

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011325.D
 Acq On : 05 Aug 2019 12:47
 Operator : JC/SP
 Sample : VX0805WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 06 02:37:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	155314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	225636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	206393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	77118	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	5.49	113	70891	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.71	98	265893	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	11.13	95	93107	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	20317	16.937	ug/l 98
3) Chloromethane	1.32	50	22611	16.785	ug/l 97
4) Vinyl Chloride	1.40	62	26054	17.583	ug/l 98
5) Bromomethane	1.63	94	19209	18.177	ug/l 98
6) Chloroethane	1.71	64	18144	18.108	ug/l 96
7) Trichlorofluoromethane	1.92	101	46749	17.744	ug/l 100
8) Diethyl Ether	2.18	74	15890	16.891	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	24490	17.179	ug/l 99
10) Methyl Iodide	2.50	142	24359	13.553	ug/l 99
11) Tert butyl alcohol	3.04	59	30679	98.378	ug/l 98
12) 1,1-Dichloroethene	2.37	96	24731	17.501	ug/l 95
13) Acrolein	2.29	56	15651	80.460	ug/l 95
14) Allyl chloride	2.72	41	35290	18.733	ug/l 98
15) Acrylonitrile	3.14	53	70318	94.478	ug/l 100
16) Acetone	2.43	43	61679	82.849	ug/l 97
17) Carbon Disulfide	2.56	76	56349	16.993	ug/l 97
18) Methyl Acetate	2.76	43	31618	18.584	ug/l 99
19) Methyl tert-butyl Ether	3.19	73	73664	17.689	ug/l 99
20) Methylene Chloride	2.85	84	27088	16.614	ug/l 97
21) trans-1,2-Dichloroethene	3.16	96	25390	16.985	ug/l 90
22) Diisopropyl ether	3.85	45	73814	17.828	ug/l 98
23) Vinyl Acetate	3.81	43	316311	92.109	ug/l 97
24) 1,1-Dichloroethane	3.69	63	42586	17.443	ug/l 99
25) 2-Butanone	4.67	43	94386	89.126	ug/l 97
26) 2,2-Dichloropropane	4.58	77	32956	17.365	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	29728	17.266	ug/l 99
28) Bromochloromethane	5.01	49	21812	19.597	ug/l 97
29) Tetrahydrofuran	5.12	42	58916	90.732	ug/l 99
30) Chloroform	5.21	83	47663	17.962	ug/l 96
31) Cyclohexane	5.58	56	34246	17.002	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	40134	17.656	ug/l 99
36) 1,1-Dichloropropene	5.79	75	33761	17.137	ug/l 99
37) Ethyl Acetate	4.82	43	35232	17.829	ug/l 98
38) Carbon Tetrachloride	5.78	117	35324	17.823	ug/l 94

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 06 02:37:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	37811	16.192	ug/l	97
40) Benzene	6.13	78	103962	17.685	ug/l	94
41) Methacrylonitrile	5.03	41	18450	17.096	ug/l	97
42) 1,2-Dichloroethane	6.18	62	36443	18.333	ug/l	100
43) Isopropyl Acetate	6.44	43	54438	17.231	ug/l	99
44) Trichloroethene	7.21	130	30414	17.092	ug/l	99
45) 1,2-Dichloropropane	7.51	63	26752	17.571	ug/l	97
46) Dibromomethane	7.66	93	18985	17.082	ug/l	99
47) Bromodichloromethane	7.89	83	33220	17.654	ug/l	96
48) Methyl methacrylate	7.76	41	26204	17.624	ug/l	98
49) 1,4-Dioxane	7.74	88	14997	347.929	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	190263	93.317	ug/l	99
52) Toluene	8.78	92	68647	17.662	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	34068	17.502	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	38354	17.449	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	28552	17.866	ug/l	98
56) Ethyl methacrylate	9.18	69	40104	17.610	ug/l	98
57) 1,3-Dichloropropane	9.37	76	44741	17.703	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	105006	93.776	ug/l	99
59) 2-Hexanone	9.49	43	146009	92.455	ug/l	99
60) Dibromochloromethane	9.58	129	28817	17.613	ug/l	97
61) 1,2-Dibromoethane	9.67	107	29584	17.135	ug/l	99
64) Tetrachloroethene	9.34	164	31309	17.863	ug/l	95
65) Chlorobenzene	10.13	112	78376	17.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	27517	18.163	ug/l	98
67) Ethyl Benzene	10.25	91	129676	17.497	ug/l	99
68) m/p-Xylenes	10.35	106	101687	35.472	ug/l	100
69) o-Xylene	10.69	106	49034	17.409	ug/l	99
70) Styrene	10.71	104	81061	17.393	ug/l	98
71) Bromoform	10.85	173	20597	17.178	ug/l #	99
73) Isopropylbenzene	11.02	105	130500	17.581	ug/l	99
74) N-amyl acetate	10.90	43	48902	18.232	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	43363	17.530	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	45906	23.225	ug/l	84
77) Bromobenzene	11.25	156	35729	17.358	ug/l	99
78) n-propylbenzene	11.36	91	143465	17.380	ug/l	99
79) 2-Chlorotoluene	11.42	91	85687	17.416	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	110467	17.778	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	11145	18.221	ug/l	93
82) 4-Chlorotoluene	11.51	91	98963	17.259	ug/l	99
83) tert-Butylbenzene	11.77	119	107252	17.599	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	111603	18.039	ug/l	100
85) sec-Butylbenzene	11.94	105	127325	17.389	ug/l	99
86) p-Isopropyltoluene	12.06	119	117838	17.494	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	63280	17.399	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	63224	16.859	ug/l	96
89) n-Butylbenzene	12.38	91	96357	16.604	ug/l	99
90) Hexachloroethane	12.59	117	16300	16.367	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	63424	17.356	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	8913	18.598	ug/l	98

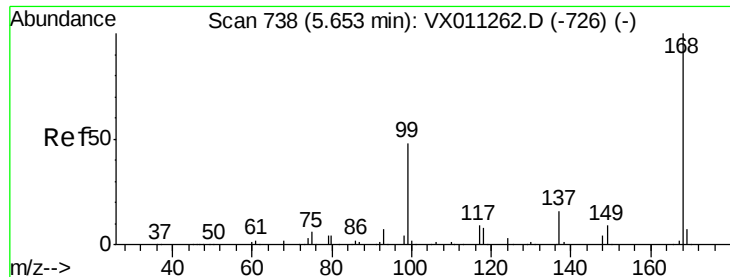
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	41953	17.311	ug/l	98
94) Hexachlorobutadiene	13.78	225	21294	17.319	ug/l	96
95) Naphthalene	13.83	128	128281	18.101	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	43480	17.648	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

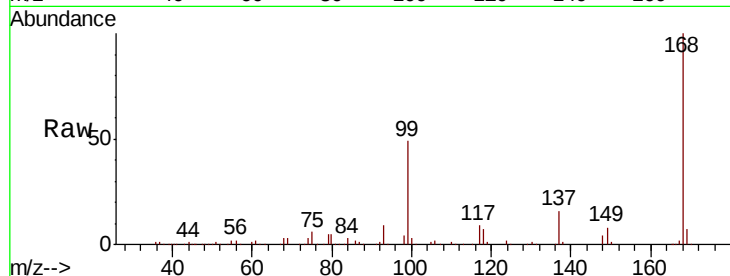
ClientSampleId :

Tot Ion:168 Resp: 155314

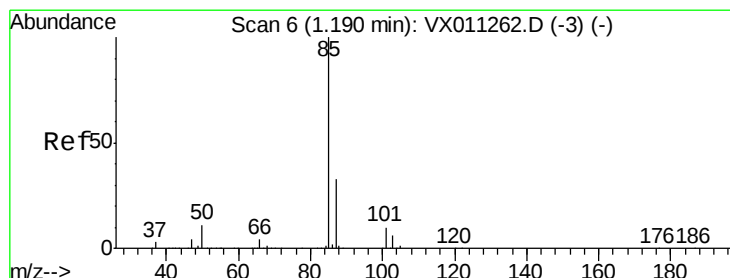
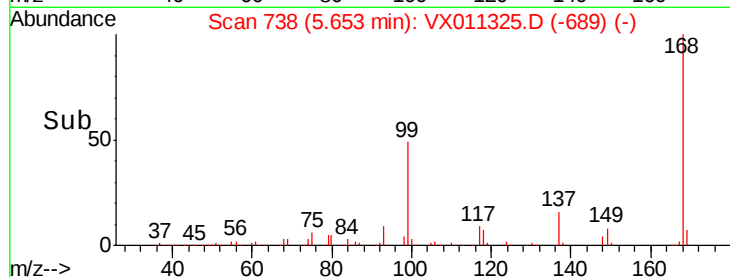
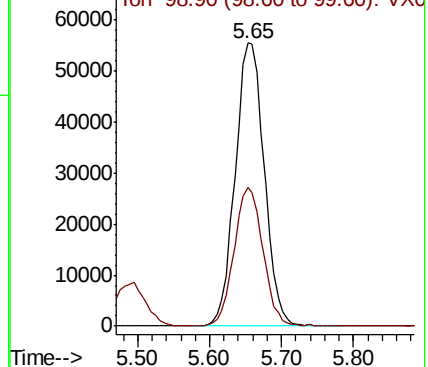
Ion Ratio Lower Upper

168 100

99 49.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): VX011262.D (-726) (-)



#2

Dichlorodifluoromethane

Concen: 16.937 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011325.D

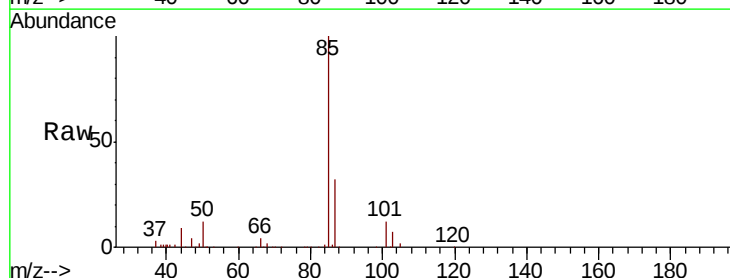
Acq: 05 Aug 2019 12:47

Tgt Ion: 85 Resp: 20317

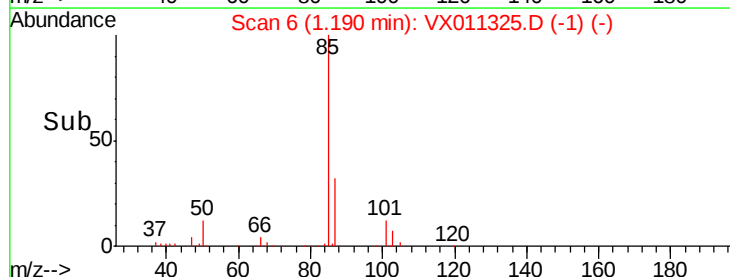
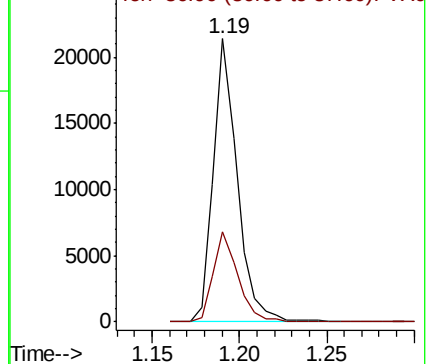
Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX011262.D (-3) (-)





#3

Chloromethane

Concen: 16.785 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

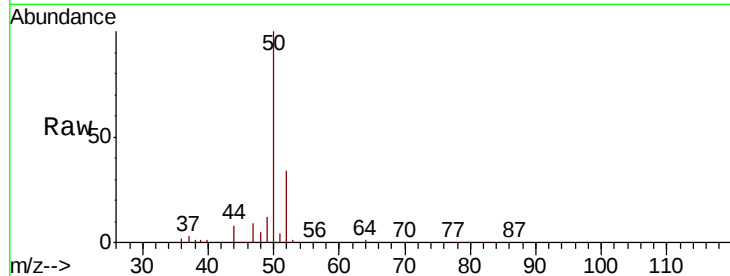
ClientSampleId :

Tot Ion: 50 Resp: 22611

Ion Ratio Lower Upper

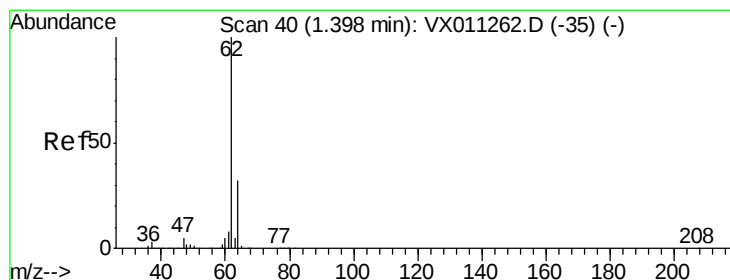
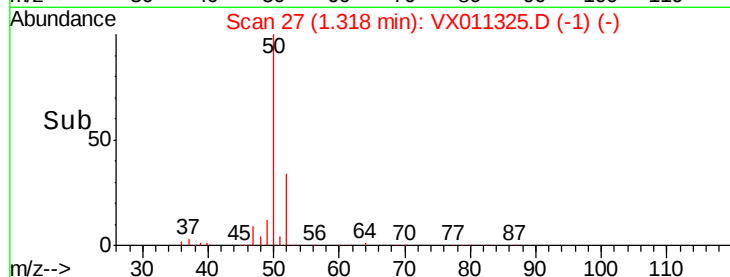
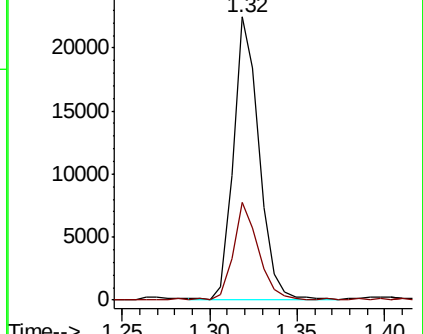
50 100

52 34.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.583 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011325.D

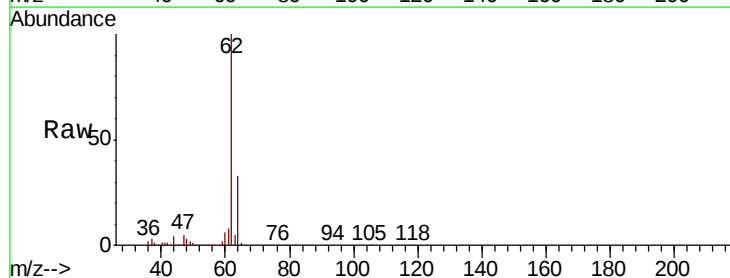
Acq: 05 Aug 2019 12:47

Tgt Ion: 62 Resp: 26054

Ion Ratio Lower Upper

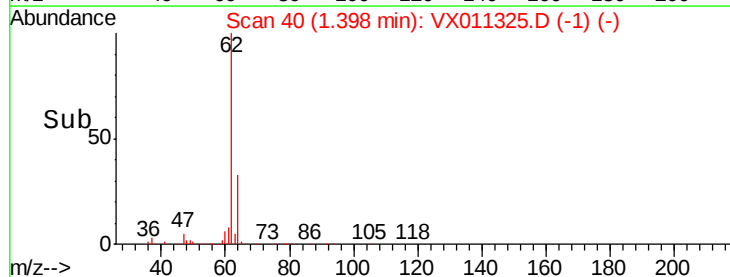
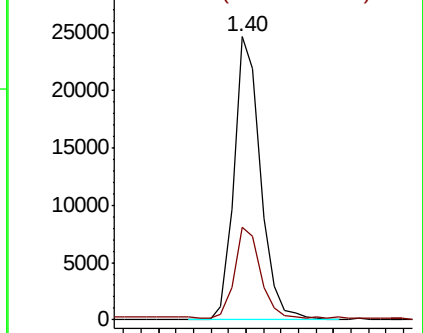
62 100

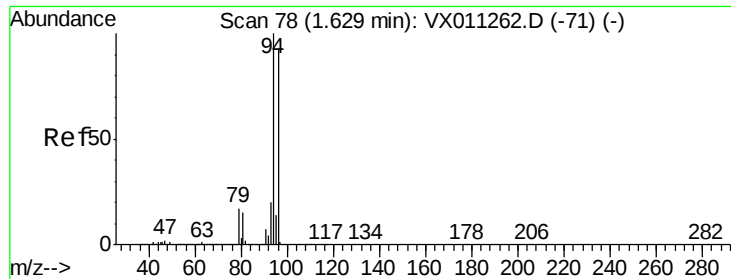
64 31.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.177 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

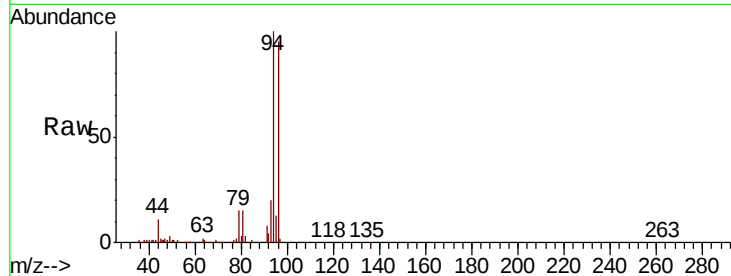
ClientSampled :

Tot Ion: 94 Resp: 19209

Ion Ratio Lower Upper

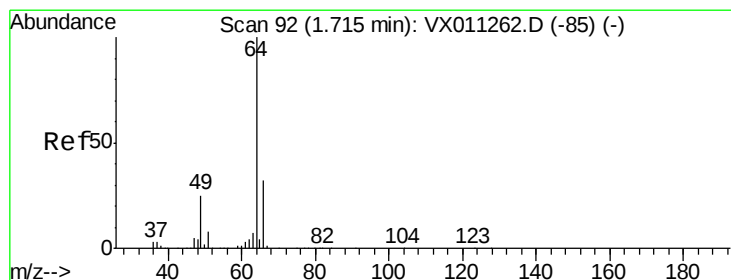
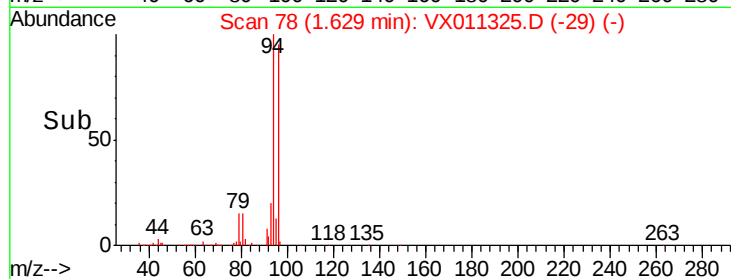
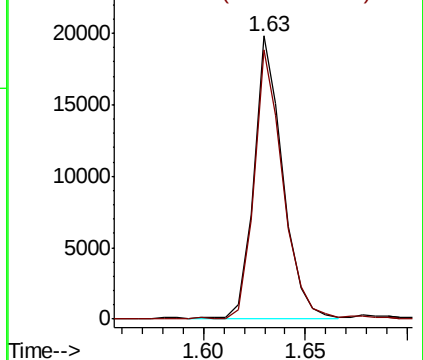
94 100

96 95.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.108 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011325.D

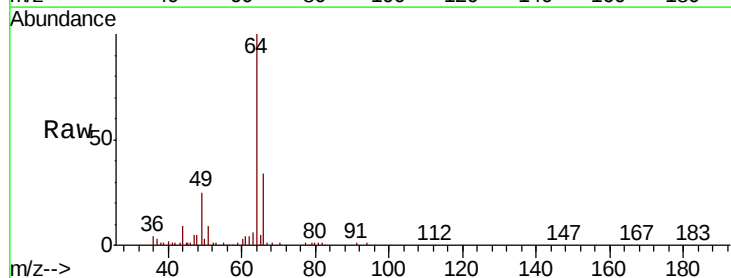
Acq: 05 Aug 2019 12:47

Tgt Ion: 64 Resp: 18144

Ion Ratio Lower Upper

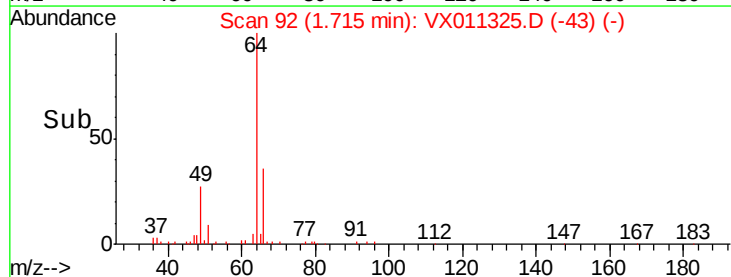
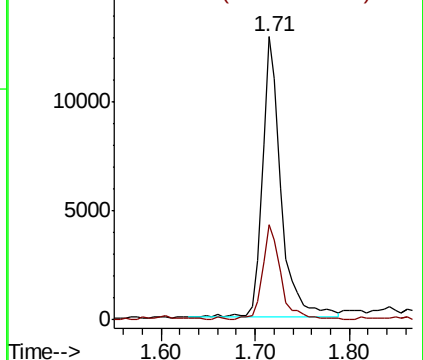
64 100

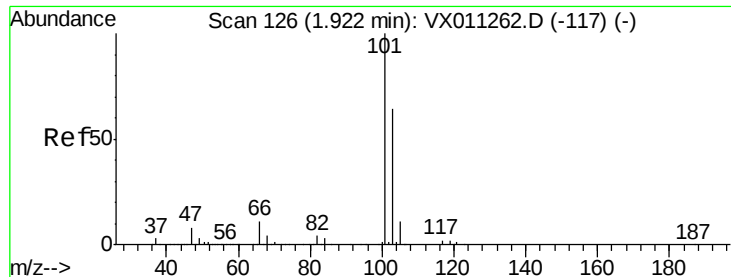
66 33.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



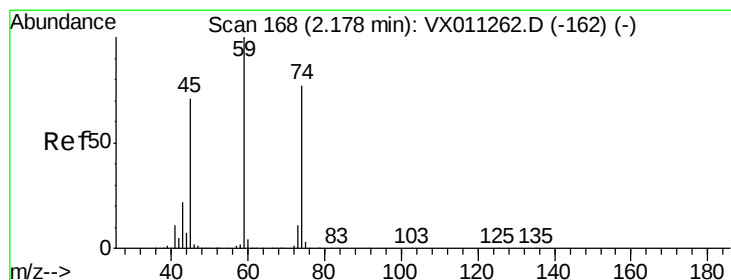
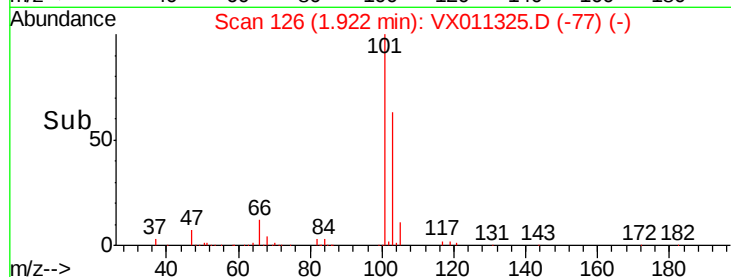
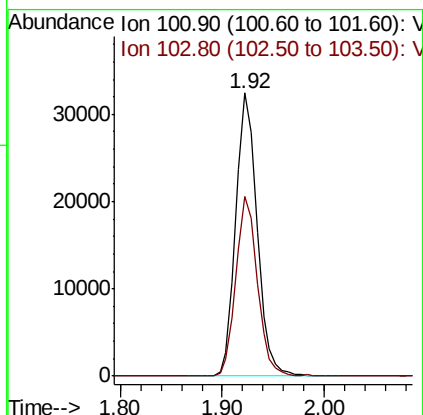
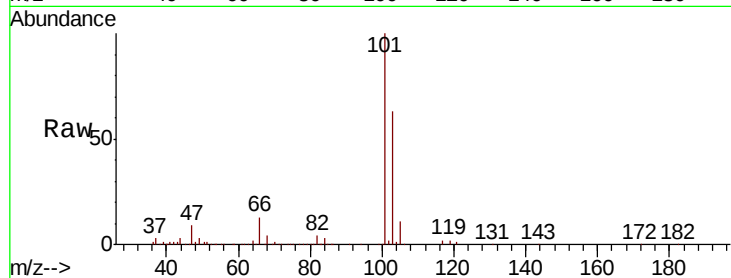


#7

Trichlorofluoromethane
 Concen: 17.744 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :

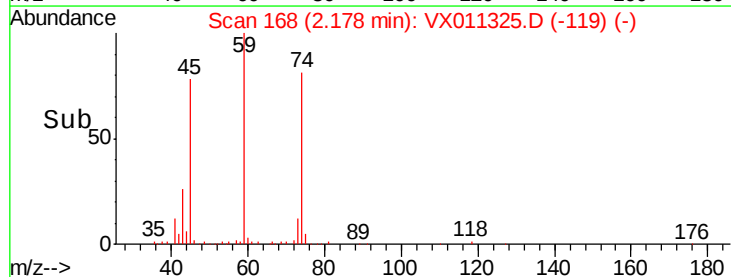
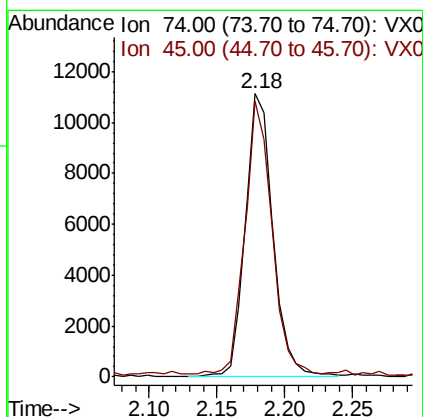
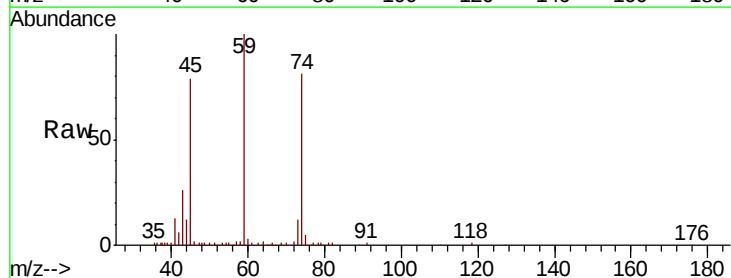
Tot Ion:101 Resp: 46749
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.9 76.3

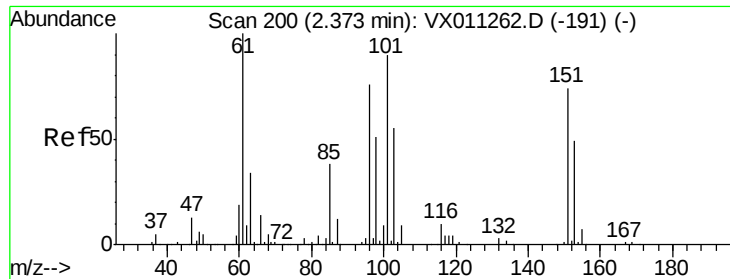


#8

Diethyl Ether
 Concen: 16.891 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion: 74 Resp: 15890
 Ion Ratio Lower Upper
 74 100
 45 93.7 46.1 138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.179 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

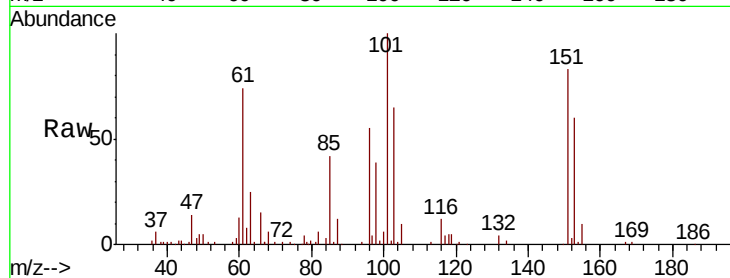
Tot Ion:101 Resp: 24490

Ion Ratio Lower Upper

101 100

85 43.2 33.8 50.6

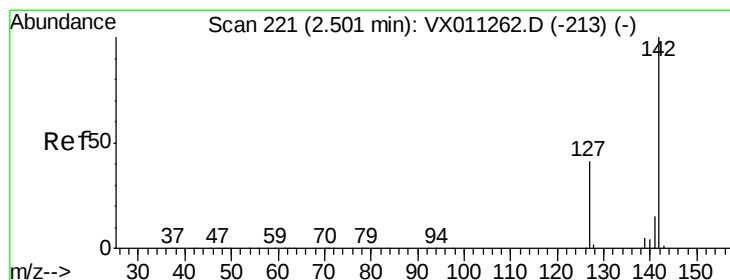
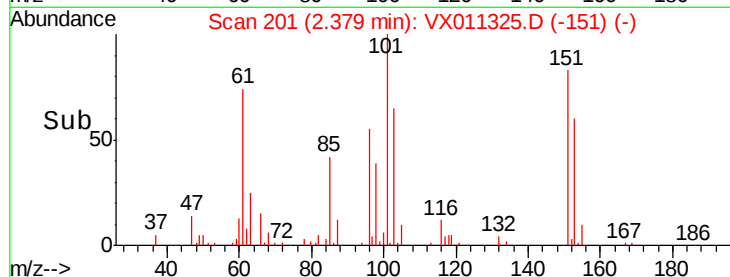
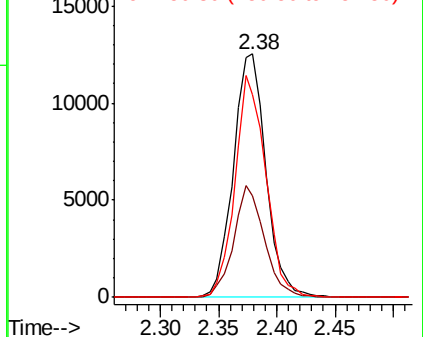
151 86.1 69.5 104.3



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: 13.553 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

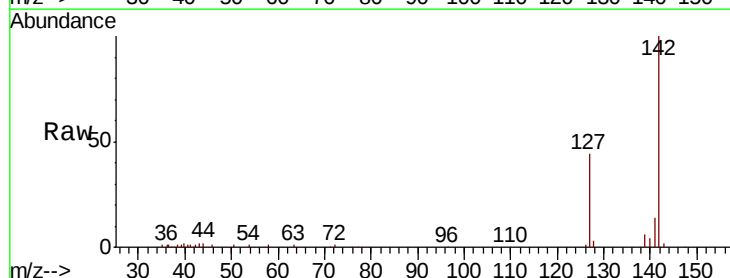
Tgt Ion:142 Resp: 24359

Ion Ratio Lower Upper

142 100

127 41.8 33.8 50.8

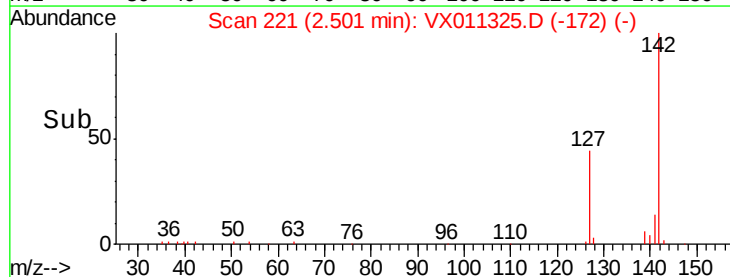
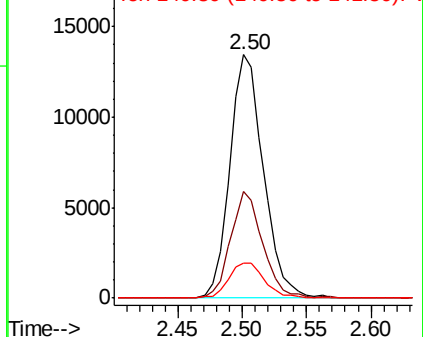
141 15.4 11.4 17.2

