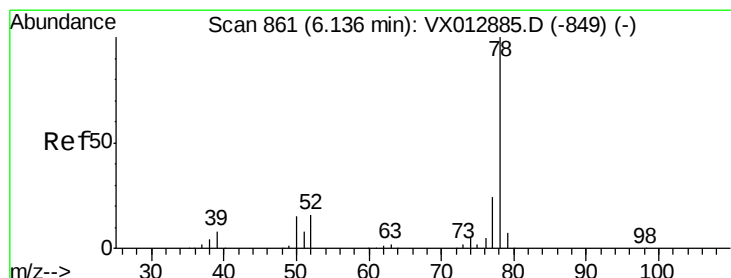
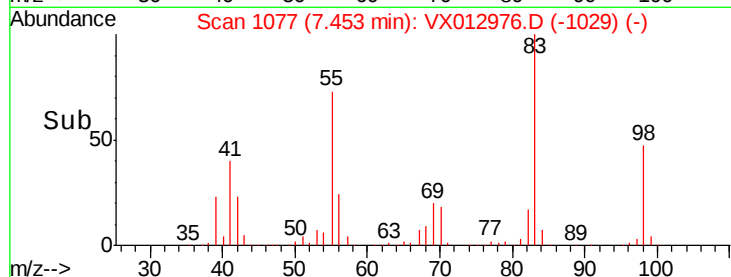
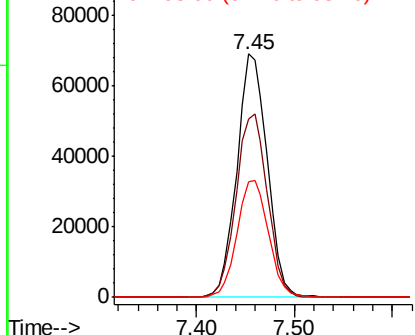
#39
Methylvlcyclohexane
Concen: 49.092 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 148341
Ion Ratio Lower Upper
83 100
55 73.4 60.2 90.4
98 47.3 38.5 57.7

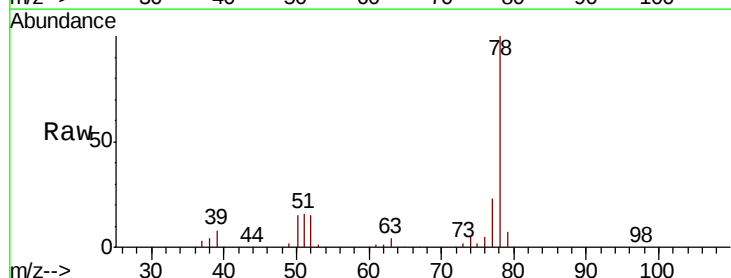


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

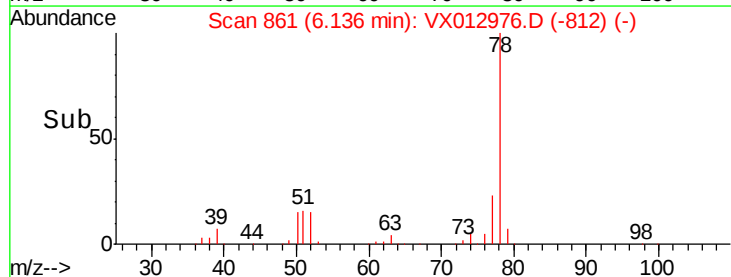
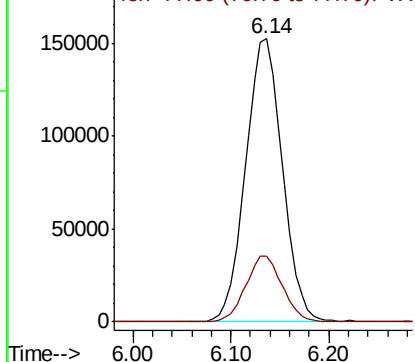


#40
Benzene
Concen: 54.350 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion: 78 Resp: 399965
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 52.932 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 81036

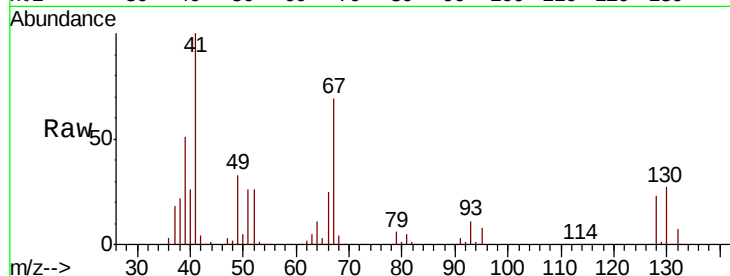
Ion Ratio Lower Upper

41 100

39 53.7 44.0 66.0

67 74.5 58.5 87.7

52 29.3 23.8 35.8

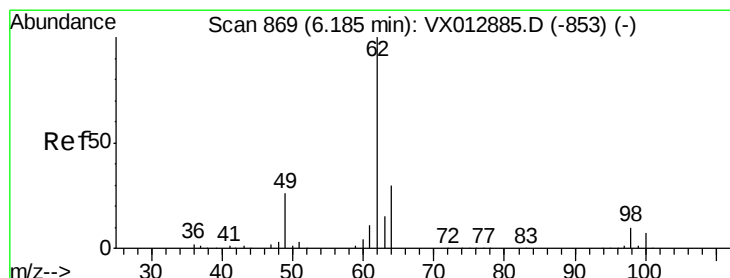
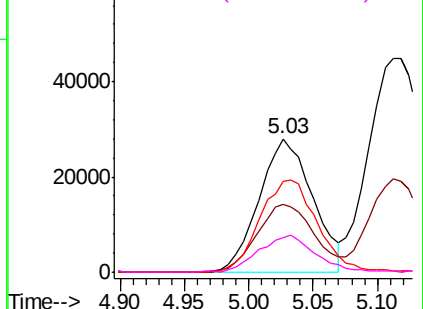
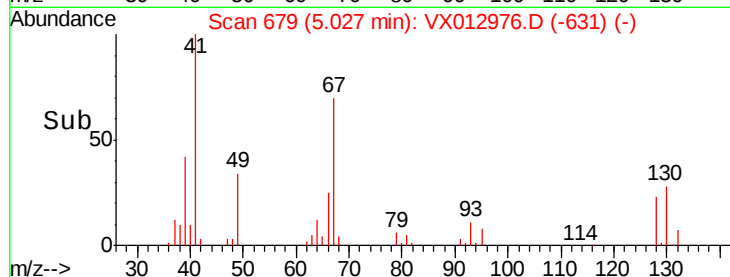


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 54.806 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX012976.D

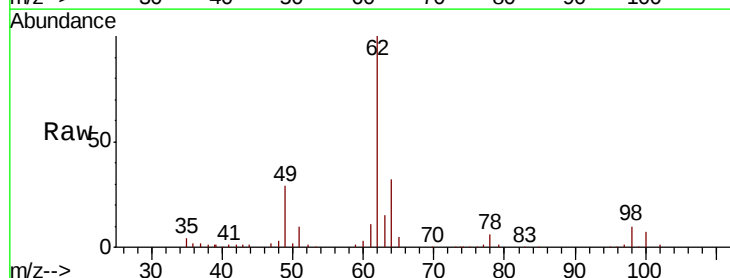
Acq: 10 Oct 2019 05:20

Tgt Ion: 62 Resp: 144723

Ion Ratio Lower Upper

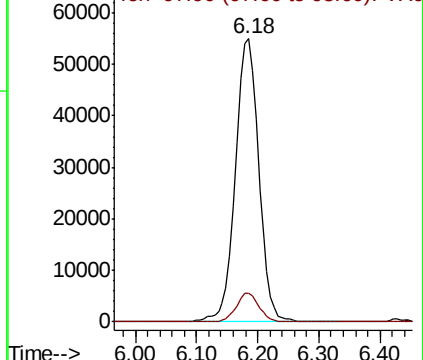
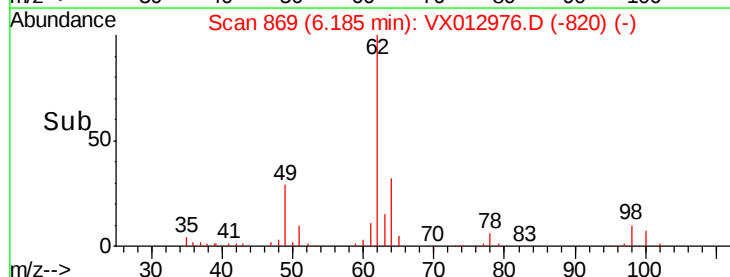
62 100

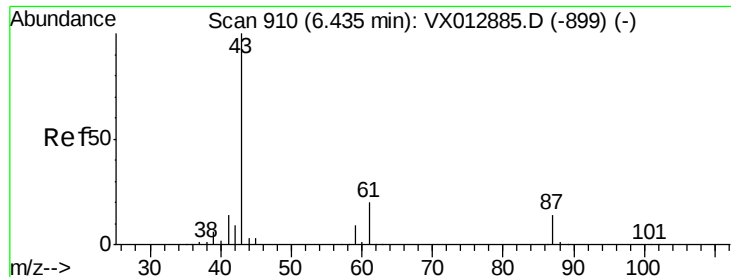
98 9.7 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 51.037 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

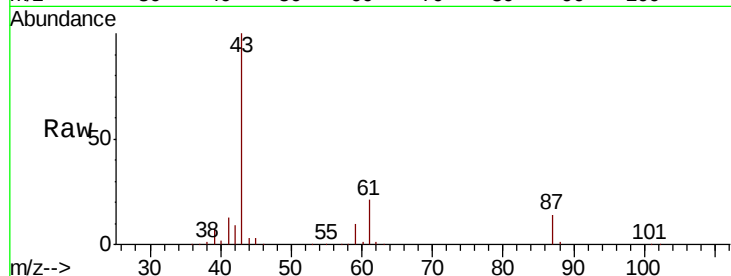
Tot Ion: 43 Resp: 228225

Ion Ratio Lower Upper

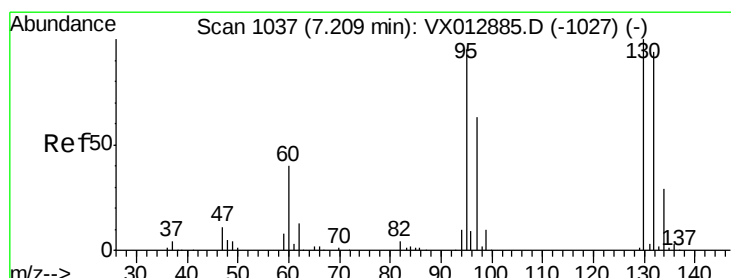
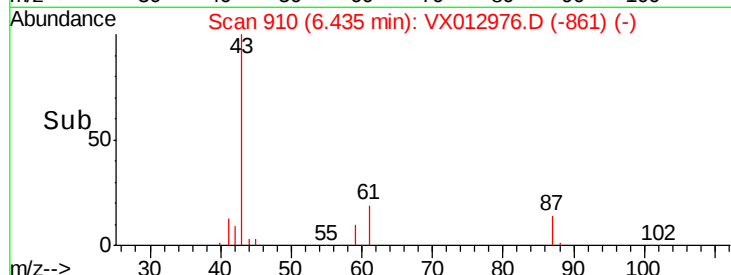
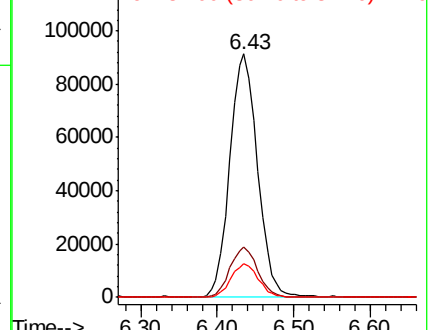
43 100

61 20.7 16.6 24.8

87 13.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 51.864 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX012976.D

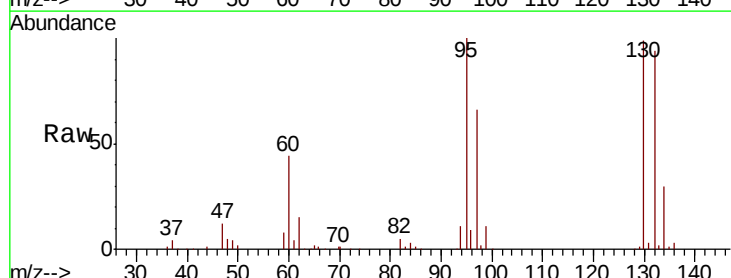
Acq: 10 Oct 2019 05:20

Tgt Ion:130 Resp: 105838

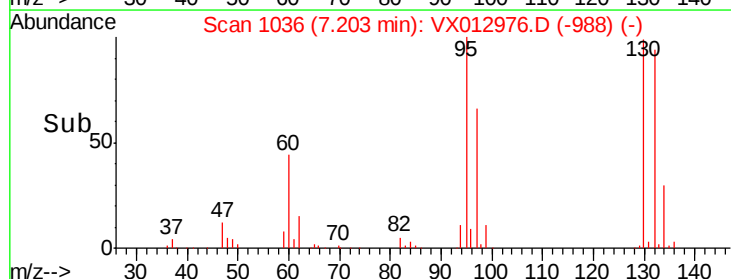
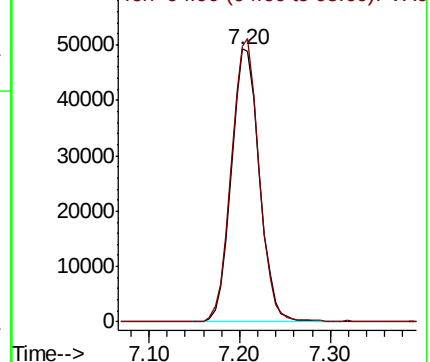
Ion Ratio Lower Upper

130 100

95 101.2 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

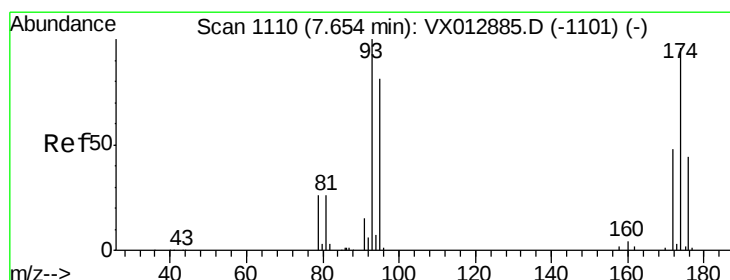
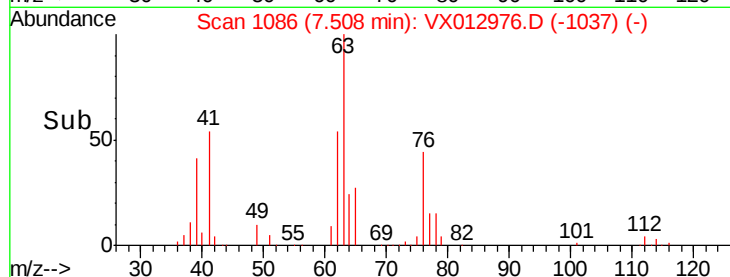
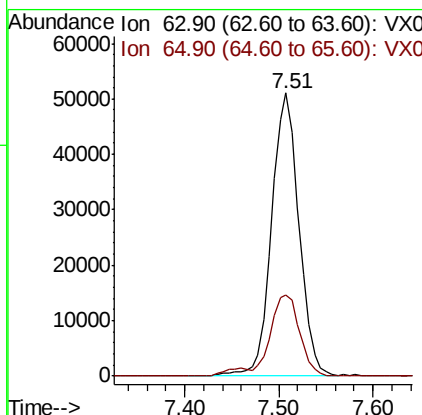
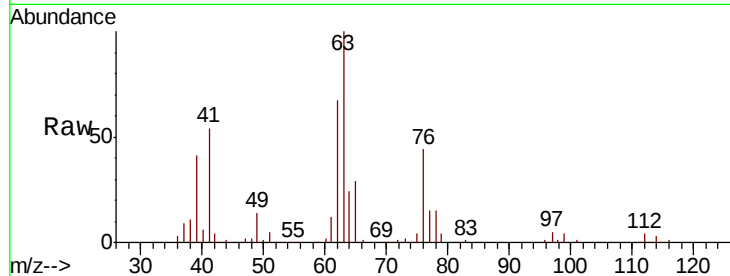




#45
 1,2-Dichloropropane
 Concen: 55.200 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

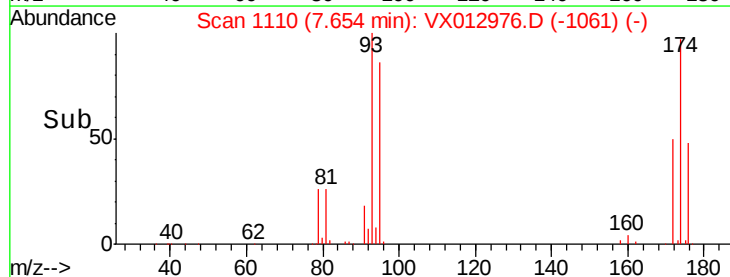
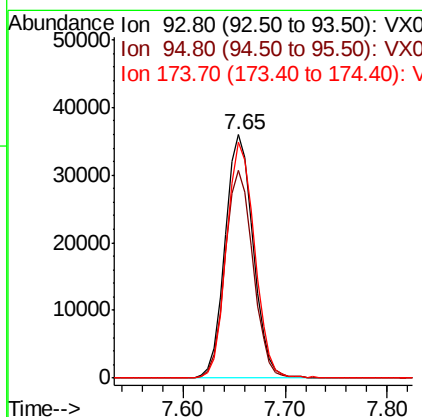
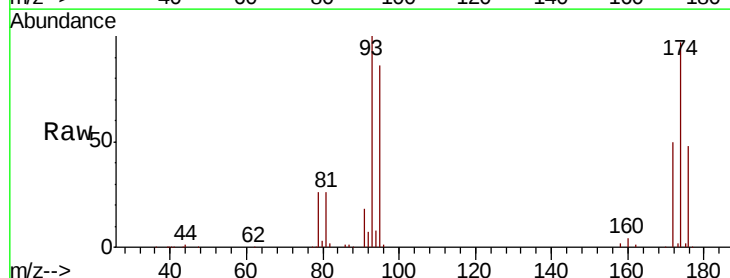
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 63 Resp: 103532
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.6 37.0



