

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011261.D
 Acq On : 01 Aug 2019 15:50
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 02 01:27:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:21:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	237873	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116591	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	30828	17.24	ug/l	0.00
Spiked Amount			Recovery	=	34.48%	
35) Dibromofluoromethane	5.49	113	29808	19.73	ug/l	0.00
Spiked Amount			Recovery	=	39.46%	
50) Toluene-d8	8.71	98	110268	19.50	ug/l	0.00
Spiked Amount			Recovery	=	39.00%	
62) 4-Bromofluorobenzene	11.13	95	38569	18.64	ug/l	0.00
Spiked Amount			Recovery	=	37.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	25134	16.707	ug/l	100
3) Chloromethane	1.32	50	27244	17.652	ug/l	100
4) Vinyl Chloride	1.40	62	30082	18.897	ug/l	97
5) Bromomethane	1.63	94	22972	23.980	ug/l	93
6) Chloroethane	1.71	64	20776	20.220	ug/l	97
7) Trichlorofluoromethane	1.92	101	54366	19.834	ug/l	100
8) Diethyl Ether	2.18	74	18306	19.332	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29887	19.278	ug/l	100
10) Methyl Iodide	2.50	142	35449	17.480	ug/l	100
11) Tert butyl alcohol	3.03	59	30566	73.900	ug/l	99
12) 1,1-Dichloroethene	2.37	96	28064	18.504	ug/l	97
13) Acrolein	2.29	56	20364	85.302	ug/l	100
14) Allyl chloride	2.72	41	38017	17.281	ug/l	98
15) Acrylonitrile	3.14	53	74683	87.367	ug/l	98
16) Acetone	2.43	43	77150	94.278	ug/l	99
17) Carbon Disulfide	2.56	76	66138	17.144	ug/l	99
18) Methyl Acetate	2.76	43	33893	17.987	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	83763	17.180	ug/l	97
20) Methylene Chloride	2.85	84	31427	18.029	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	29855	18.401	ug/l	94
22) Diisopropyl ether	3.84	45	83106	17.875	ug/l	90
23) Vinyl Acetate	3.81	43	351593	89.207	ug/l	99
24) 1,1-Dichloroethane	3.69	63	48243	17.791	ug/l	100
25) 2-Butanone	4.66	43	107142	90.959	ug/l	99
26) 2,2-Dichloropropane	4.58	77	38187	17.276	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	34092	18.192	ug/l	98
28) Bromochloromethane	5.01	49	21783	17.236	ug/l	98
29) Tetrahydrofuran	5.12	42	64079	86.024	ug/l	99
30) Chloroform	5.20	83	53496	18.237	ug/l	97
31) Cyclohexane	5.57	56	41029	16.877	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	44592	17.627	ug/l	99
36) 1,1-Dichloropropene	5.79	75	39622	20.056	ug/l	100
37) Ethyl Acetate	4.82	43	37540	18.728	ug/l	98
38) Carbon Tetrachloride	5.77	117	39139	19.046	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	47174	18.702	ug/l	99
40) Benzene	6.13	78	120341	19.887	ug/l	94
41) Methacrylonitrile	5.03	41	20949	18.206	ug/l	98
42) 1,2-Dichloroethane	6.18	62	39204	18.725	ug/l	98
43) Isopropyl Acetate	6.43	43	59726	18.080	ug/l	98
44) Trichloroethene	7.21	130	36514	20.357	ug/l	98
45) 1,2-Dichloropropane	7.51	63	29963	19.459	ug/l	97
46) Dibromomethane	7.65	93	21904	19.921	ug/l	98
47) Bromodichloromethane	7.89	83	36558	18.744	ug/l	97
48) Methyl methacrylate	7.76	41	28470	17.716	ug/l	98
49) 1,4-Dioxane	7.73	88	16597	367.206	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	201409	93.738	ug/l	100
52) Toluene	8.78	92	78916	19.837	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	37402	17.881	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	44700	19.164	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	32124	19.606	ug/l	99
56) Ethyl methacrylate	9.17	69	45304	19.047	ug/l	99
57) 1,3-Dichloropropane	9.37	76	50623	19.548	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	111042	97.420	ug/l	99
59) 2-Hexanone	9.49	43	161781	97.078	ug/l	99
60) Dibromochloromethane	9.58	129	31413	18.996	ug/l	100
61) 1,2-Dibromoethane	9.67	107	35099	20.175	ug/l	97
64) Tetrachloroethene	9.34	164	36882	20.721	ug/l	96
65) Chlorobenzene	10.13	112	89872	19.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	31057	19.136	ug/l	99
67) Ethyl Benzene	10.25	91	152404	19.383	ug/l	99
68) m/p-Xylenes	10.35	106	120622	39.788	ug/l	98
69) o-Xylene	10.69	106	57246	19.412	ug/l	99
70) Styrene	10.71	104	97268	19.757	ug/l	100
71) Bromoform	10.85	173	22586	17.447	ug/l	# 100
73) Isopropylbenzene	11.02	105	155078	19.486	ug/l	100
74) N-amyl acetate	10.90	43	54310	17.962	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	49814	19.114	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	51329	24.171	ug/l	82
77) Bromobenzene	11.25	156	42549	19.369	ug/l	98
78) n-propylbenzene	11.36	91	172455	19.633	ug/l	99
79) 2-Chlorotoluene	11.42	91	99541	18.911	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	128230	19.365	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	12041	15.720	ug/l	95
82) 4-Chlorotoluene	11.51	91	115615	18.842	ug/l	100
83) tert-Butylbenzene	11.77	119	127613	19.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	129963	19.401	ug/l	99
85) sec-Butylbenzene	11.94	105	154385	20.165	ug/l	99
86) p-Isopropyltoluene	12.06	119	141401	19.959	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	74928	19.599	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	74571	19.034	ug/l	97
89) n-Butylbenzene	12.38	91	121228	20.005	ug/l	99
90) Hexachloroethane	12.59	117	20207	18.165	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	75384	19.874	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9213	17.071	ug/l	94

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VSTDICC020

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:21:05 2019
Response via : Initial Calibration

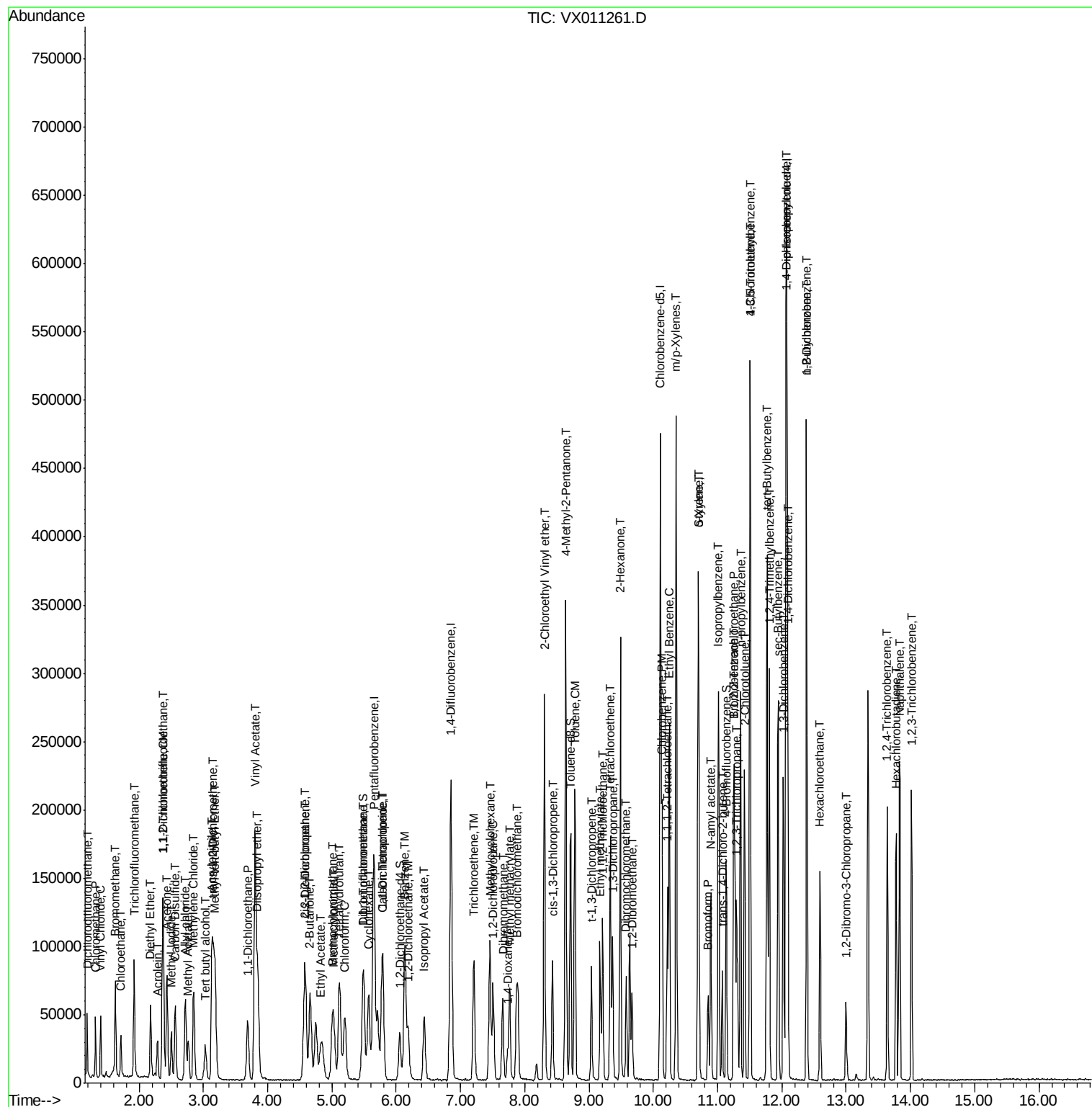
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51340	20.031	ug/l	97
94) Hexachlorobutadiene	13.78	225	26122	20.490	ug/l	98
95) Naphthalene	13.83	128	150630	19.885	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	51033	19.970	ug/l	97

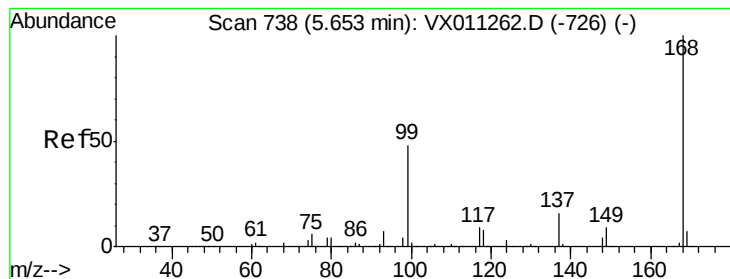
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:21:05 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

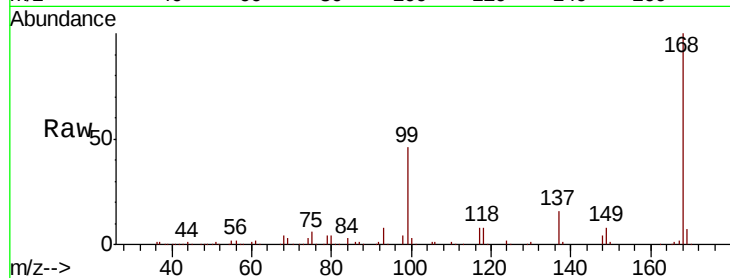
VSTDIC020

Tot Ion:168 Resp: 170206

Ion Ratio Lower Upper

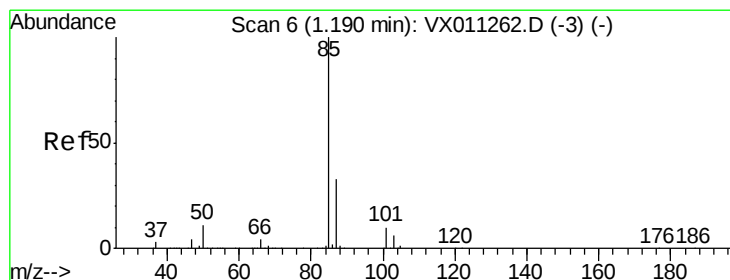
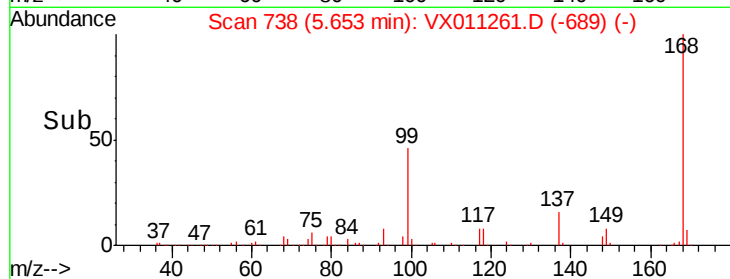
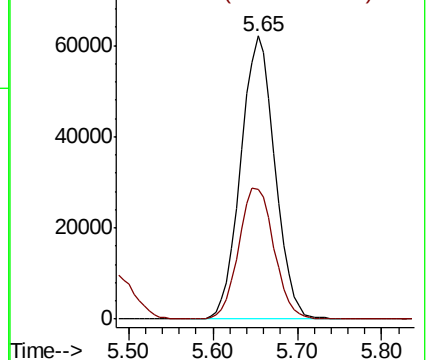
168 100

99 45.9 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.707 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011261.D

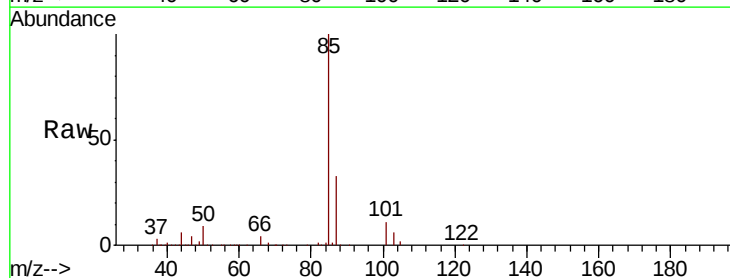
Acq: 01 Aug 2019 15:50

Tgt Ion: 85 Resp: 25134

Ion Ratio Lower Upper

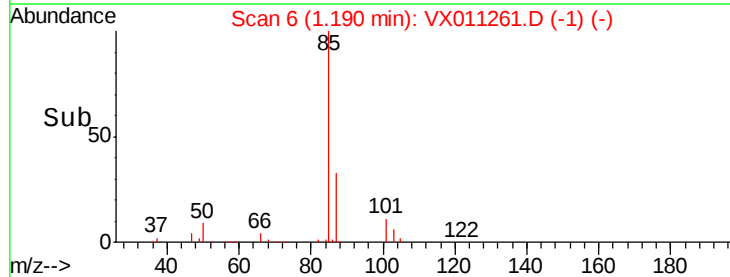
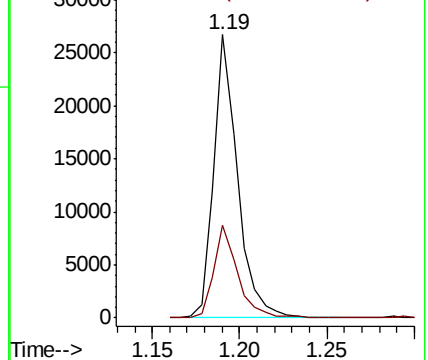
85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.652 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

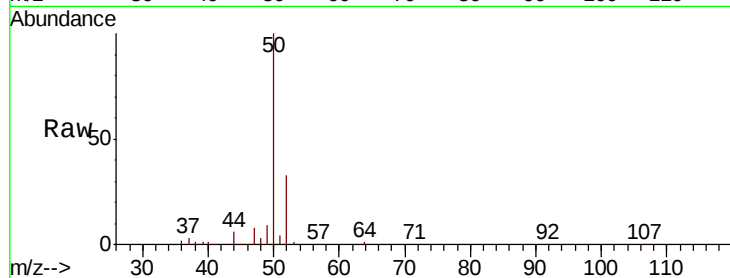
VSTDIC020

Tot Ion: 50 Resp: 27244

Ion Ratio Lower Upper

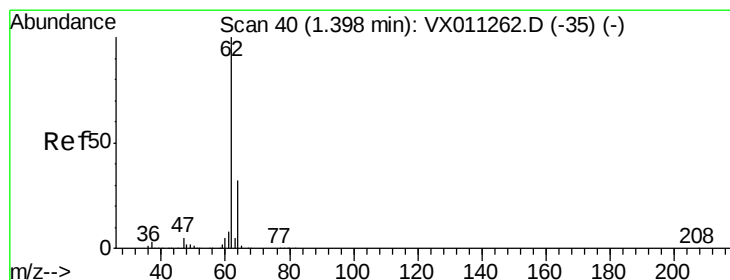
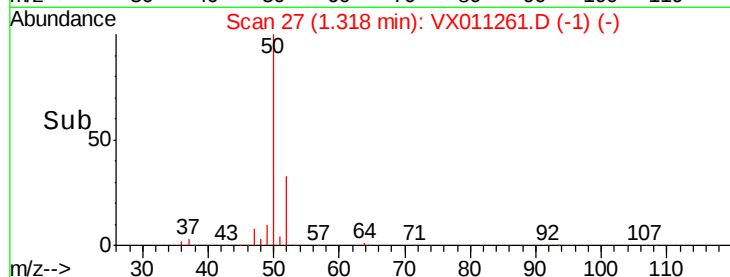
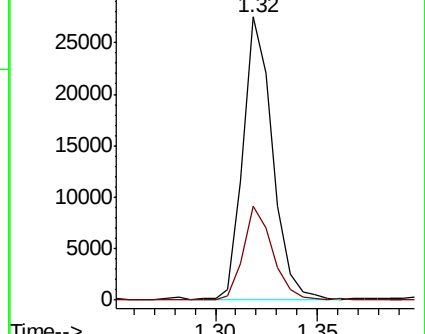
50 100

52 32.8 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: 18.897 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011261.D

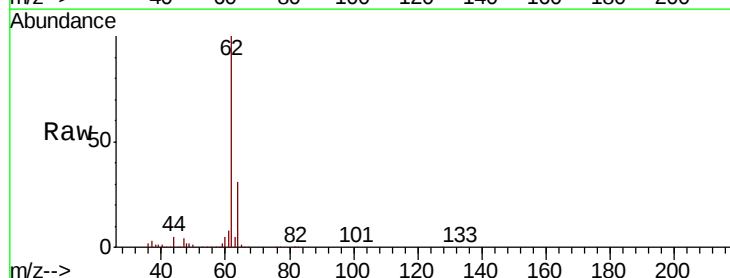
Acq: 01 Aug 2019 15:50

Tgt Ion: 62 Resp: 30082

Ion Ratio Lower Upper

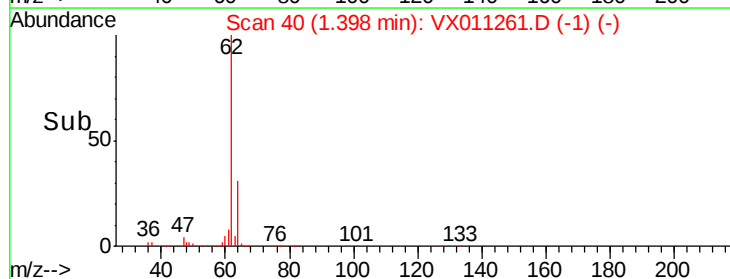
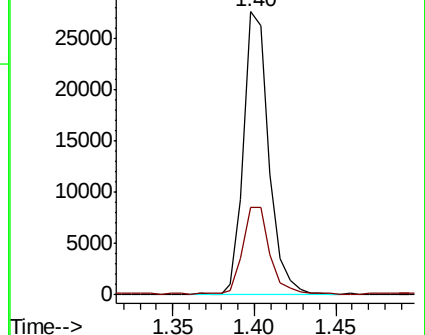
62 100

64 30.7 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: 23.980 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

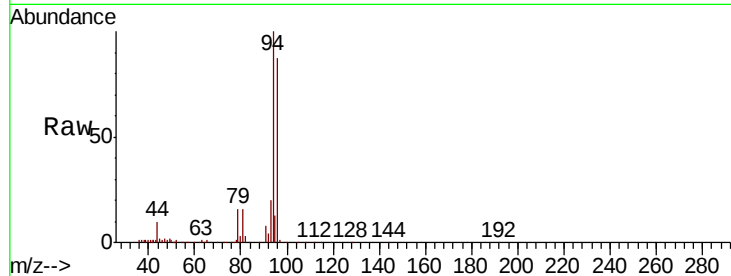
VSTDIC020

Tot Ion: 94 Resp: 22972

Ion Ratio Lower Upper

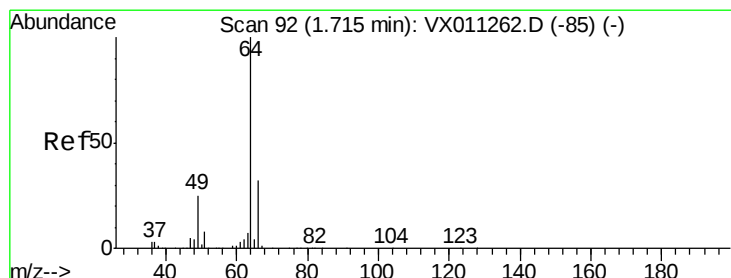
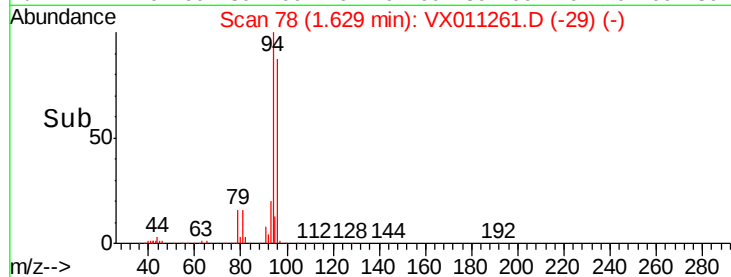
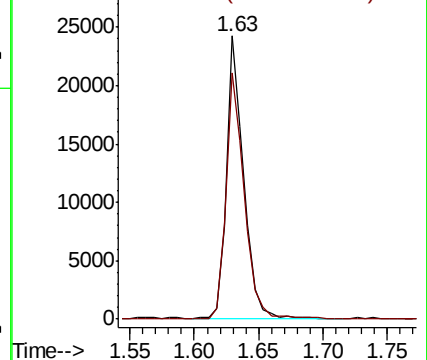
94 100

96 86.9 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: 20.220 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011261.D

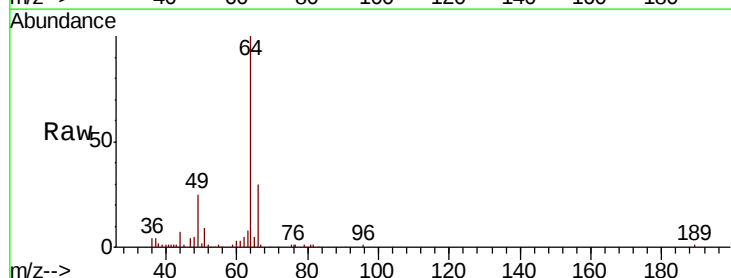
Acq: 01 Aug 2019 15:50

Tgt Ion: 64 Resp: 20776

Ion Ratio Lower Upper

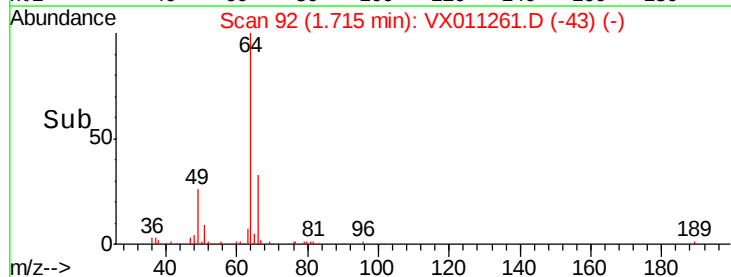
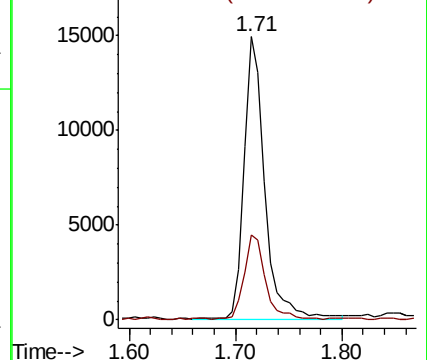
64 100

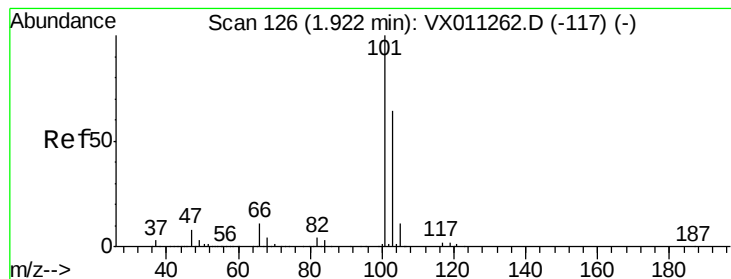
66 29.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



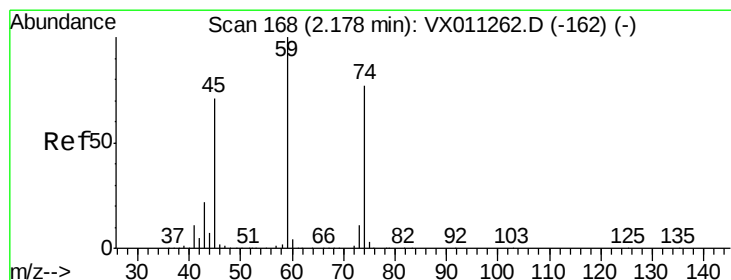
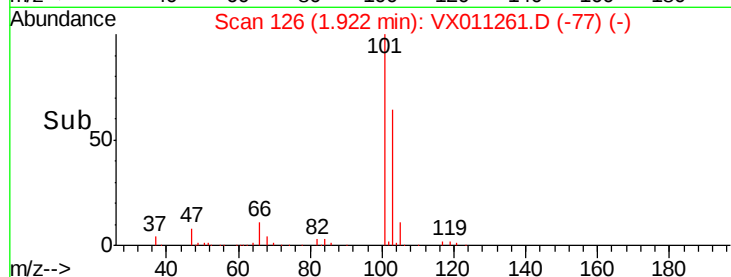
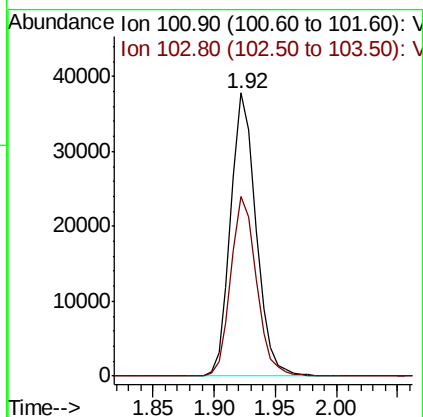
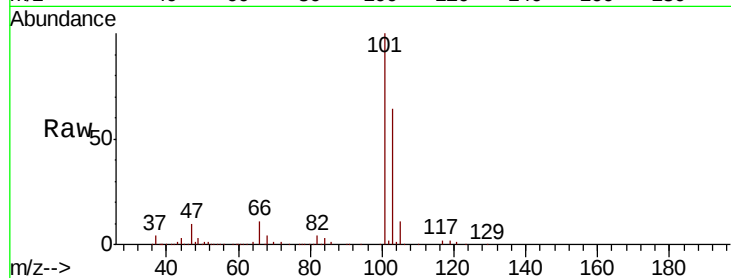


#7

Trichlorofluoromethane
 Concen: 19.834 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