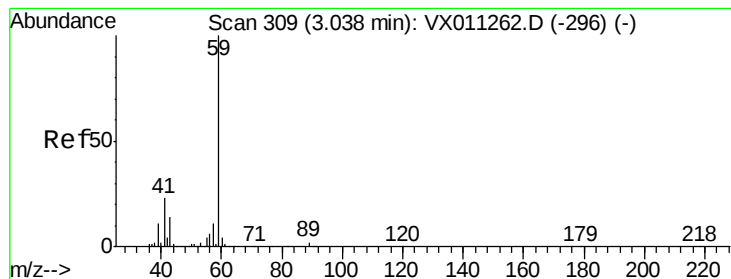


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



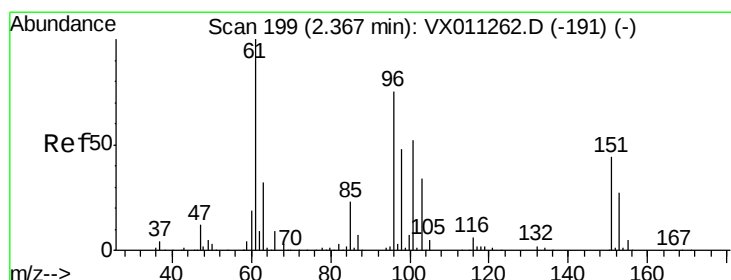
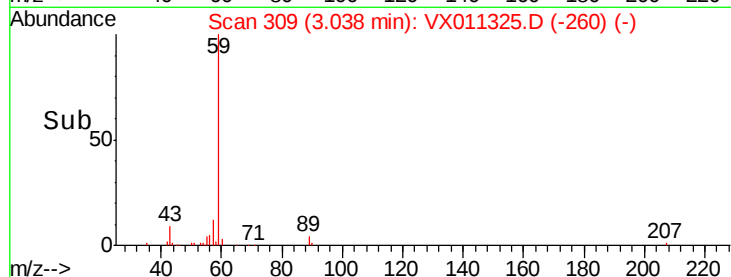
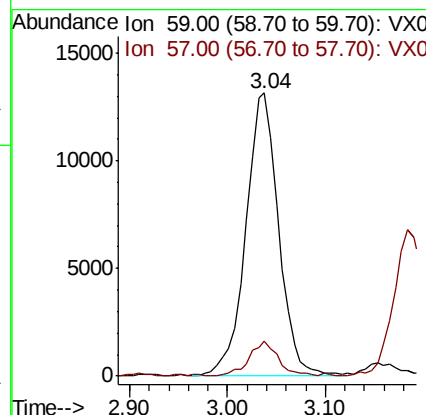
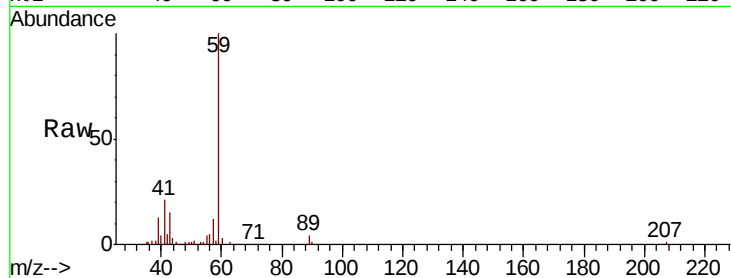


#11

Tert butyl alcohol
 Concen: 98.378 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampled :

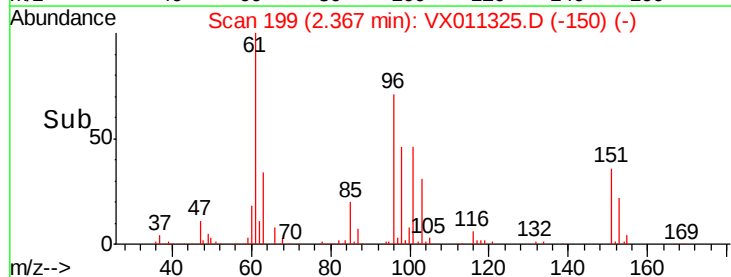
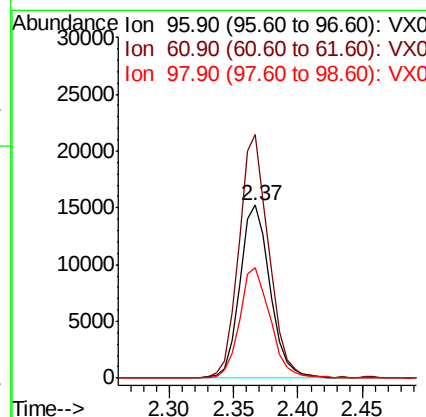
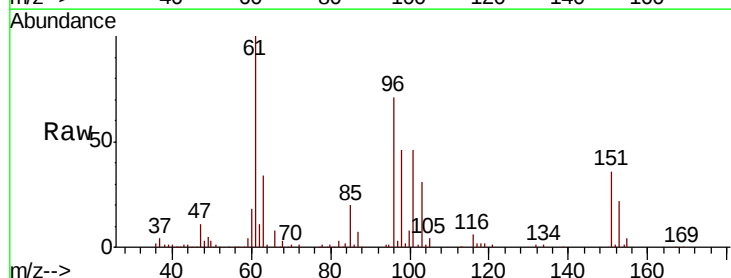
Tot Ion: 59 Resp: 30679
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.3 12.5

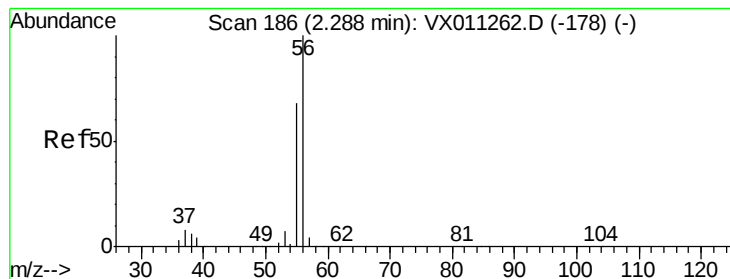


#12

1,1-Dichloroethene
 Concen: 17.501 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion: 96 Resp: 24731
 Ion Ratio Lower Upper
 96 100
 61 140.7 106.2 159.2
 98 64.1 50.6 75.8





#13

Acrolein

Concen: 80.460 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

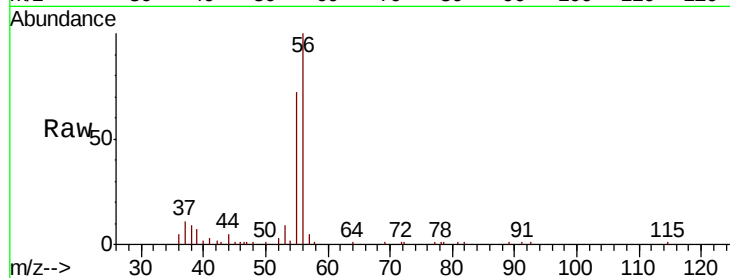
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 15651

Ion Ratio Lower Upper

56 100

55 66.0 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

10000

8000

6000

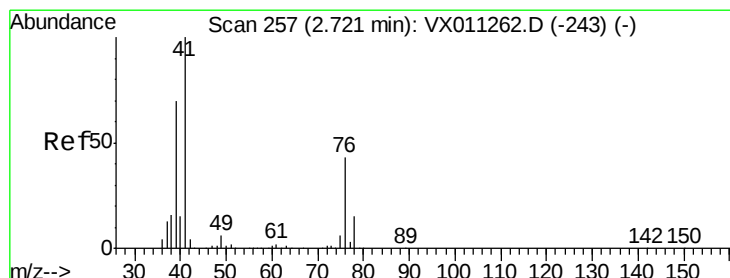
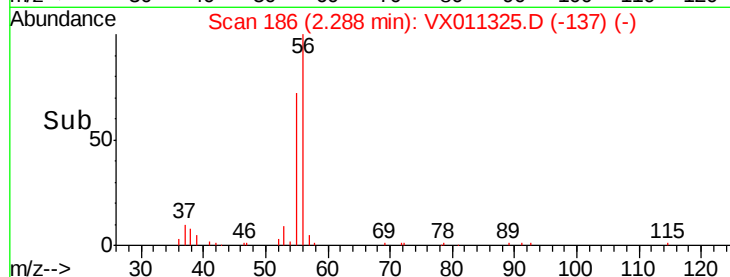
4000

2000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 18.733 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

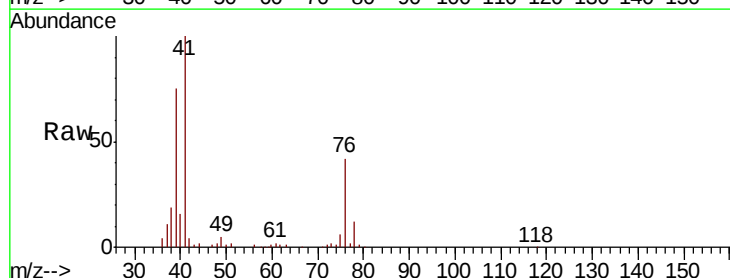
Tgt Ion: 41 Resp: 35290

Ion Ratio Lower Upper

41 100

39 64.7 52.8 79.2

76 37.8 31.1 46.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

40000

30000

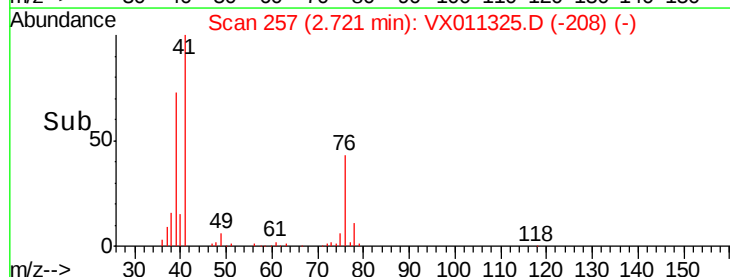
20000

10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 94.478 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

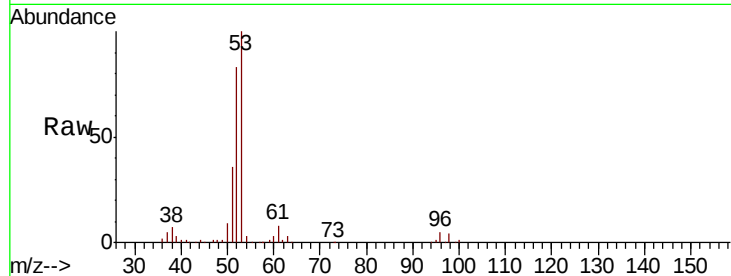
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 53 Resp: 70318

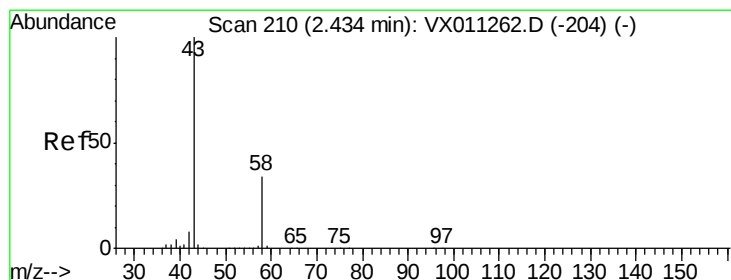
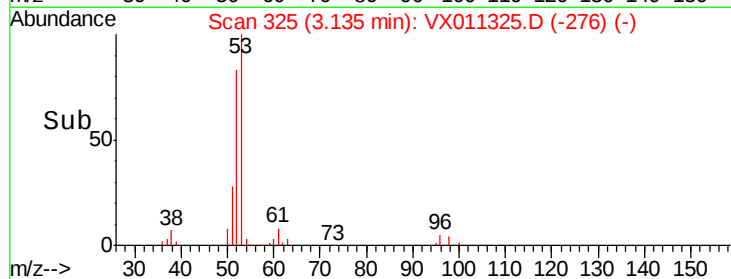
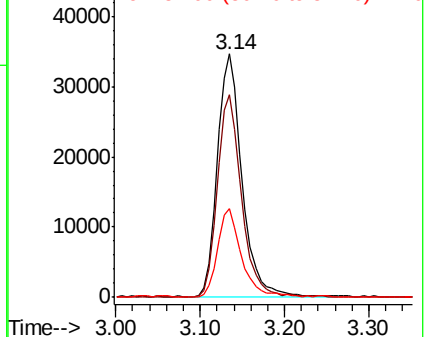
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.5	98.3
51	34.7	27.9	41.9



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: 82.849 ug/l

RT: 2.43 min Scan# 210

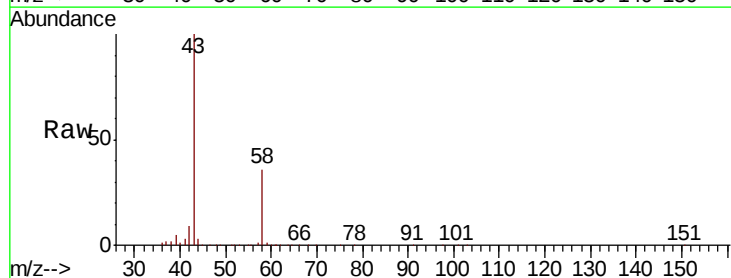
Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

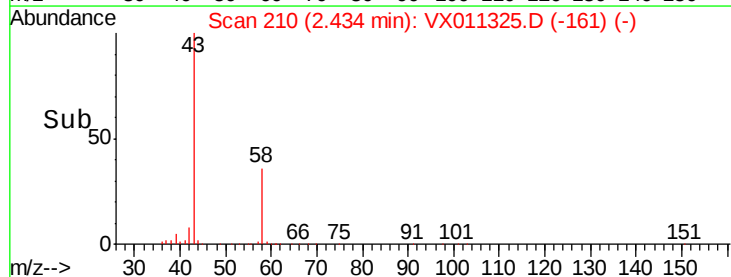
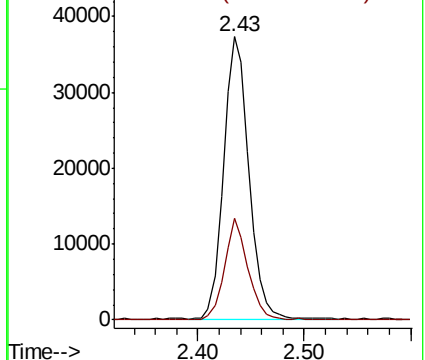
Tgt Ion: 43 Resp: 61679

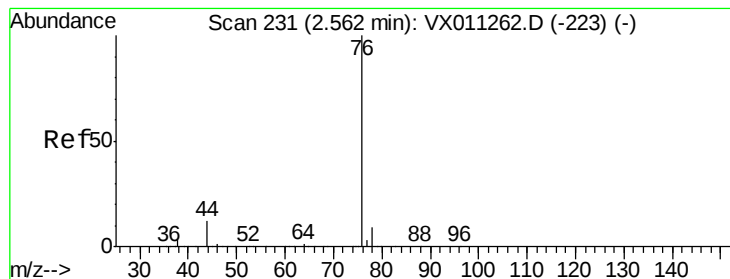
Ion	Ratio	Lower	Upper
43	100		
58	35.8	27.4	41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.993 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

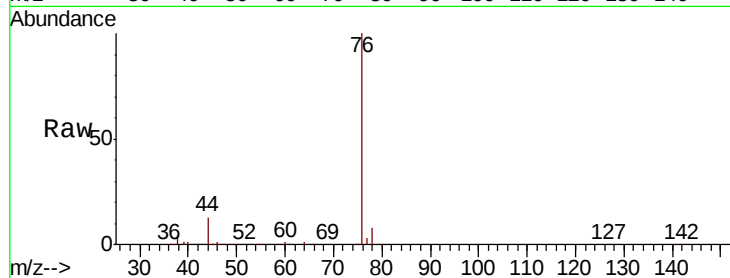
ClientSampleId :

Tot Ion: 76 Resp: 56349

Ion Ratio Lower Upper

76 100

78 8.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

30000

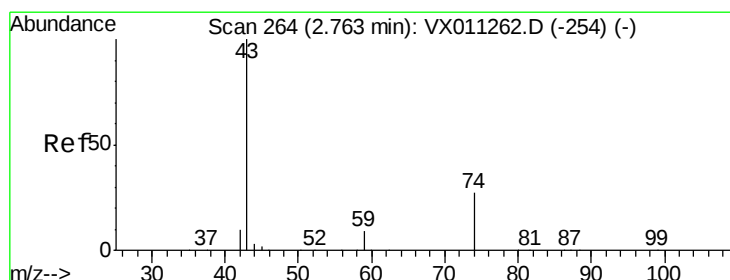
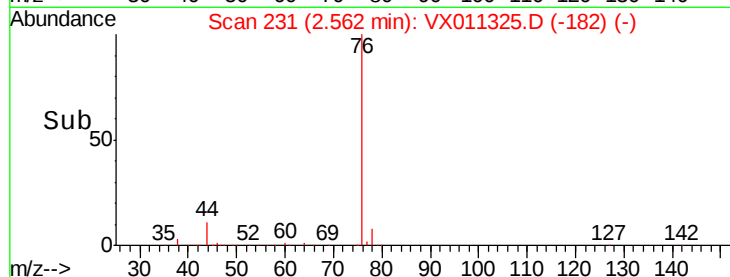
20000

10000

0

Time-->

2.50 2.55 2.60 2.65 2.70



#18

Methyl Acetate

Concen: 18.584 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011325.D

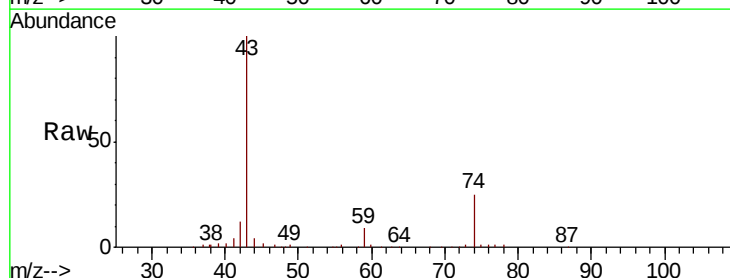
Acq: 05 Aug 2019 12:47

Tgt Ion: 43 Resp: 31618

Ion Ratio Lower Upper

43 100

74 25.7 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

20000

15000

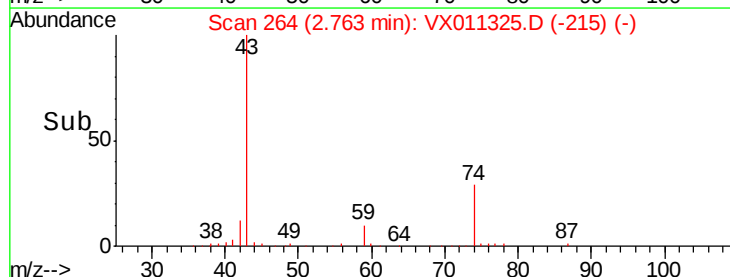
10000

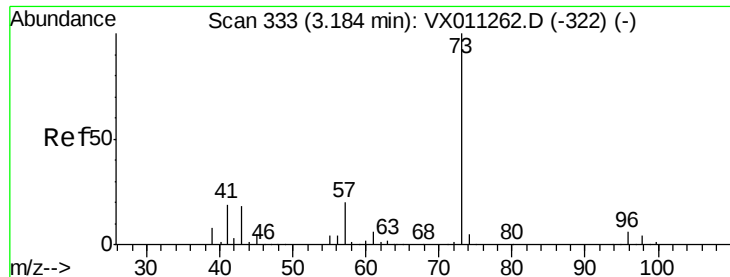
5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



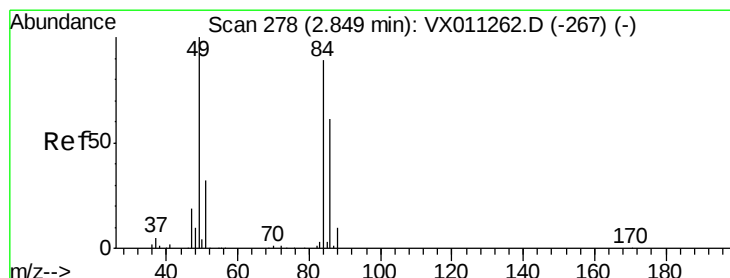
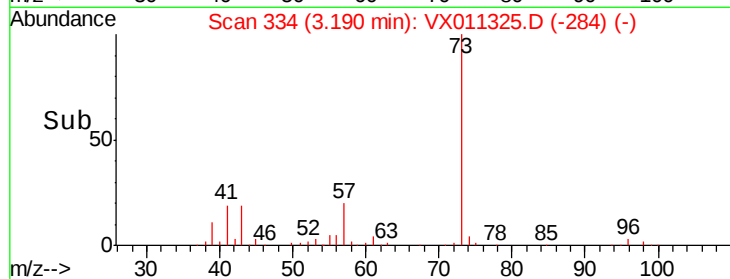
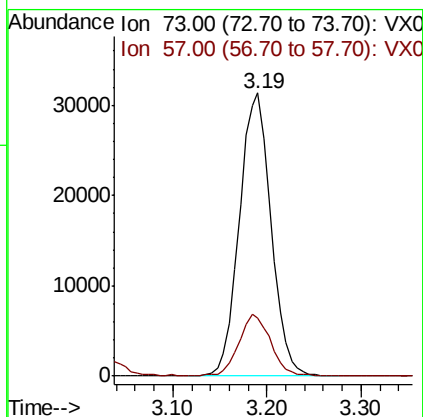
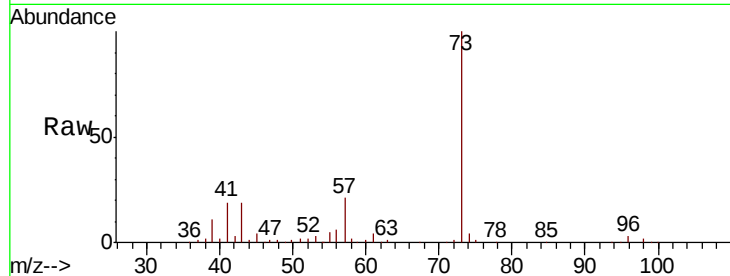


#19

Methvl tert-butvl Ether
 Concen: 17.689 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :

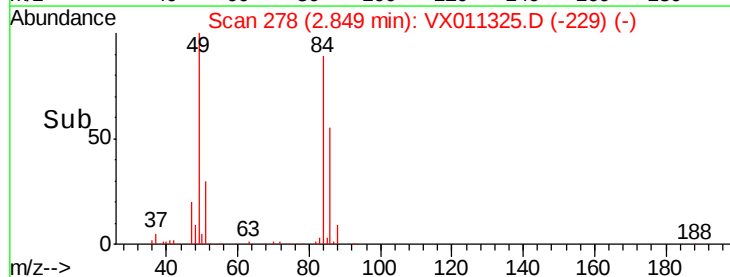
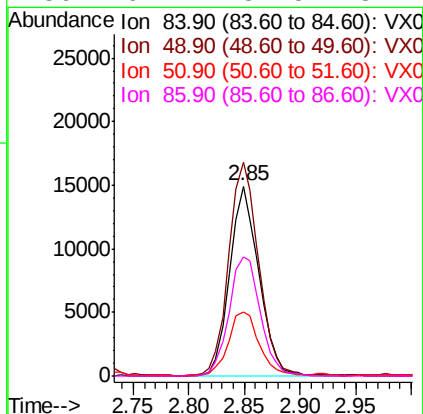
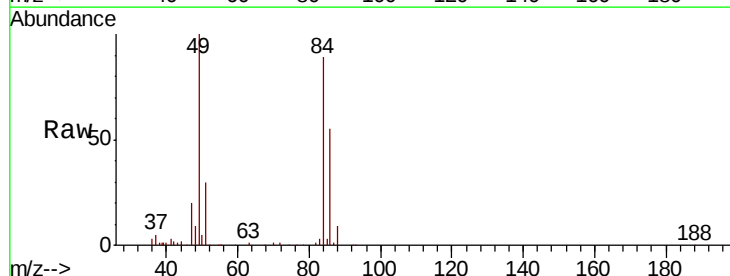
Tot Ion: 73 Resp: 73664
 Ion Ratio Lower Upper
 73 100
 57 20.6 16.2 24.2

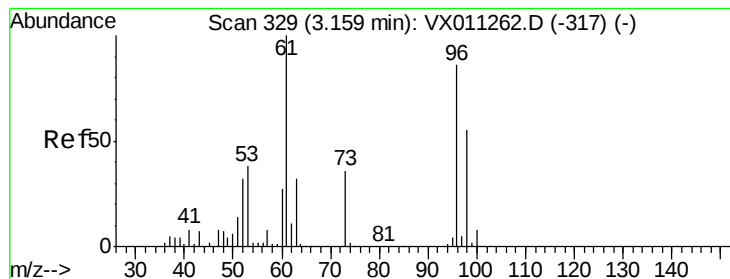


#20

Methylene Chloride
 Concen: 16.614 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion: 84 Resp: 27088
 Ion Ratio Lower Upper
 84 100
 49 112.5 89.3 133.9
 51 33.1 28.3 42.5
 86 62.4 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 16.985 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

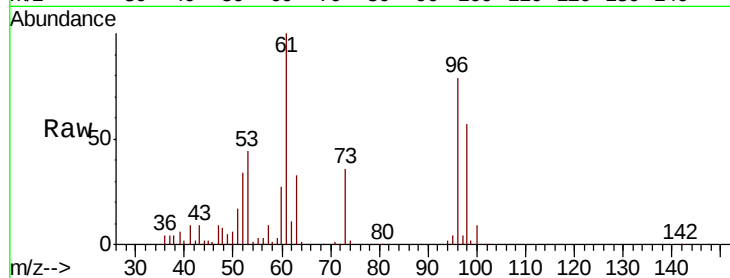
Tot Ion: 96 Resp: 25390

Ion Ratio Lower Upper

96 100

61 126.7 92.8 139.2

98 71.9 51.2 76.8

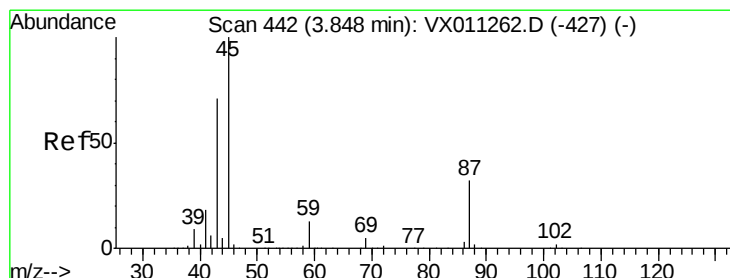
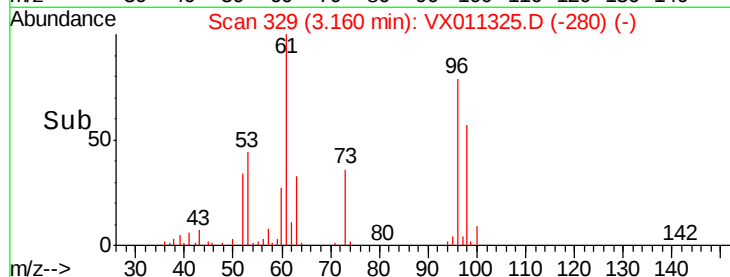
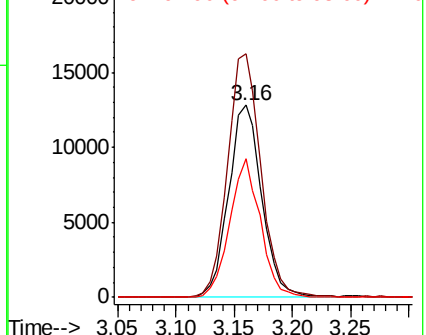


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 17.828 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Tgt Ion: 45 Resp: 73814

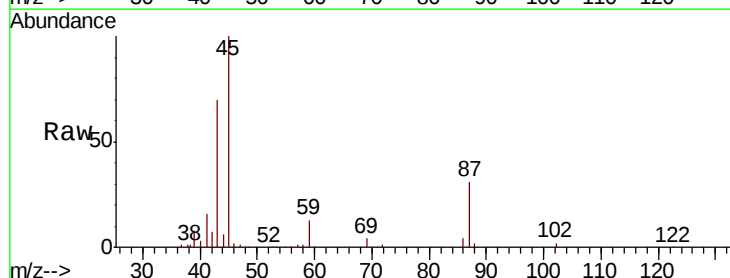
Ion Ratio Lower Upper

45 100

43 68.8 56.8 85.2

87 31.4 25.8 38.6

59 12.8 10.3 15.5



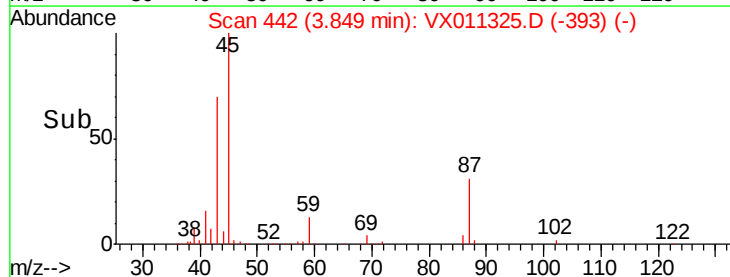
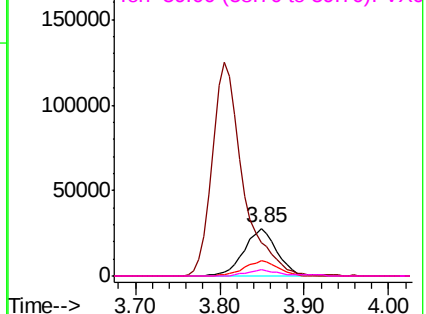
Abundance

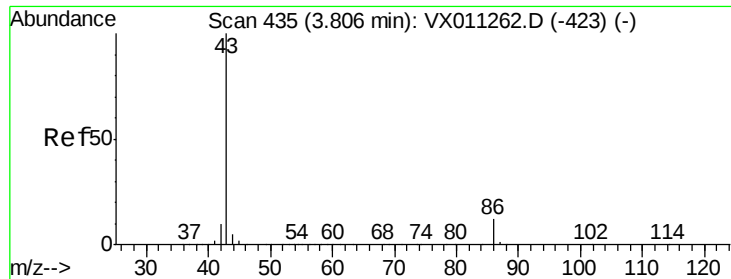
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 92.109 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

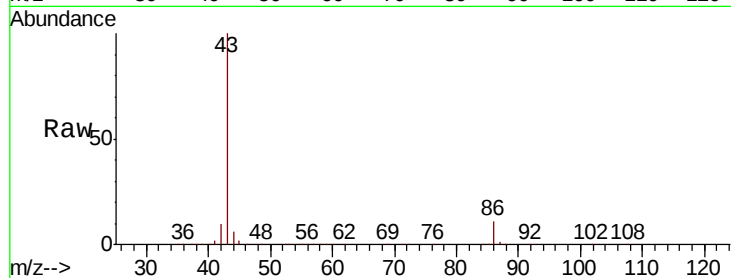
ClientSampled :