#46
 Dibromomethane
 Concen: 55.020 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion: 93 Resp: 68754
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.3 99.5
 174 96.8 77.8 116.6





#47

Bromodichloromethane

Concen: 55.806 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampled :

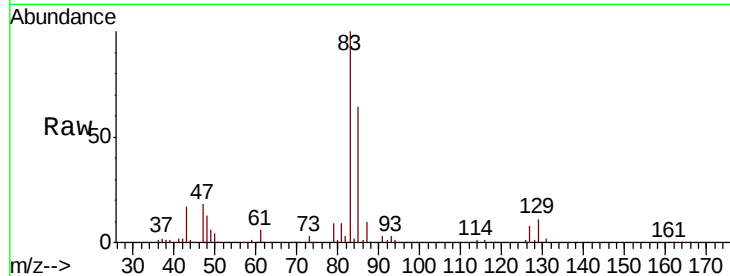
Tot Ion: 83 Resp: 136091

Ion Ratio Lower Upper

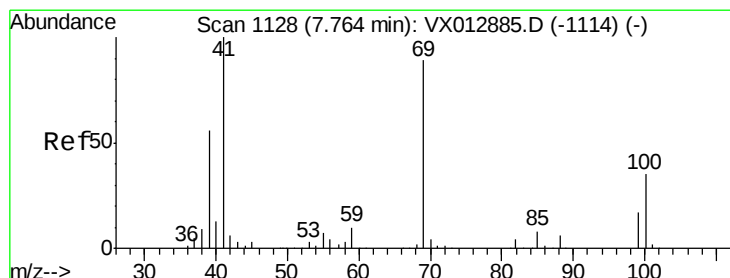
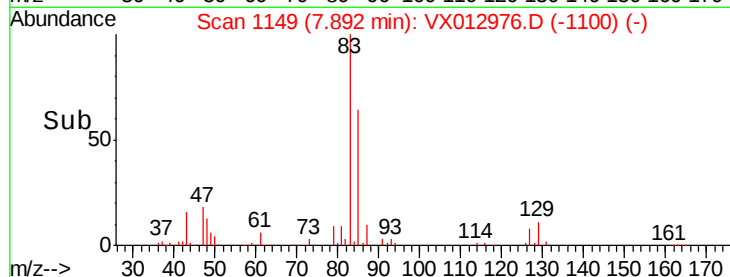
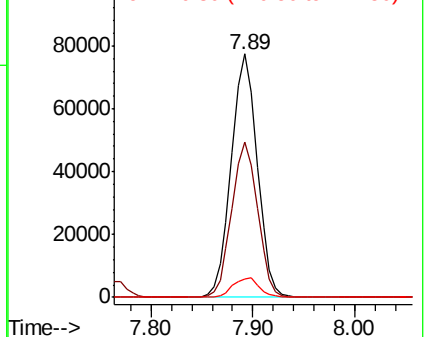
83 100

85 63.7 52.4 78.6

127 7.8 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.169 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

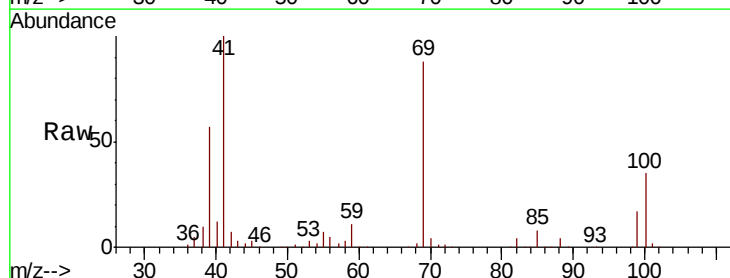
Tgt Ion: 41 Resp: 118042

Ion Ratio Lower Upper

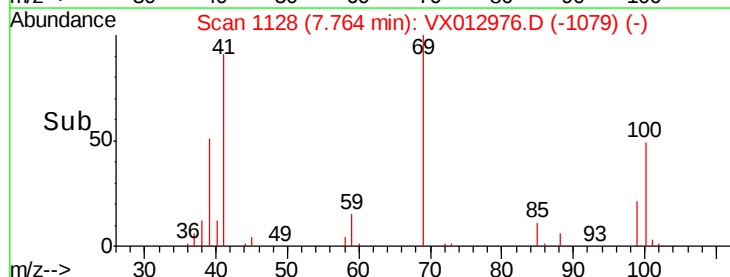
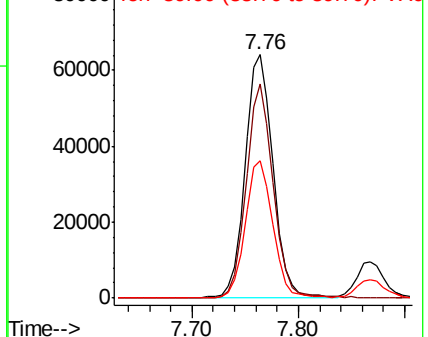
41 100

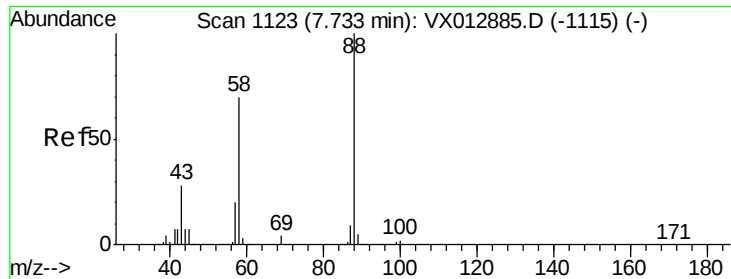
69 85.2 68.7 103.1

39 56.0 44.3 66.5



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

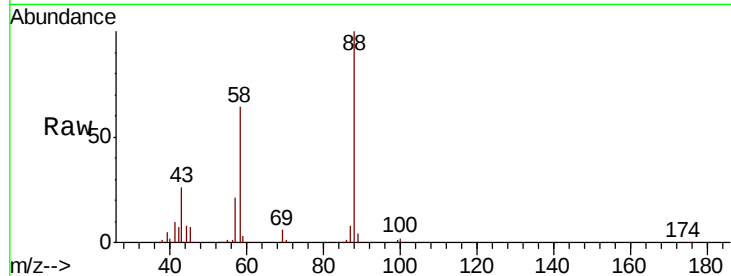




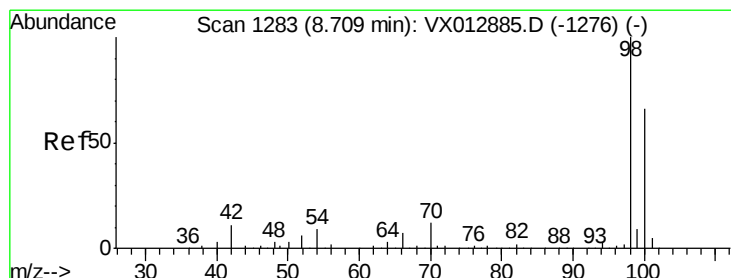
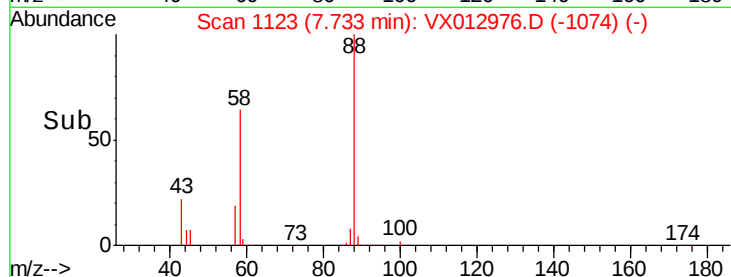
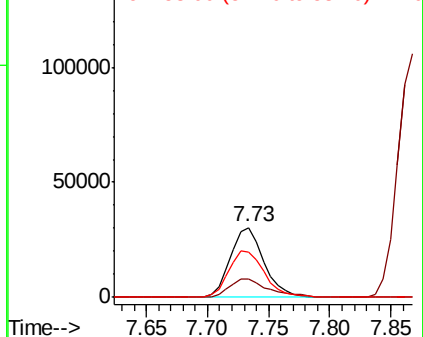
#49
1,4-Dioxane
Concen: 986.470 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 57659
Ion Ratio Lower Upper
88 100
43 30.9 25.0 37.6
58 71.0 55.4 83.2

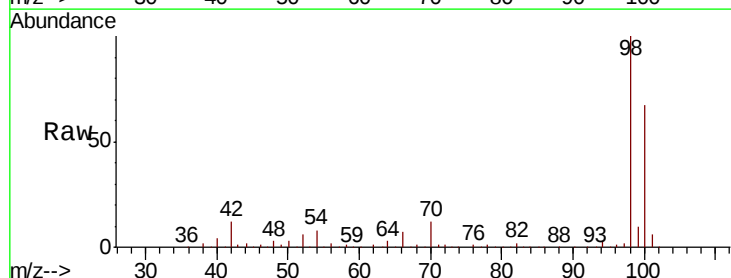


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

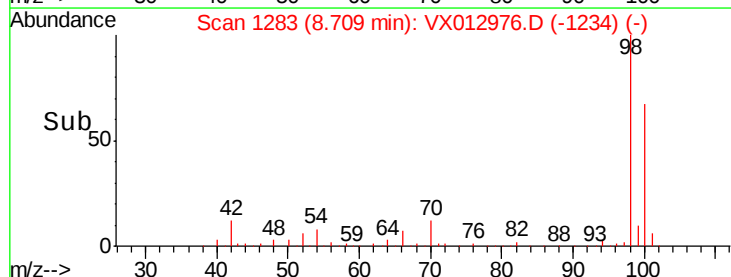
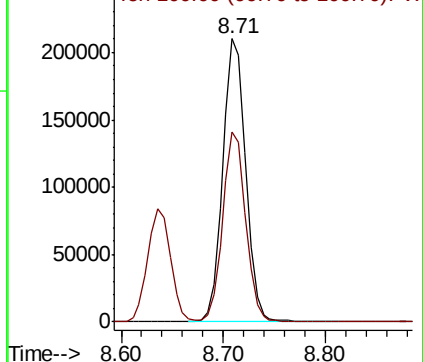


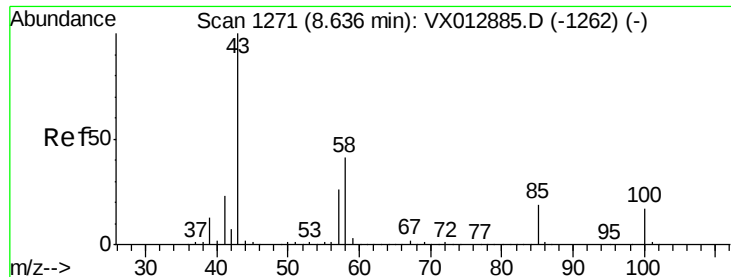
#50
Toluene-d8
Concen: 51.685 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion: 98 Resp: 327887
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 269.970 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

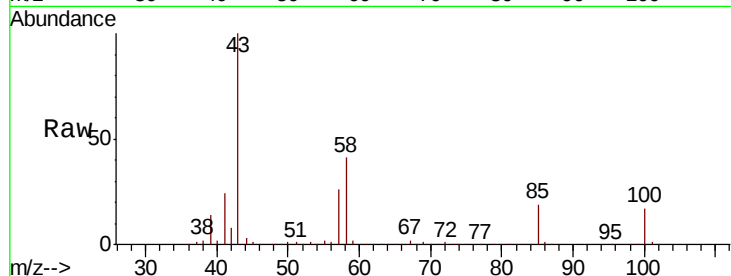
ClientSampled :

Tot Ion: 43 Resp: 752694

Ion Ratio Lower Upper

43 100

58 40.7 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

500000

400000

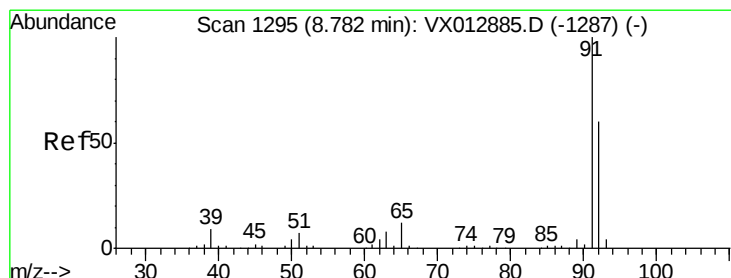
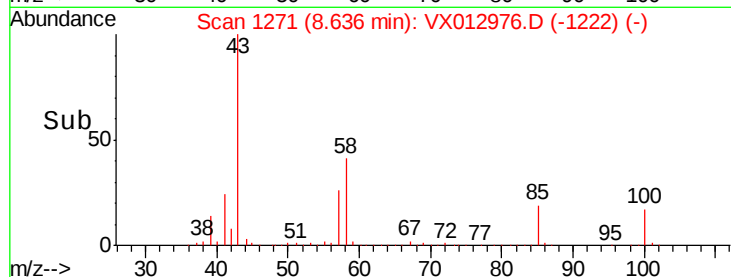
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.579 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012976.D

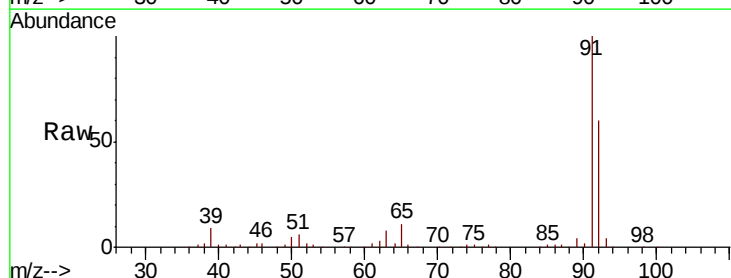
Acq: 10 Oct 2019 05:20

Tgt Ion: 92 Resp: 252251

Ion Ratio Lower Upper

92 100

91 169.0 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

250000

200000

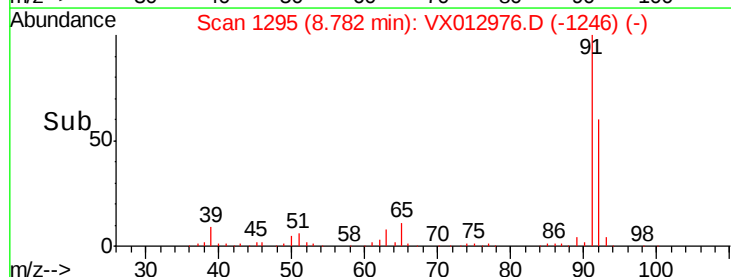
150000

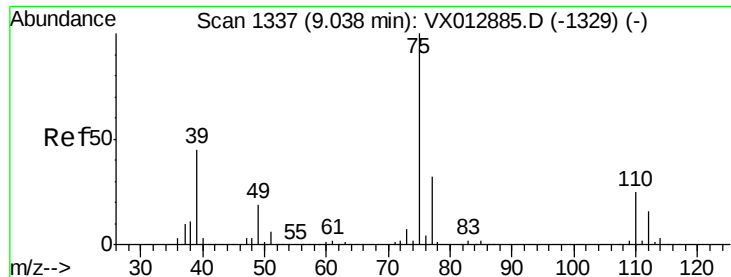
100000

50000

0

Time-->

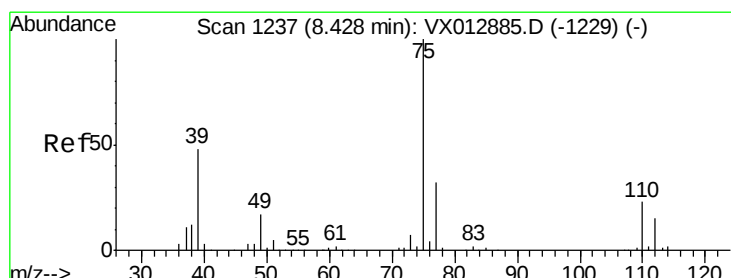
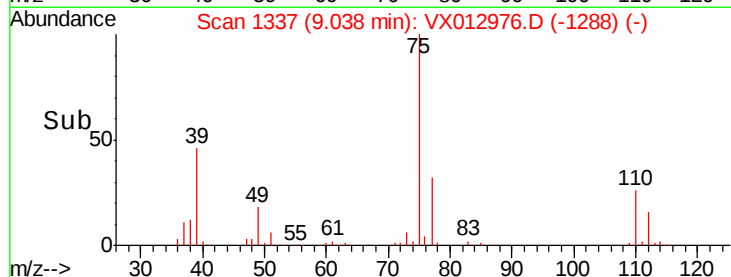
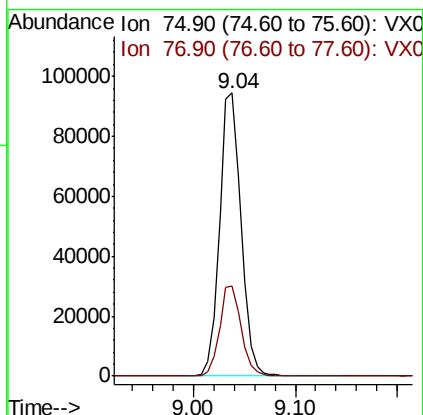
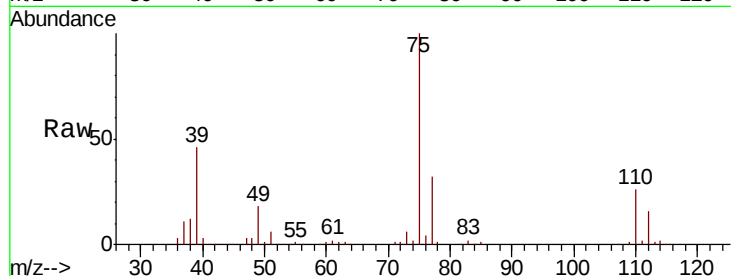




#53
 t-1,3-Dichloropropene
 Concen: 46.097 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