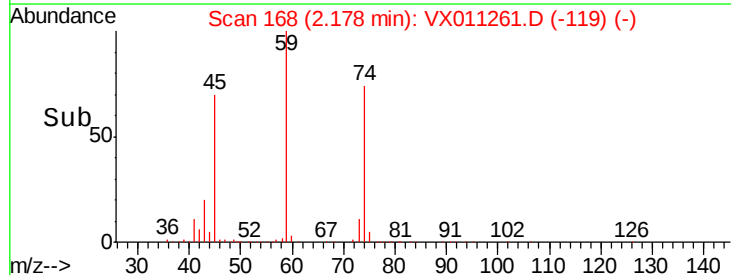
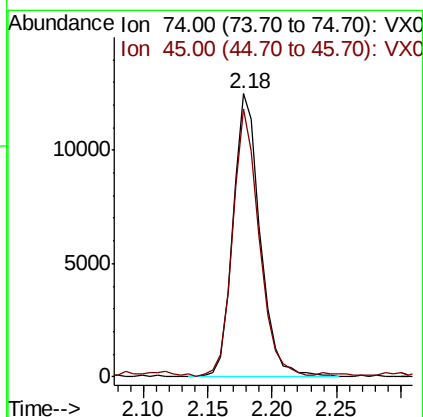
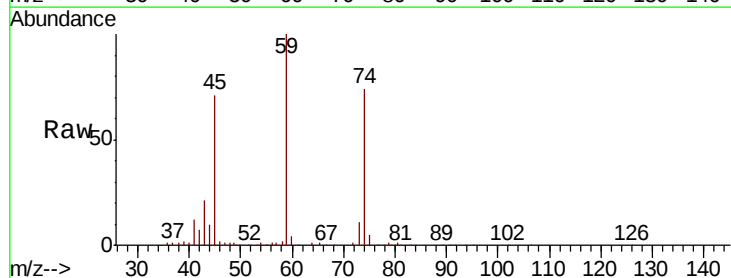
Tot Ion:101 Resp: 54366
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.9 76.3



#8

Diethyl Ether
 Concen: 19.332 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion: 74 Resp: 18306
 Ion Ratio Lower Upper
 74 100
 45 93.2 46.1 138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.278 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

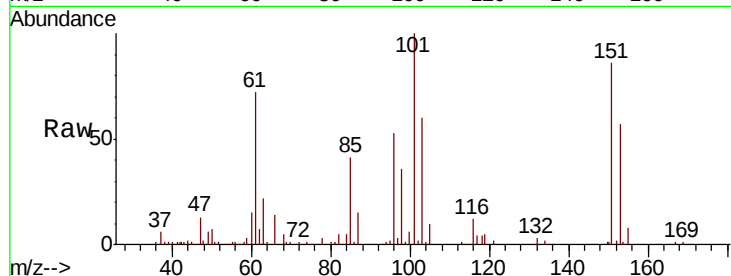
Tot Ion:101 Resp: 29887

Ion Ratio Lower Upper

101 100

85 42.1 33.8 50.6

151 86.4 69.5 104.3

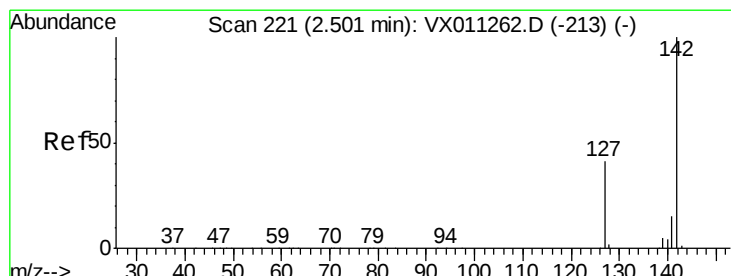
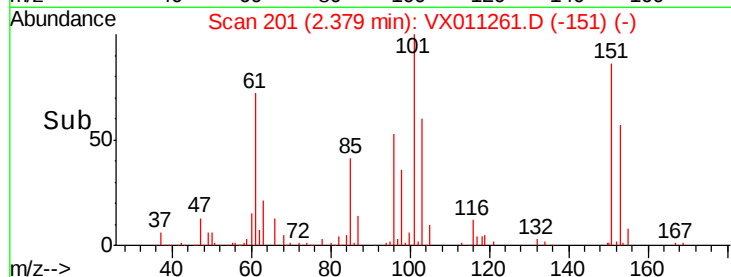
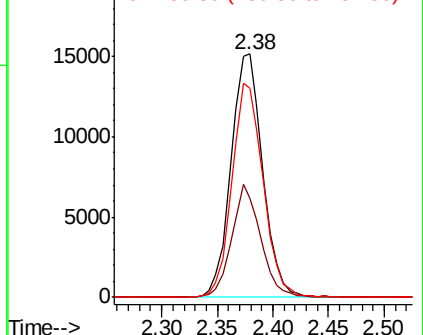


Abundance

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: 17.480 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

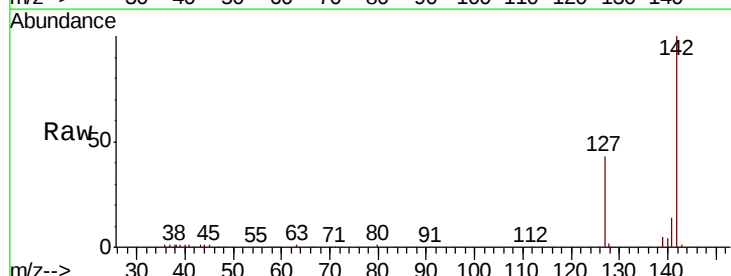
Tgt Ion:142 Resp: 35449

Ion Ratio Lower Upper

142 100

127 42.4 33.8 50.8

141 14.2 11.4 17.2

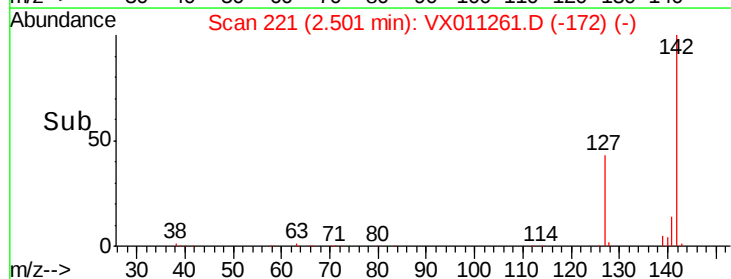
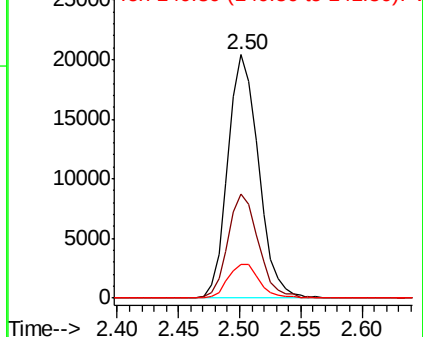


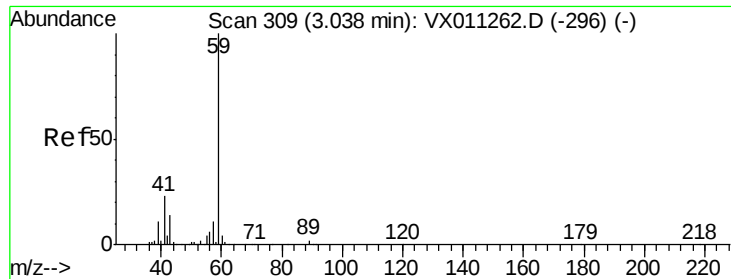
Abundance

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

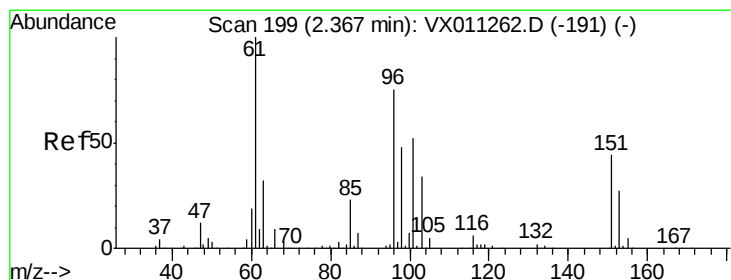
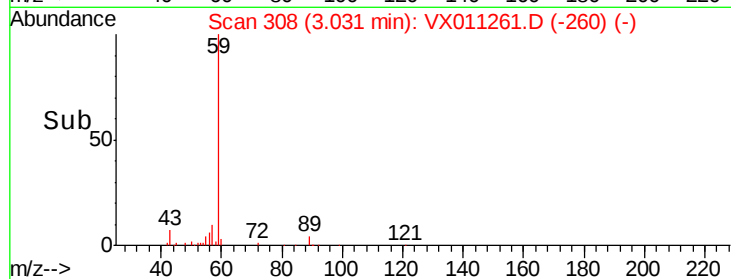
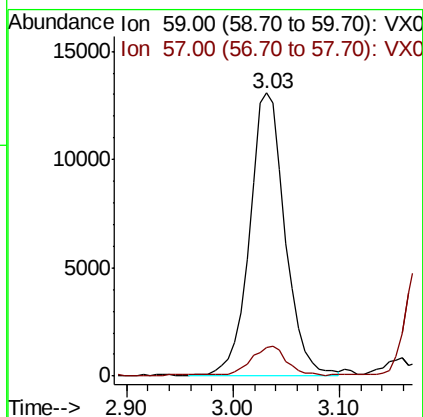
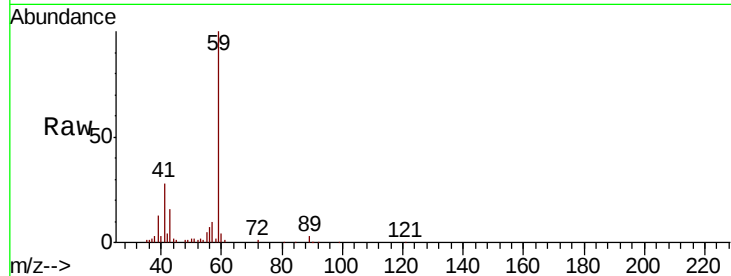




#11
Tert butyl alcohol
Concen: 73.900 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

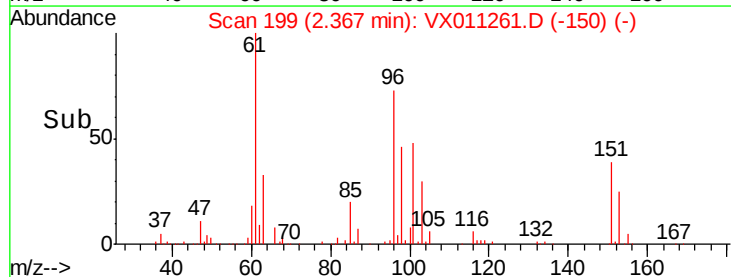
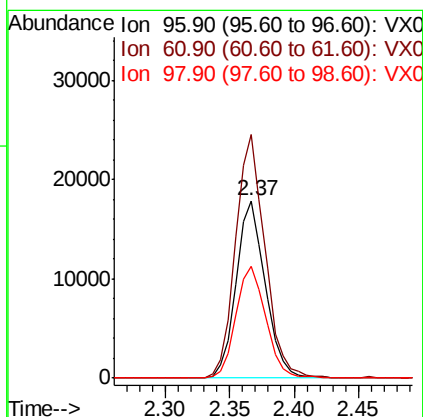
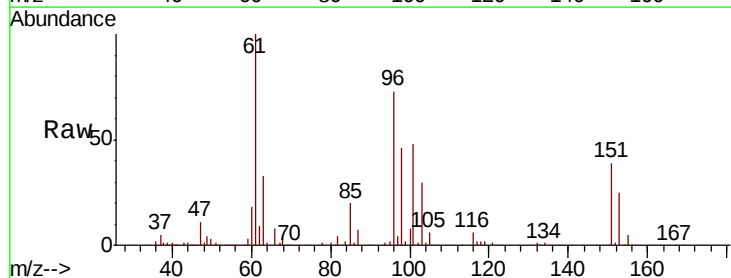
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

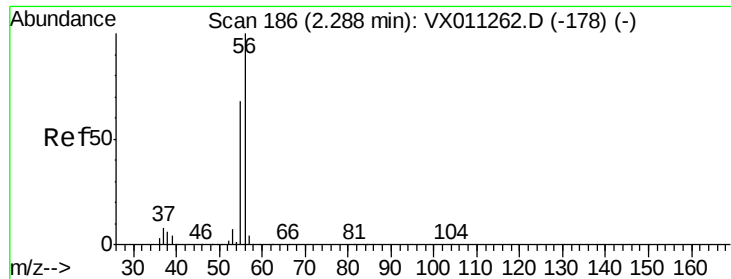
Tot Ion: 59 Resp: 30566
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5



#12
1,1-Dichloroethene
Concen: 18.504 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 96 Resp: 28064
Ion Ratio Lower Upper
96 100
61 137.2 106.2 159.2
98 62.8 50.6 75.8





#13

Acrolein

Concen: 85.302 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

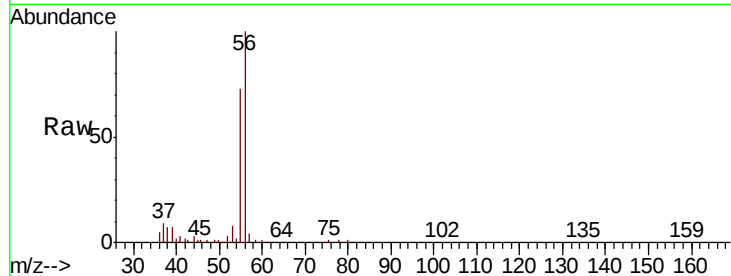
VSTDIC020

Tot Ion: 56 Resp: 20364

Ion Ratio Lower Upper

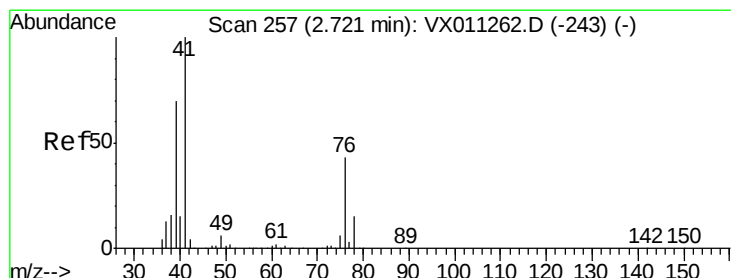
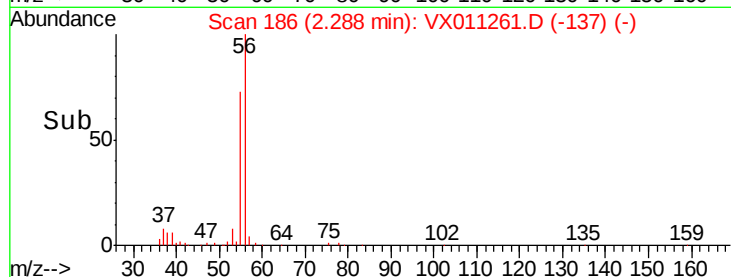
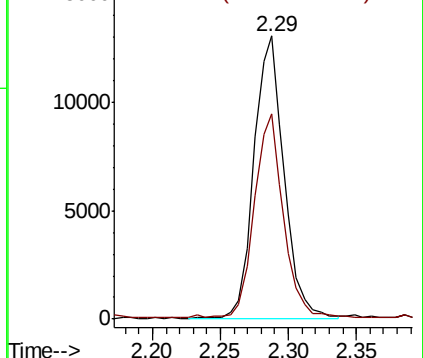
56 100

55 69.9 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 17.281 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

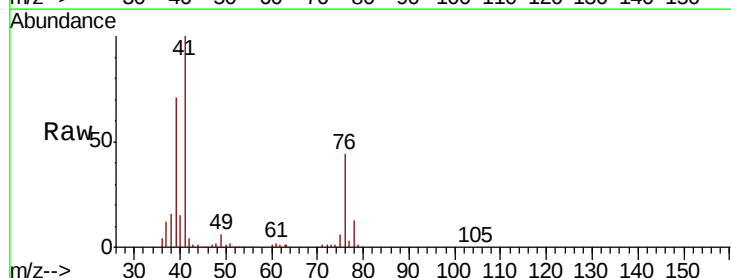
Tgt Ion: 41 Resp: 38017

Ion Ratio Lower Upper

41 100

39 68.1 52.8 79.2

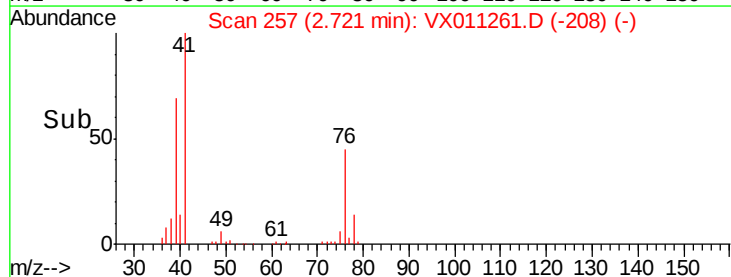
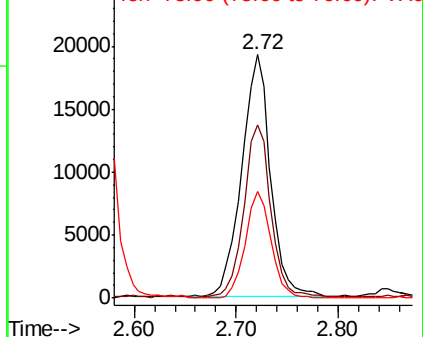
76 39.3 31.1 46.7



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





#15

Acrylonitrile

Concen: 87.367 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

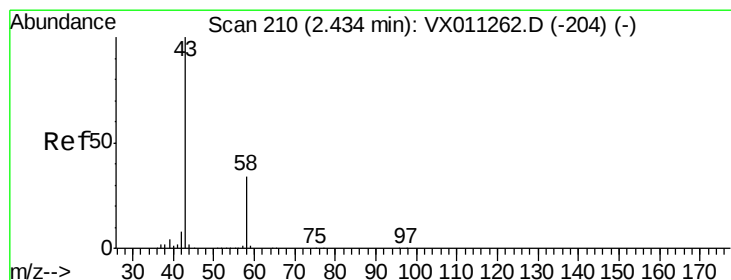
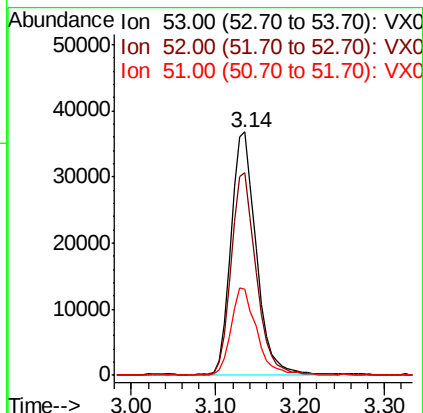
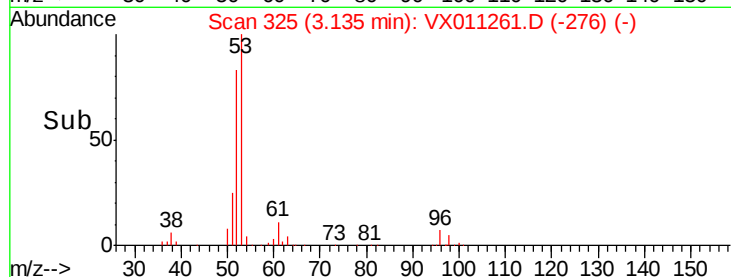
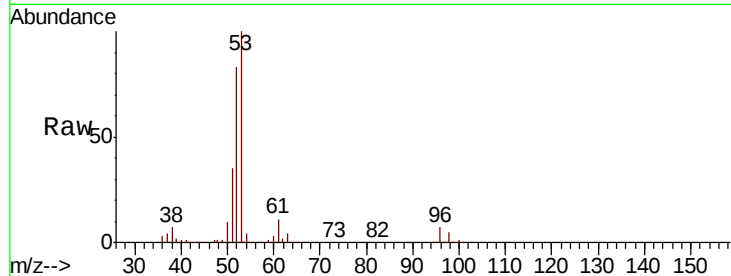
Tot Ion: 53 Resp: 74683

Ion Ratio Lower Upper

53 100

52 83.3 65.5 98.3

51 37.0 27.9 41.9



#16

Acetone

Concen: 94.278 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011261.D

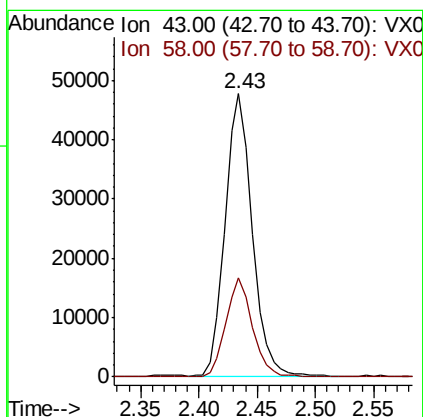
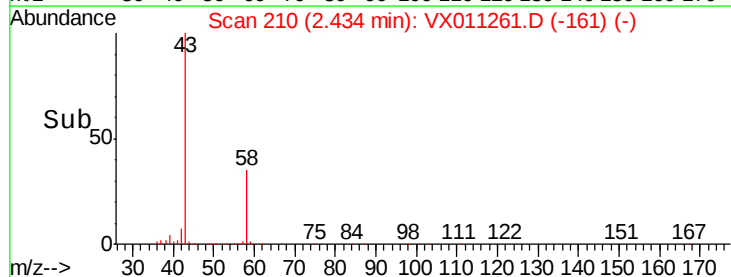
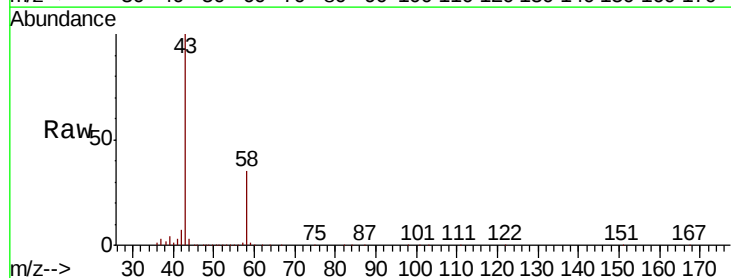
Acq: 01 Aug 2019 15:50

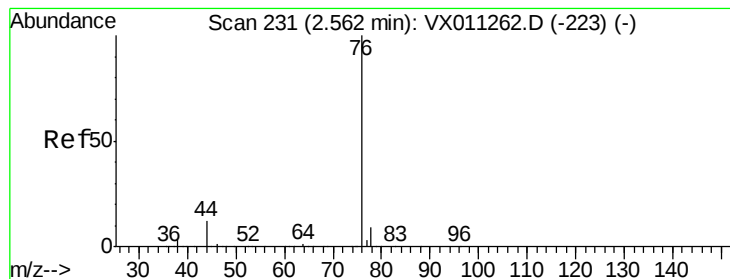
Tgt Ion: 43 Resp: 77150

Ion Ratio Lower Upper

43 100

58 34.8 27.4 41.0





#17

Carbon Disulfide

Concen: 17.144 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

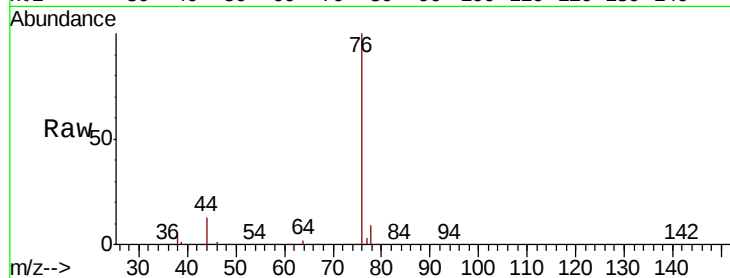
VSTDIC020

Tot Ion: 76 Resp: 66138

Ion Ratio Lower Upper

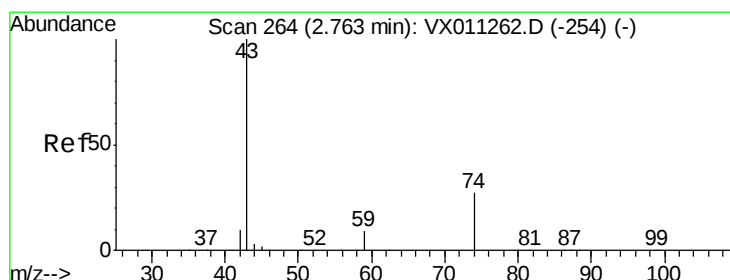
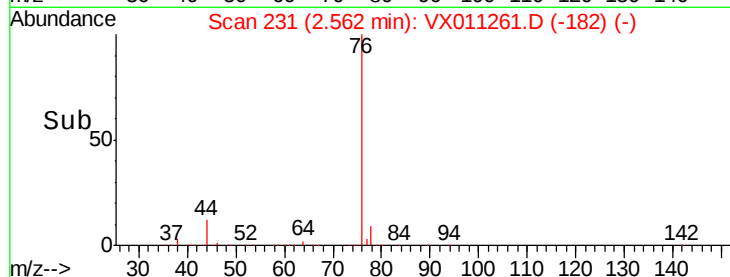
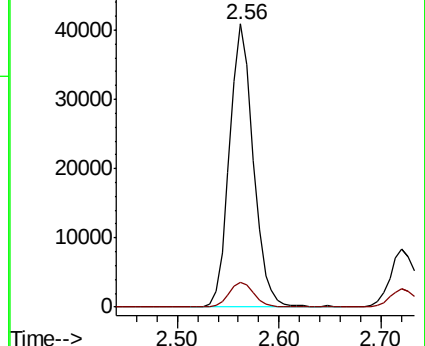
76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.987 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011261.D

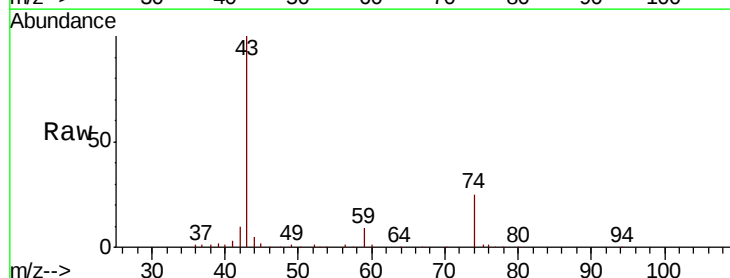
Acq: 01 Aug 2019 15:50

Tgt Ion: 43 Resp: 33893

Ion Ratio Lower Upper

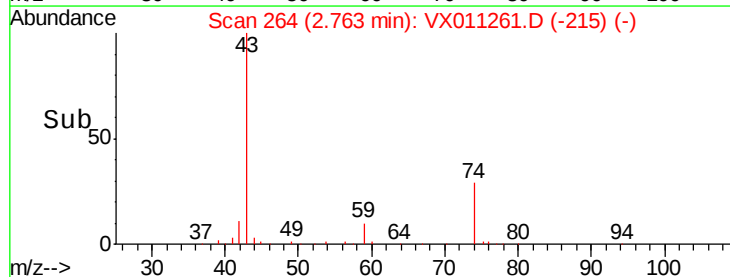
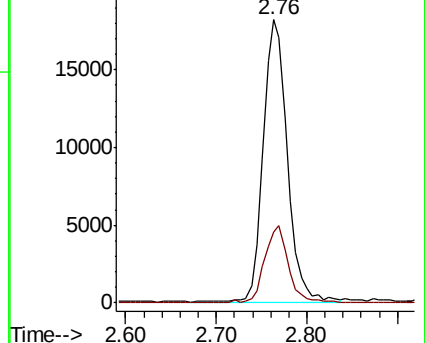
43 100