Tot Ion: 43 Resp: 316311

Ion Ratio Lower Upper

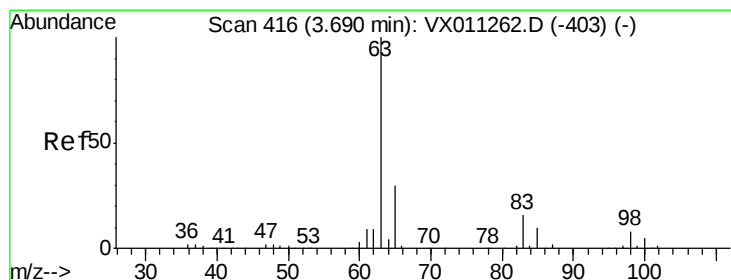
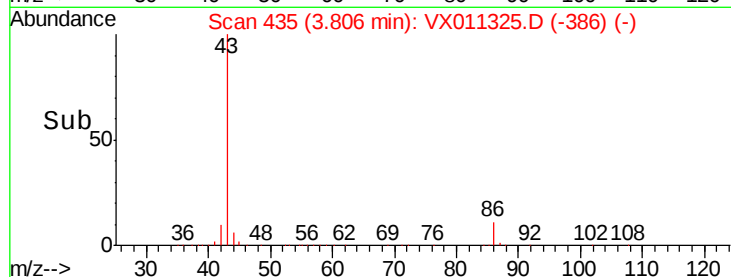
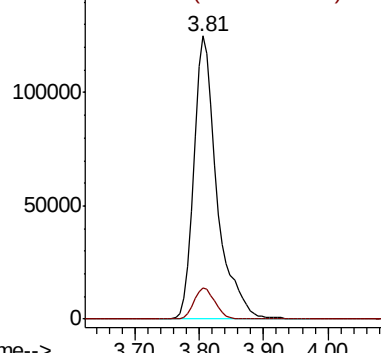
43 100

86 10.9 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.443 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

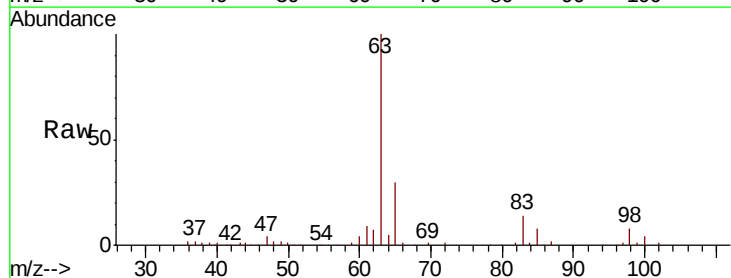
Tgt Ion: 63 Resp: 42586

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

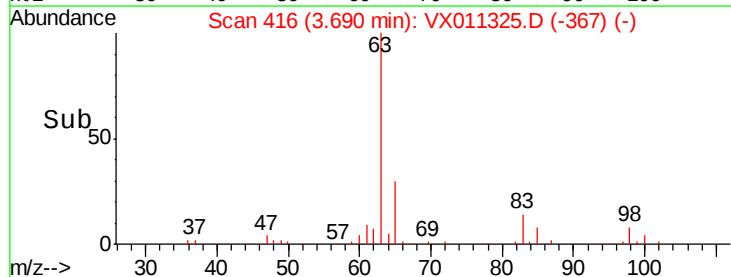
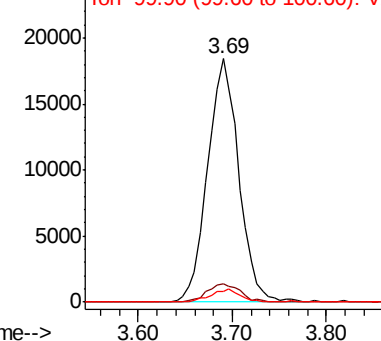
100 4.5 2.7 8.1

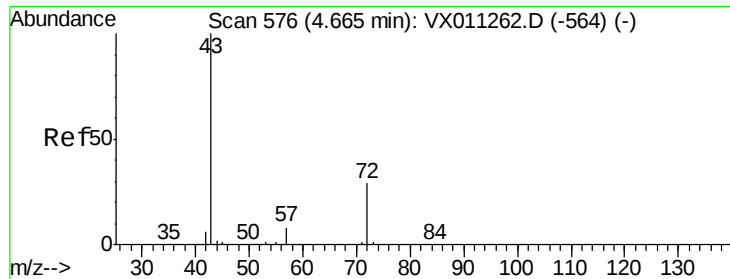


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 89.126 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

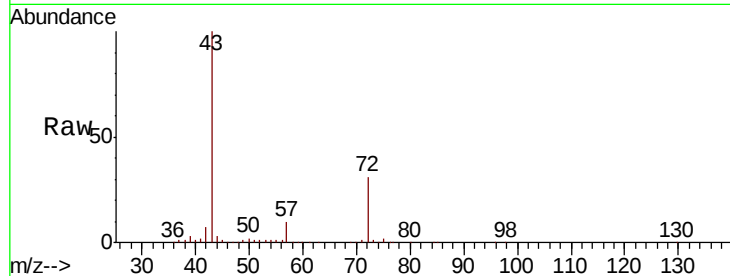
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 94386

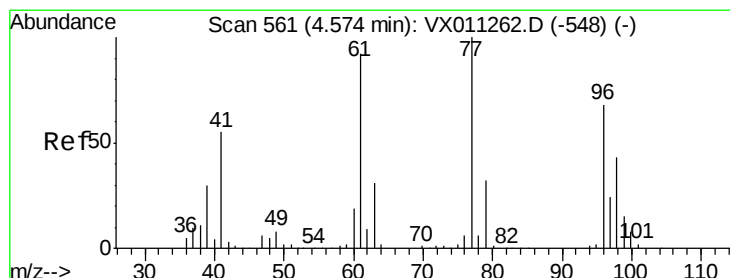
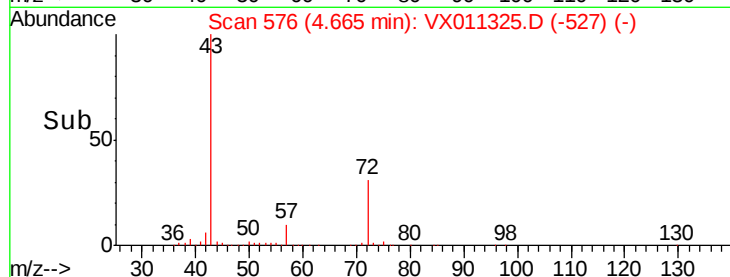
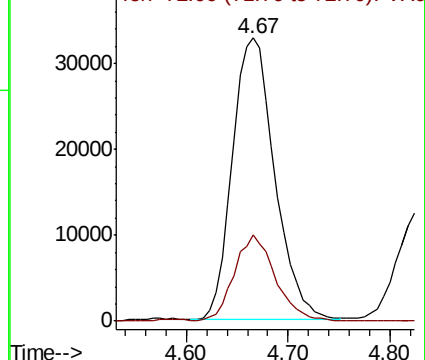
Ion Ratio Lower Upper

43 100

72 30.4 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.365 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011325.D

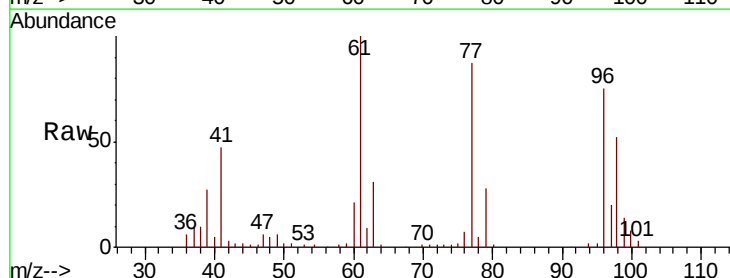
Acq: 05 Aug 2019 12:47

Tgt Ion: 77 Resp: 32956

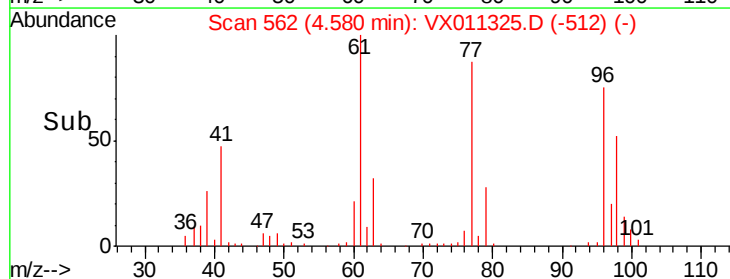
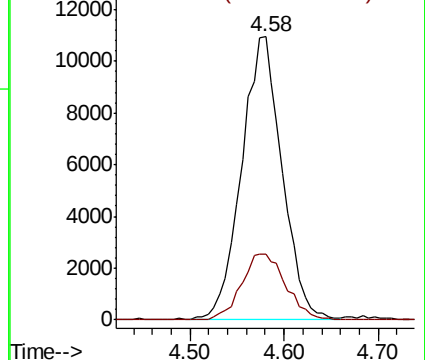
Ion Ratio Lower Upper

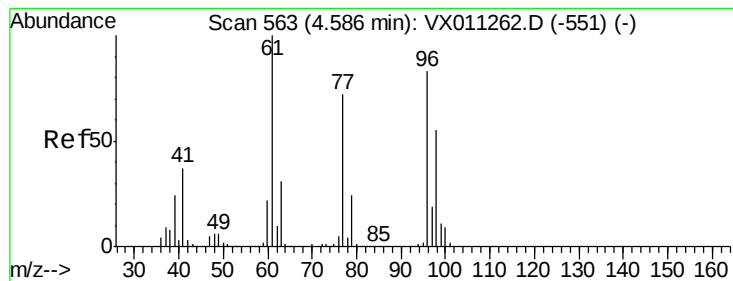
77 100

97 25.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0
Ion 96.90 (96.60 to 97.60): VX0



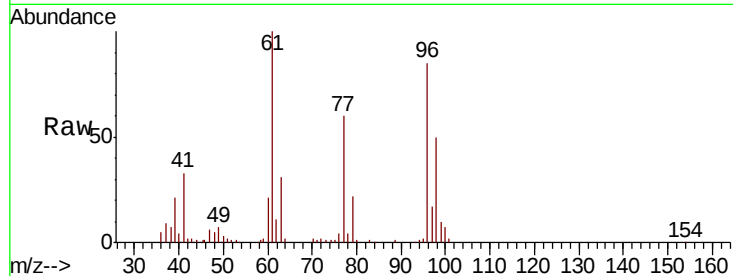


#27

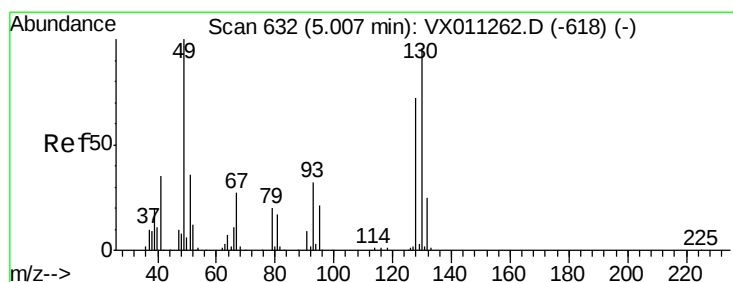
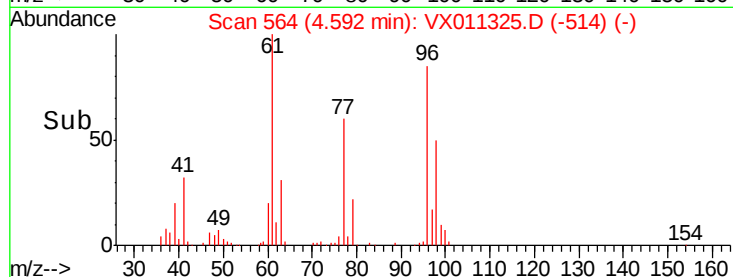
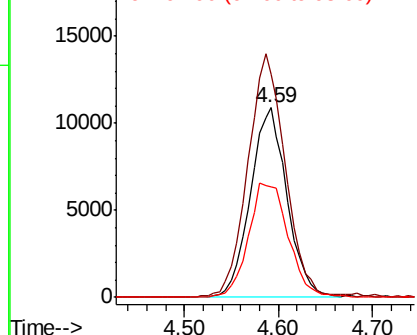
cis-1,2-Dichloroethene
Concen: 17.266 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 29728
Ion Ratio Lower Upper
96 100
61 131.1 0.0 260.2
98 65.2 0.0 133.2



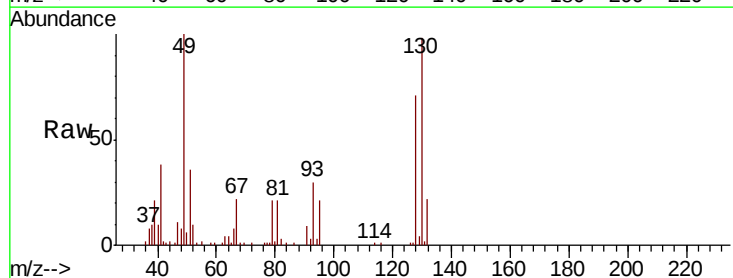
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



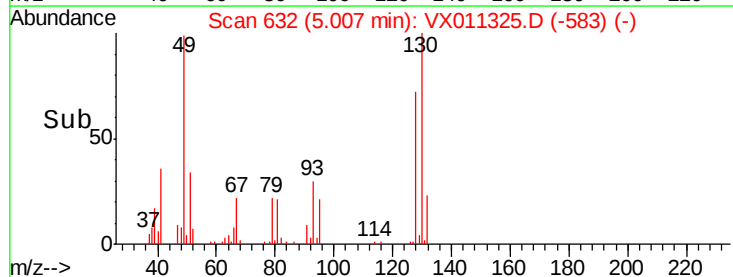
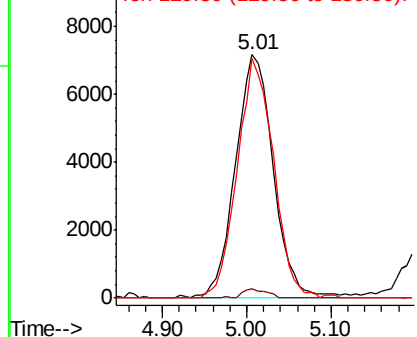
#28

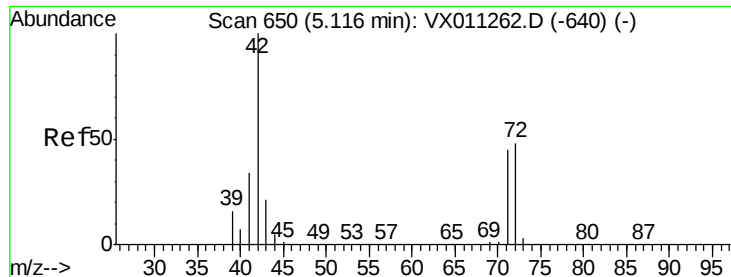
Bromochloromethane
Concen: 19.597 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 49 Resp: 21812
Ion Ratio Lower Upper
49 100
129 2.4 0.0 5.8
130 94.0 77.9 116.9



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

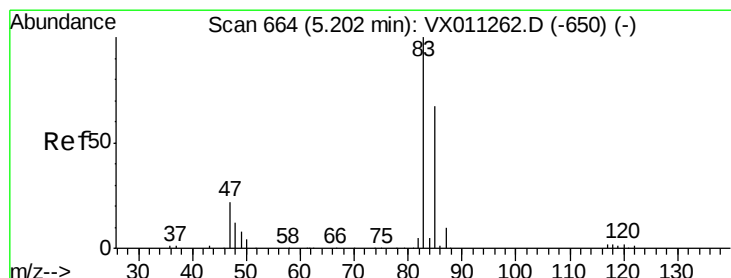
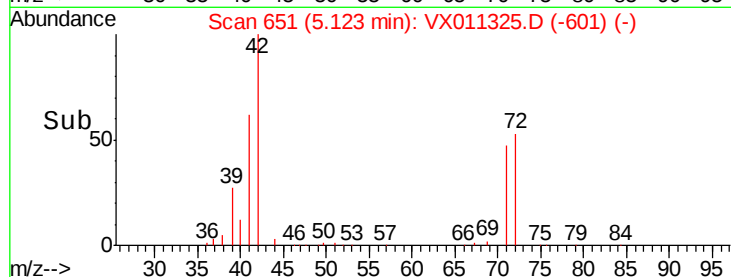
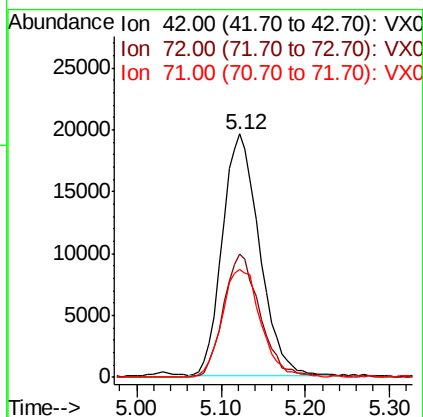
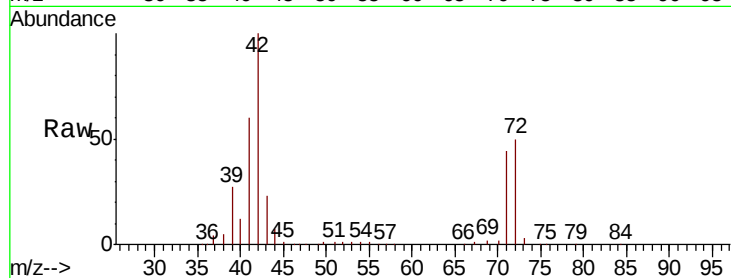




#29
Tetrahydrofuran
Concen: 90.732 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

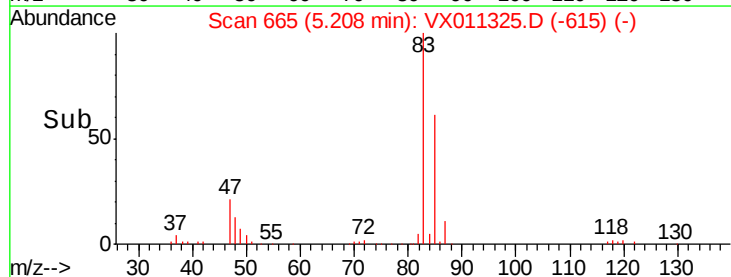
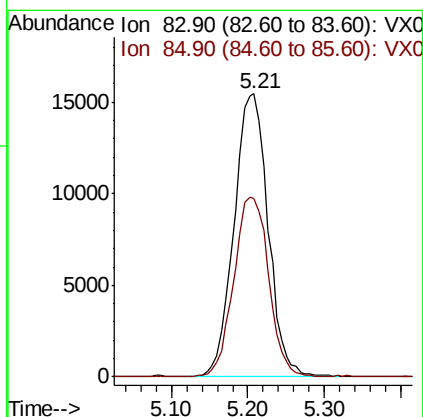
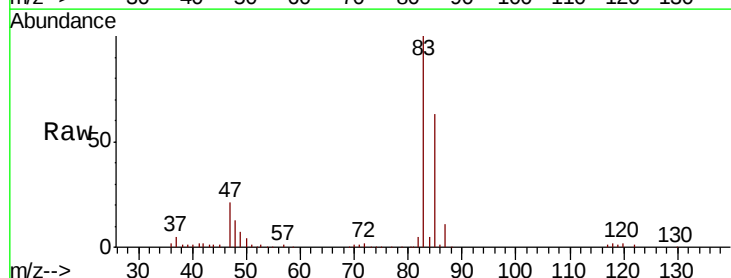
Instrument :
MSVOA_X
ClientSampleId :

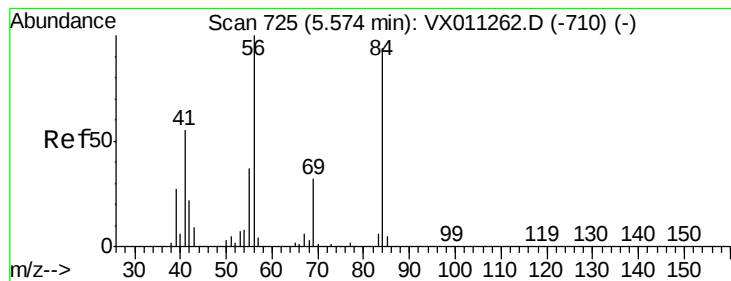
Tot Ion: 42 Resp: 58916
Ion Ratio Lower Upper
42 100
72 50.6 39.9 59.9
71 46.4 36.9 55.3



#30
Chloroform
Concen: 17.962 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 83 Resp: 47663
Ion Ratio Lower Upper
83 100
85 63.2 53.4 80.0





#31

Cyclohexane

Concen: 17.002 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :

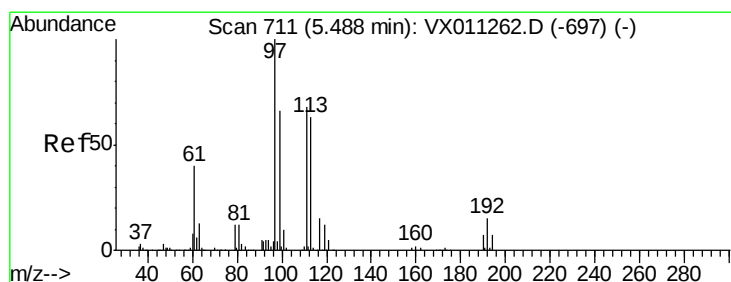
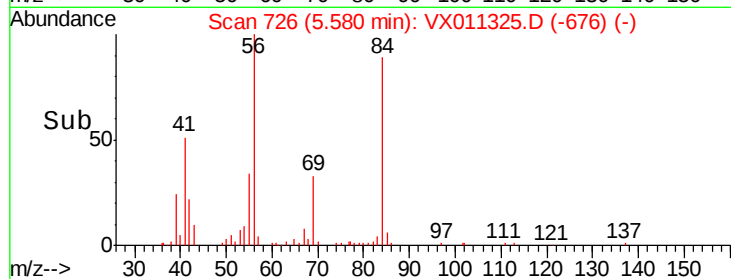
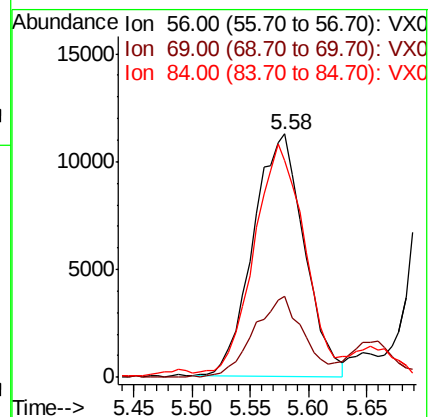
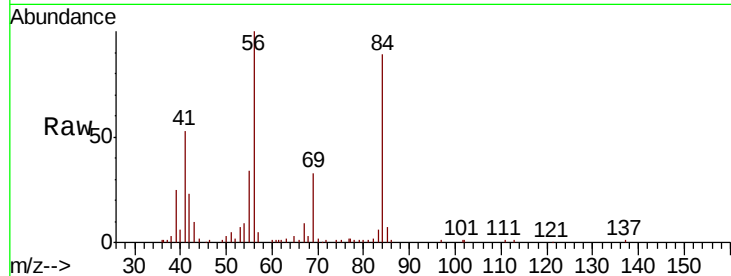
Tot Ion: 56 Resp: 34246

Ion Ratio Lower Upper

56 100

69 32.7 25.5 38.3

84 87.0 75.0 112.4



#32

1,1,1-Trichloroethane

Concen: 17.656 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

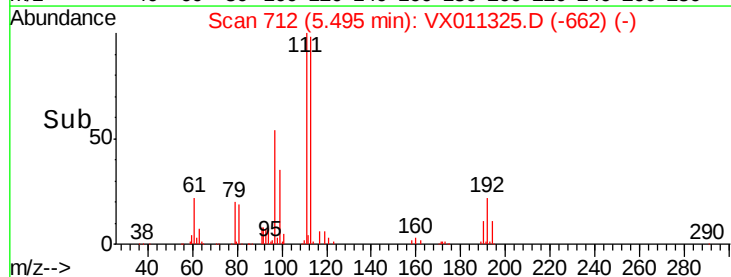
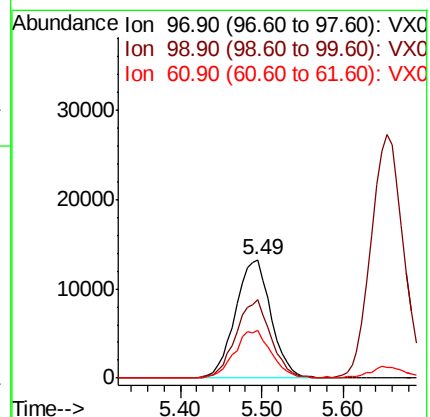
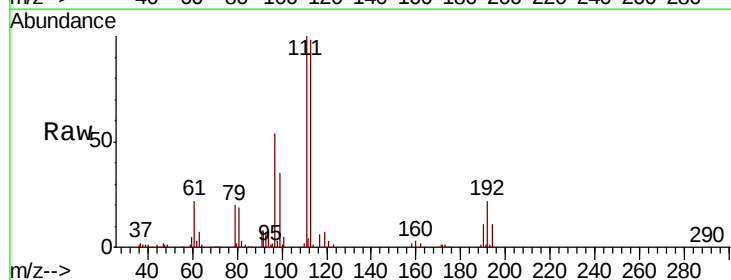
Tgt Ion: 97 Resp: 40134

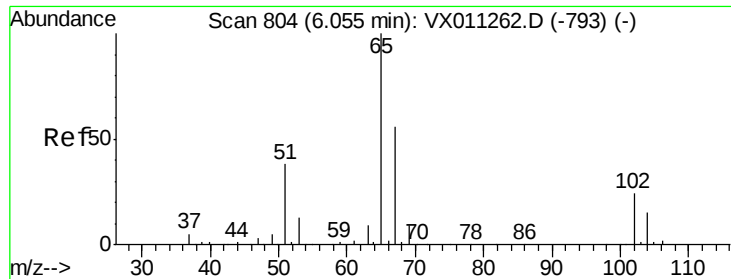
Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

61 41.5 32.3 48.5

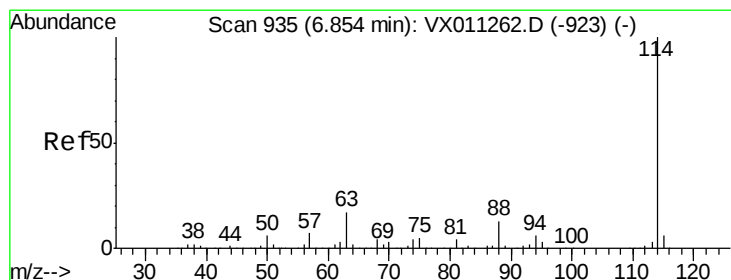
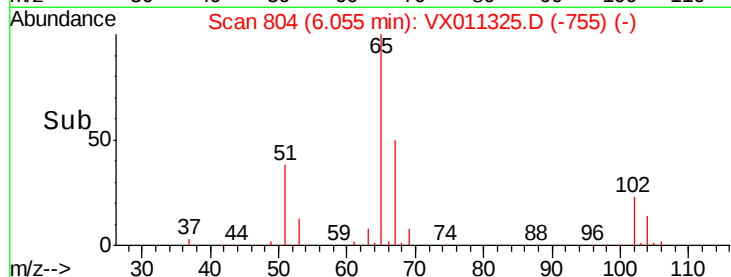
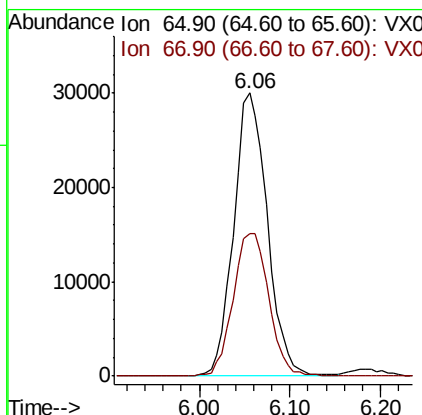
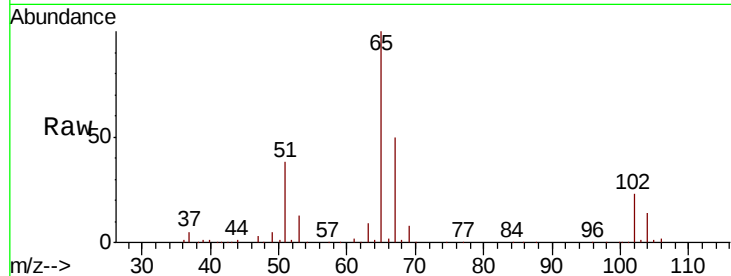




#33
 1,2-Dichloroethane-d4
 Concen: 49.305 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

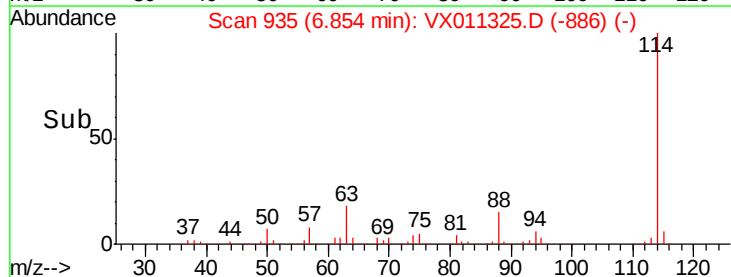
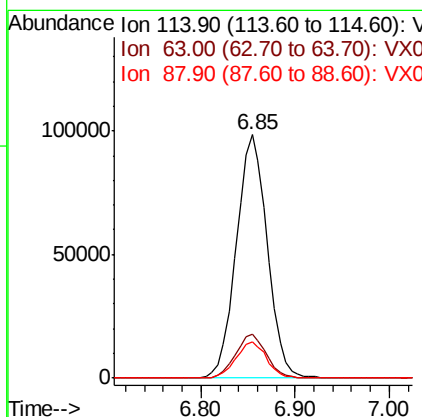
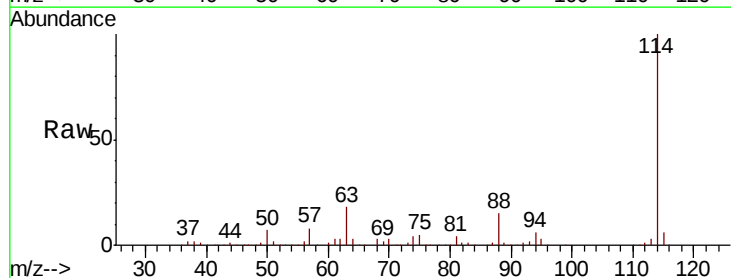
Instrument :
 MSVOA_X
 ClientSampleId :

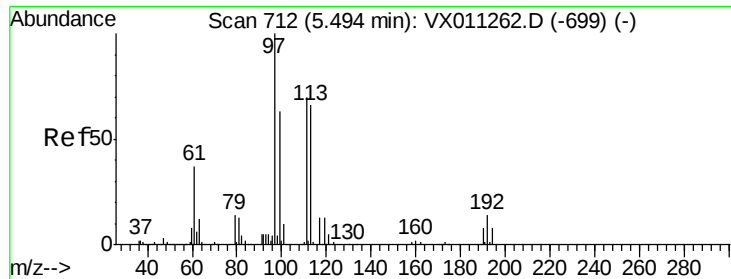
Tot Ion: 65 Resp: 77118
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion: 114 Resp: 225636
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.0
 88 14.7 0.0 26.4

