

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\
 Data File : VX012339.D
 Acq On : 12 Sep 2019 10:15
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 12:54:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	143042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	245429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	225473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	86465	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	
35) Dibromofluoromethane	5.48	113	70353	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	
50) Toluene-d8	8.71	98	264223	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.13	95	110897	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	49553	42.372	ug/l	99
3) Chloromethane	1.31	50	47520	45.078	ug/l	98
4) Vinyl Chloride	1.40	62	47132	45.092	ug/l	99
5) Bromomethane	1.63	94	25396	60.964	ug/l	98
6) Chloroethane	1.71	64	32193	46.060	ug/l	99
7) Trichlorofluoromethane	1.92	101	86873	45.924	ug/l	100
8) Diethyl Ether	2.17	74	29878	46.287	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54690	42.896	ug/l	99
10) Methyl Iodide	2.50	142	47084	38.802	ug/l	99
11) Tert butyl alcohol	3.03	59	42328	195.083	ug/l	97
12) 1,1-Dichloroethene	2.36	96	44547	41.156	ug/l	96
13) Acrolein	2.28	56	33263	314.643	ug/l	100
14) Allyl chloride	2.72	41	102286	46.351	ug/l	99
15) Acrylonitrile	3.12	53	91796	230.054	ug/l	97
16) Acetone	2.43	43	118318	247.141	ug/l	97
17) Carbon Disulfide	2.56	76	100187	44.078	ug/l	98
18) Methyl Acetate	2.76	43	44505	44.228	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	199555	46.685	ug/l	98
20) Methylene Chloride	2.84	84	69490	46.331	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	60165	46.590	ug/l	98
22) Diisopropyl ether	3.84	45	235888	46.740	ug/l	91
23) Vinyl Acetate	3.80	43	743355	240.069	ug/l	99
24) 1,1-Dichloroethane	3.68	63	126365	46.745	ug/l	98
25) 2-Butanone	4.65	43	146203	238.891	ug/l	98
26) 2,2-Dichloropropane	4.57	77	121591	47.908	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	79069	47.426	ug/l	98
28) Bromochloromethane	5.00	49	55681	43.918	ug/l	100
29) Tetrahydrofuran	5.11	42	78060	236.399	ug/l	99
30) Chloroform	5.19	83	141535	46.430	ug/l	100
31) Cyclohexane	5.56	56	85655	45.614	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	121631	46.468	ug/l	99
36) 1,1-Dichloropropene	5.78	75	87361	48.816	ug/l	99
37) Ethyl Acetate	4.82	43	55254	49.947	ug/l	99
38) Carbon Tetrachloride	5.77	117	98581	46.951	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	94387	48.060	ug/l	97
40) Benzene	6.13	78	263103	48.576	ug/l	99
41) Methacrylonitrile	5.02	41	33531	49.166	ug/l	98
42) 1,2-Dichloroethane	6.18	62	101934	47.617	ug/l	99
43) Isopropyl Acetate	6.43	43	110528	47.389	ug/l	99
44) Trichloroethene	7.20	130	72787	49.657	ug/l	98
45) 1,2-Dichloropropane	7.50	63	73086	48.749	ug/l	98
46) Dibromomethane	7.65	93	40637	49.595	ug/l	98
47) Bromodichloromethane	7.89	83	108298	48.432	ug/l	98
48) Methyl methacrylate	7.76	41	53112	47.575	ug/l	99
49) 1,4-Dioxane	7.73	88	13589	902.065	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	291234	236.593	ug/l	100
52) Toluene	8.78	92	175414	49.032	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	106362	47.657	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	119660	48.351	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	61900	48.762	ug/l	99
56) Ethyl methacrylate	9.17	69	83087	48.341	ug/l	99
57) 1,3-Dichloropropane	9.37	76	106448	49.097	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	206133	233.996	ug/l	99
59) 2-Hexanone	9.48	43	218361	255.128	ug/l	99
60) Dibromochloromethane	9.57	129	72749	49.090	ug/l	98
61) 1,2-Dibromoethane	9.67	107	57958	49.048	ug/l	97
64) Tetrachloroethene	9.33	164	58084	48.710	ug/l	98
65) Chlorobenzene	10.14	112	199468	48.417	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	77234	49.731	ug/l	100
67) Ethyl Benzene	10.25	91	360018	49.133	ug/l	98
68) m/p-Xylenes	10.35	106	268558	99.566	ug/l	100
69) o-Xylene	10.70	106	129116	48.865	ug/l	99
70) Styrene	10.71	104	229746	49.027	ug/l	99
71) Bromoform	10.85	173	38365	47.639	ug/l #	99
73) Isopropylbenzene	11.01	105	359959	48.780	ug/l	100
74) N-amyl acetate	10.89	43	100958	46.013	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	76867	48.502	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	81599	56.667	ug/l	88
77) Bromobenzene	11.25	156	85487	50.317	ug/l	95
78) n-propylbenzene	11.35	91	431809	48.457	ug/l	100
79) 2-Chlorotoluene	11.42	91	261568	47.377	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	322488	48.596	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21655	45.059	ug/l	95
82) 4-Chlorotoluene	11.51	91	320789	48.348	ug/l	99
83) tert-Butylbenzene	11.76	119	322342	50.024	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	330913	48.237	ug/l	98
85) sec-Butylbenzene	11.94	105	375125	48.790	ug/l	99
86) p-Isopropyltoluene	12.06	119	350579	49.349	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	168636	48.726	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	169062	48.309	ug/l	100
89) n-Butylbenzene	12.39	91	340622	48.920	ug/l	99
90) Hexachloroethane	12.59	117	61561	47.046	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	154893	48.382	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13905	42.985	ug/l	93

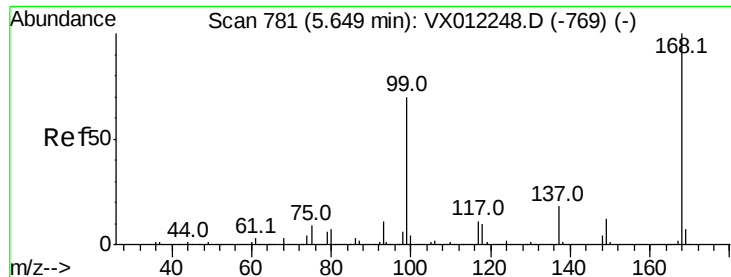
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105472	47.705	ug/l	100
94) Hexachlorobutadiene	13.78	225	52691	47.906	ug/l	97
95) Naphthalene	13.83	128	217819	45.909	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	89593	45.800	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

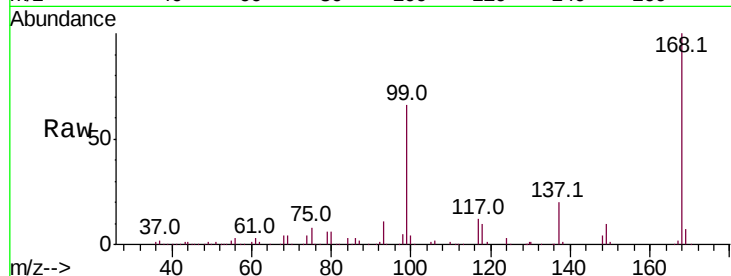
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 143042

Ion Ratio Lower Upper

168 100

99 65.7 55.8 83.6

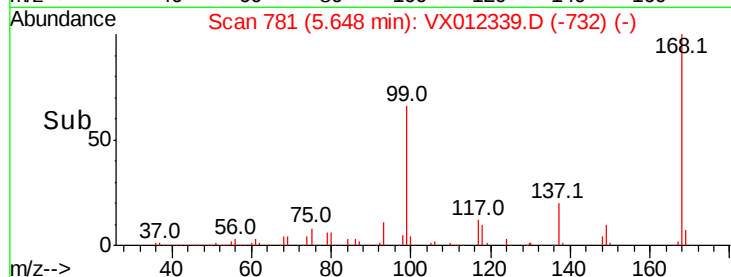


Abundance Ion 167.90 (167.60 to 168.60): V

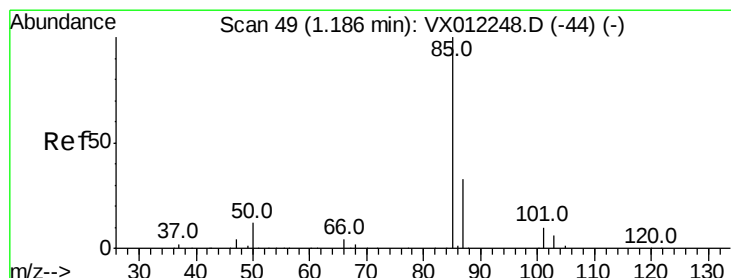
Ion 98.90 (98.60 to 99.60): VX0

5.65

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 42.372 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012339.D

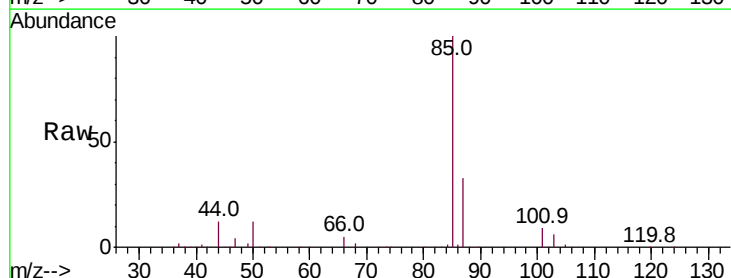
Acq: 12 Sep 2019 10:15

Tgt Ion: 85 Resp: 49553

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0

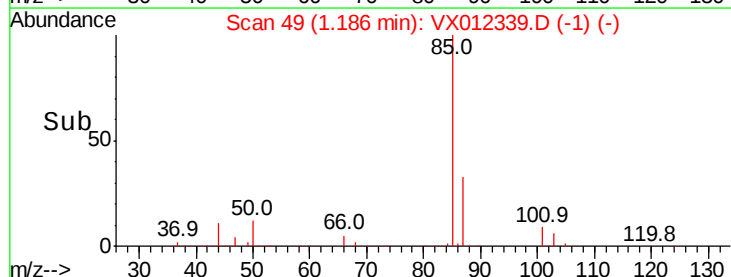


Abundance Ion 84.90 (84.60 to 85.60): VX0

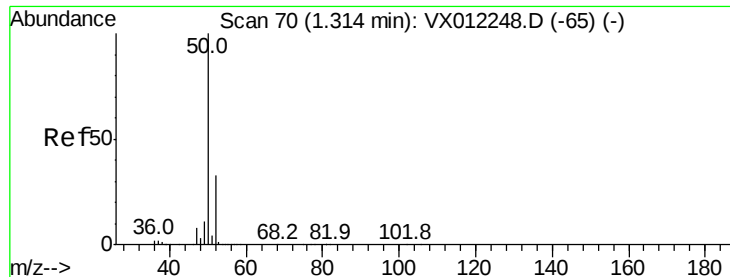
Ion 86.90 (86.60 to 87.60): VX0

1.19

Time-->



Time-->



#3

Chloromethane

Concen: 45.078 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

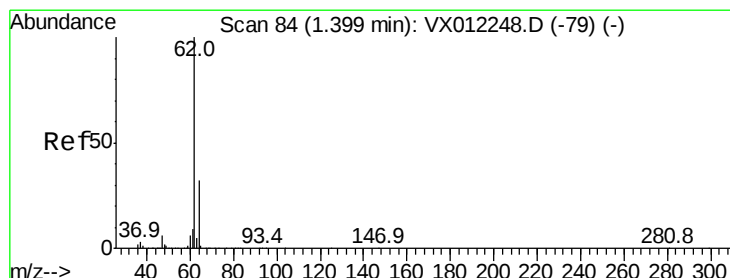
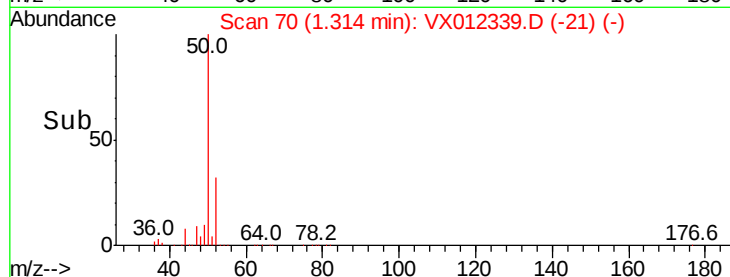
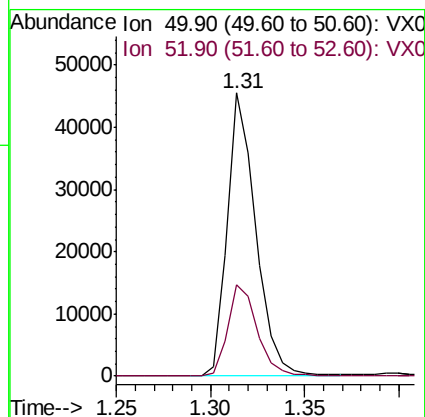
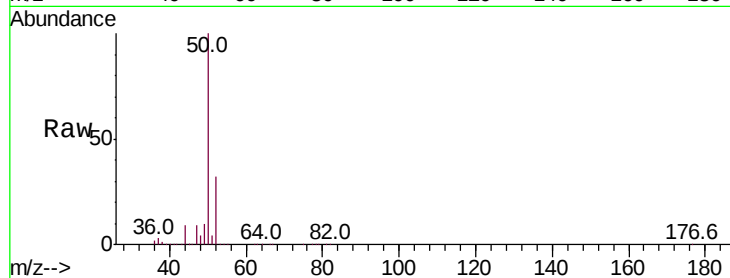
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 50 Resp: 47520

Ion Ratio Lower Upper

50 100

52 32.2 26.7 40.1



#4

Vinyl Chloride

Concen: 45.092 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012339.D

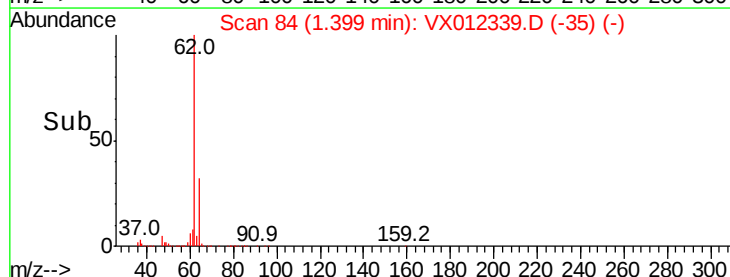
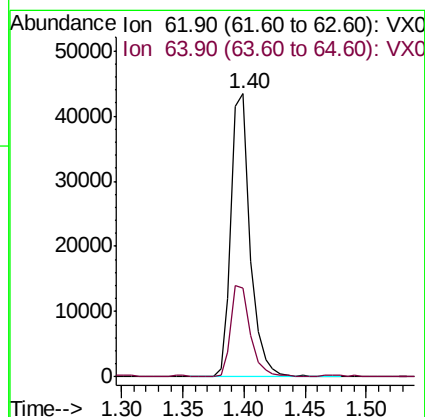
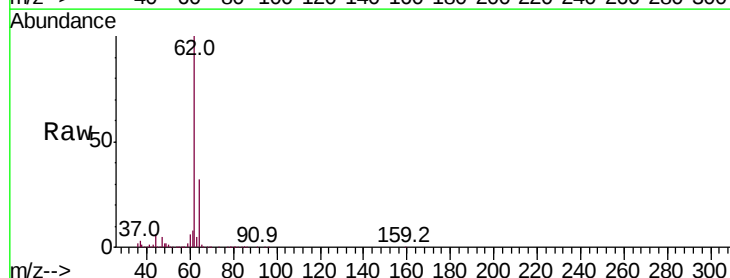
Acq: 12 Sep 2019 10:15

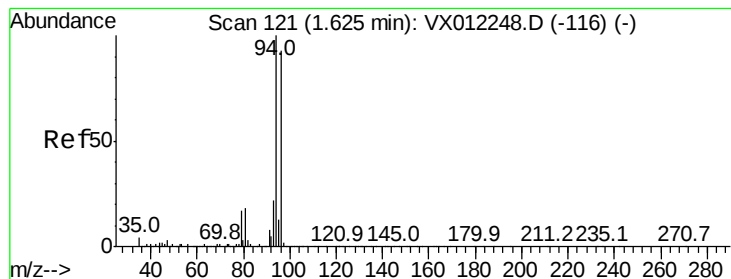
Tgt Ion: 62 Resp: 47132

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 60.964 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

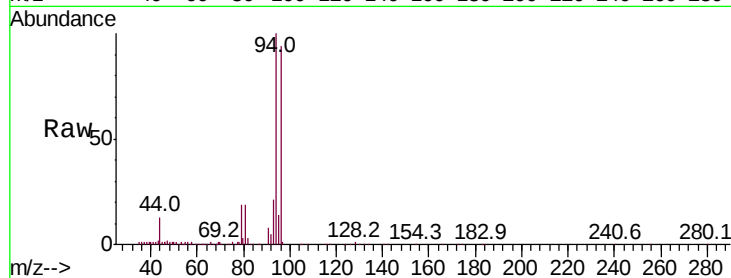
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 25396

Ion Ratio Lower Upper

94 100

96 94.2 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

25000

20000

15000

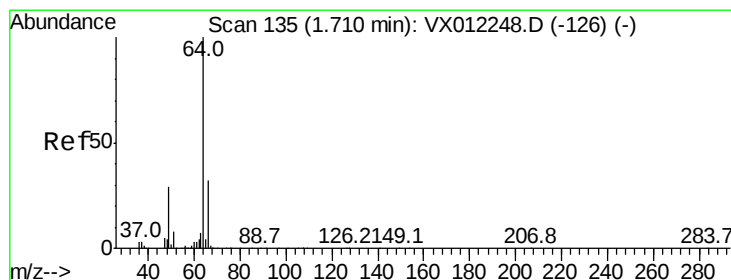
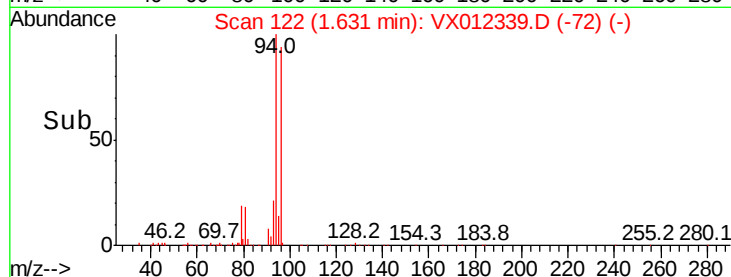
10000

5000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 46.060 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012339.D

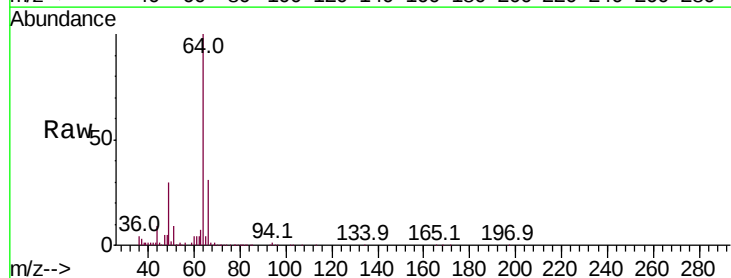
Acq: 12 Sep 2019 10:15

Tgt Ion: 64 Resp: 32193

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

25000

20000

15000

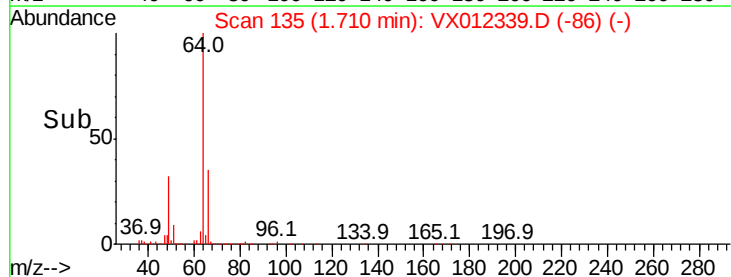
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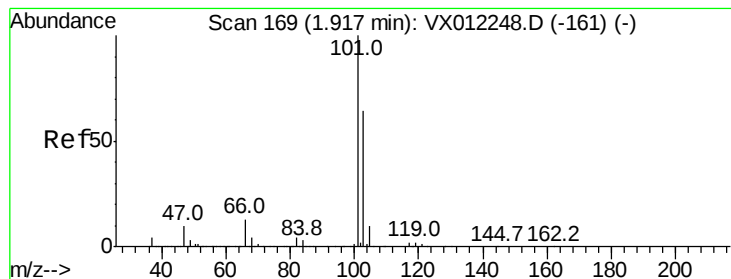
5000

0

Time-->

1.65 1.70 1.75 1.80



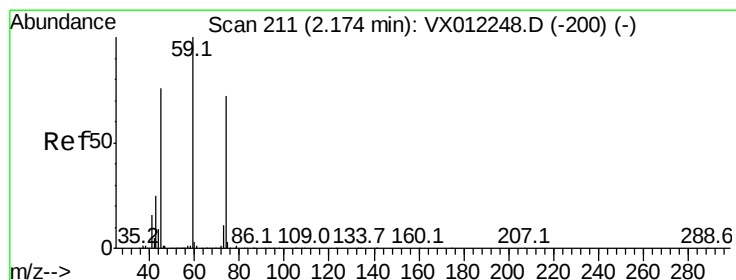
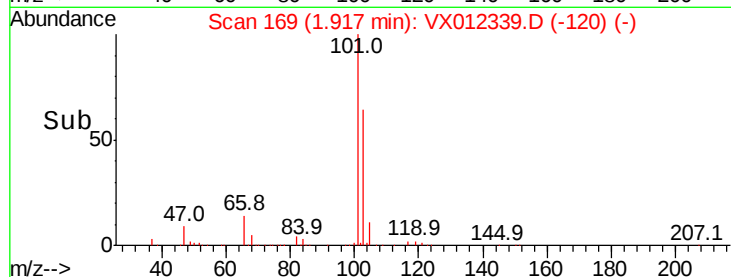
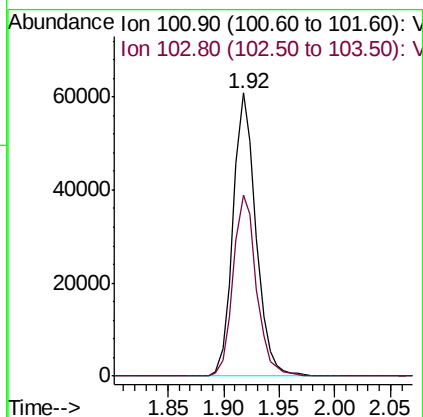
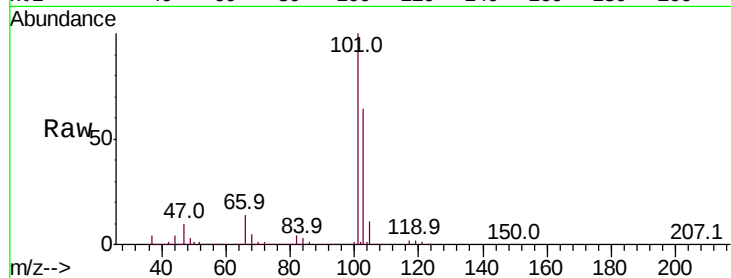


#7

Trichlorofluoromethane
Concen: 45.924 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :

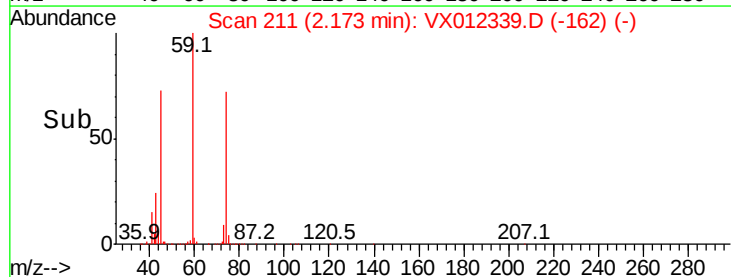
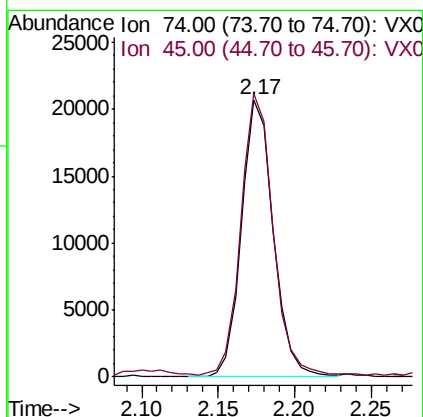
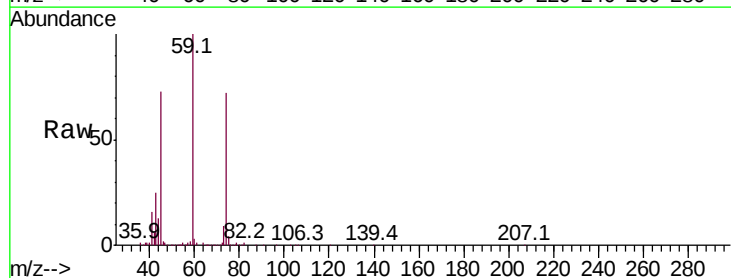
Tot Ion:101 Resp: 86873
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2

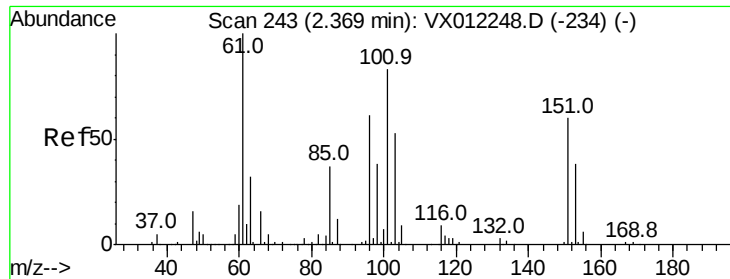


#8

Diethyl Ether
Concen: 46.287 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 74 Resp: 29878
Ion Ratio Lower Upper
74 100
45 101.7 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.896 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

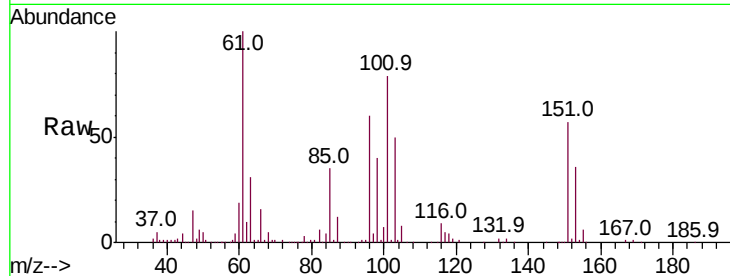
Tot Ion:101 Resp: 54690

Ion Ratio Lower Upper

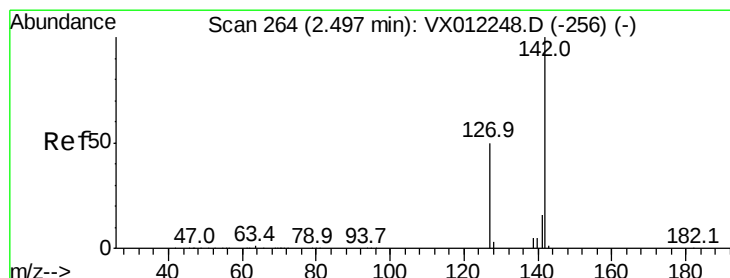
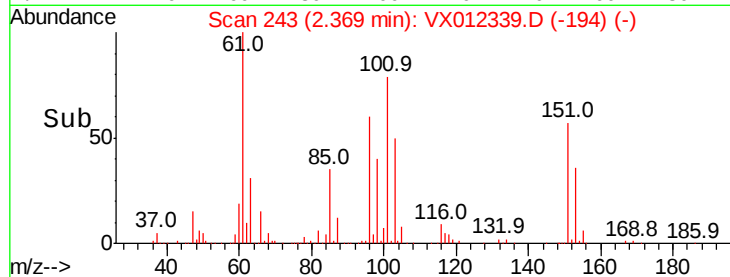
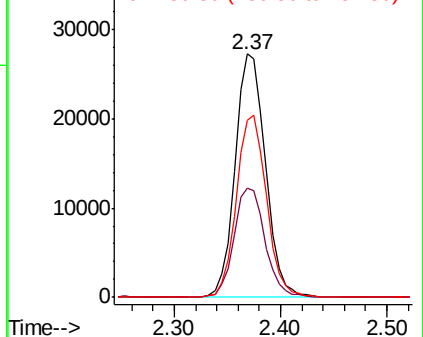
101 100

85 45.9 37.0 55.6

151 74.2 58.6 87.8



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: 38.802 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

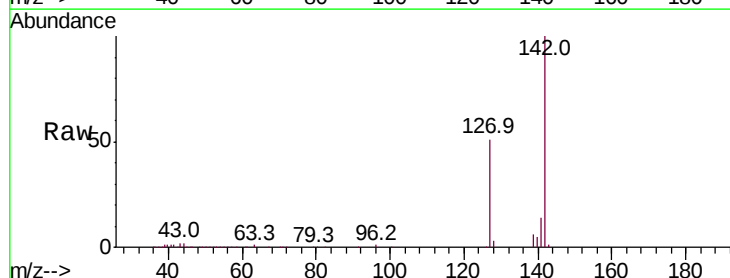
Tgt Ion:142 Resp: 47084

Ion Ratio Lower Upper

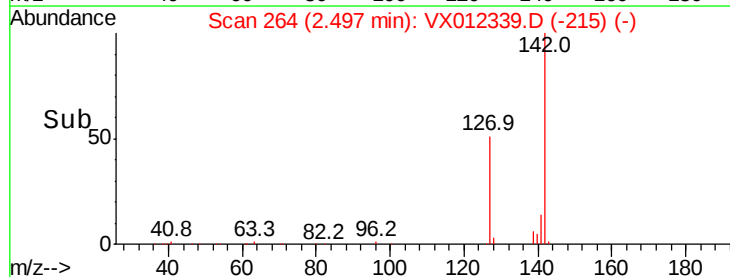
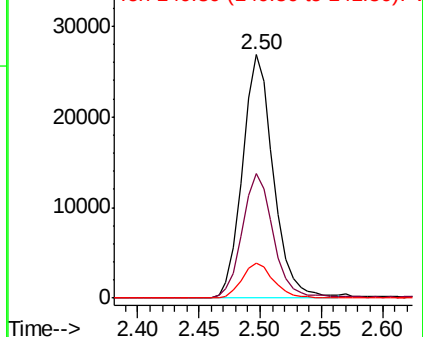
142 100