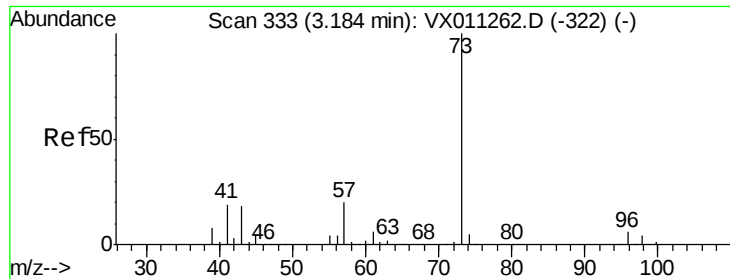
74 26.9 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

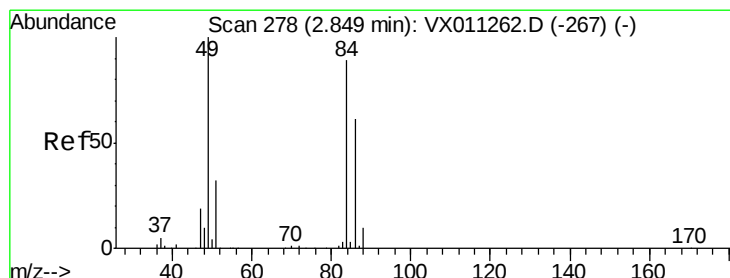
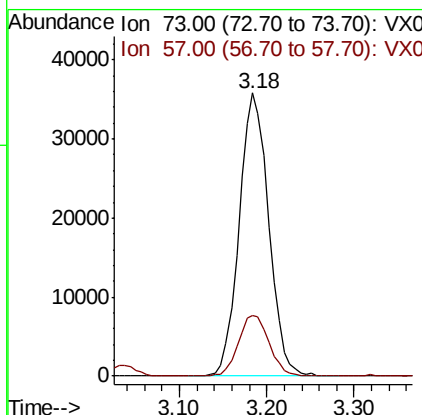
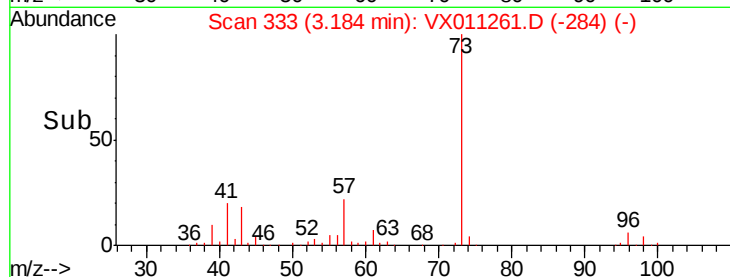
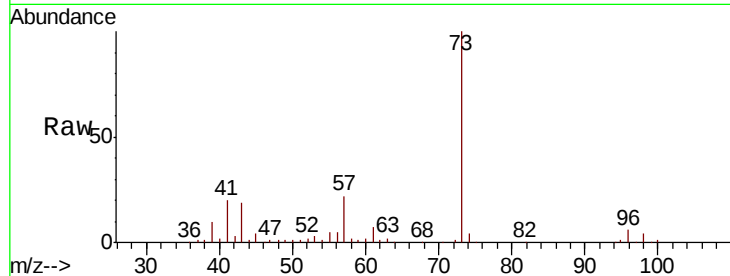




#19
Methvl tert-butvl Ether
Concen: 17.180 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

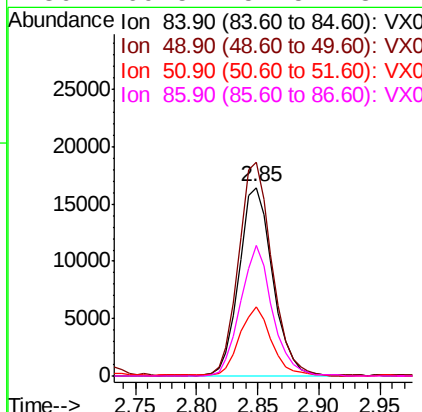
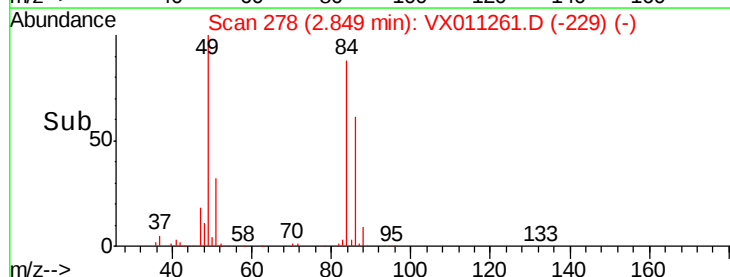
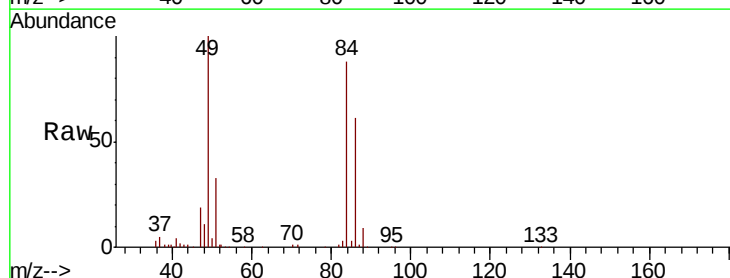
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

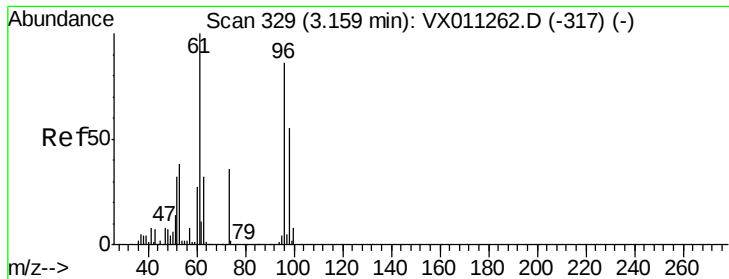
Tot Ion: 73 Resp: 83763
Ion Ratio Lower Upper
73 100
57 21.6 16.2 24.2



#20
Methylene Chloride
Concen: 18.029 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 84 Resp: 31427
Ion Ratio Lower Upper
84 100
49 112.9 89.3 133.9
51 36.7 28.3 42.5
86 69.5 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 18.401 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

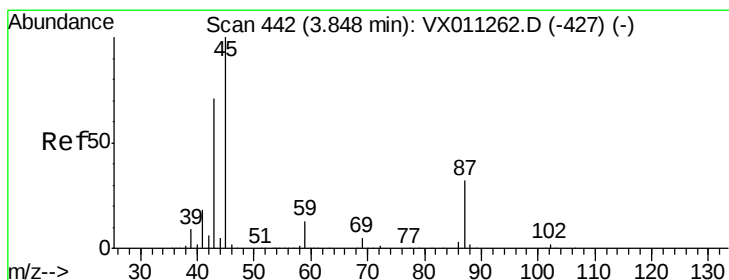
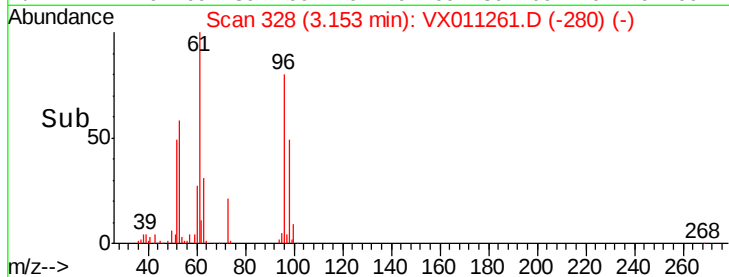
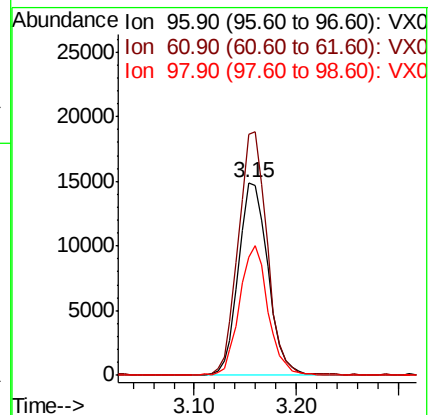
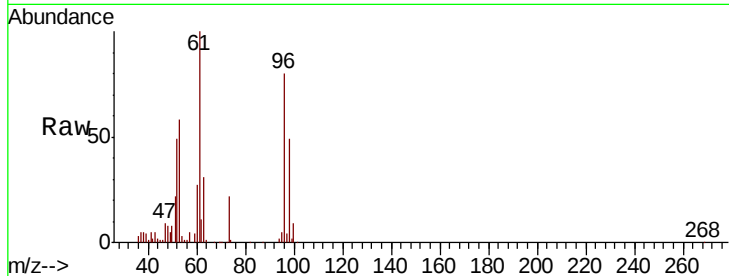
Tot Ion: 96 Resp: 29855

Ion Ratio Lower Upper

96 100

61 124.7 92.8 139.2

98 61.1 51.2 76.8



#22

Diisopropyl ether

Concen: 17.875 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion: 45 Resp: 83106

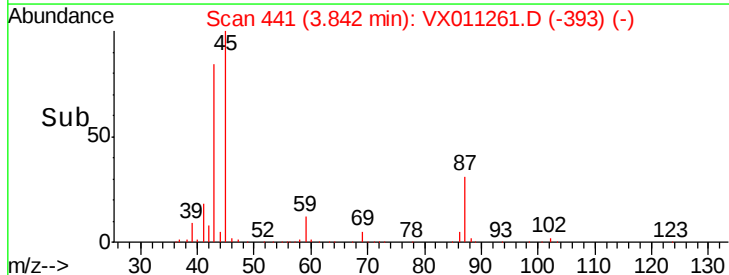
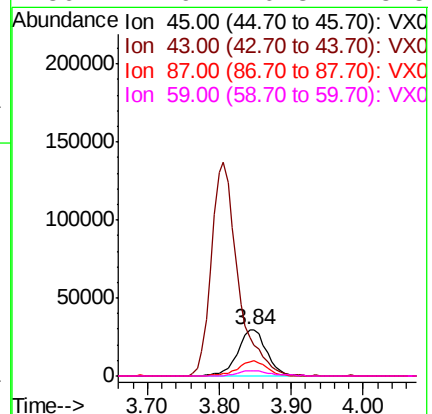
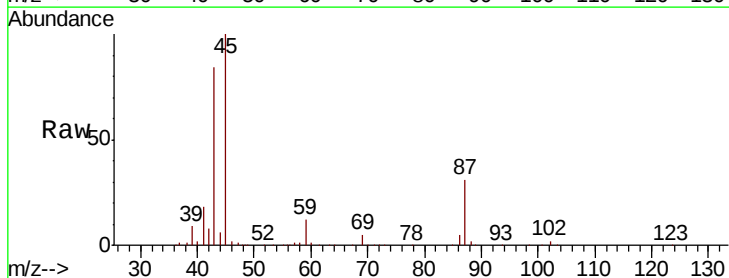
Ion Ratio Lower Upper

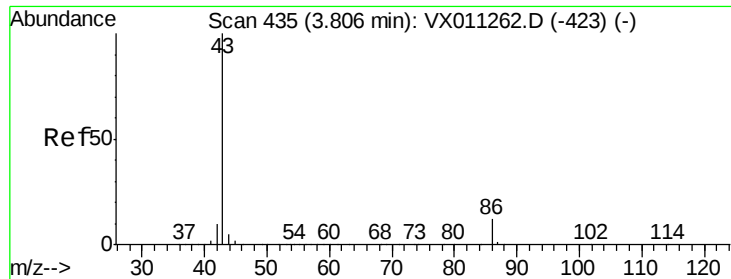
45 100

43 82.9 56.8 85.2

87 31.1 25.8 38.6

59 11.9 10.3 15.5





#23

Vinyl Acetate

Concen: 89.207 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

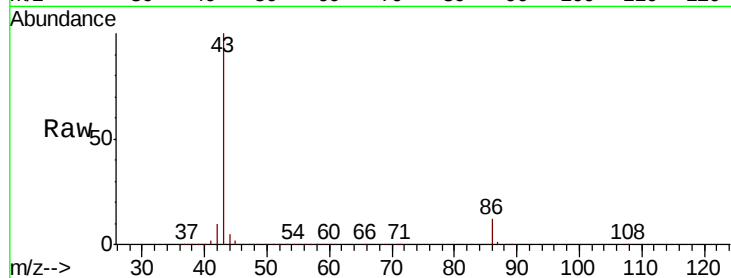
VSTDIC020

Tot Ion: 43 Resp: 351593

Ion Ratio Lower Upper

43 100

86 11.6 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

150000

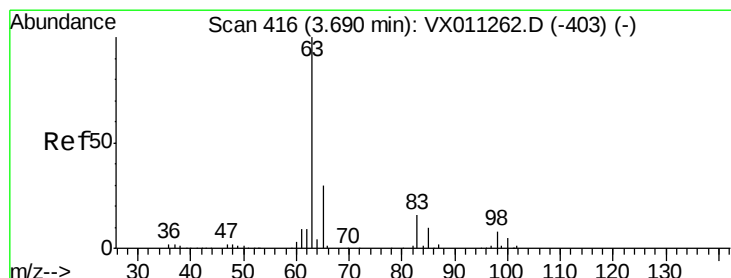
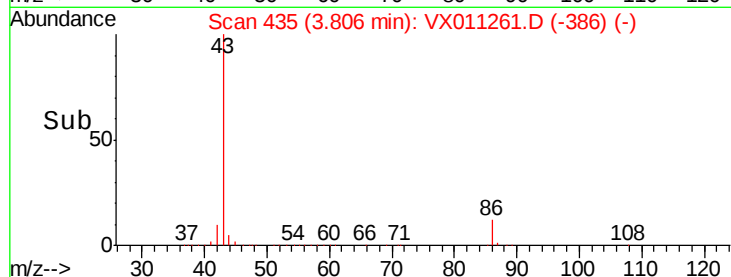
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 17.791 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

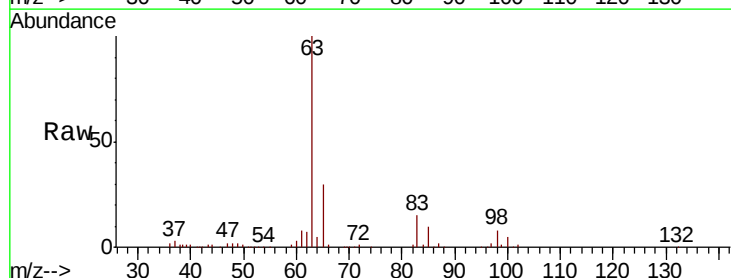
Tgt Ion: 63 Resp: 48243

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 5.4 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

25000

20000

15000

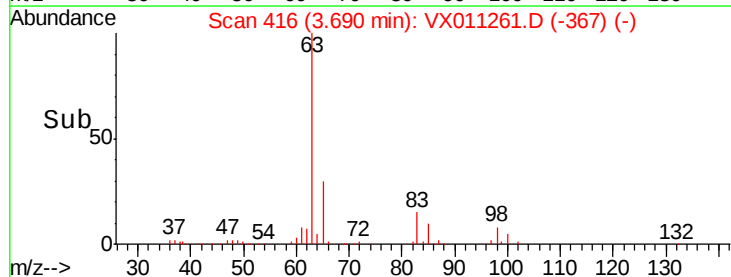
10000

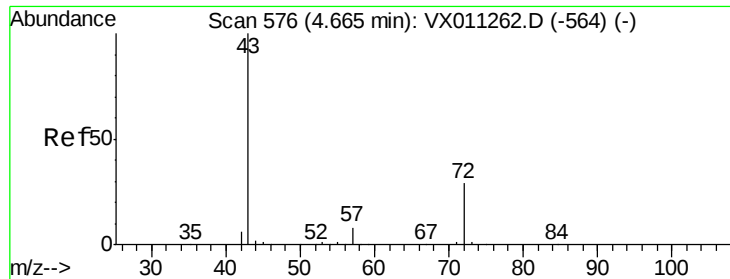
5000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 90.959 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

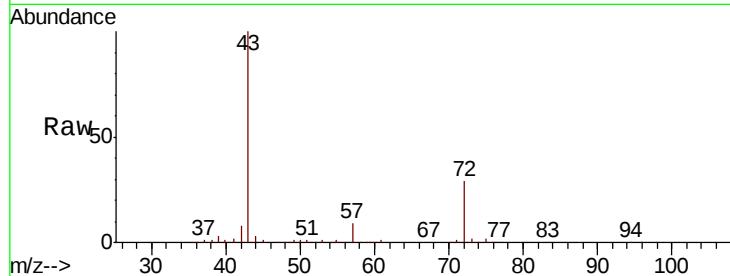
VSTDIC020

Tot Ion: 43 Resp: 107142

Ion Ratio Lower Upper

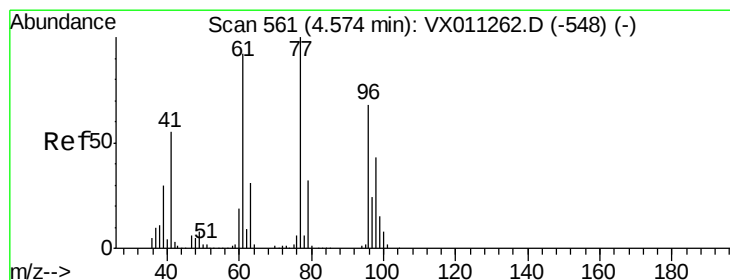
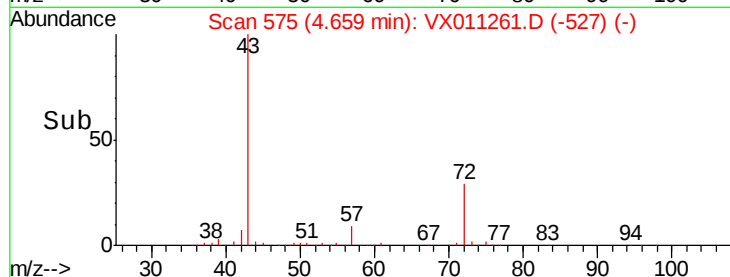
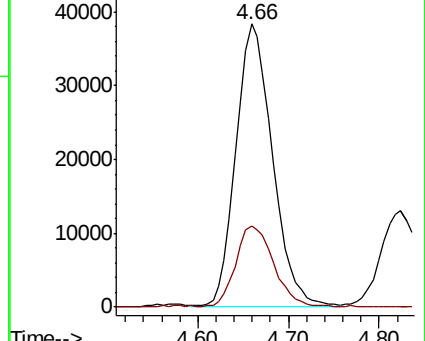
43 100

72 28.4 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: 17.276 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011261.D

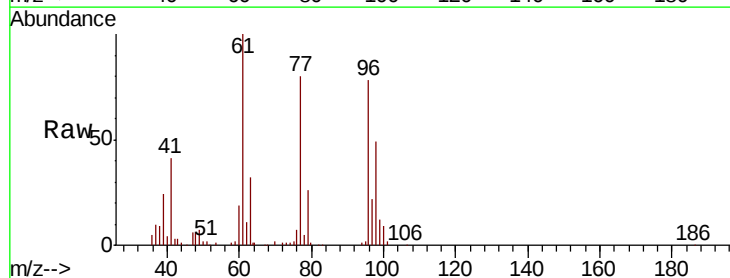
Acq: 01 Aug 2019 15:50

Tgt Ion: 77 Resp: 38187

Ion Ratio Lower Upper

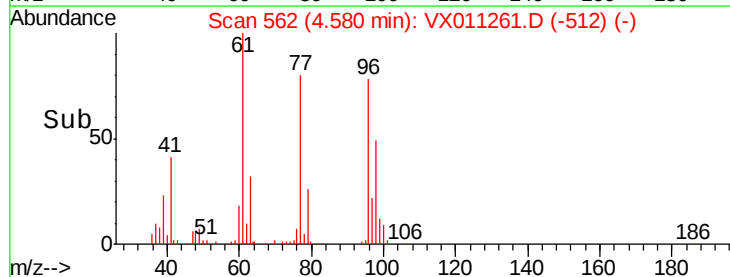
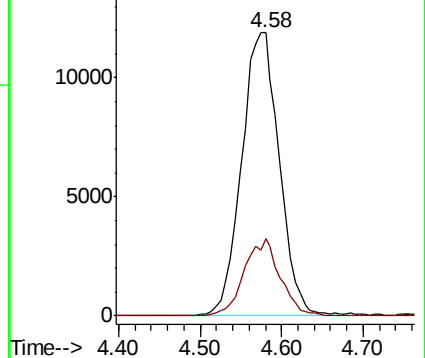
77 100

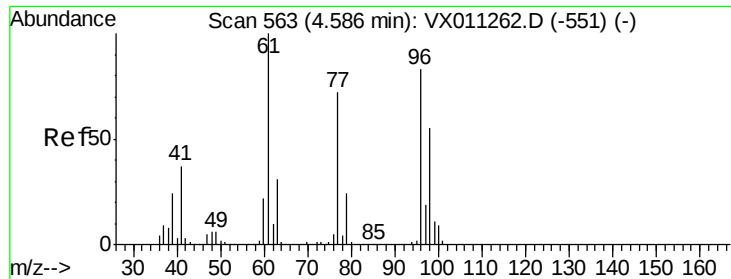
97 25.9 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



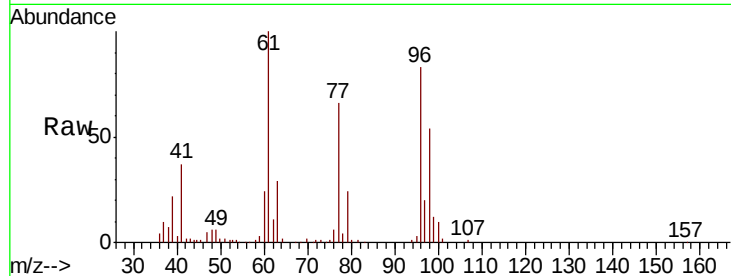


#27

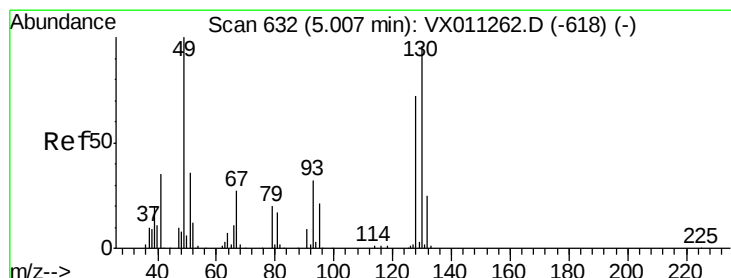
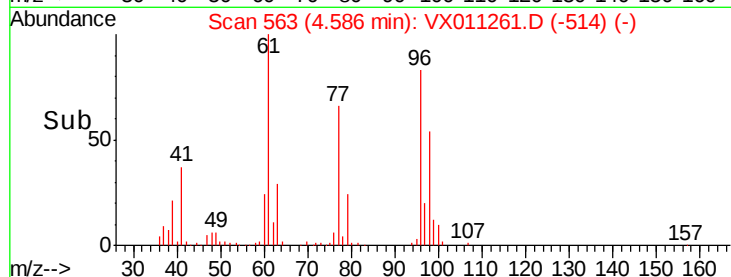
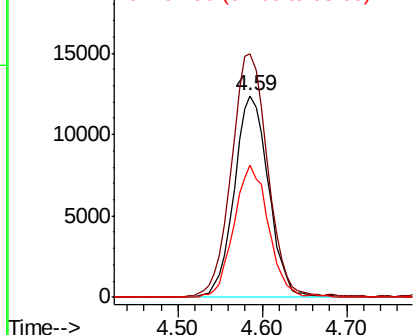
cis-1,2-Dichloroethene
Concen: 18.192 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 34092
Ion Ratio Lower Upper
96 100
61 128.0 0.0 260.2
98 65.9 0.0 133.2



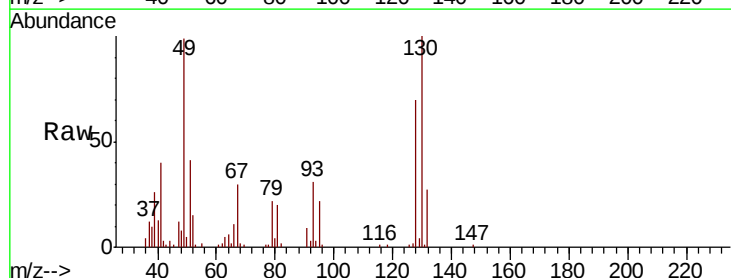
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



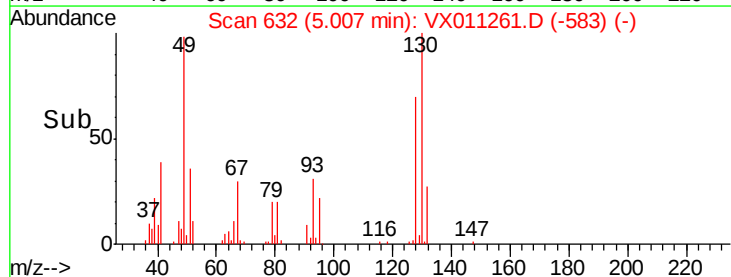
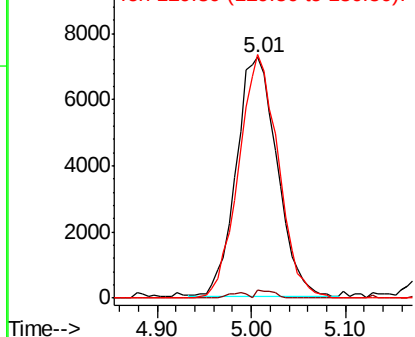
#28

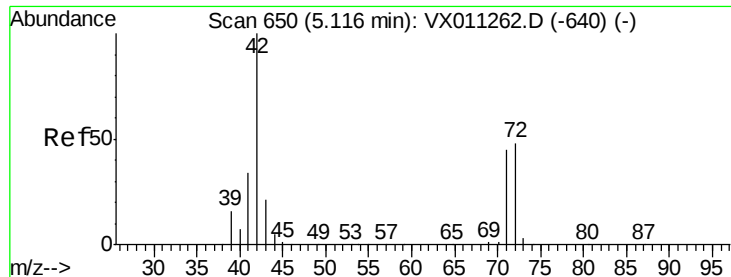
Bromochloromethane
Concen: 17.236 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 49 Resp: 21783
Ion Ratio Lower Upper
49 100
129 1.6 0.0 5.8
130 98.8 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: 86.024 ug/l