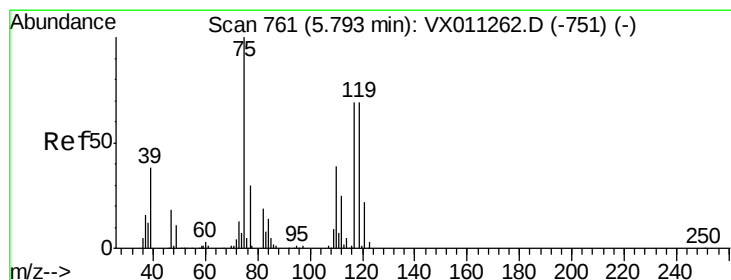
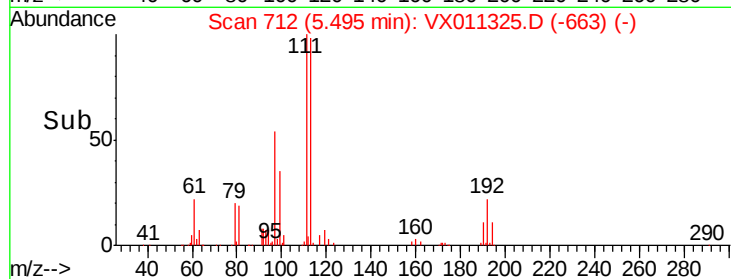
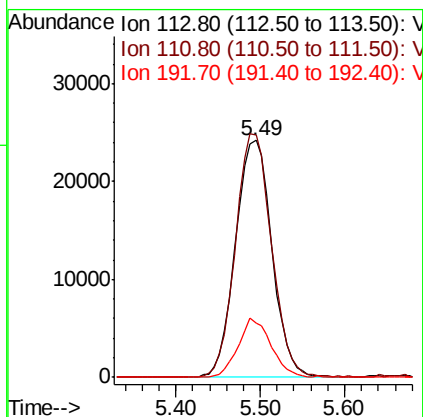
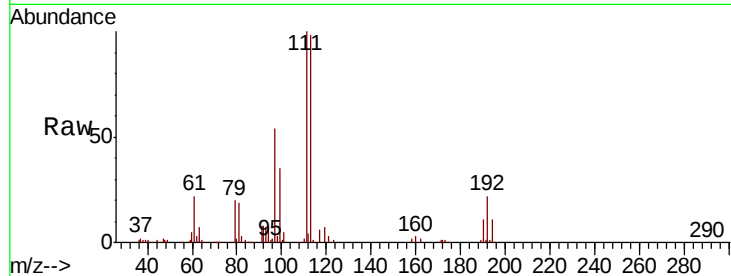




#35
 Dibromofluoromethane
 Concen: 48.123 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

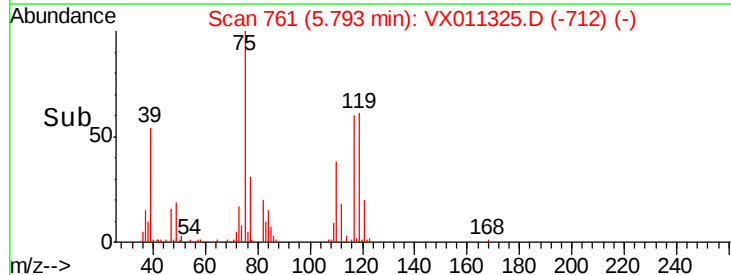
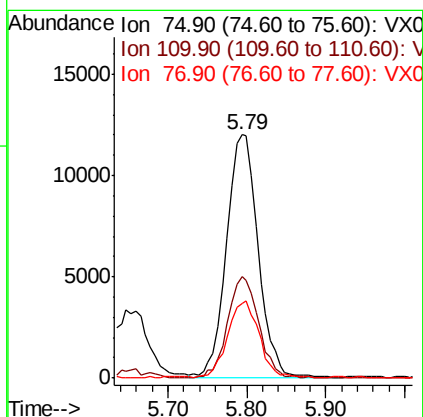
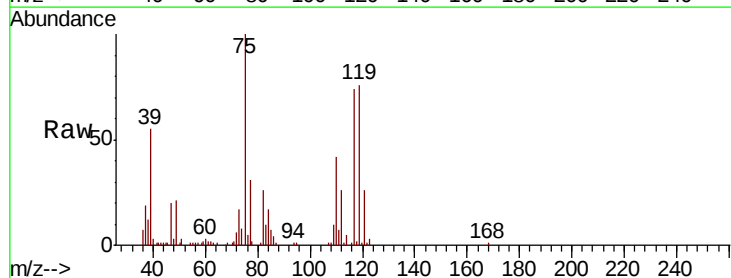
Instrument :
 MSVOA_X
 ClientSampleId :

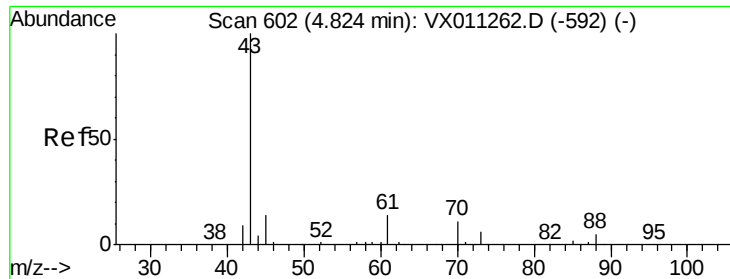
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.9	122.9
192	22.4	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 17.137 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.6	20.0	59.9
77	31.6	24.8	37.2

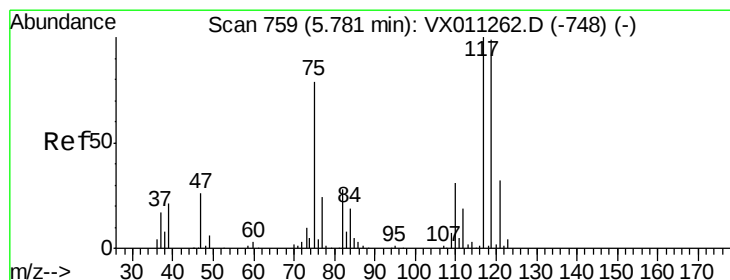
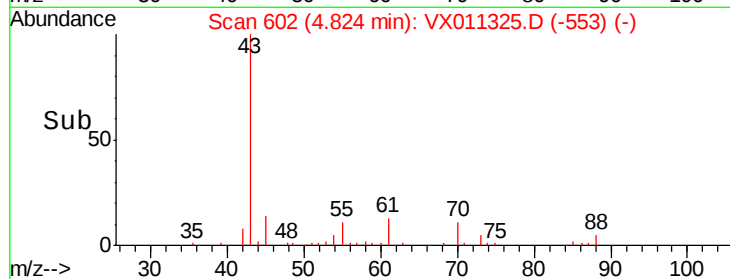
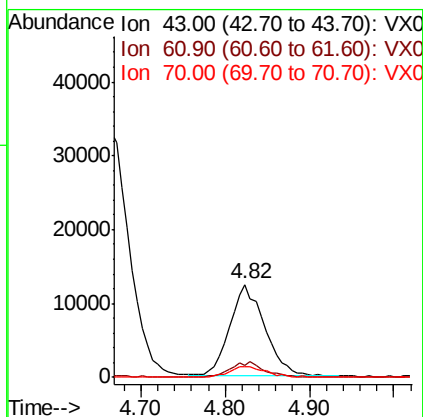
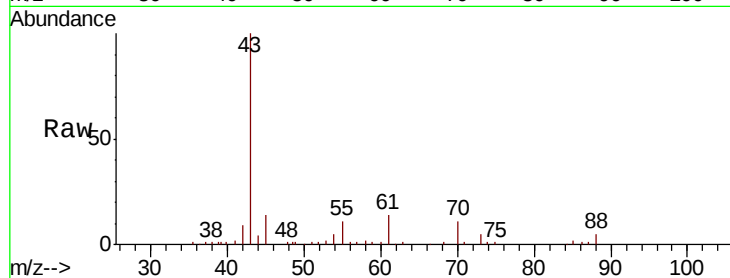




#37
Ethyl Acetate
Concen: 17.829 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

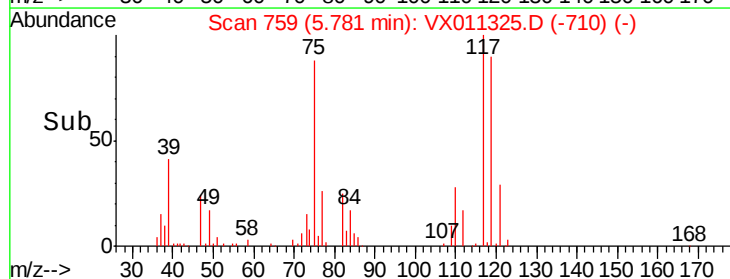
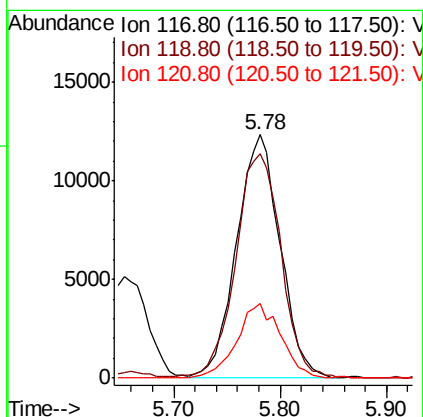
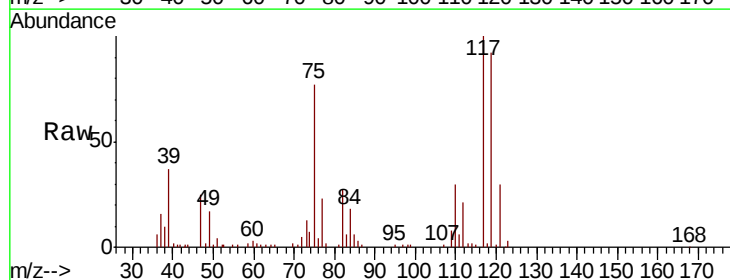
Instrument :
MSVOA_X
ClientSampleId :

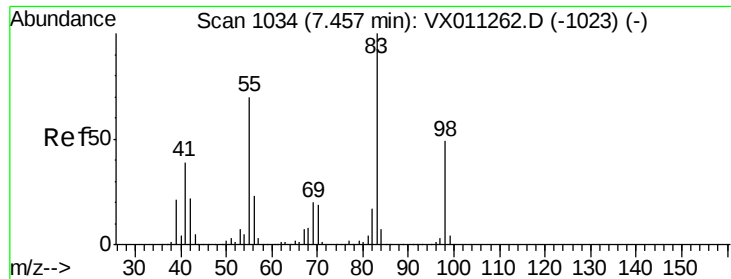
Tot Ion: 43 Resp: 35232
Ion Ratio Lower Upper
43 100
61 17.0 12.6 18.8
70 12.0 9.1 13.7



#38
Carbon Tetrachloride
Concen: 17.823 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 117 Resp: 35324
Ion Ratio Lower Upper
117 100
119 92.4 79.0 118.4
121 30.4 25.9 38.9

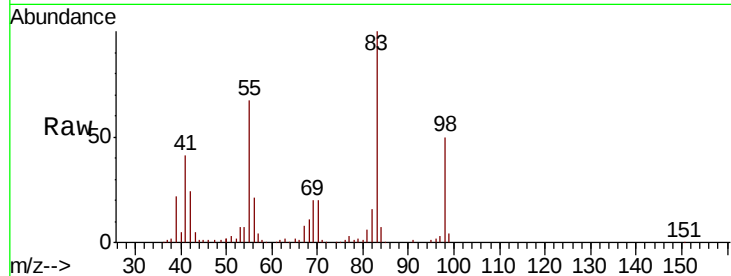




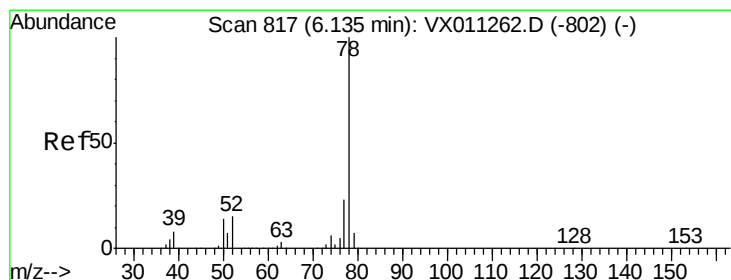
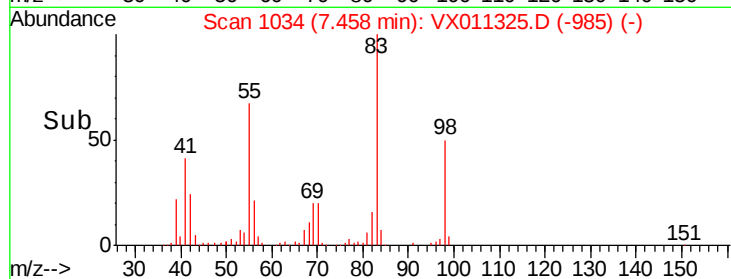
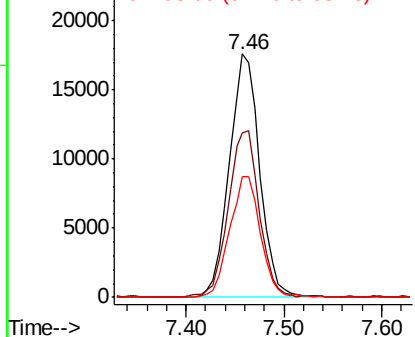
#39
Methvlcvclohexane
Concen: 16.192 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 37811
Ion Ratio Lower Upper
83 100
55 67.2 56.1 84.1
98 49.7 39.0 58.4

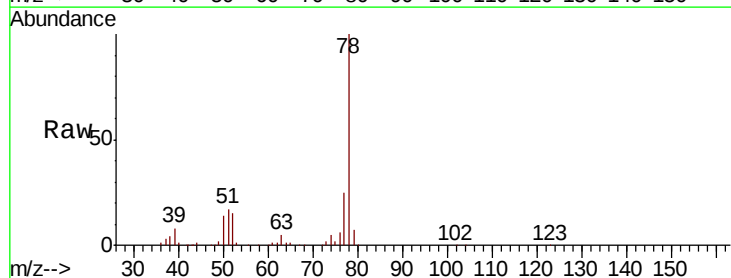


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

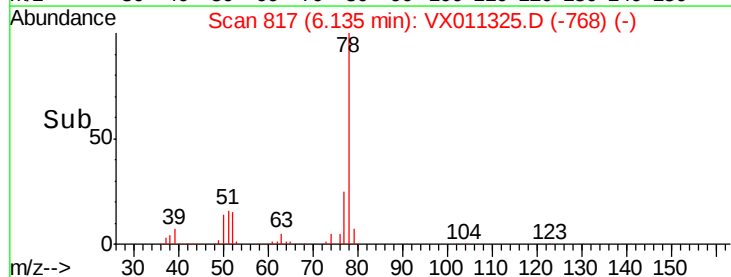
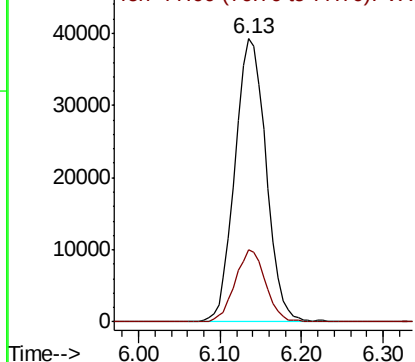


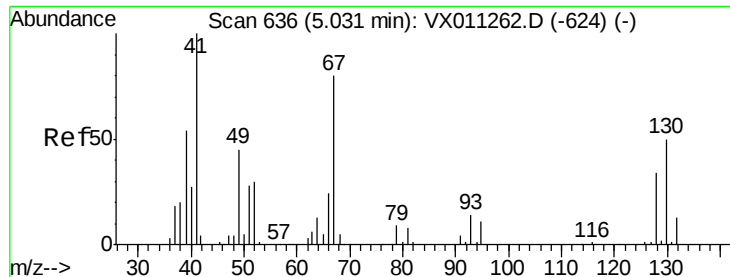
#40
Benzene
Concen: 17.685 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 78 Resp: 103962
Ion Ratio Lower Upper
78 100
77 25.5 18.2 27.2



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





#41

Methacrylonitrile

Concen: 17.096 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 18450

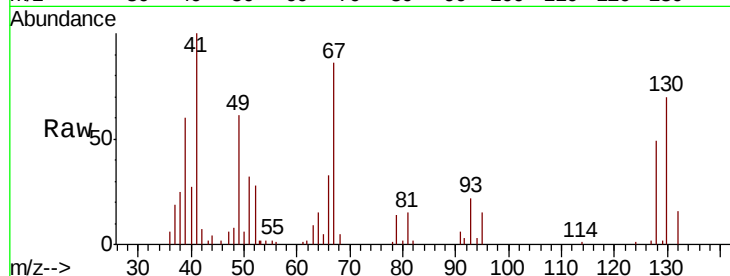
Ion Ratio Lower Upper

41 100

39 57.2 43.0 64.6

67 83.9 65.1 97.7

52 31.5 24.8 37.2

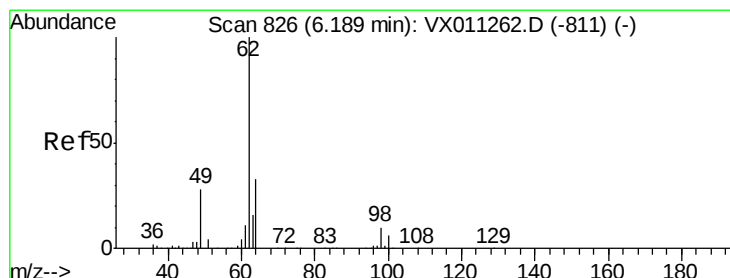
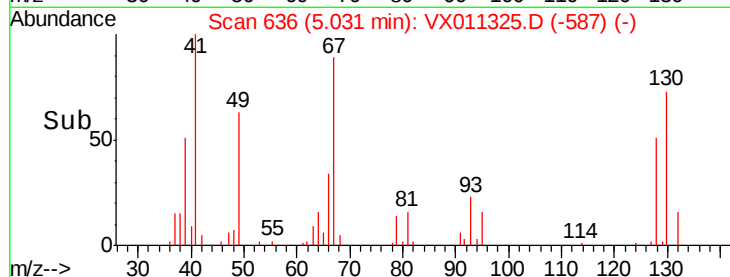
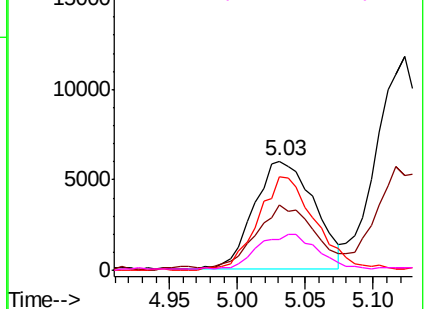


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.333 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011325.D

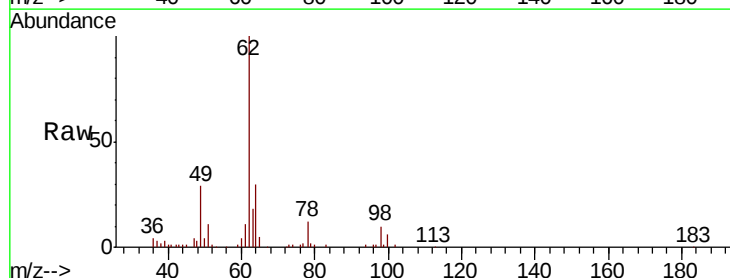
Acq: 05 Aug 2019 12:47

Tgt Ion: 62 Resp: 36443

Ion Ratio Lower Upper

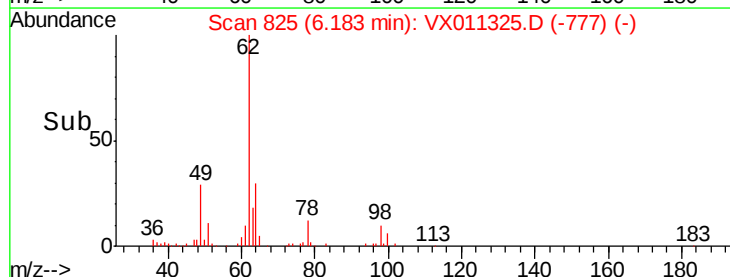
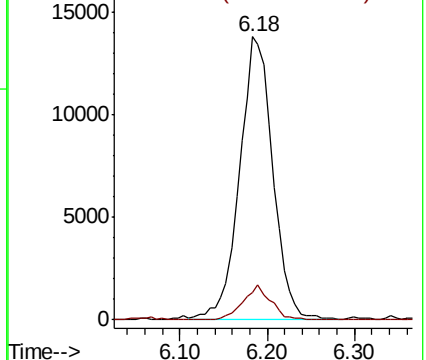
62 100

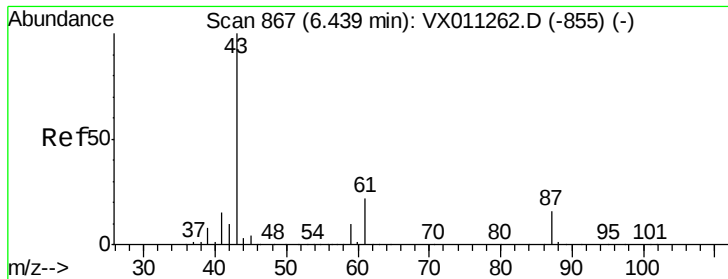
98 10.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



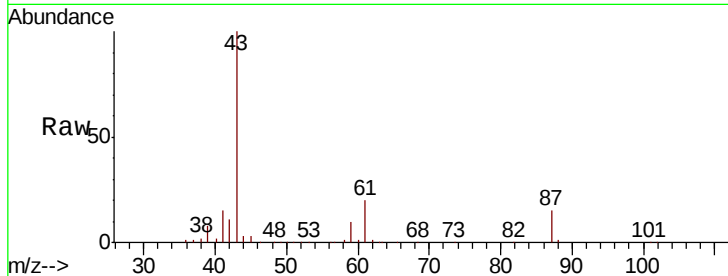


#43

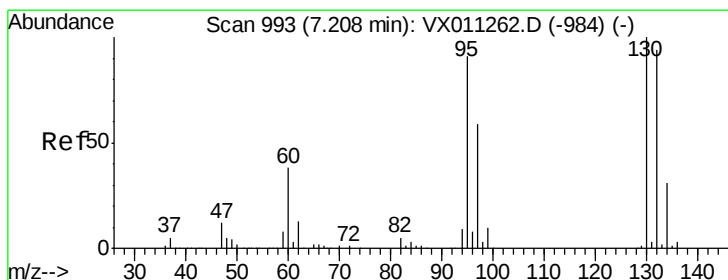
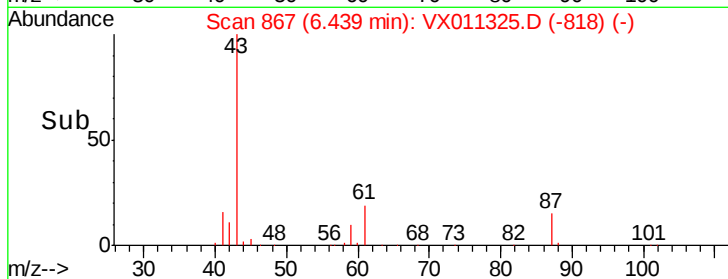
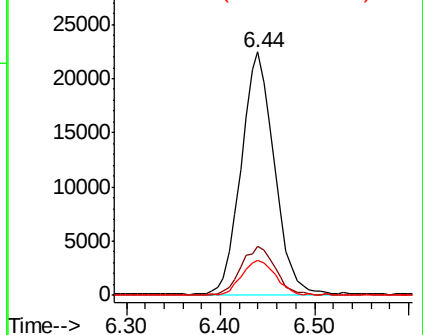
Isopropyl Acetate
 Concen: 17.231 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 54438
 Ion Ratio Lower Upper
 43 100
 61 21.4 16.5 24.7
 87 15.3 12.1 18.1



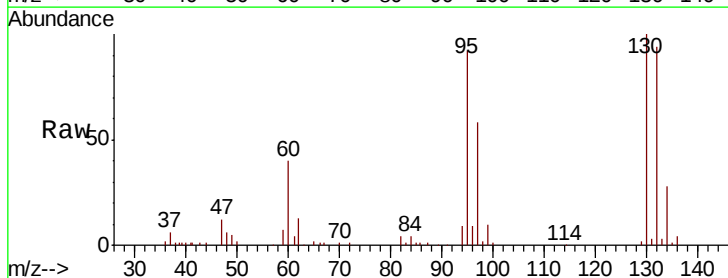
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



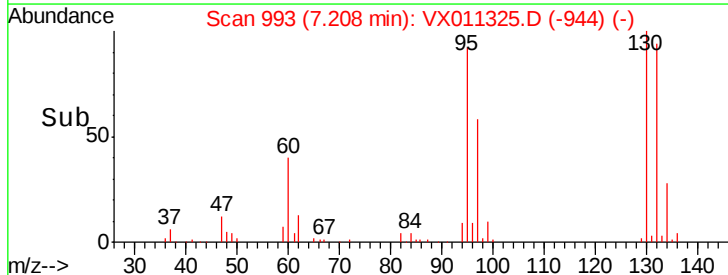
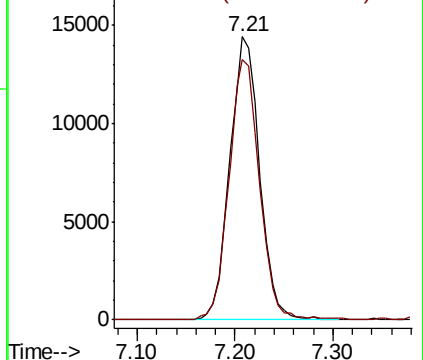
#44

Trichloroethene
 Concen: 17.092 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion:130 Resp: 30414
 Ion Ratio Lower Upper
 130 100
 95 92.1 0.0 182.6



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

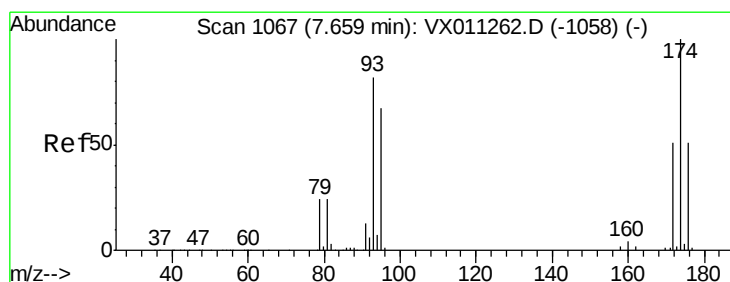
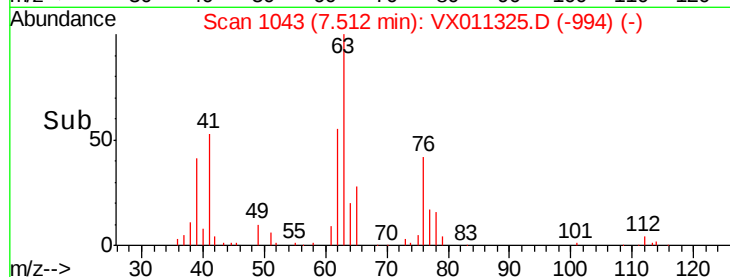
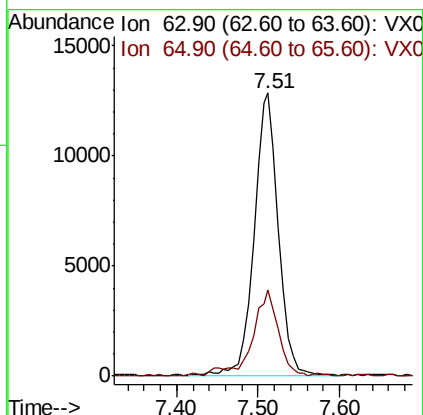
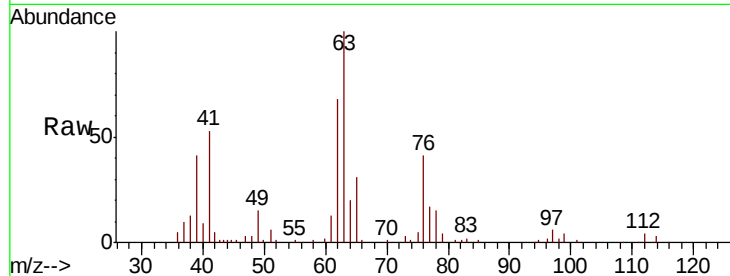




#45
 1,2-Dichloropropane
 Concen: 17.571 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

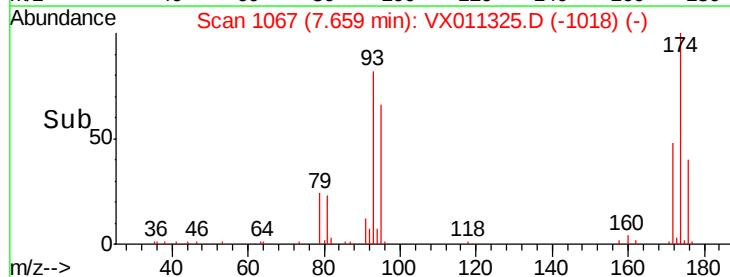
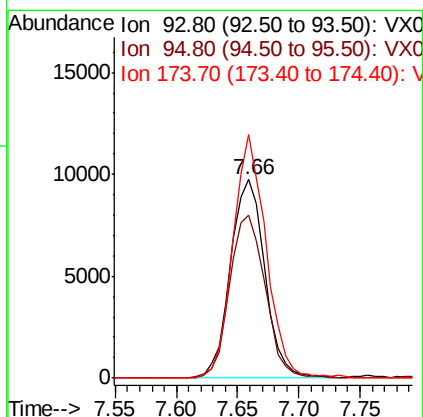
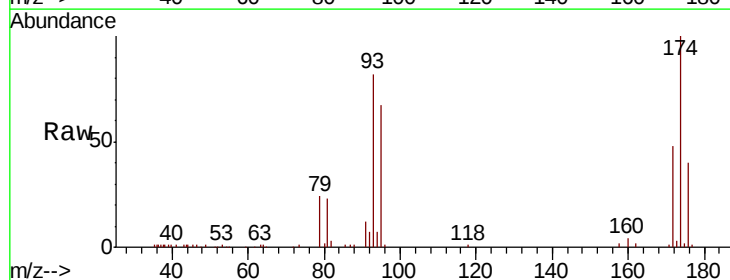
Instrument :
 MSVOA_X
 ClientSampled :

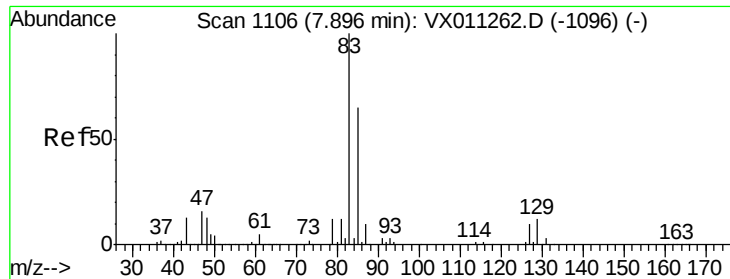
Tot Ion: 63 Resp: 26752
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.3 34.9



#46
 Dibromomethane
 Concen: 17.082 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion: 93 Resp: 18985
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.4 99.6
 174 117.1 93.4 140.2