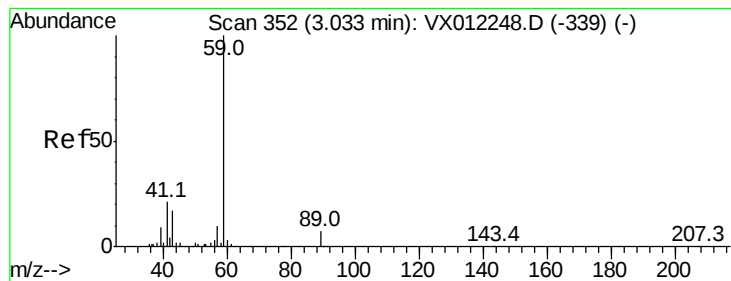
127 51.7 40.6 61.0

141 14.5 12.0 18.0



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



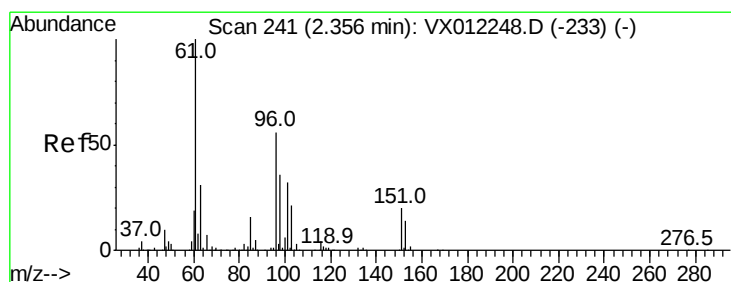
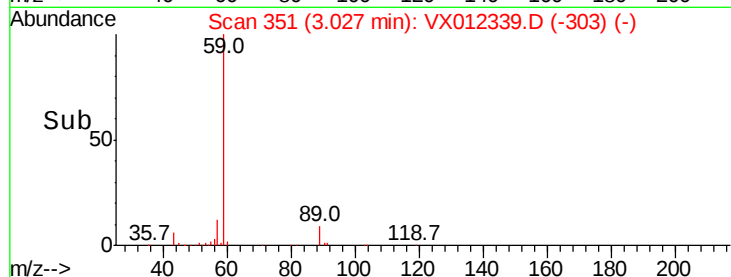
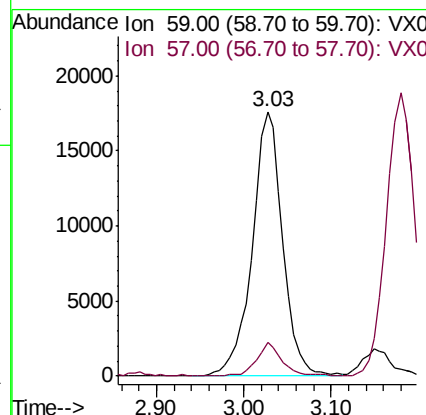
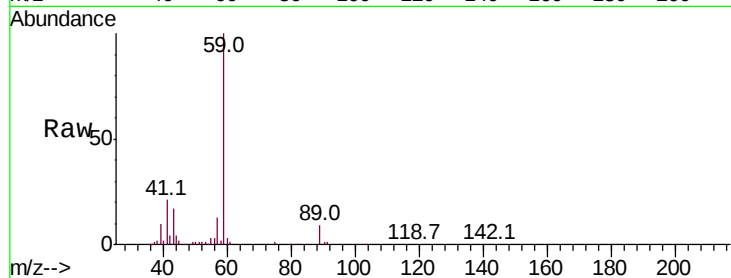


#11

Tert butyl alcohol
Concen: 195.083 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :

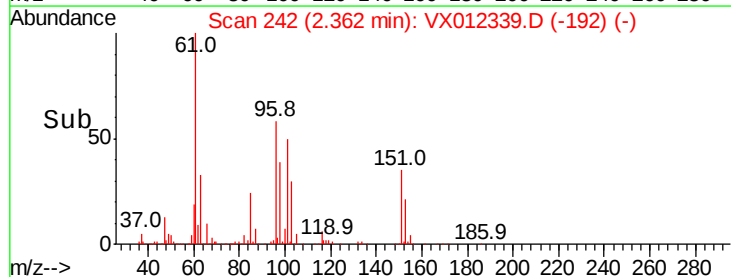
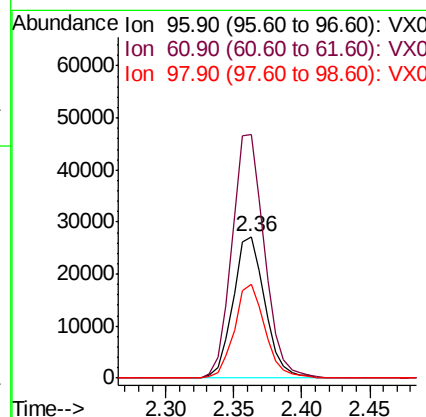
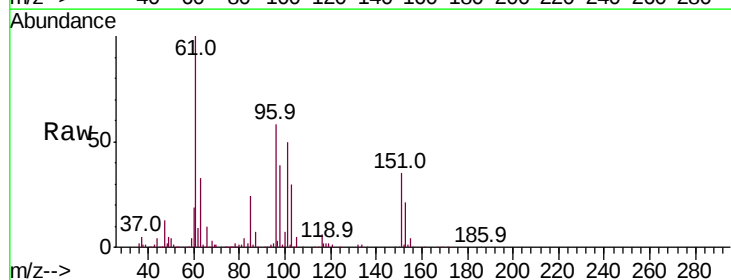
Tot Ion: 59 Resp: 42328
Ion Ratio Lower Upper
59 100
57 10.8 7.8 11.6

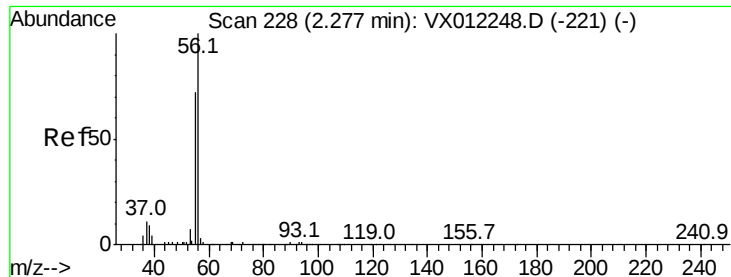


#12

1,1-Dichloroethene
Concen: 41.156 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 96 Resp: 44547
Ion Ratio Lower Upper
96 100
61 171.5 142.2 213.2
98 66.3 51.3 76.9

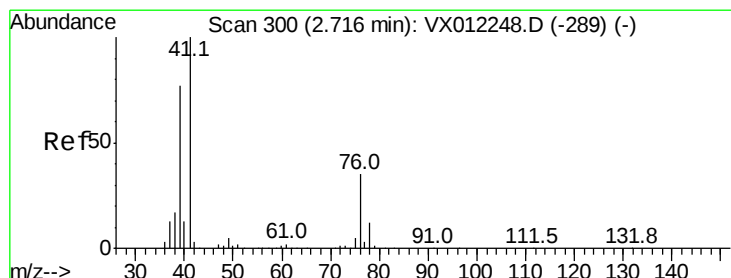
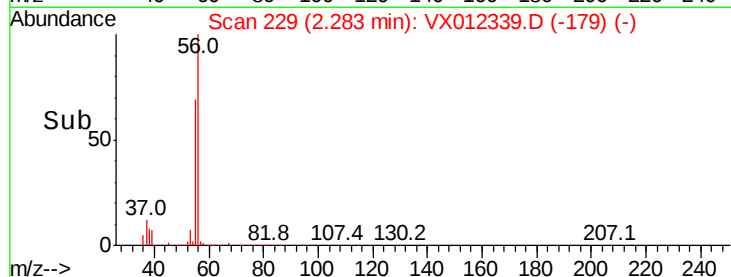
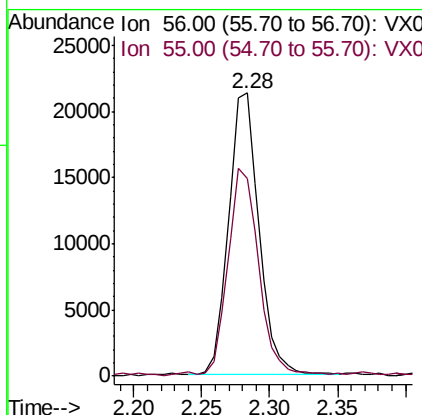
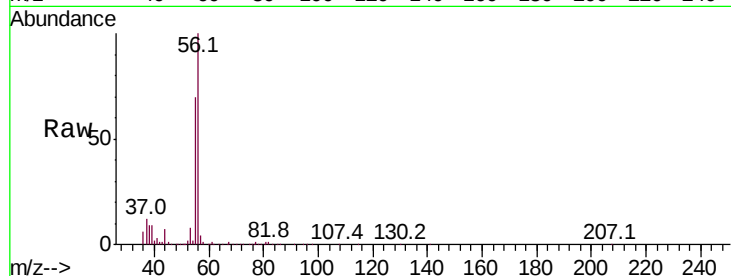




#13
Acrolein
Concen: 314.643 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

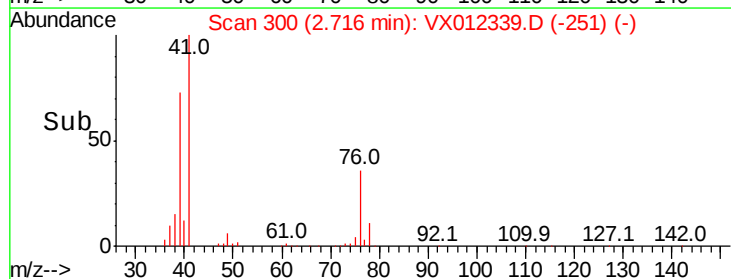
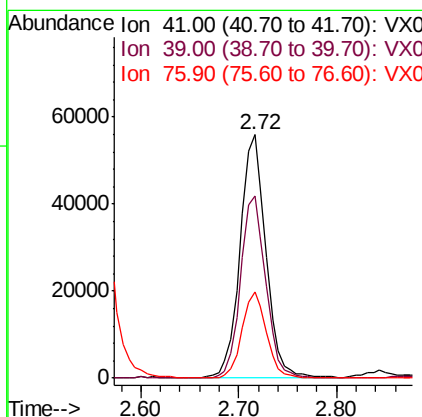
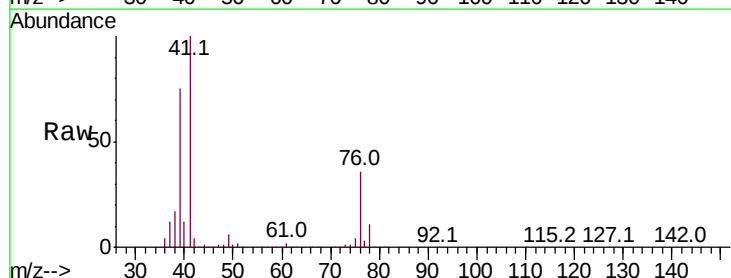
Instrument :
MSVOA_X
ClientSampleId :

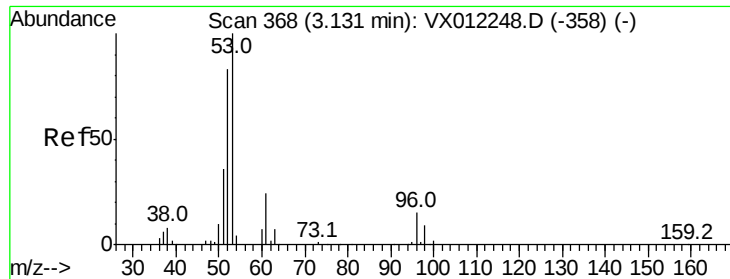
Tot Ion: 56 Resp: 33263
Ion Ratio Lower Upper
56 100
55 74.7 59.8 89.6



#14
Allyl chloride
Concen: 46.351 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 41 Resp: 102286
Ion Ratio Lower Upper
41 100
39 72.8 58.6 87.8
76 33.7 26.3 39.5





#15

Acrylonitrile

Concen: 230.054 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

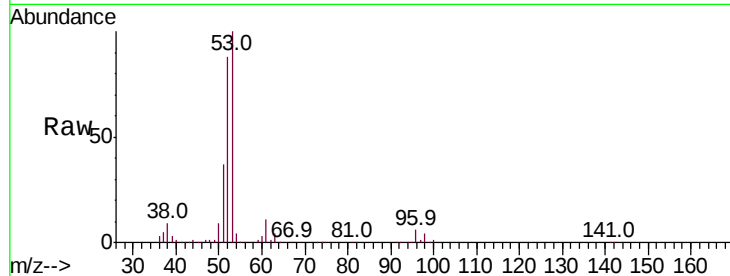
Tot Ion: 53 Resp: 91796

Ion Ratio Lower Upper

53 100

52 86.6 66.8 100.2

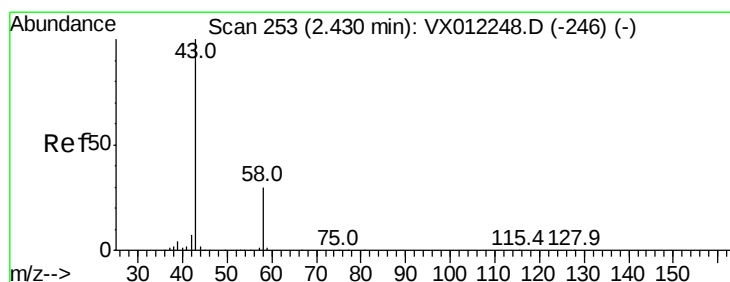
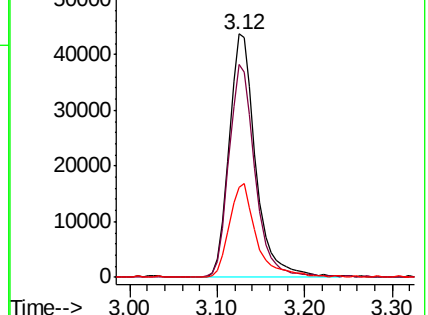
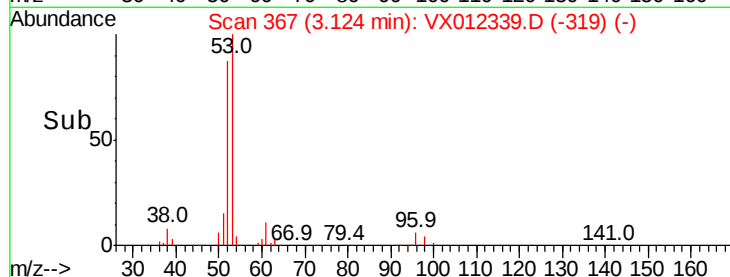
51 39.1 30.7 46.1



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: 247.141 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012339.D

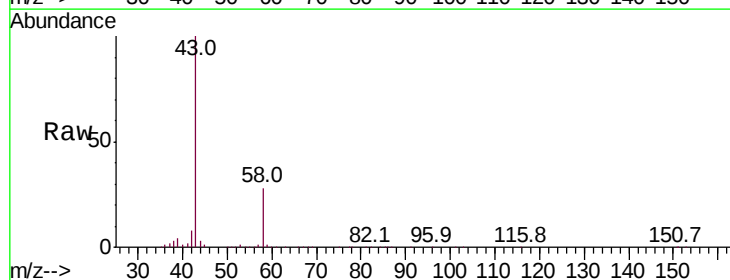
Acq: 12 Sep 2019 10:15

Tgt Ion: 43 Resp: 118318

Ion Ratio Lower Upper

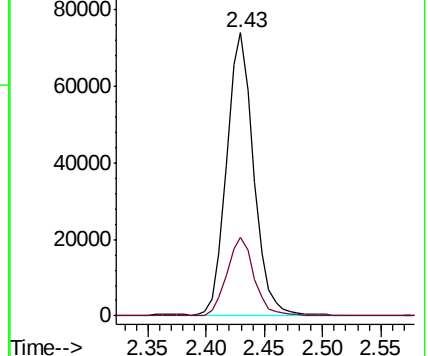
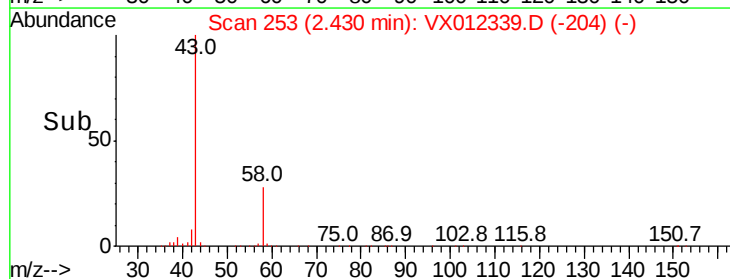
43 100

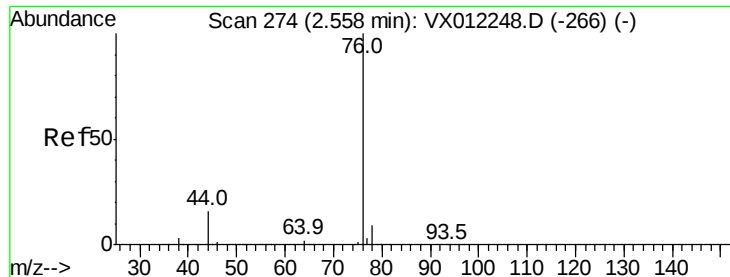
58 27.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 44.078 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

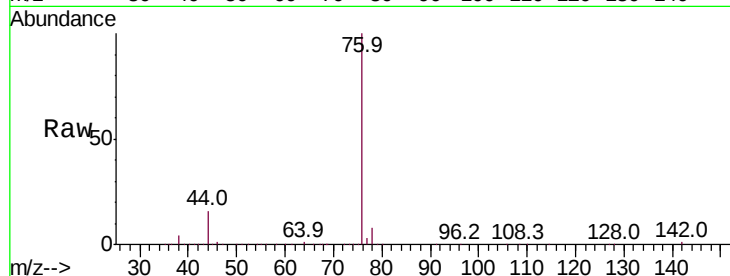
ClientSampleId :

Tot Ion: 76 Resp: 100187

Ion Ratio Lower Upper

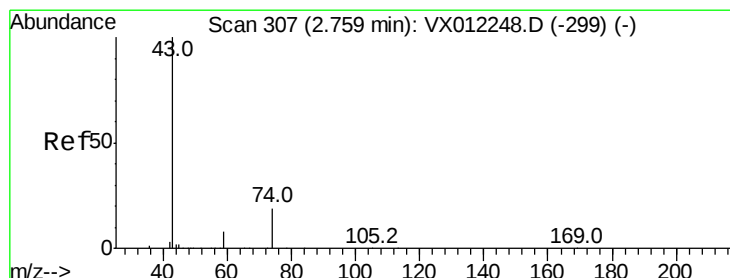
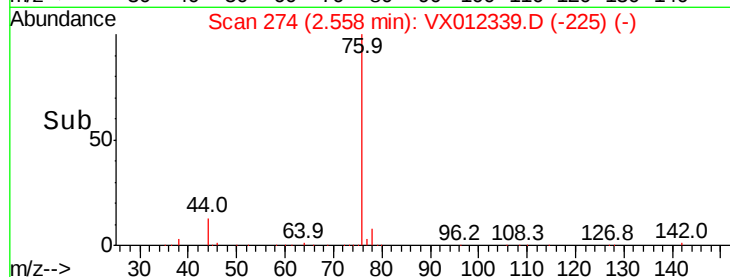
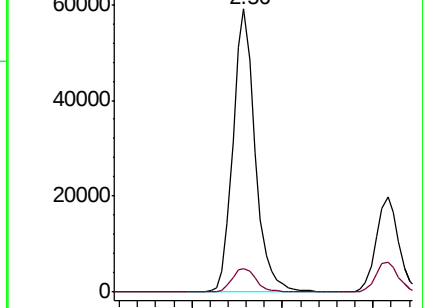
76 100

78 8.4 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 44.228 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012339.D

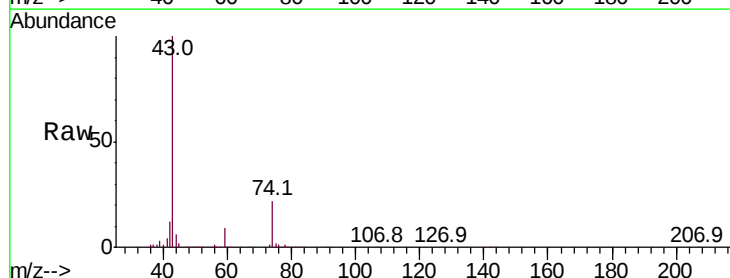
Acq: 12 Sep 2019 10:15

Tgt Ion: 43 Resp: 44505

Ion Ratio Lower Upper

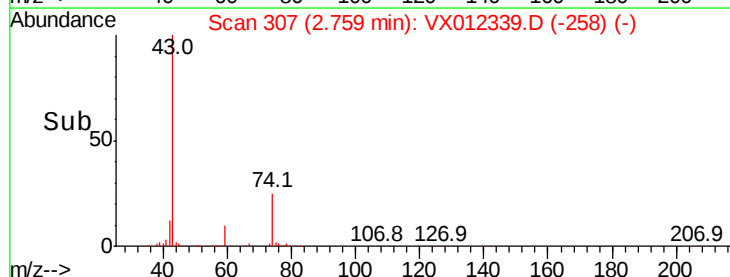
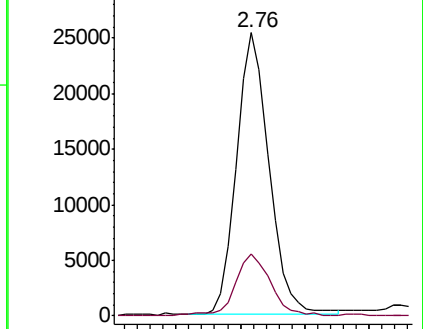
43 100

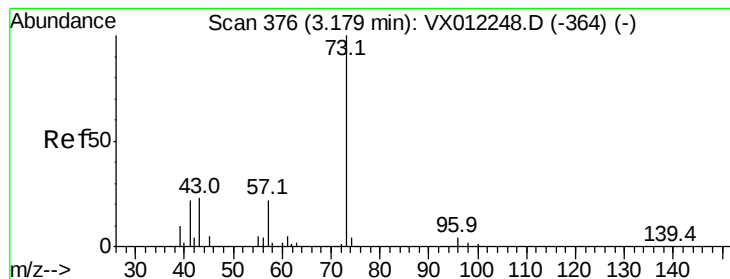
74 23.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



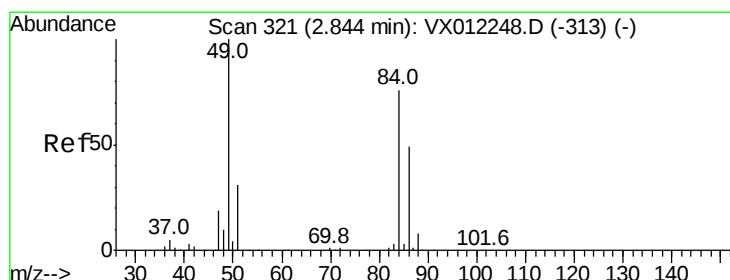
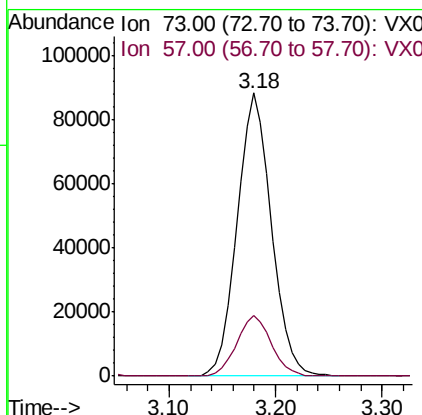
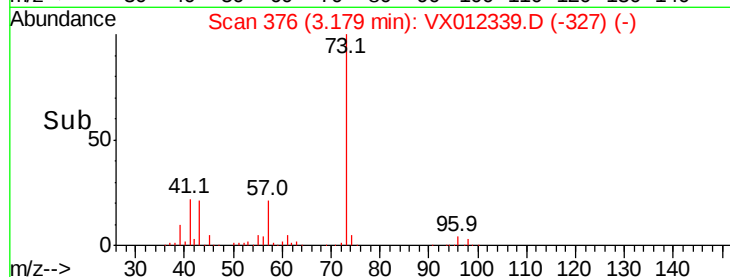
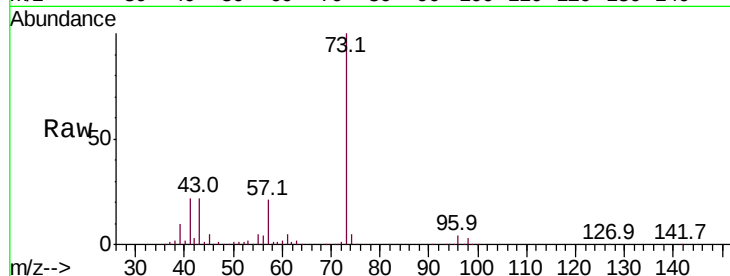


#19

Methyl tert-butyl Ether
 Concen: 46.685 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

Instrument :
 MSVOA_X
 ClientSampleId :

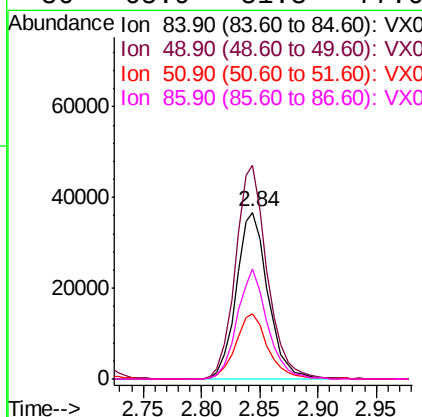
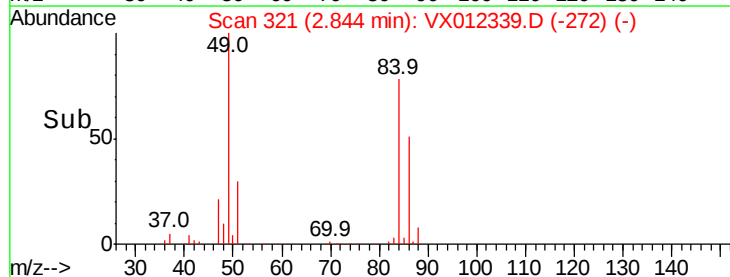
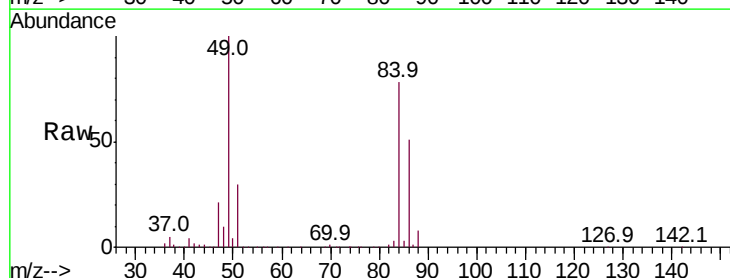
Tot Ion: 73 Resp: 199555
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.7 26.5

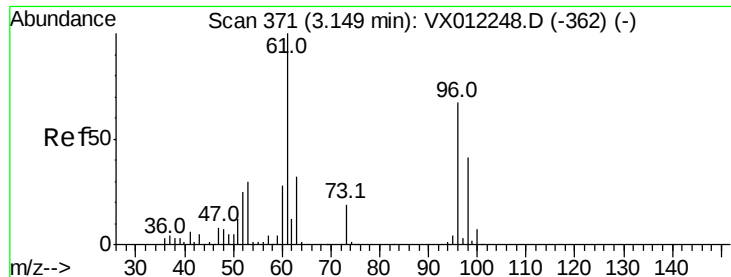


#20

Methylene Chloride
 Concen: 46.331 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

Tgt Ion: 84 Resp: 69490
 Ion Ratio Lower Upper
 84 100
 49 127.8 105.0 157.6
 51 39.0 32.6 48.8
 86 65.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.590 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :

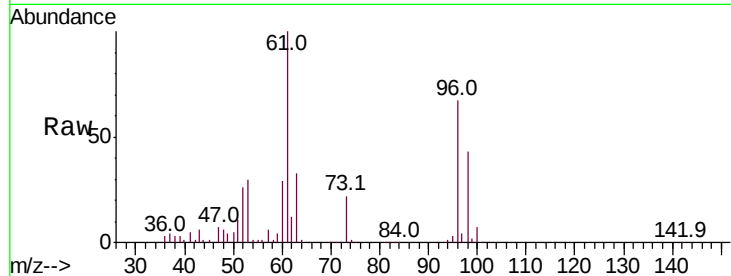
Tot Ion: 96 Resp: 60165

Ion Ratio Lower Upper

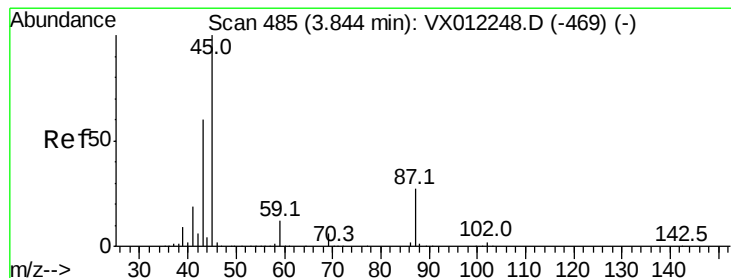
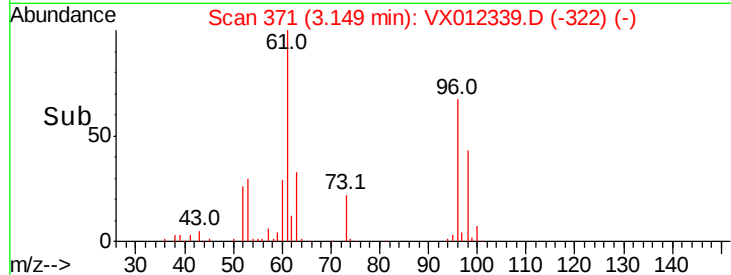
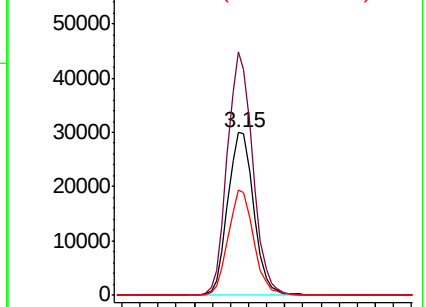
96 100

61 149.4 119.4 179.2

98 65.0 48.4 72.6



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: 46.740 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Tgt Ion: 45 Resp: 235888

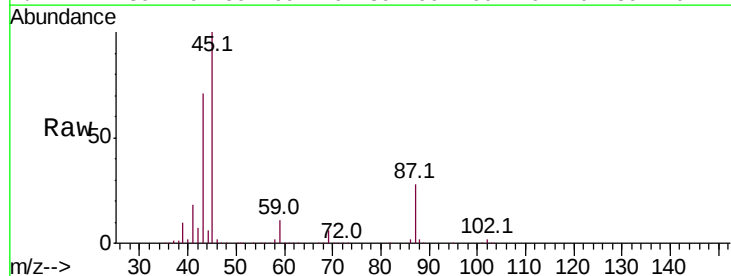
Ion Ratio Lower Upper

45 100

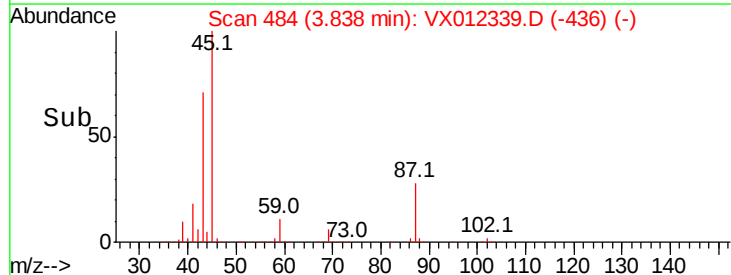
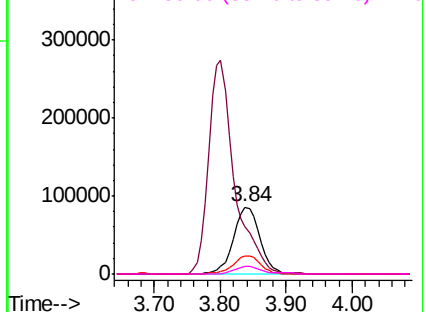
43 71.0 48.3 72.5

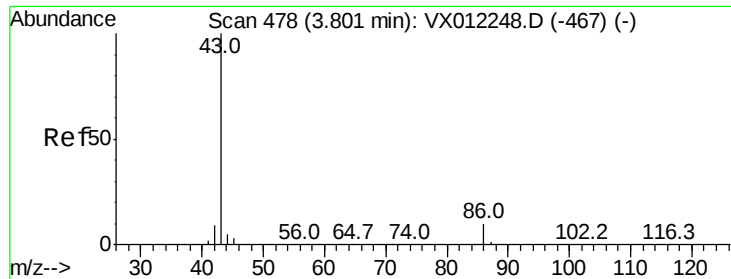
87 27.6 21.8 32.8

59 10.9 9.1 13.7



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: 240.069 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