RT: 5.12 min Scan# 650

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

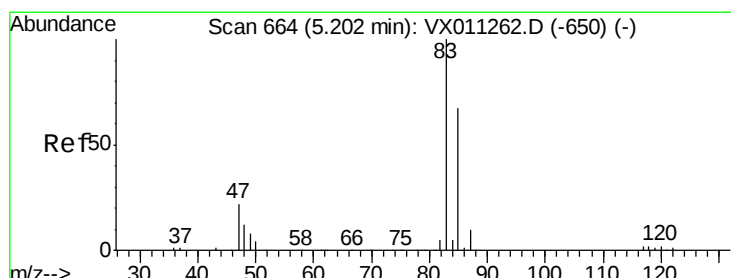
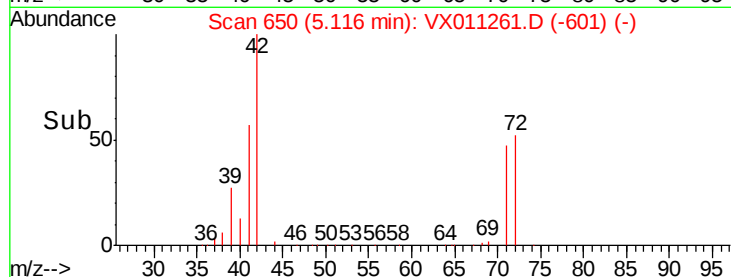
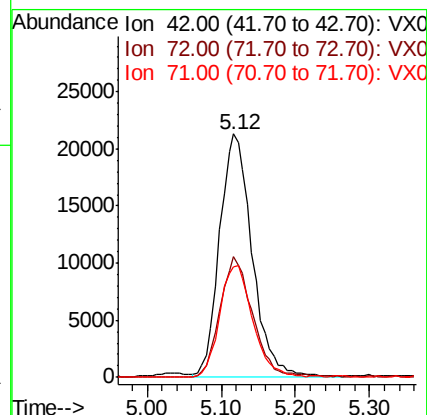
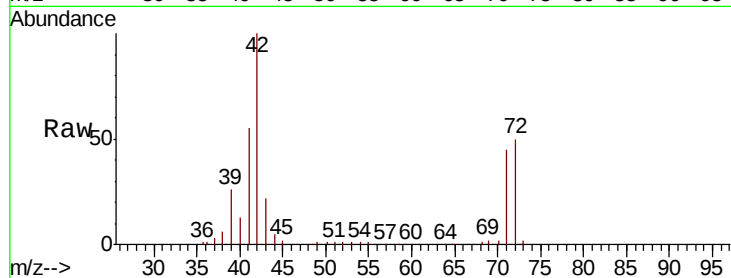
Tot Ion: 42 Resp: 64079

Ion Ratio Lower Upper

42 100

72 50.8 39.9 59.9

71 46.9 36.9 55.3



#30

Chloroform

Concen: 18.237 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.00 min

Lab File: VX011261.D

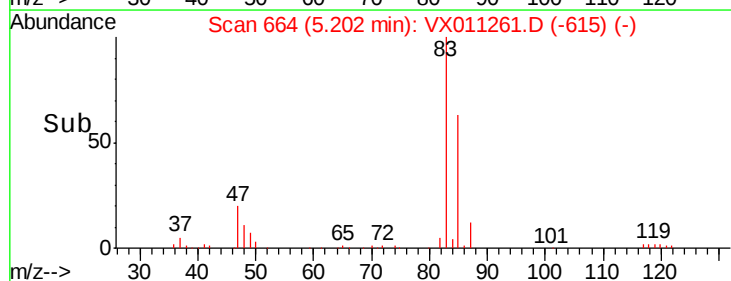
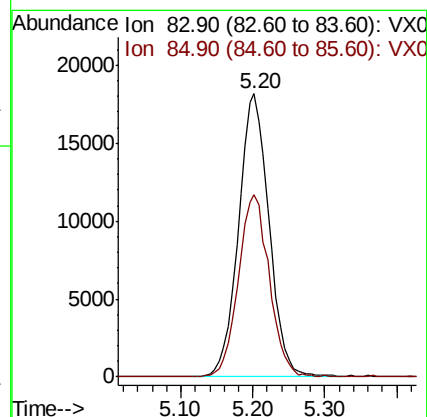
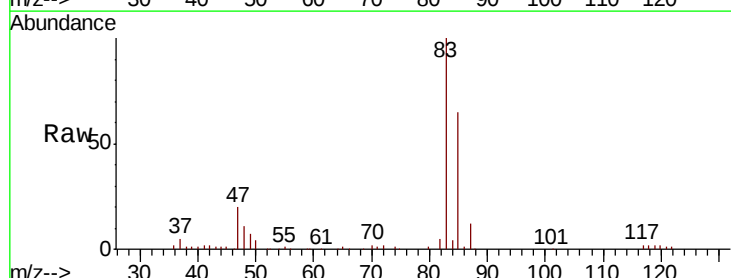
Acq: 01 Aug 2019 15:50

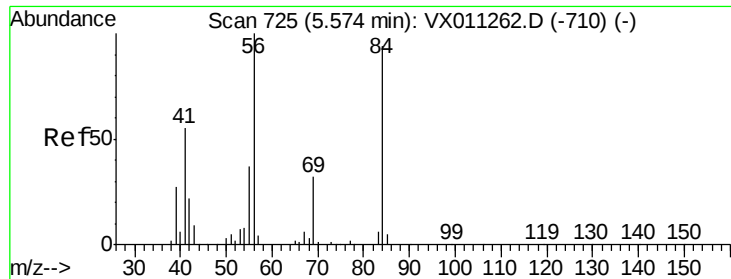
Tgt Ion: 83 Resp: 53496

Ion Ratio Lower Upper

83 100

85 64.6 53.4 80.0

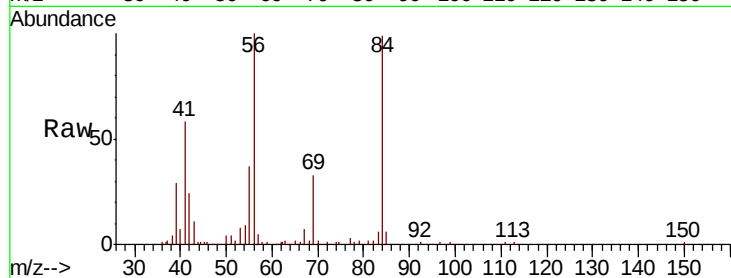




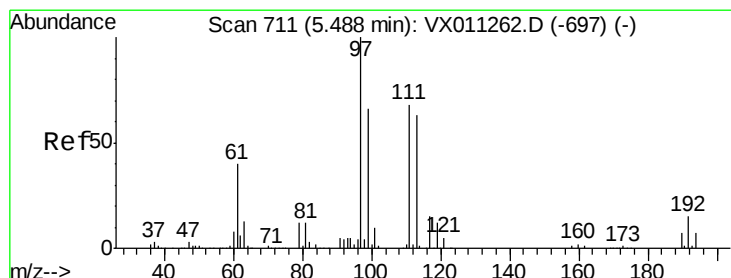
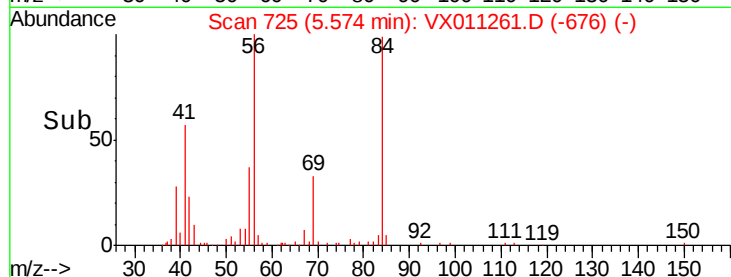
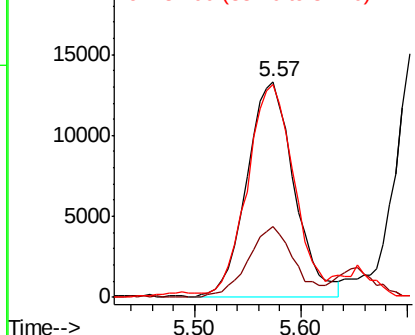
#31
Cyclohexane
Concen: 16.877 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 41029
Ion Ratio Lower Upper
56 100
69 32.7 25.5 38.3
84 97.1 75.0 112.4

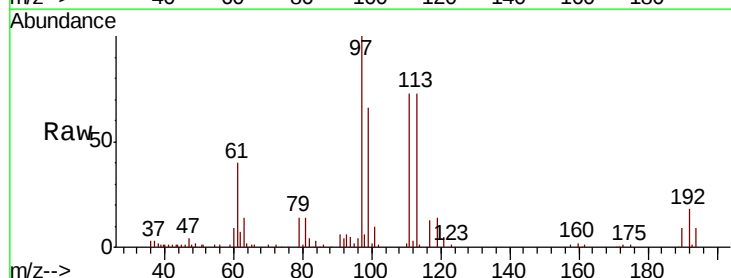


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

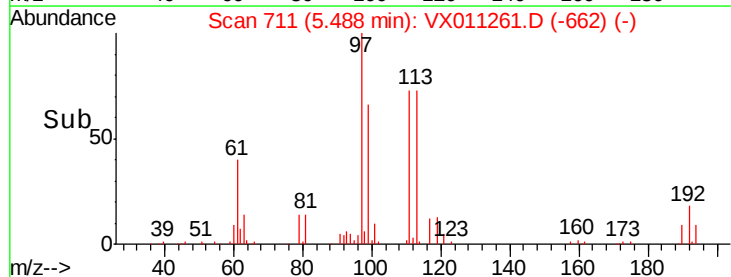
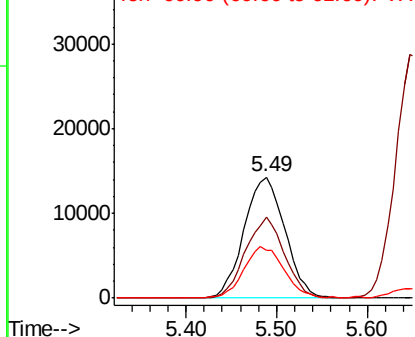


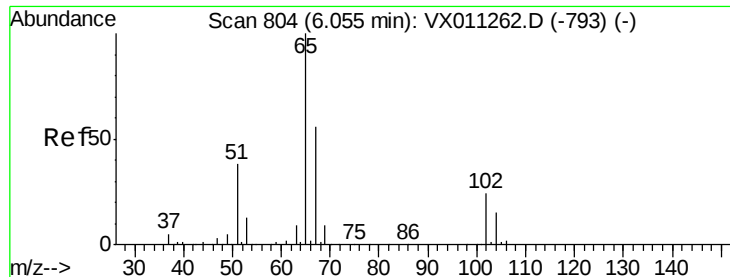
#32
1,1,1-Trichloroethane
Concen: 17.627 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 97 Resp: 44592
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 40.8 32.3 48.5



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 17.244 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampled :

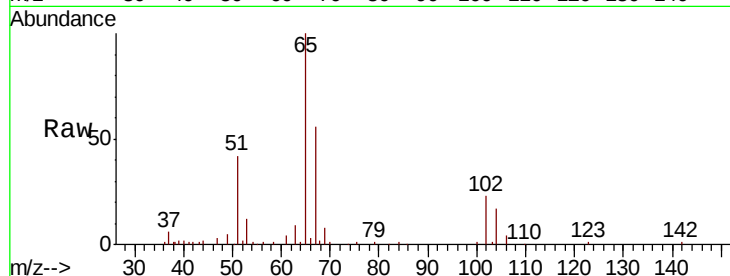
VSTDIC020

Tot Ion: 65 Resp: 30828

Ion Ratio Lower Upper

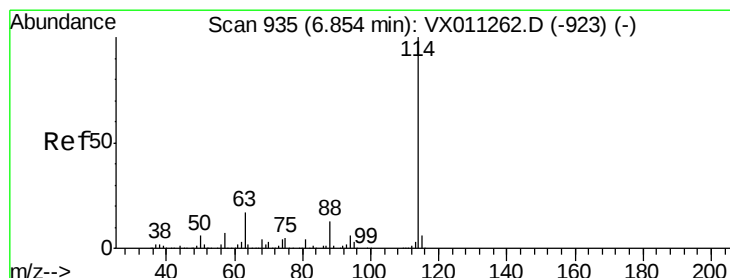
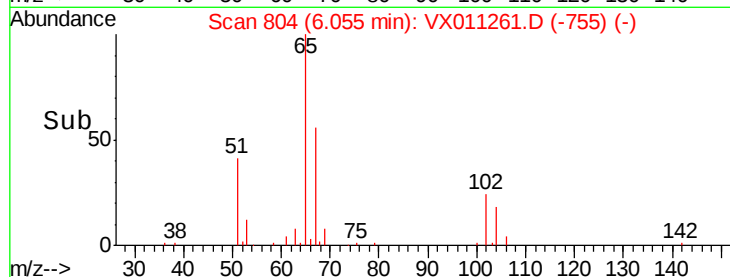
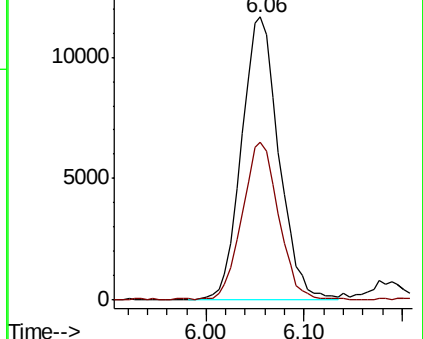
65 100

67 54.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

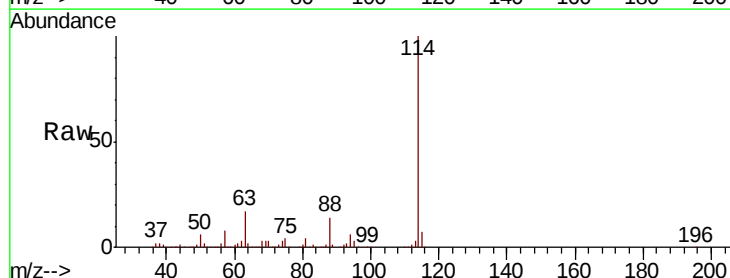
Tgt Ion: 114 Resp: 237873

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.0

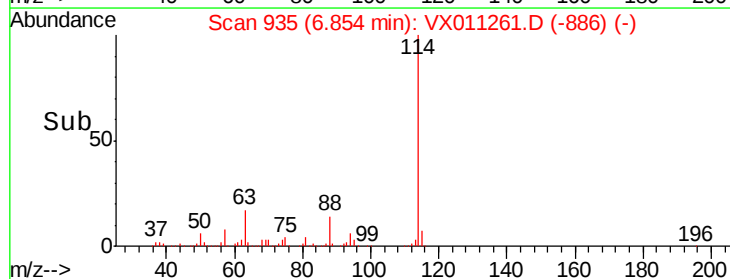
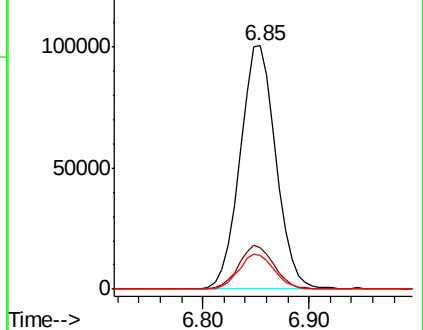
88 14.1 0.0 26.4

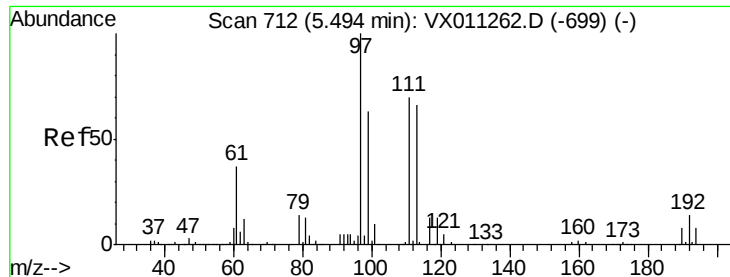


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

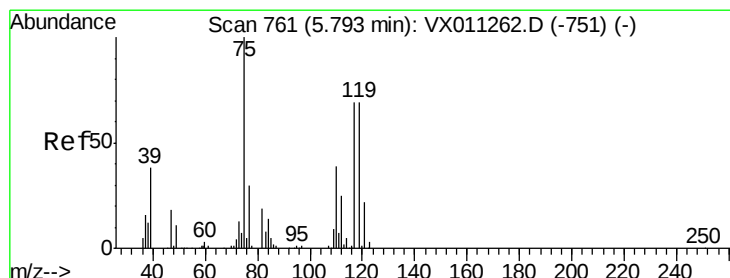
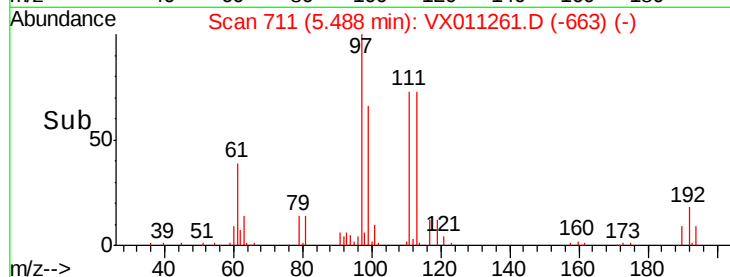
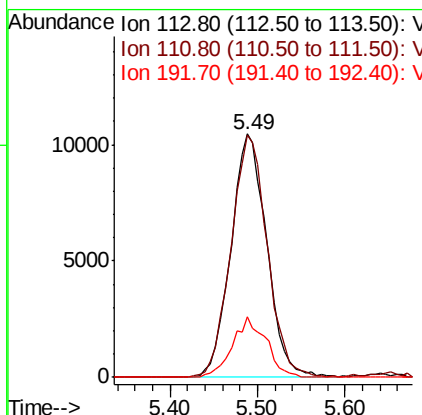
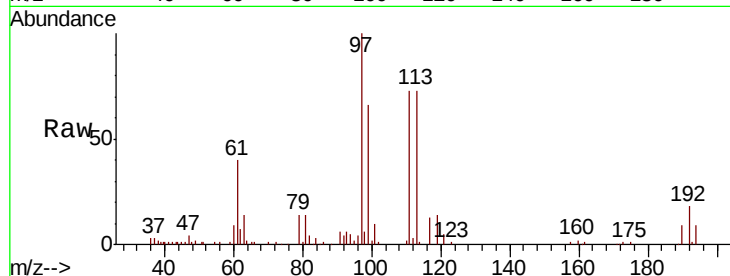




#35
 Dibromofluoromethane
 Concen: 19.731 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

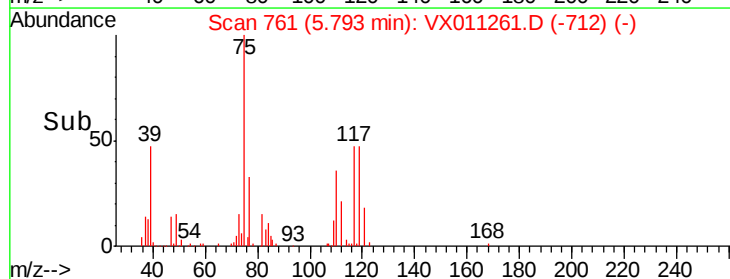
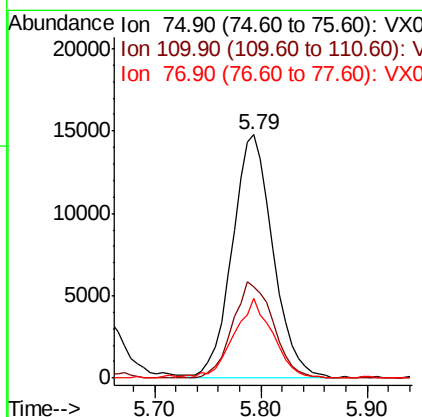
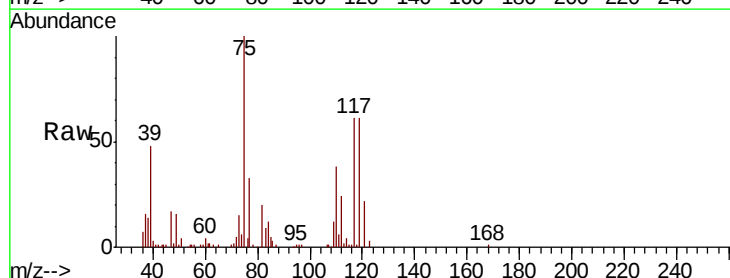
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

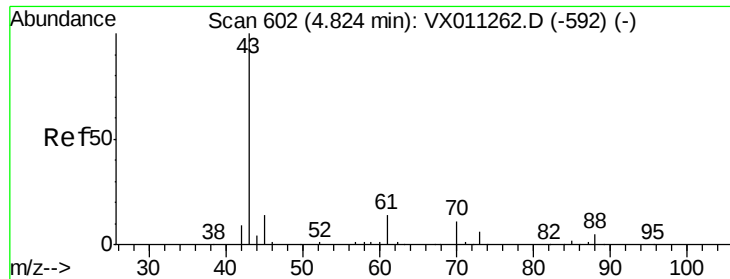
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.9	122.9
192	23.3	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 20.056 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.7	20.0	59.9
77	31.3	24.8	37.2





#37

Ethyl Acetate

Concen: 18.728 ug/l

RT: 4.82 min Scan# 602

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

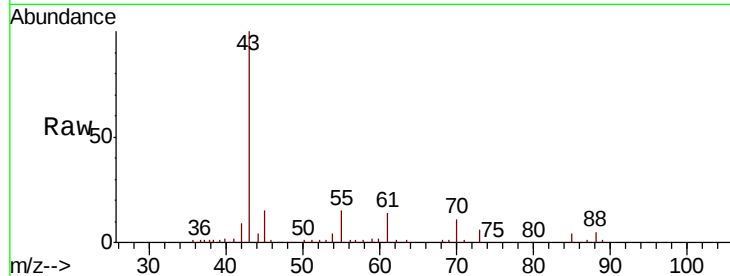
Tot Ion: 43 Resp: 37540

Ion Ratio Lower Upper

43 100

61 16.7 12.6 18.8

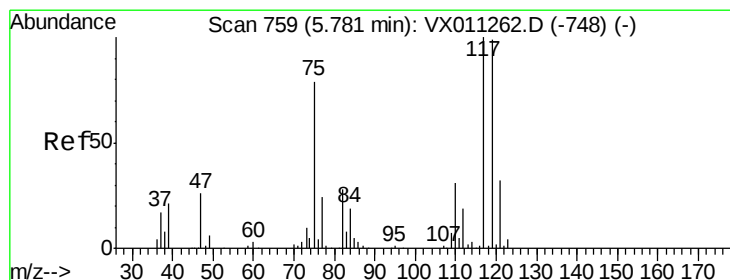
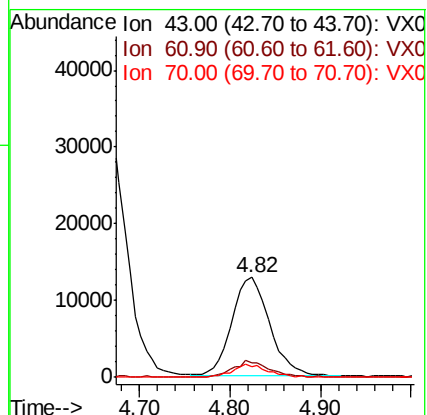
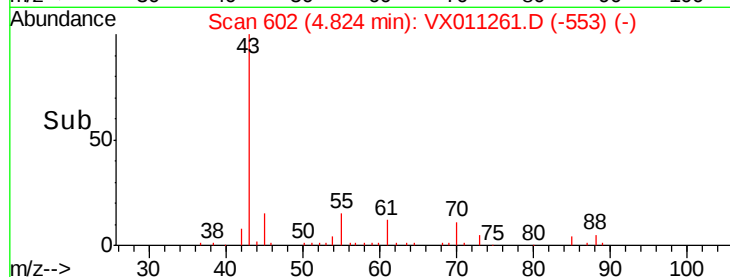
70 12.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 19.046 ug/l

RT: 5.77 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

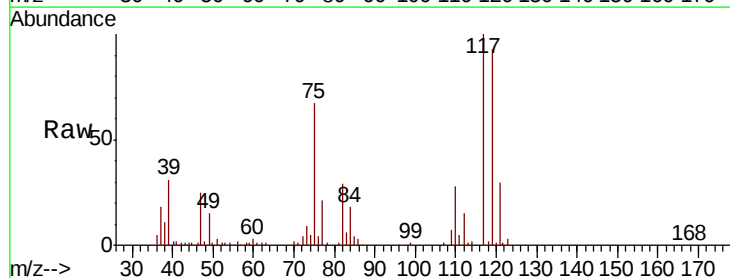
Tgt Ion: 117 Resp: 39139

Ion Ratio Lower Upper

117 100

119 92.7 79.0 118.4

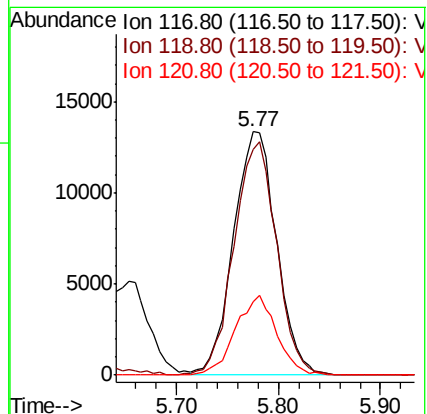
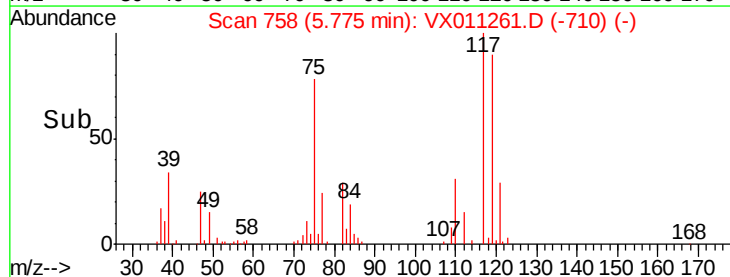
121 30.4 25.9 38.9

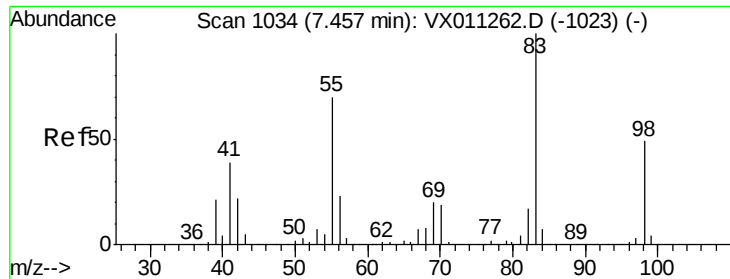


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

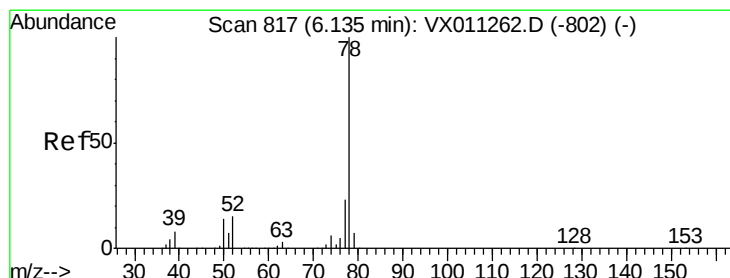
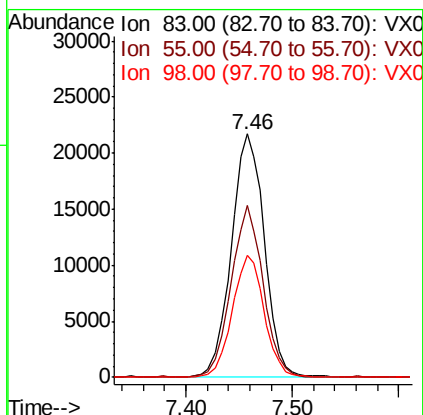
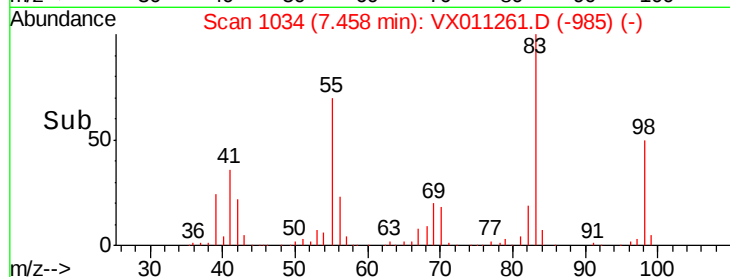
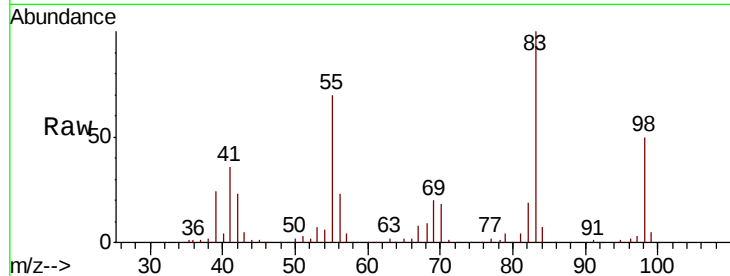