#47

Bromodichloromethane

Concen: 17.654 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

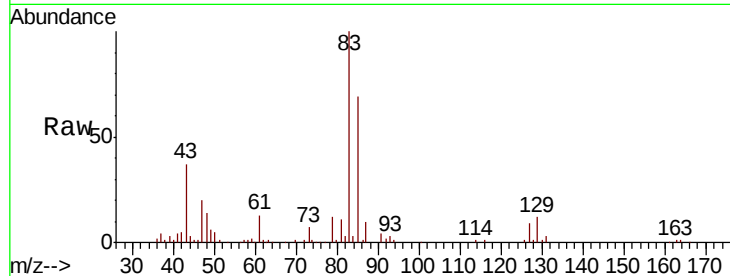
Tot Ion: 83 Resp: 33220

Ion Ratio Lower Upper

83 100

85 68.9 52.2 78.2

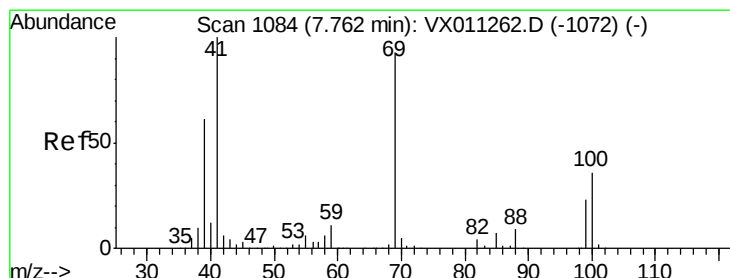
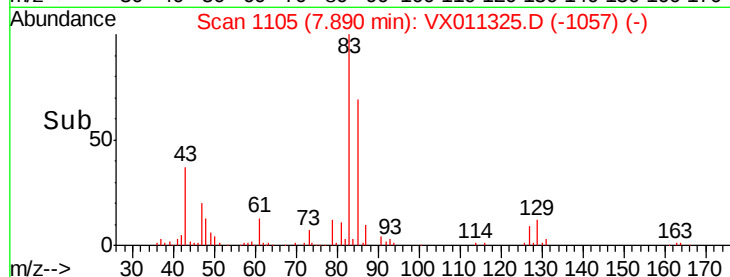
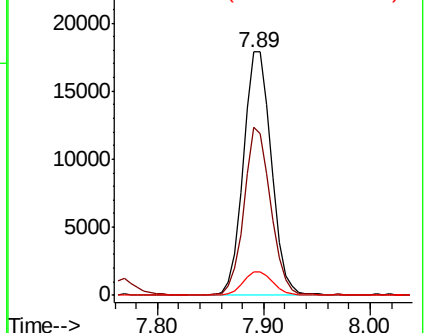
127 9.5 7.8 11.8



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: 17.624 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

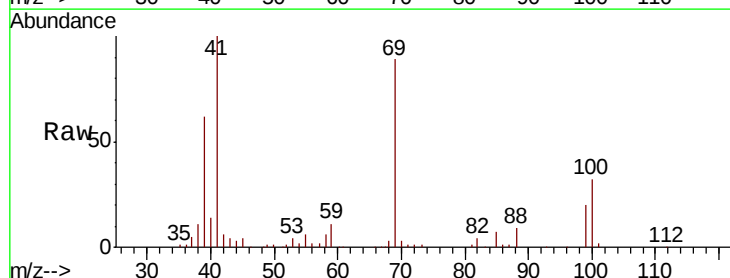
Tgt Ion: 41 Resp: 26204

Ion Ratio Lower Upper

41 100

69 94.1 74.5 111.7

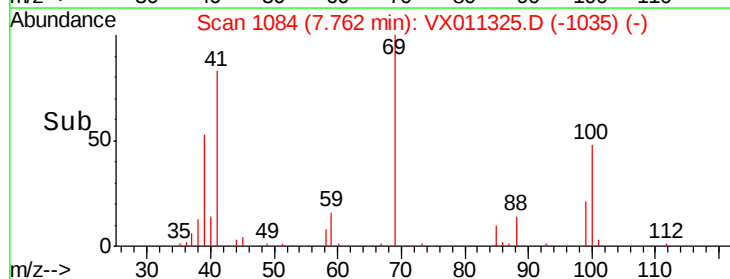
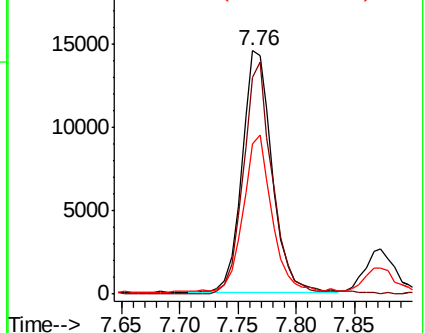
39 63.8 48.6 72.8

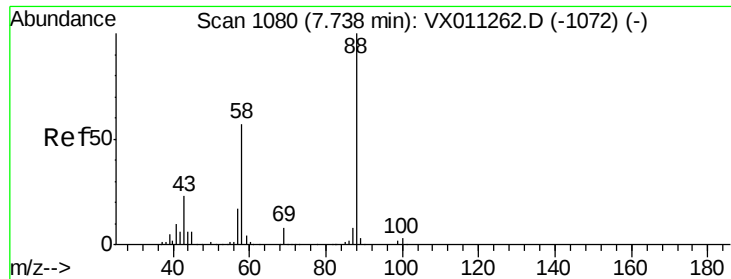


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

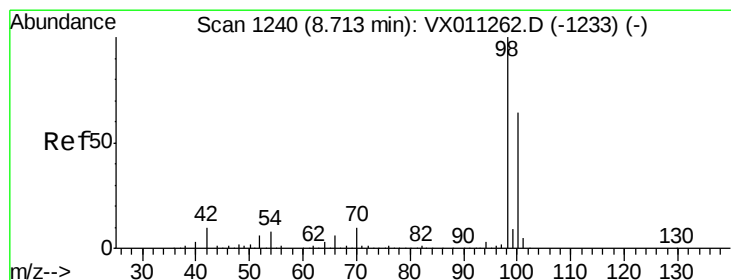
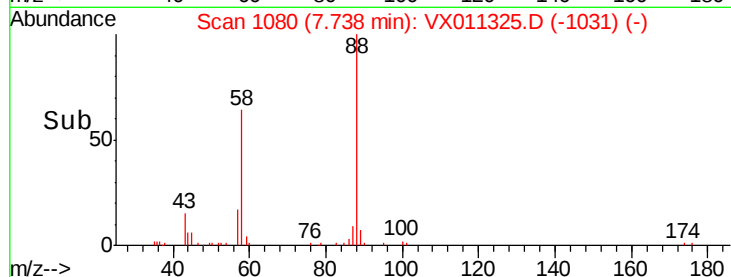
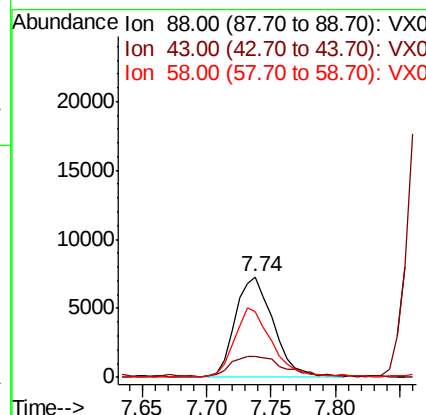
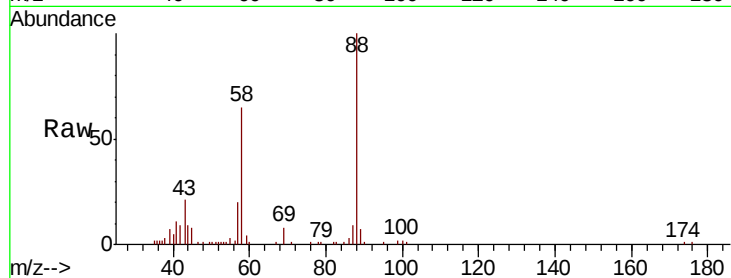




#49
 1,4-Dioxane
 Concen: 347.929 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

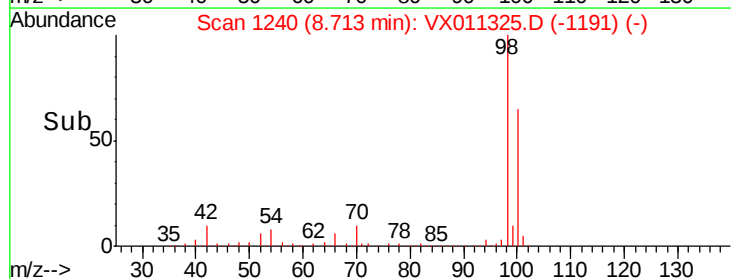
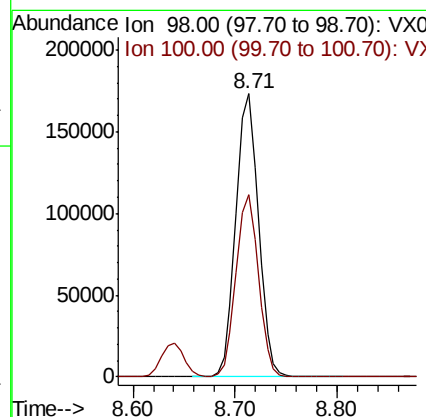
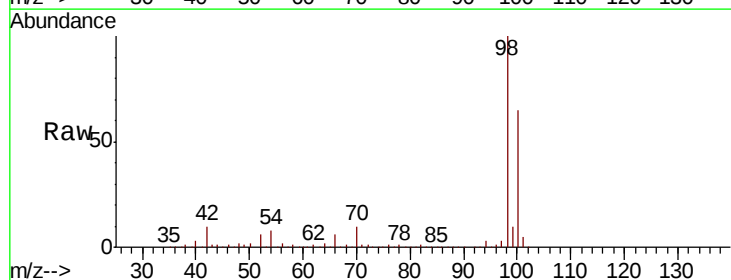
Instrument :
 MSVOA_X
 ClientSampleId :

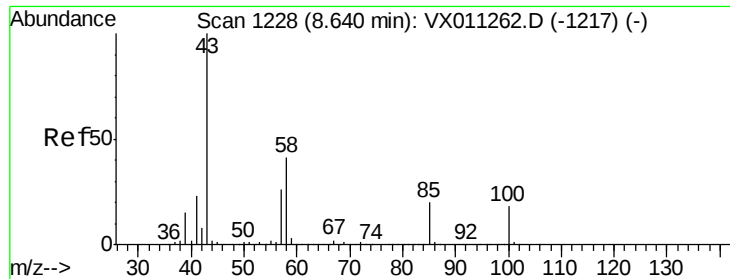
Tot Ion: 88 Resp: 14997
 Ion Ratio Lower Upper
 88 100
 43 27.7 22.2 33.2
 58 67.2 47.8 71.8



#50
 Toluene-d8
 Concen: 47.817 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion: 98 Resp: 265893
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 93.317 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

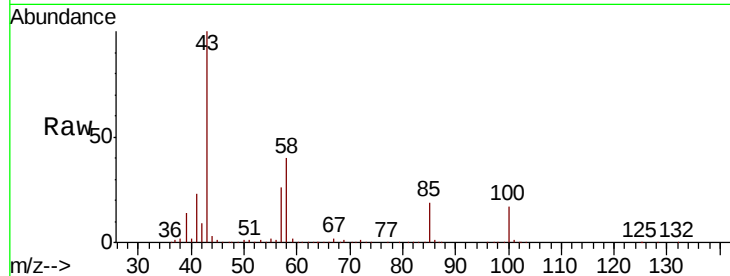
ClientSampled :

Tot Ion: 43 Resp: 190263

Ion Ratio Lower Upper

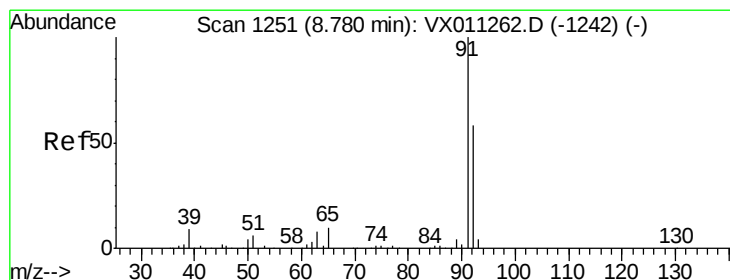
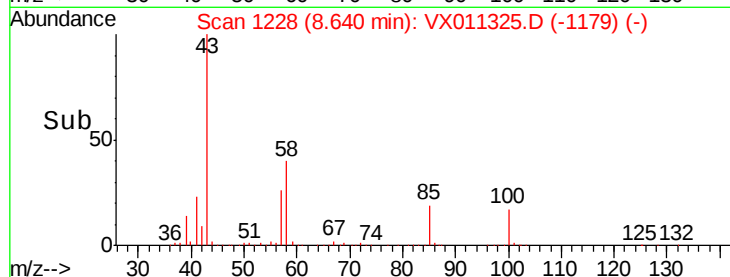
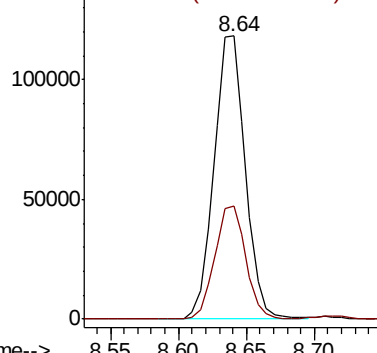
43 100

58 39.8 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.662 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011325.D

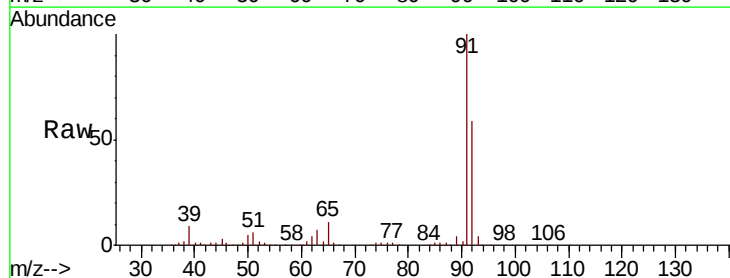
Acq: 05 Aug 2019 12:47

Tgt Ion: 92 Resp: 68647

Ion Ratio Lower Upper

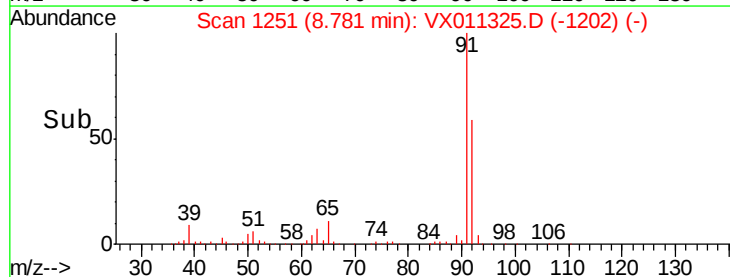
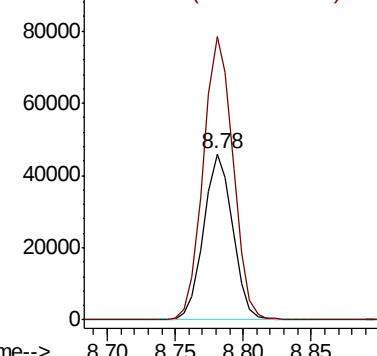
92 100

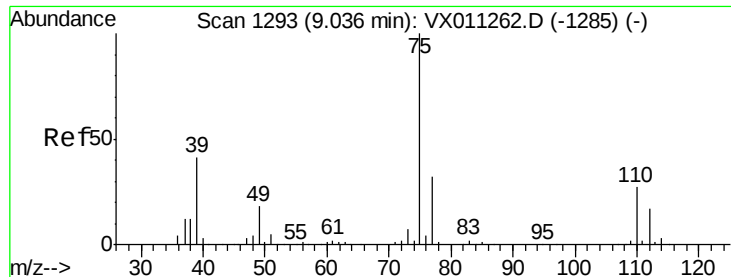
91 175.2 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

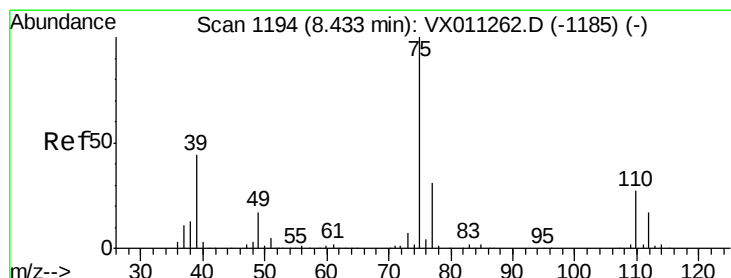
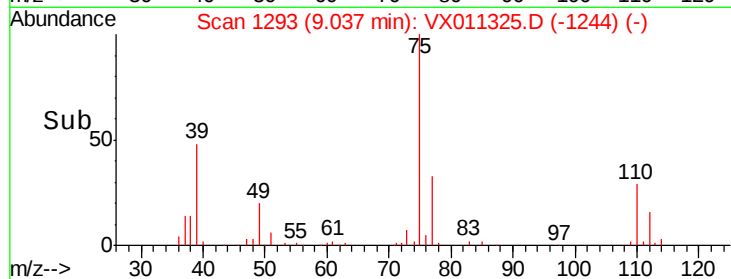
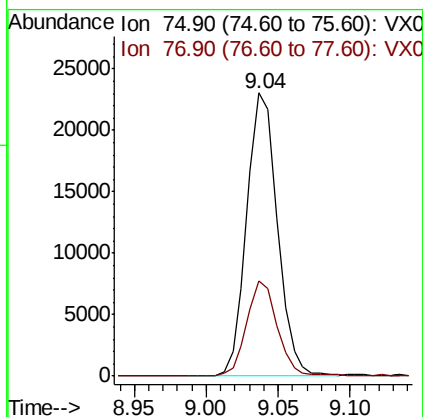
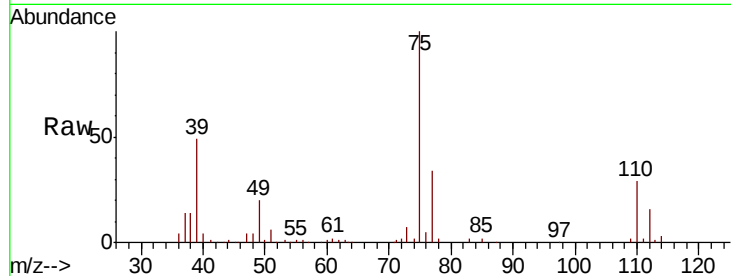




#53
t-1,3-Dichloropropene
Concen: 17.502 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

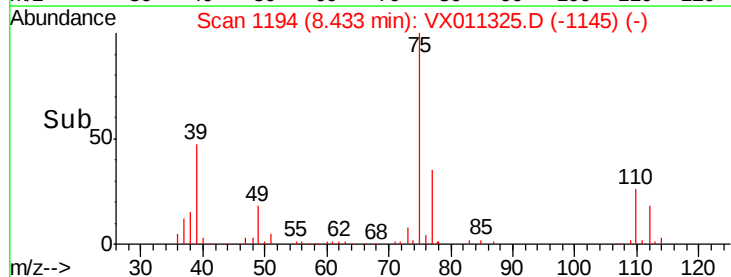
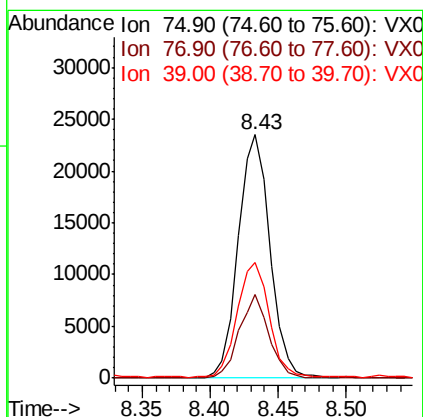
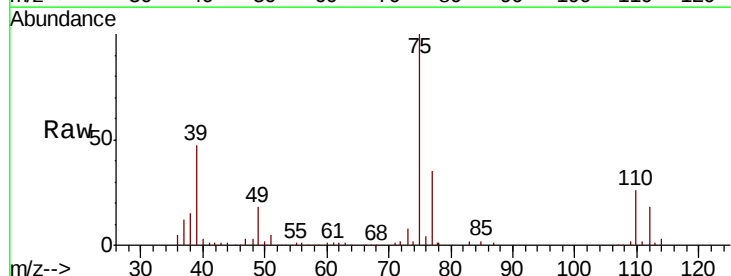
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 34068
Ion Ratio Lower Upper
75 100
77 33.9 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 17.449 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 75 Resp: 38354
Ion Ratio Lower Upper
75 100
77 34.5 25.0 37.6
39 47.1 35.3 52.9

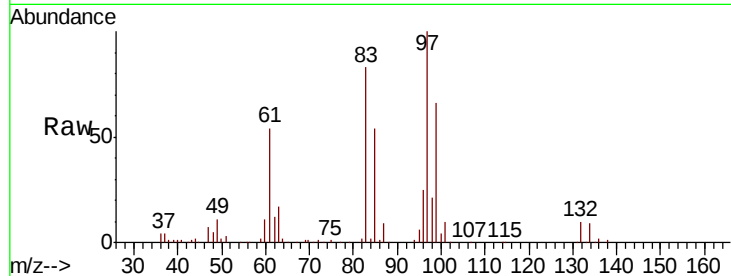




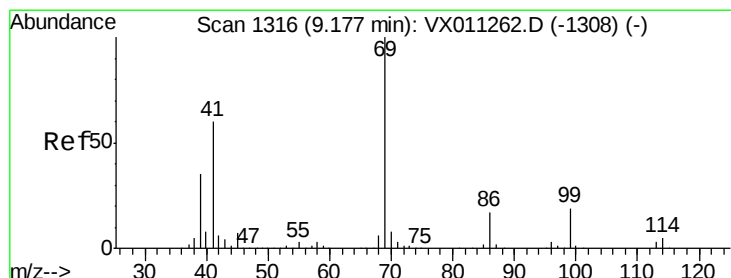
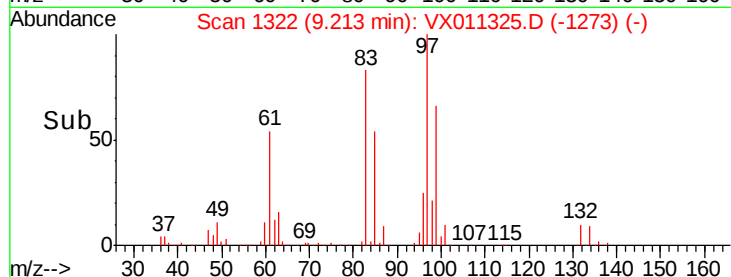
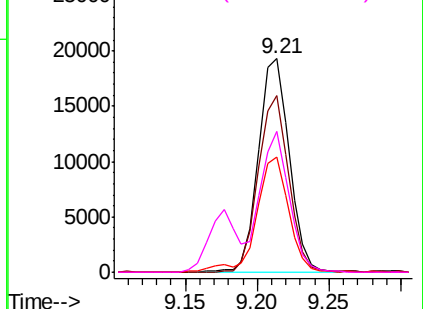
#55
 1,1,2-Trichloroethane
 Concen: 17.866 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:	97	Resp:	28552
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.6	101.4
85	53.9	43.4	65.0
99	65.5	49.6	74.4

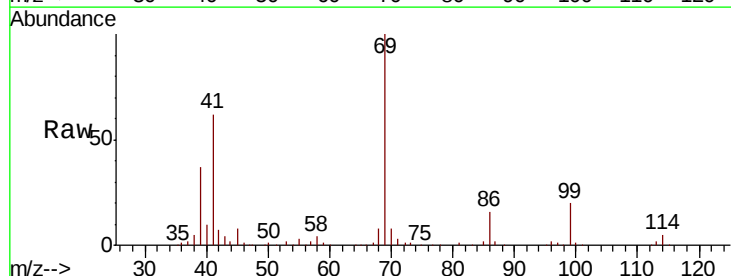


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

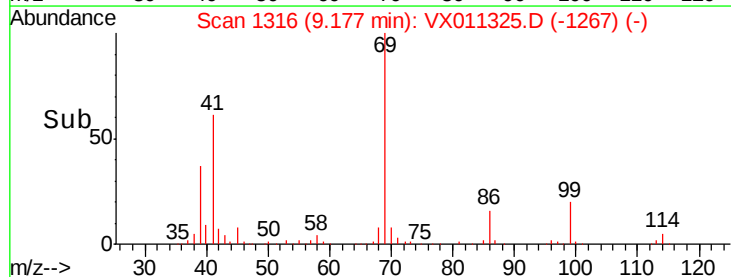
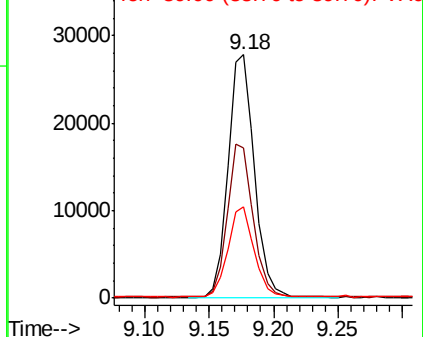


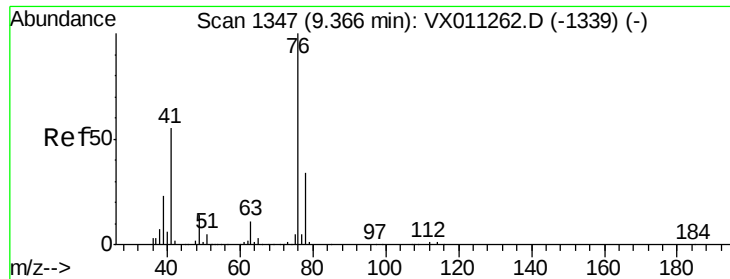
#56
 Ethyl methacrylate
 Concen: 17.610 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion:	69	Resp:	40104
Ion	Ratio	Lower	Upper
69	100		
41	62.5	48.6	73.0
39	37.0	29.4	44.2



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: 17.703 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

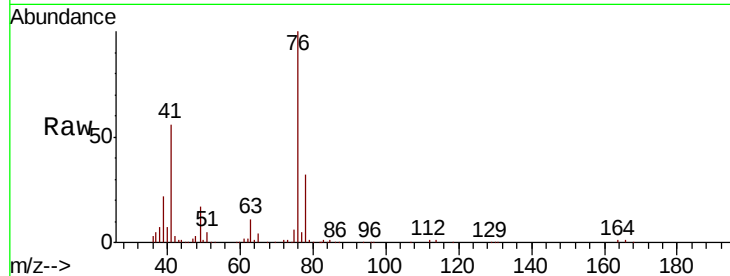
ClientSampleId :

Tot Ion: 76 Resp: 44741

Ion Ratio Lower Upper

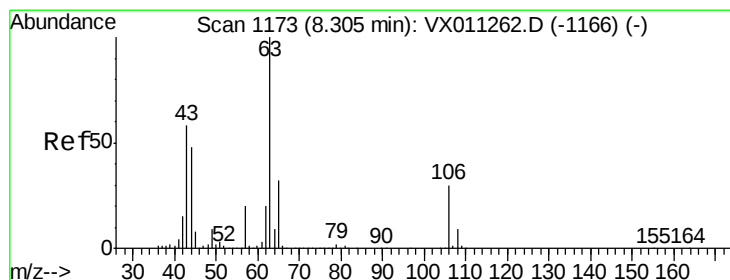
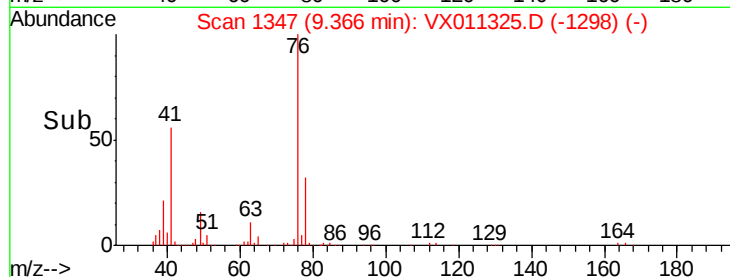
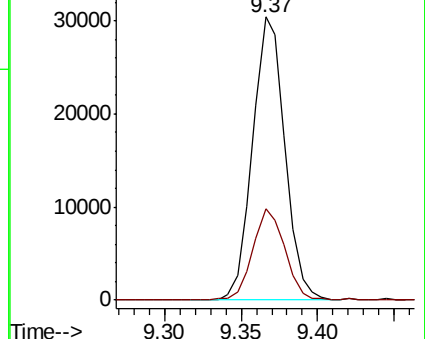
76 100

78 32.1 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 93.776 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011325.D

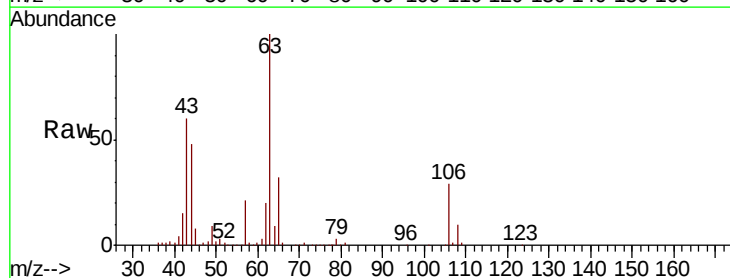
Acq: 05 Aug 2019 12:47

Tgt Ion: 63 Resp: 105006

Ion Ratio Lower Upper

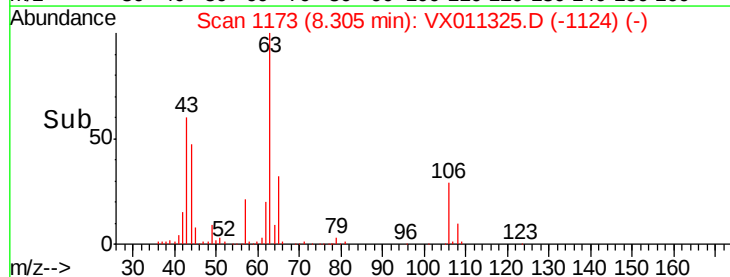
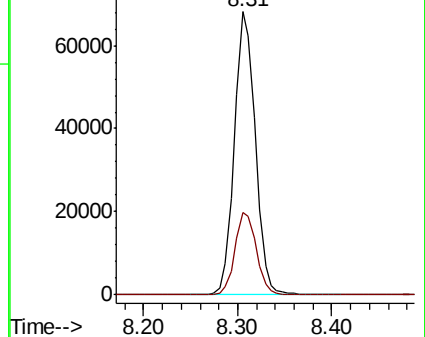
63 100

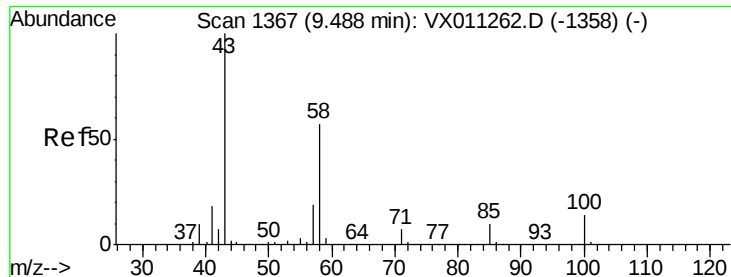
106 29.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

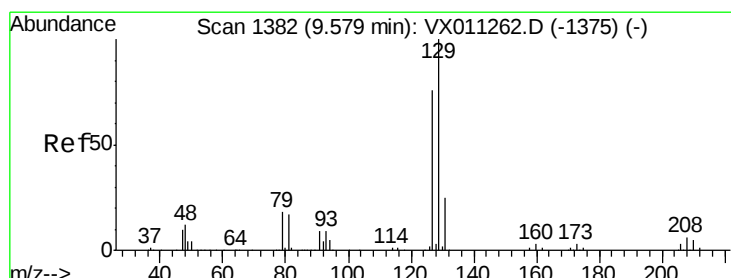
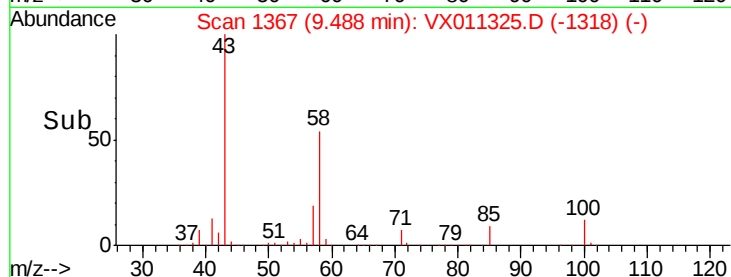
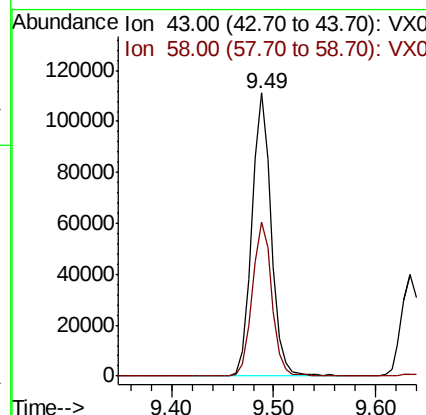
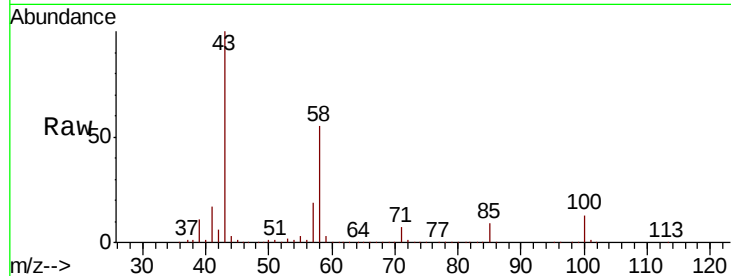