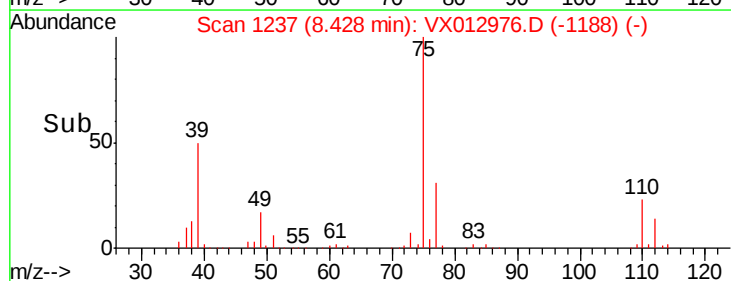
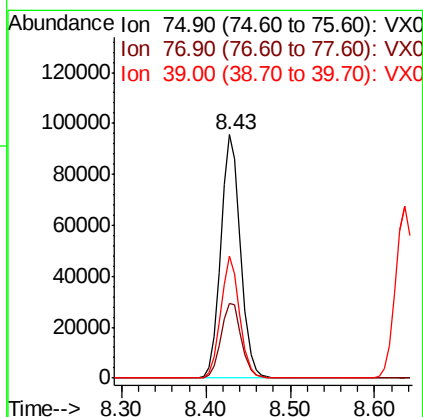
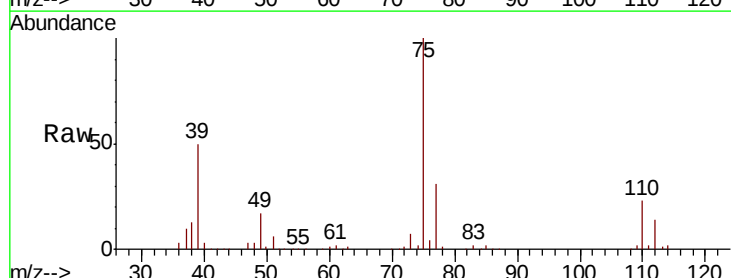
Instrument :
 MSVOA_X
 ClientSampled :

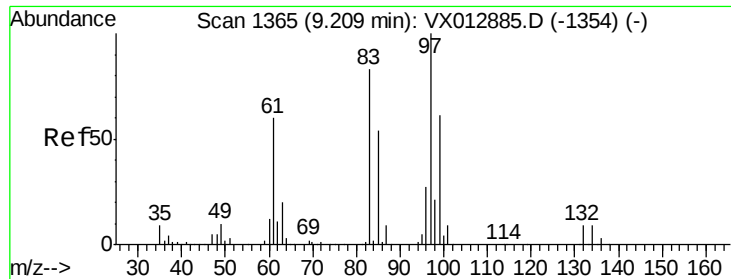
Tot Ion: 75 Resp: 139750
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 51.055 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion: 75 Resp: 153129
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.8 38.8
 39 50.1 38.2 57.2

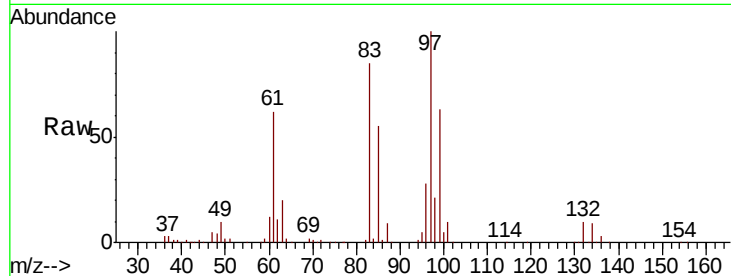




#55
 1,1,2-Trichloroethane
 Concen: 55.142 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	102739
Ion	Ratio	Lower	Upper
97	100		
83	84.8	66.5	99.7
85	55.1	43.1	64.7
99	63.0	49.2	73.8



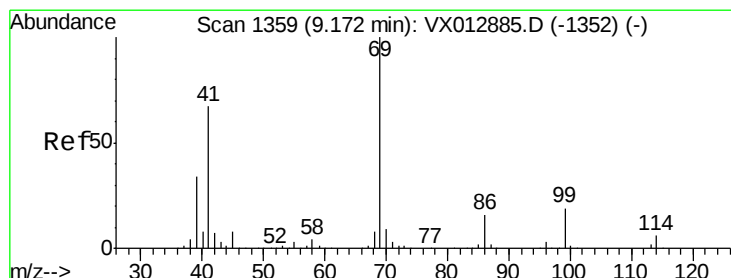
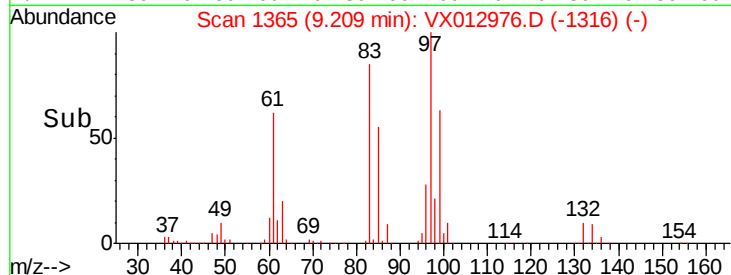
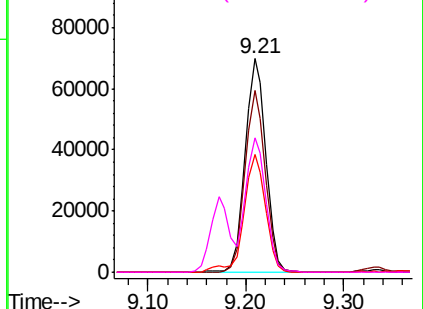
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

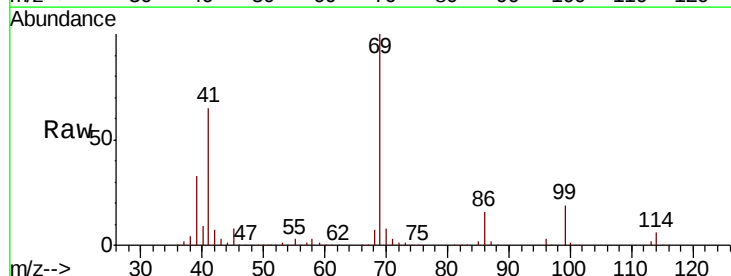
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 50.585 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion:	69	Resp:	168844
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.1	78.1
39	34.1	27.8	41.8

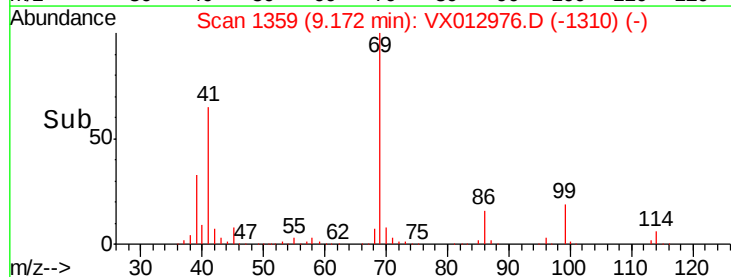
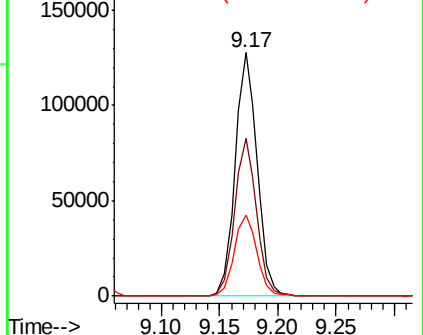


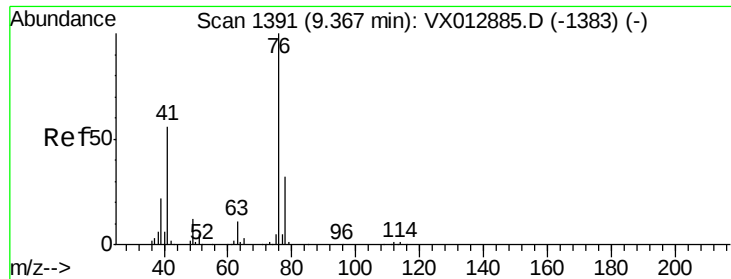
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 54.134 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

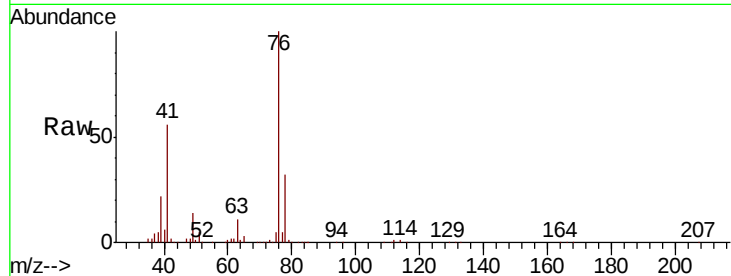
ClientSampled :

Tot Ion: 76 Resp: 174468

Ion Ratio Lower Upper

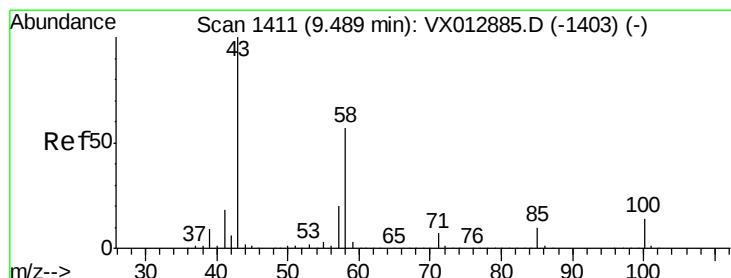
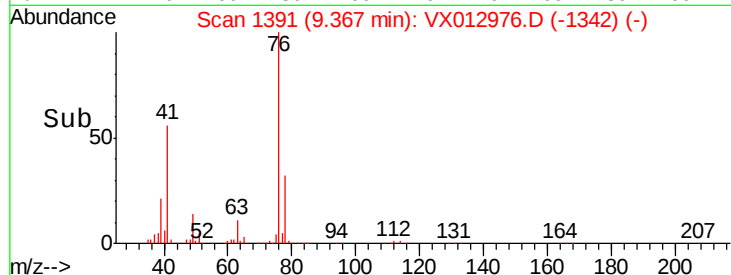
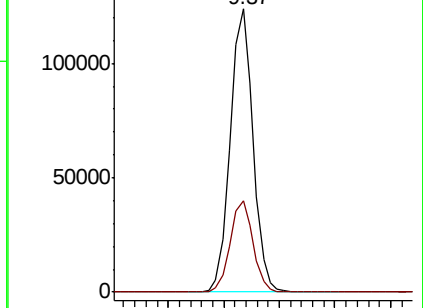
76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 266.367 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX012976.D

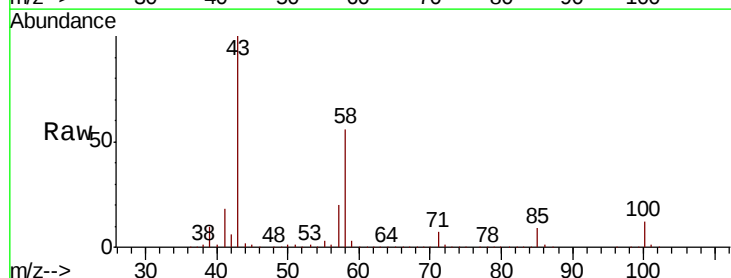
Acq: 10 Oct 2019 05:20

Tgt Ion: 43 Resp: 578106

Ion Ratio Lower Upper

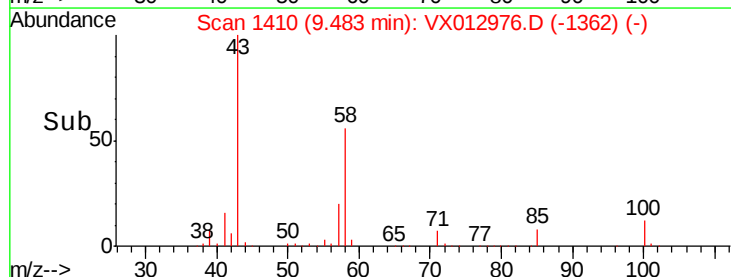
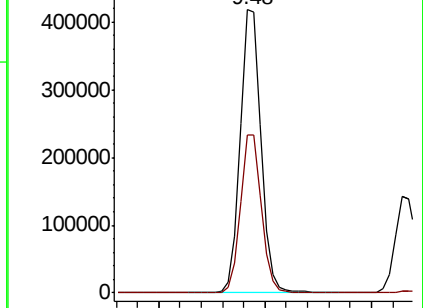
43 100

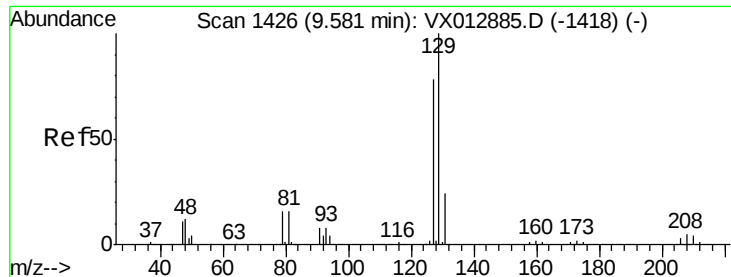
58 56.3 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 50.183 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

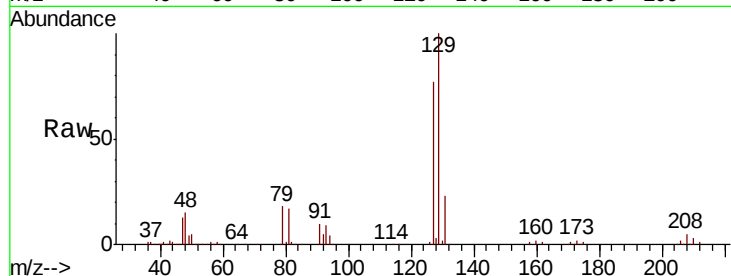
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 104063

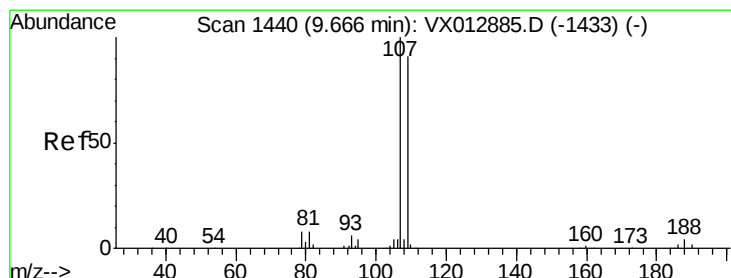
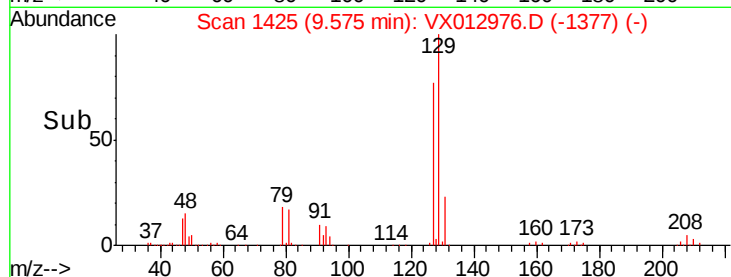
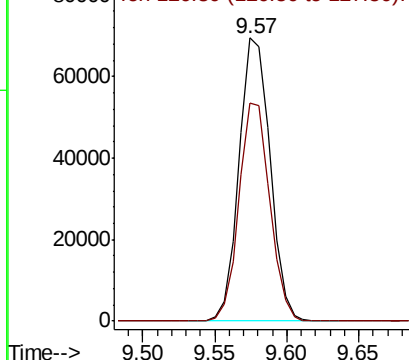
Ion Ratio Lower Upper

129 100

127 76.4 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.641 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012976.D

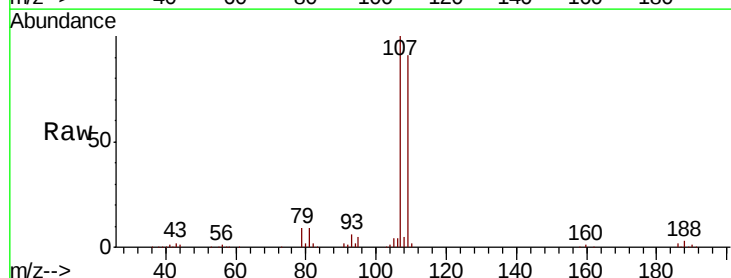
Acq: 10 Oct 2019 05:20

Tgt Ion:107 Resp: 107093

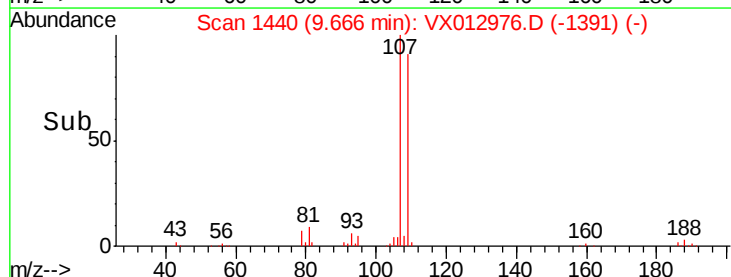
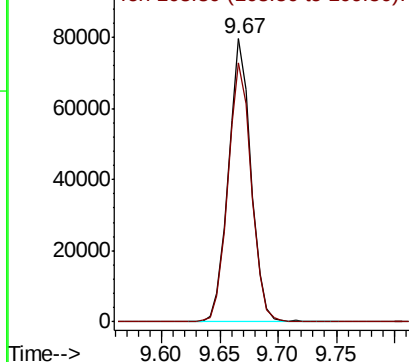
Ion Ratio Lower Upper

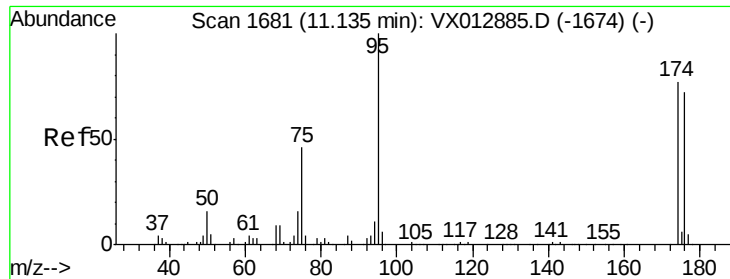
107 100

109 94.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.104 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