#39
Methvlcvclohexane
Concen: 18.702 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

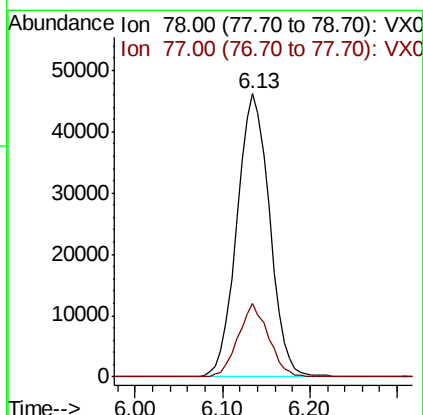
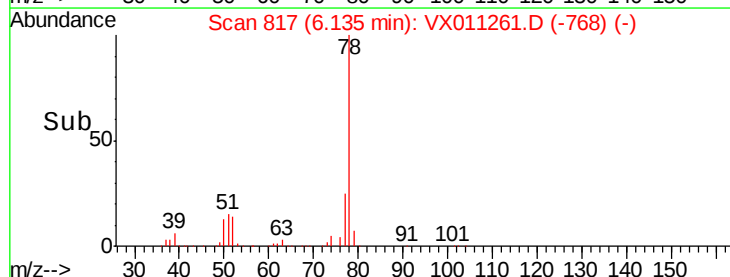
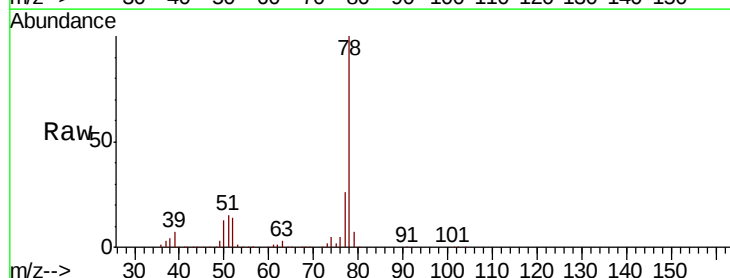
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

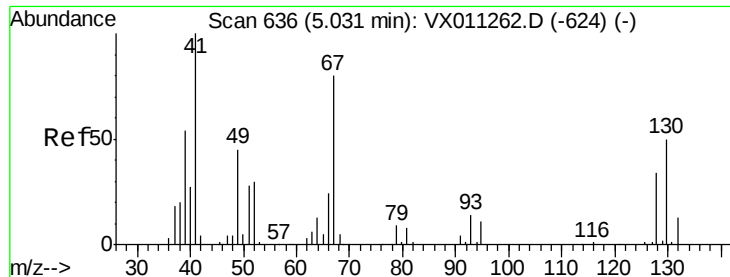
Tot Ion: 83 Resp: 47174
Ion Ratio Lower Upper
83 100
55 70.2 56.1 84.1
98 49.9 39.0 58.4



#40
Benzene
Concen: 19.887 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 78 Resp: 120341
Ion Ratio Lower Upper
78 100
77 25.8 18.2 27.2





#41

Methacrylonitrile

Concen: 18.206 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 20949

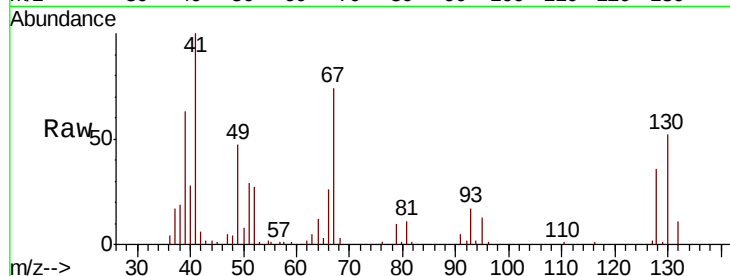
Ion Ratio Lower Upper

41 100

39 54.4 43.0 64.6

67 83.9 65.1 97.7

52 32.5 24.8 37.2

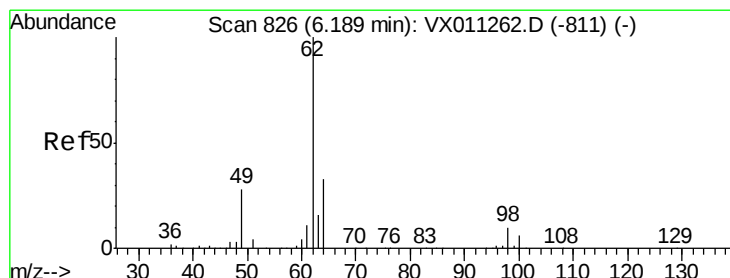
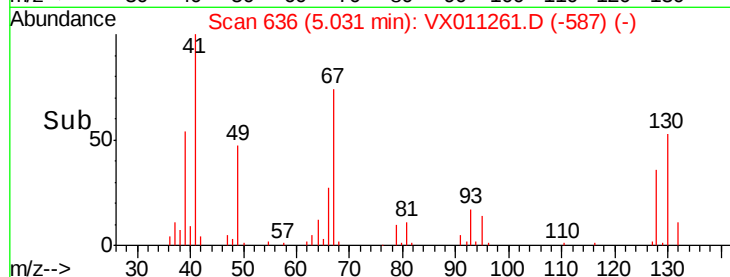
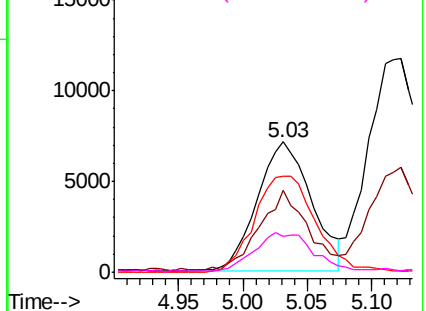


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.725 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011261.D

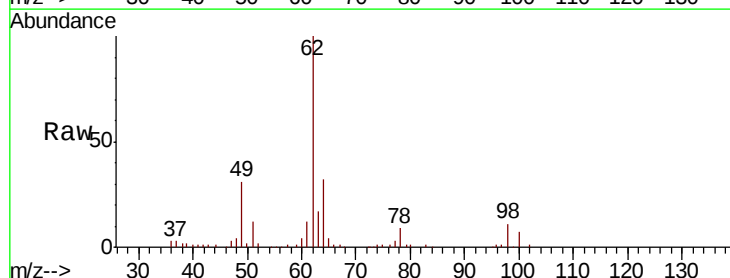
Acq: 01 Aug 2019 15:50

Tgt Ion: 62 Resp: 39204

Ion Ratio Lower Upper

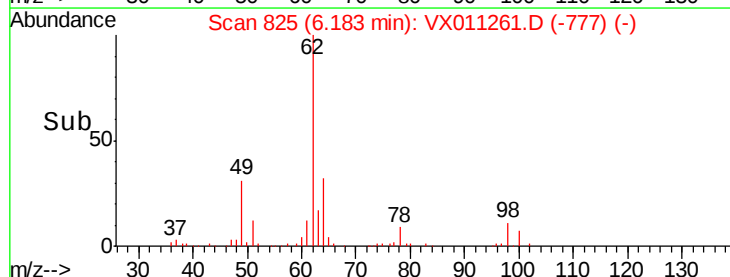
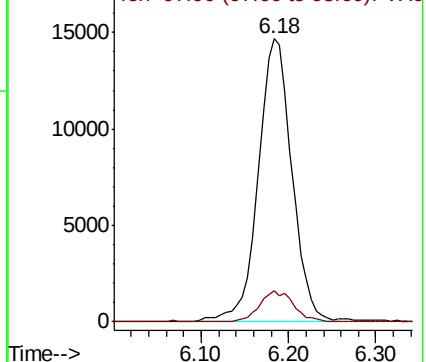
62 100

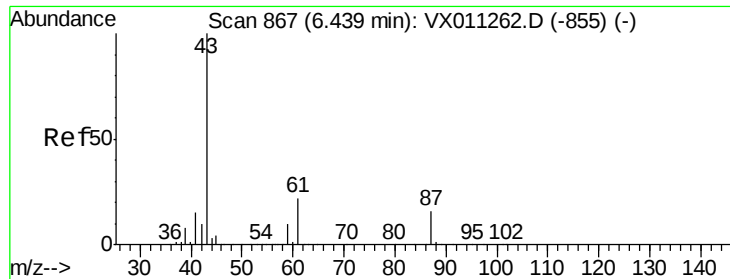
98 11.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



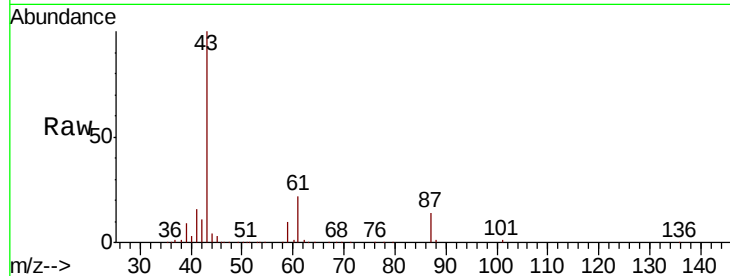


#43

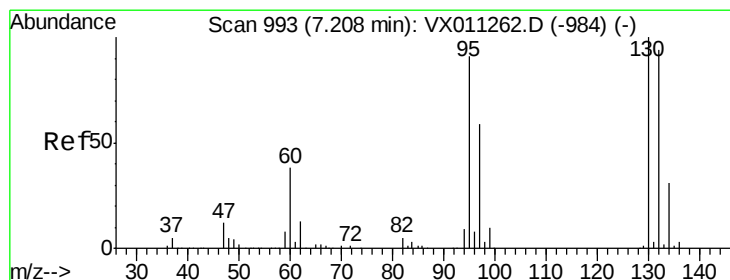
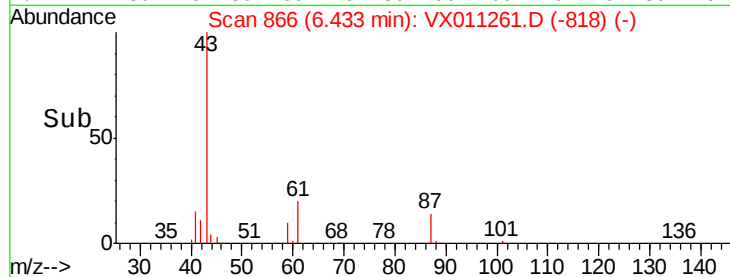
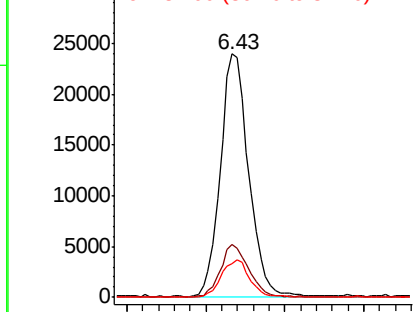
Isopropyl Acetate
 Concen: 18.080 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 59726
 Ion Ratio Lower Upper
 43 100
 61 21.7 16.5 24.7
 87 15.8 12.1 18.1



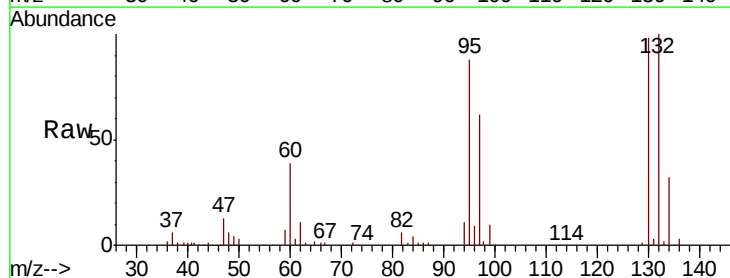
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



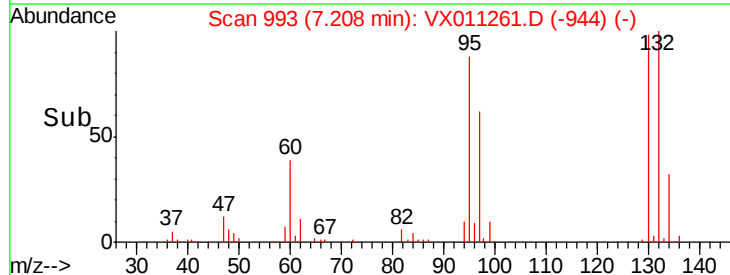
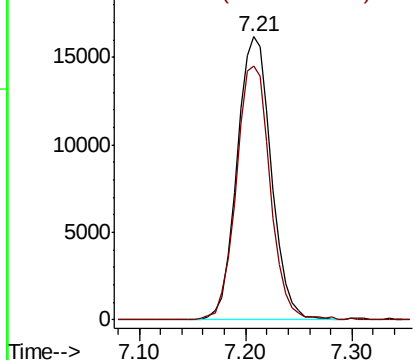
#44

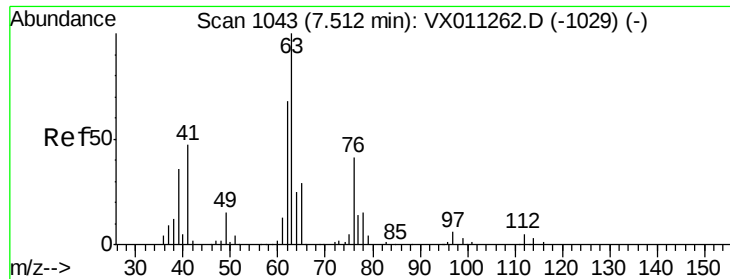
Trichloroethene
 Concen: 20.357 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion: 130 Resp: 36514
 Ion Ratio Lower Upper
 130 100
 95 89.5 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: 19.459 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

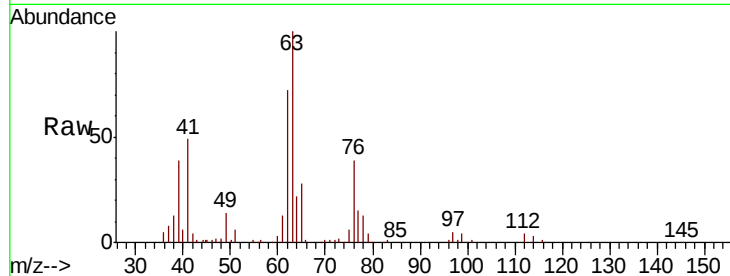
VSTDIC020

Tot Ion: 63 Resp: 29963

Ion Ratio Lower Upper

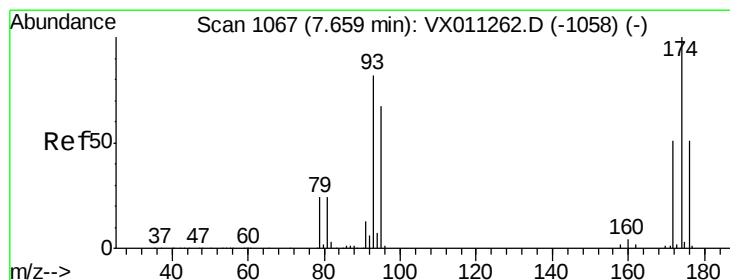
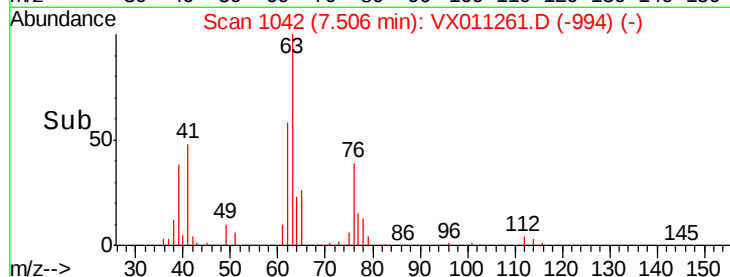
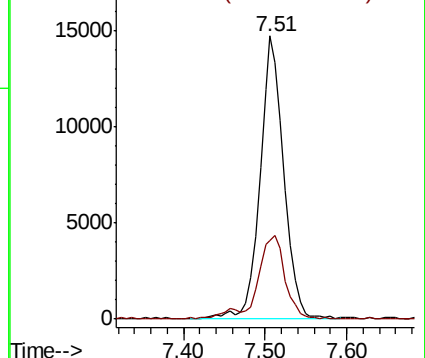
63 100

65 27.7 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.921 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

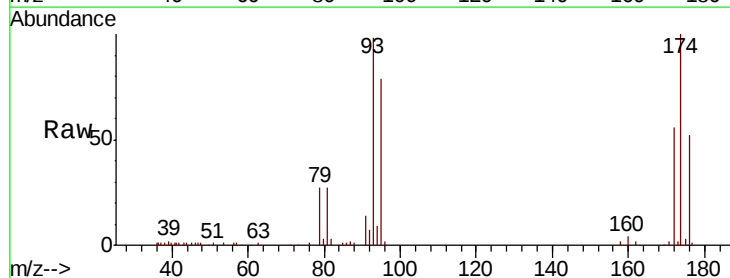
Tgt Ion: 93 Resp: 21904

Ion Ratio Lower Upper

93 100

95 83.5 66.4 99.6

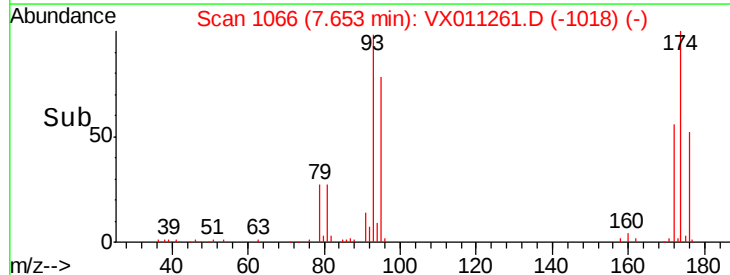
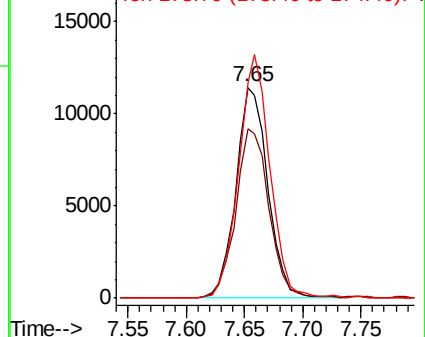
174 113.5 93.4 140.2

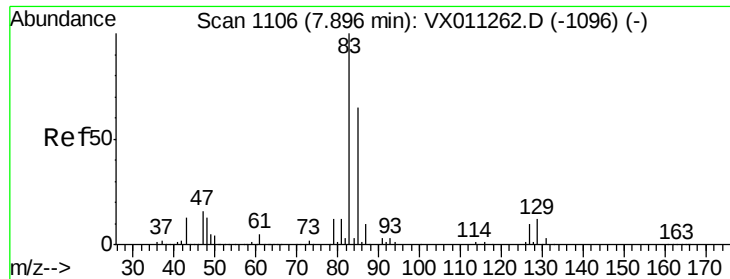


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.744 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

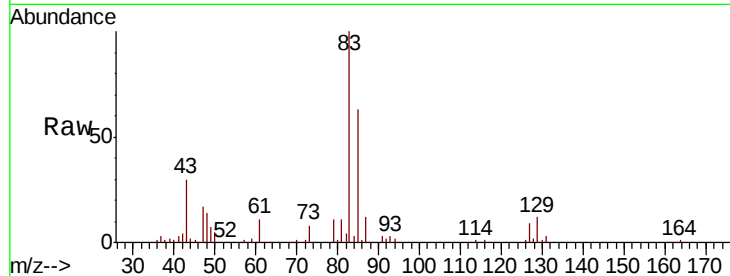
Tot Ion: 83 Resp: 36558

Ion Ratio Lower Upper

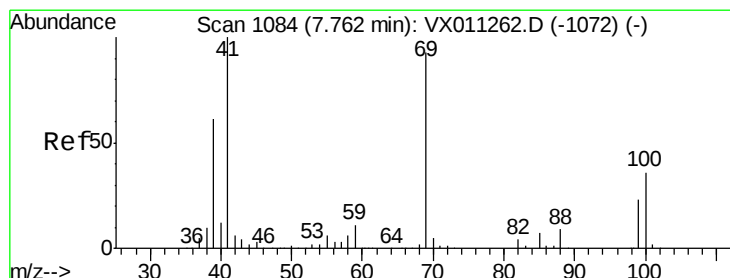
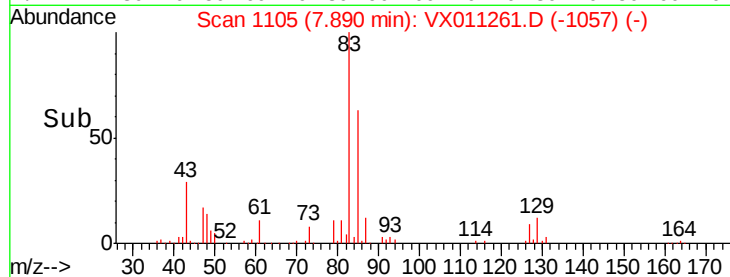
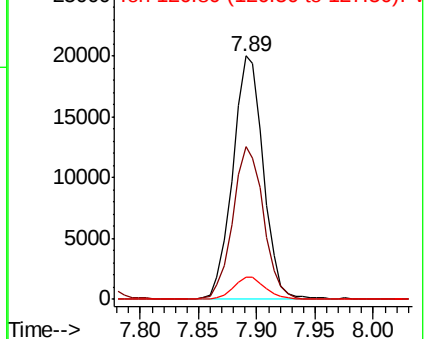
83 100

85 62.8 52.2 78.2

127 8.8 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: 17.716 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

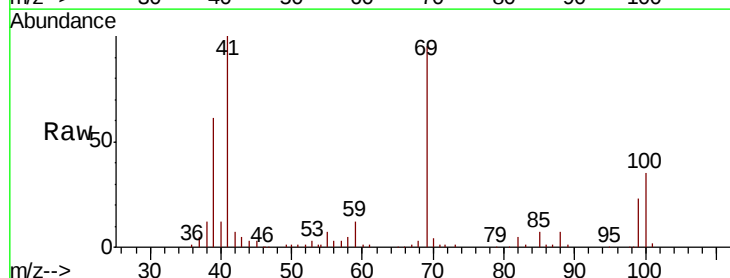
Tgt Ion: 41 Resp: 28470

Ion Ratio Lower Upper

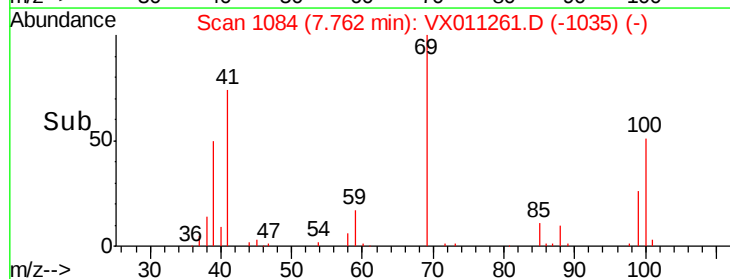
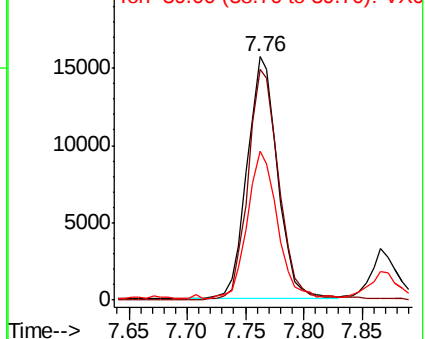
41 100

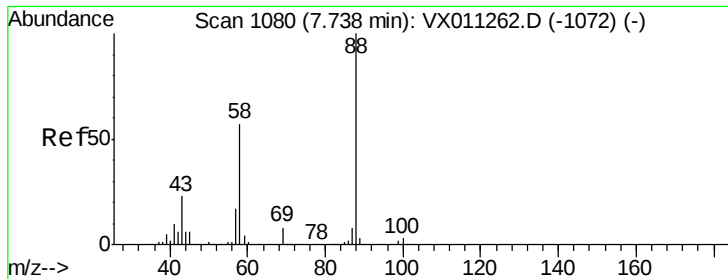
69 96.9 74.5 111.7

39 60.8 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

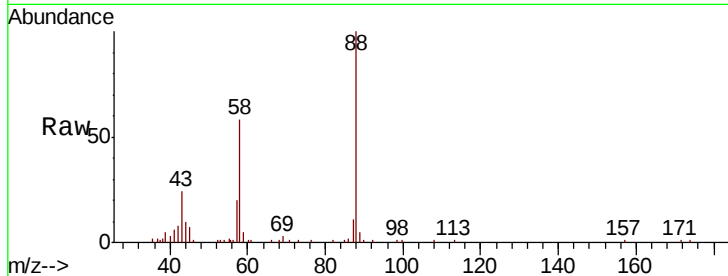




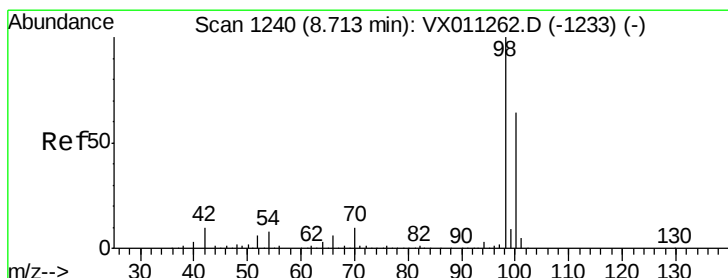
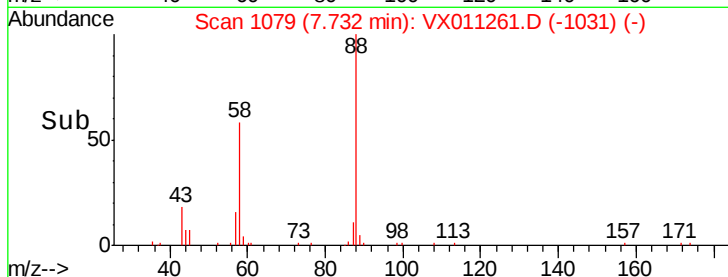
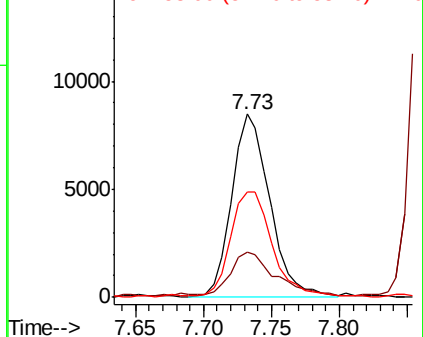
#49
1,4-Dioxane
Concen: 367.206 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion: 88 Resp: 16597
Ion Ratio Lower Upper
88 100
43 27.7 22.2 33.2
58 63.8 47.8 71.8