#59
2-Hexanone
Concen: 92.455 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

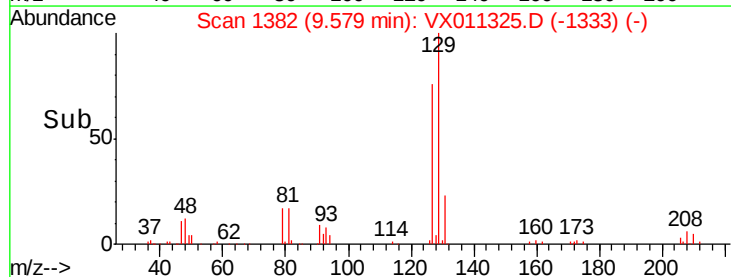
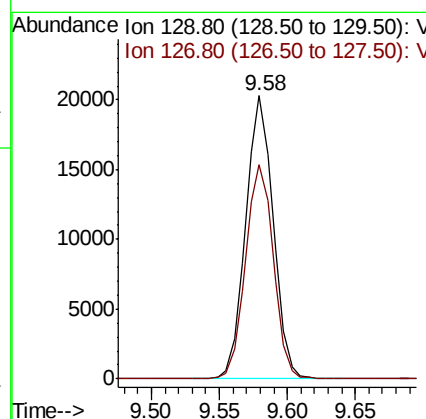
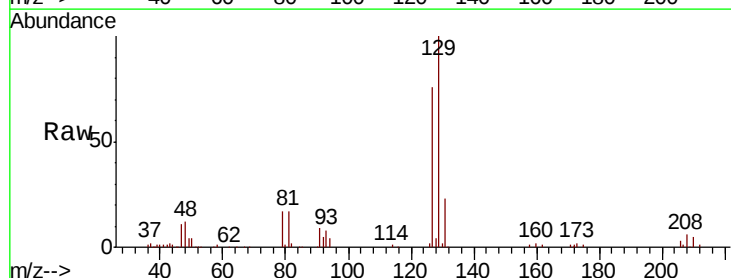
Instrument :
MSVOA_X
ClientSampleId :

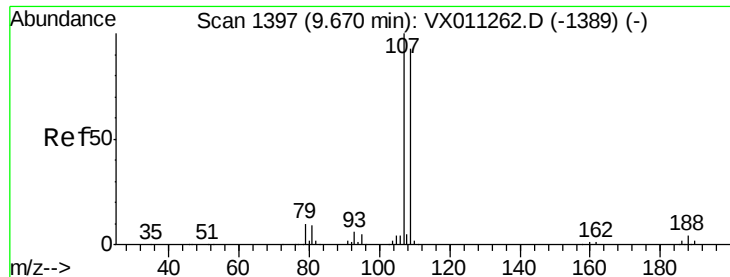
Tot Ion: 43 Resp: 146009
Ion Ratio Lower Upper
43 100
58 55.5 28.2 84.6



#60
Dibromochloromethane
Concen: 17.613 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 129 Resp: 28817
Ion Ratio Lower Upper
129 100
127 76.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 17.135 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

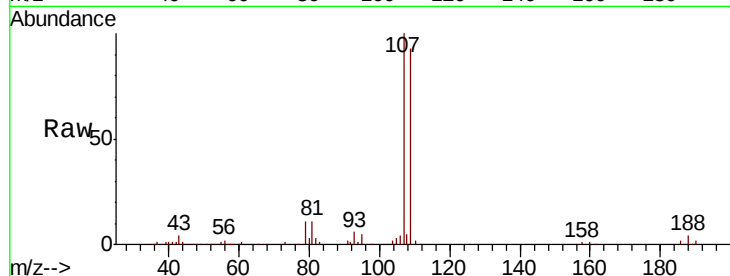
ClientSampleId :

Tot Ion:107 Resp: 29584

Ion Ratio Lower Upper

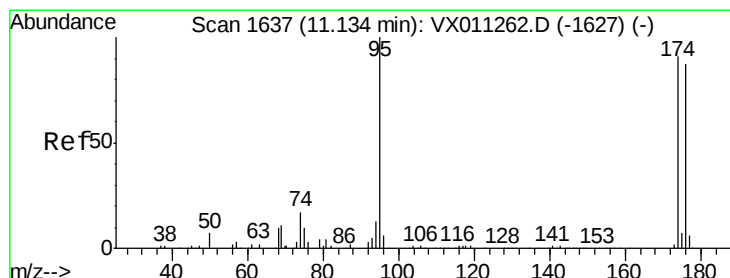
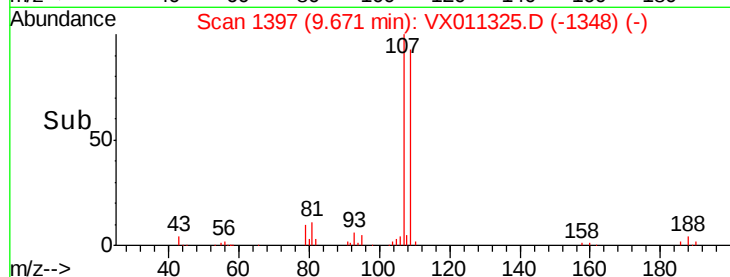
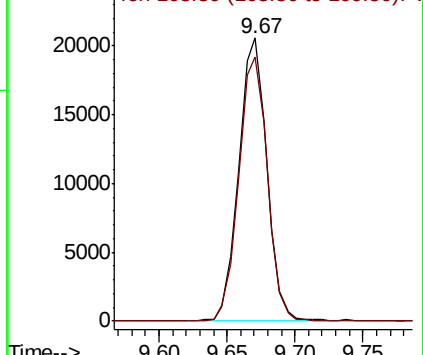
107 100

109 95.1 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.898 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

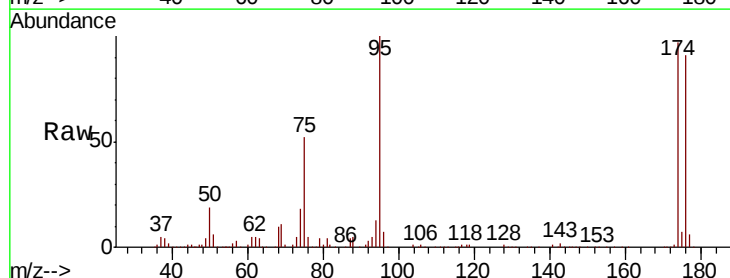
Tgt Ion: 95 Resp: 93107

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.2

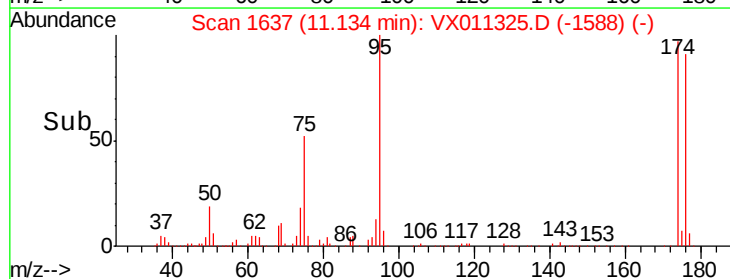
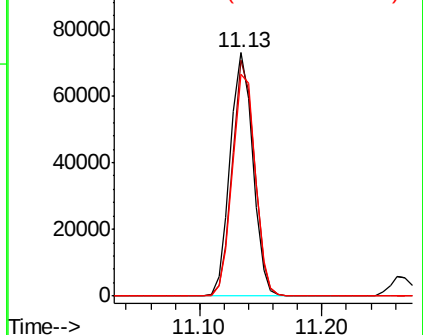
176 92.5 0.0 184.8

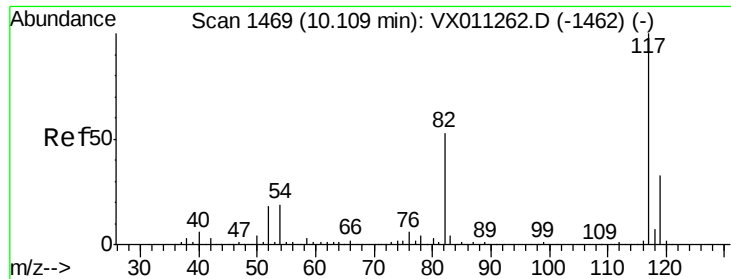


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

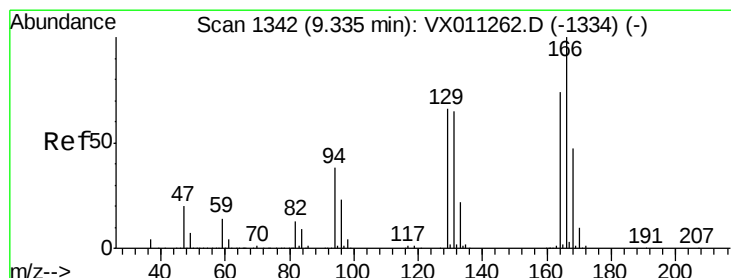
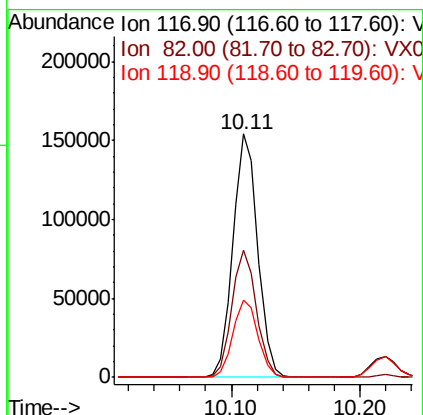
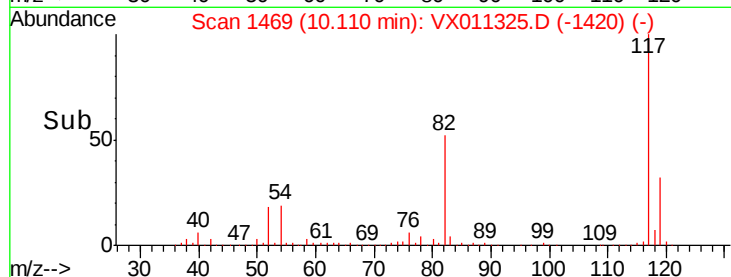
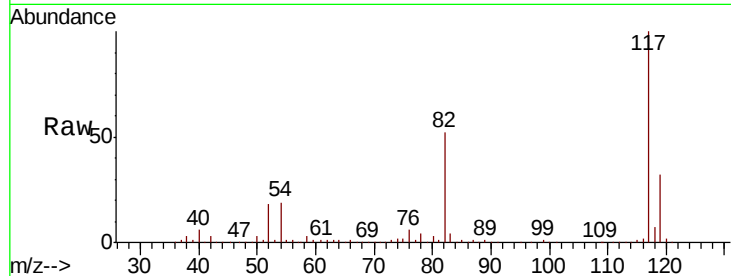




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

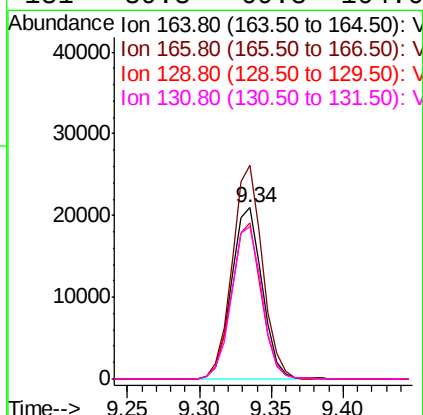
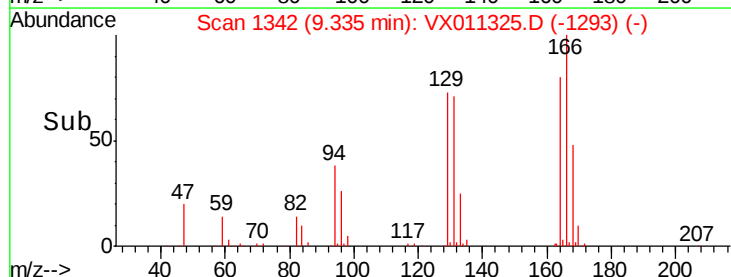
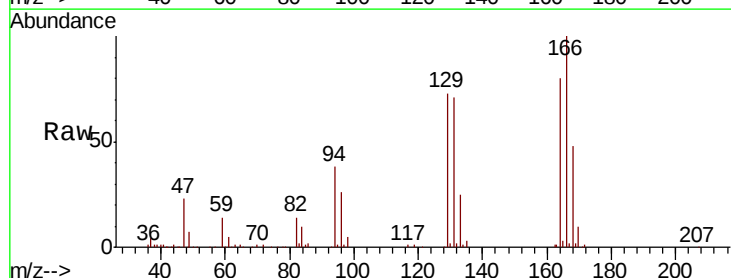
Instrument :
MSVOA_X
ClientSampleId :

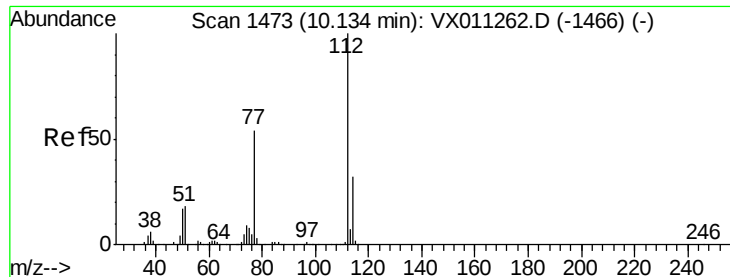
Tot Ion:117 Resp: 206393
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.2
119 31.9 26.6 39.8



#64
Tetrachloroethene
Concen: 17.863 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion:164 Resp: 31309
Ion Ratio Lower Upper
164 100
166 124.9 107.5 161.3
129 91.7 71.0 106.4
131 89.3 69.8 104.6





#65

Chlorobenzene

Concen: 17.711 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

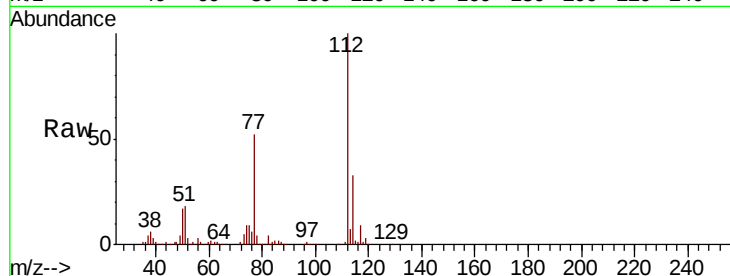
ClientSampleId :

Tot Ion:112 Resp: 78376

Ion Ratio Lower Upper

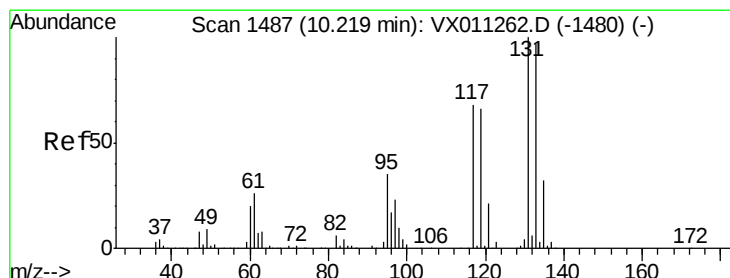
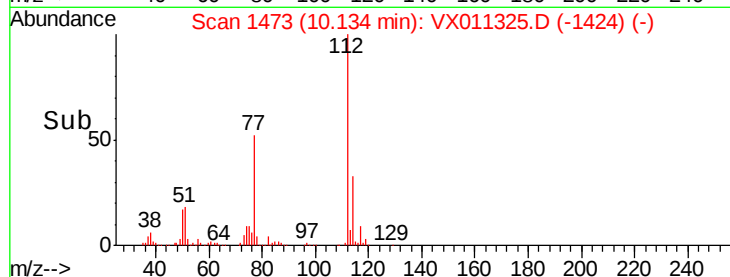
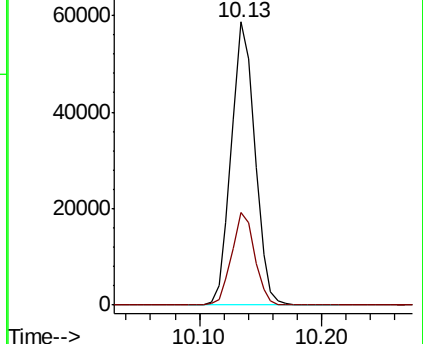
112 100

114 32.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.163 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

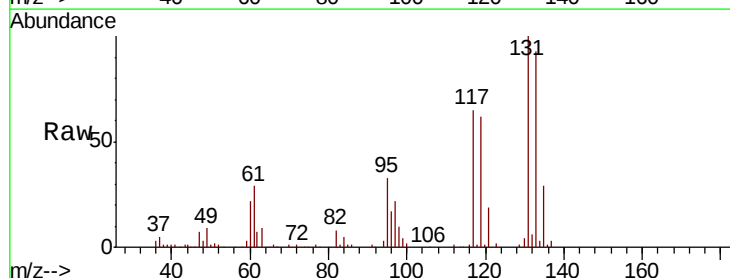
Tgt Ion:131 Resp: 27517

Ion Ratio Lower Upper

131 100

133 94.5 47.7 143.1

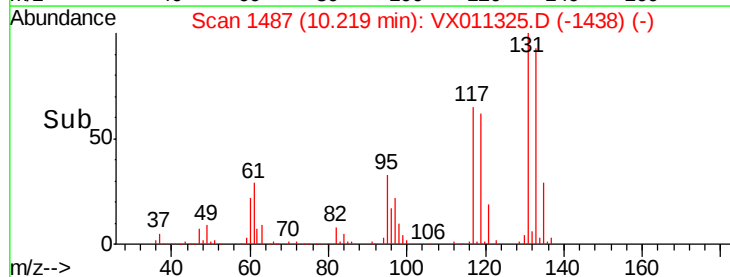
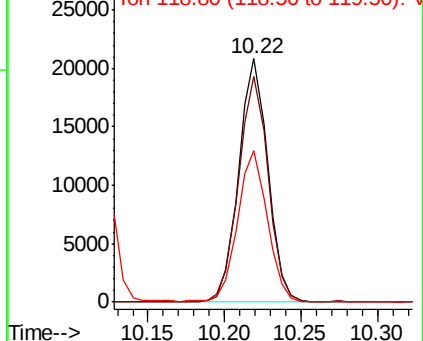
119 63.7 32.8 98.3

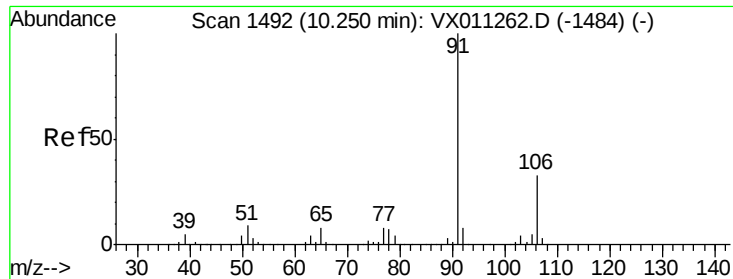


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

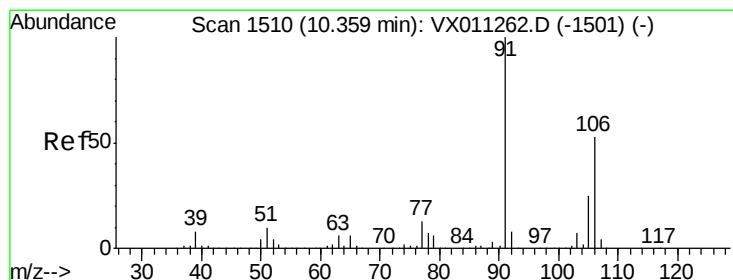
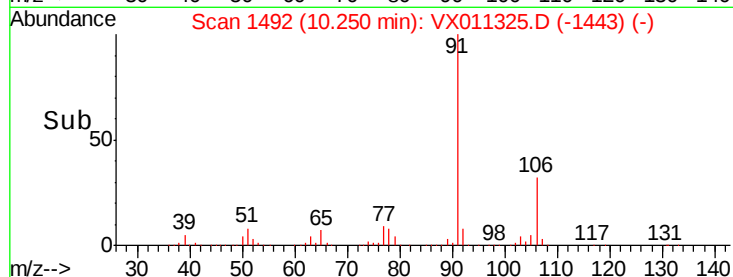
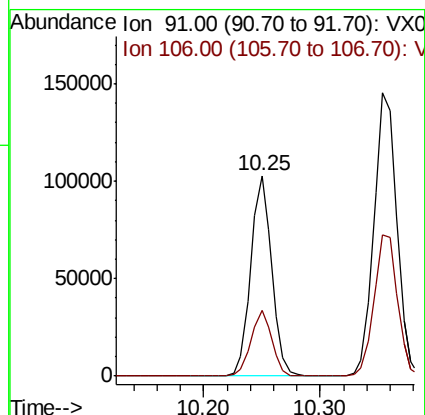
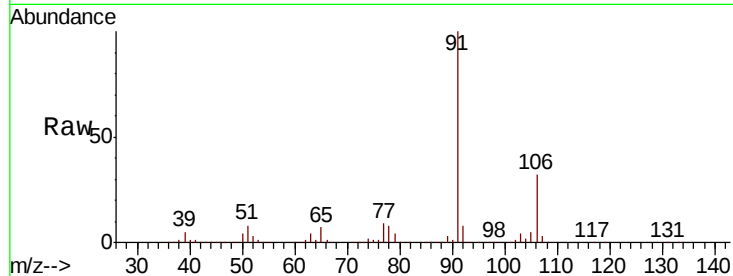




#67
Ethyl Benzene
Concen: 17.497 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

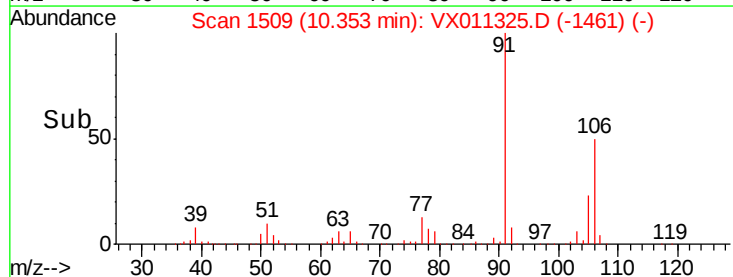
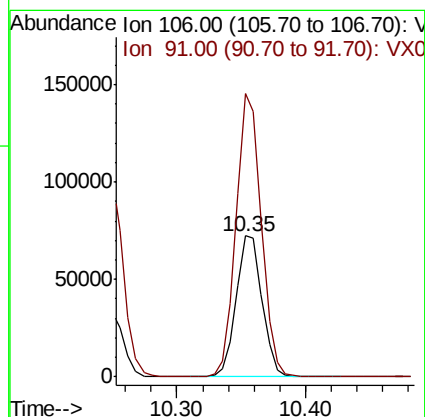
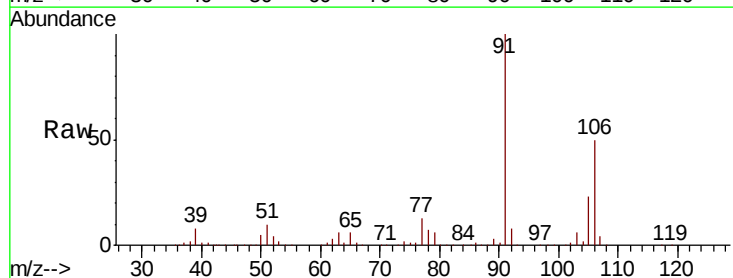
Instrument :
MSVOA_X
ClientSampleId :

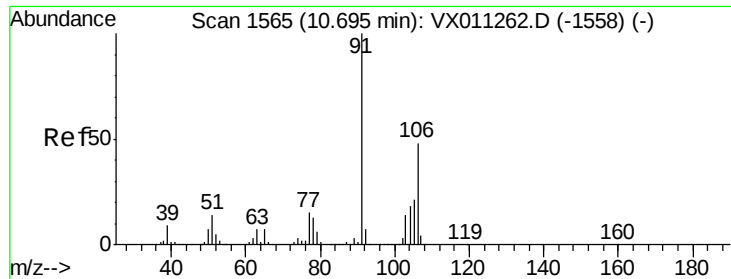
Tot Ion: 91 Resp: 129676
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.4



#68
m/p-Xylenes
Concen: 35.472 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 106 Resp: 101687
Ion Ratio Lower Upper
106 100
91 195.3 155.9 233.9

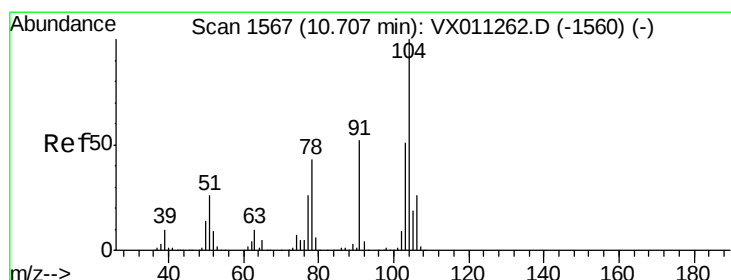
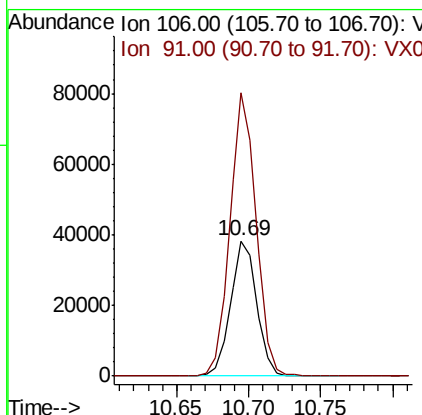
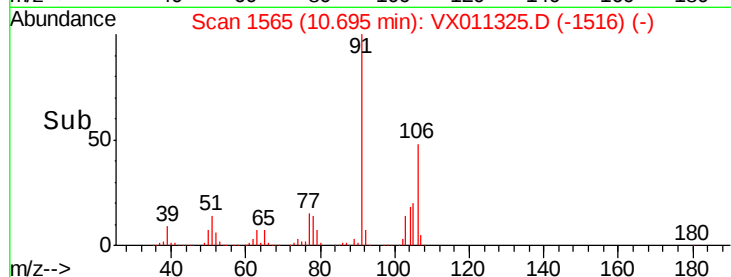
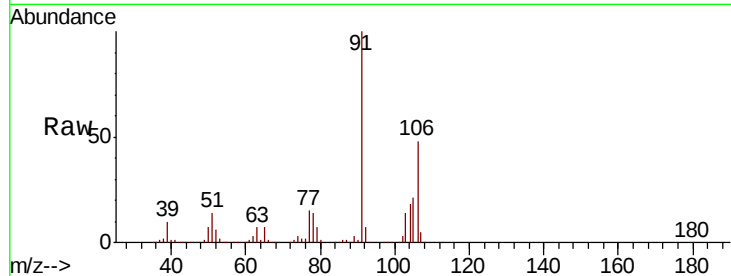




#69
o-Xylene
Concen: 17.409 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

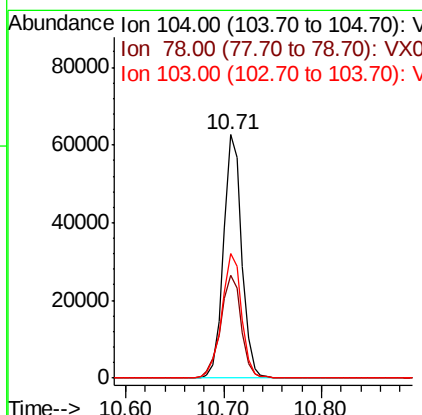
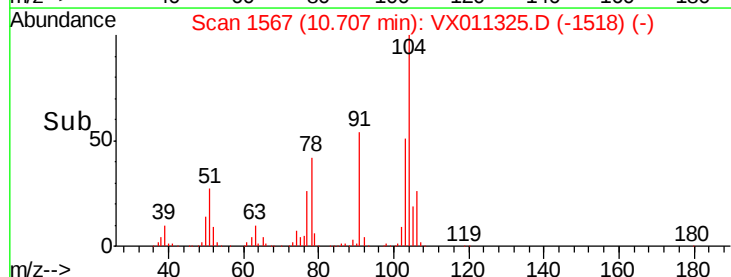
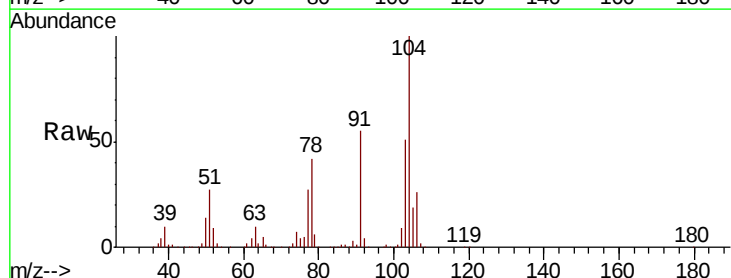
Instrument :
MSVOA_X
ClientSampleId :

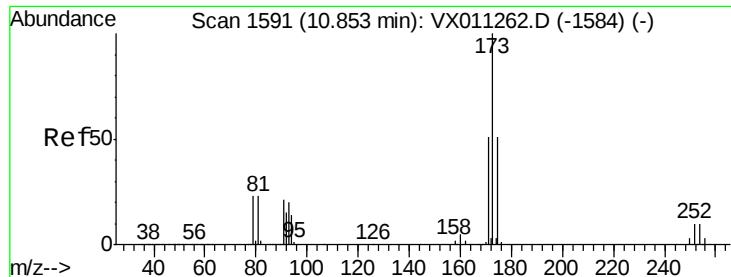
Tot Ion:106 Resp: 49034
Ion Ratio Lower Upper
106 100
91 208.5 103.8 311.3



#70
Styrene
Concen: 17.393 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion:104 Resp: 81061
Ion Ratio Lower Upper
104 100
78 48.0 36.9 55.3
103 55.9 44.4 66.6