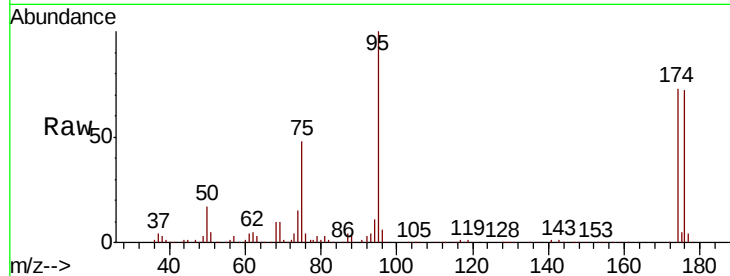
Tot Ion: 95 Resp: 125969

Ion Ratio Lower Upper

95 100

174 70.6 0.0 143.4

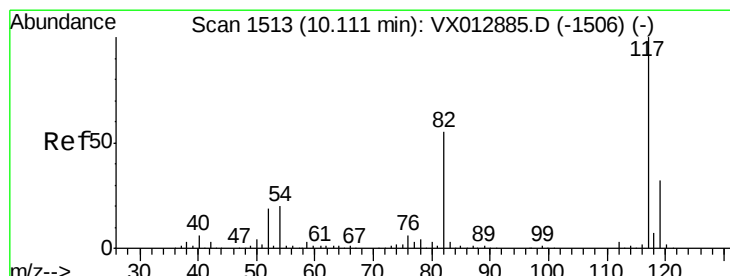
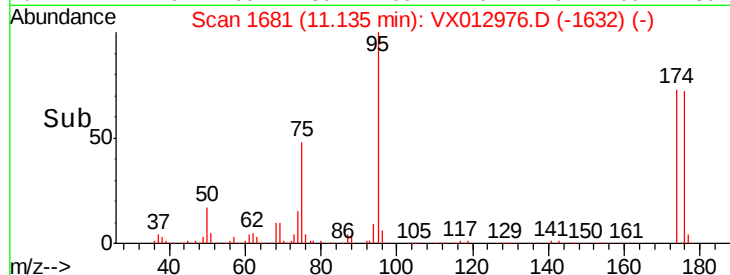
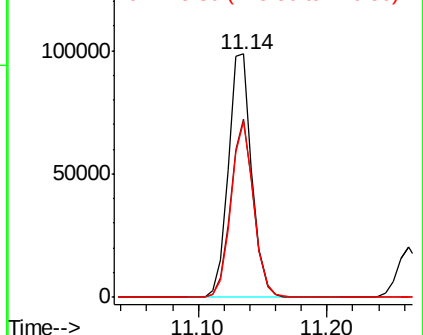
176 69.5 0.0 136.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

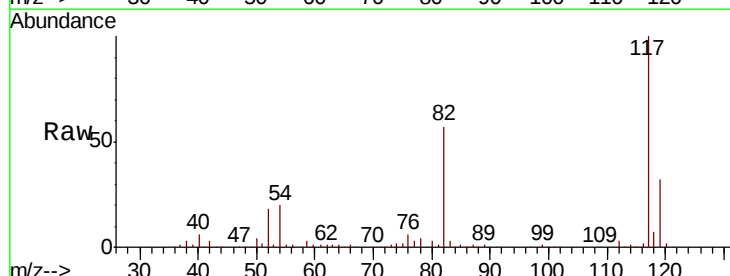
Tgt Ion: 117 Resp: 257487

Ion Ratio Lower Upper

117 100

82 56.5 44.1 66.1

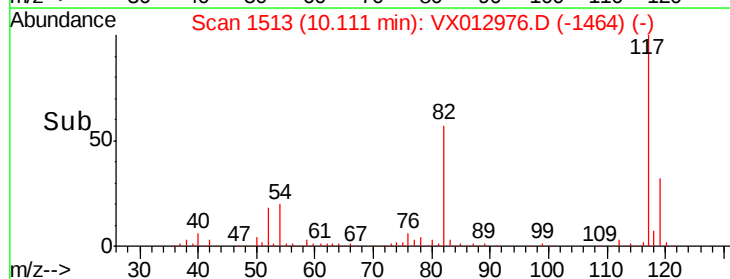
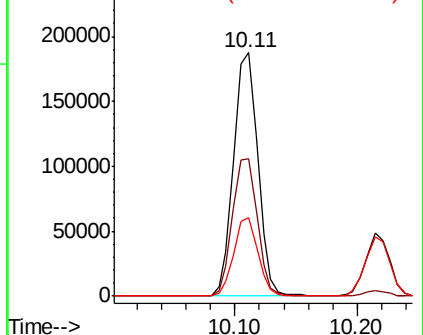
119 32.1 25.8 38.8

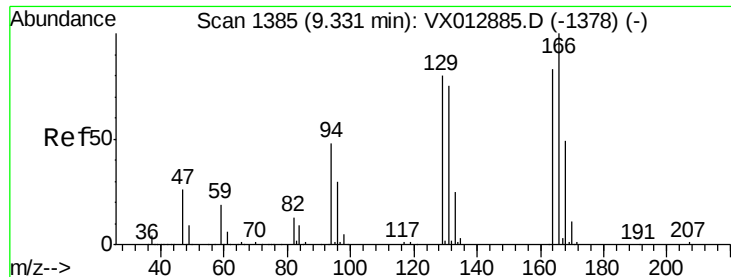


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 58.238 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 104008

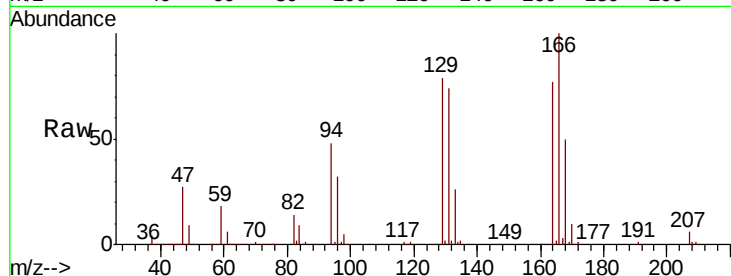
Ion Ratio Lower Upper

164 100

166 129.7 96.9 145.3

129 102.8 77.9 116.9

131 95.5 72.7 109.1

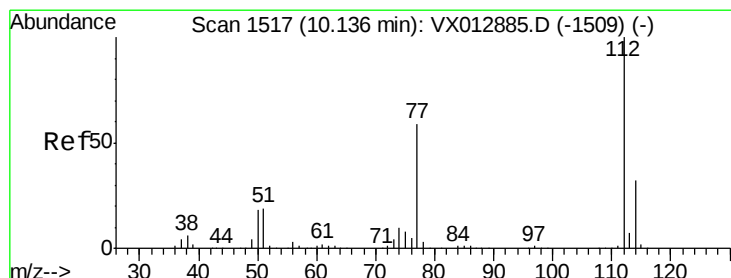
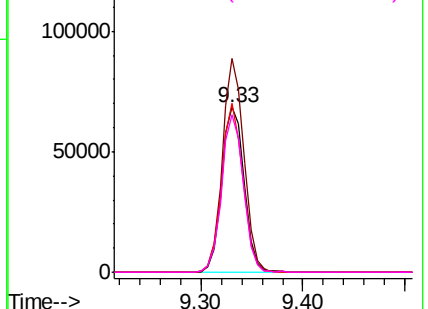
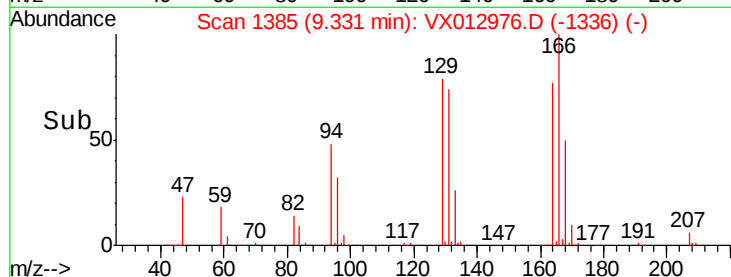


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 51.784 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012976.D

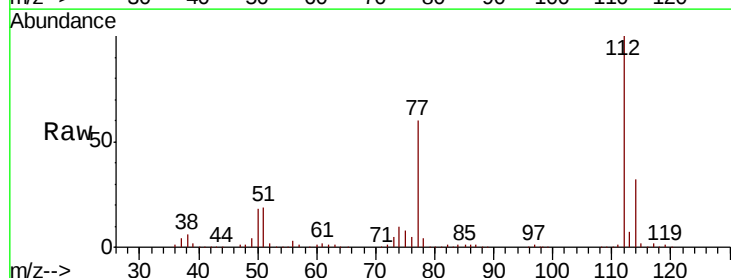
Acq: 10 Oct 2019 05:20

Tgt Ion:112 Resp: 264788

Ion Ratio Lower Upper

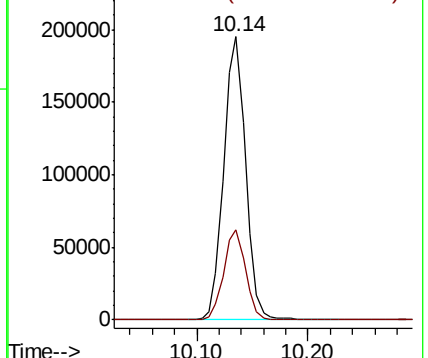
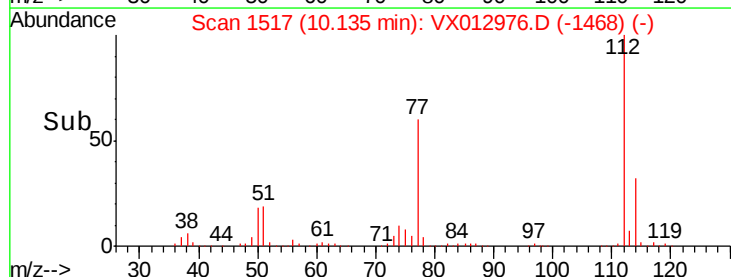
112 100

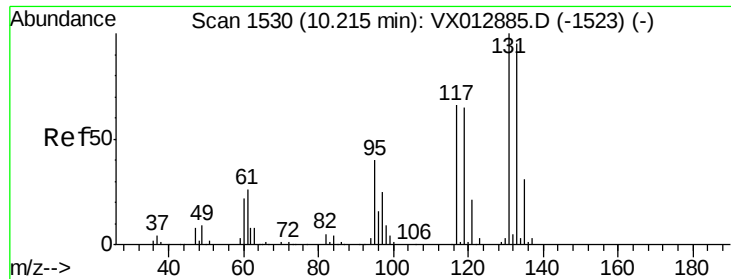
114 32.0 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

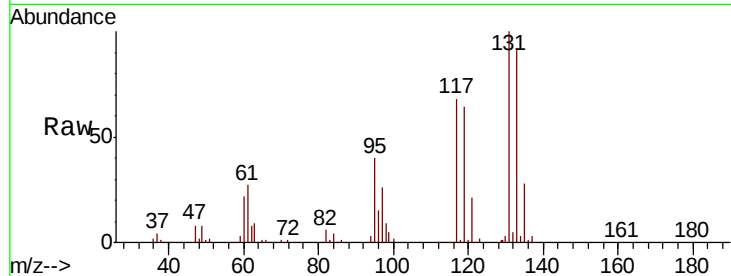




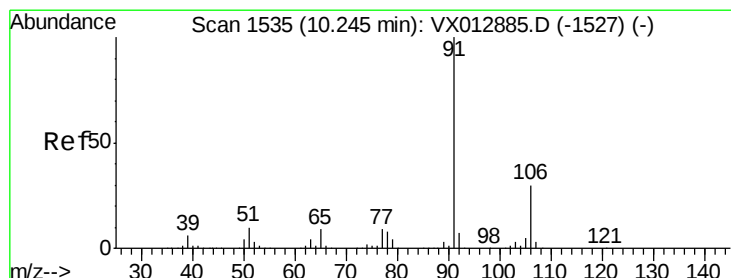
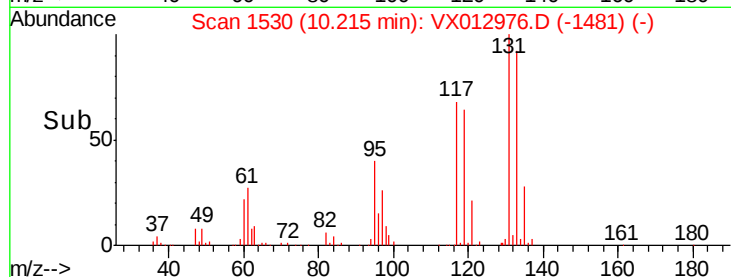
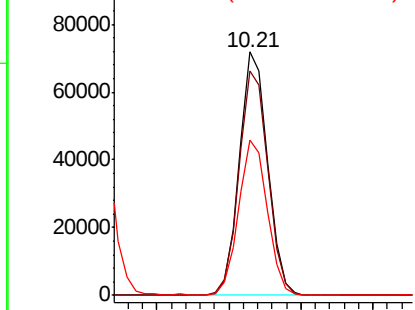
#66
 1,1,1,2-Tetrachloroethane
 Concen: 55.096 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:131 Resp: 97680
 Ion Ratio Lower Upper
 131 100
 133 94.2 47.2 141.6
 119 64.8 32.6 98.0

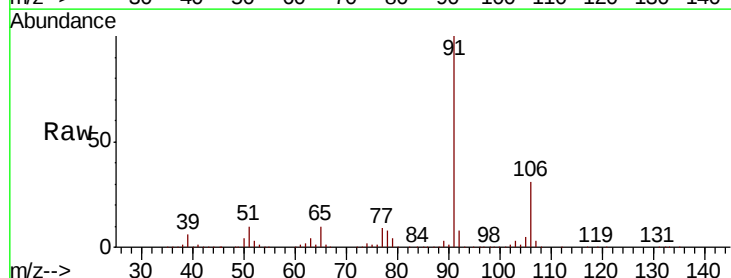


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

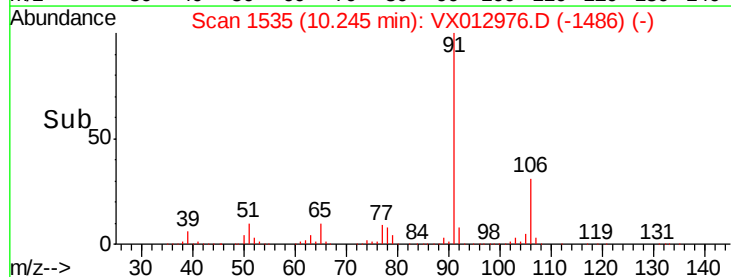
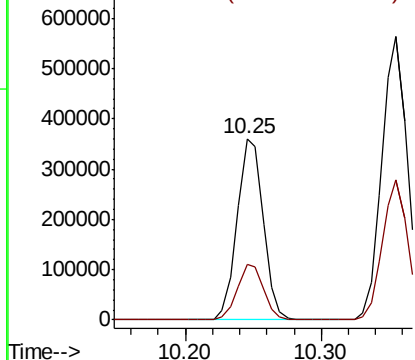


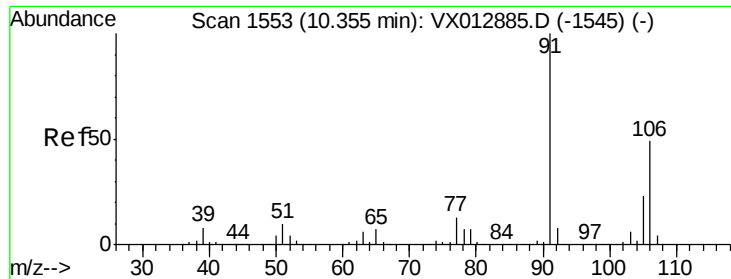
#67
 Ethyl Benzene
 Concen: 53.009 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion: 91 Resp: 481463
 Ion Ratio Lower Upper
 91 100
 106 30.9 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 106.00 (105.70 to 106.70): V

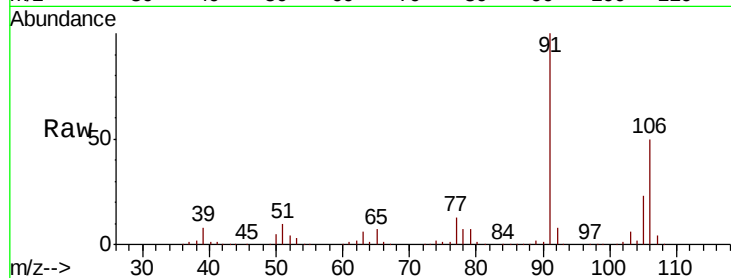




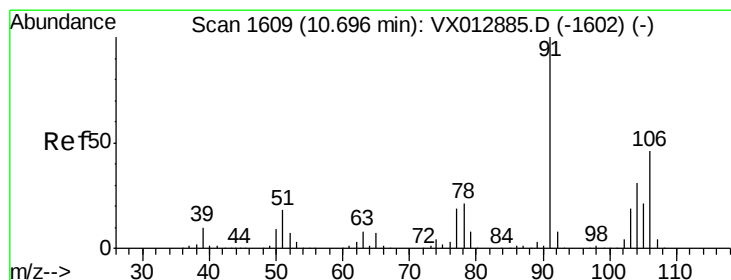
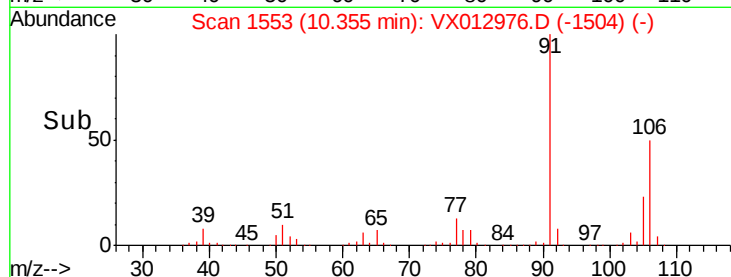
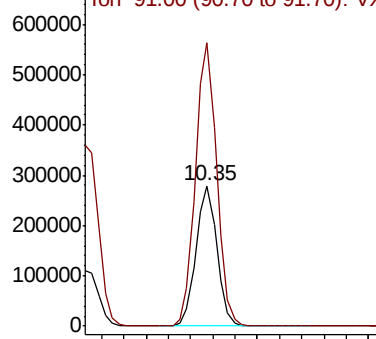
#68
m/p-Xylenes
Concen: 106.940 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 362859
Ion Ratio Lower Upper
106 100
91 205.1 165.3 247.9