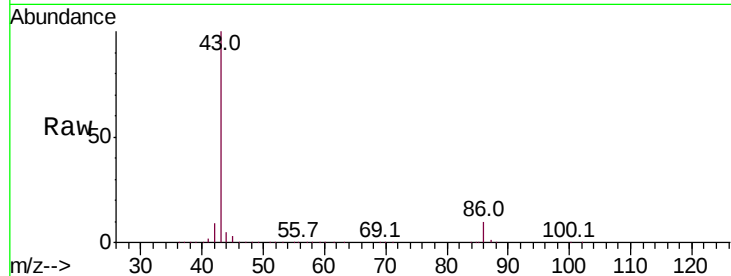
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 743355

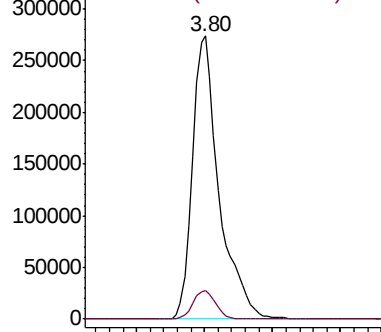
Ion Ratio Lower Upper

43 100

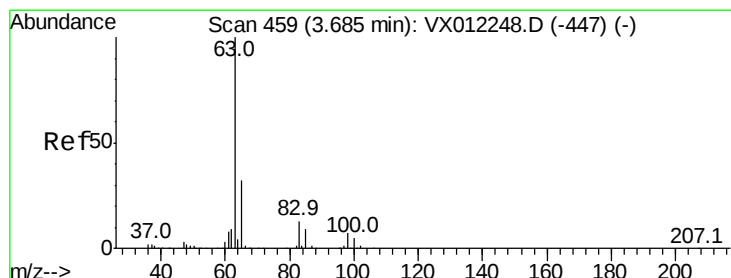
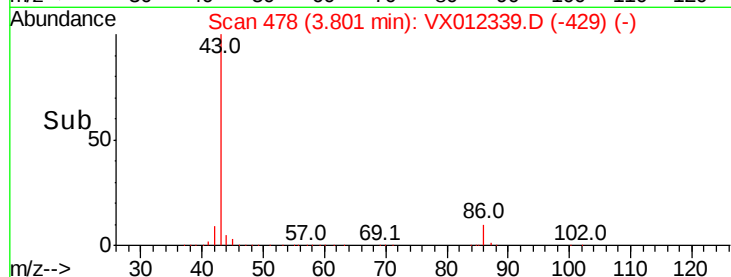
86 10.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 46.745 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

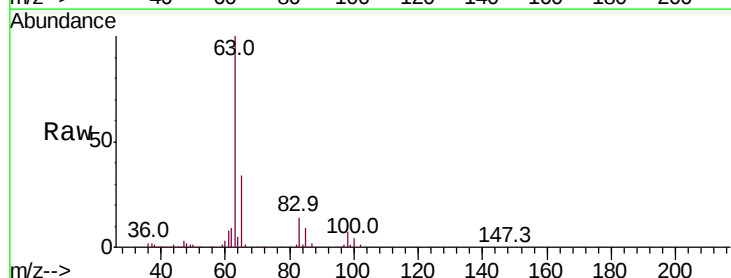
Tgt Ion: 63 Resp: 126365

Ion Ratio Lower Upper

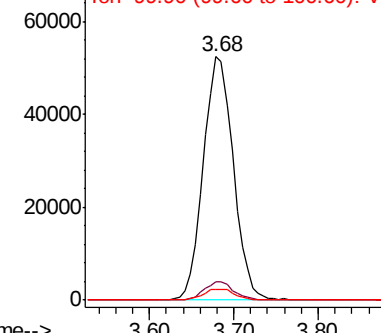
63 100

98 7.4 3.4 10.1

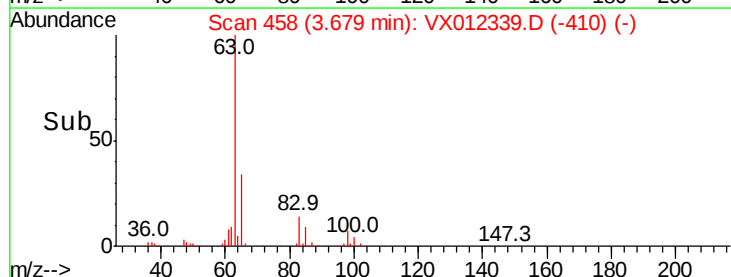
100 4.3 2.4 7.2

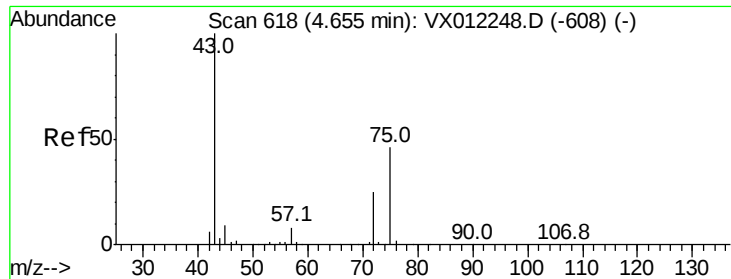


Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 238.891 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

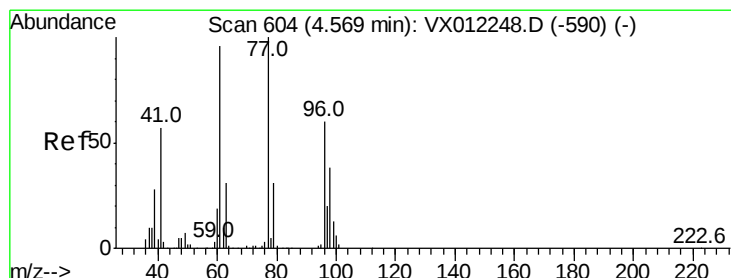
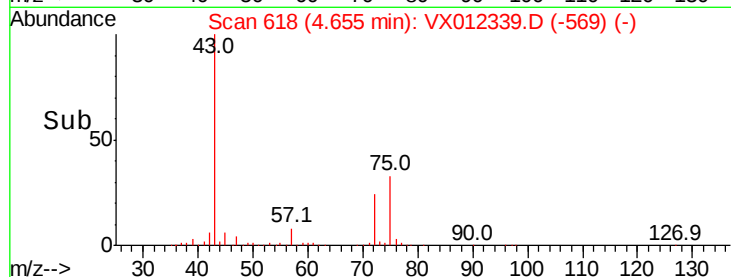
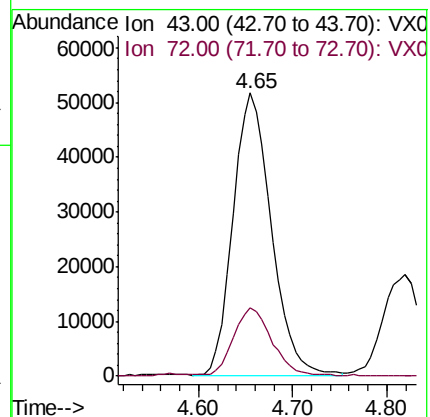
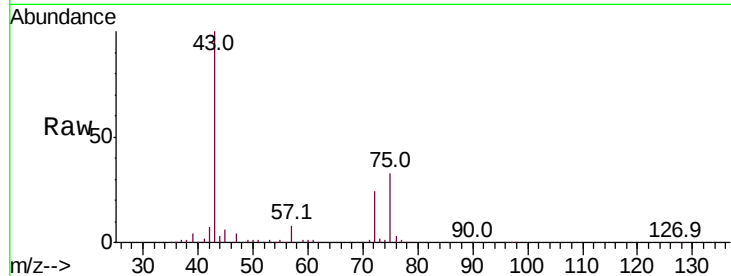
ClientSampled :

Tot Ion: 43 Resp: 146203

Ion Ratio Lower Upper

43 100

72 24.1 20.2 30.2



#26

2,2-Dichloropropane

Concen: 47.908 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012339.D

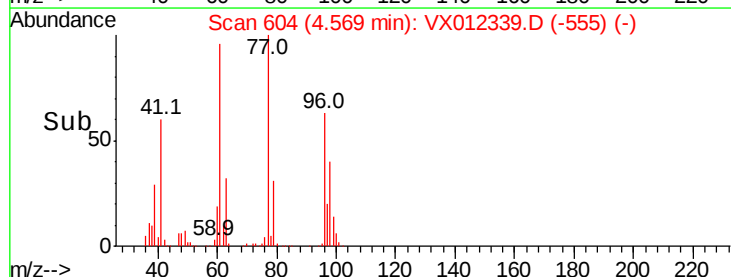
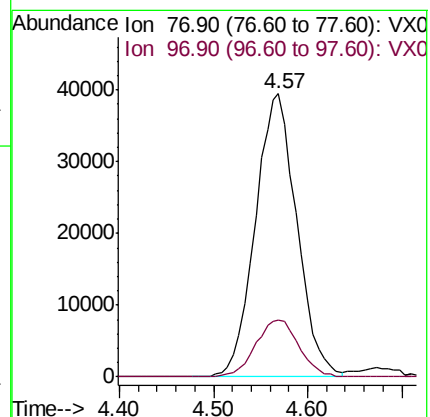
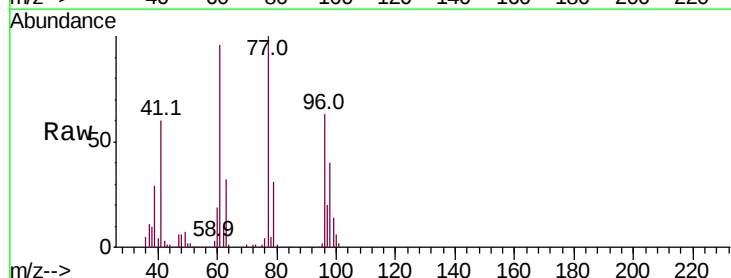
Acq: 12 Sep 2019 10:15

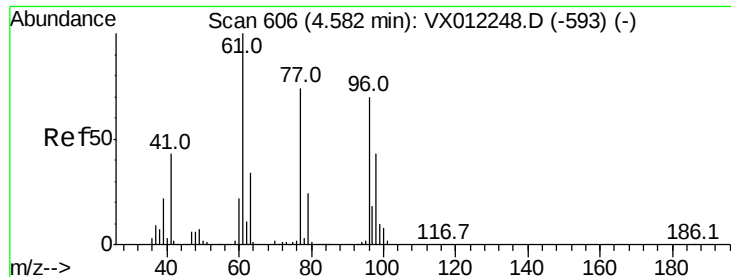
Tgt Ion: 77 Resp: 121591

Ion Ratio Lower Upper

77 100

97 21.1 10.7 32.1



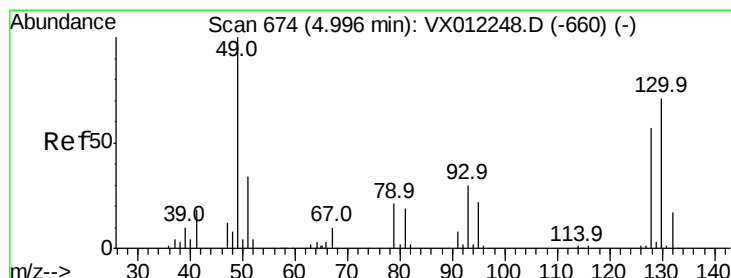
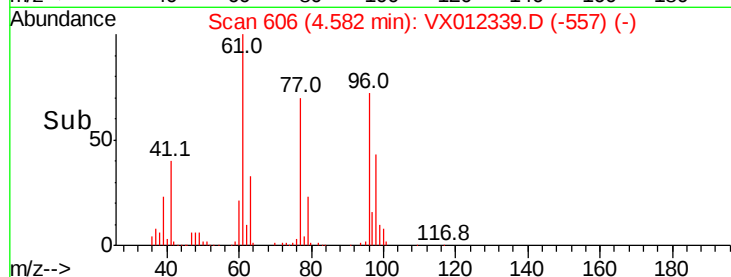
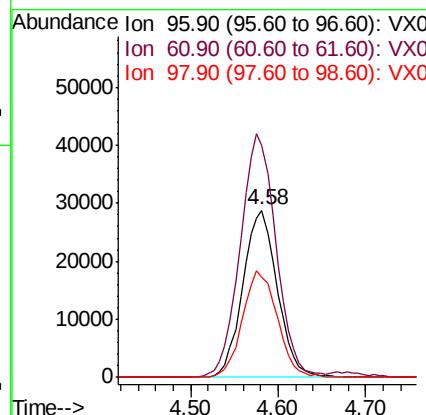
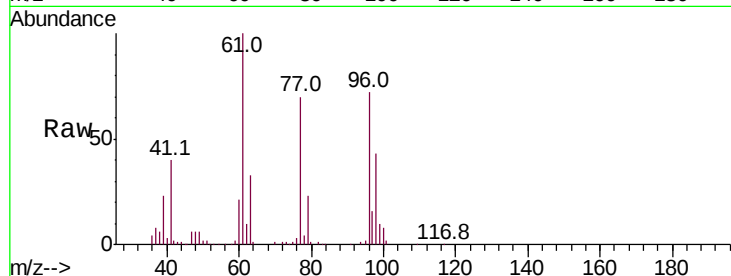


#27

cis-1,2-Dichloroethene
Concen: 47.426 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampled :

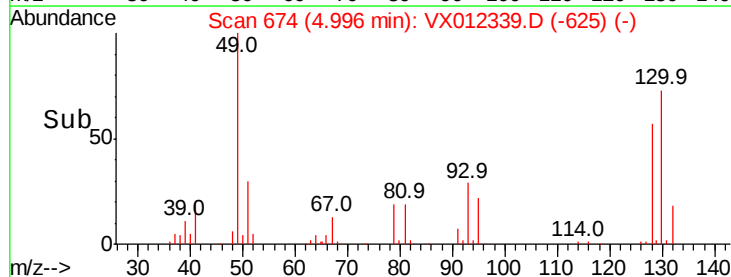
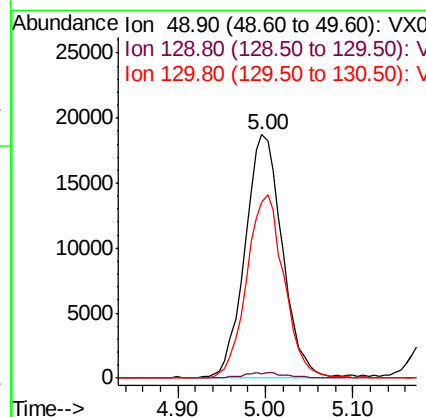
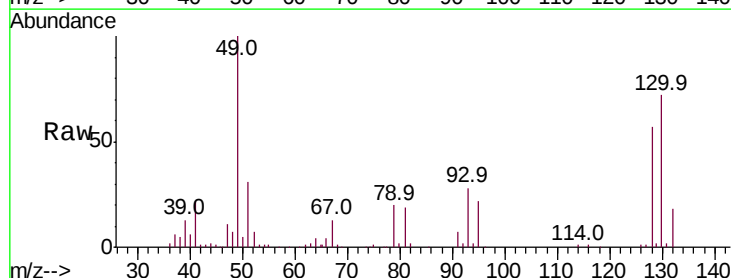
Tot Ion	96	Resp	79069
Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	310.4
98	64.3	0.0	128.8

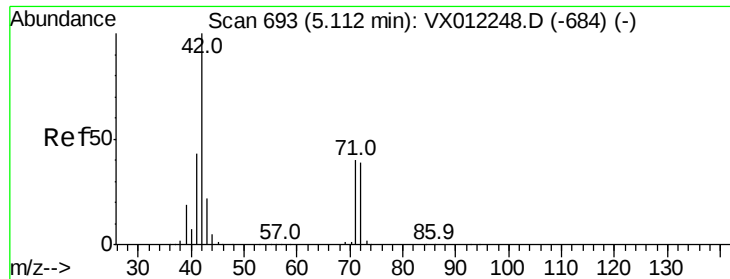


#28

Bromochloromethane
Concen: 43.918 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion	49	Resp	55681
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	75.1	60.1	90.1

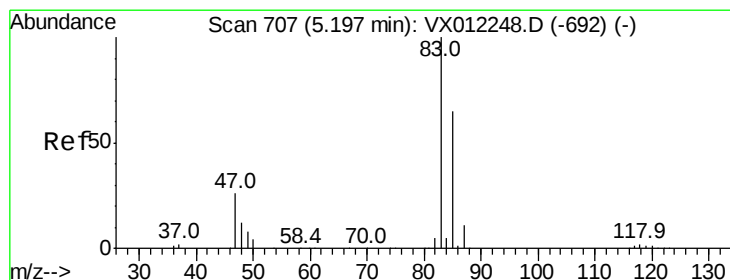
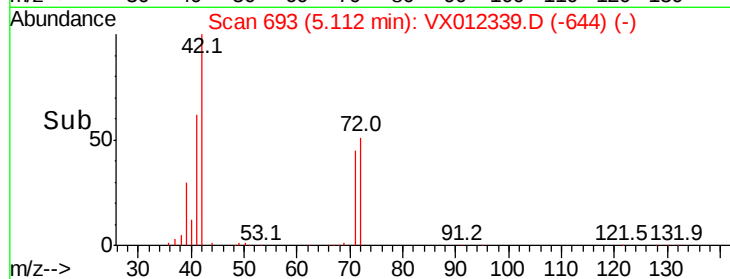
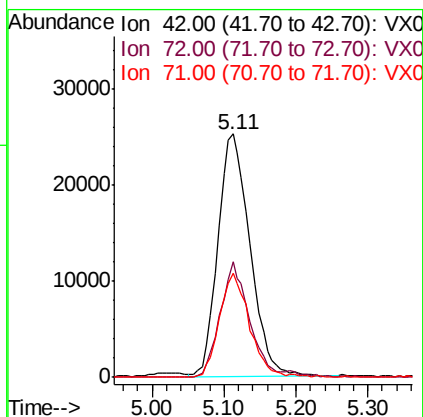
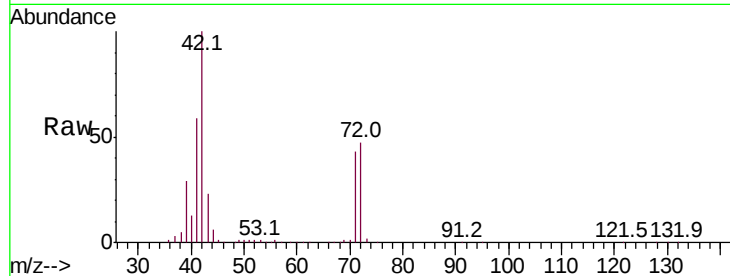




#29
Tetrahydrofuran
Concen: 236.399 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

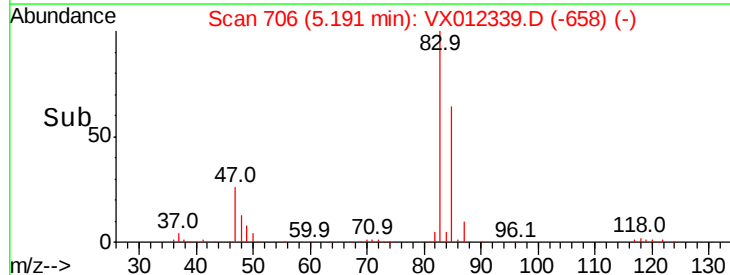
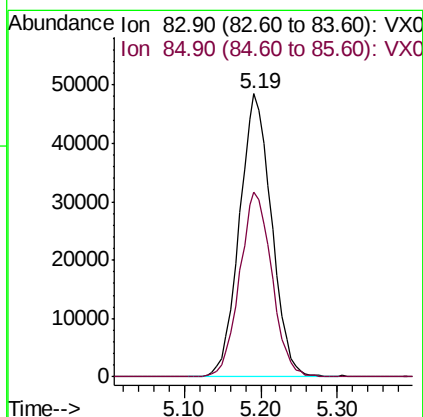
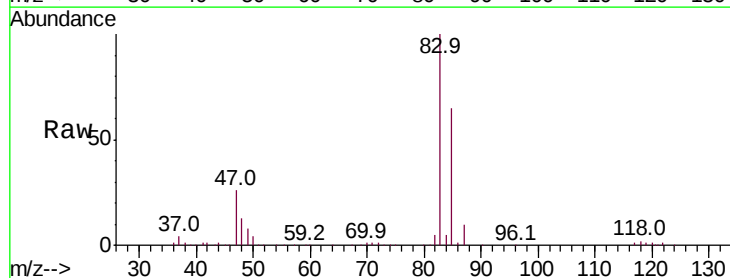
Instrument :
MSVOA_X
ClientSampleId :

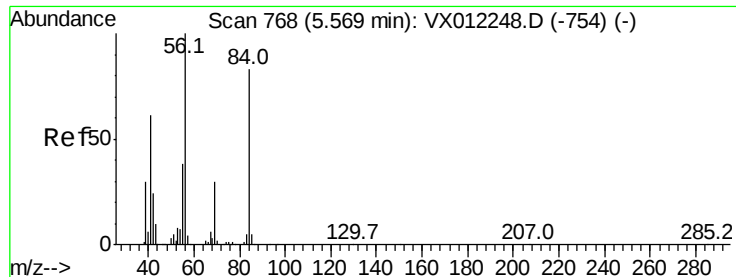
Tot Ion: 42 Resp: 78060
Ion Ratio Lower Upper
42 100
72 43.4 35.2 52.8
71 40.8 32.5 48.7



#30
Chloroform
Concen: 46.430 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 83 Resp: 141535
Ion Ratio Lower Upper
83 100
85 65.2 52.3 78.5

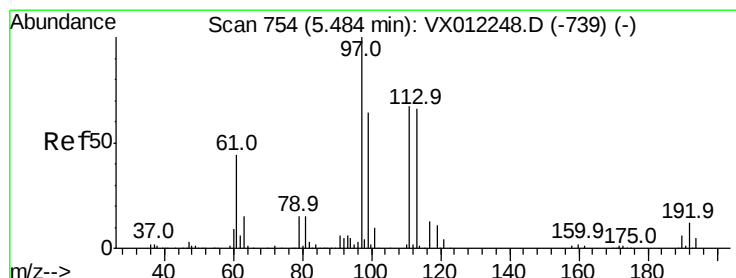
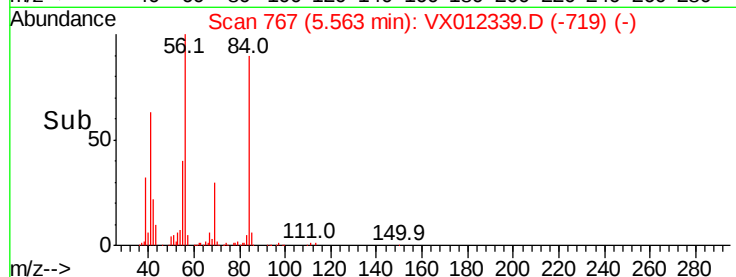
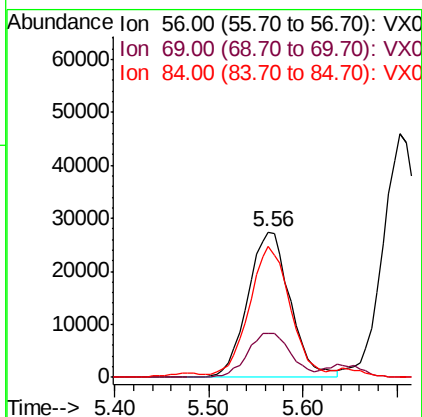
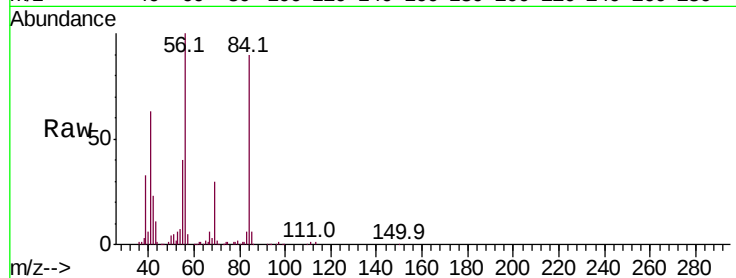




#31
Cvclohexane
Concen: 45.614 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

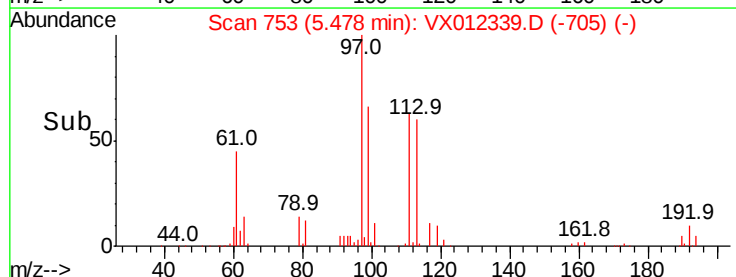
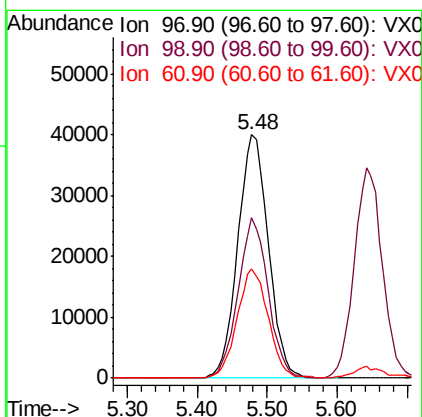
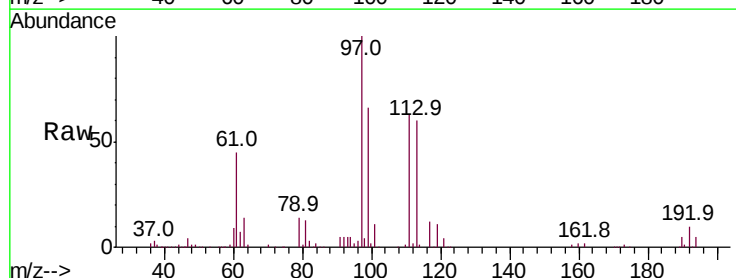
Instrument :
MSVOA_X
ClientSampleId :

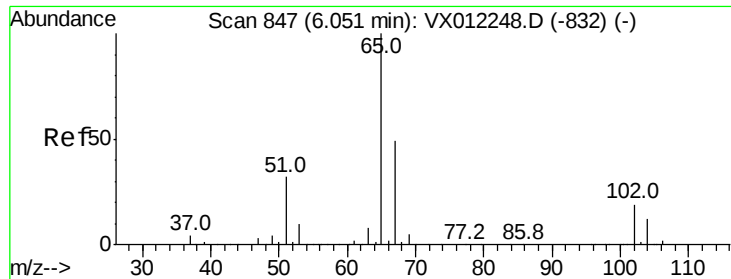
Tot Ion: 56 Resp: 85655
Ion Ratio Lower Upper
56 100
69 30.5 23.8 35.6
84 87.8 66.6 100.0



#32
1,1,1-Trichloroethane
Concen: 46.468 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 97 Resp: 121631
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 45.6 35.4 53.0

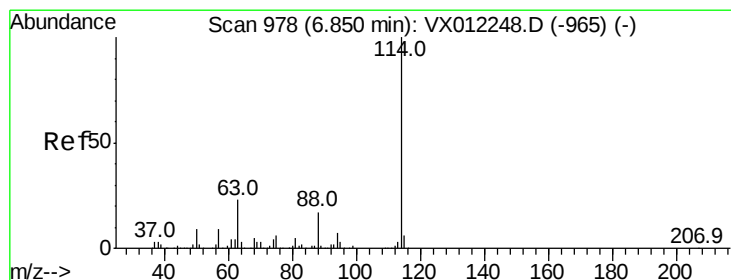
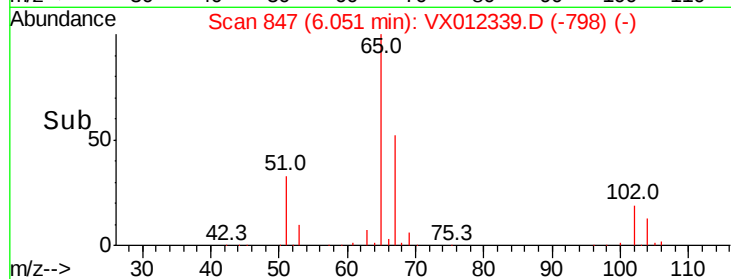
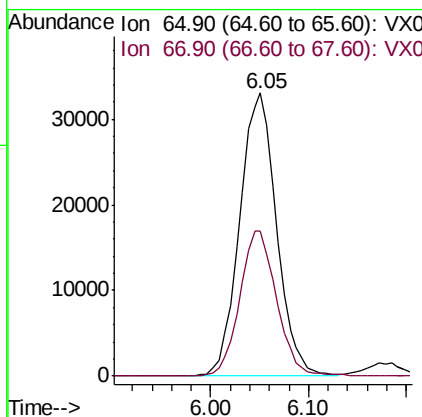
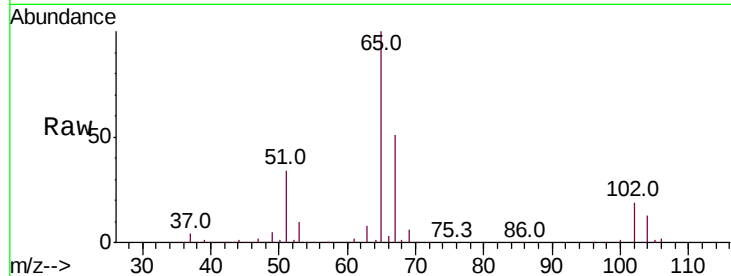




#33
 1,2-Dichloroethane-d4
 Concen: 42.755 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

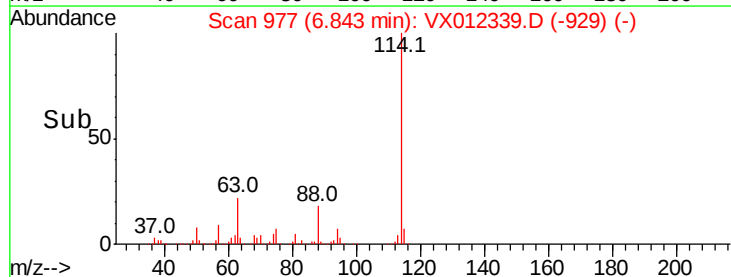
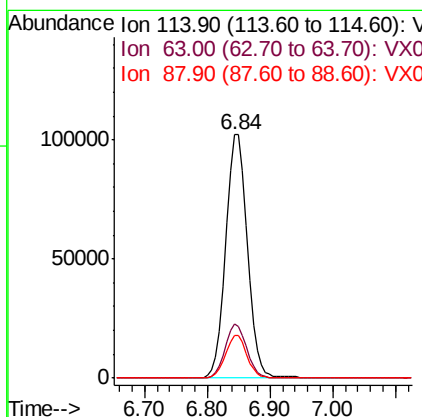
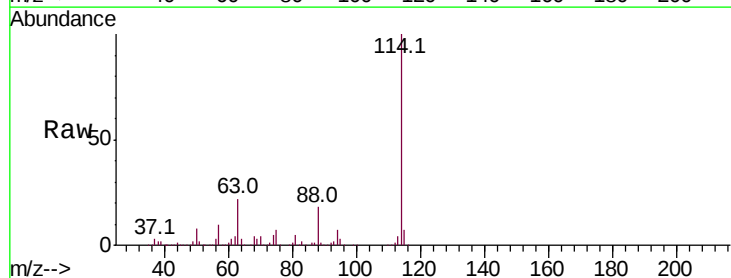
Instrument :
 MSVOA_X
 ClientSampleId :