#71

Bromoform

Concen: 17.178 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

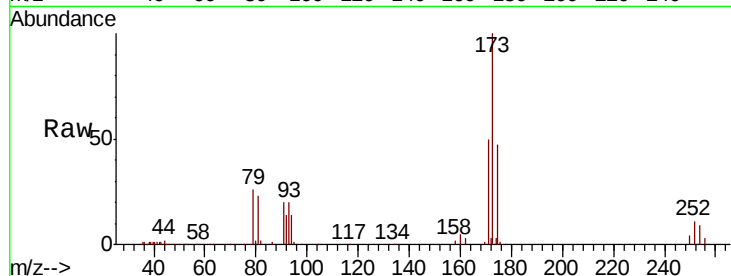
Tot Ion:173 Resp: 20597

Ion Ratio Lower Upper

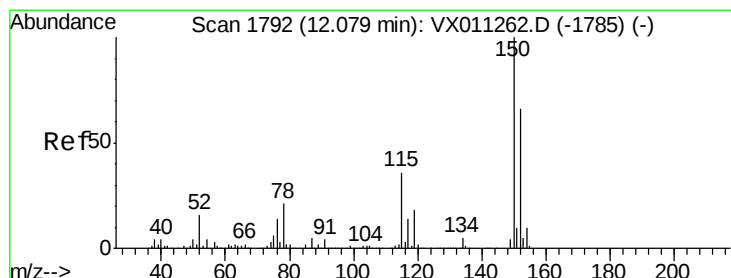
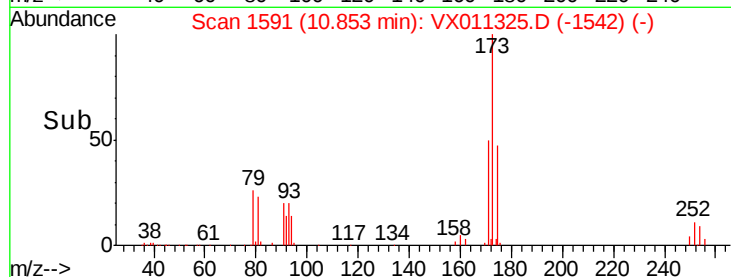
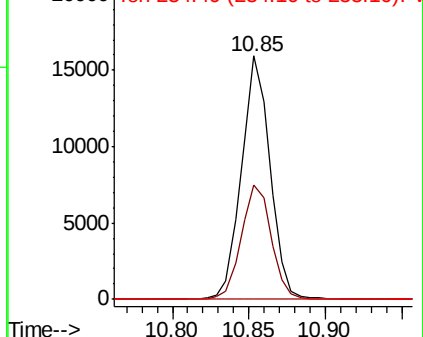
173 100

175 49.4 24.4 73.4

254 0.0 0.2 0.2#



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# 1791

Delta R.T. -0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

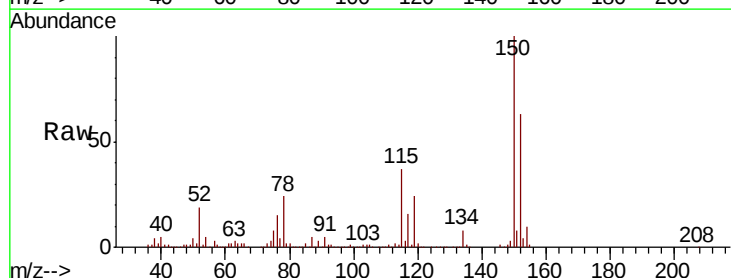
Tgt Ion:152 Resp: 108534

Ion Ratio Lower Upper

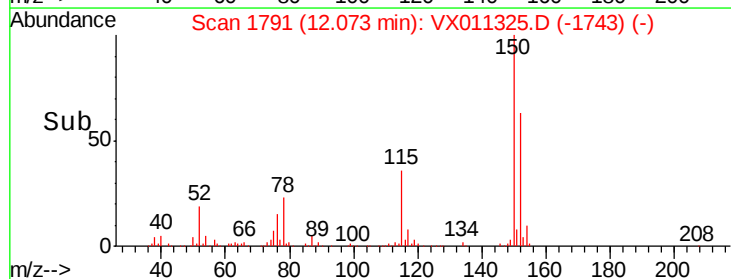
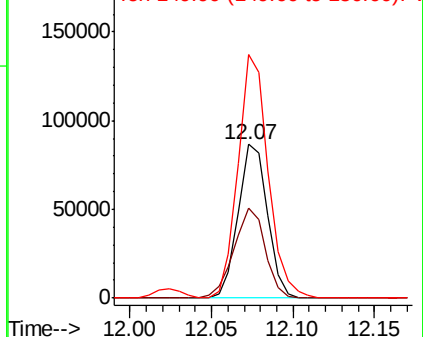
152 100

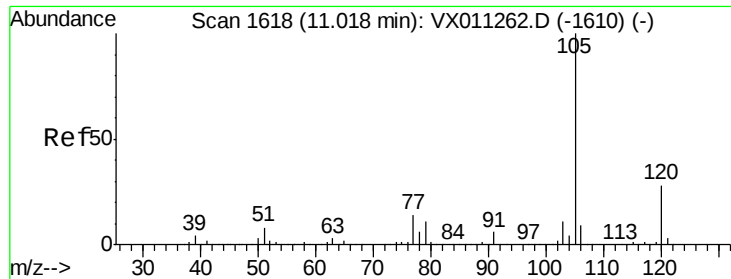
115 63.2 40.0 119.9

150 162.6 0.0 350.4



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

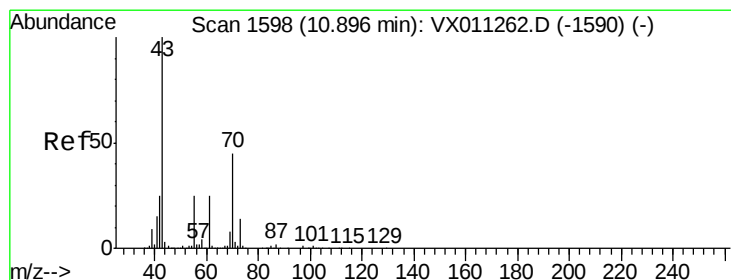
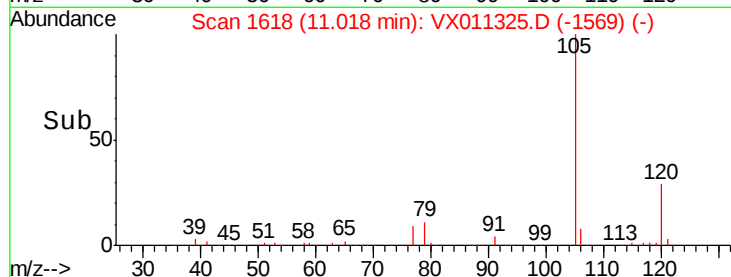
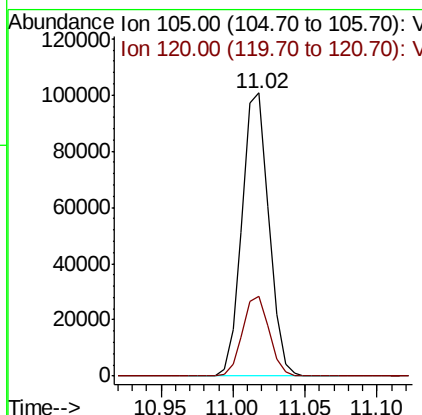
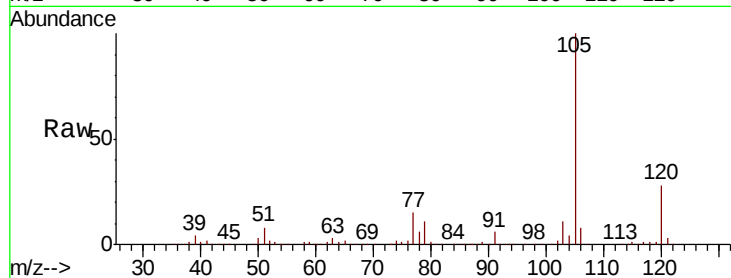




#73
Isopropylbenzene
Concen: 17.581 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

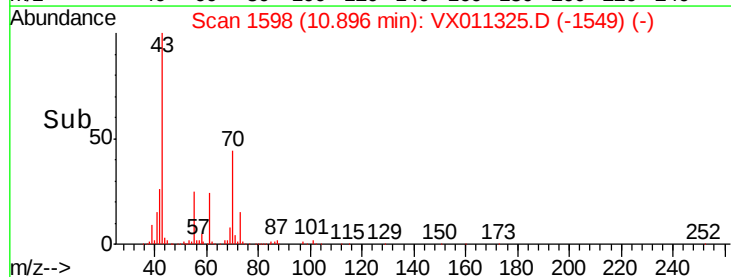
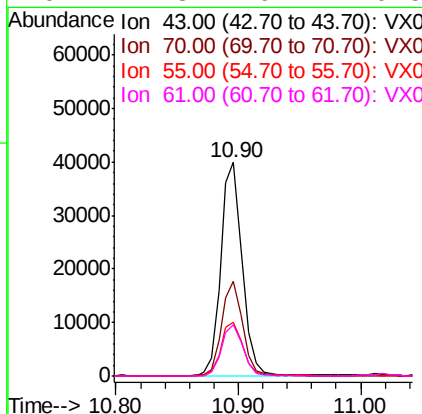
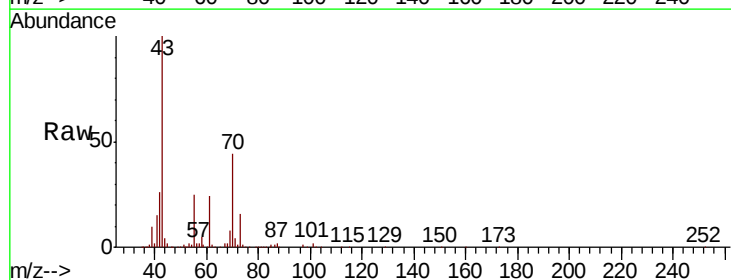
Instrument :
MSVOA_X
ClientSampled :

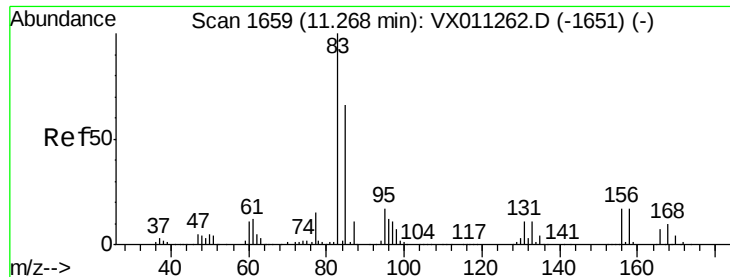
Tot Ion:105 Resp: 130500
Ion Ratio Lower Upper
105 100
120 27.9 13.7 41.1



#74
N-ethyl acetate
Concen: 18.232 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 43 Resp: 48902
Ion Ratio Lower Upper
43 100
70 44.1 35.9 53.9
55 26.1 19.8 29.6
61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.530 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

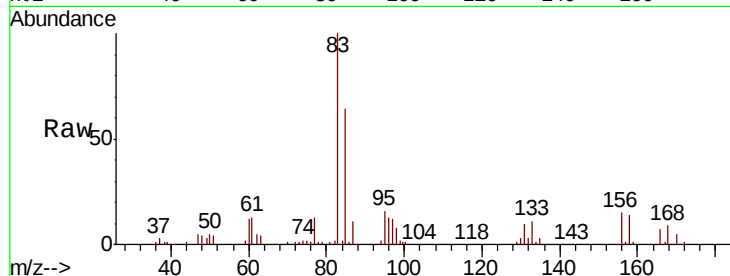
Tot Ion: 83 Resp: 43363

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

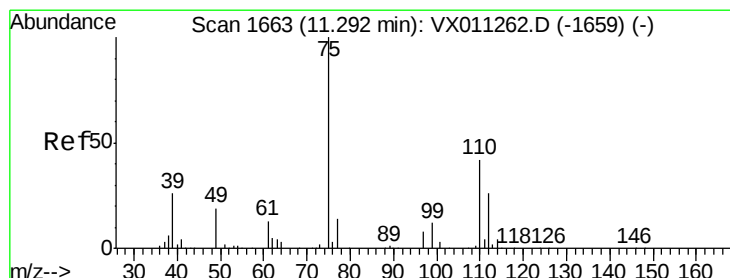
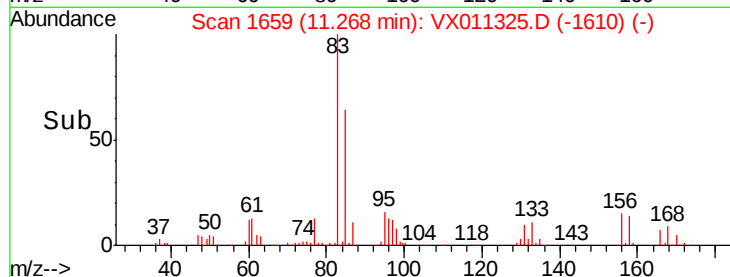
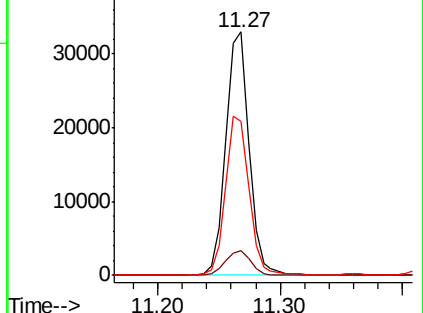
85 66.6 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.225 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011325.D

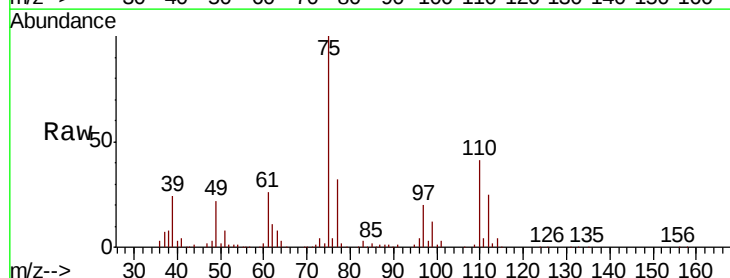
Acq: 05 Aug 2019 12:47

Tgt Ion: 75 Resp: 45906

Ion Ratio Lower Upper

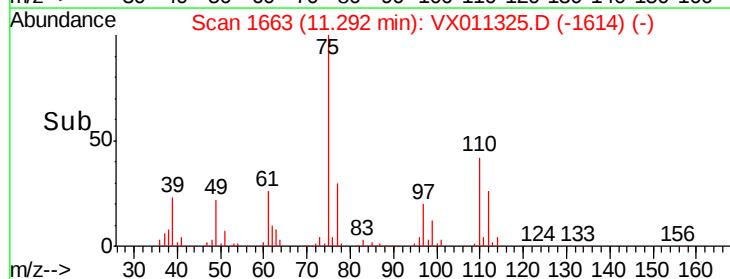
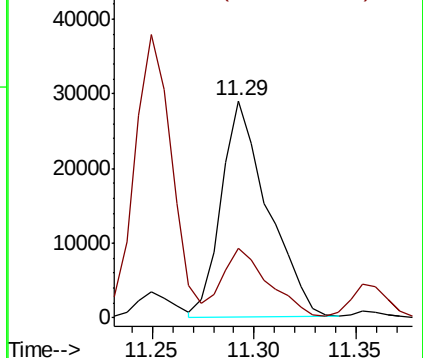
75 100

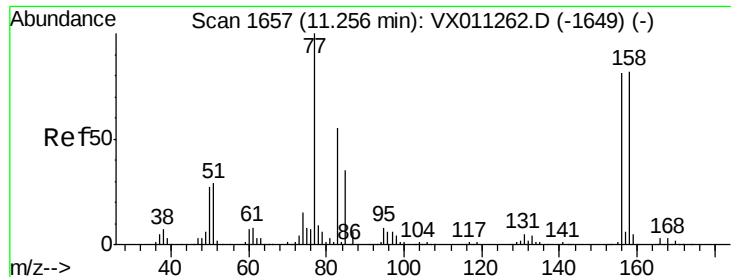
77 32.3 21.1 63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 17.358 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

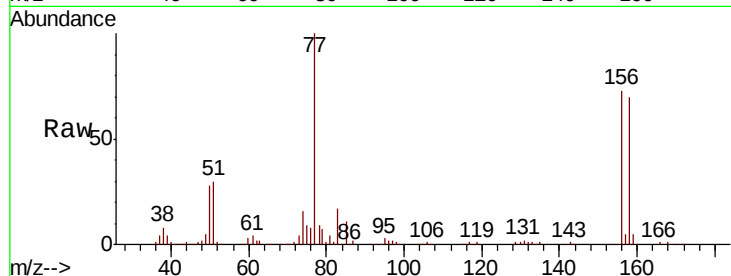
Tot Ion:156 Resp: 35729

Ion Ratio Lower Upper

156 100

77 134.0 66.2 198.6

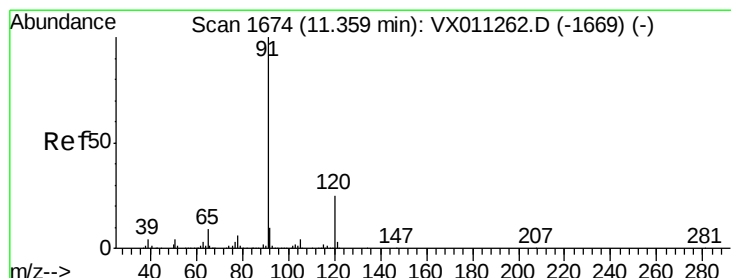
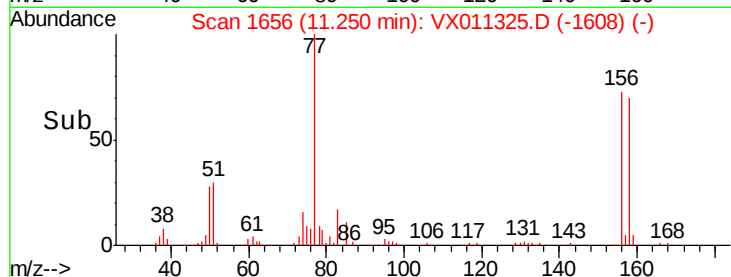
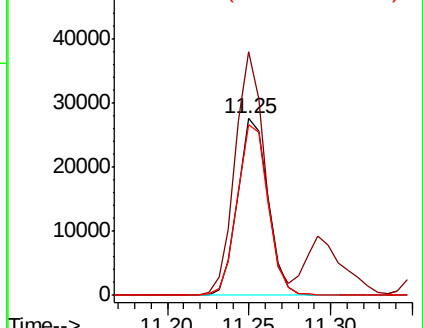
158 98.5 49.1 147.3



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: 17.380 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011325.D

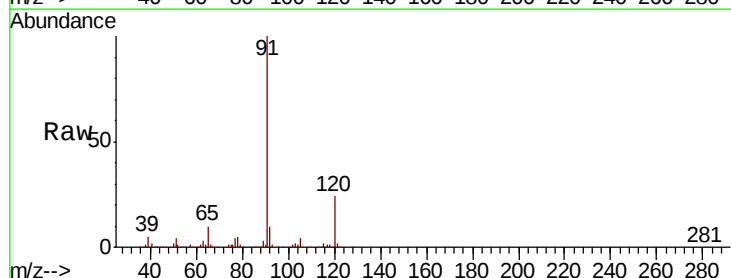
Acq: 05 Aug 2019 12:47

Tgt Ion: 91 Resp: 143465

Ion Ratio Lower Upper

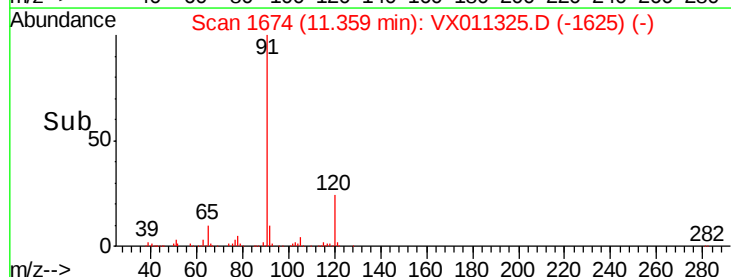
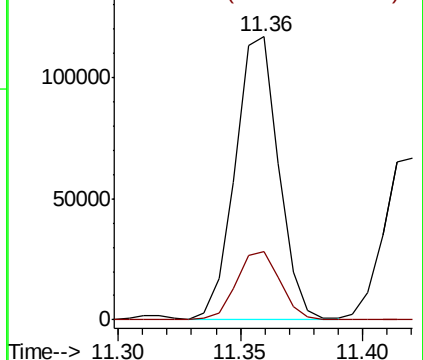
91 100

120 24.4 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.416 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

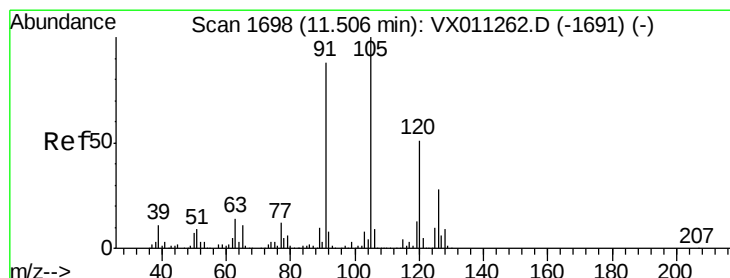
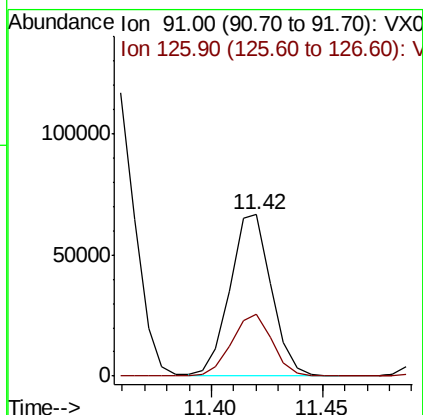
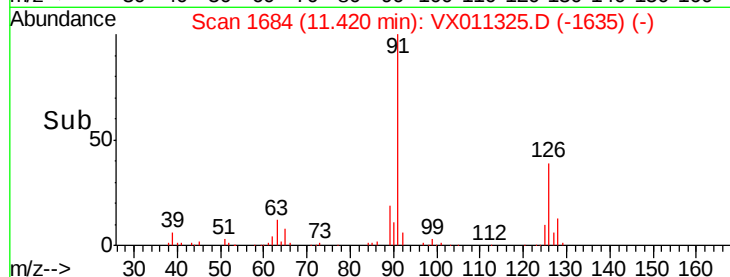
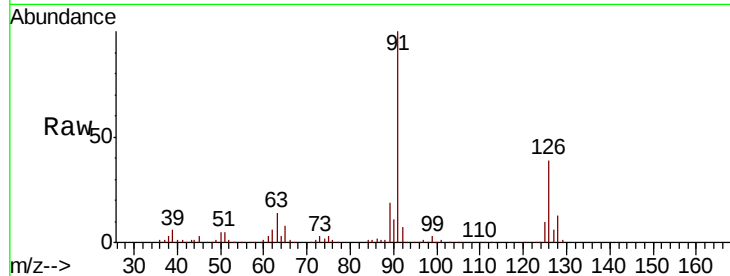
ClientSampleId :

Tot Ion: 91 Resp: 85687

Ion Ratio Lower Upper

91 100

126 37.8 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 17.778 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011325.D

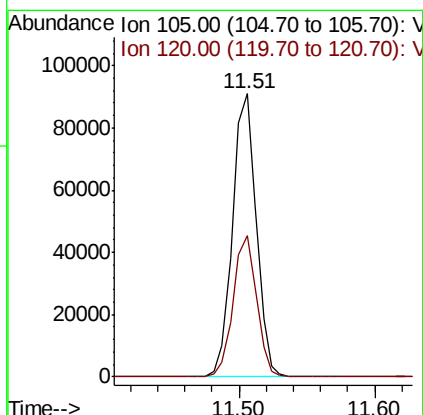
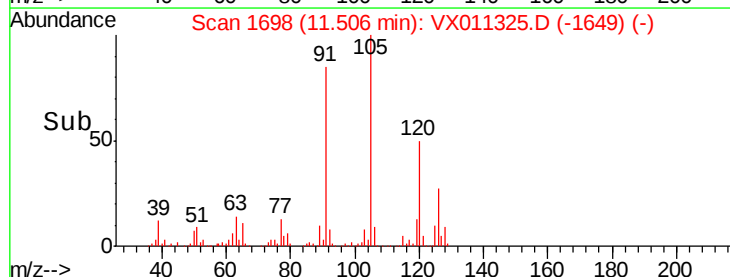
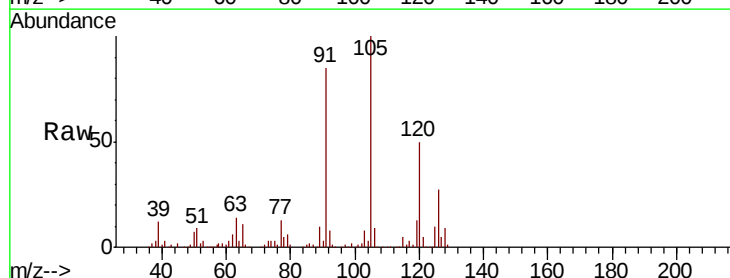
Acq: 05 Aug 2019 12:47

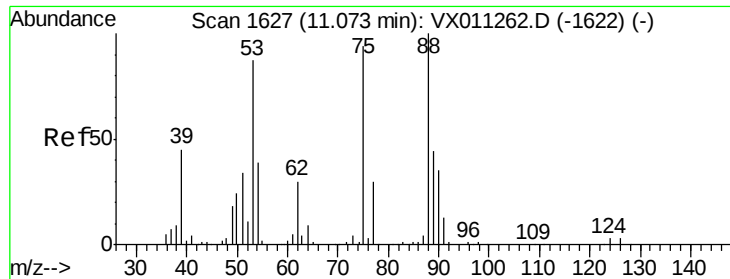
Tgt Ion: 105 Resp: 110467

Ion Ratio Lower Upper

105 100

120 49.3 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.221 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

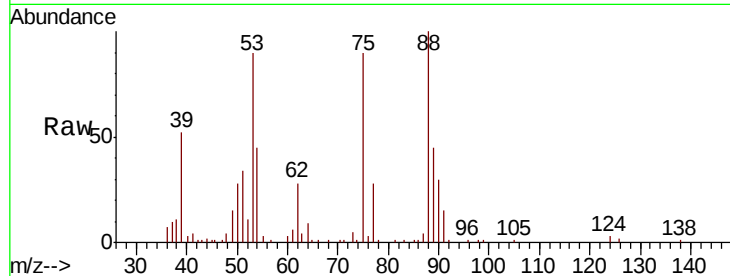
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 75 Resp: 11145

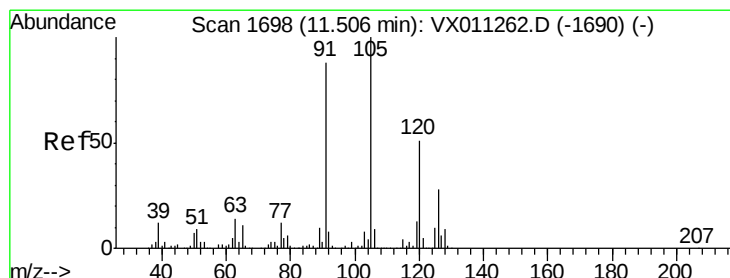
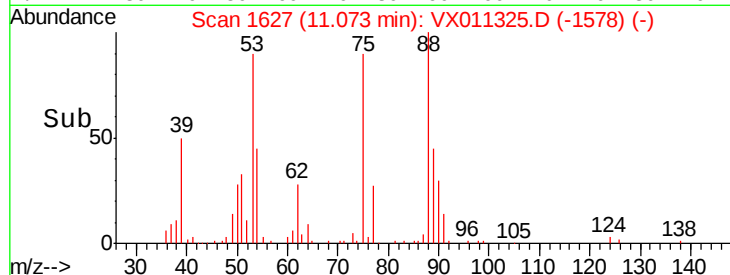
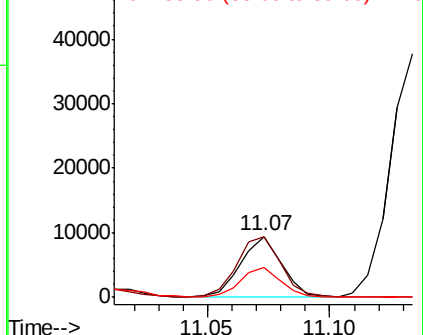
Ion	Ratio	Lower	Upper
75	100		
53	106.1	78.2	117.4
89	49.2	37.9	56.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 17.259 ug/l

RT: 11.51 min Scan# 1698

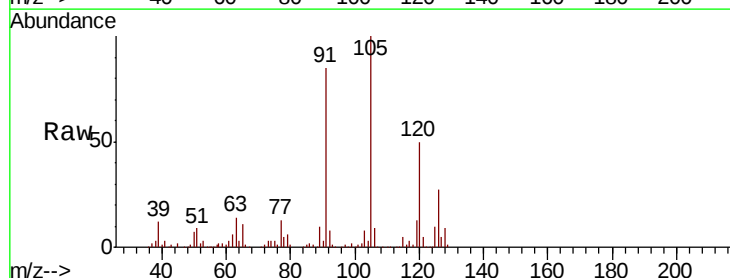
Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

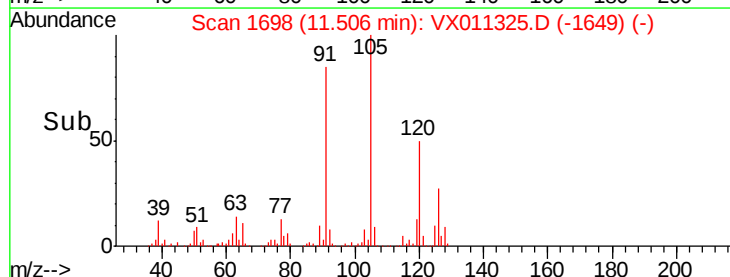
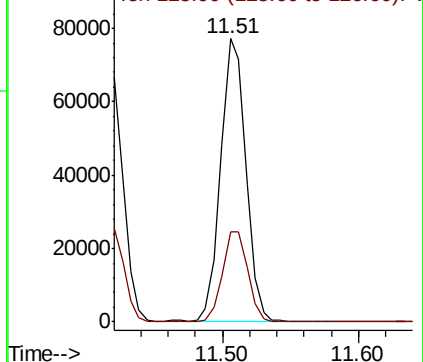
Tgt Ion: 91 Resp: 98963

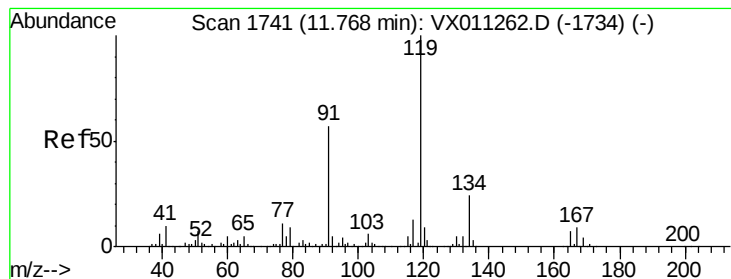
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.599 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampled :