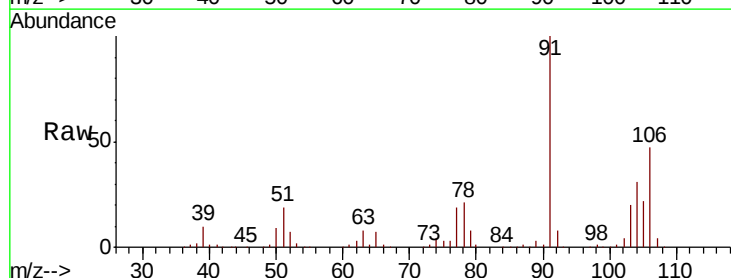


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

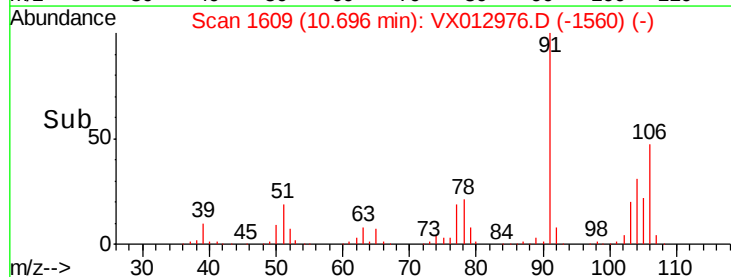
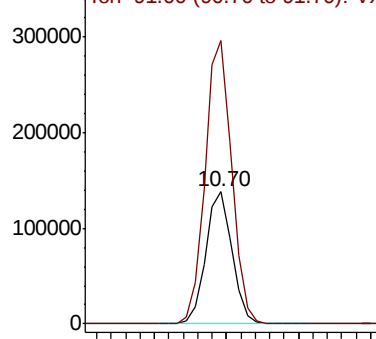


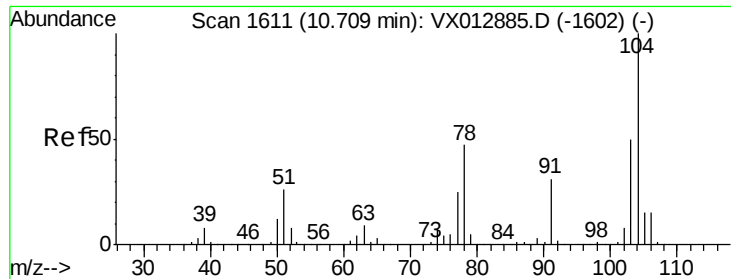
#69
o-Xylene
Concen: 53.117 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion:106 Resp: 175757
Ion Ratio Lower Upper
106 100
91 217.6 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 54.309 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

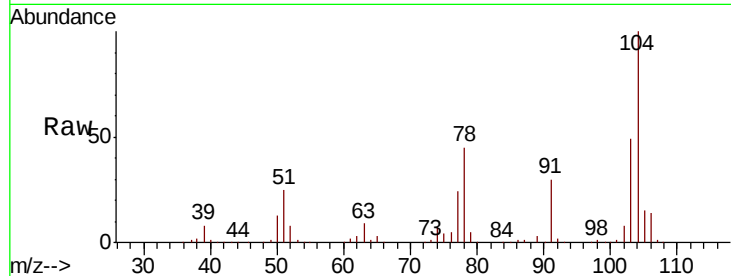
Tot Ion:104 Resp: 305497

Ion Ratio Lower Upper

104 100

78 51.9 41.2 61.8

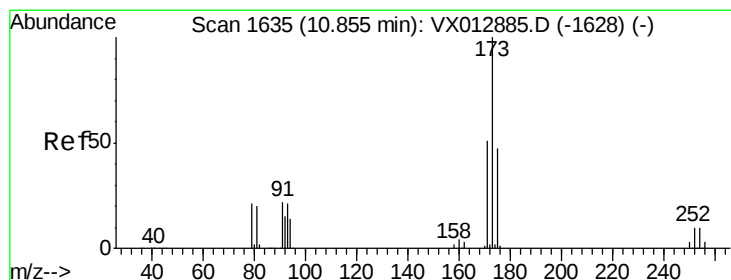
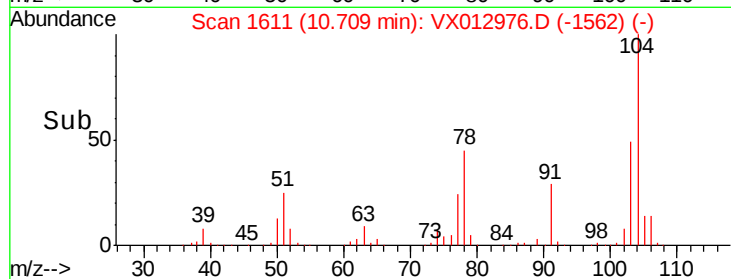
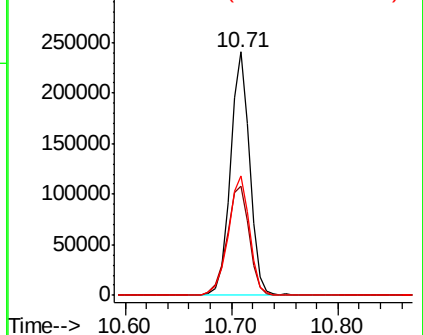
103 53.9 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 46.506 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

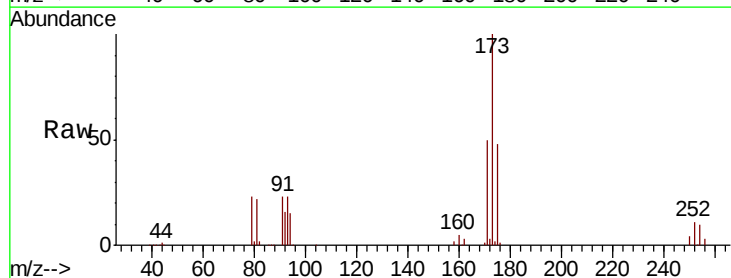
Tgt Ion:173 Resp: 69887

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.3

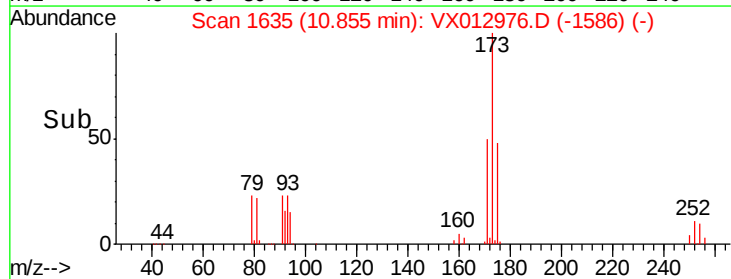
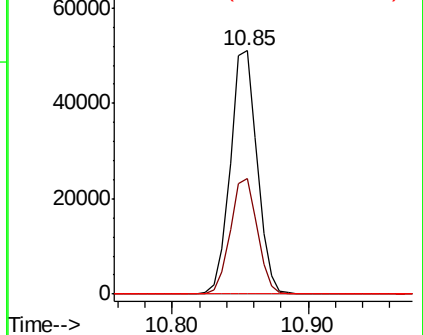
254 0.0 0.1 0.1#

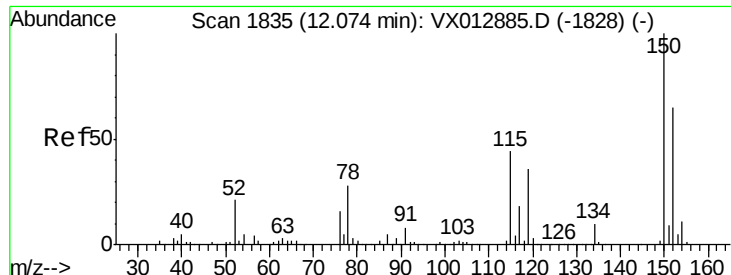


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

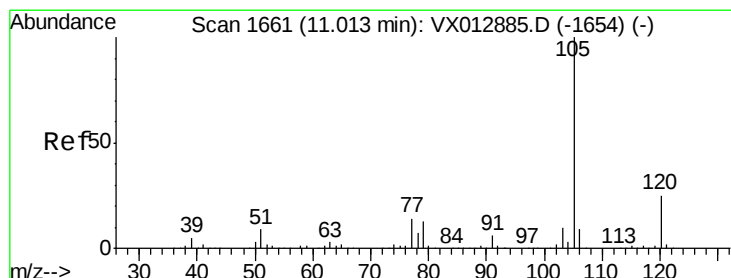
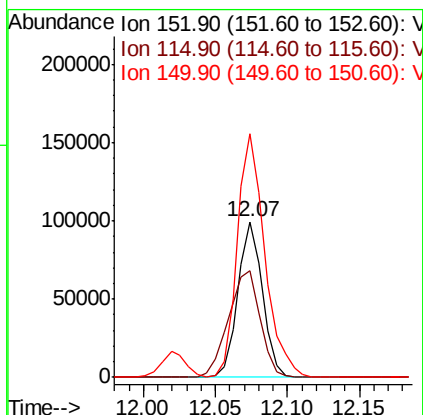
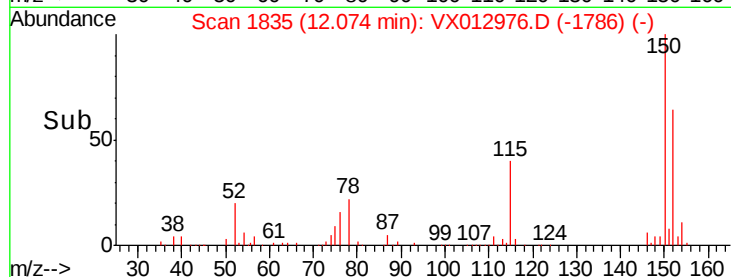
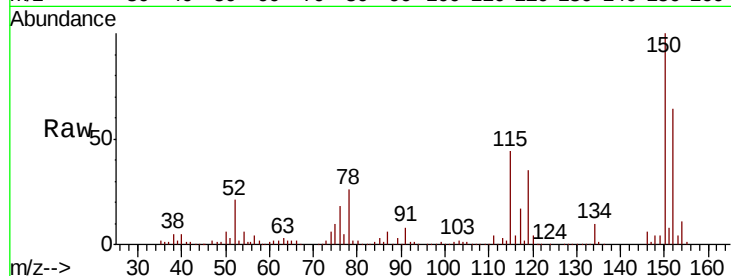
Tot Ion:152 Resp: 118040

Ion Ratio Lower Upper

152 100

115 88.9 44.5 133.5

150 175.3 0.0 353.4



#73

Isopropylbenzene

Concen: 53.812 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012976.D

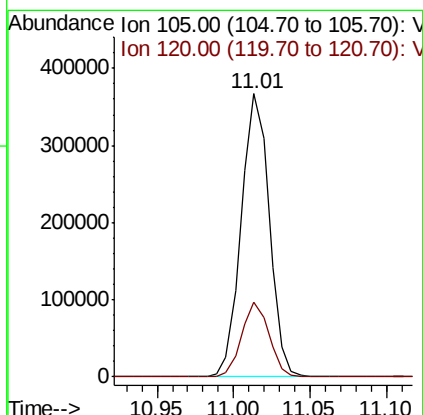
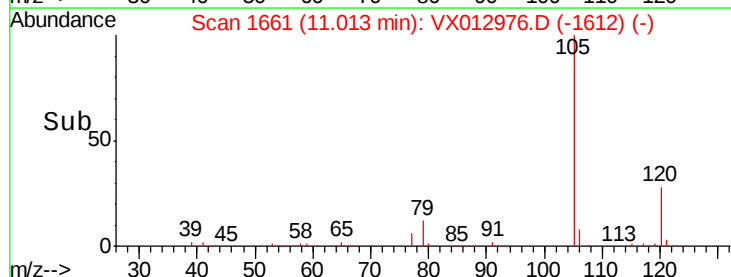
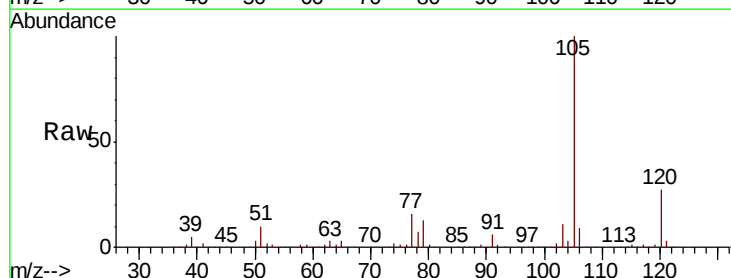
Acq: 10 Oct 2019 05:20

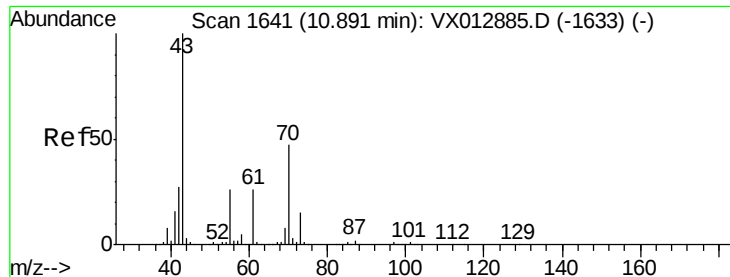
Tgt Ion:105 Resp: 467013

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0





#74

N-amvl acetate

Concen: 50.170 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 187516

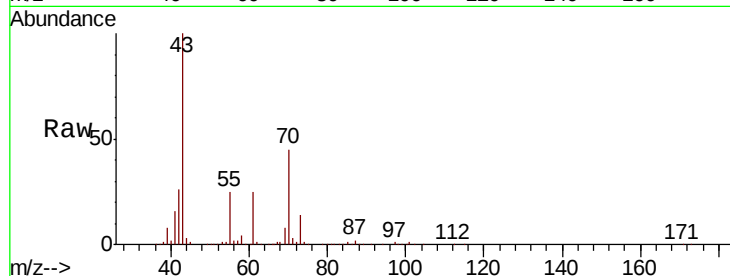
Ion Ratio Lower Upper

43 100

70 45.5 36.4 54.6

55 25.1 20.2 30.2

61 25.4 20.5 30.7

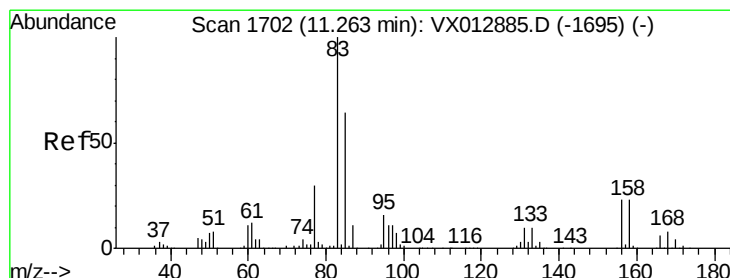
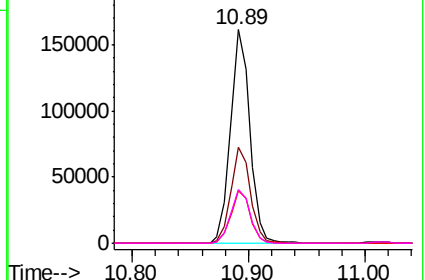
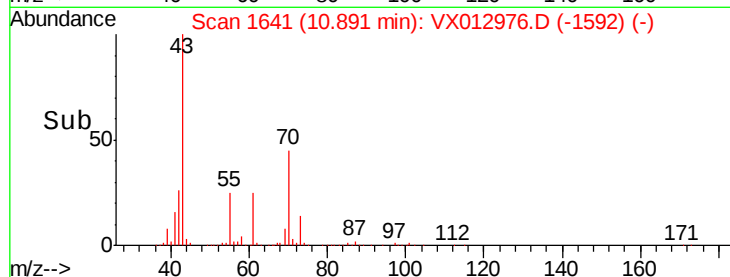


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 54.728 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

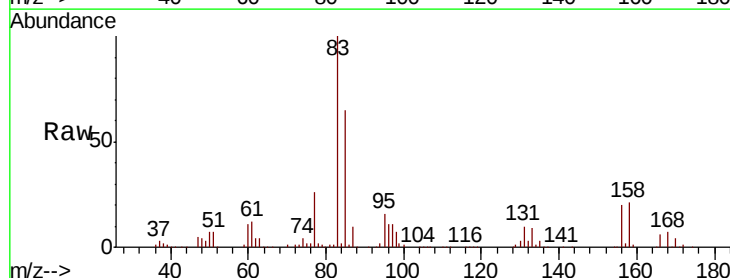
Tgt Ion: 83 Resp: 157970

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

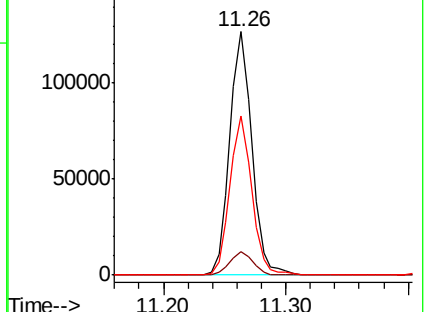
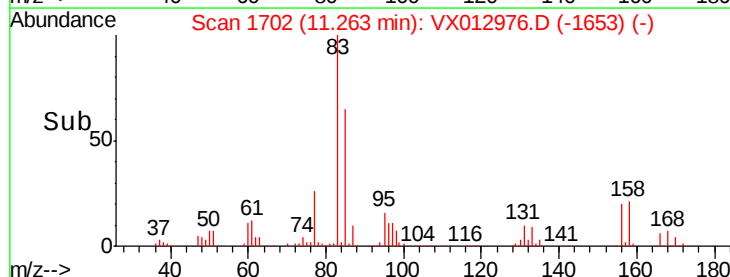
85 64.8 32.1 96.5