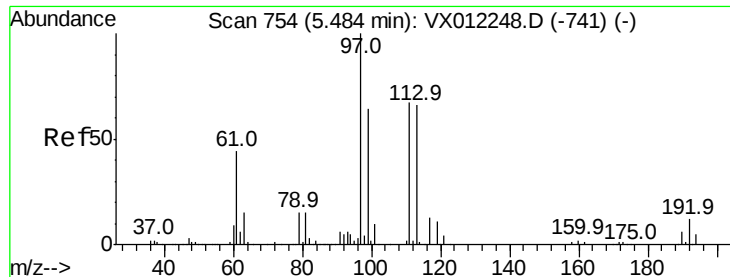
Tot Ion: 65 Resp: 86465
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

Tgt Ion: 114 Resp: 245429
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.2
 88 17.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 44.716 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

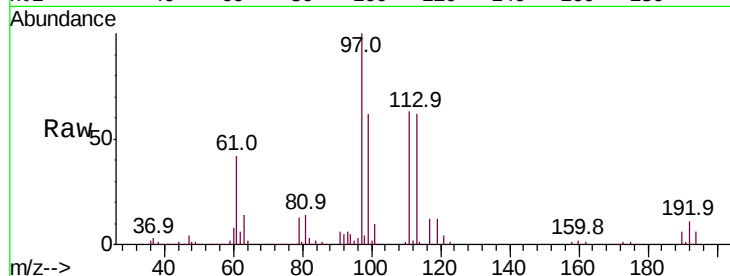
Tot Ion:113 Resp: 70353

Ion Ratio Lower Upper

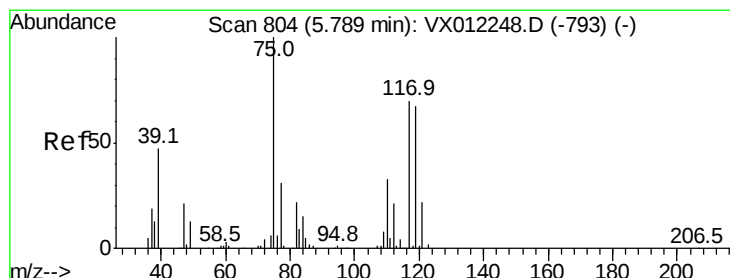
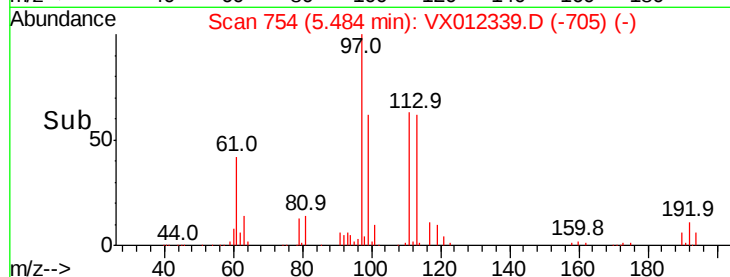
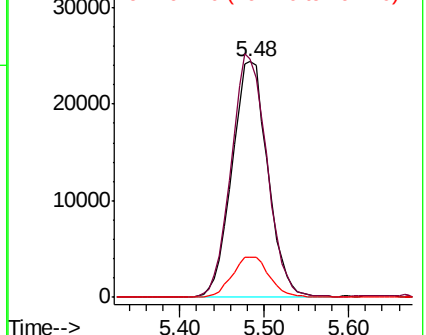
113 100

111 103.1 83.0 124.6

192 17.7 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.816 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

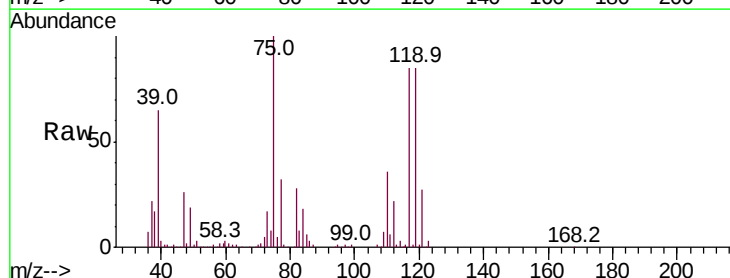
Tgt Ion: 75 Resp: 87361

Ion Ratio Lower Upper

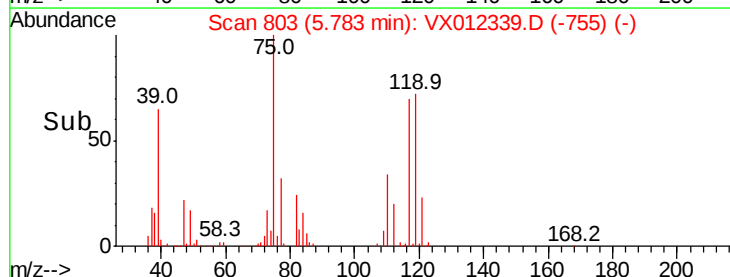
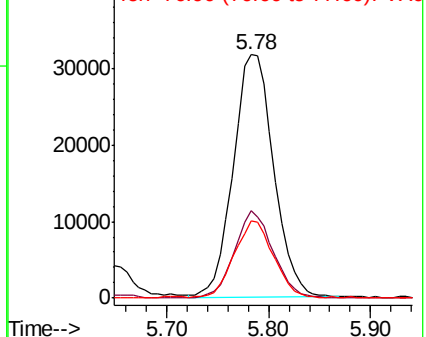
75 100

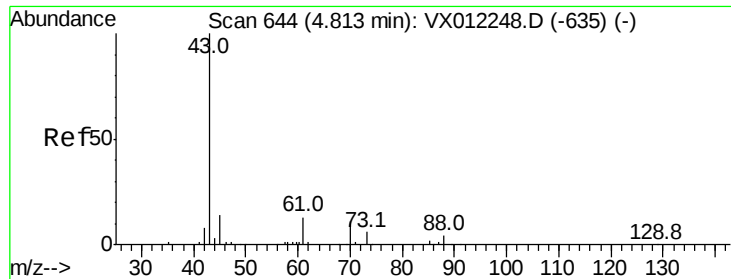
110 34.4 16.8 50.4

77 30.7 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

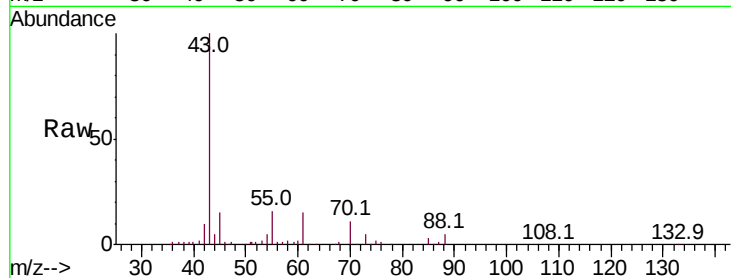




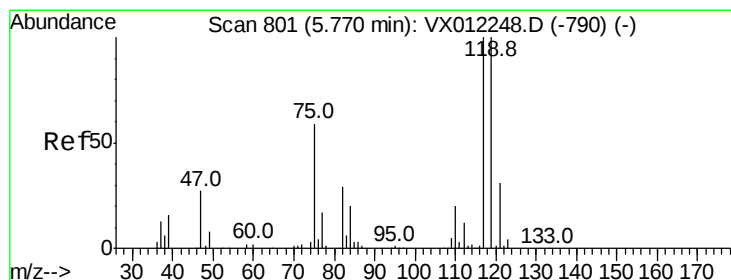
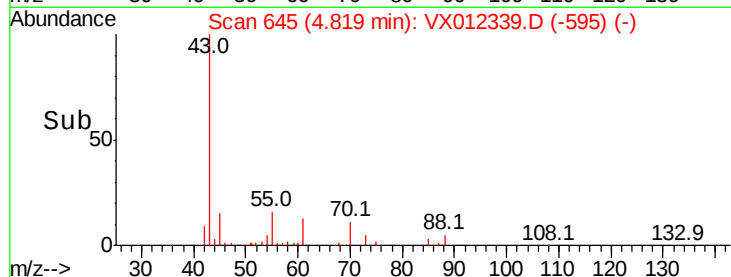
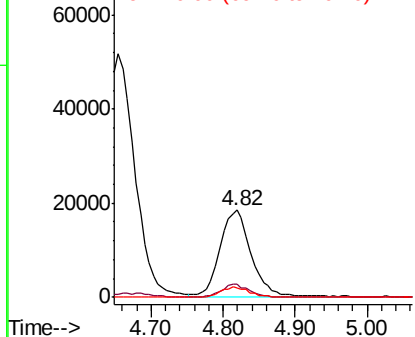
#37
Ethyl Acetate
Concen: 49.947 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 55254
Ion Ratio Lower Upper
43 100
61 13.5 10.3 15.5
70 11.6 9.1 13.7

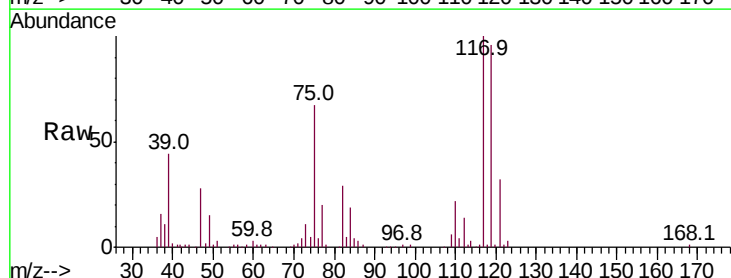


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

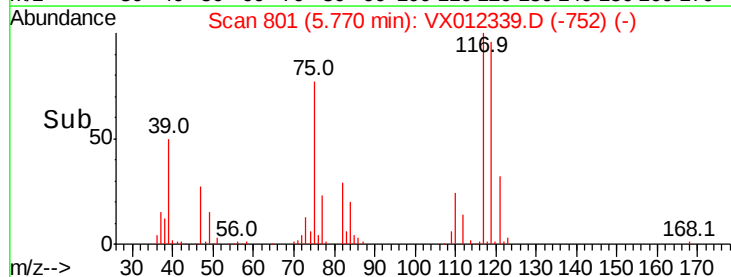
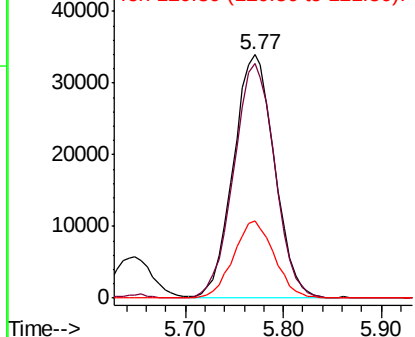


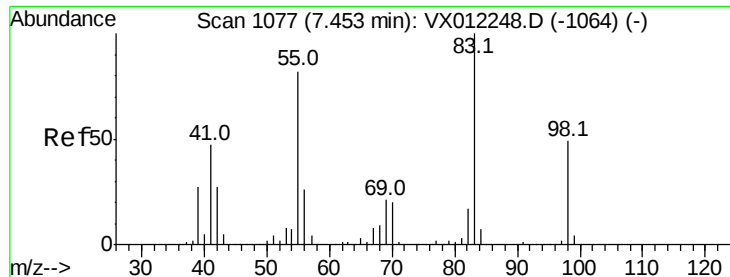
#38
Carbon Tetrachloride
Concen: 46.951 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 117 Resp: 98581
Ion Ratio Lower Upper
117 100
119 96.4 79.6 119.4
121 32.0 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

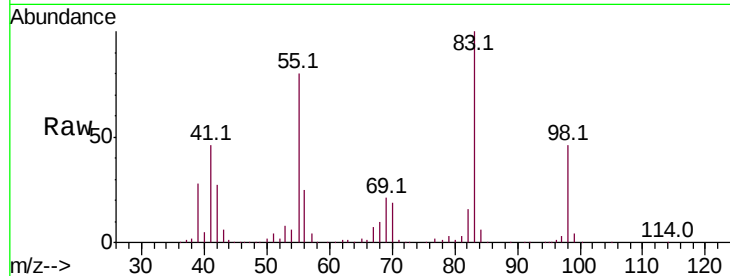




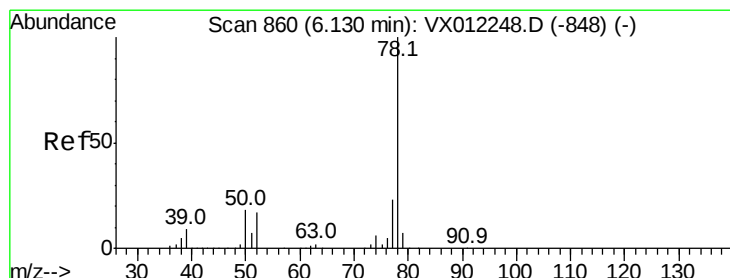
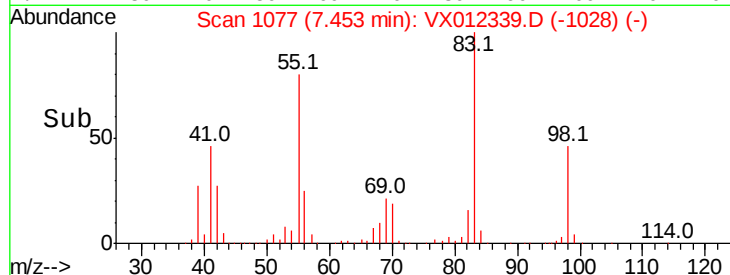
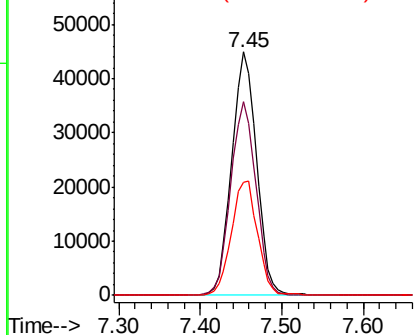
#39
Methvlcvclohexane
Concen: 48.060 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 94387
Ion Ratio Lower Upper
83 100
55 79.5 65.4 98.2
98 46.4 39.6 59.4

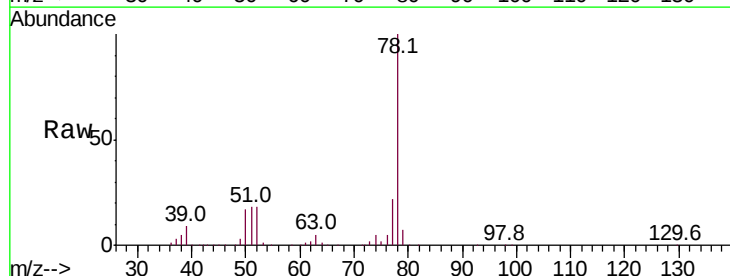


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

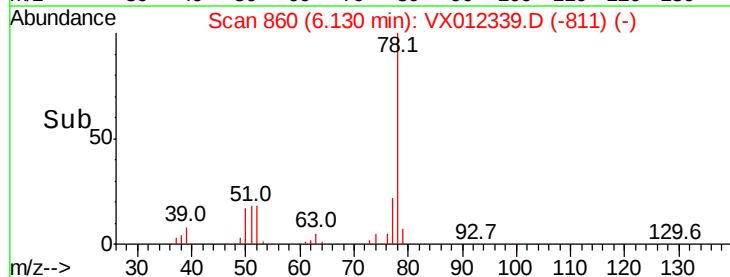
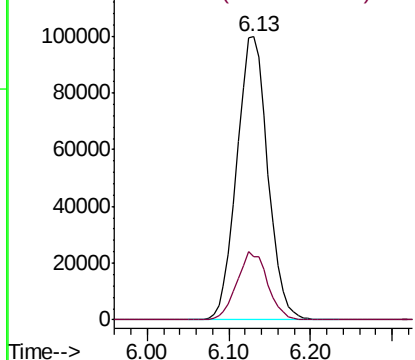


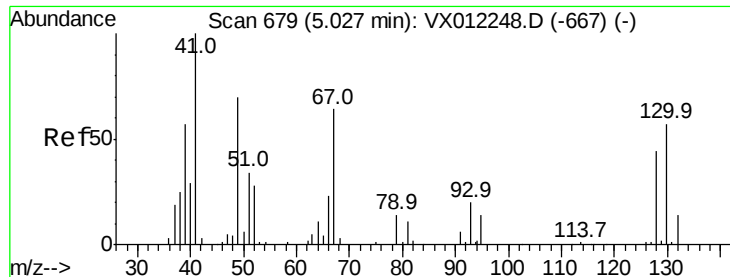
#40
Benzene
Concen: 48.576 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 78 Resp: 263103
Ion Ratio Lower Upper
78 100
77 22.2 18.0 27.0



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





#41

Methacrylonitrile

Concen: 49.166 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 41 Resp: 33531

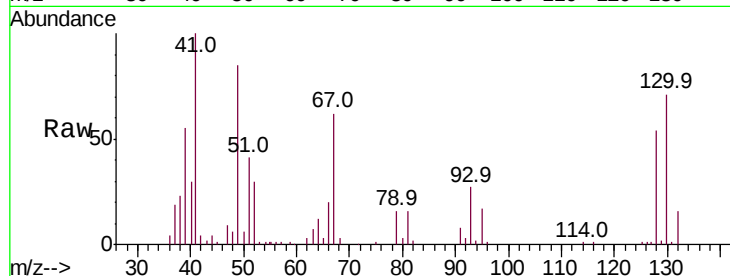
Ion Ratio Lower Upper

41 100

39 57.8 49.0 73.4

67 69.1 55.0 82.4

52 30.1 25.4 38.0

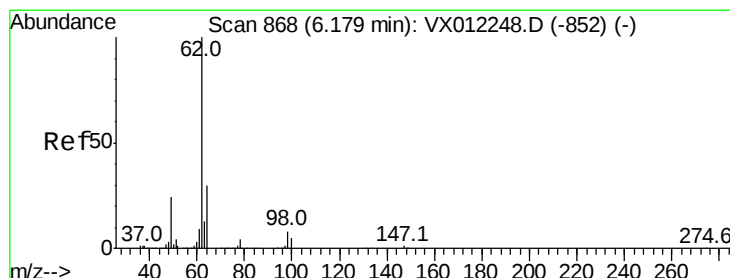
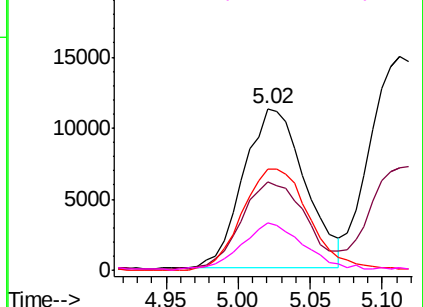
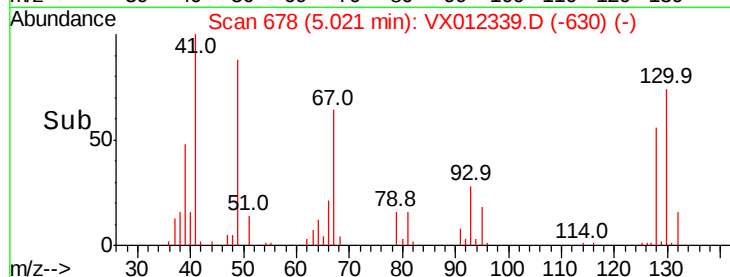


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 47.617 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012339.D

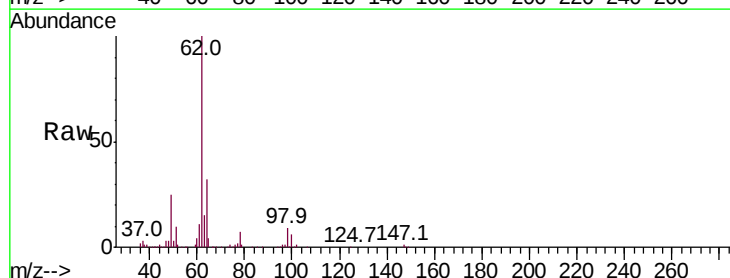
Acq: 12 Sep 2019 10:15

Tgt Ion: 62 Resp: 101934

Ion Ratio Lower Upper

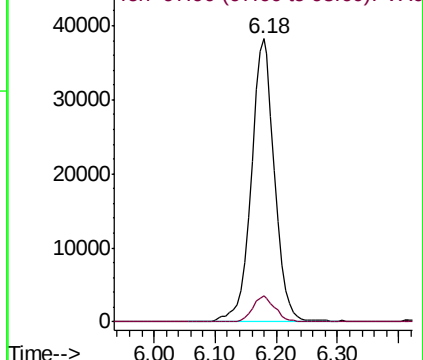
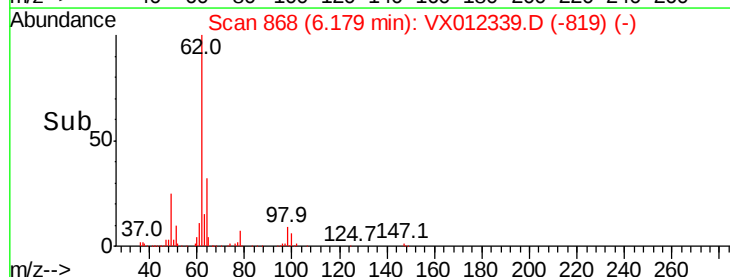
62 100

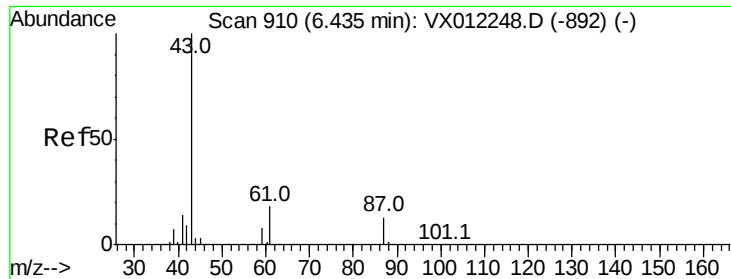
98 8.8 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.389 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

ClientSampled :

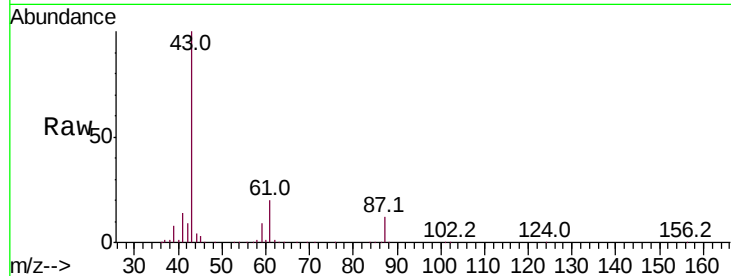
Tot Ion: 43 Resp: 110528

Ion Ratio Lower Upper

43 100

61 19.6 15.4 23.2

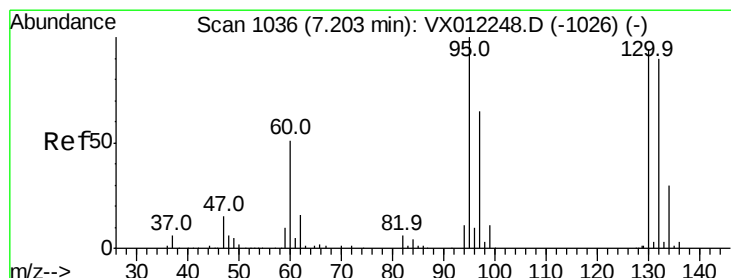
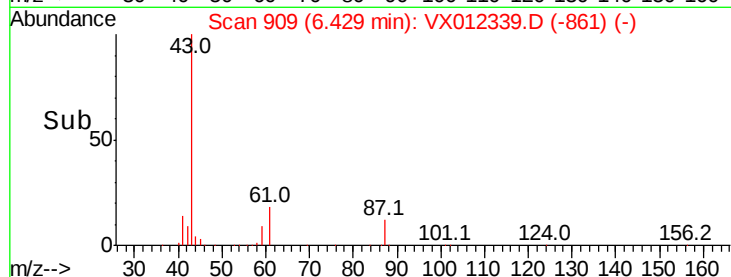
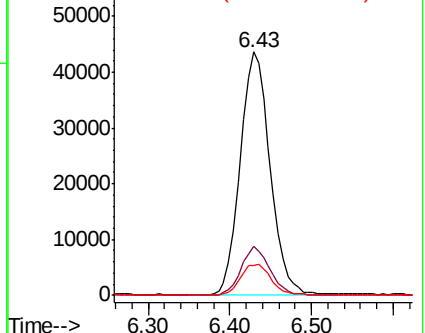
87 13.2 10.5 15.7



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: 49.657 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX012339.D

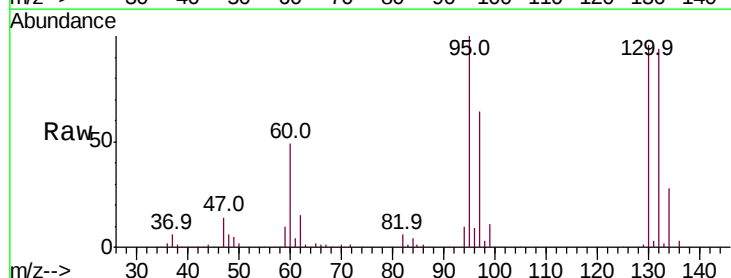
Acq: 12 Sep 2019 10:15

Tgt Ion:130 Resp: 72787

Ion Ratio Lower Upper

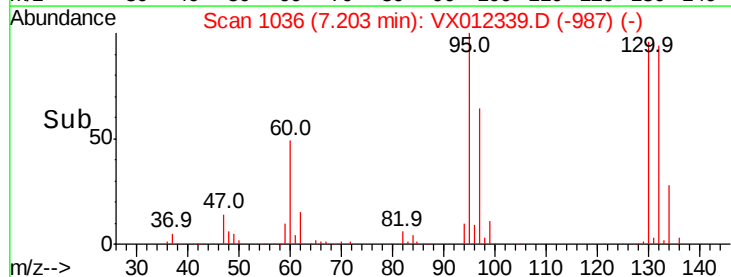
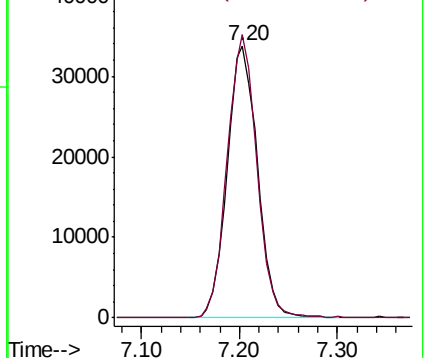
130 100

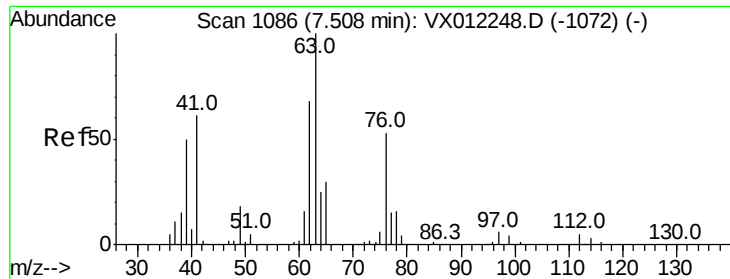
95 104.0 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 48.749 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

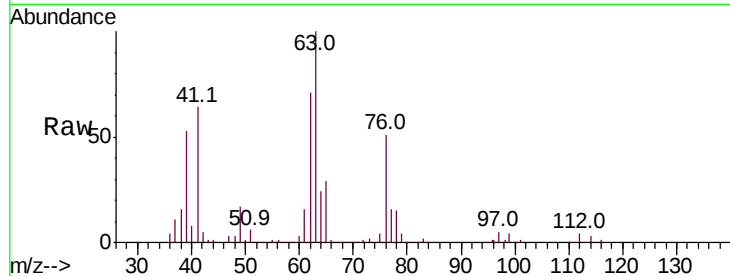
ClientSampleId :

Tot Ion: 63 Resp: 73086

Ion Ratio Lower Upper

63 100

65 29.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.50

40000

30000

20000

10000

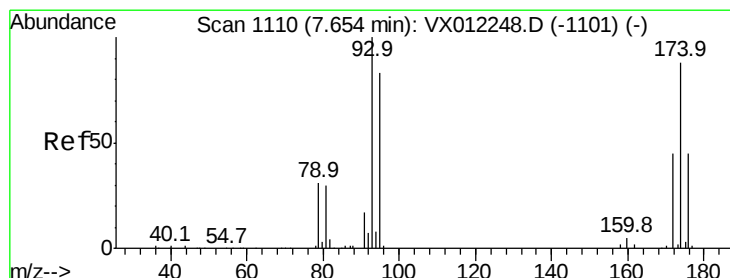
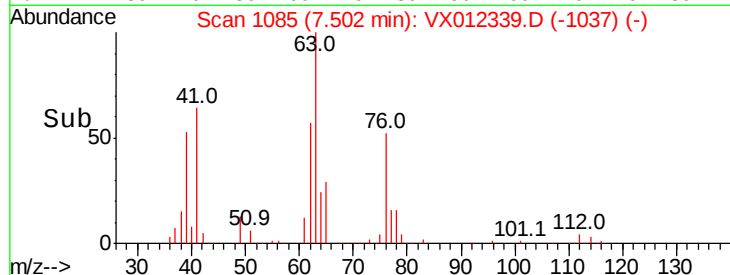
0

Time-->

7.40

7.50

7.60



#46

Dibromomethane

Concen: 49.595 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

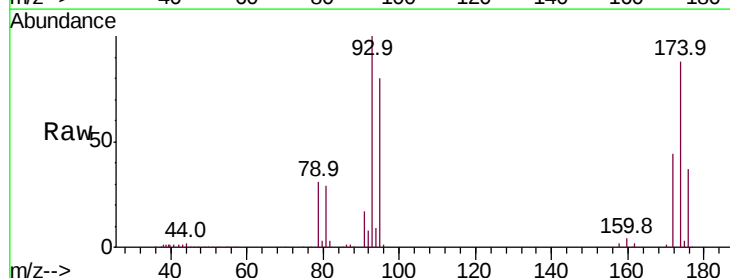
Tgt Ion: 93 Resp: 40637

Ion Ratio Lower Upper

93 100

95 81.5 65.7 98.5

174 91.3 71.0 106.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

10000

5000

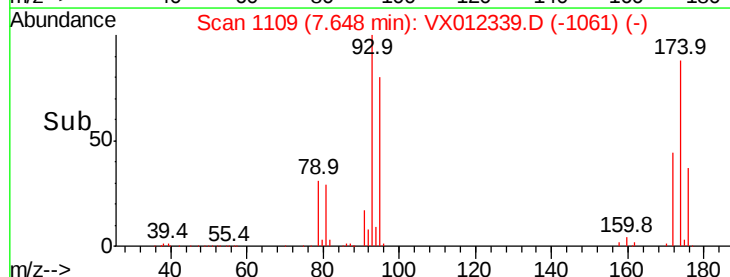
0

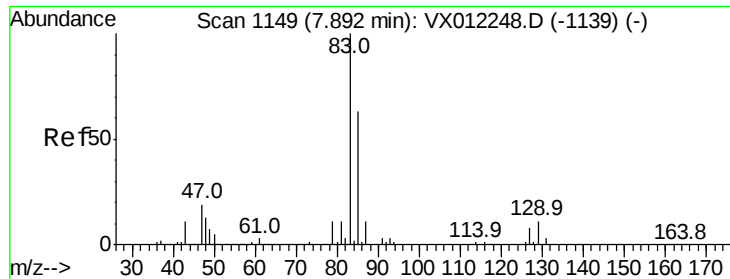
Time-->

7.60

7.70

7.80

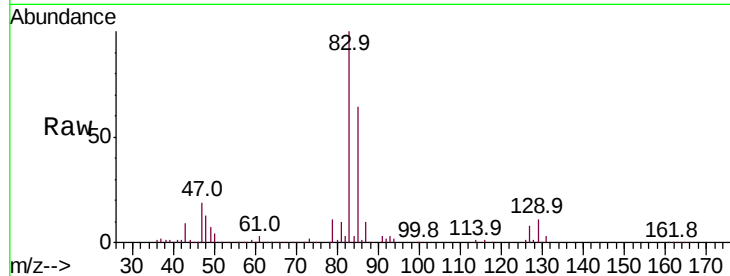




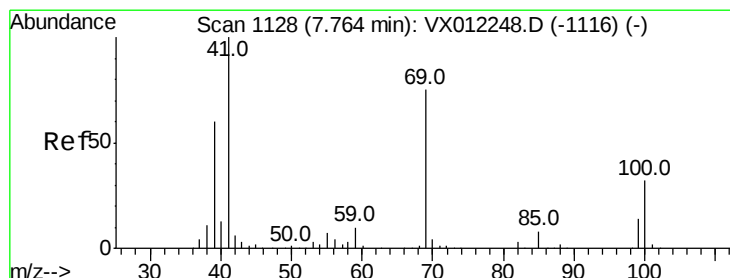
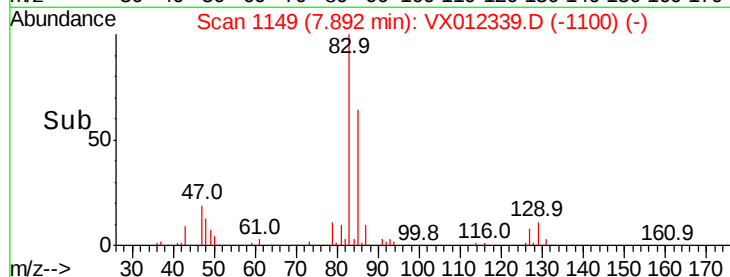
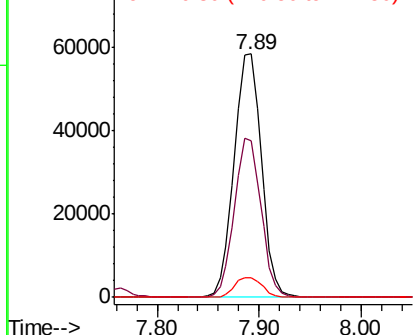
#47
Bromodichloromethane
Concen: 48.432 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 108298
Ion Ratio Lower Upper
83 100
85 64.2 50.2 75.4
127 8.3 6.3 9.5