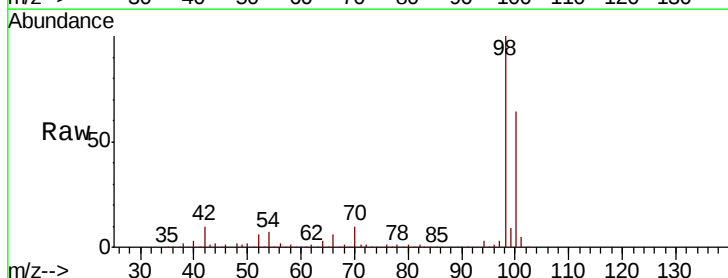


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

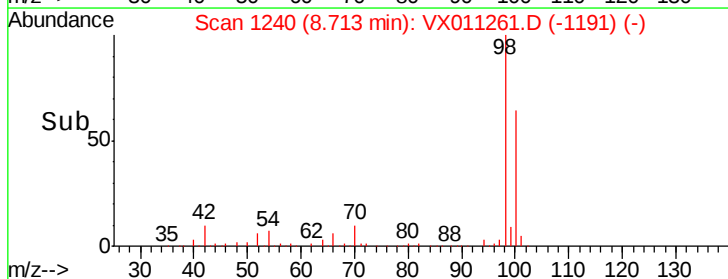
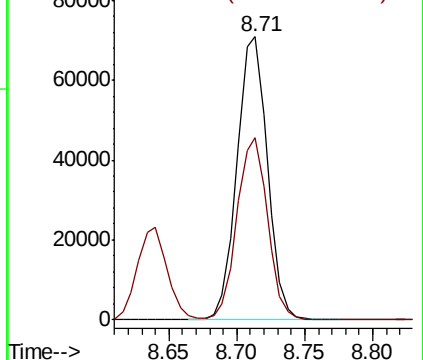


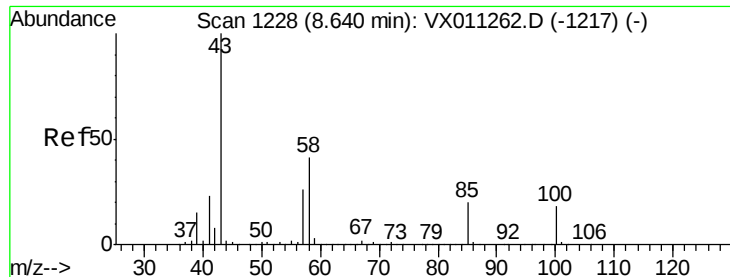
#50
Toluene-d8
Concen: 19.500 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 98 Resp: 110268
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 93.738 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

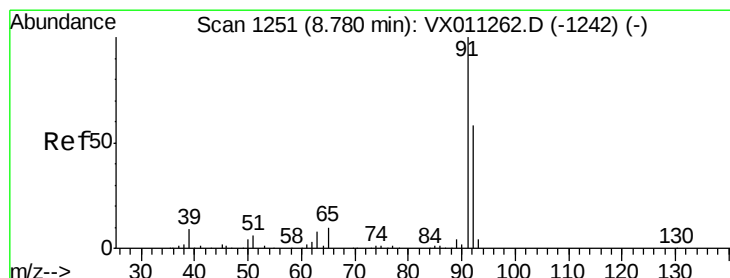
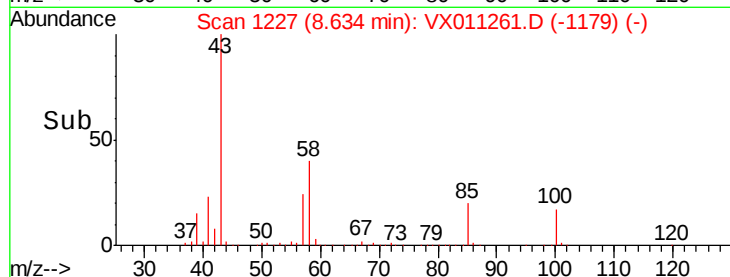
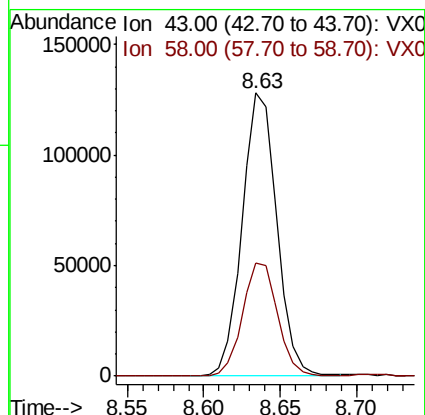
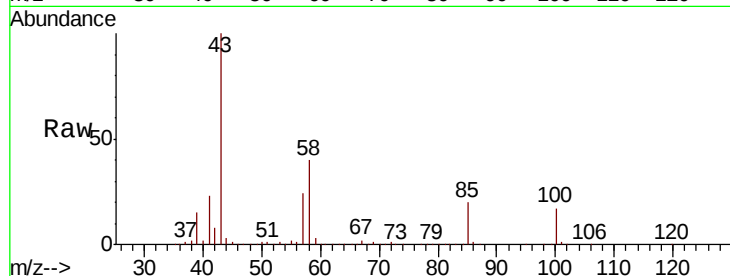
VSTDIC020

Tot Ion: 43 Resp: 201409

Ion Ratio Lower Upper

43 100

58 40.4 32.3 48.5



#52

Toluene

Concen: 19.837 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011261.D

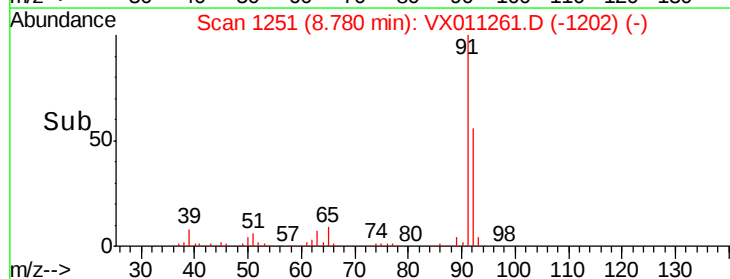
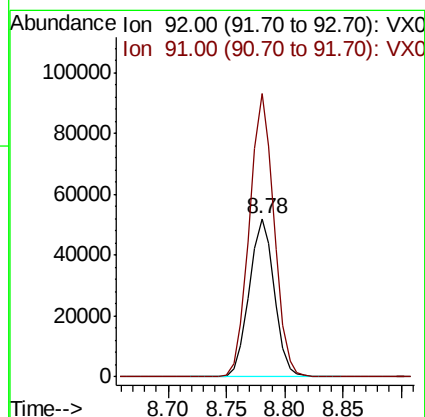
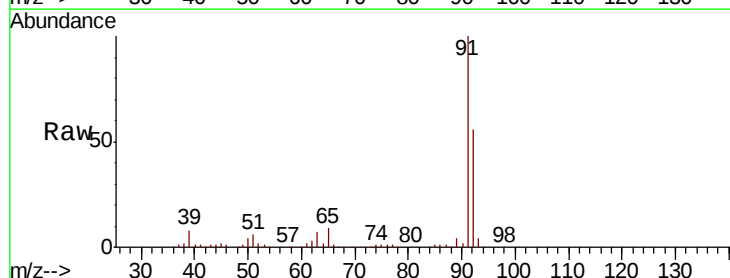
Acq: 01 Aug 2019 15:50

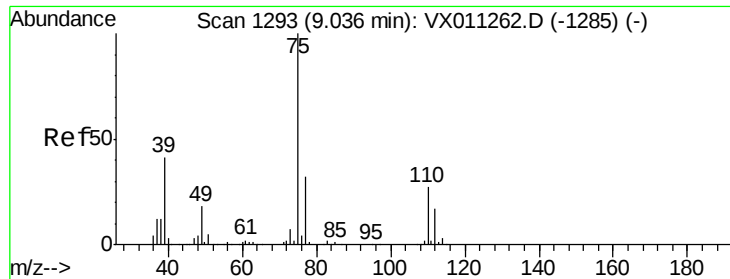
Tgt Ion: 92 Resp: 78916

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 17.881 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

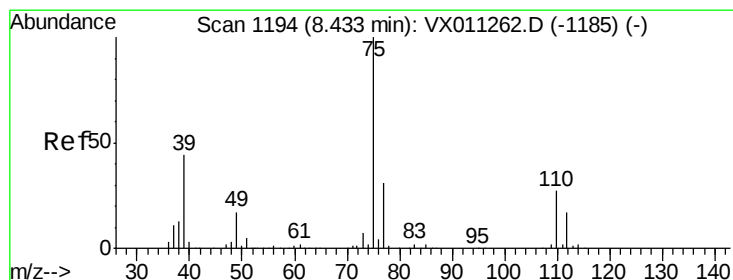
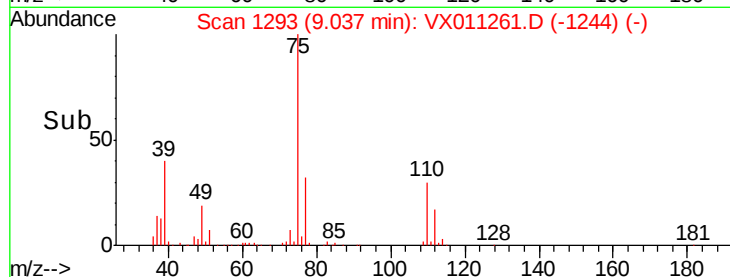
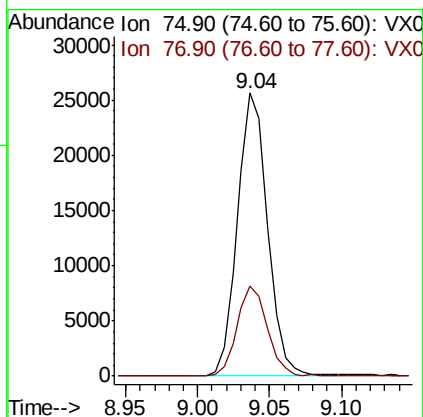
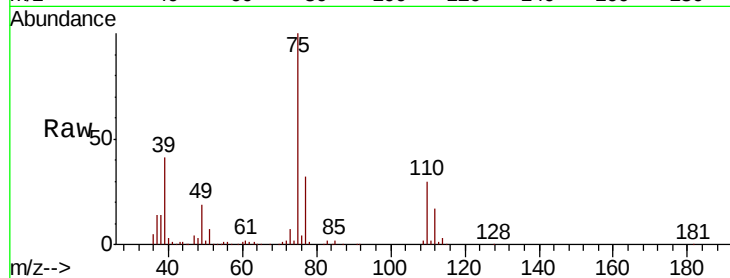
VSTDIC020

Tot Ion: 75 Resp: 37402

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.164 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

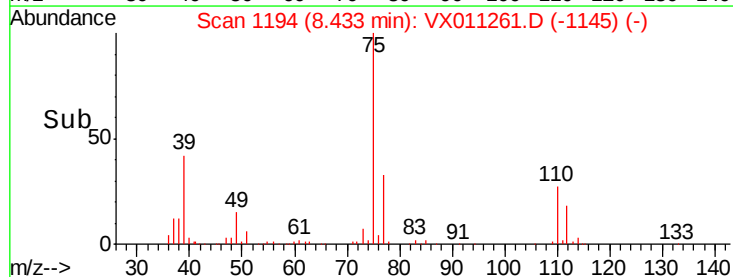
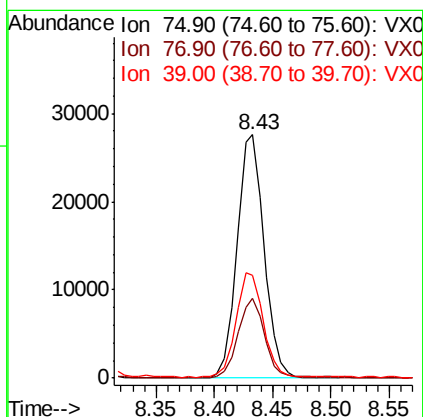
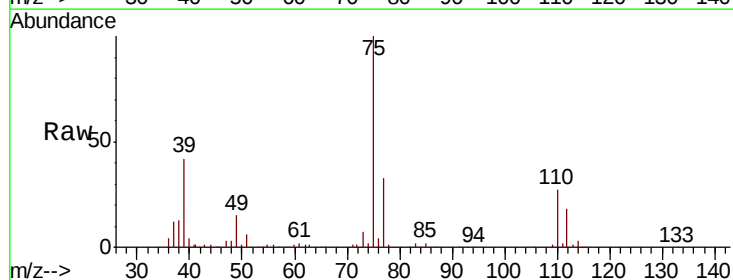
Tgt Ion: 75 Resp: 44700

Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.6

39 41.5 35.3 52.9

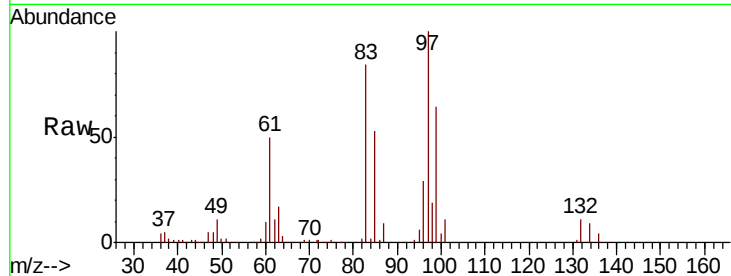




#55
 1,1,2-Trichloroethane
 Concen: 19.606 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	32124
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.6	101.4
85	52.9	43.4	65.0
99	63.8	49.6	74.4



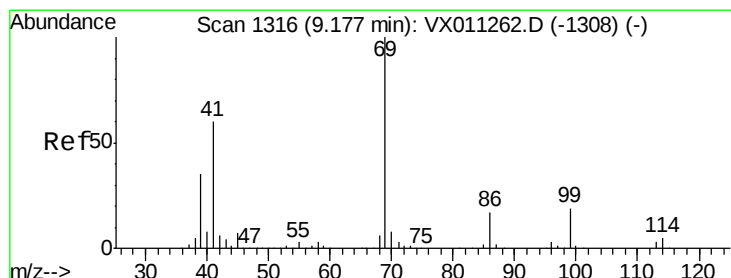
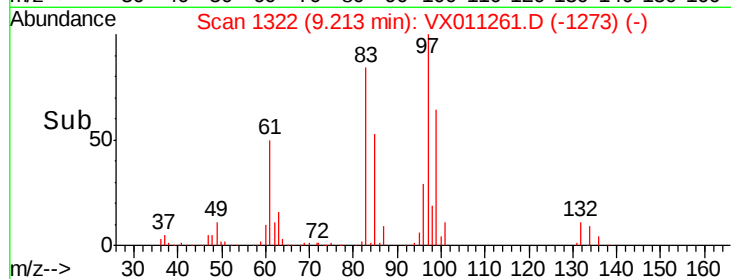
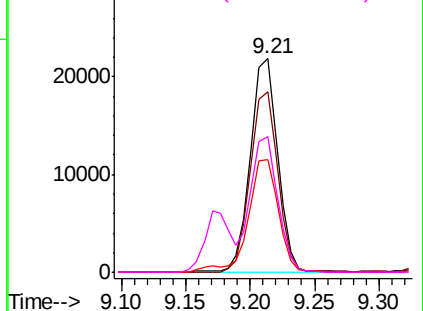
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

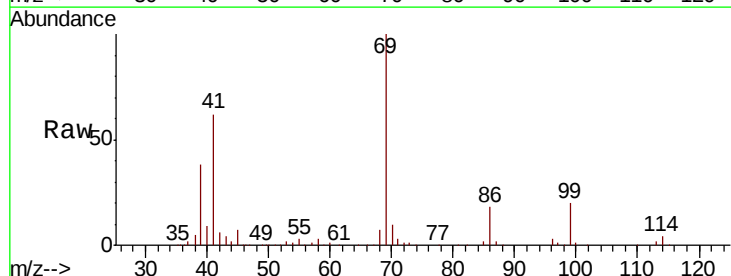
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 19.047 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion:	69	Resp:	45304
Ion	Ratio	Lower	Upper
69	100		
41	61.5	48.6	73.0
39	37.0	29.4	44.2

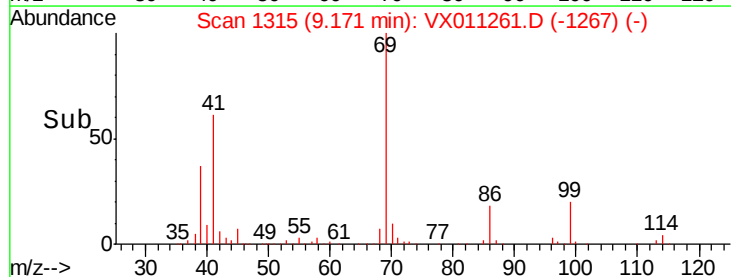
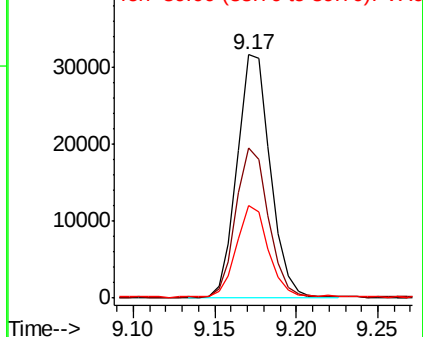


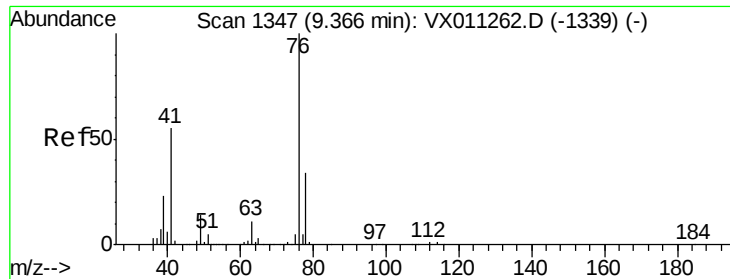
Abundance

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: 19.548 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

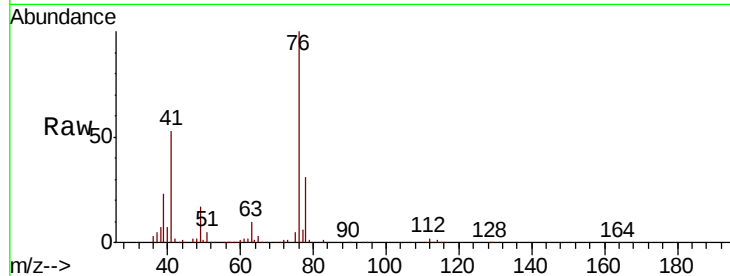
VSTDIC020

Tot Ion: 76 Resp: 50623

Ion Ratio Lower Upper

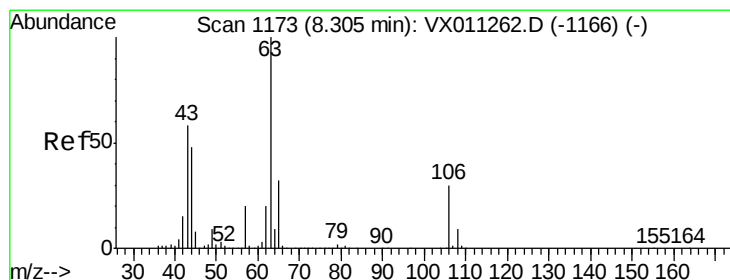
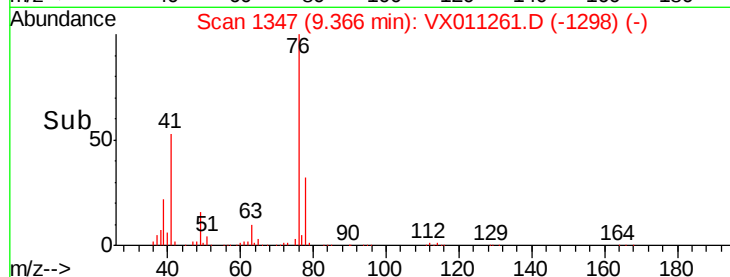
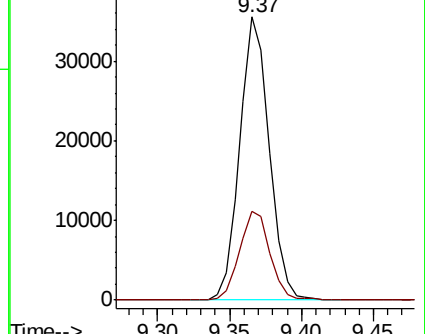
76 100

78 32.7 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: 97.420 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011261.D

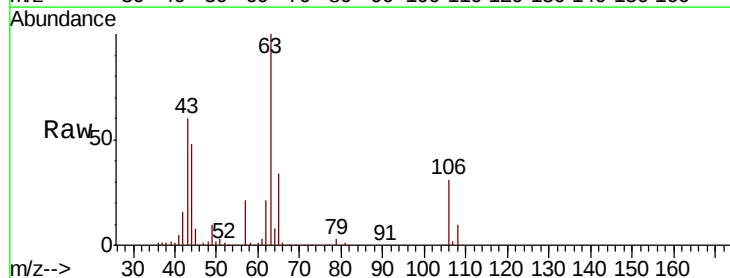
Acq: 01 Aug 2019 15:50

Tgt Ion: 63 Resp: 111042

Ion Ratio Lower Upper

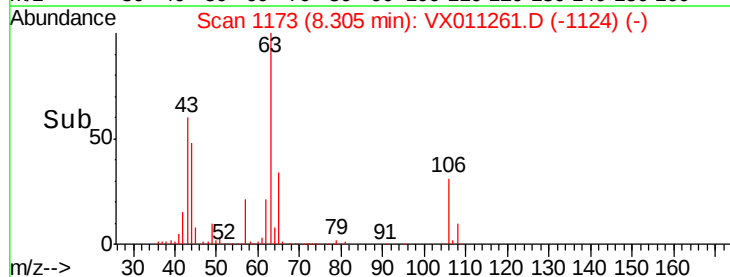
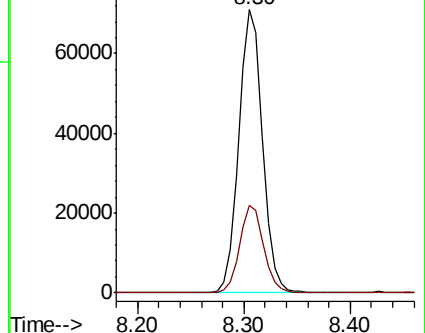
63 100

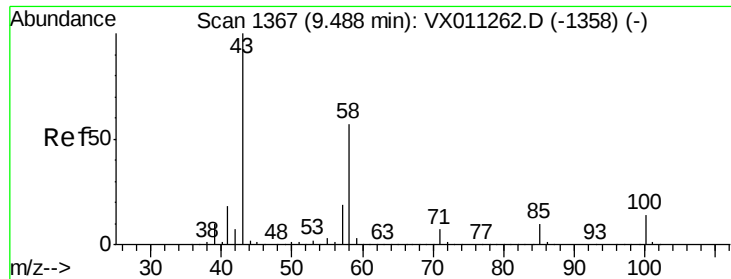
106 31.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

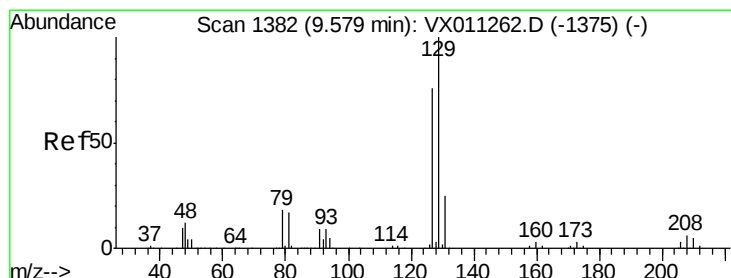
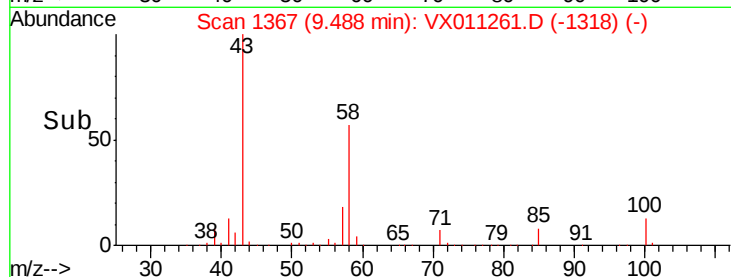
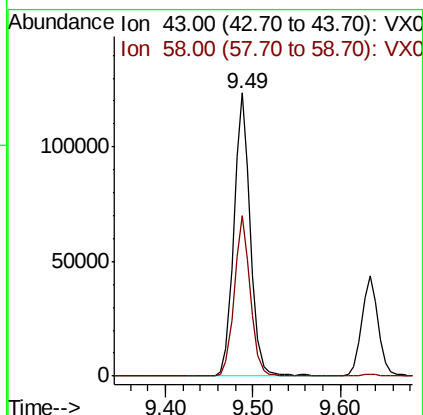
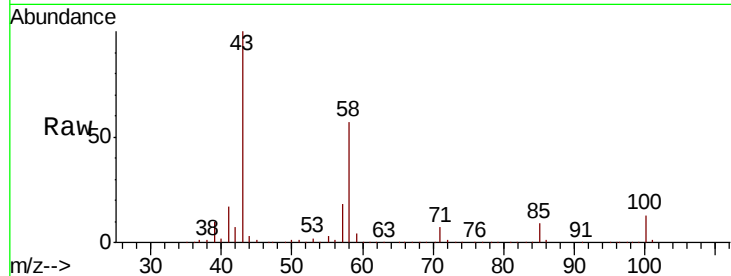




#59
2-Hexanone
Concen: 97.078 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

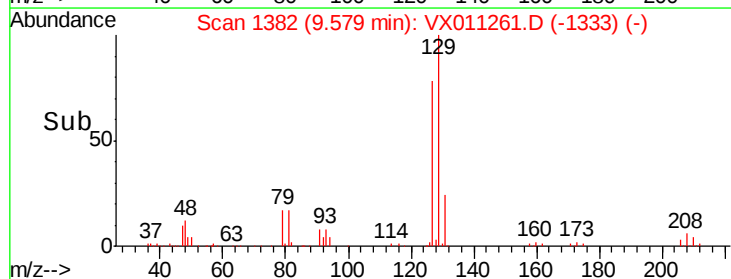
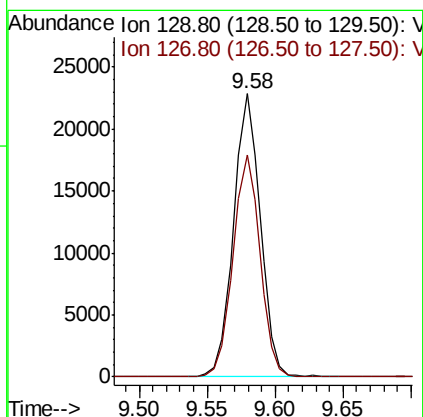
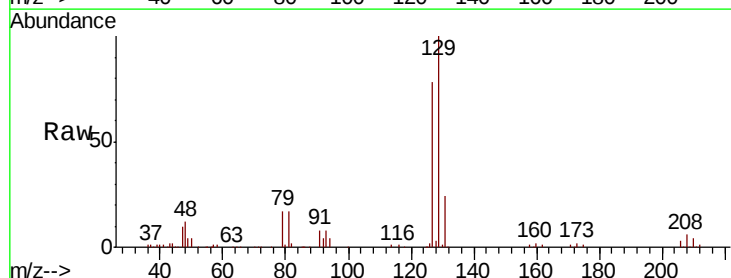
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