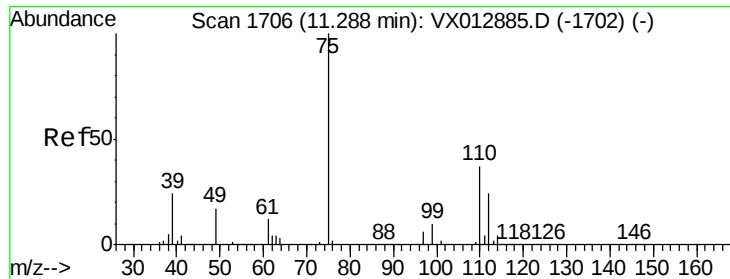


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

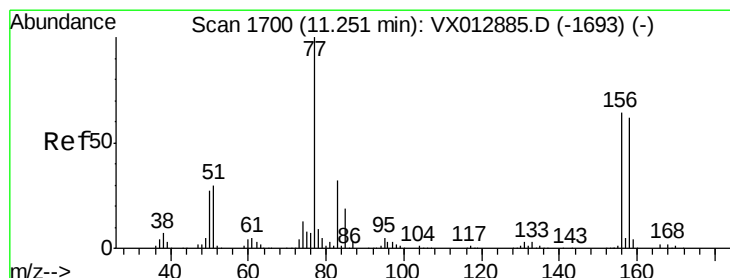
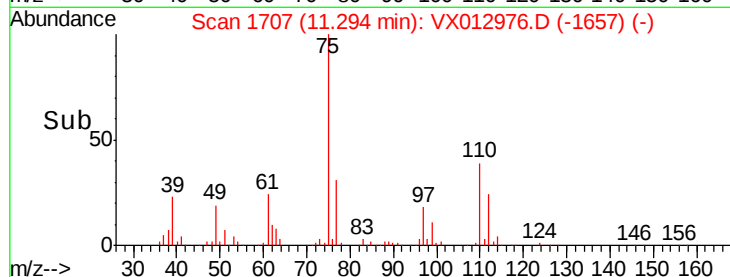
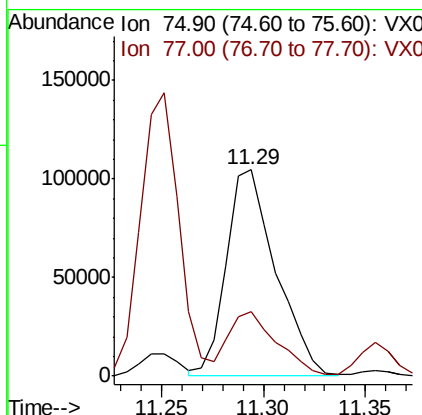
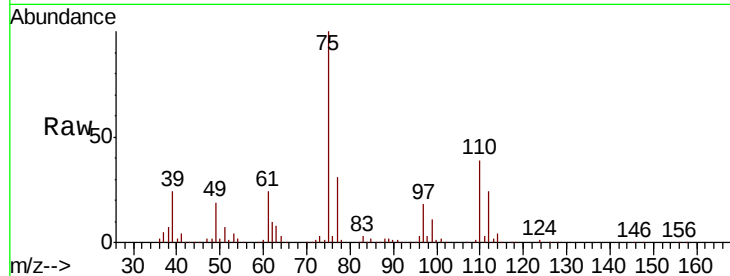




#76
 1,2,3-Trichloropropane
 Concen: 67.205 ug/l
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

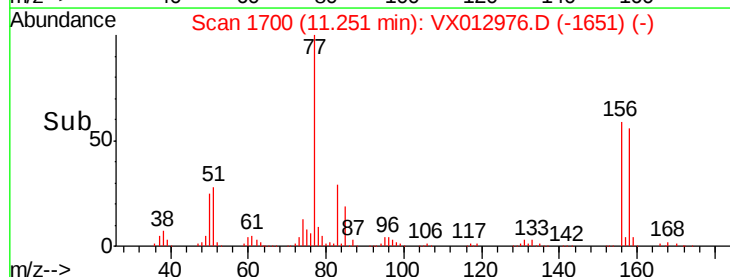
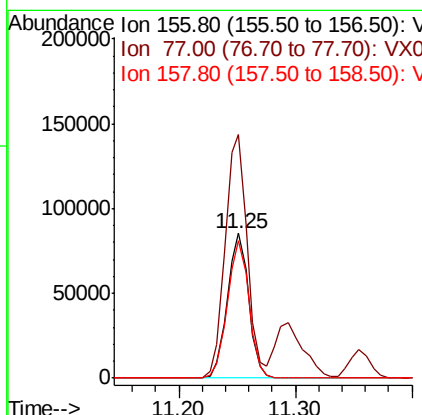
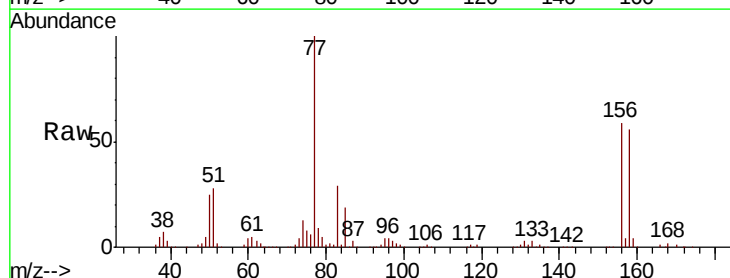
Instrument :
 MSVOA_X
 ClientSampleId :

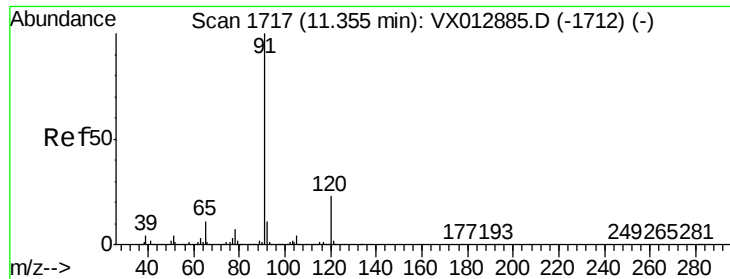
Tot Ion: 75 Resp: 175950
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.9 68.8



#77
 Bromobenzene
 Concen: 53.082 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion: 156 Resp: 108556
 Ion Ratio Lower Upper
 156 100
 77 173.2 83.7 251.0
 158 95.9 48.6 145.9





#78

n-propylbenzene

Concen: 54.460 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

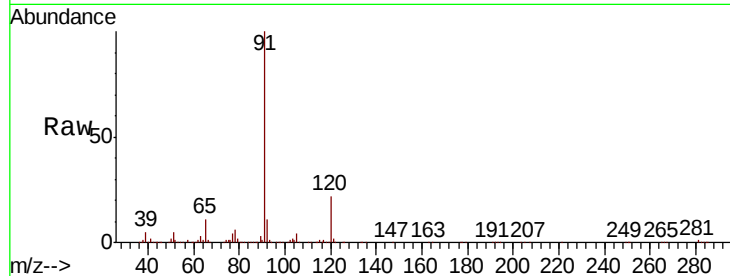
ClientSampleId :

Tot Ion: 91 Resp: 520072

Ion Ratio Lower Upper

91 100

120 22.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.35

400000

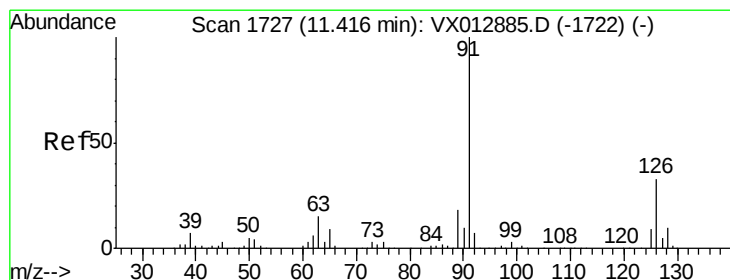
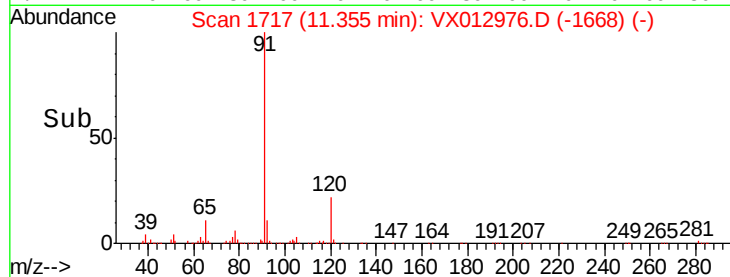
300000

200000

100000

0

Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 53.106 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012976.D

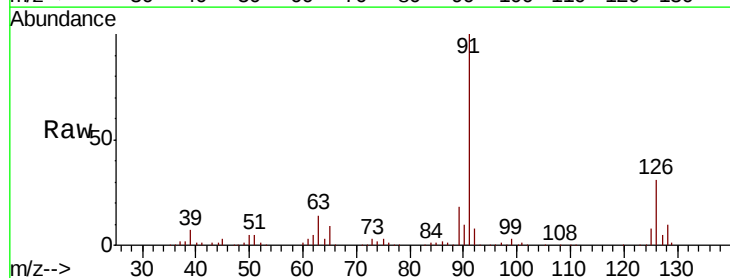
Acq: 10 Oct 2019 05:20

Tgt Ion: 91 Resp: 318720

Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.42

400000

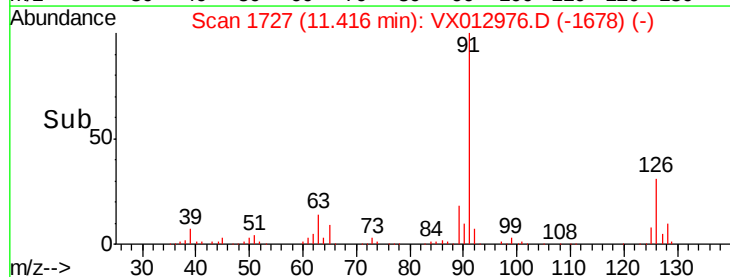
300000

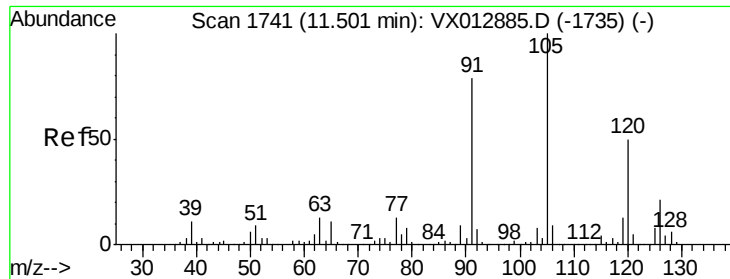
200000

100000

0

Time--> 11.40 11.45

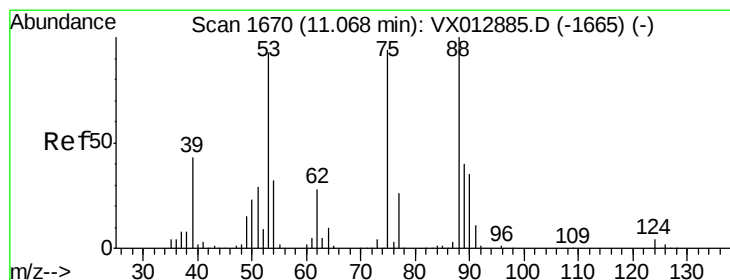
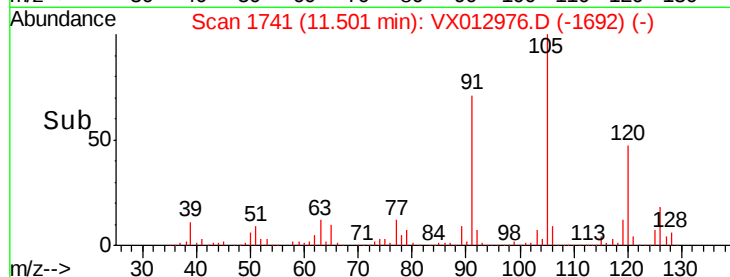
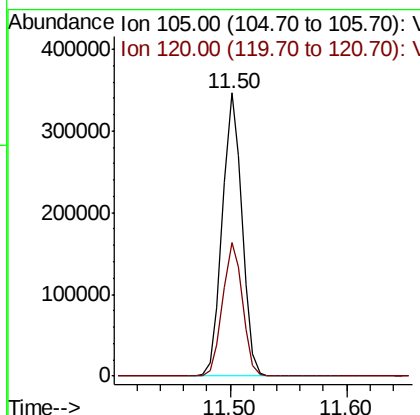
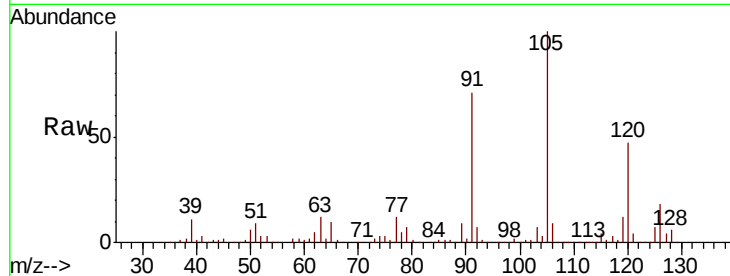




#80
 1,3,5-Trimethylbenzene
 Concen: 55.592 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

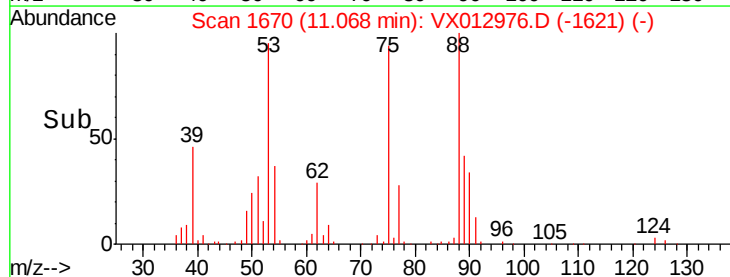
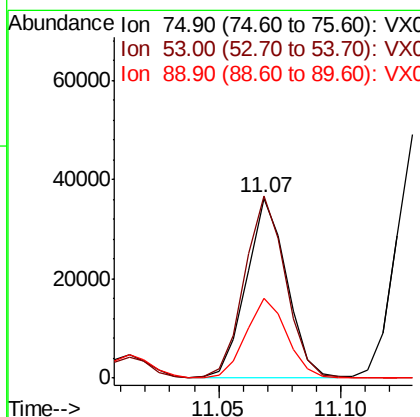
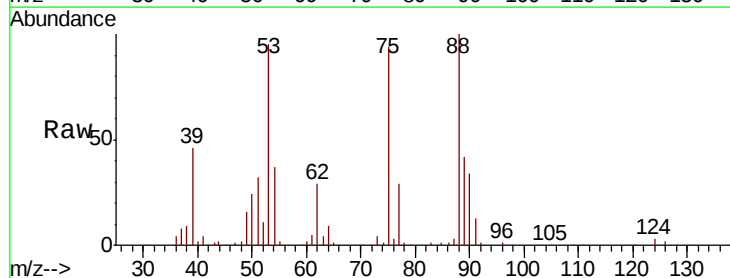
Instrument :
 MSVOA_X
 ClientSampleId :

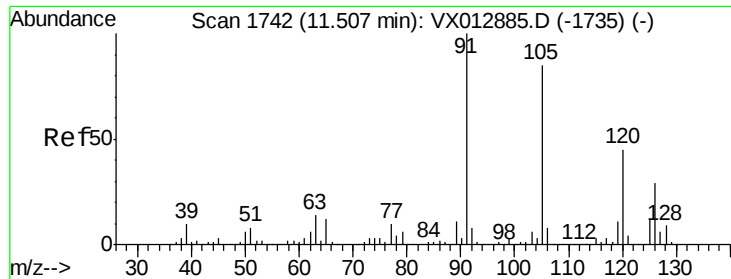
Tot Ion:105 Resp: 402849
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.8 74.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.583 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion: 75 Resp: 41575
 Ion Ratio Lower Upper
 75 100
 53 103.6 78.5 117.7
 89 45.5 37.4 56.2

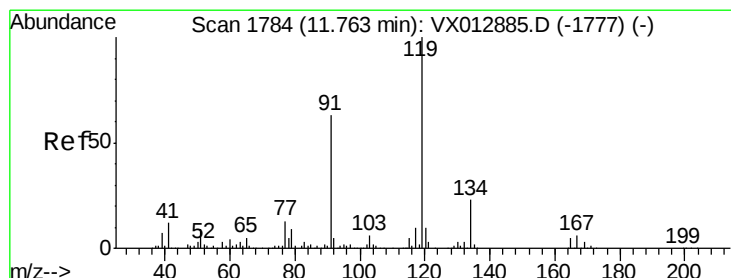
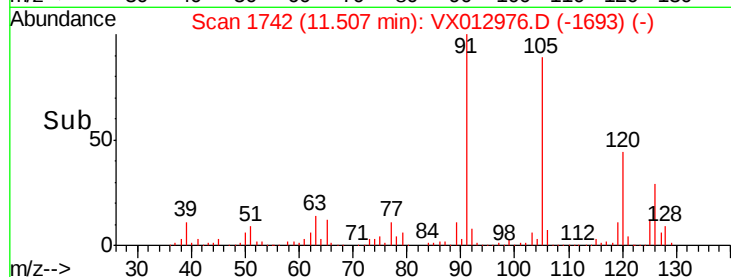
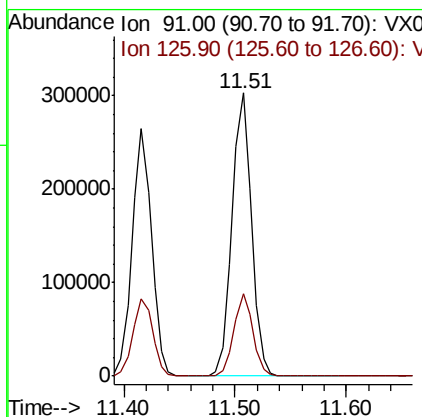
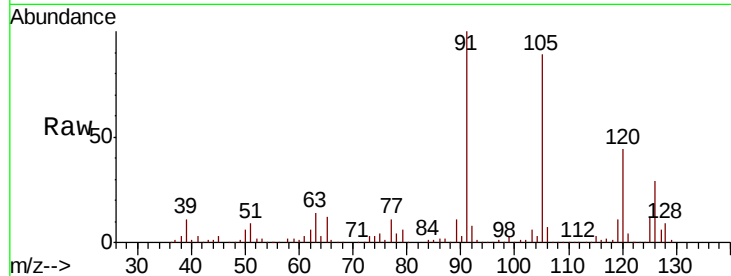




#82
4-Chlorotoluene
Concen: 53.450 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