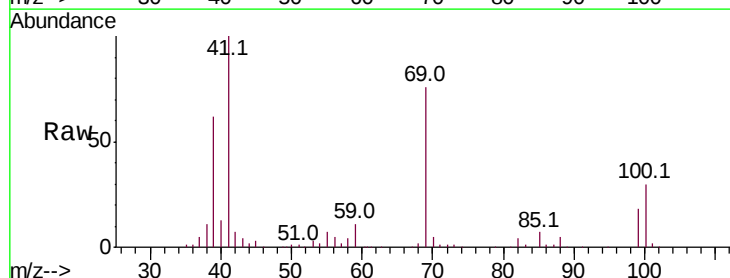


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

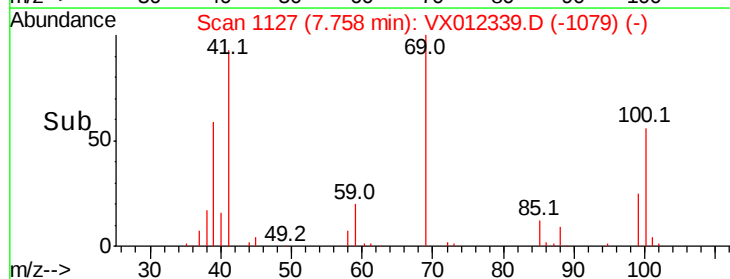
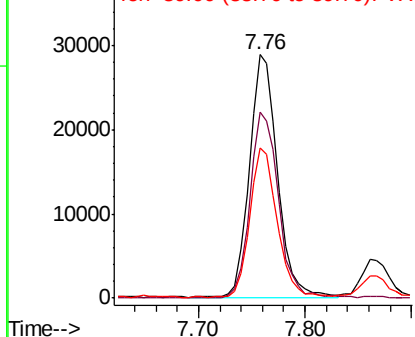


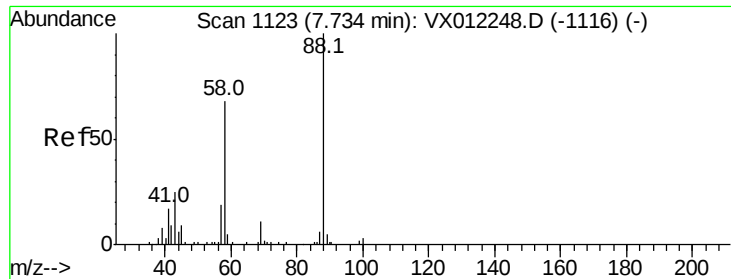
#48
Methyl methacrylate
Concen: 47.575 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 41 Resp: 53112
Ion Ratio Lower Upper
41 100
69 78.4 61.8 92.6
39 60.0 48.6 73.0



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

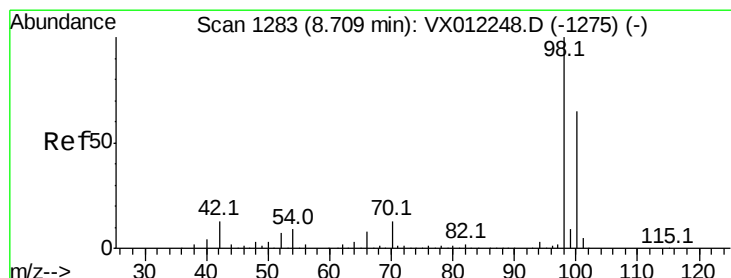
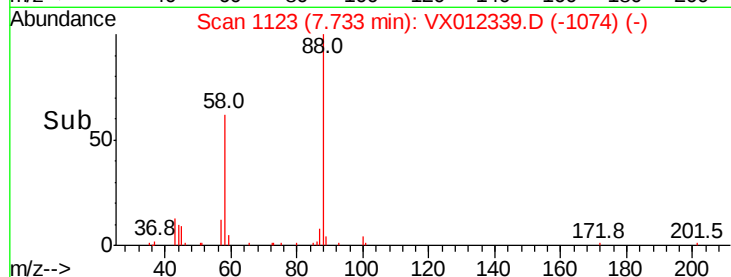
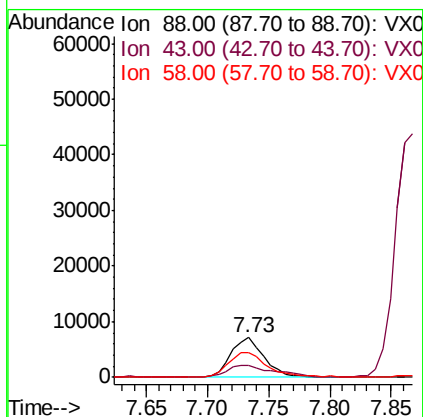
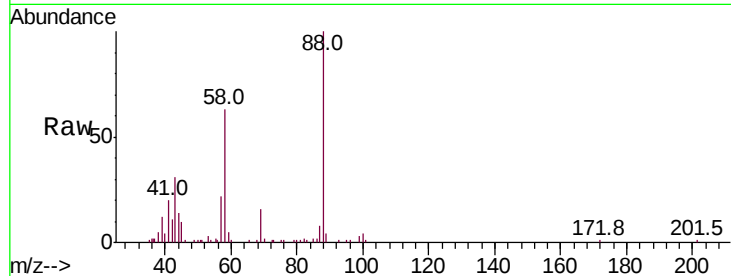




#49
1,4-Dioxane
Concen: 902.065 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

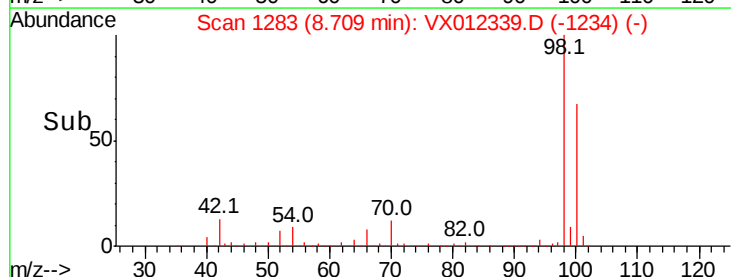
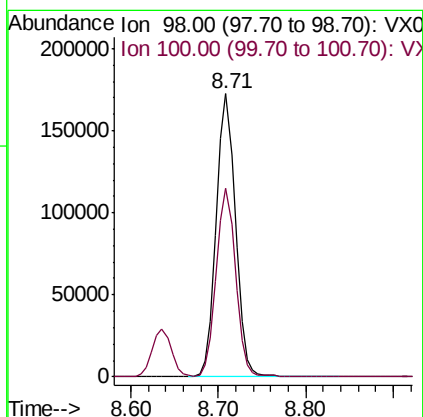
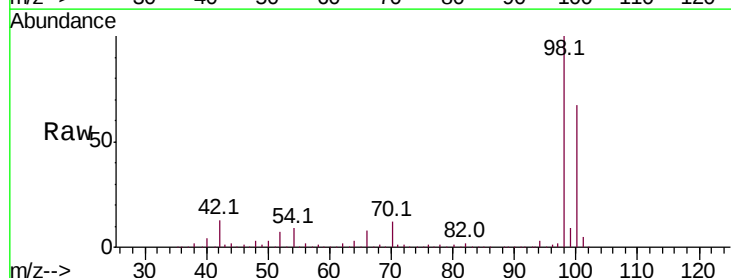
Instrument :
MSVOA_X
ClientSampleId :

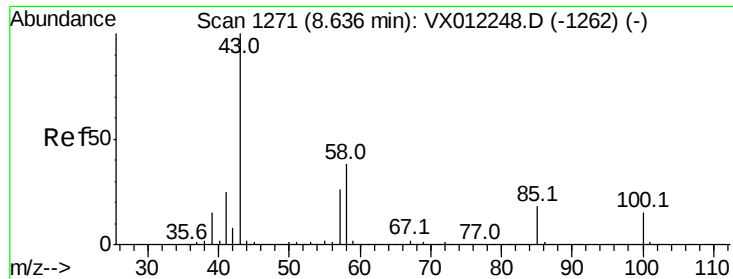
Tot Ion: 88 Resp: 13589
Ion Ratio Lower Upper
88 100
43 41.3 31.0 46.4
58 73.5 61.5 92.3



#50
Toluene-d8
Concen: 47.883 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 98 Resp: 264223
Ion Ratio Lower Upper
98 100
100 66.8 54.1 81.1





#51

4-Methyl-2-Pentanone

Concen: 236.593 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

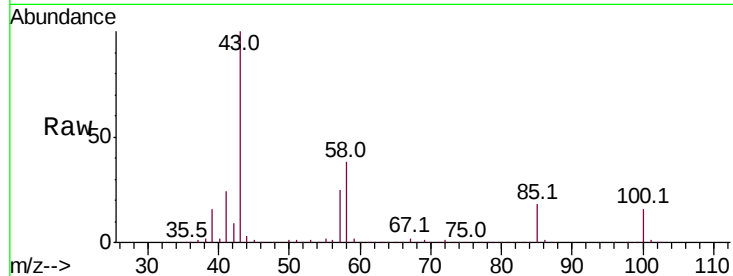
ClientSampleId :

Tot Ion: 43 Resp: 291234

Ion Ratio Lower Upper

43 100

58 37.6 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

150000

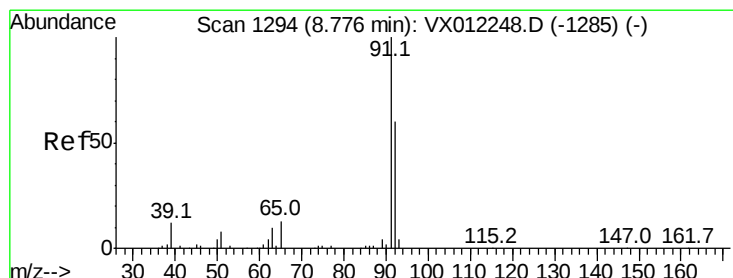
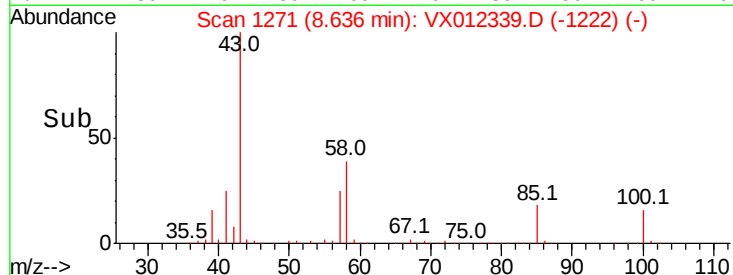
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 49.032 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012339.D

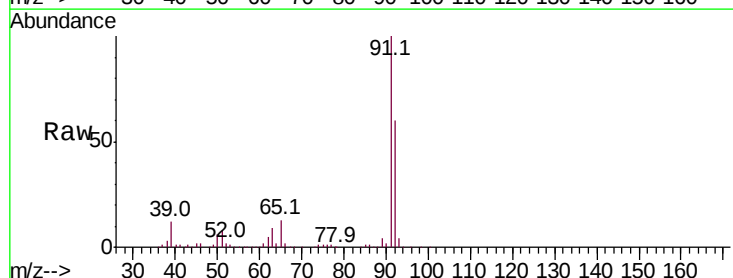
Acq: 12 Sep 2019 10:15

Tgt Ion: 92 Resp: 175414

Ion Ratio Lower Upper

92 100

91 167.4 133.6 200.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

200000

150000

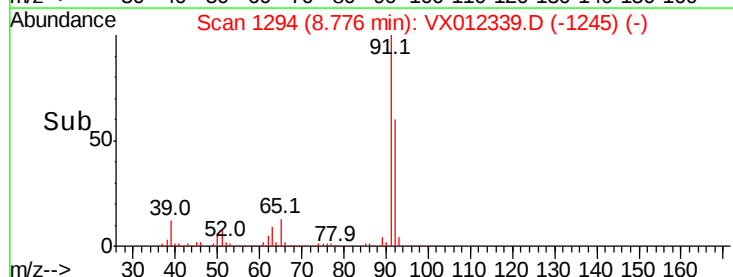
100000

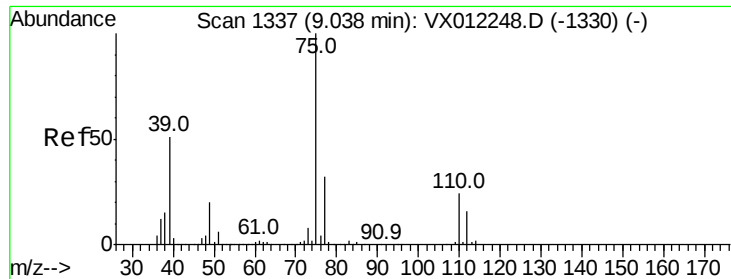
50000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.657 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

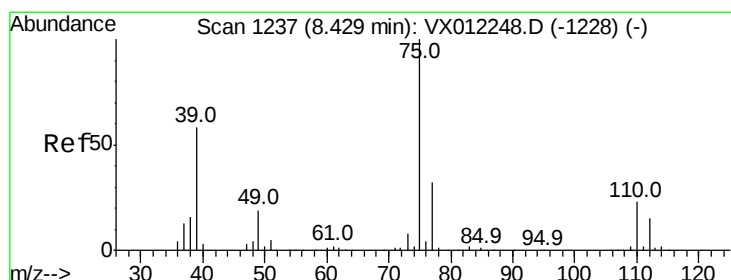
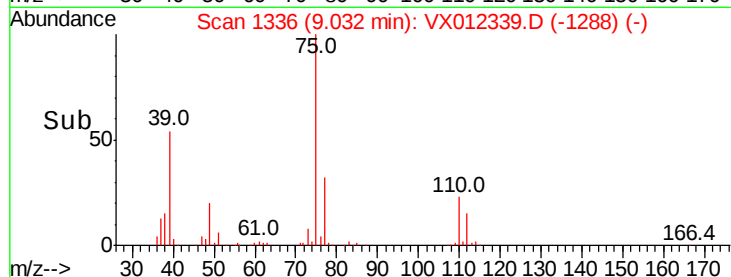
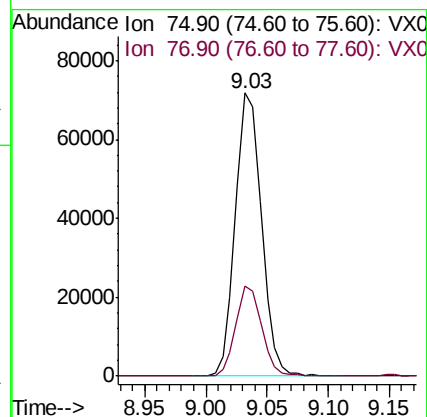
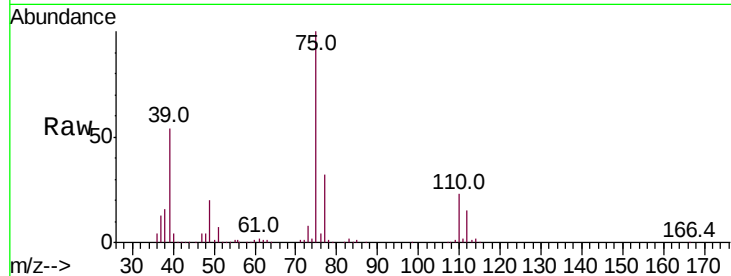
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 106362

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 48.351 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

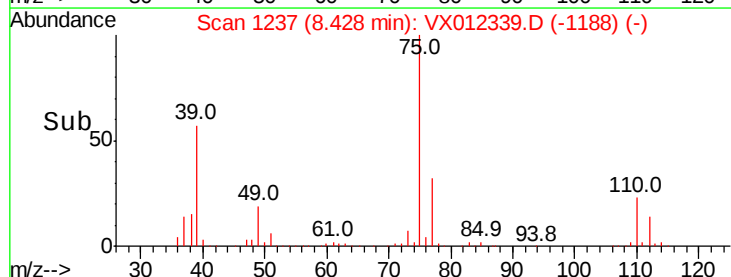
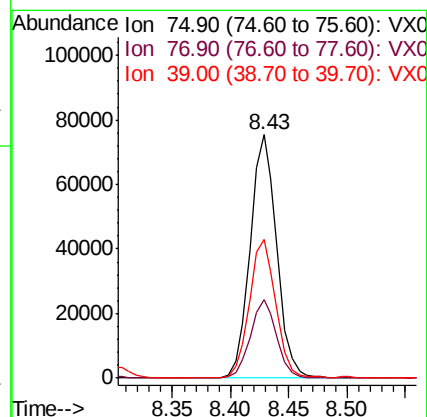
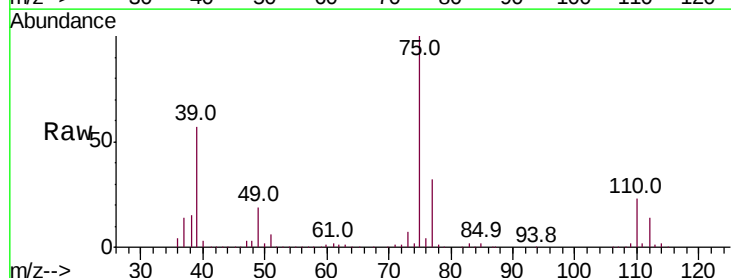
Tgt Ion: 75 Resp: 119660

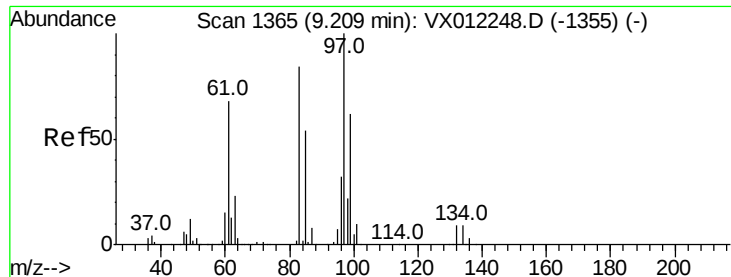
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2

39 56.4 46.5 69.7



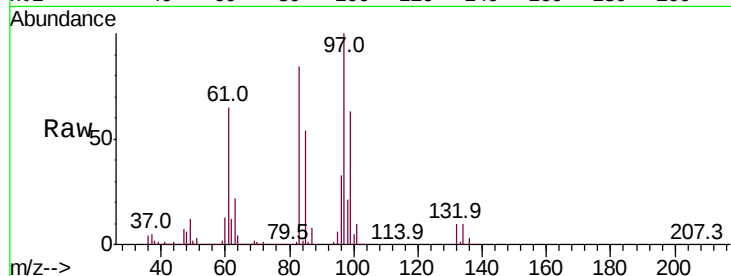


#55
 1,1,2-Trichloroethane
 Concen: 48.762 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 97 Resp: 61900

Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.4	101.2
85	53.9	43.4	65.2
99	63.4	49.8	74.6



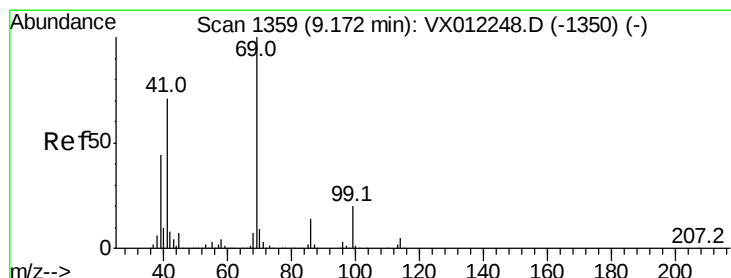
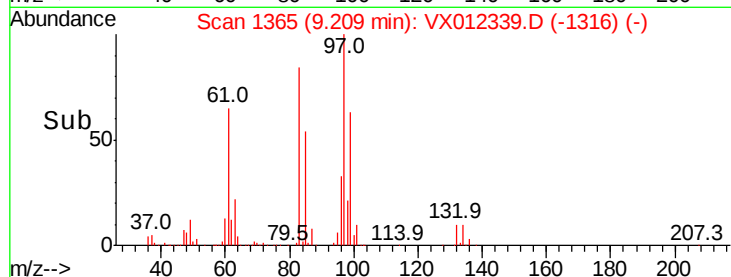
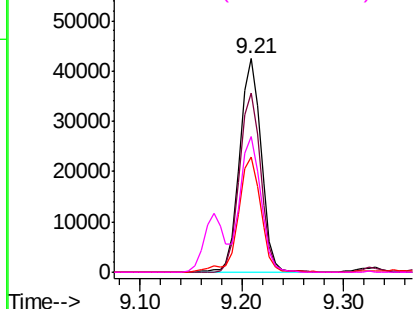
Abundance

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

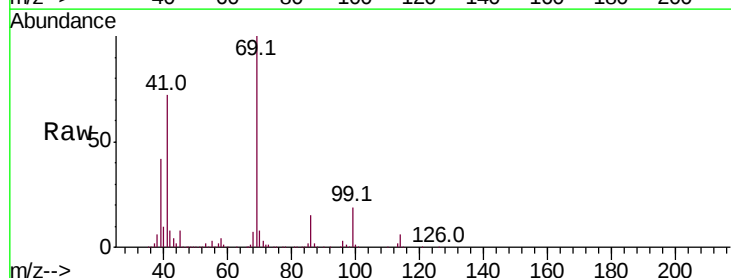
Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 48.341 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

Tgt Ion: 69 Resp: 83087

Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.7	86.5
39	41.5	34.0	51.0

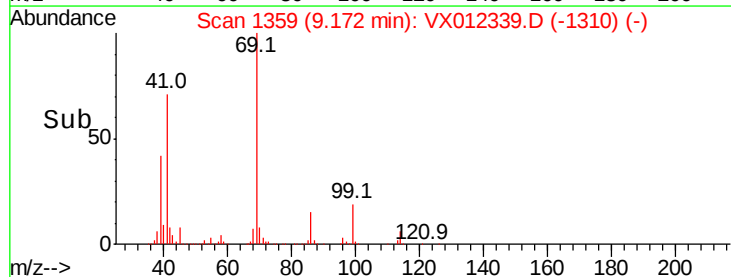
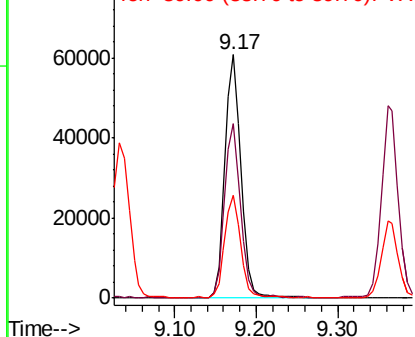


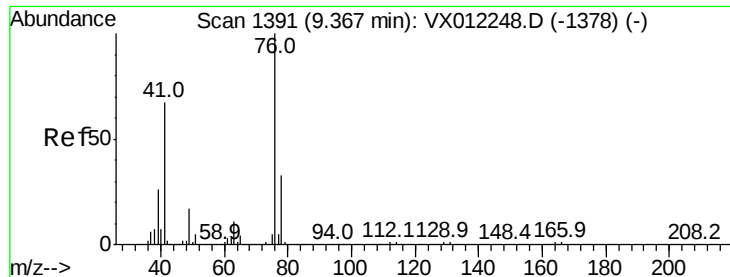
Abundance

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: 49.097 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

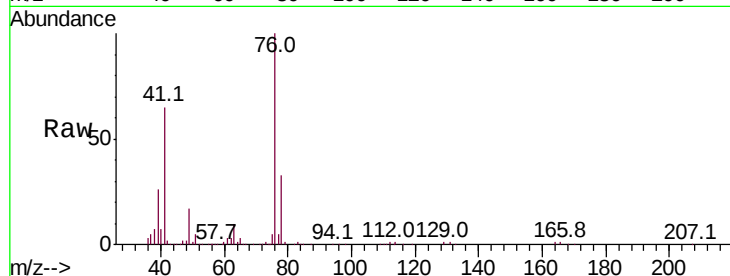
ClientSampleId :

Tot Ion: 76 Resp: 106448

Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

80000

60000

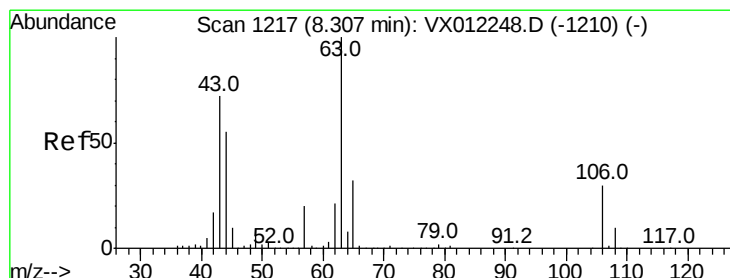
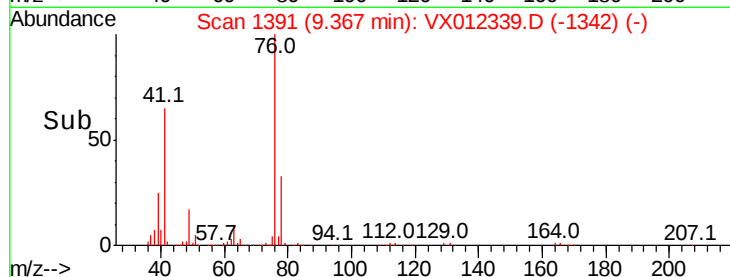
40000

20000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 233.996 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX012339.D

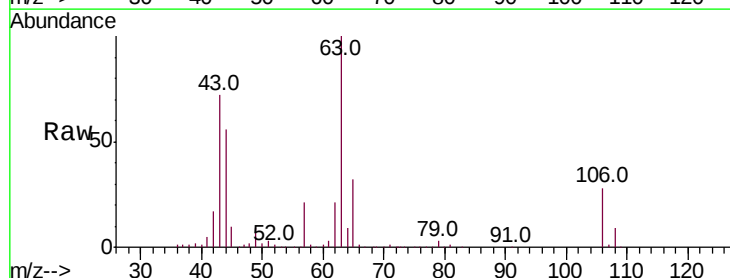
Acq: 12 Sep 2019 10:15

Tgt Ion: 63 Resp: 206133

Ion Ratio Lower Upper

63 100

106 29.8 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

150000

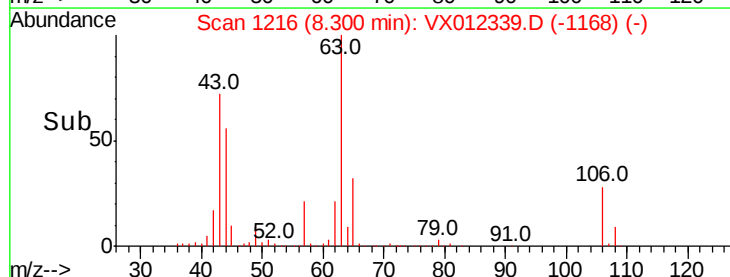
100000

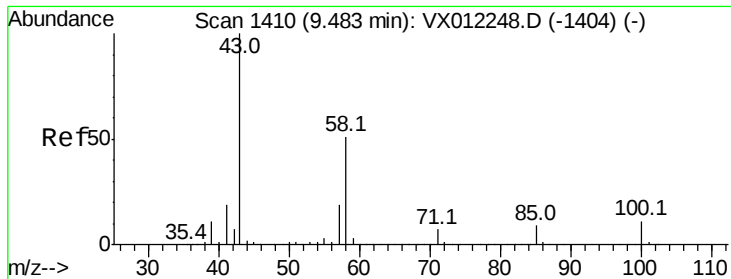
50000

0

8.20 8.30 8.40

Time-->





#59

2-Hexanone

Concen: 255.128 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

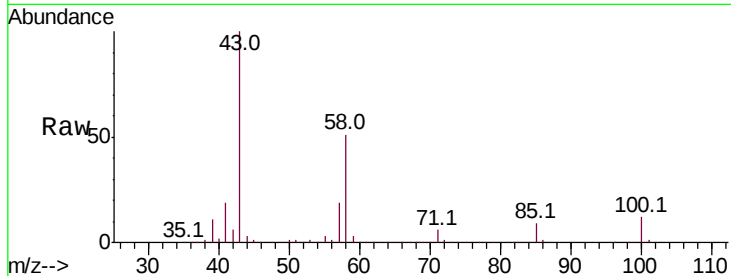
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 218361

Ion Ratio Lower Upper

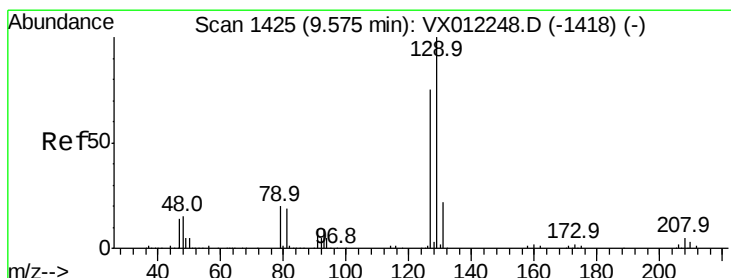
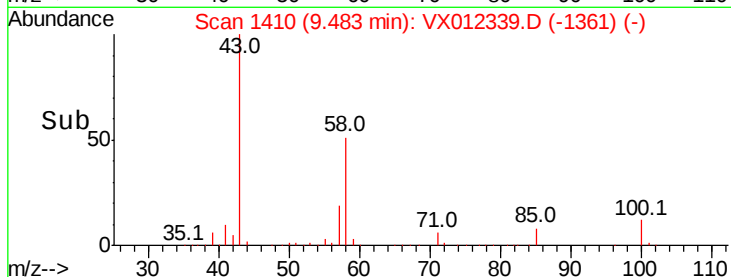
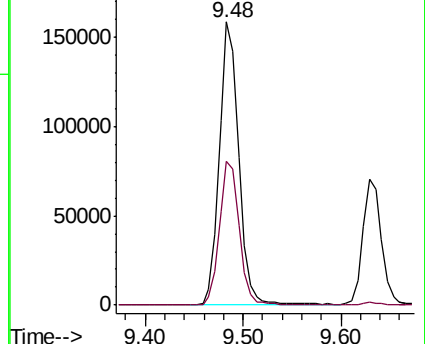
43 100