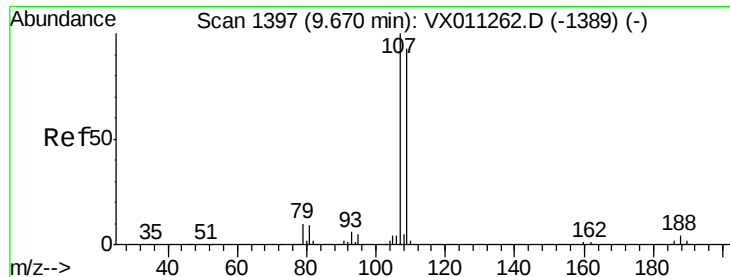
Tot Ion: 43 Resp: 161781
Ion Ratio Lower Upper
43 100
58 55.9 28.2 84.6



#60
Dibromochloromethane
Concen: 18.996 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 129 Resp: 31413
Ion Ratio Lower Upper
129 100
127 78.7 39.2 117.6





#61

1,2-Dibromoethane

Concen: 20.175 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

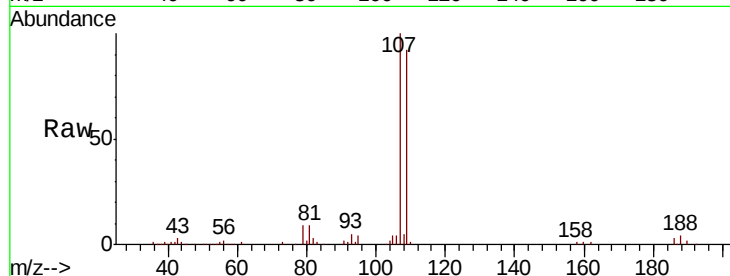
VSTDIC020

Tot Ion:107 Resp: 35099

Ion Ratio Lower Upper

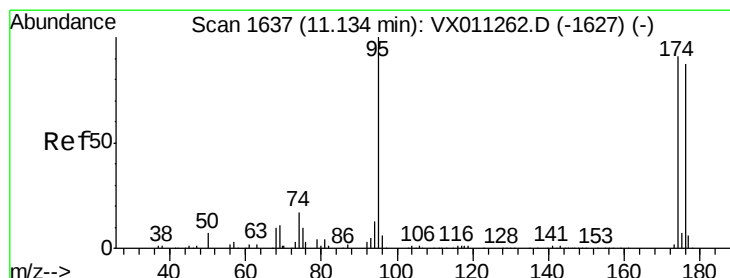
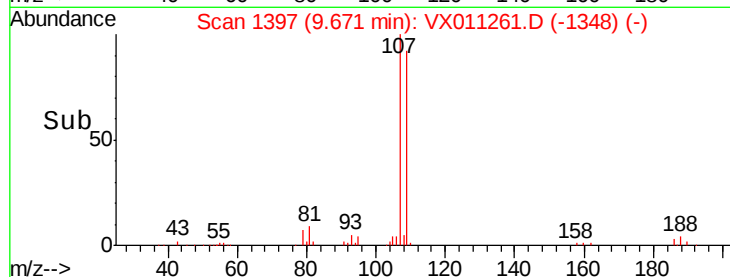
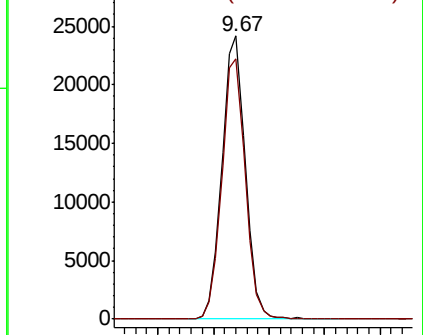
107 100

109 92.6 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: 18.642 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

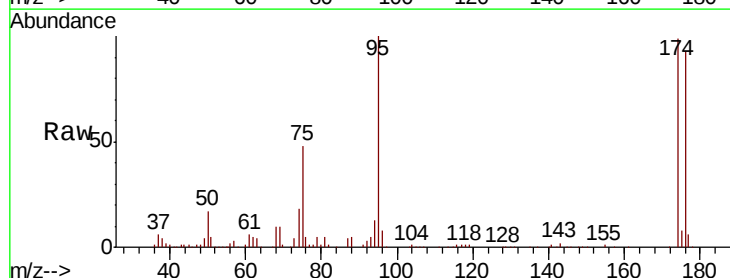
Tgt Ion: 95 Resp: 38569

Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.2

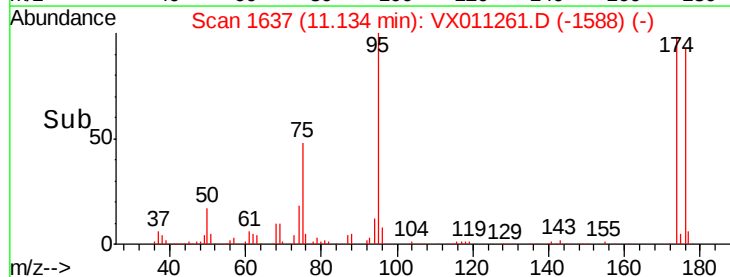
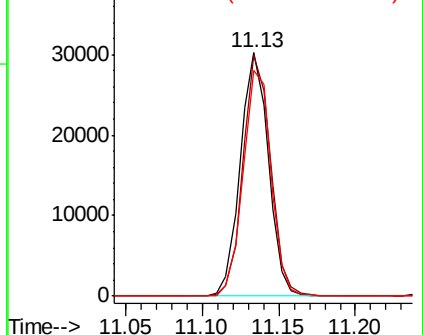
176 92.4 0.0 184.8

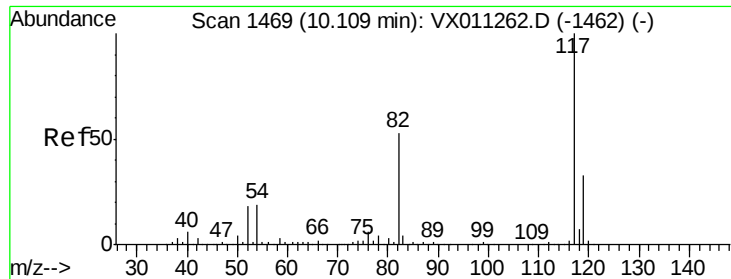


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

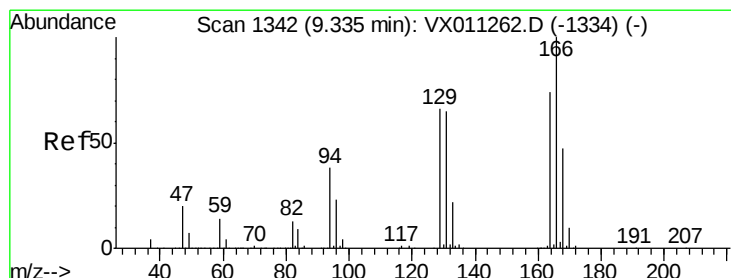
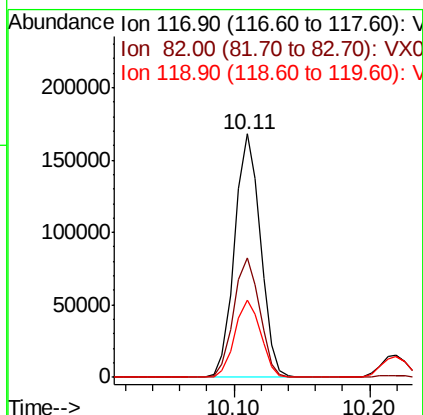
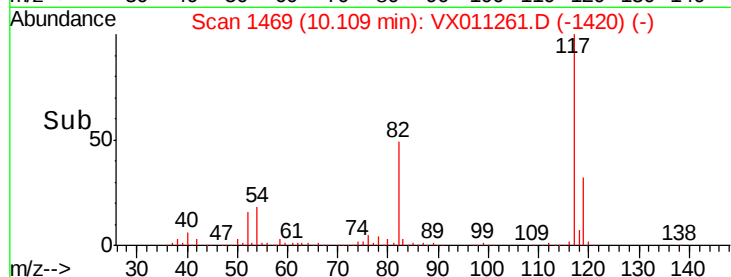
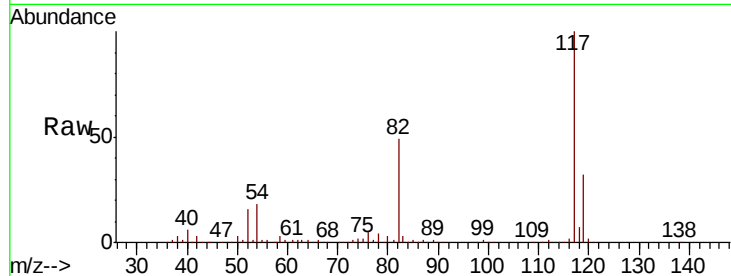




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

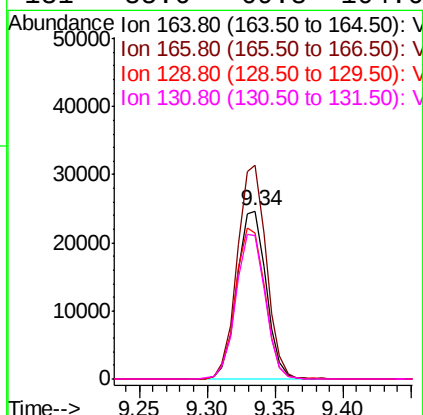
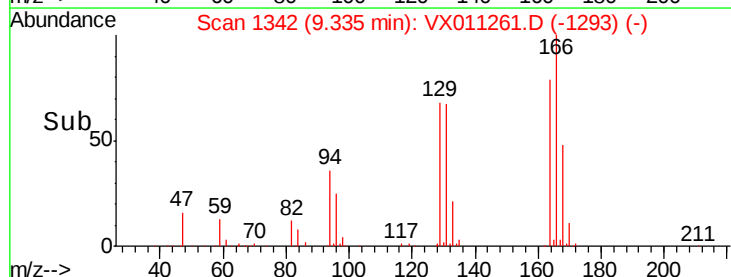
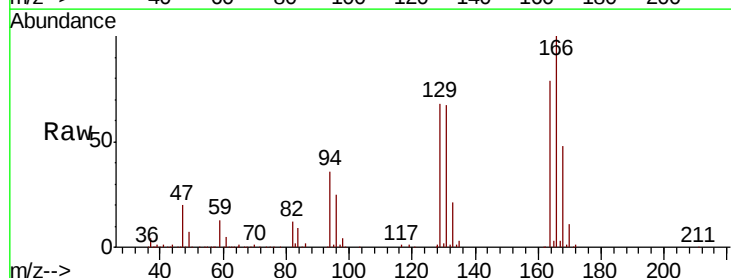
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 222514
Ion Ratio Lower Upper
117 100
82 49.0 42.2 63.2
119 31.8 26.6 39.8



#64
Tetrachloroethene
Concen: 20.721 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion:164 Resp: 36882
Ion Ratio Lower Upper
164 100
166 127.1 107.5 161.3
129 86.6 71.0 106.4
131 85.6 69.8 104.6

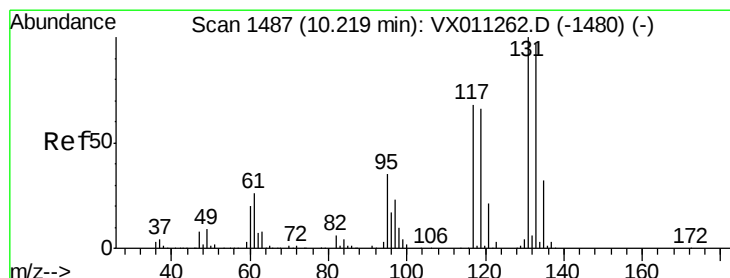
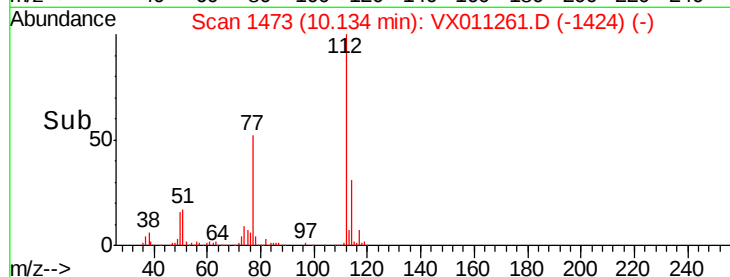
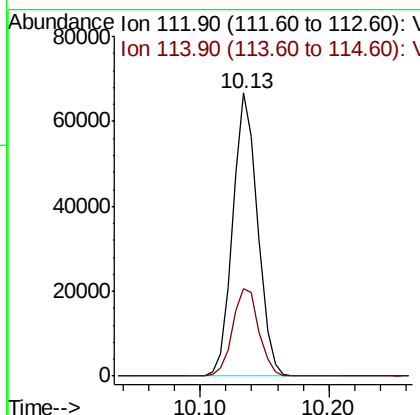
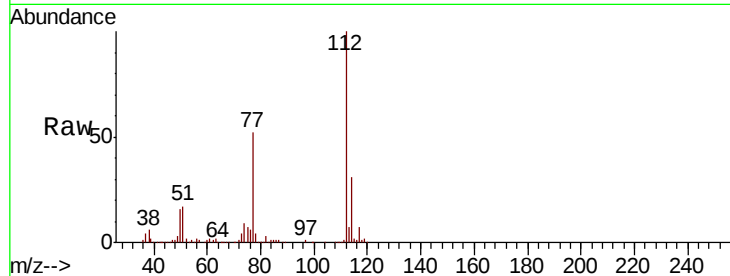




#65
Chlorobenzene
Concen: 19.388 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

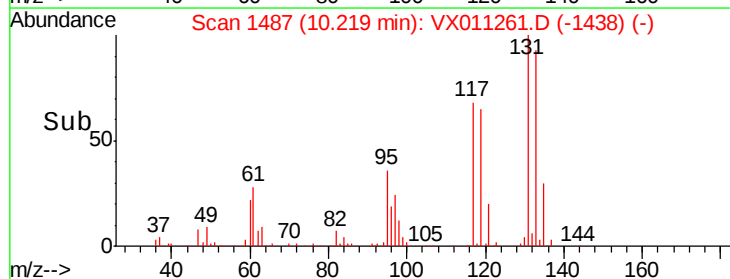
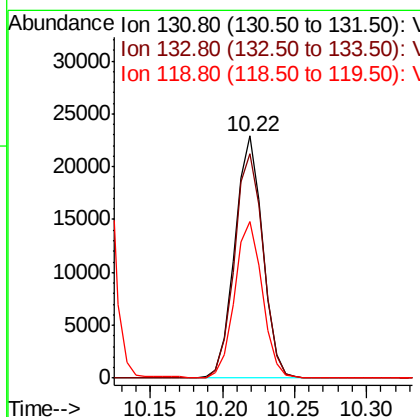
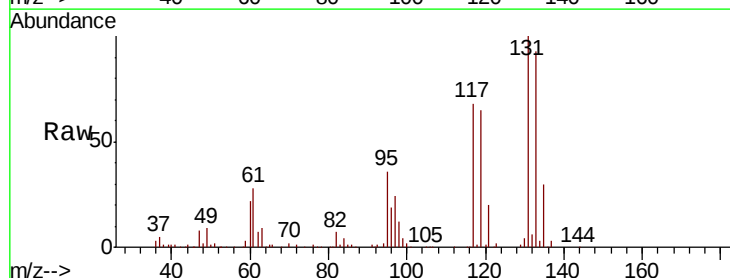
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

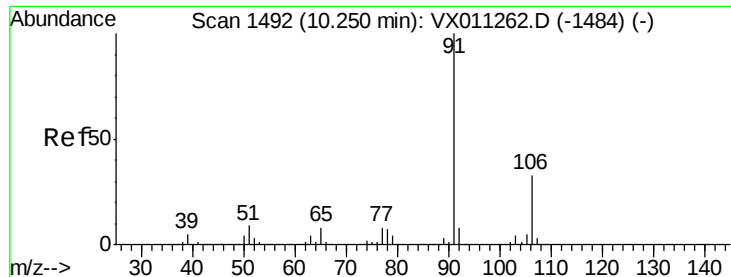
Tot Ion:112 Resp: 89872
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.136 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion:131 Resp: 31057
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 64.5 32.8 98.3





#67

Ethyl Benzene

Concen: 19.383 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

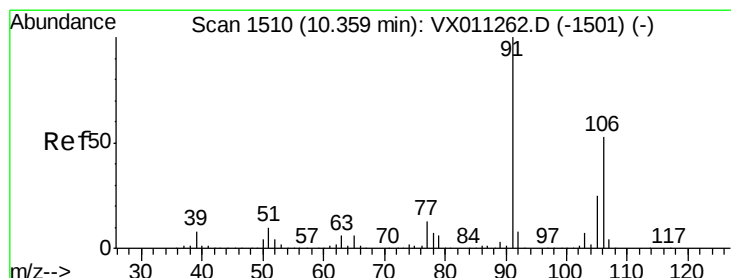
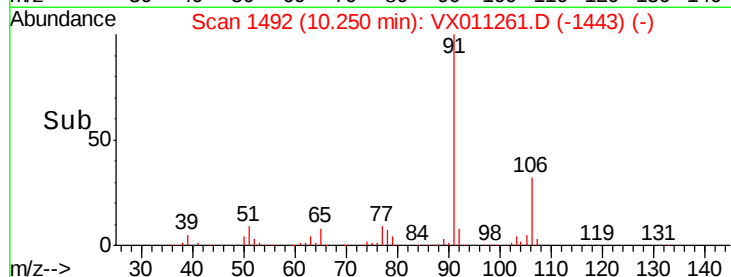
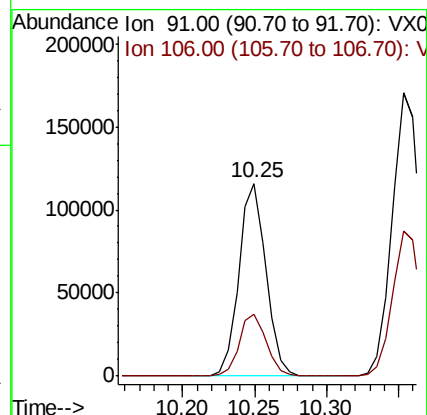
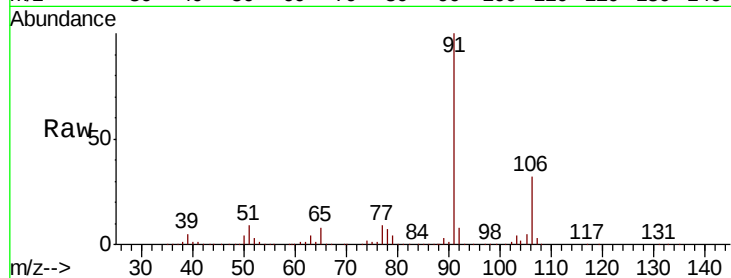
VSTDIC020

Tot Ion: 91 Resp: 152404

Ion Ratio Lower Upper

91 100

106 32.2 26.2 39.4



#68

m/p-Xylenes

Concen: 39.788 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011261.D

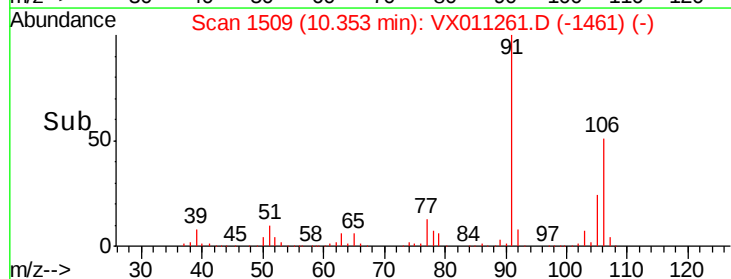
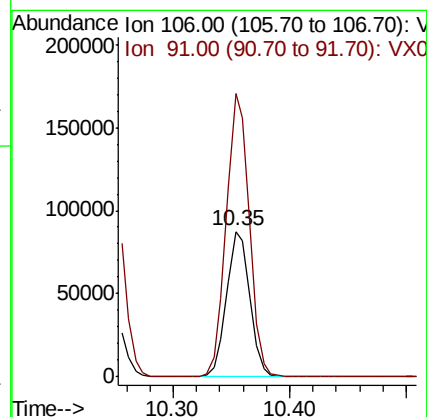
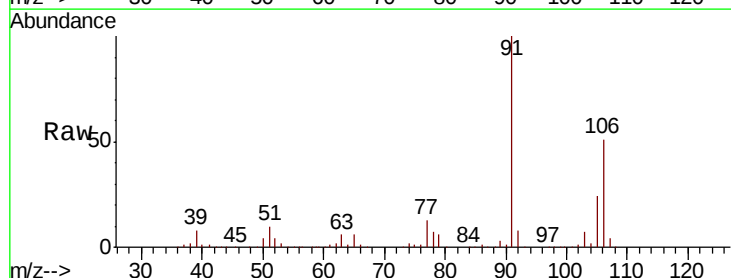
Acq: 01 Aug 2019 15:50

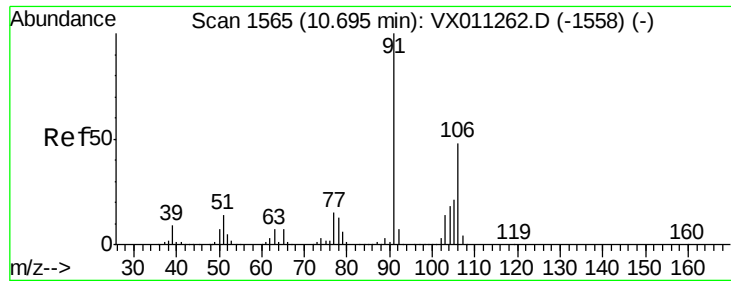
Tgt Ion: 106 Resp: 120622

Ion Ratio Lower Upper

106 100

91 191.9 155.9 233.9

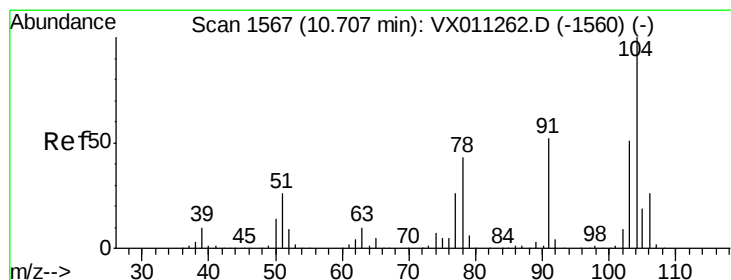
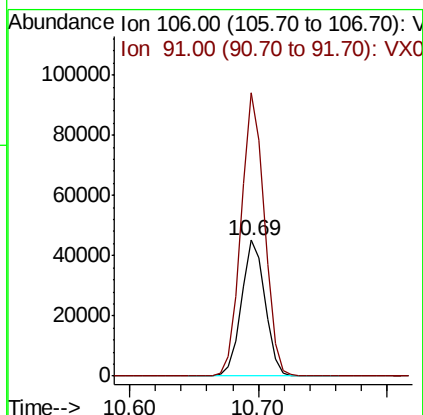
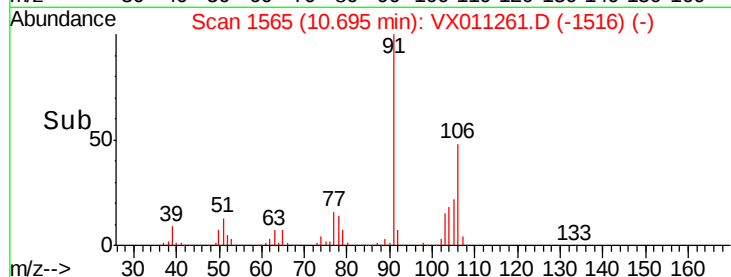
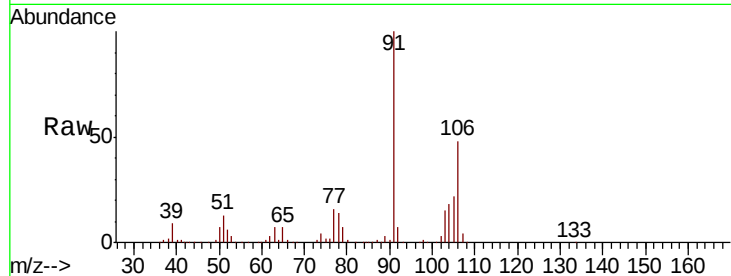




#69
o-Xylene
Concen: 19.412 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

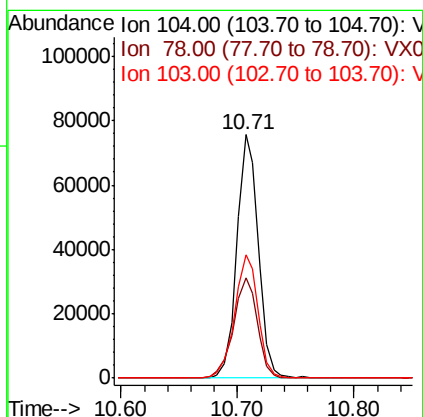
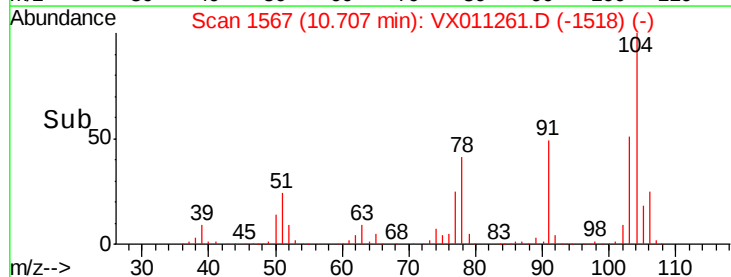
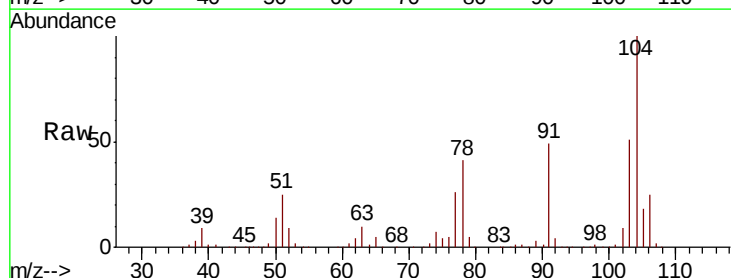
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

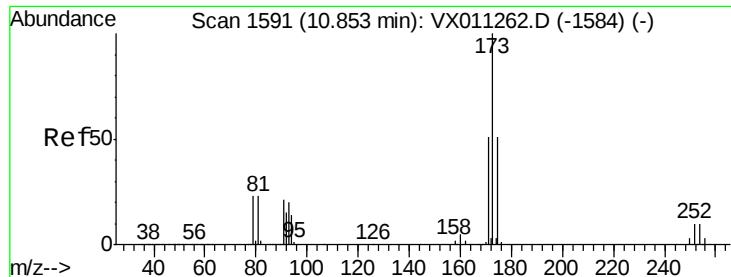
Tot Ion:106 Resp: 57246
Ion Ratio Lower Upper
106 100
91 205.7 103.8 311.3



#70
Styrene
Concen: 19.757 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion:104 Resp: 97268
Ion Ratio Lower Upper
104 100
78 45.9 36.9 55.3
103 55.1 44.4 66.6