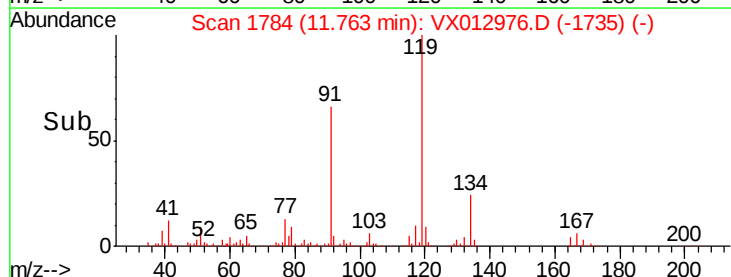
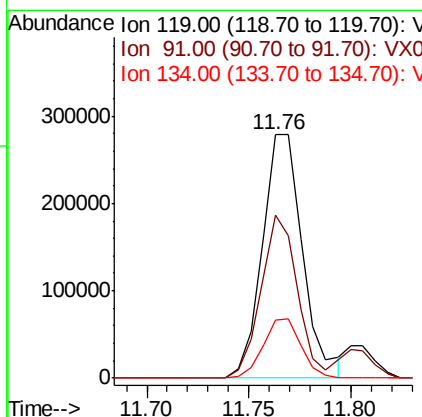
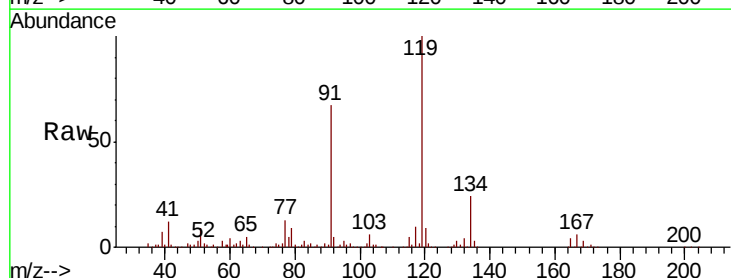
Instrument :
MSVOA_X
ClientSampleId :

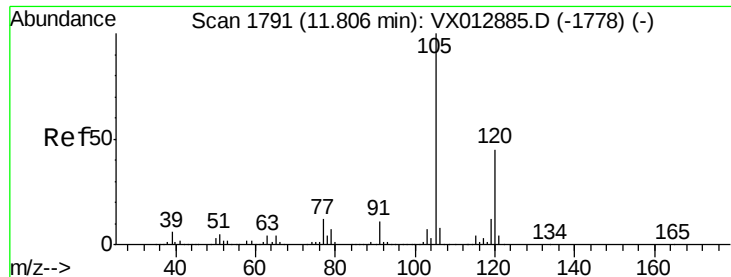
Tot Ion: 91 Resp: 367684
Ion Ratio Lower Upper
91 100
126 28.5 14.2 42.6



#83
tert-Butylbenzene
Concen: 54.396 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion: 119 Resp: 384524
Ion Ratio Lower Upper
119 100
91 60.2 29.3 87.9
134 22.9 11.5 34.4

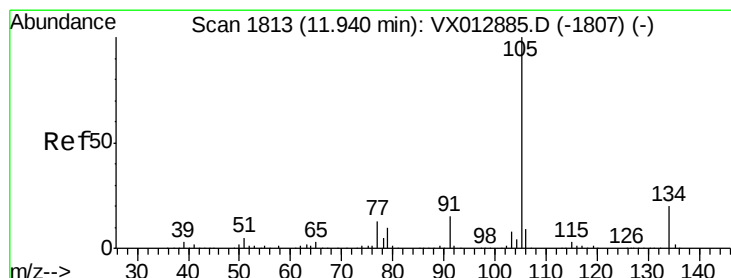
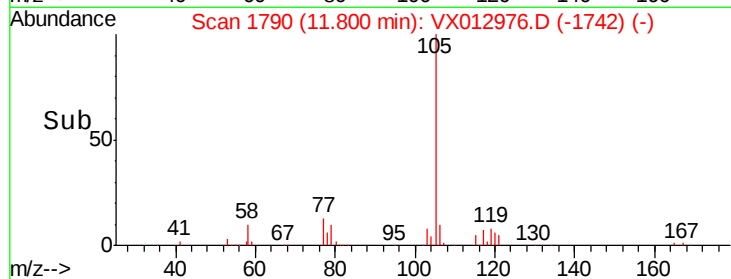
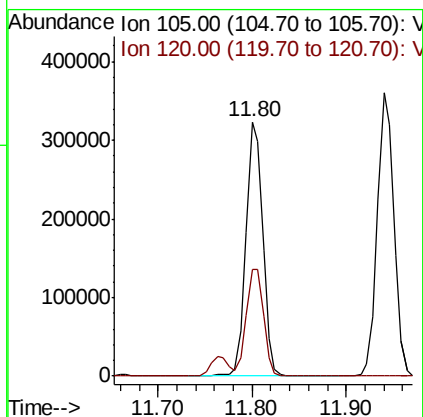
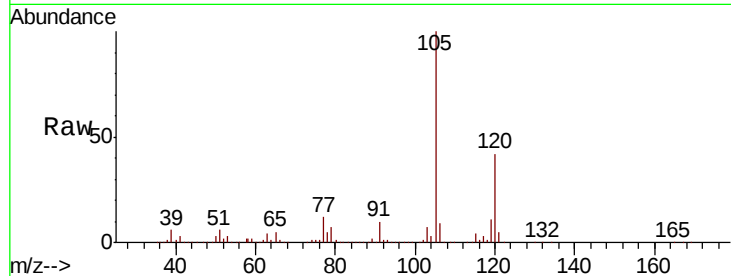




#84
 1,2,4-Trimethylbenzene
 Concen: 54.846 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

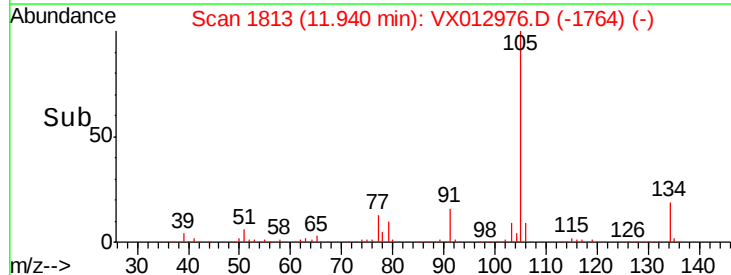
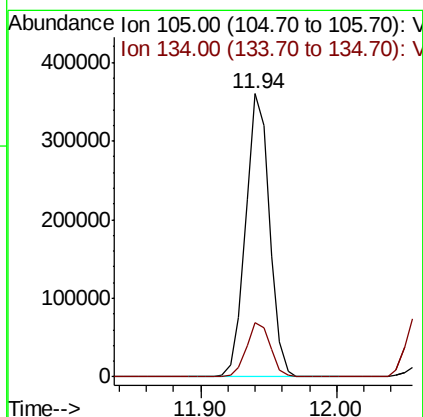
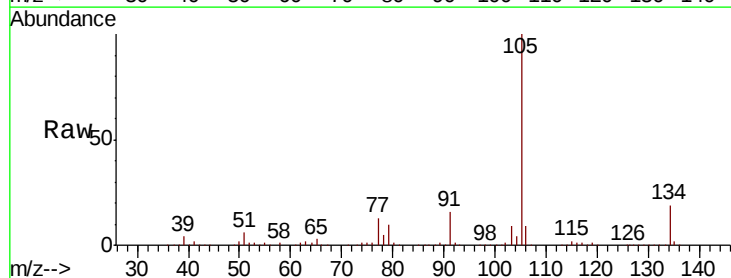
Instrument :
 MSVOA_X
 ClientSampled :

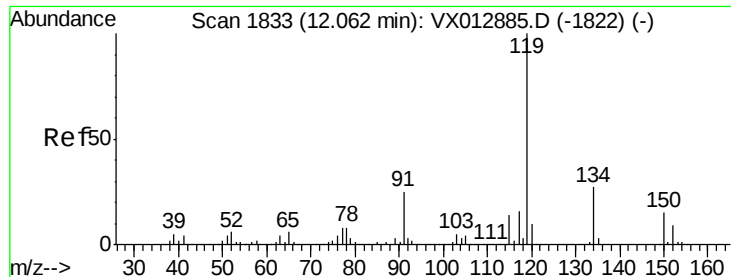
Tot Ion:105 Resp: 402525
 Ion Ratio Lower Upper
 105 100
 120 43.4 21.8 65.3



#85
 sec-Butylbenzene
 Concen: 53.841 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion:105 Resp: 440944
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.0 30.0

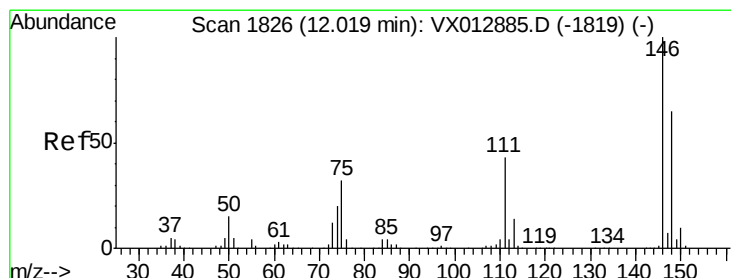
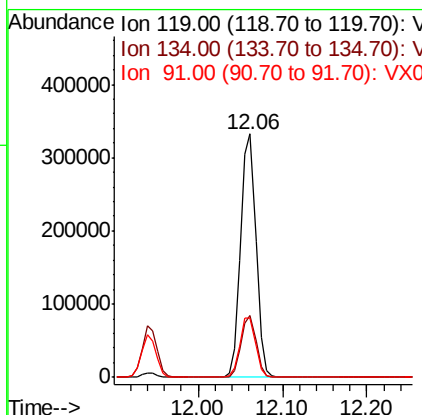
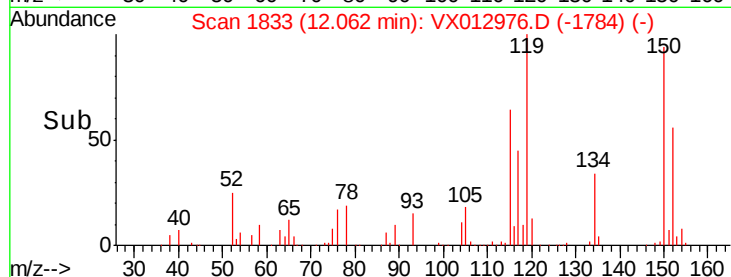
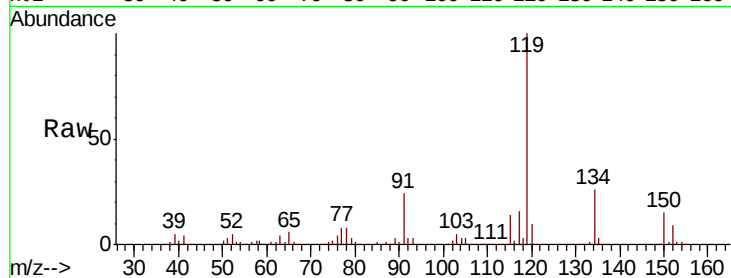




#86
 p-Isopropyltoluene
 Concen: 53.055 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

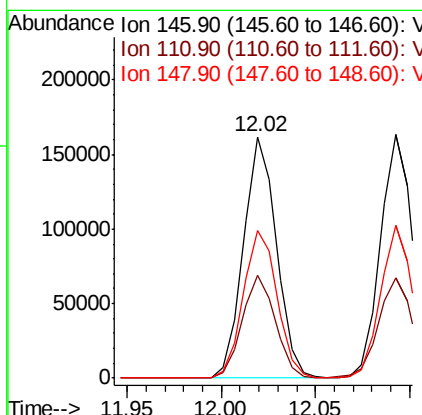
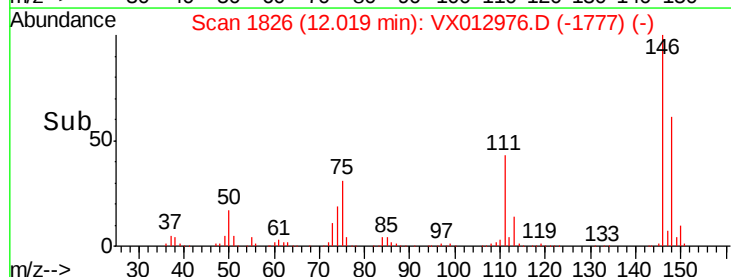
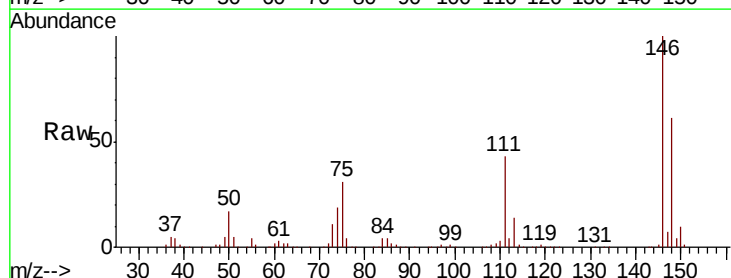
Instrument :
 MSVOA_X
 ClientSampleId :

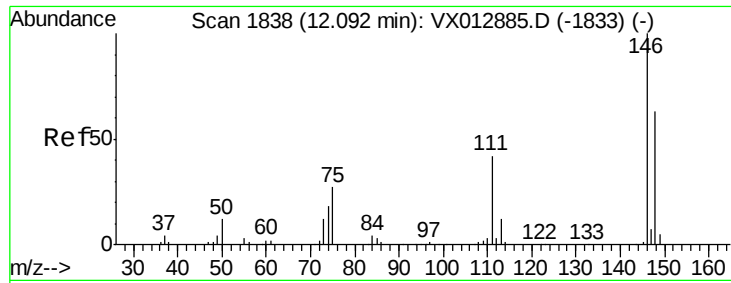
Tot Ion:119 Resp: 402983
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.6 37.8
 91 25.1 12.4 37.4



#87
 1,3-Dichlorobenzene
 Concen: 51.851 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion:146 Resp: 196917
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.1 63.4
 148 62.8 31.6 95.0

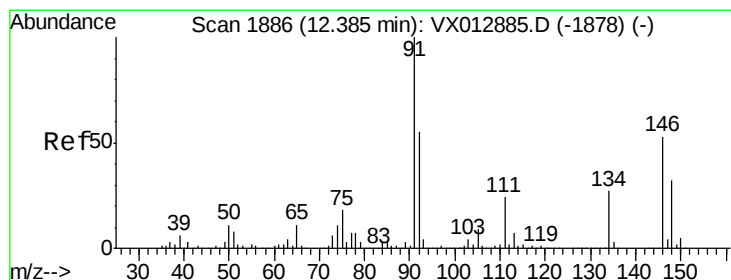
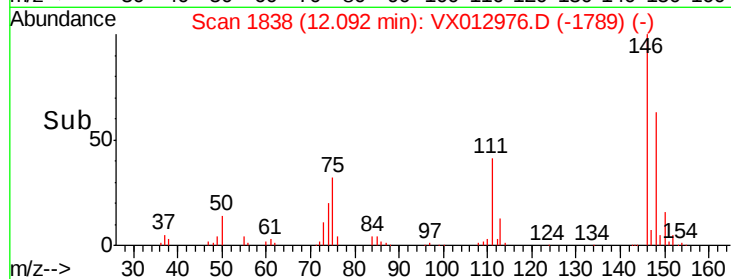
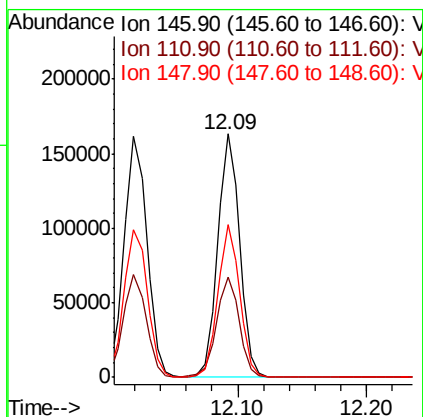
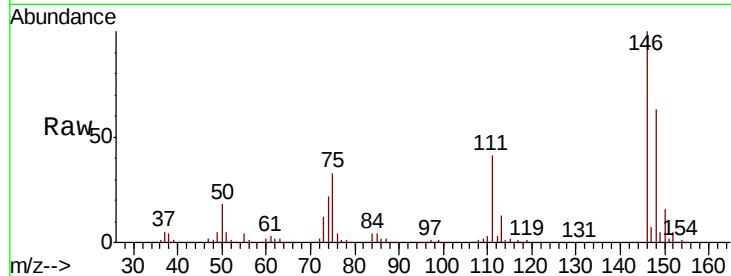




#88
 1,4-Dichlorobenzene
 Concen: 51.095 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

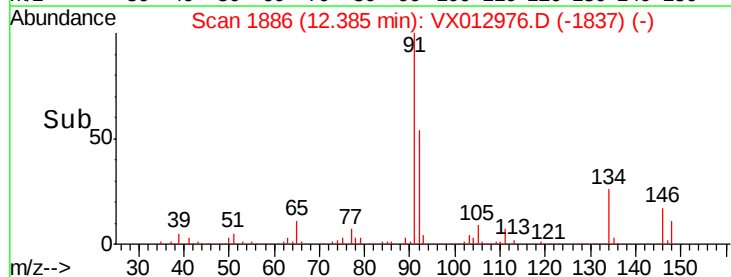
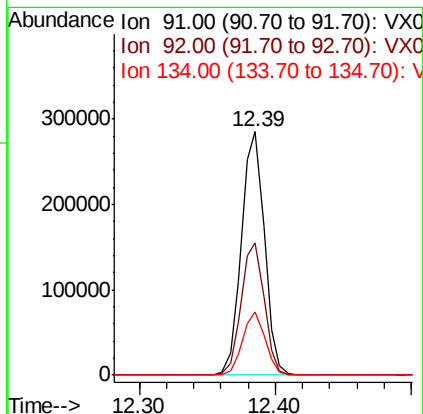
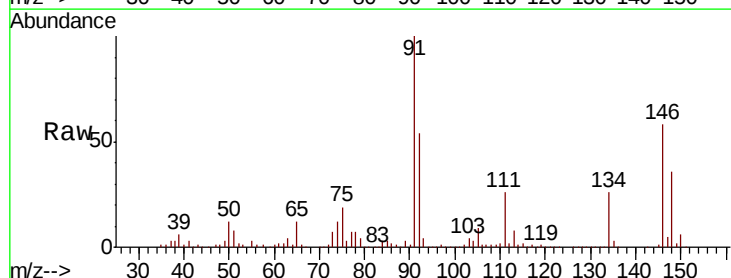
Instrument :
 MSVOA_X
 ClientSampleId :