58 52.1 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VX012248.D (-1404) (-)

Ion 58.00 (57.70 to 58.70): VX012248.D (-1404) (-)



#60

Dibromochloromethane

Concen: 49.090 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX012339.D

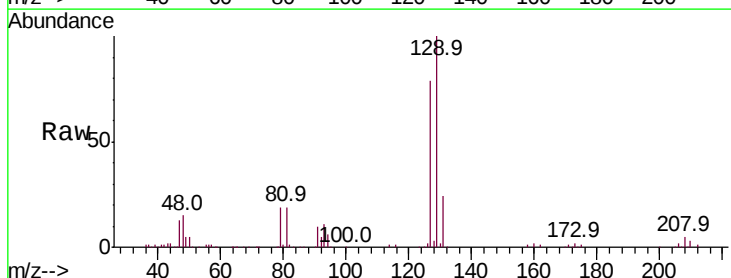
Acq: 12 Sep 2019 10:15

Tgt Ion:129 Resp: 72749

Ion Ratio Lower Upper

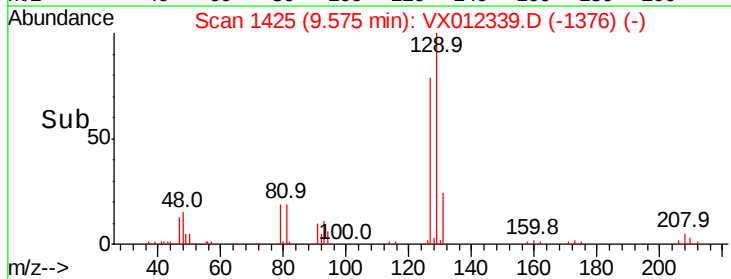
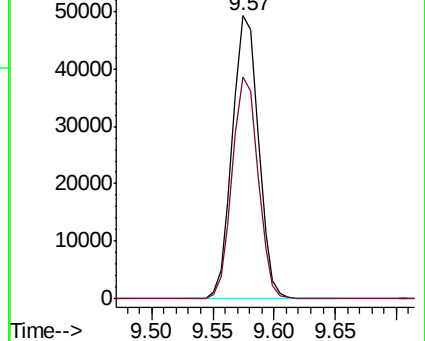
129 100

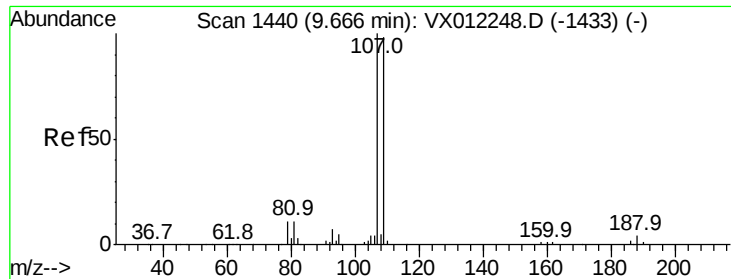
127 77.6 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): VX012248.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX012248.D (-1418) (-)





#61

1,2-Dibromoethane

Concen: 49.048 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

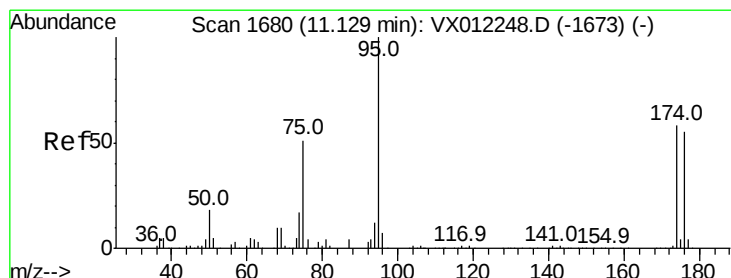
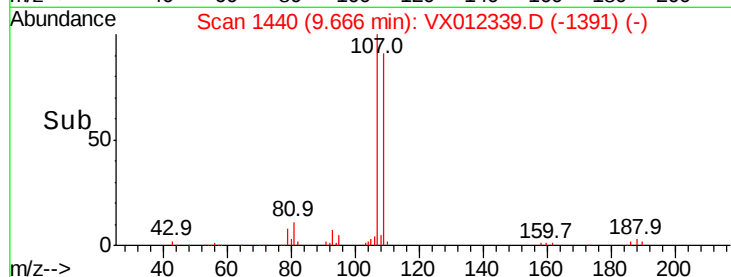
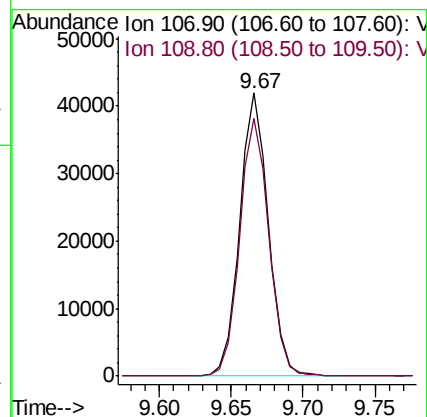
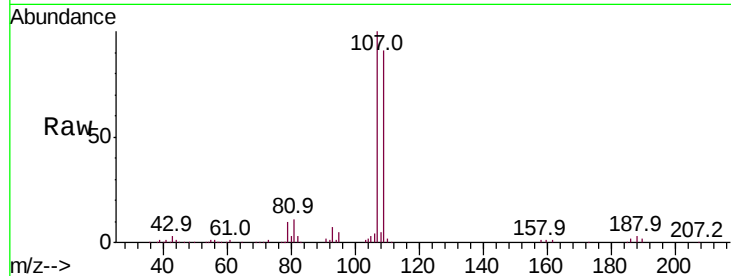
ClientSampleId :

Tot Ion:107 Resp: 57958

Ion Ratio Lower Upper

107 100

109 92.7 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 43.349 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

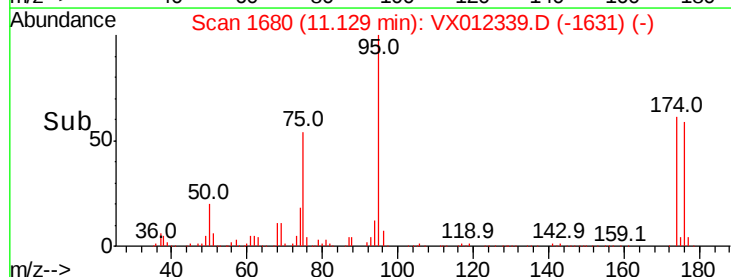
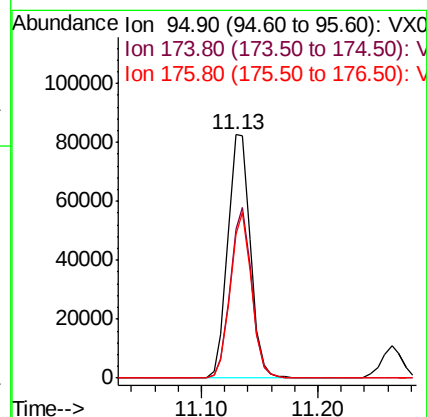
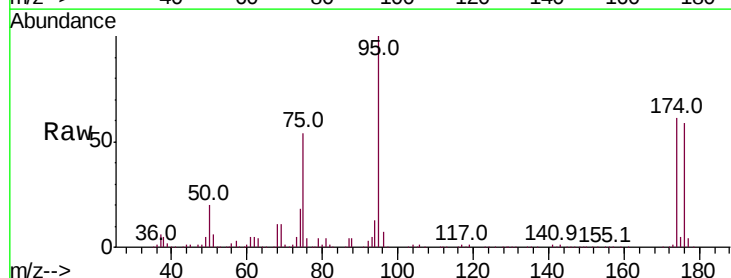
Tgt Ion: 95 Resp: 110897

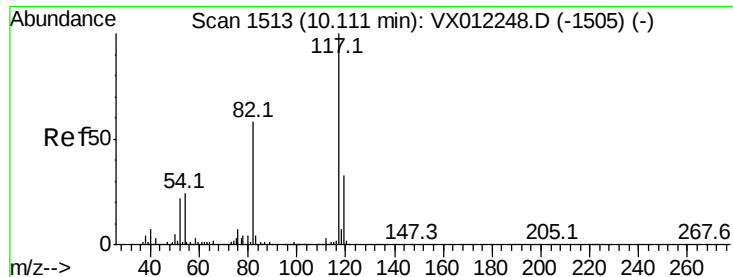
Ion Ratio Lower Upper

95 100

174 66.5 0.0 127.0

176 64.2 0.0 125.8

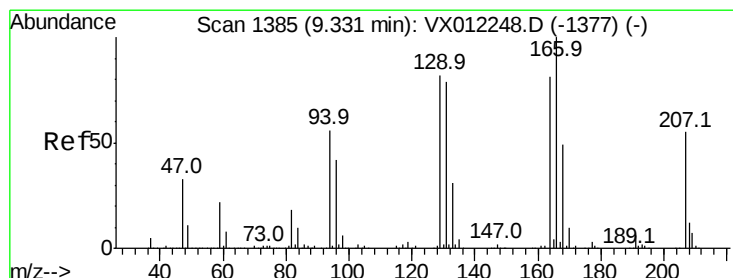
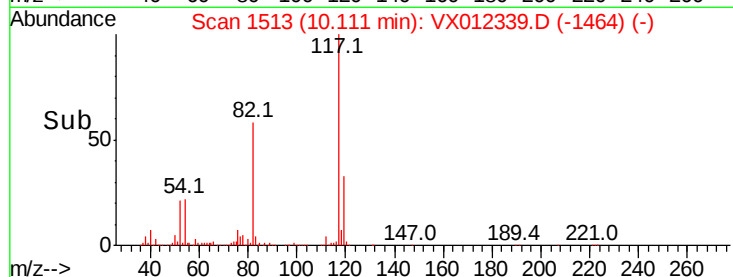
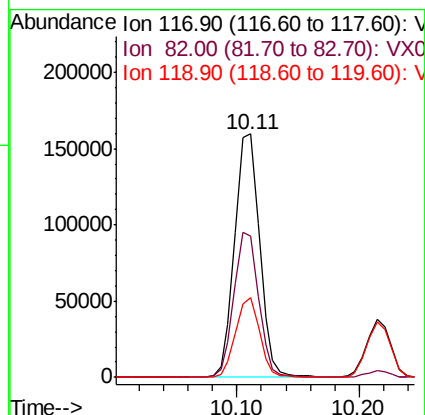
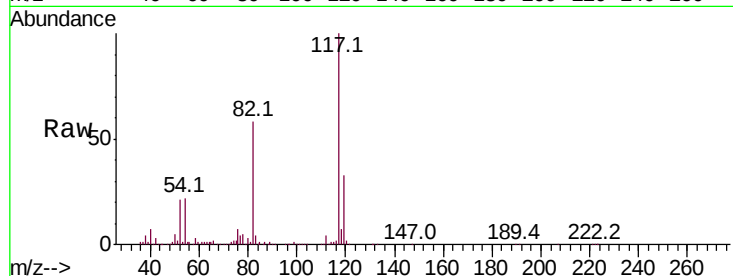




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

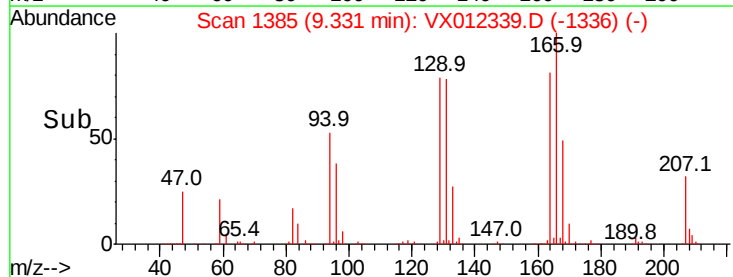
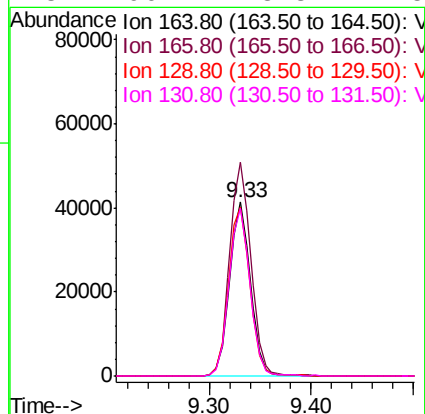
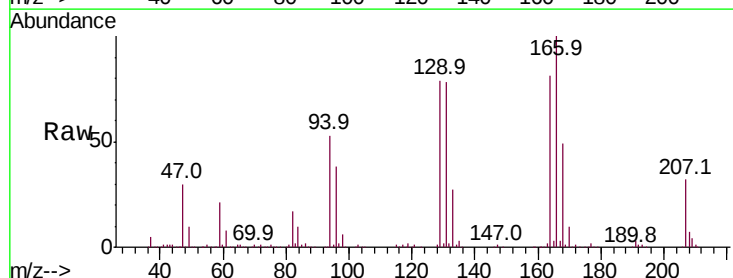
Instrument :
MSVOA_X
ClientSampleId :

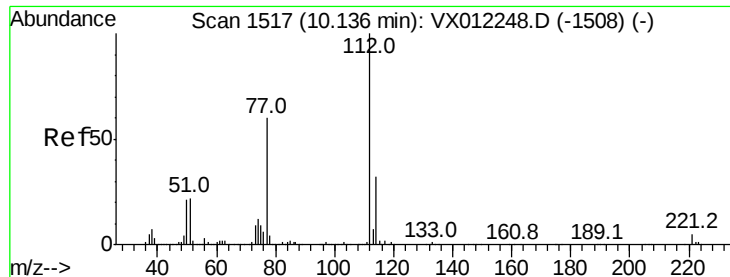
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.4	69.6
119	32.6	26.6	39.8



#64
Tetrachloroethene
Concen: 48.710 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	99.4	149.0
129	97.5	81.8	122.8
131	96.4	78.3	117.5





#65

Chlorobenzene

Concen: 48.417 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

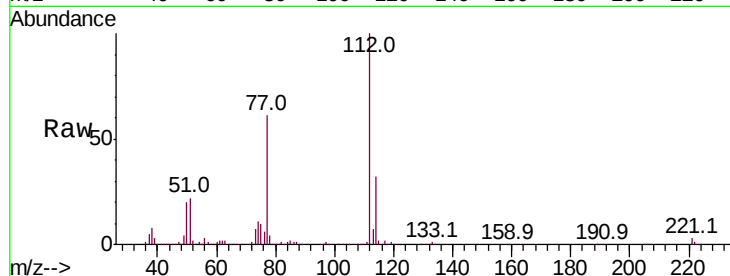
ClientSampleId :

Tot Ion:112 Resp: 199468

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

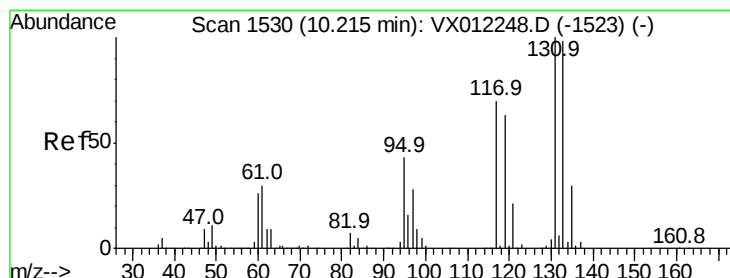
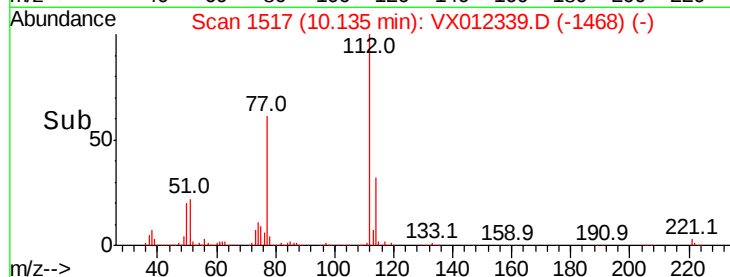
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.731 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

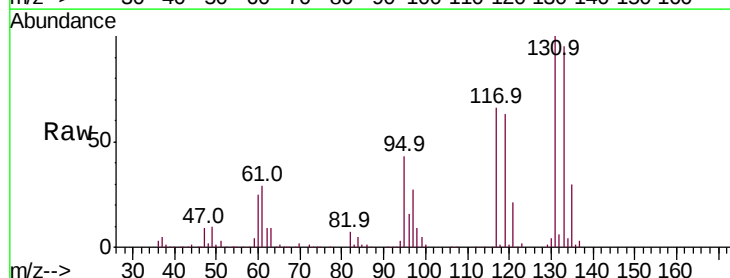
Tgt Ion:131 Resp: 77234

Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.2

119 63.6 31.6 95.0



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

10.21

80000

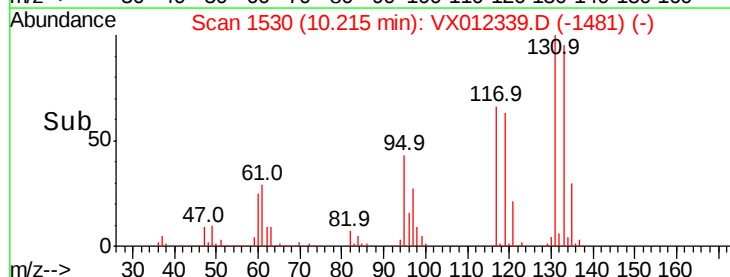
60000

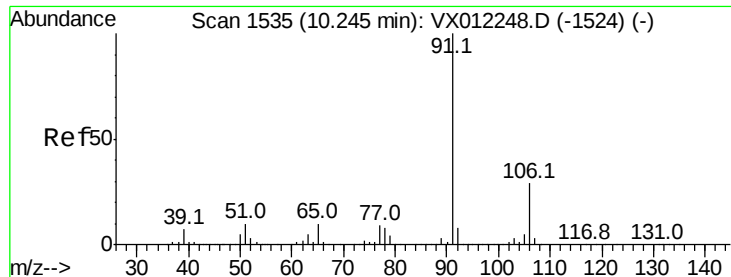
40000

20000

0

Time-->

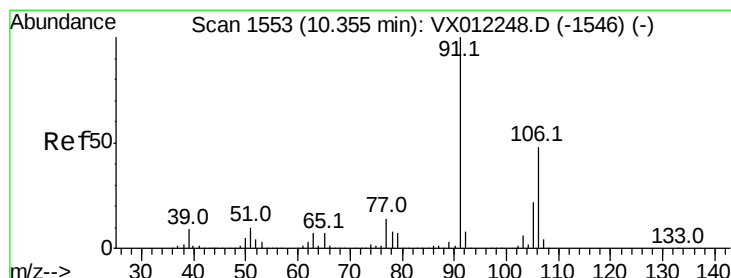
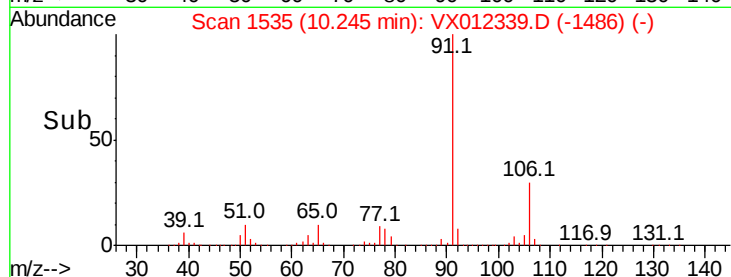
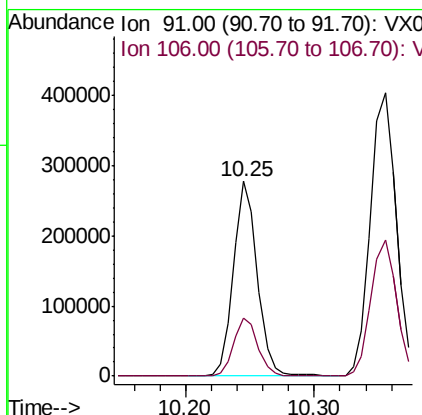
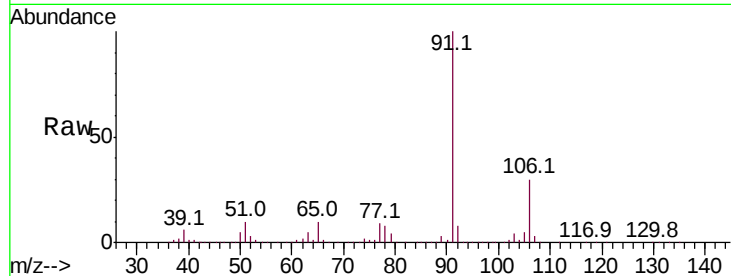




#67
Ethyl Benzene
Concen: 49.133 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

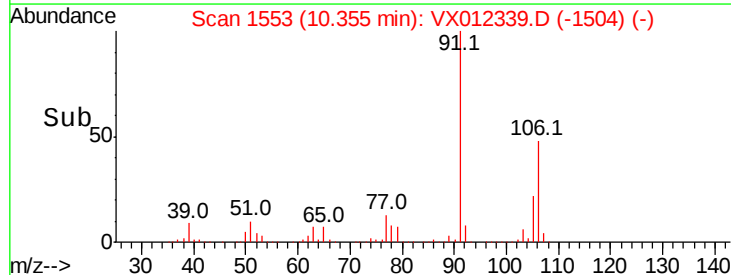
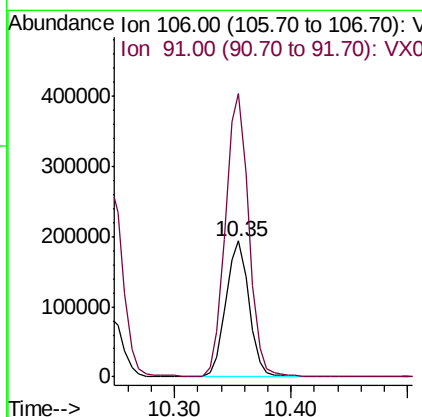
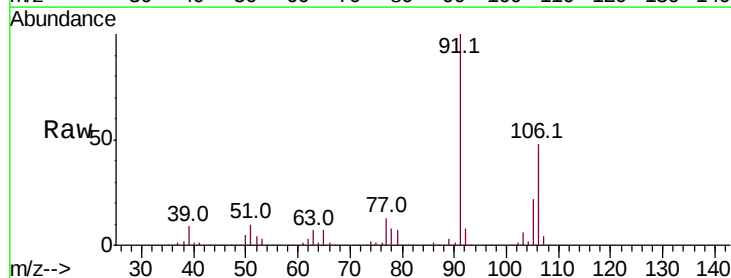
Instrument :
MSVOA_X
ClientSampled :

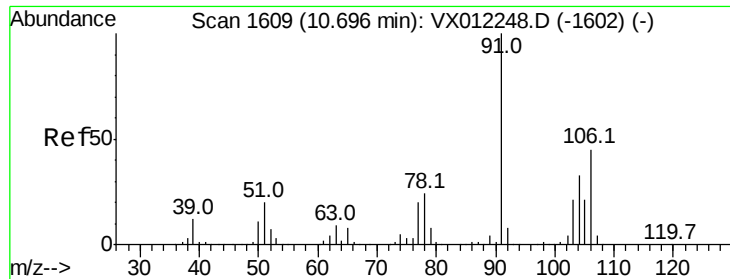
Tot Ion: 91 Resp: 360018
Ion Ratio Lower Upper
91 100
106 30.1 23.1 34.7



#68
m/p-Xylenes
Concen: 99.566 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion:106 Resp: 268558
Ion Ratio Lower Upper
106 100
91 208.9 167.0 250.6

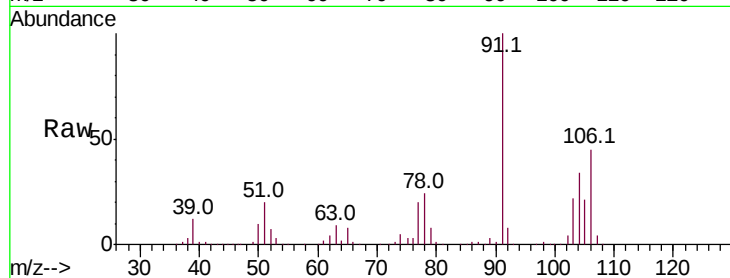




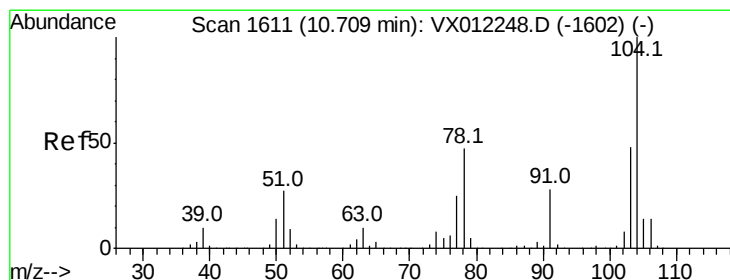
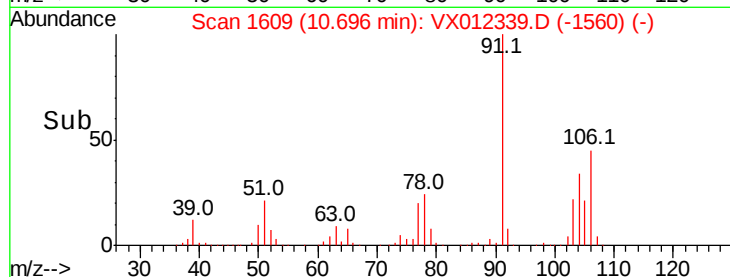
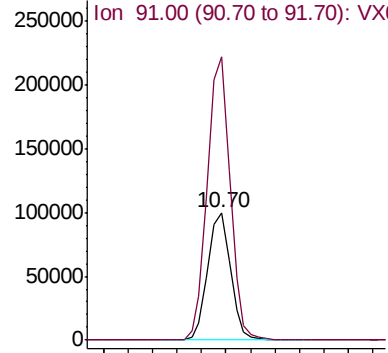
#69
o-Xylene
Concen: 48.865 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 129116
Ion Ratio Lower Upper
106 100
91 221.8 110.5 331.4

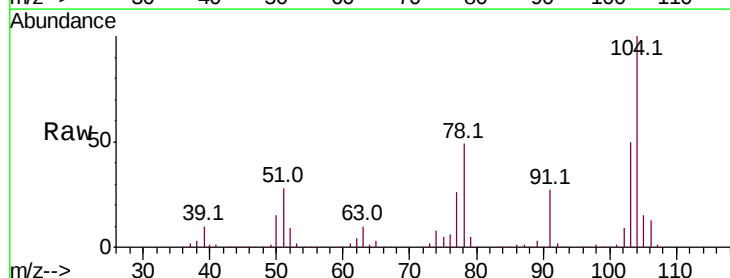


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

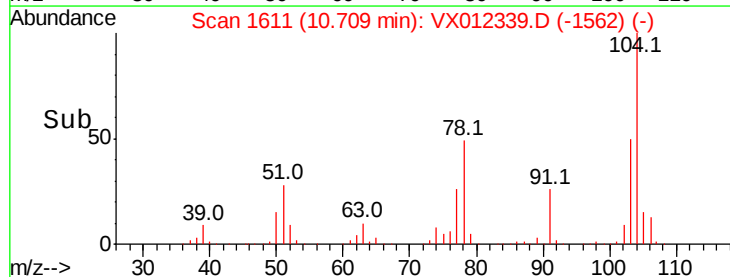
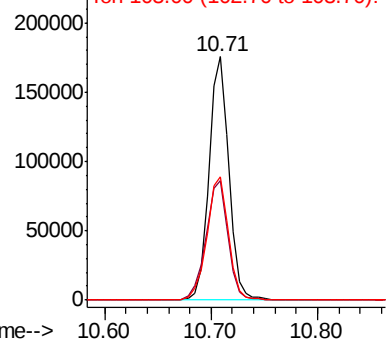


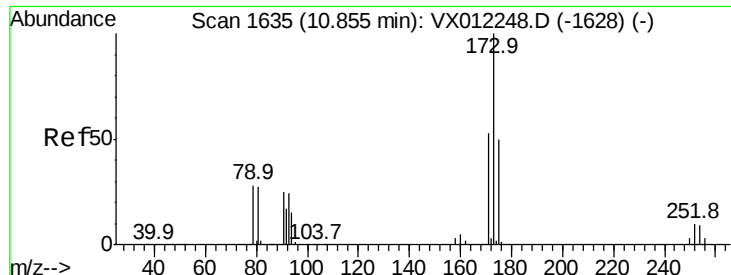
#70
Styrene
Concen: 49.027 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion:104 Resp: 229746
Ion Ratio Lower Upper
104 100
78 54.9 44.2 66.2
103 54.9 42.5 63.7



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

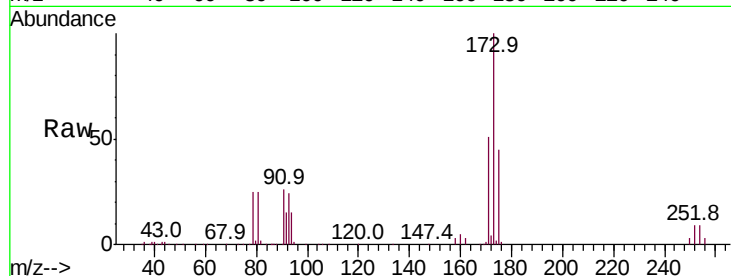




#71
Bromoform
Concen: 47.639 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.0	0.2	0.4

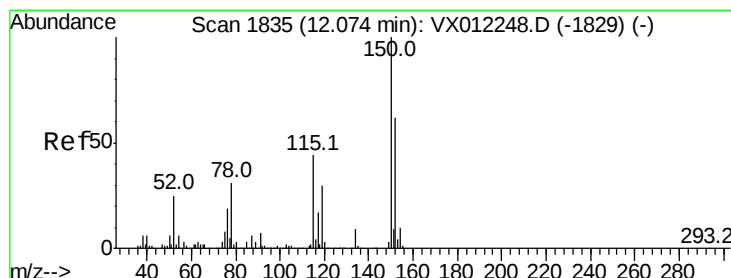
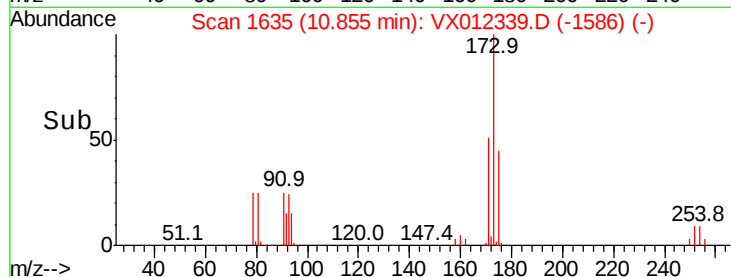
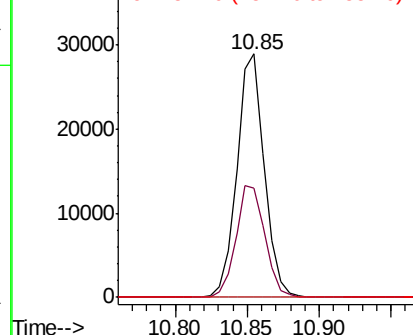