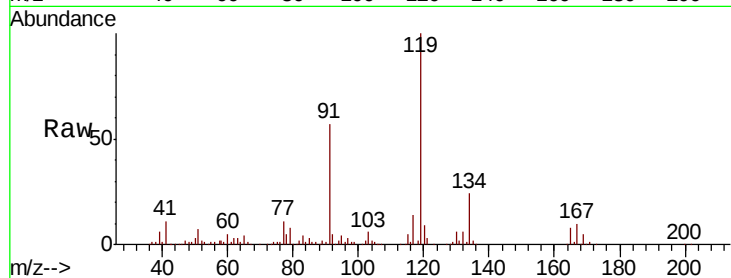
Tot Ion:119 Resp: 107252

Ion Ratio Lower Upper

119 100

91 56.8 28.0 84.0

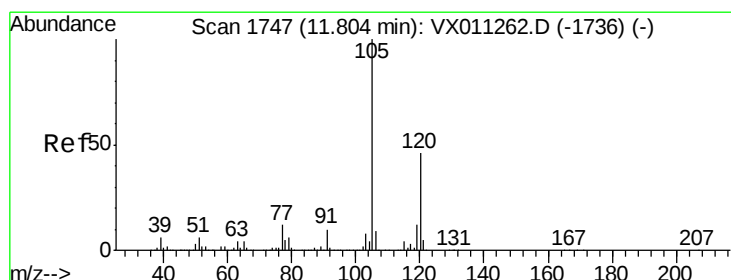
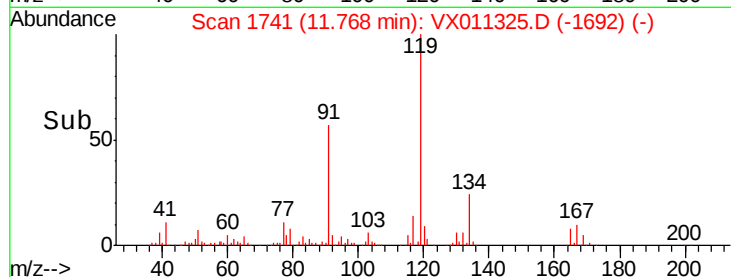
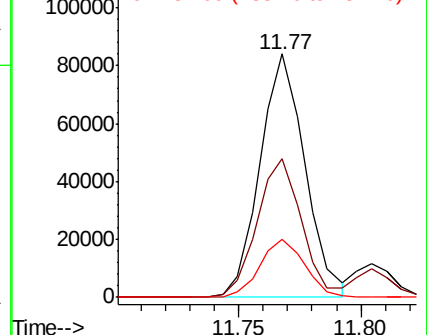
134 23.7 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.039 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011325.D

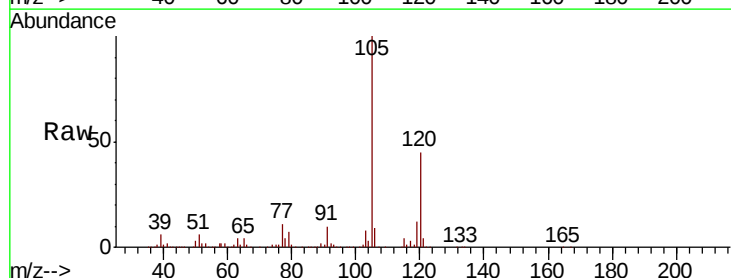
Acq: 05 Aug 2019 12:47

Tgt Ion:105 Resp: 111603

Ion Ratio Lower Upper

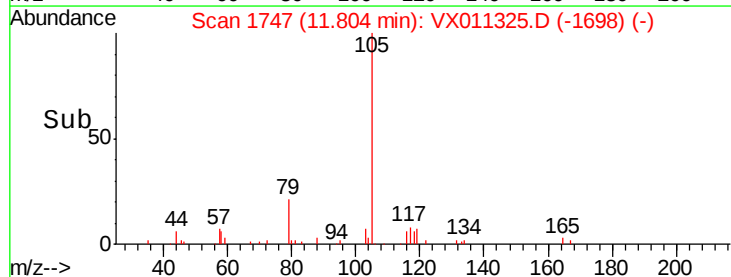
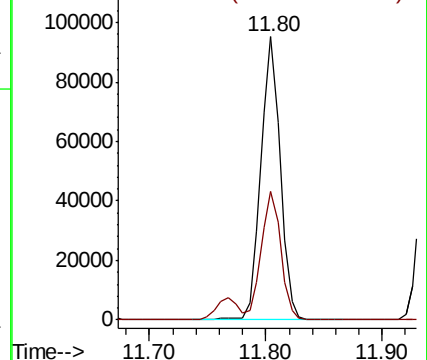
105 100

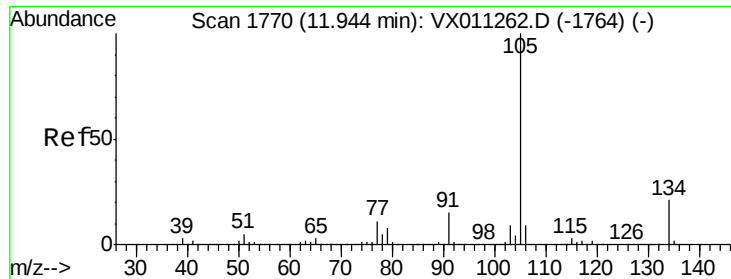
120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.389 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

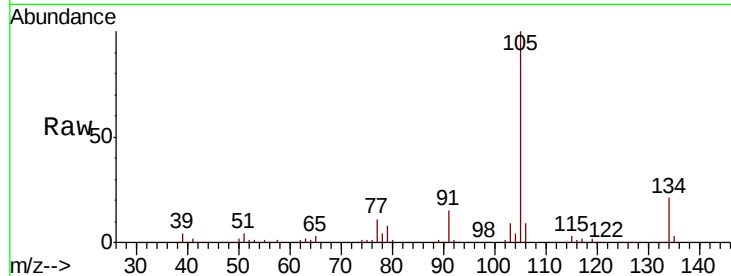
ClientSampleId :

Tot Ion:105 Resp: 127325

Ion Ratio Lower Upper

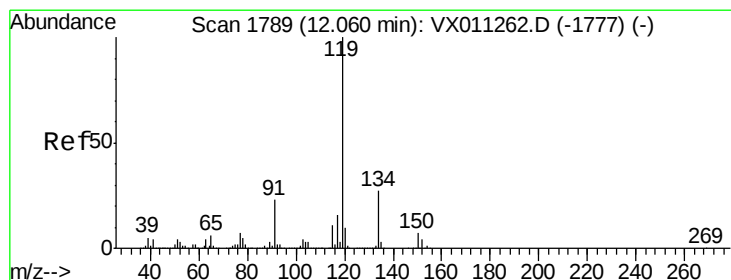
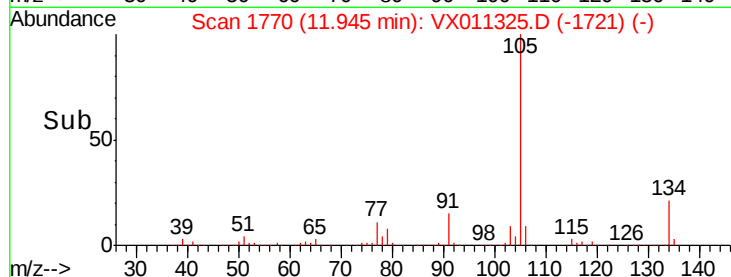
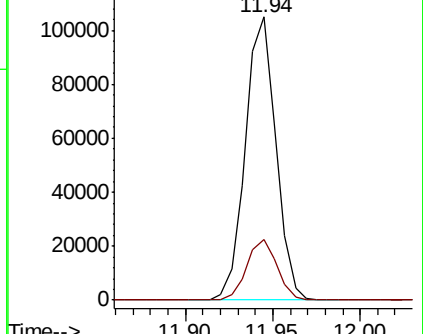
105 100

134 21.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.494 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

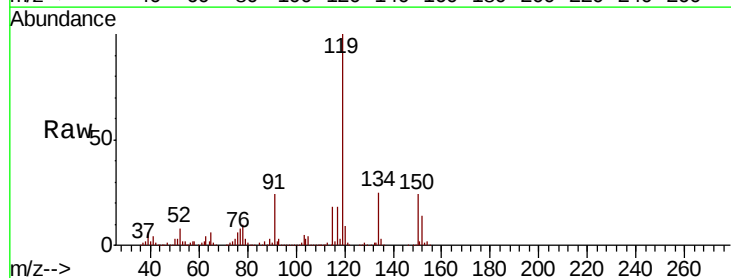
Tgt Ion:119 Resp: 117838

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

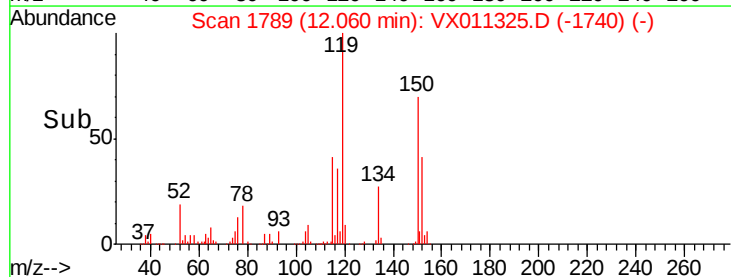
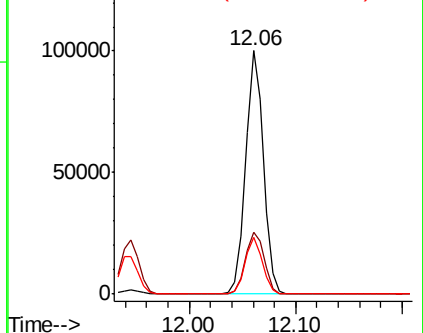
91 23.0 11.4 34.2

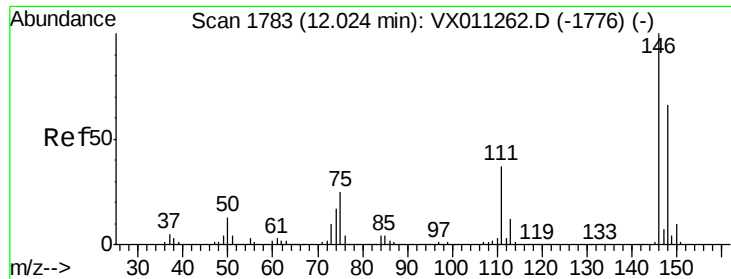


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 17.399 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

Instrument :

MSVOA_X

ClientSampleId :

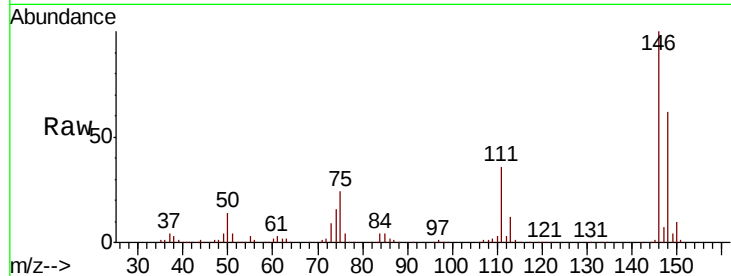
Tot Ion:146 Resp: 63280

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

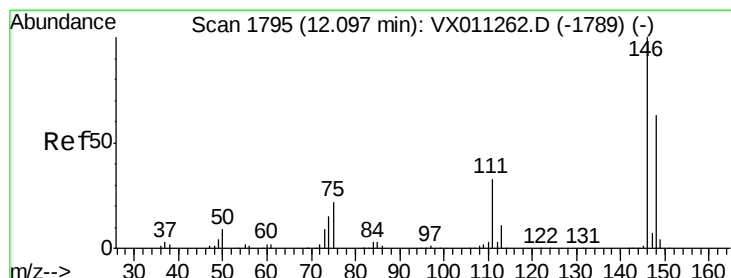
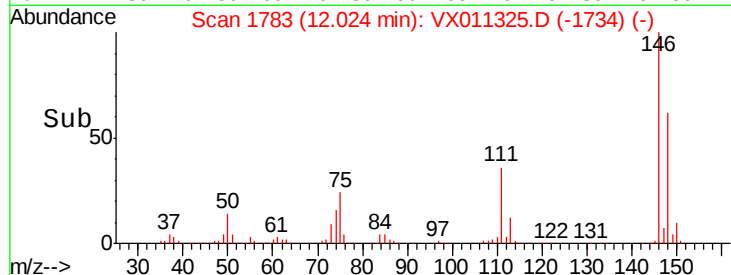
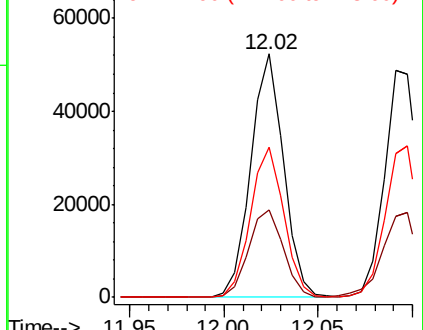
148 63.0 32.5 97.5



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: 16.859 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VX011325.D

Acq: 05 Aug 2019 12:47

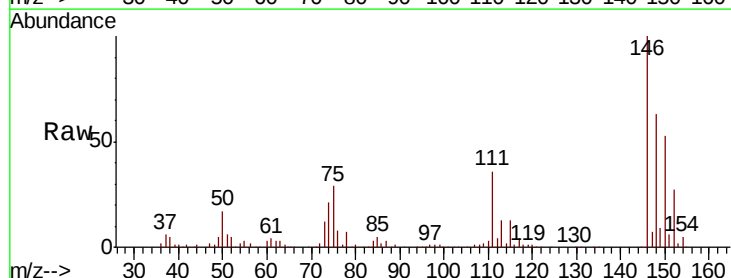
Tgt Ion:146 Resp: 63224

Ion Ratio Lower Upper

146 100

111 38.8 17.8 53.4

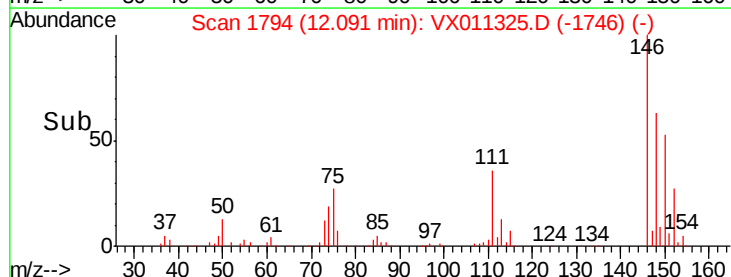
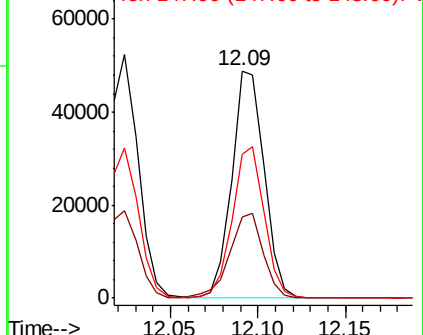
148 65.4 31.8 95.3

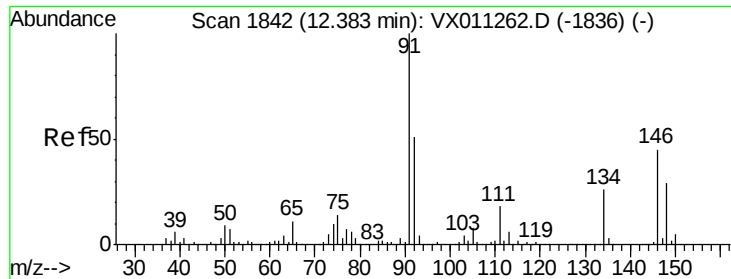


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

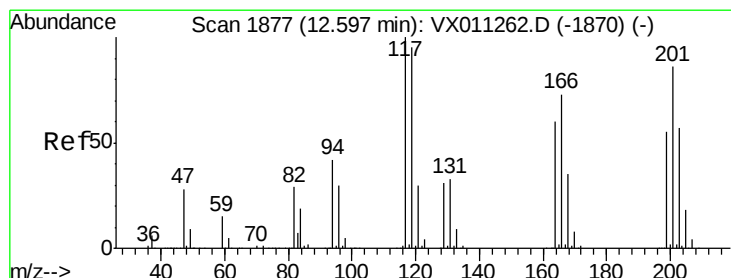
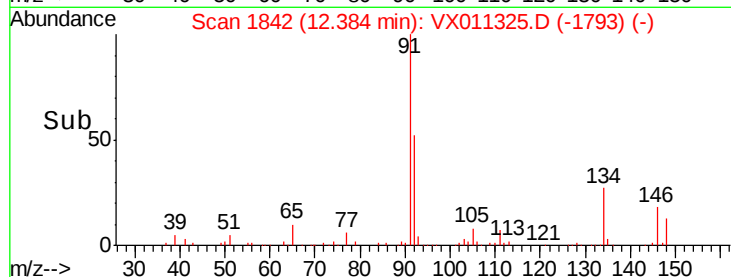
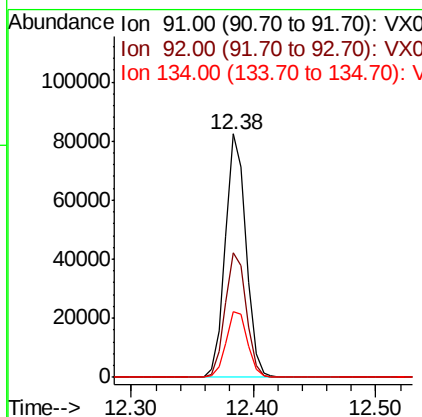
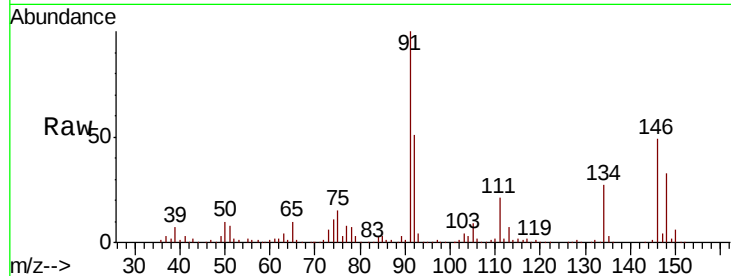




#89
n-Butylbenzene
Concen: 16.604 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

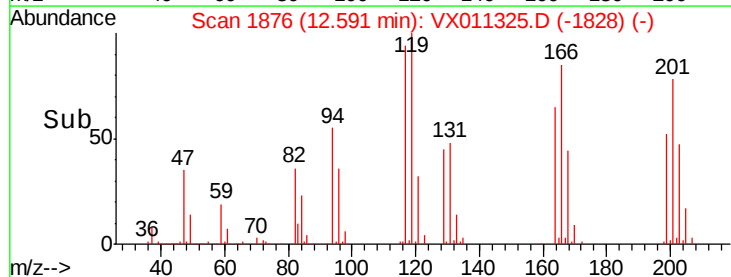
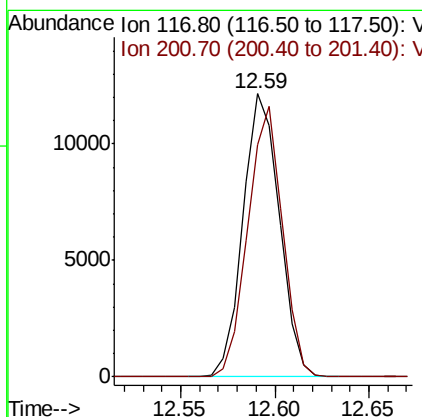
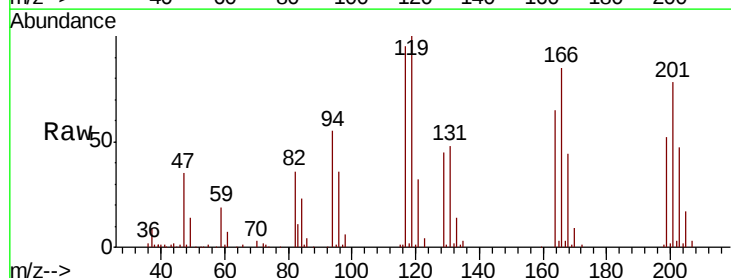
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 91 Resp: 96357
Ion Ratio Lower Upper
91 100
92 52.4 25.8 77.3
134 27.9 13.7 41.0



#90
Hexachloroethane
Concen: 16.367 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion: 117 Resp: 16300
Ion Ratio Lower Upper
117 100
201 90.7 41.8 125.4

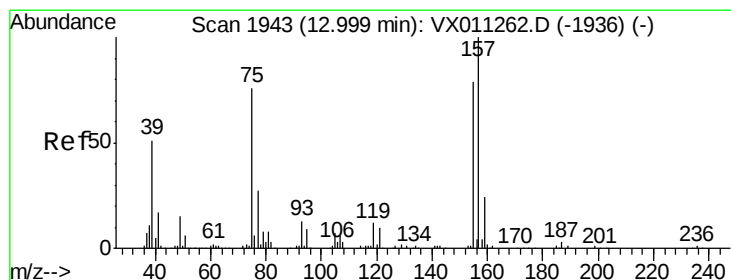
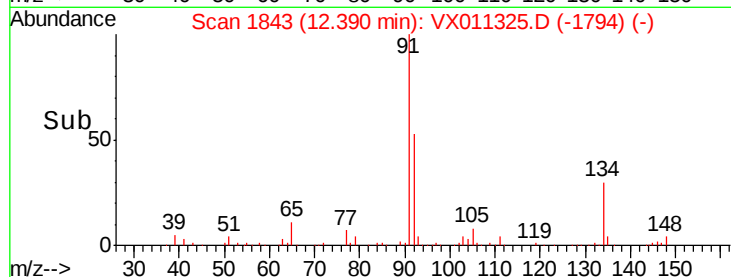
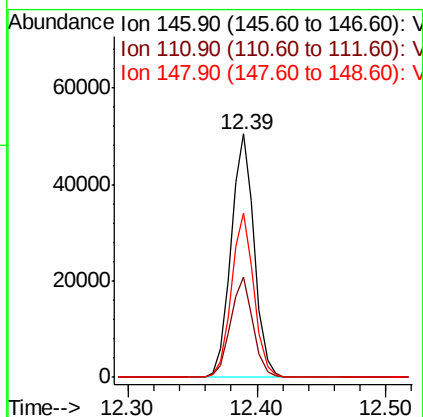
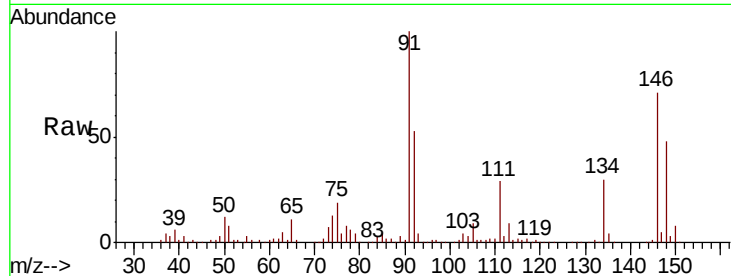




#91
 1,2-Dichlorobenzene
 Concen: 17.356 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

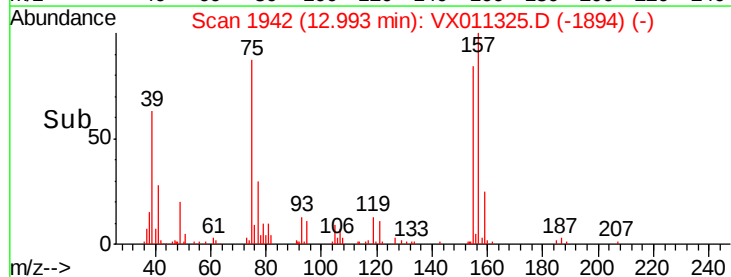
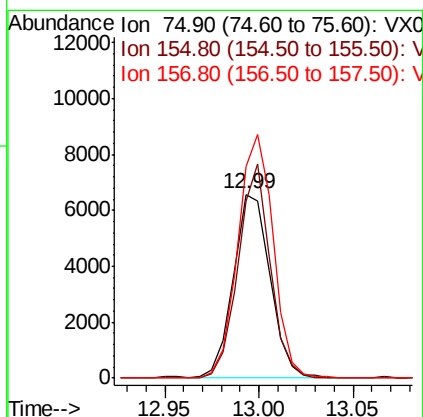
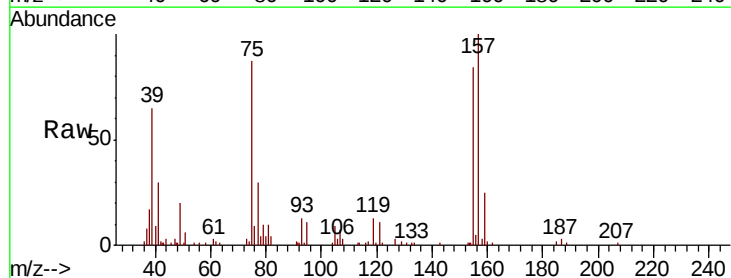
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 63424
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.1 57.1
 148 65.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.598 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion: 75 Resp: 8913
 Ion Ratio Lower Upper
 75 100
 155 100.6 51.9 155.8
 157 127.1 64.3 192.7

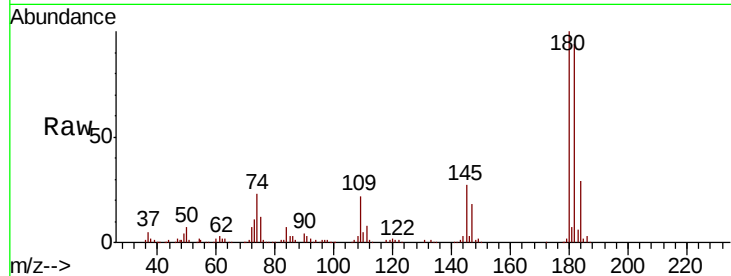




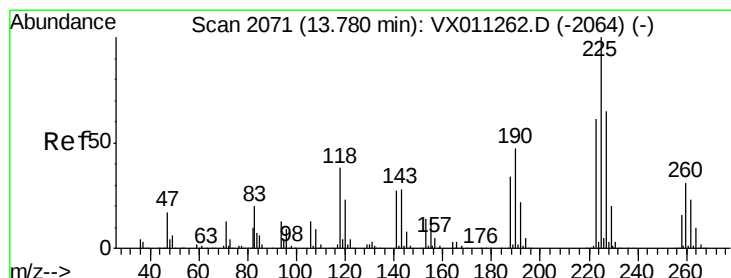
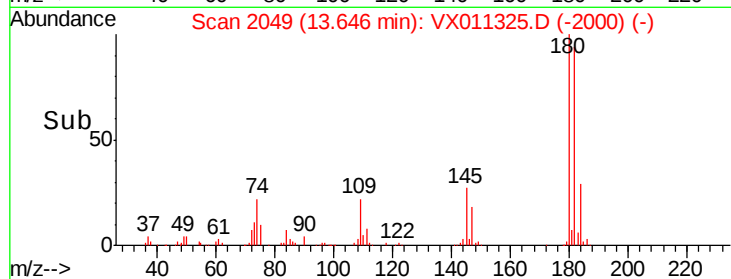
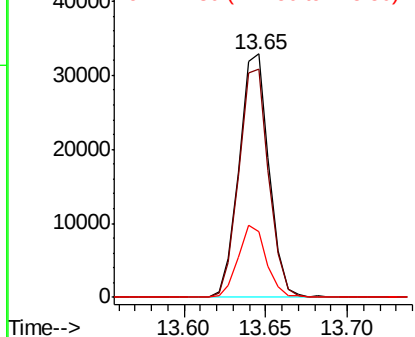
#93
 1,2,4-Trichlorobenzene
 Concen: 17.311 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 41953
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.8 143.4
 145 28.1 14.8 44.3

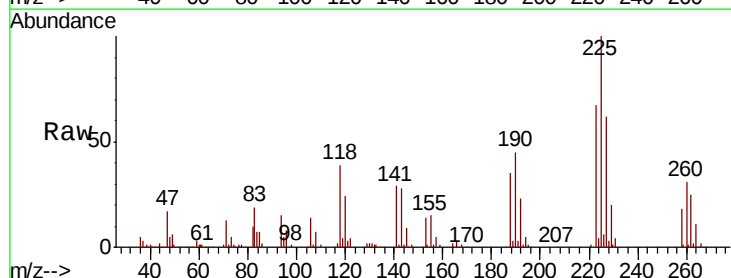


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

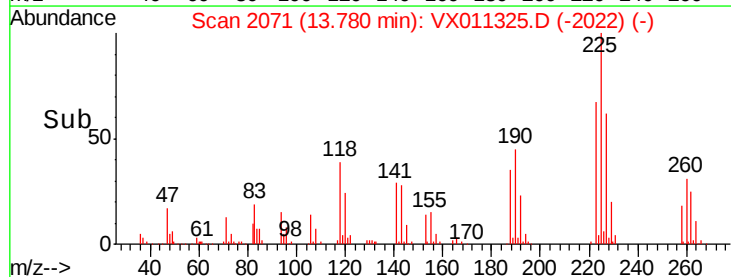
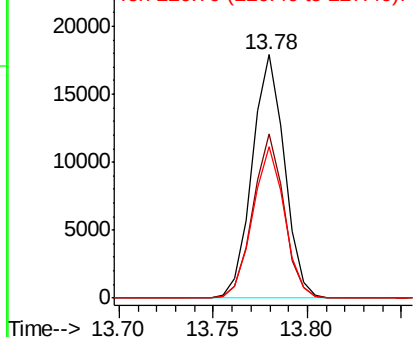


#94
 Hexachlorobutadiene
 Concen: 17.319 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011325.D
 Acq: 05 Aug 2019 12:47

Tgt Ion:225 Resp: 21294
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.0 93.0
 227 61.3 32.2 96.6



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

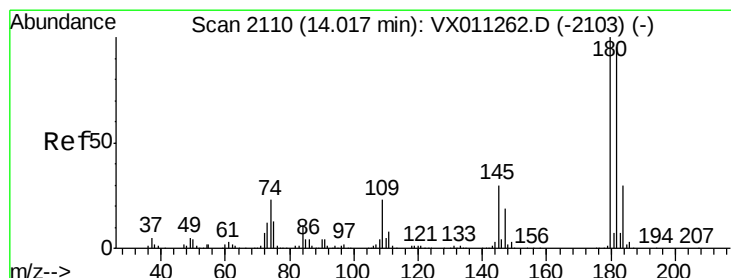
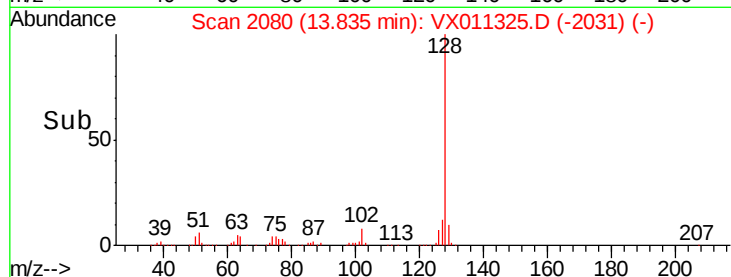
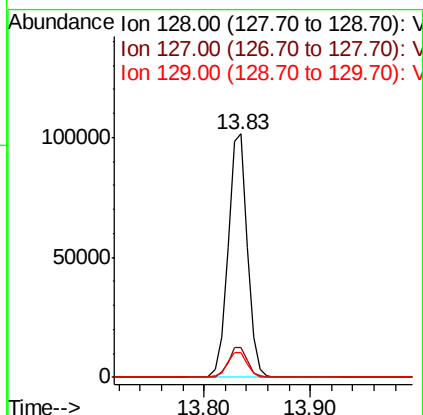
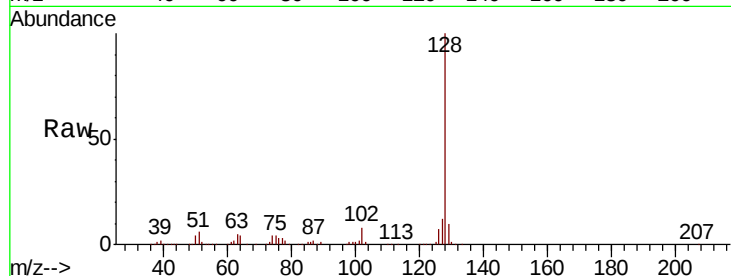




#95
Naphthalene
Concen: 18.101 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:128 Resp: 128281
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 17.648 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011325.D
Acq: 05 Aug 2019 12:47

Tgt Ion:180 Resp: 43480
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.3
145 29.5 15.2 45.6