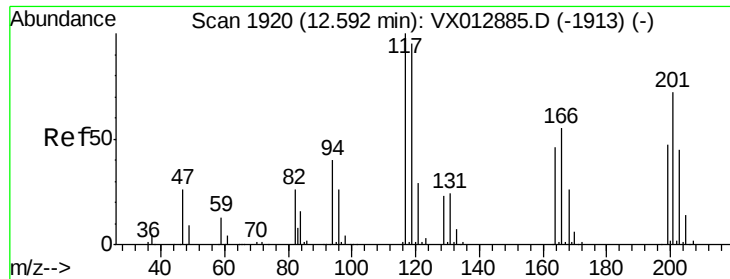
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.3
148	62.3	32.1	96.5



#89
 n-Butylbenzene
 Concen: 52.625 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.5
134	25.5	12.9	38.7

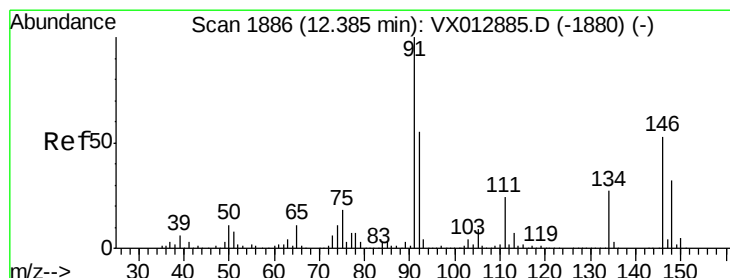
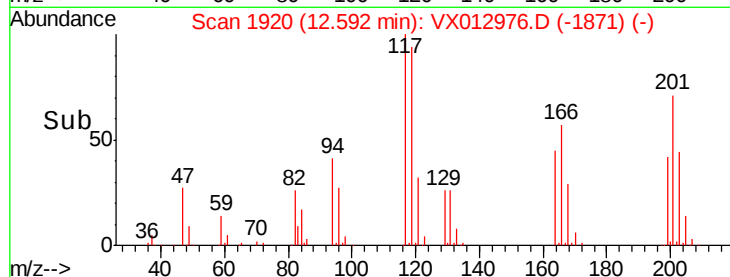
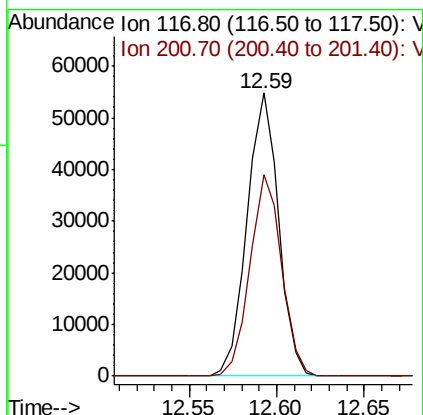
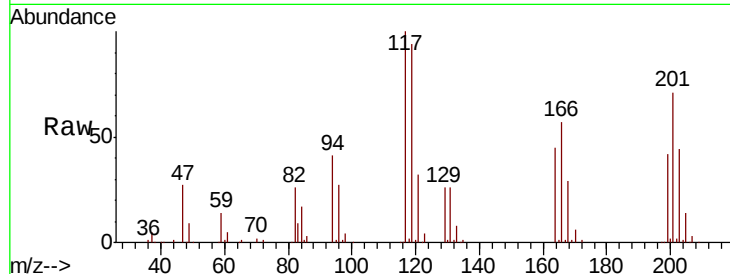




#90
Hexachloroethane
Concen: 48.816 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

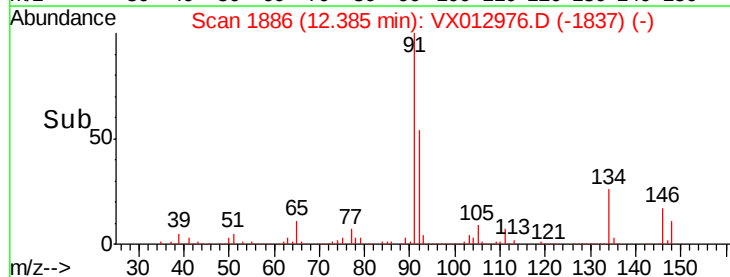
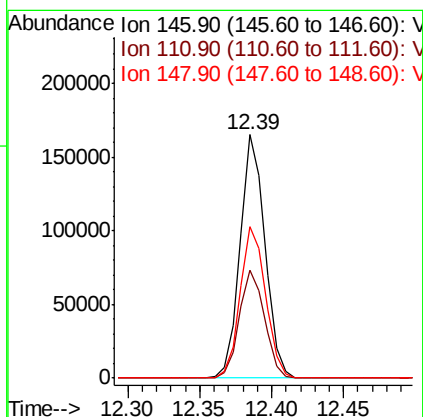
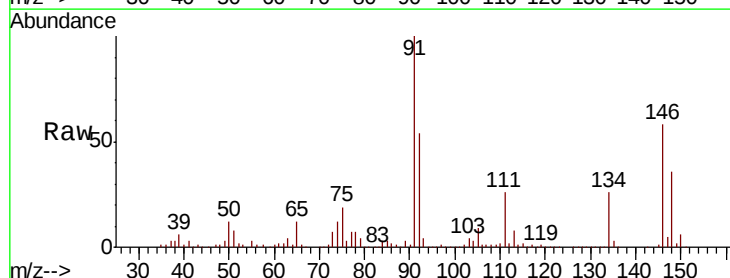
Instrument :
MSVOA_X
ClientSampleId :

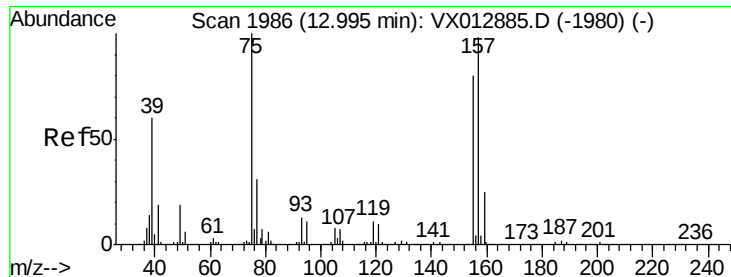
Tot Ion:117 Resp: 68600
Ion Ratio Lower Upper
117 100
201 71.7 36.9 110.7



#91
1,2-Dichlorobenzene
Concen: 53.123 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012976.D
Acq: 10 Oct 2019 05:20

Tgt Ion:146 Resp: 197784
Ion Ratio Lower Upper
146 100
111 45.3 22.7 68.0
148 63.8 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.496 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

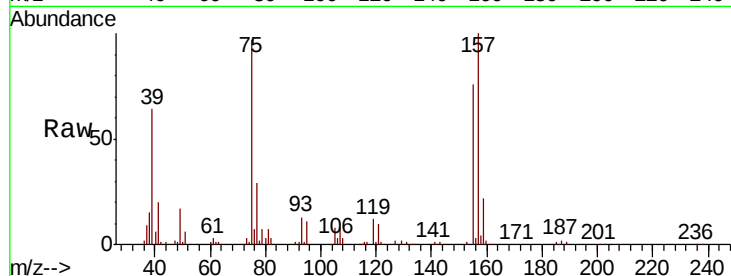
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 36869

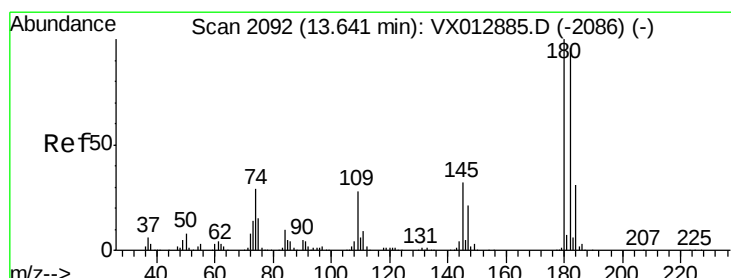
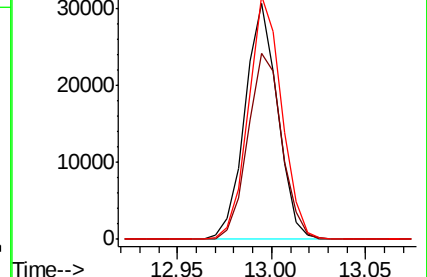
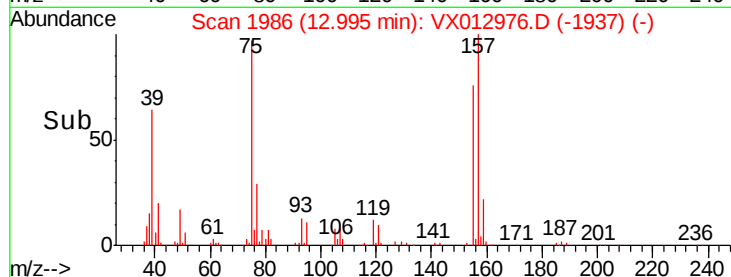
Ion	Ratio	Lower	Upper
75	100		
155	81.9	43.0	128.8
157	104.8	54.1	162.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 51.224 ug/l

RT: 13.64 min Scan# 2092

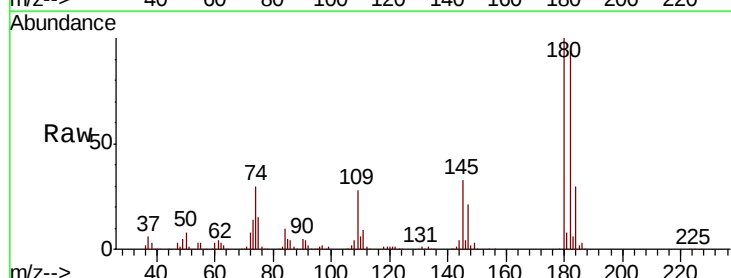
Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Tgt Ion: 180 Resp: 119467

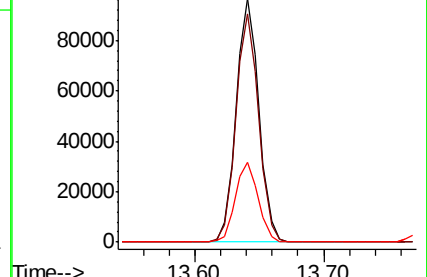
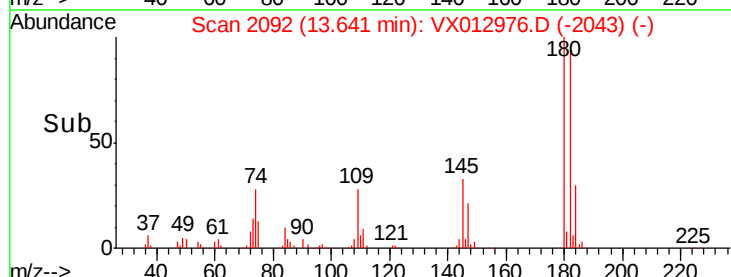
Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.8	140.4
145	32.9	16.2	48.6

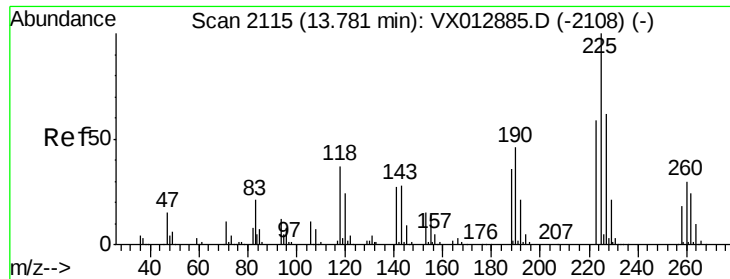


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 48.281 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

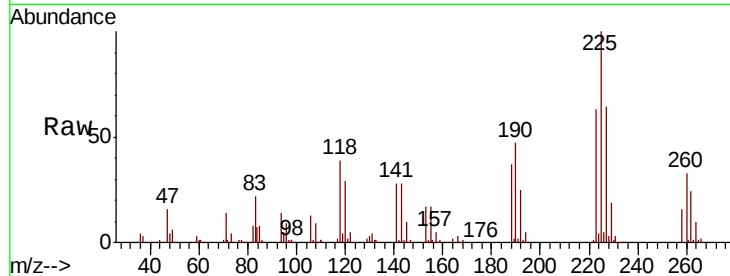
Tot Ion:225 Resp: 51967

Ion Ratio Lower Upper

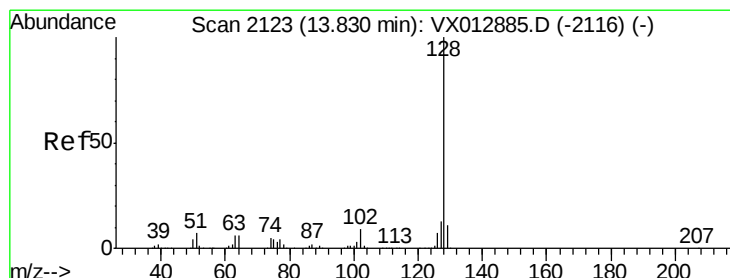
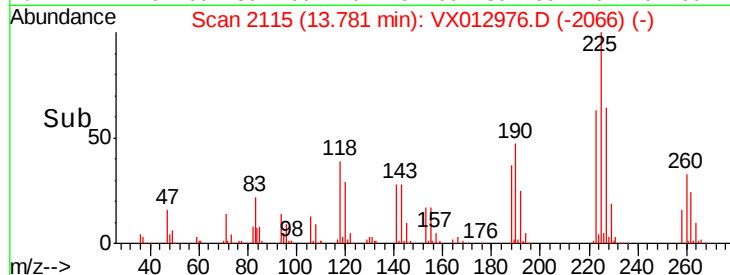
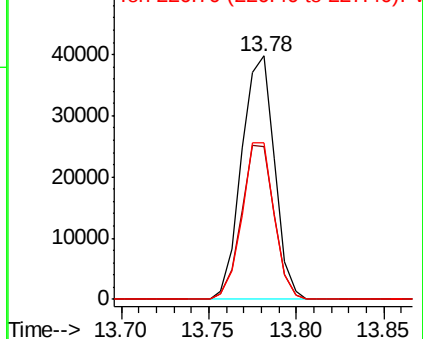
225 100

223 63.0 31.1 93.2

227 62.7 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 52.352 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012976.D

Acq: 10 Oct 2019 05:20

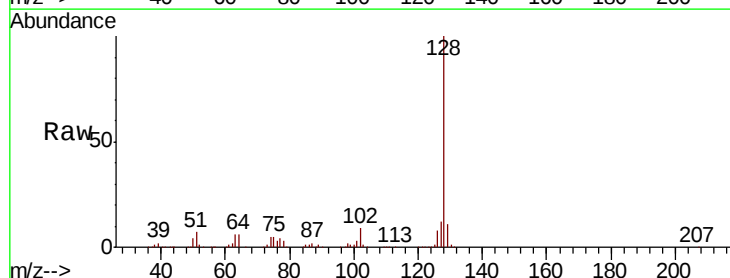
Tgt Ion:128 Resp: 423252

Ion Ratio Lower Upper

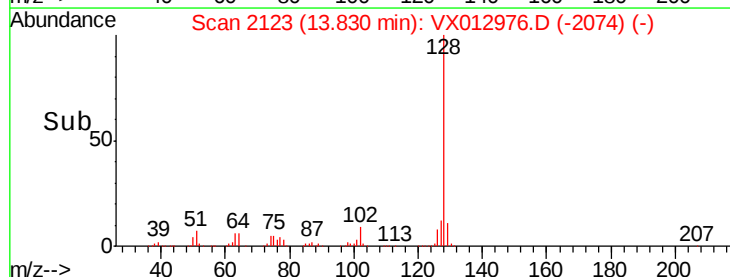
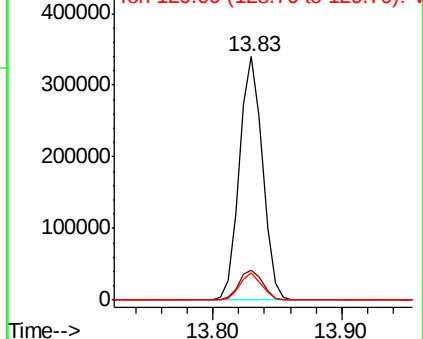
128 100

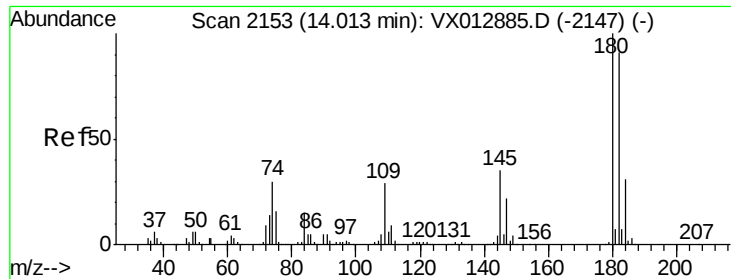
127 12.7 10.2 15.4

129 10.7 8.8 13.2



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

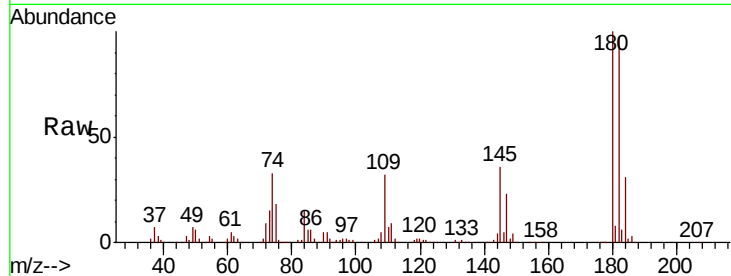




#96
 1,2,3-Trichlorobenzene
 Concen: 48.692 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX012976.D
 Acq: 10 Oct 2019 05:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	98.1	47.5	142.5	
145	36.7	17.4	52.3	



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