Abundance

Ion 172.70 (172.40 to 173.40): V

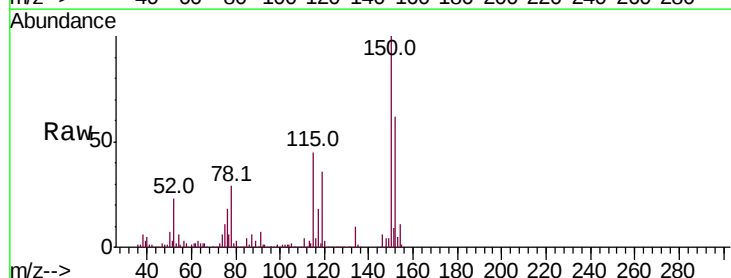
Ion 174.70 (174.40 to 175.40): V

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: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	89.9	45.5	136.4
150	170.9	0.0	346.4

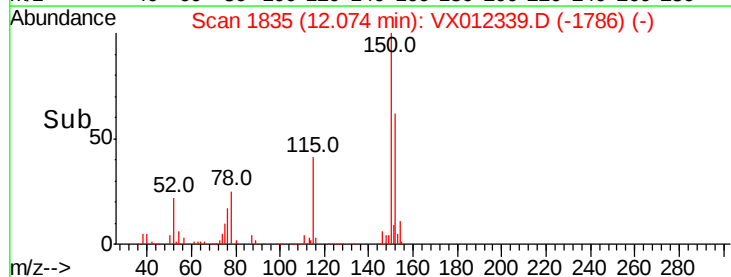
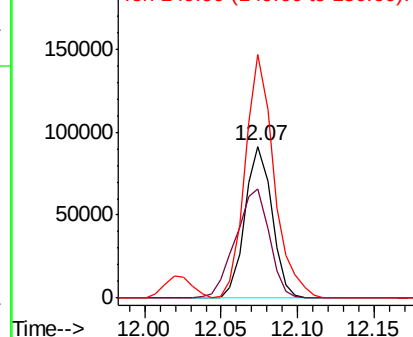


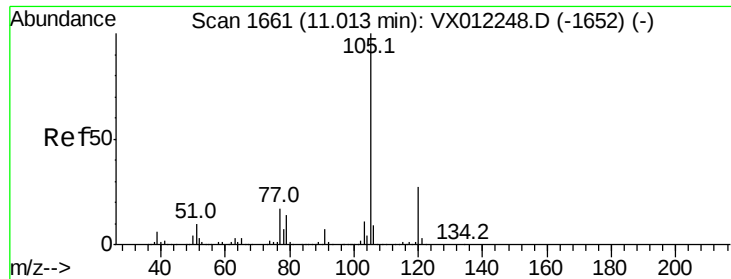
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.780 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

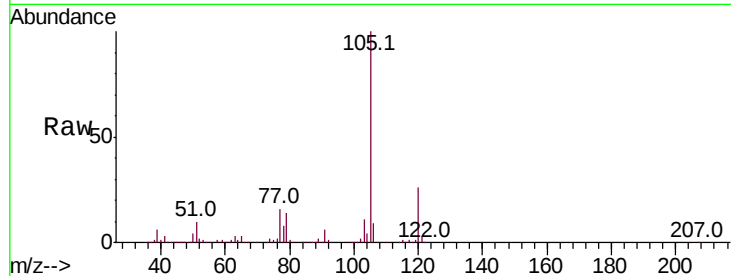
ClientSampleId :

Tot Ion:105 Resp: 359959

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

100000

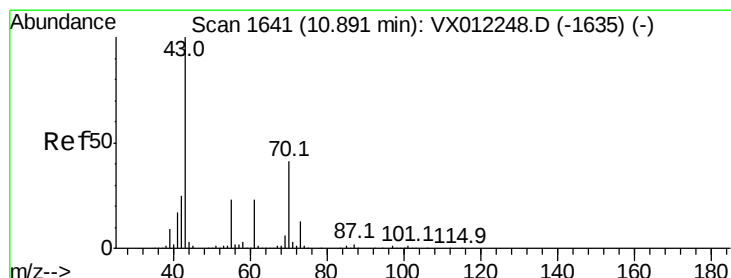
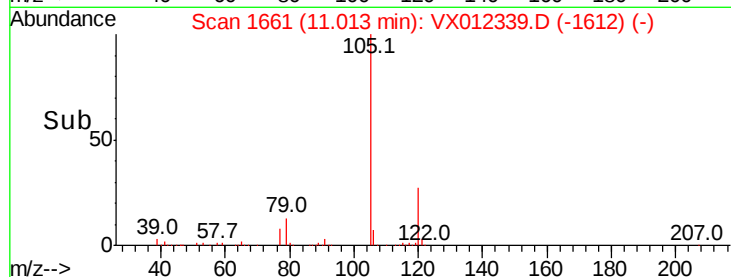
0

11.01

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 46.013 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Tgt Ion: 43 Resp: 100958

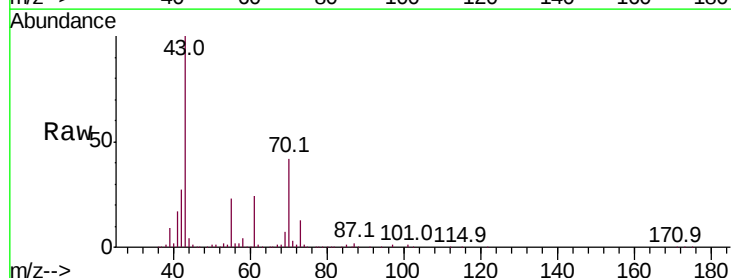
Ion Ratio Lower Upper

43 100

70 41.7 32.9 49.3

55 23.9 19.1 28.7

61 23.6 18.6 28.0



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

120000

100000

80000

60000

40000

20000

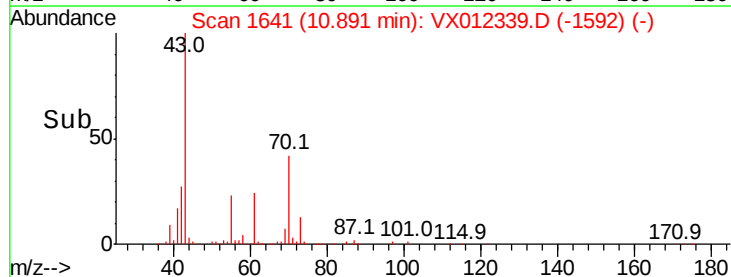
0

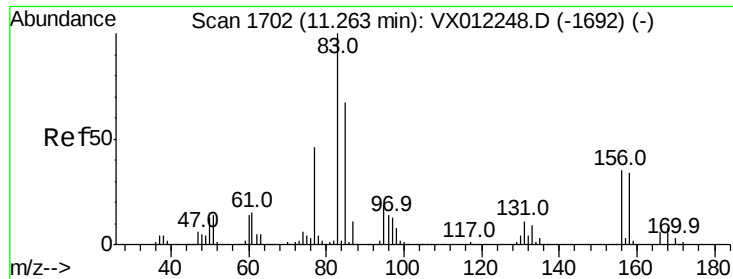
10.89

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.502 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

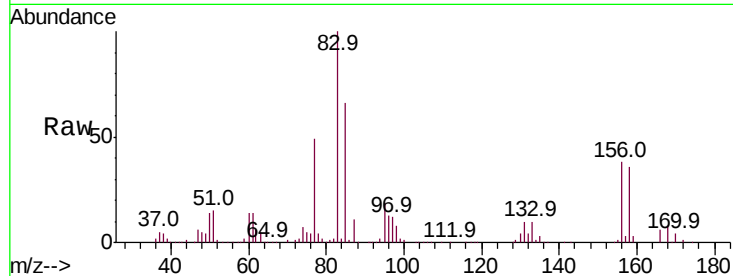
Tot Ion: 83 Resp: 76867

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

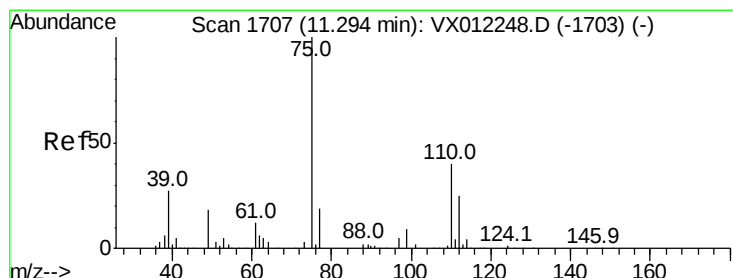
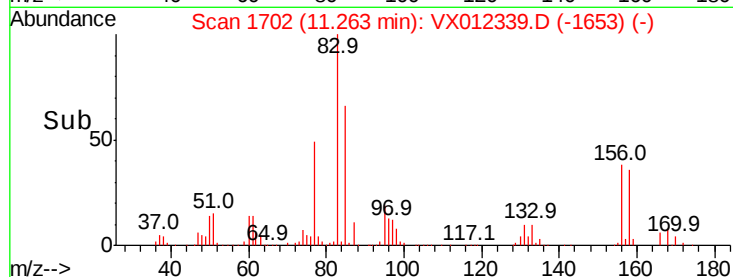
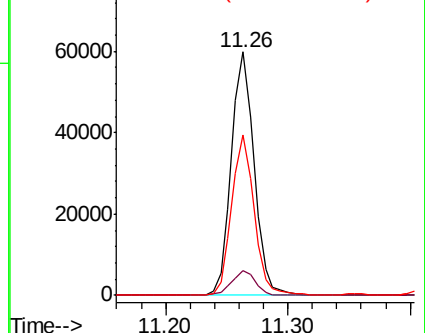
85 65.2 32.8 98.4



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: 56.667 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012339.D

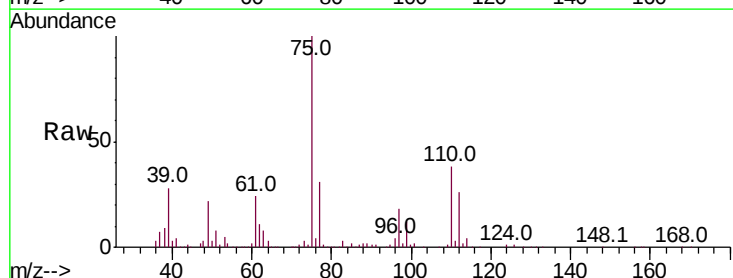
Acq: 12 Sep 2019 10:15

Tgt Ion: 75 Resp: 81599

Ion Ratio Lower Upper

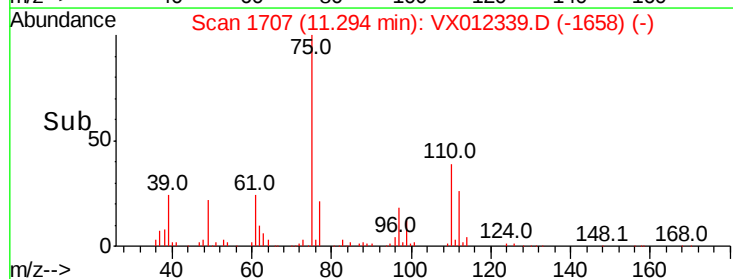
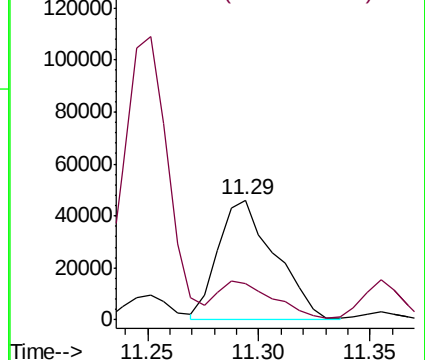
75 100

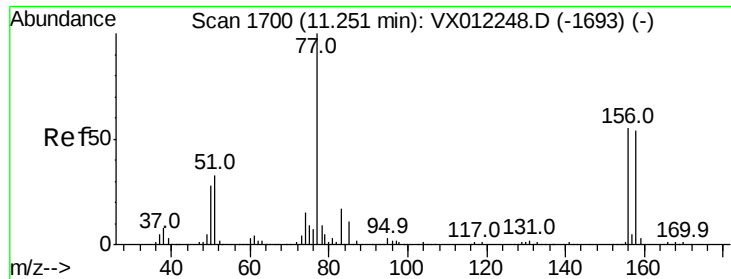
77 32.0 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

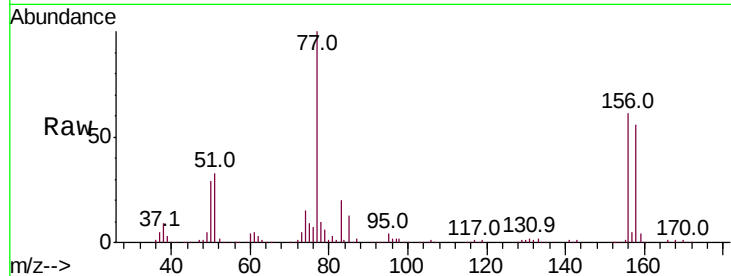




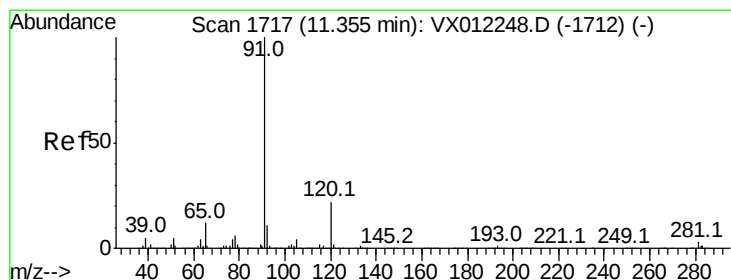
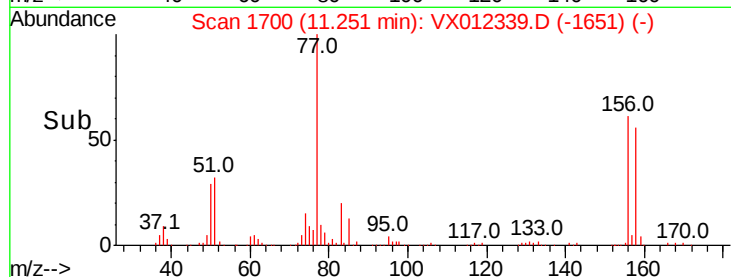
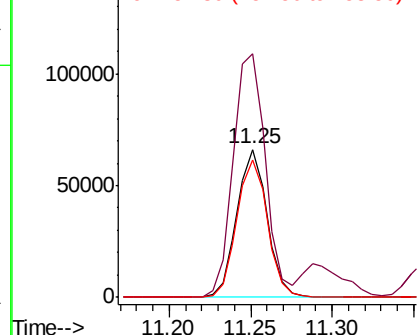
#77
Bromobenzene
Concen: 50.317 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:156 Resp: 85487
Ion Ratio Lower Upper
156 100
77 175.6 92.2 276.6
158 94.7 48.8 146.3

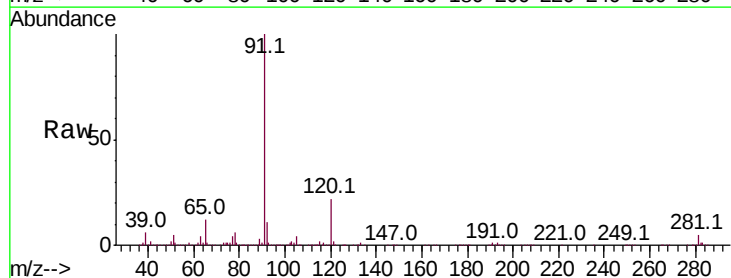


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V

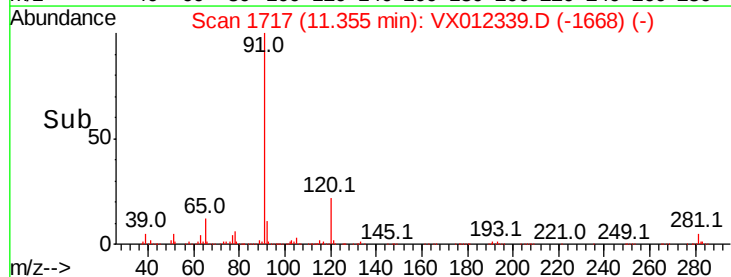
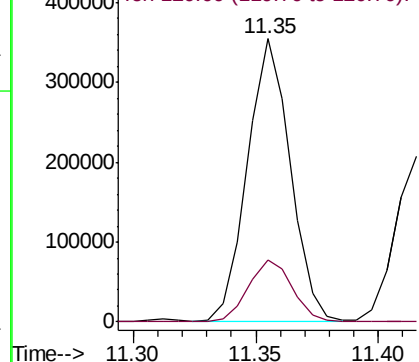


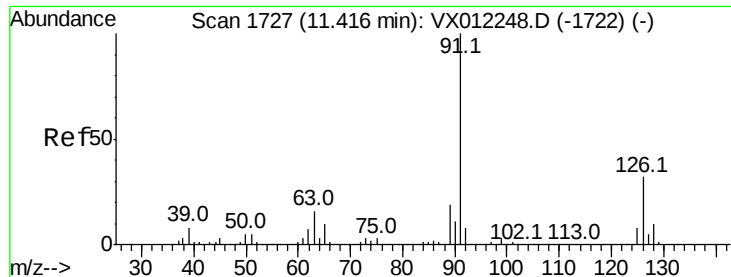
#78
n-propylbenzene
Concen: 48.457 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 91 Resp: 431809
Ion Ratio Lower Upper
91 100
120 22.5 11.2 33.6



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

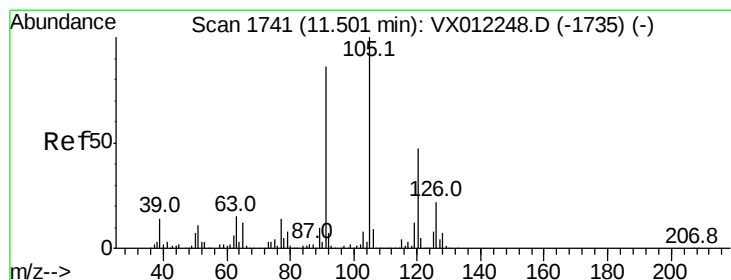
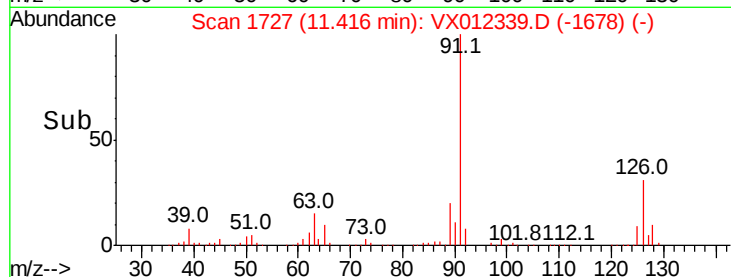
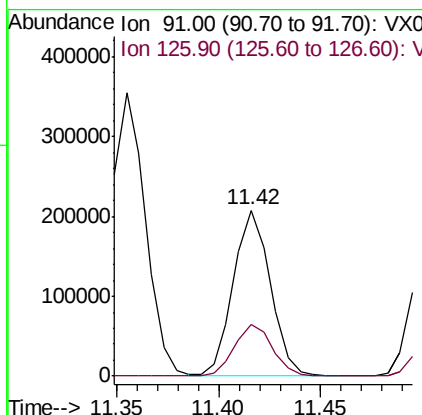
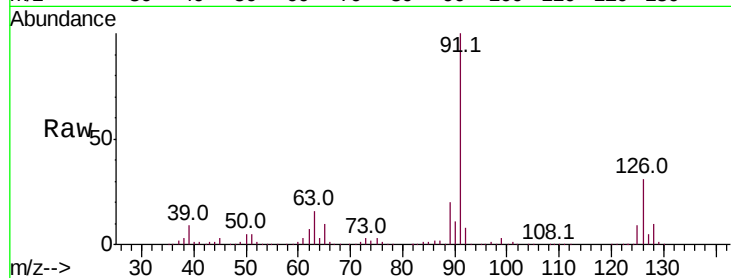




#79
 2-Chlorotoluene
 Concen: 47.377 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

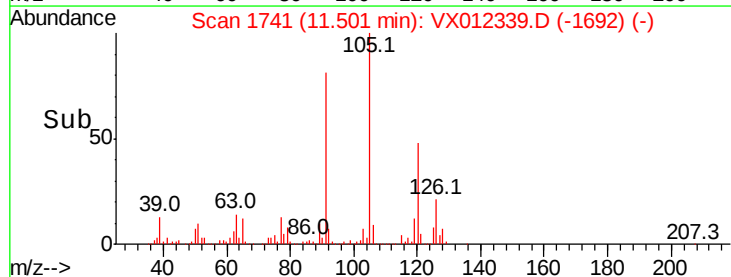
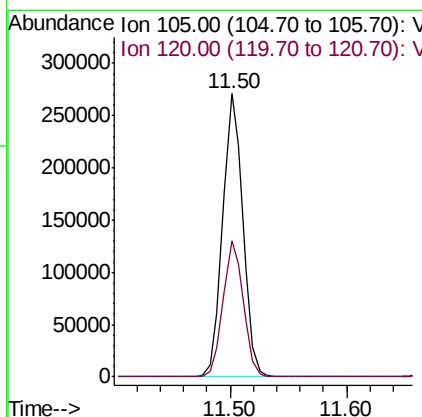
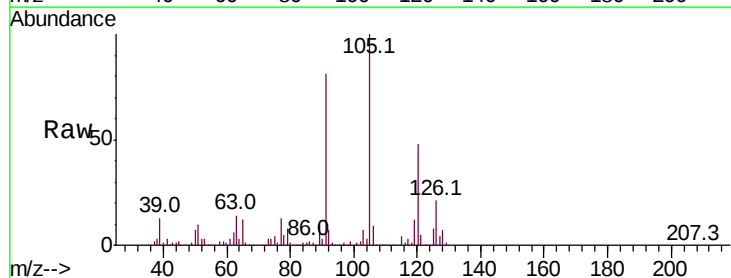
Instrument :
 MSVOA_X
 ClientSampleId :

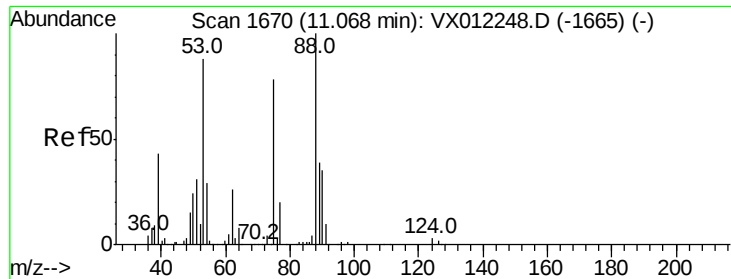
Tot Ion: 91 Resp: 261568
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 48.596 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

Tgt Ion:105 Resp: 322488
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 45.059 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

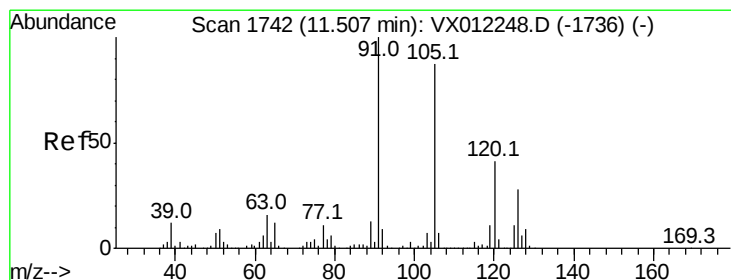
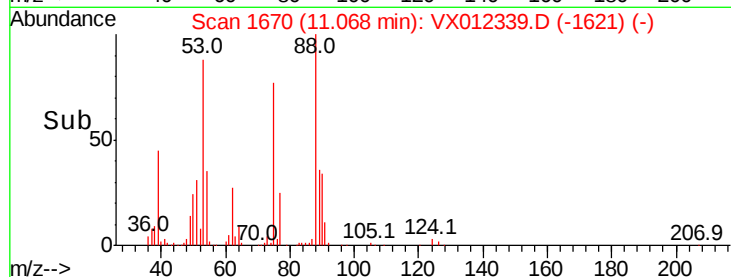
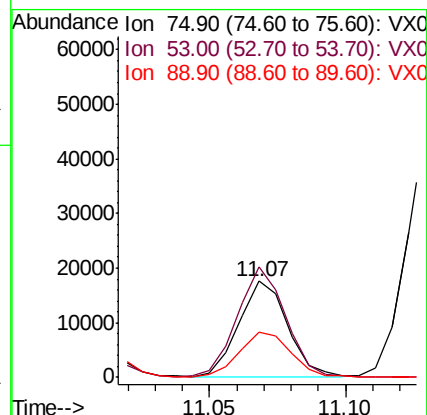
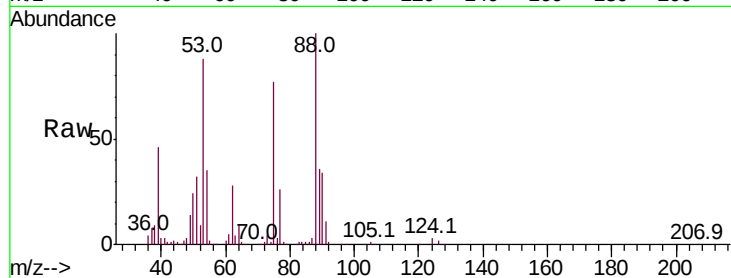
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 75 Resp: 21655

Ion	Ratio	Lower	Upper
75	100		
53	114.5	88.1	132.1
89	50.2	43.5	65.3



#82

4-Chlorotoluene

Concen: 48.348 ug/l

RT: 11.51 min Scan# 1742

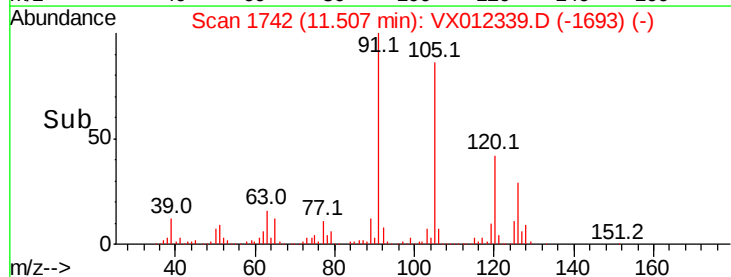
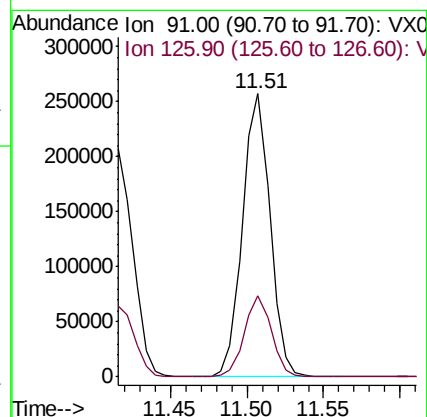
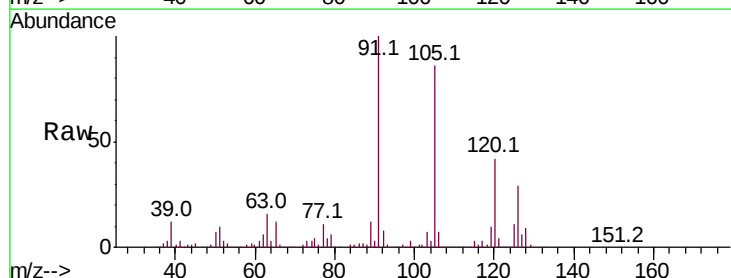
Delta R.T. -0.00 min

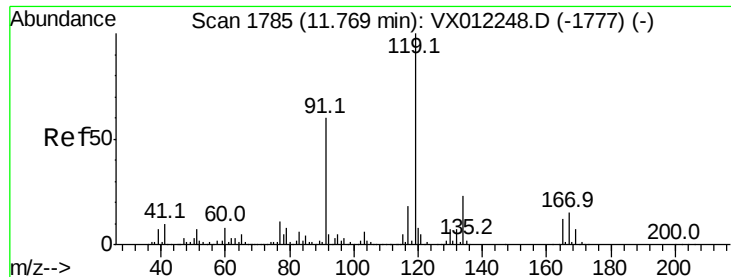
Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Tgt Ion: 91 Resp: 320789

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.0	42.0

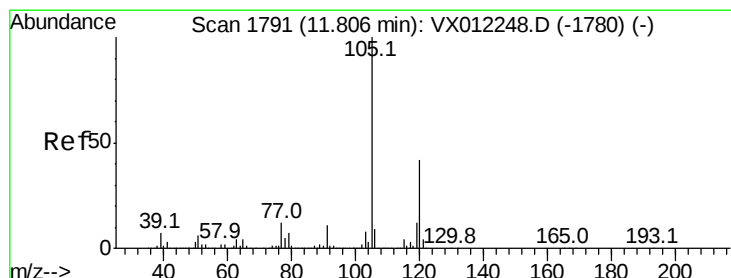
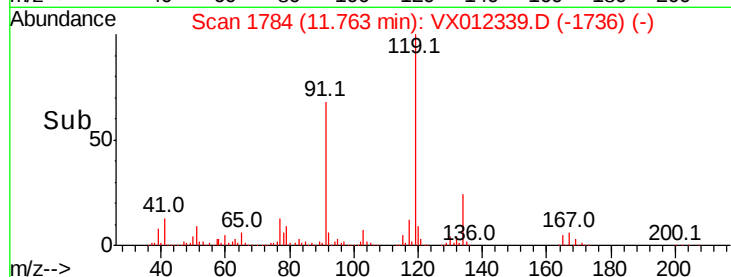
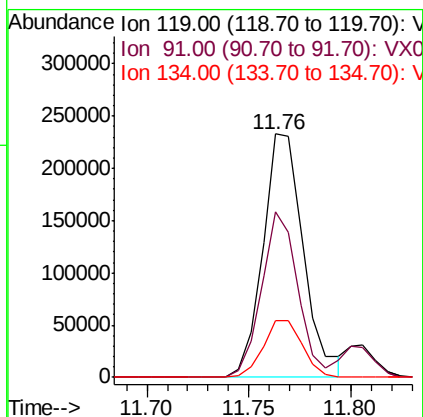
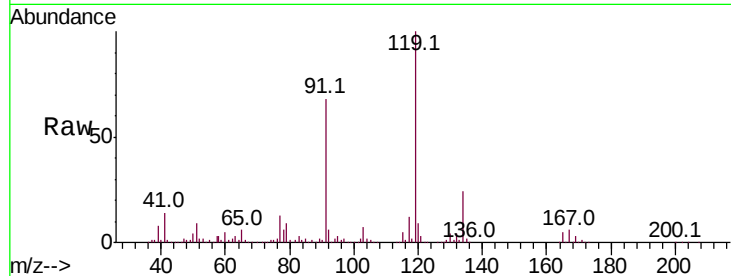




#83
tert-Butylbenzene
Concen: 50.024 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

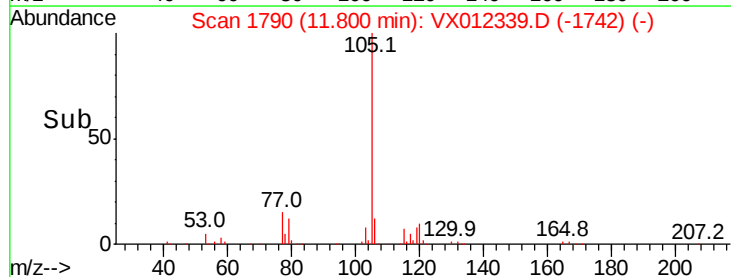
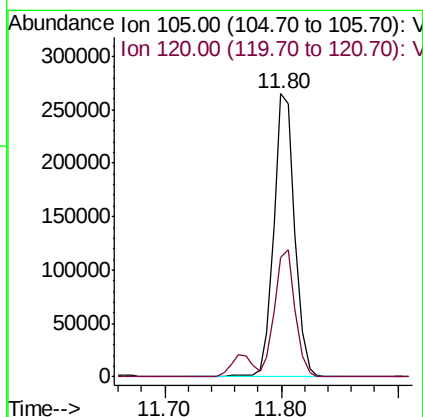
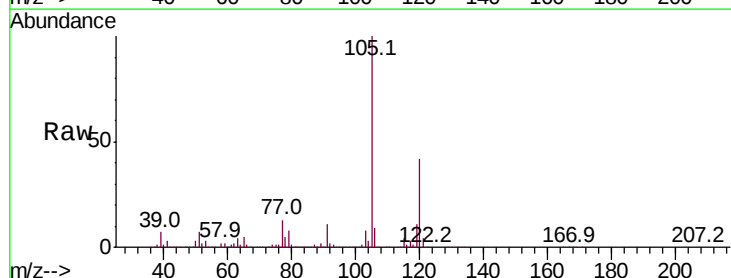
Instrument :
MSVOA_X
ClientSampled :

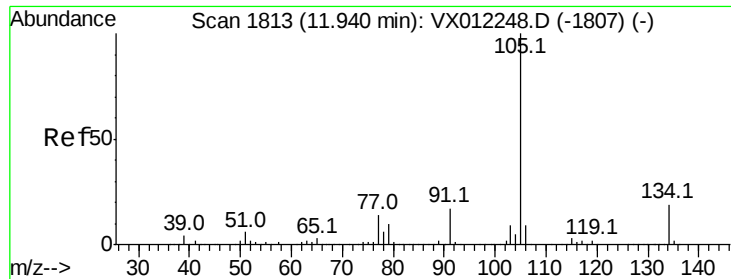
Tot Ion:119 Resp: 322342
Ion Ratio Lower Upper
119 100
91 60.7 30.9 92.8
134 22.8 11.2 33.6



#84
1,2,4-Trimethylbenzene
Concen: 48.237 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion:105 Resp: 330913
Ion Ratio Lower Upper
105 100
120 44.2 21.3 63.9

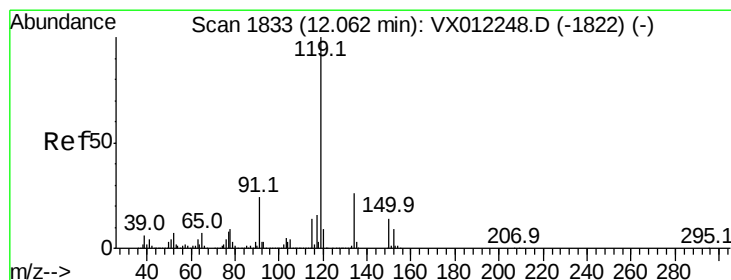
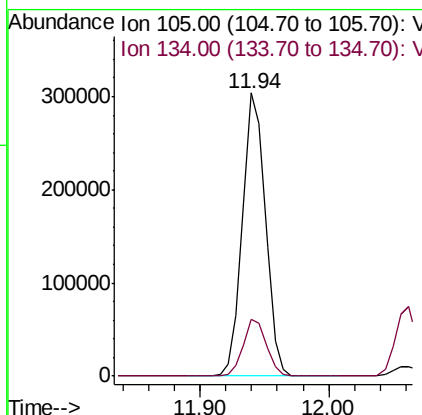
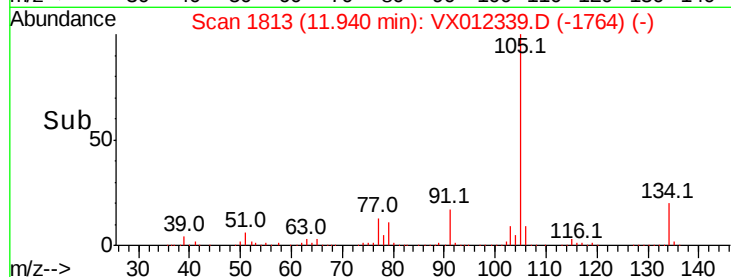
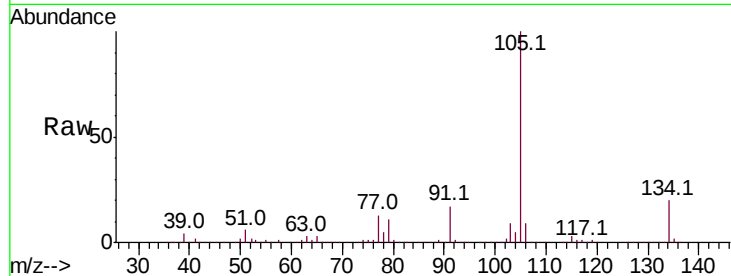




#85
 sec-Butylbenzene
 Concen: 48.790 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

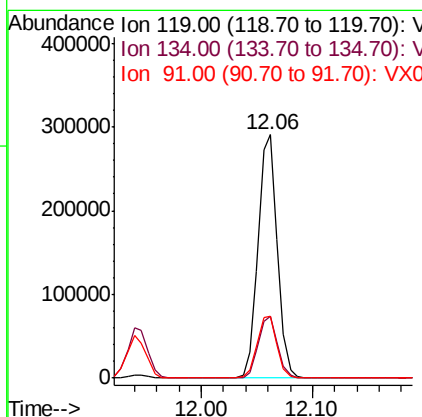
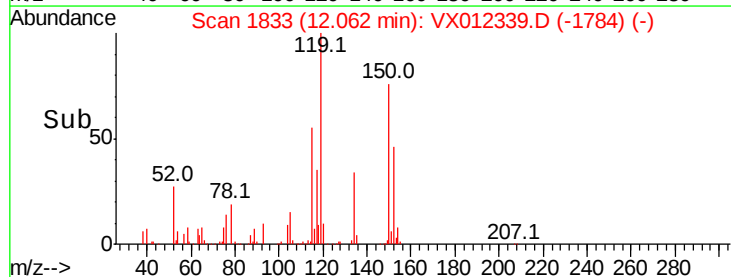
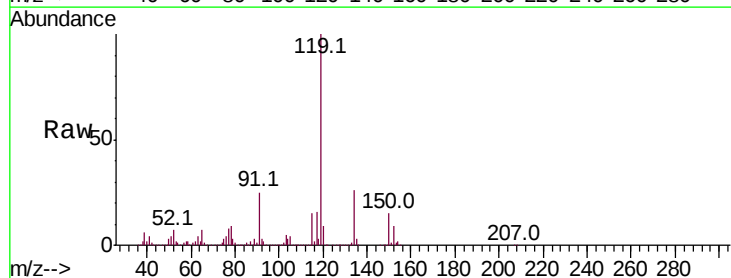
Instrument :
 MSVOA_X
 ClientSampleId :

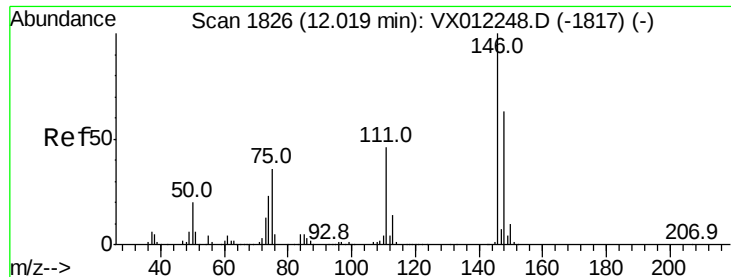
Tot Ion:105 Resp: 375125
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 49.349 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

Tgt Ion:119 Resp: 350579
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.7
 91 26.0 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 48.726 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

Instrument :

MSVOA_X

ClientSampleId :

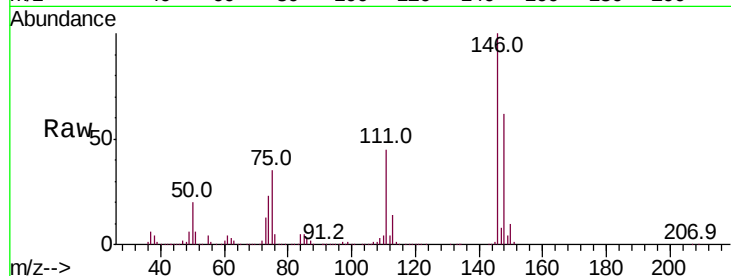
Tot Ion:146 Resp: 168636

Ion Ratio Lower Upper

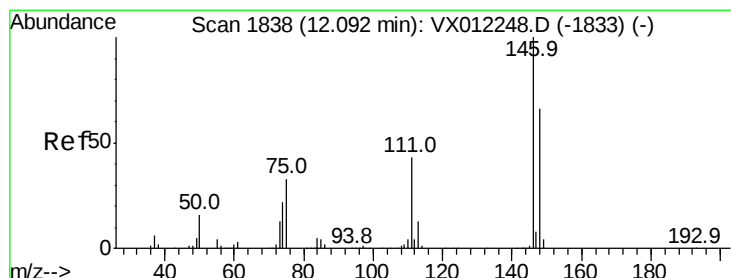
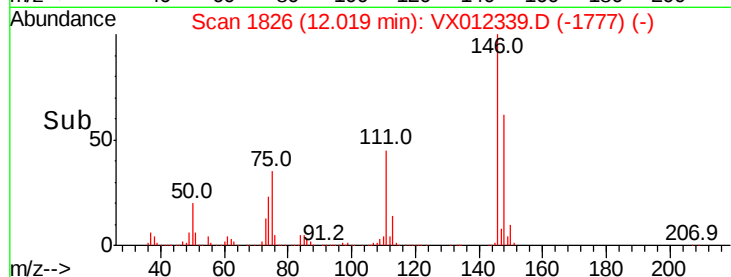
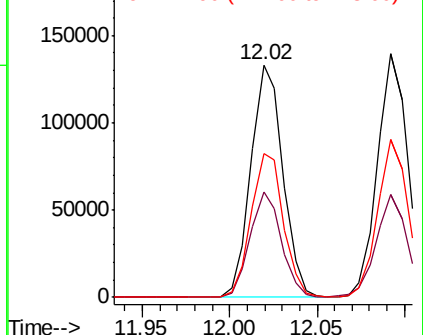
146 100

111 44.7 22.3 66.8

148 63.1 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.309 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX012339.D

Acq: 12 Sep 2019 10:15

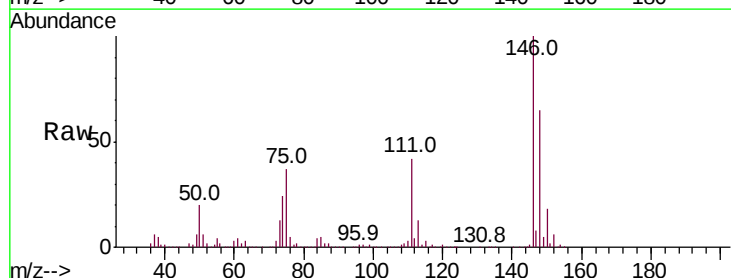
Tgt Ion:146 Resp: 169062

Ion Ratio Lower Upper

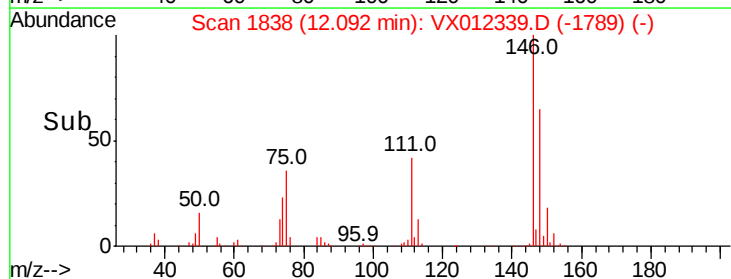
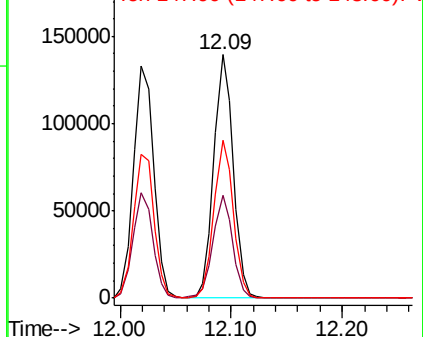
146 100

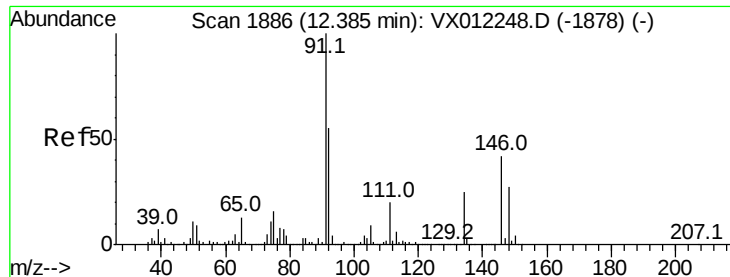
111 42.6 21.6 64.8

148 64.6 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

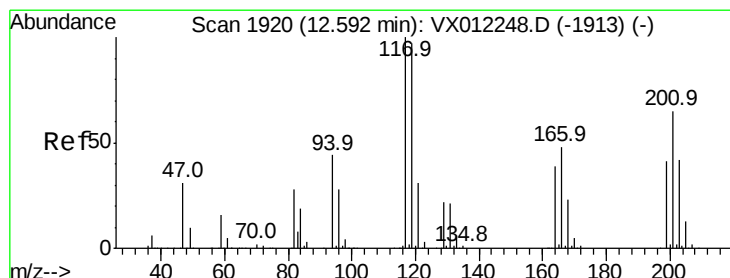
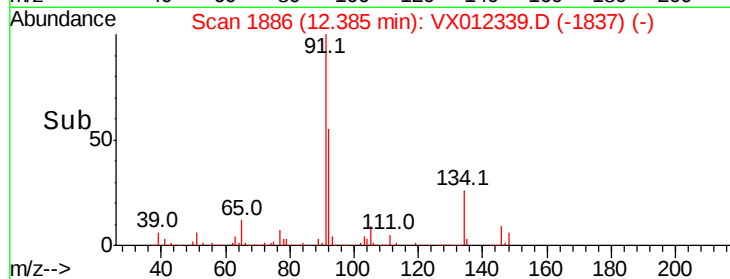
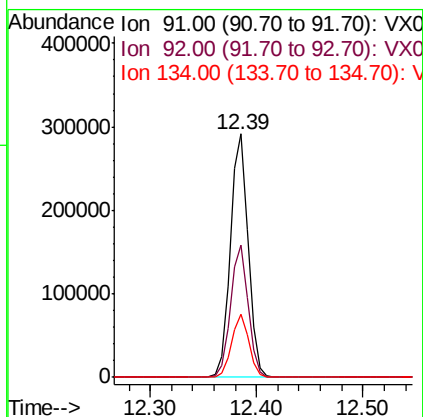
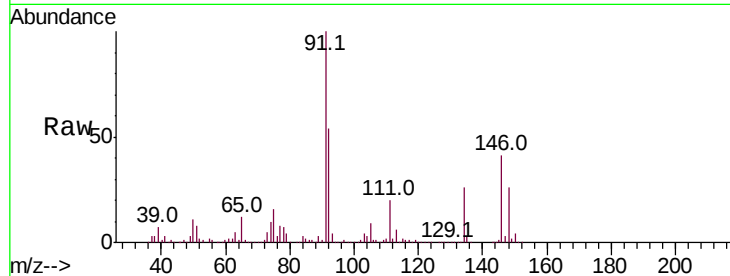




#89
n-Butylbenzene
Concen: 48.920 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

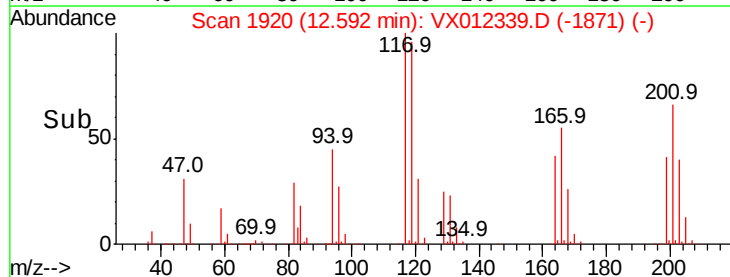
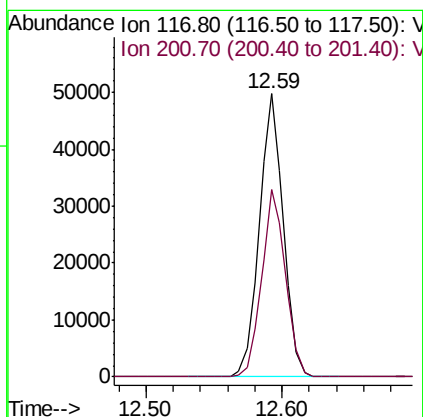
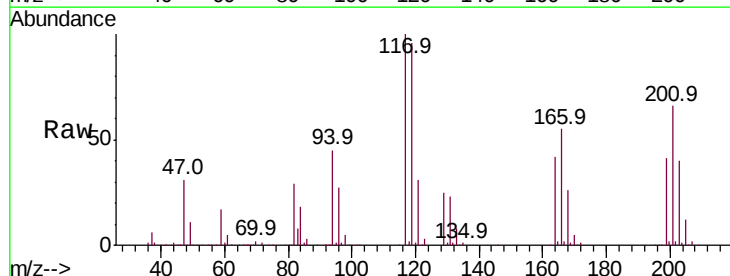
Instrument :
MSVOA_X
ClientSampleId :

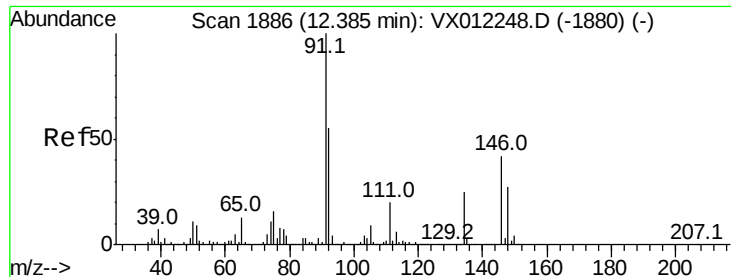
Tot Ion: 91 Resp: 340622
Ion Ratio Lower Upper
91 100
92 53.8 27.6 82.7
134 25.3 12.5 37.5



#90
Hexachloroethane
Concen: 47.046 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion: 117 Resp: 61561
Ion Ratio Lower Upper
117 100
201 65.8 32.2 96.6

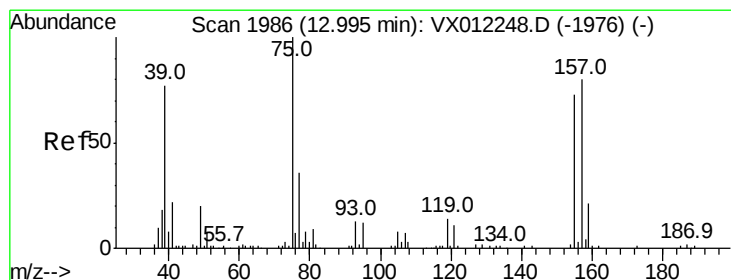
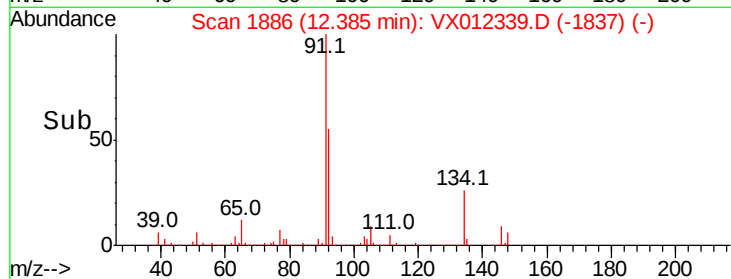
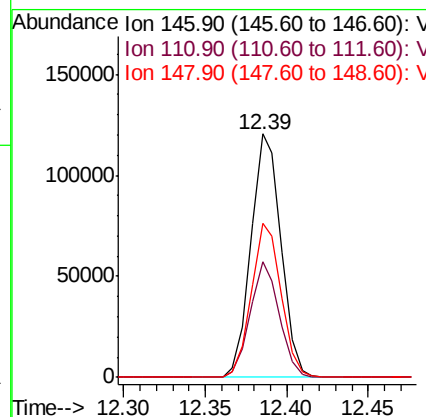
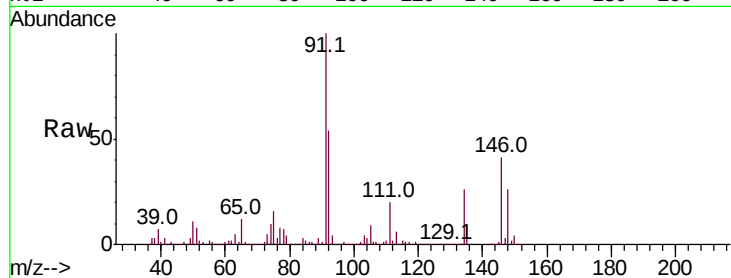




#91
 1,2-Dichlorobenzene
 Concen: 48.382 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

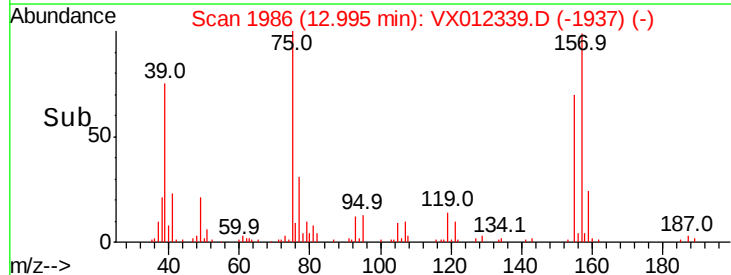
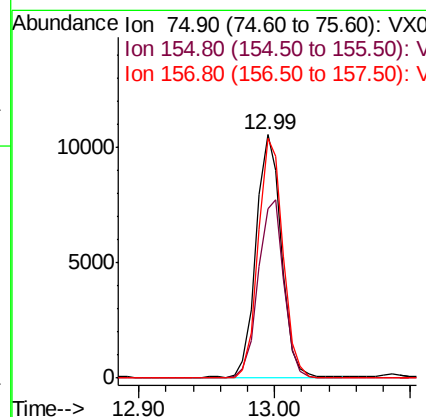
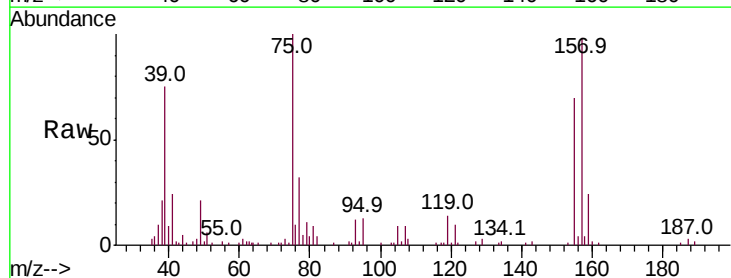
Instrument :
 MSVOA_X
 ClientSampleId :

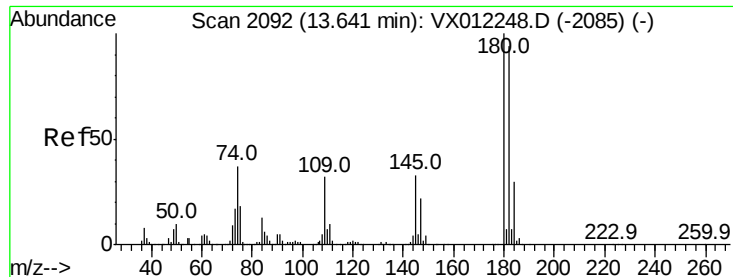
Tot Ion:146 Resp: 154893
 Ion Ratio Lower Upper
 146 100
 111 46.0 23.2 69.6
 148 62.8 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.985 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

Tgt Ion: 75 Resp: 13905
 Ion Ratio Lower Upper
 75 100
 155 73.7 35.3 105.7
 157 95.2 43.2 129.6

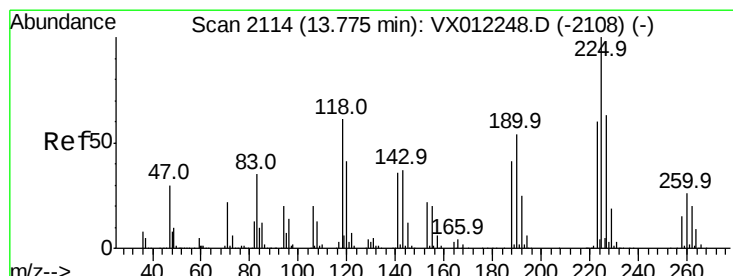
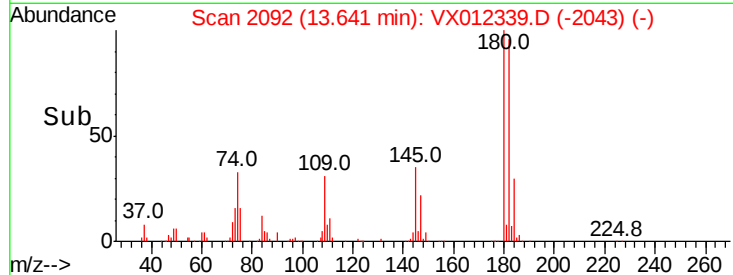
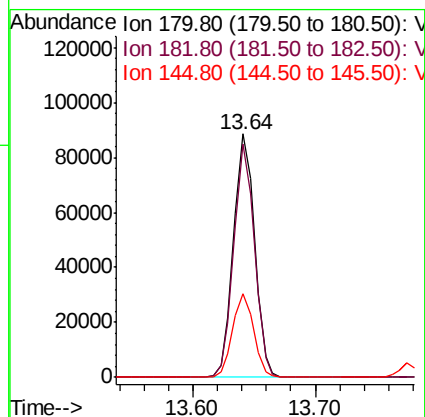
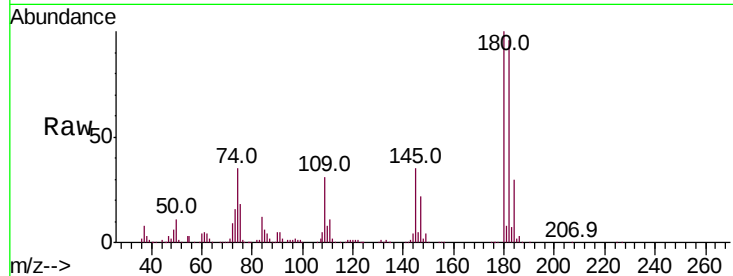




#93
 1,2,4-Trichlorobenzene
 Concen: 47.705 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

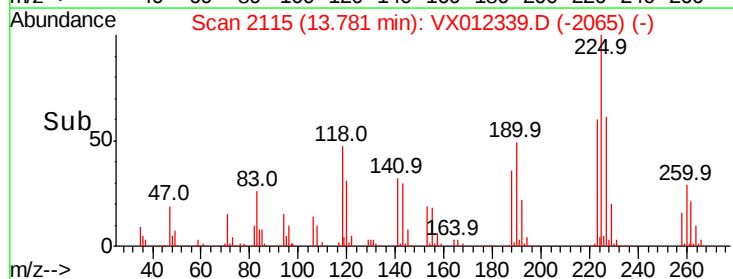
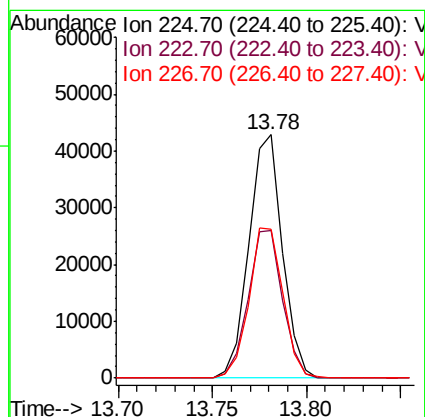
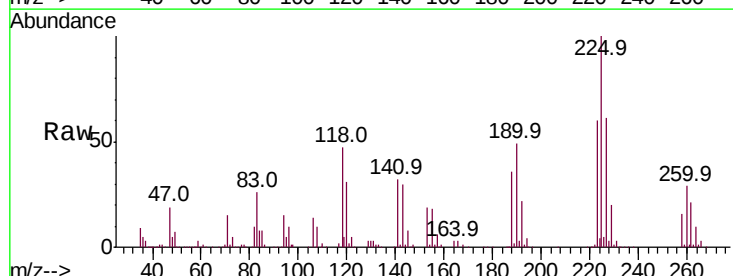
Instrument :
 MSVOA_X
 ClientSampleId :

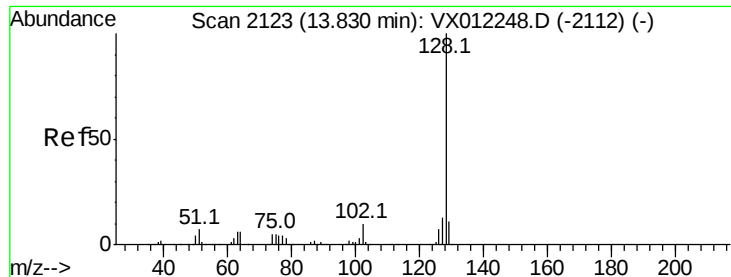
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.8
145	34.2	17.1	51.2



#94
 Hexachlorobutadiene
 Concen: 47.906 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX012339.D
 Acq: 12 Sep 2019 10:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.1	96.5
227	62.6	32.5	97.5

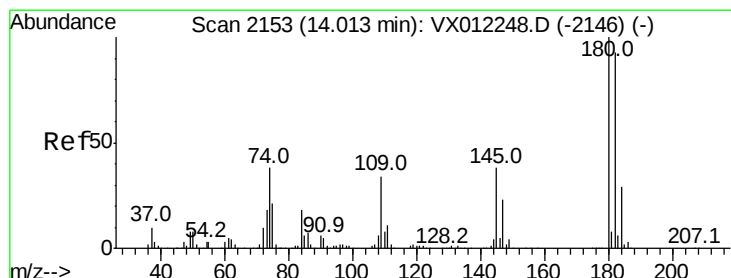
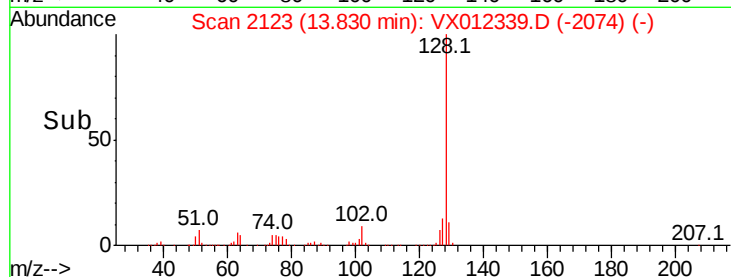
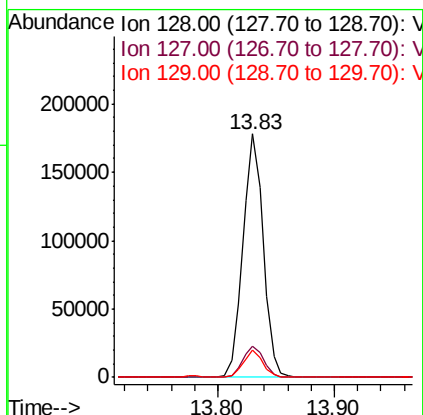
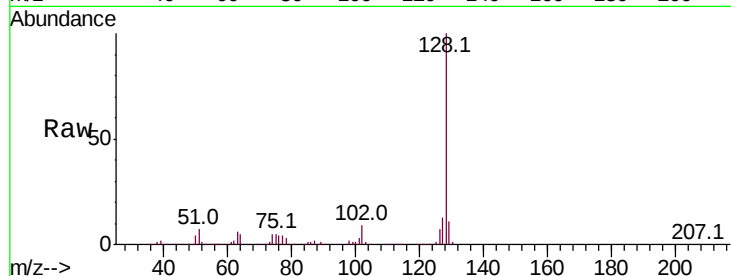




#95
Naphthalene
Concen: 45.909 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 217819
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 45.800 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX012339.D
Acq: 12 Sep 2019 10:15

Tgt Ion:180 Resp: 89593
Ion Ratio Lower Upper
180 100
182 97.8 47.0 141.0
145 37.6 18.6 55.8