#71

Bromoform

Concen: 17.447 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

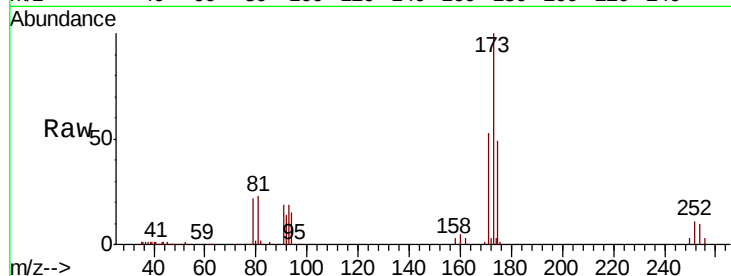
Tot Ion:173 Resp: 22586

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

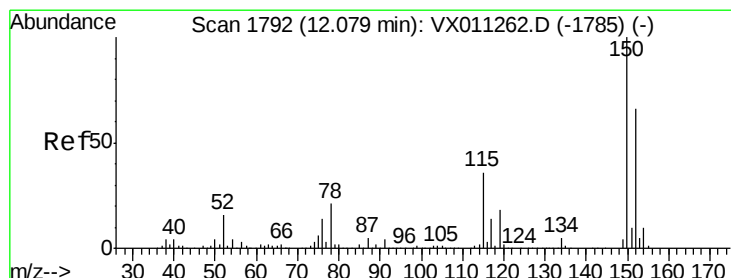
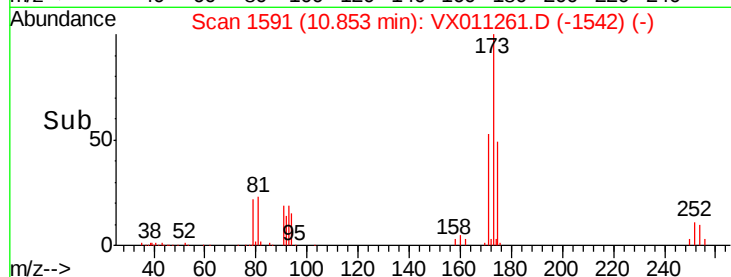
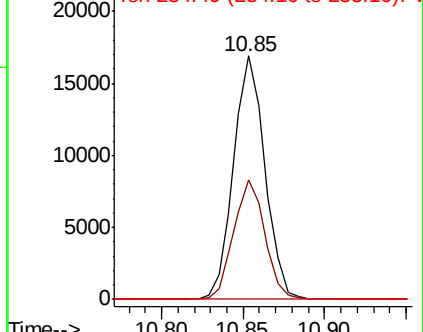
254 0.0 0.2 0.2#



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: VX011261.D

Acq: 01 Aug 2019 15:50

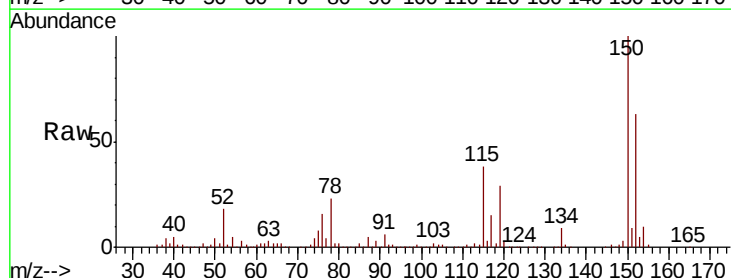
Tgt Ion:152 Resp: 116591

Ion Ratio Lower Upper

152 100

115 64.7 40.0 119.9

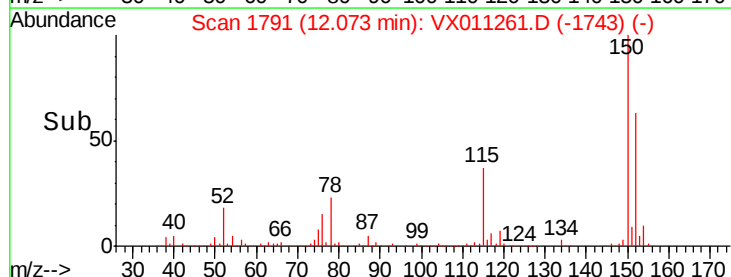
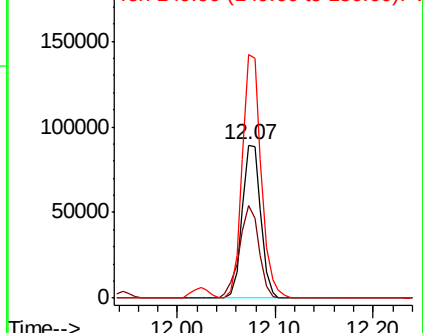
150 163.9 0.0 350.4

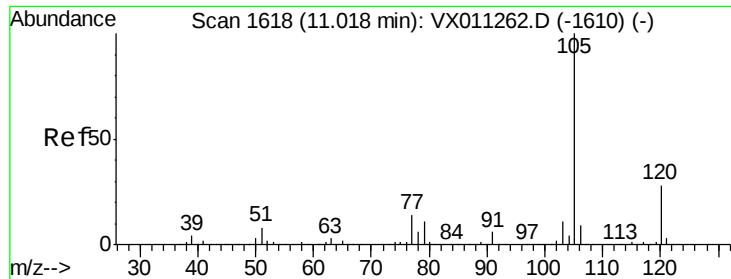


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.486 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

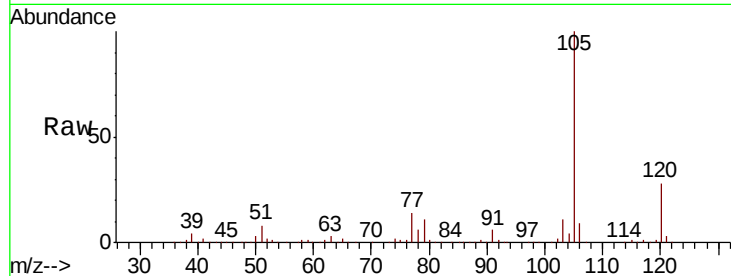
VSTDIC020

Tot Ion:105 Resp: 155078

Ion Ratio Lower Upper

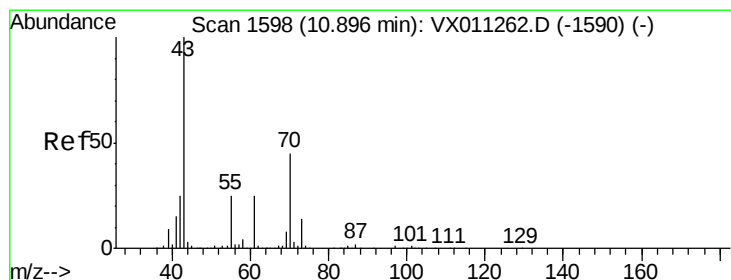
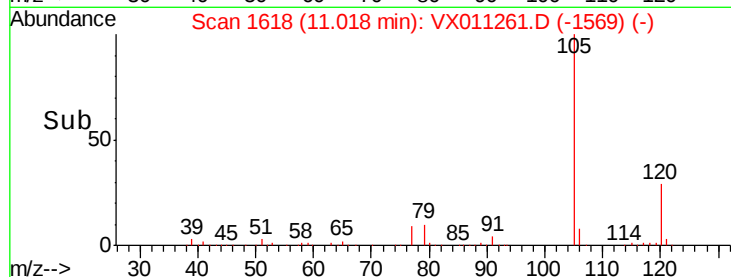
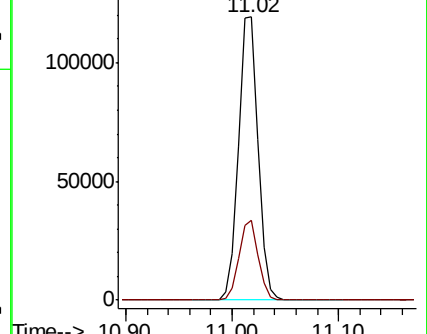
105 100

120 27.5 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.962 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Tgt Ion: 43 Resp: 54310

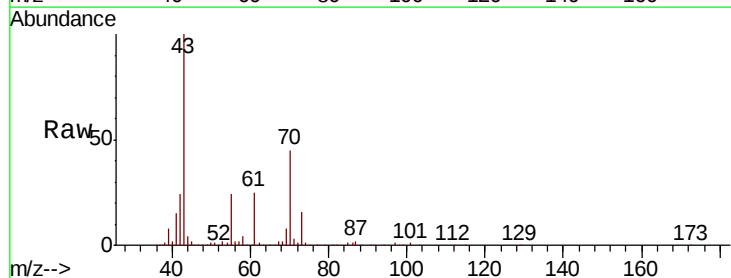
Ion Ratio Lower Upper

43 100

70 44.3 35.9 53.9

55 25.3 19.8 29.6

61 25.0 19.7 29.5

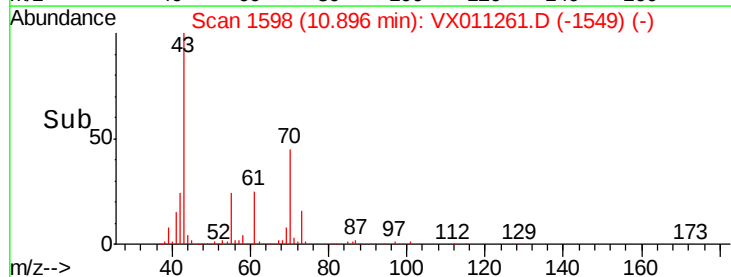
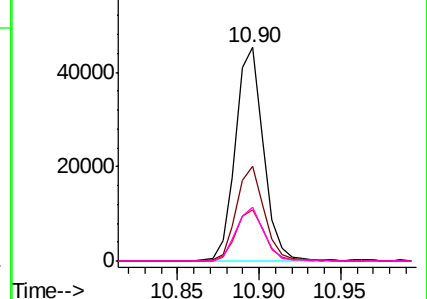


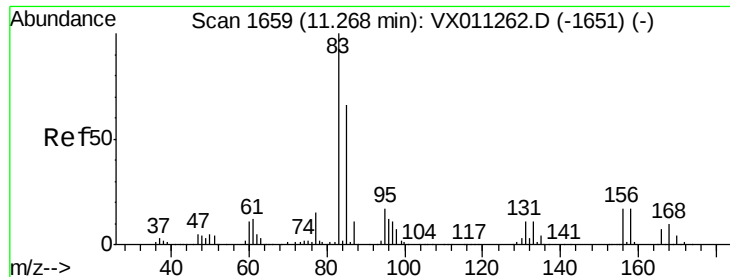
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.114 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

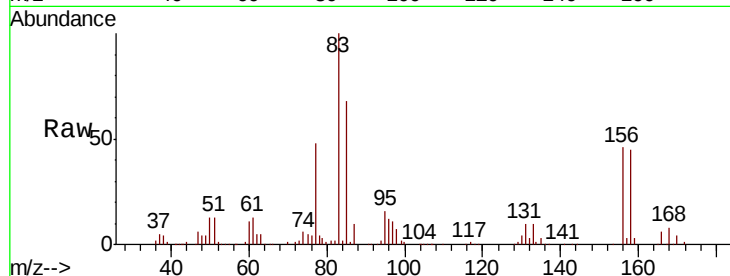
Tot Ion: 83 Resp: 49814

Ion Ratio Lower Upper

83 100

131 10.3 5.6 16.8

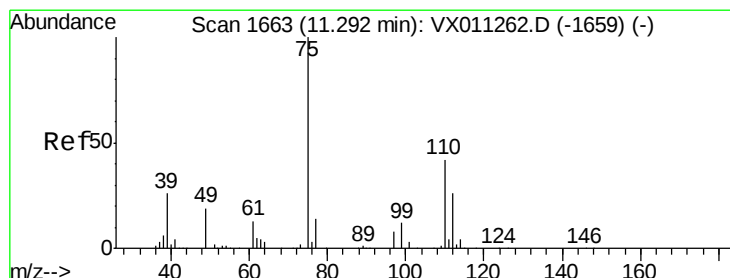
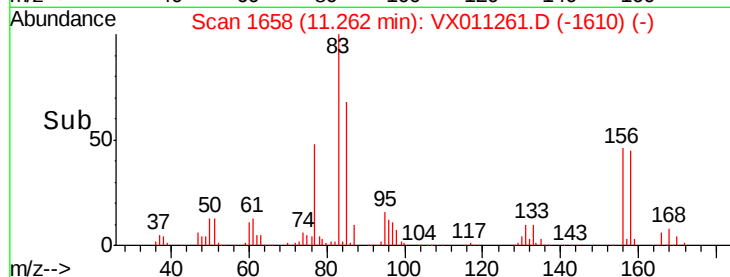
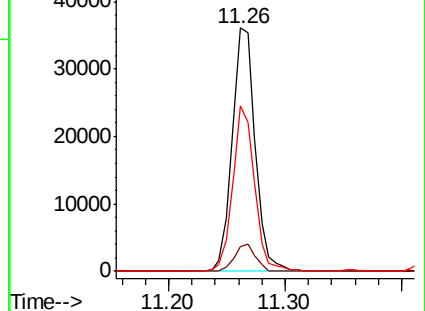
85 64.2 32.1 96.5



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: 24.171 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011261.D

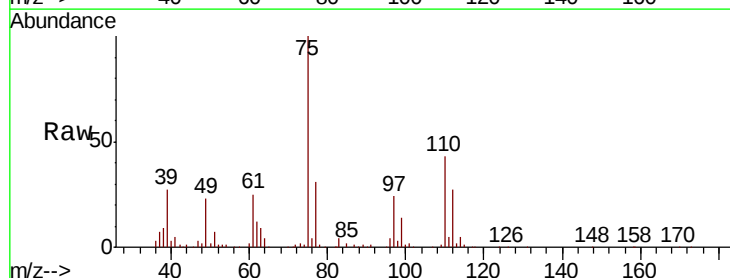
Acq: 01 Aug 2019 15:50

Tgt Ion: 75 Resp: 51329

Ion Ratio Lower Upper

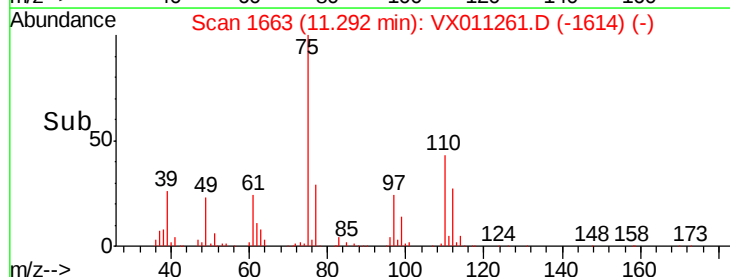
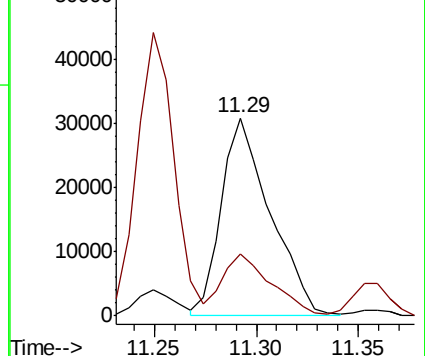
75 100

77 31.2 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: 19.369 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

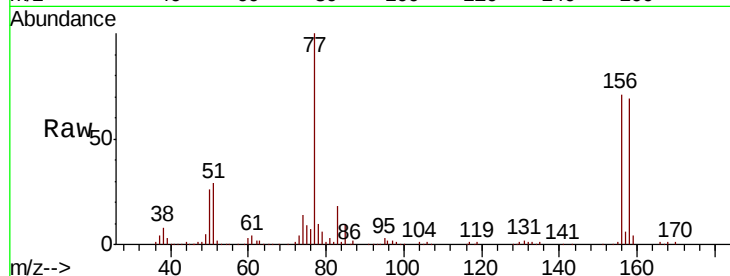
Tot Ion:156 Resp: 42549

Ion Ratio Lower Upper

156 100

77 130.8 66.2 198.6

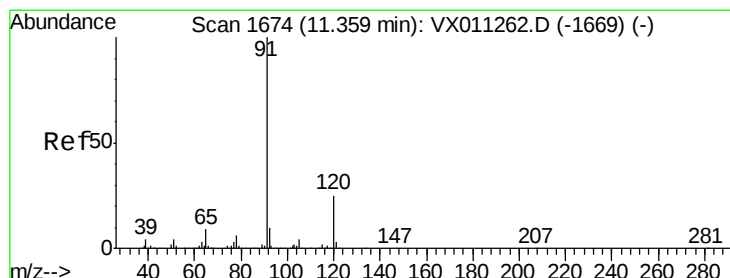
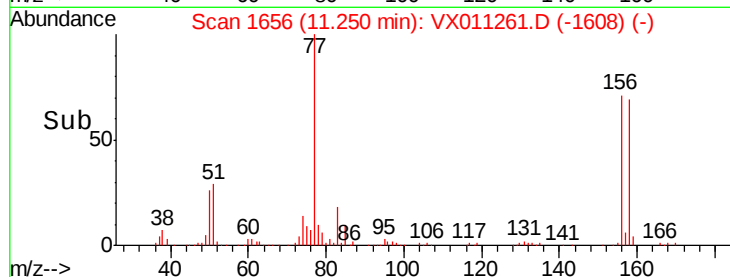
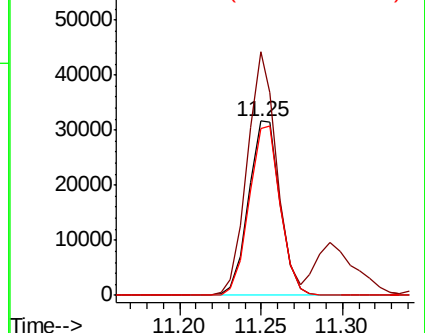
158 96.1 49.1 147.3



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: 19.633 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011261.D

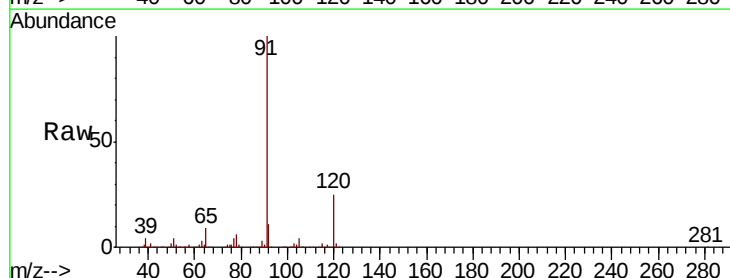
Acq: 01 Aug 2019 15:50

Tgt Ion: 91 Resp: 172455

Ion Ratio Lower Upper

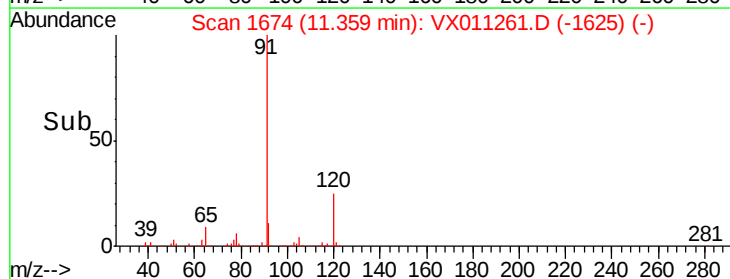
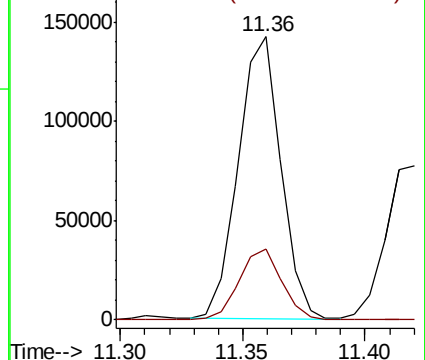
91 100

120 25.0 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: 18.911 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

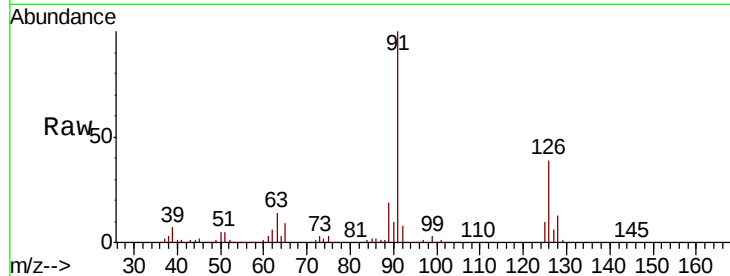
VSTDIC020

Tot Ion: 91 Resp: 99541

Ion Ratio Lower Upper

91 100

126 38.6 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VX011261.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011261.D (-1679) (-)

150000

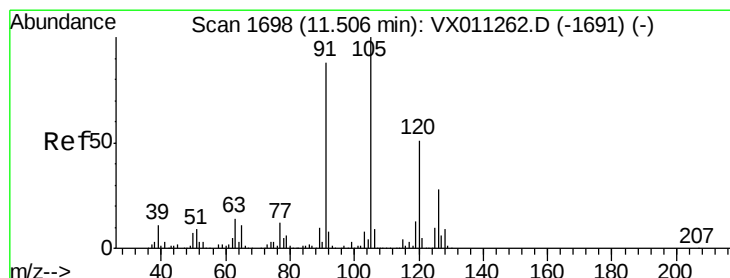
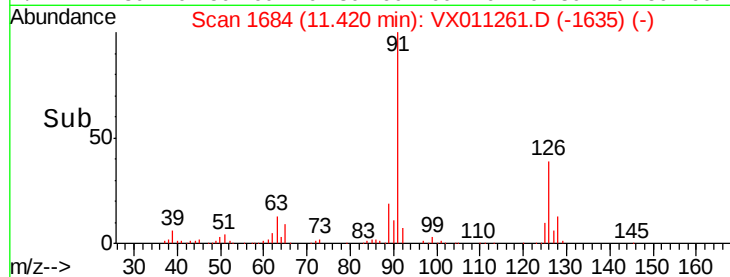
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.365 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011261.D

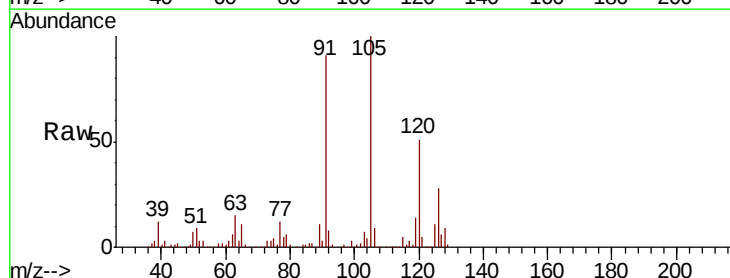
Acq: 01 Aug 2019 15:50

Tgt Ion:105 Resp: 128230

Ion Ratio Lower Upper

105 100

120 51.1 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VX011261.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX011261.D (-1649) (-)

120000

100000

80000

60000

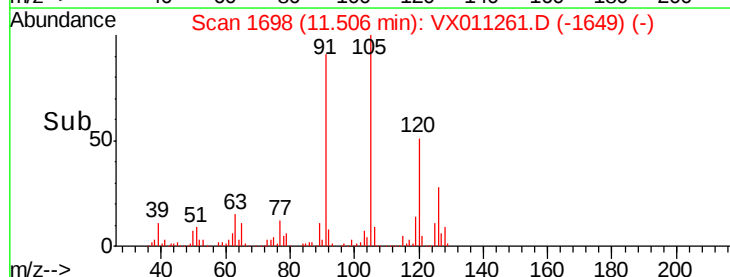
40000

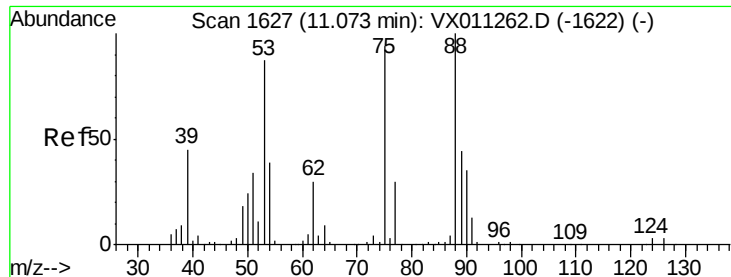
20000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.720 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

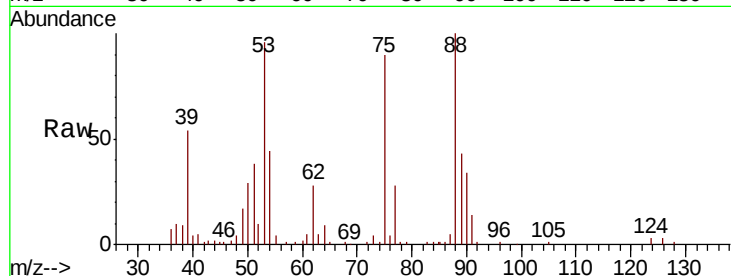
Tot Ion: 75 Resp: 12041

Ion Ratio Lower Upper

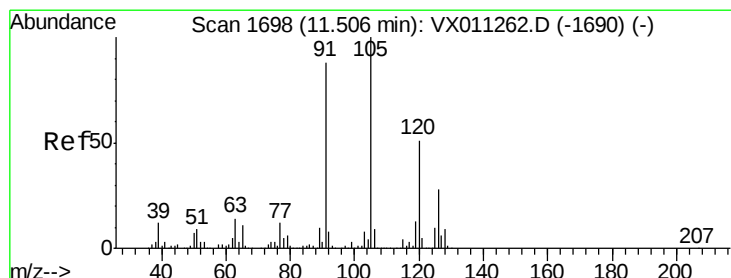
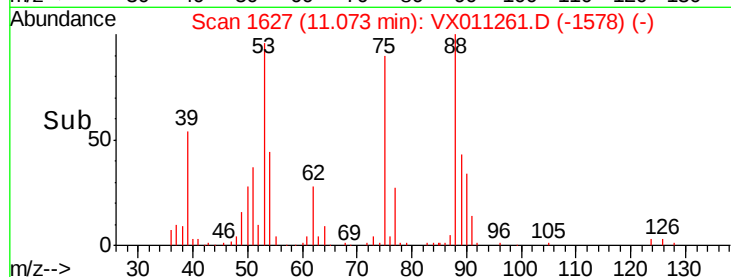
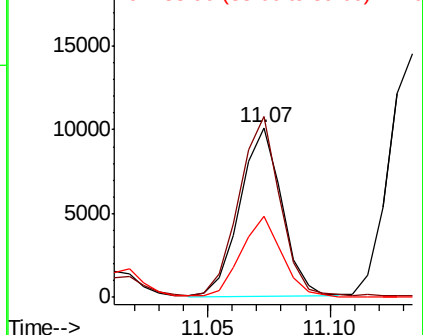
75 100

53 105.4 78.2 117.4

89 47.4 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: 18.842 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011261.D

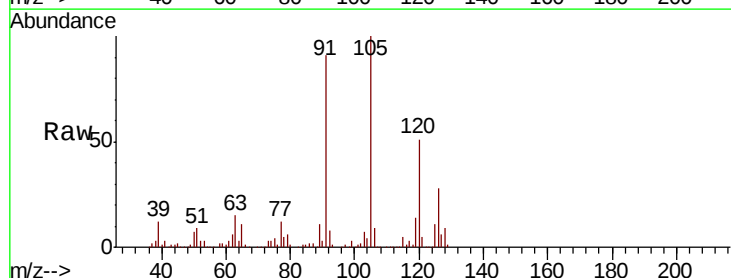
Acq: 01 Aug 2019 15:50

Tgt Ion: 91 Resp: 115615

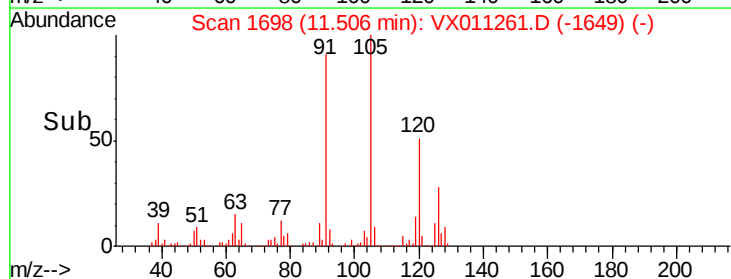
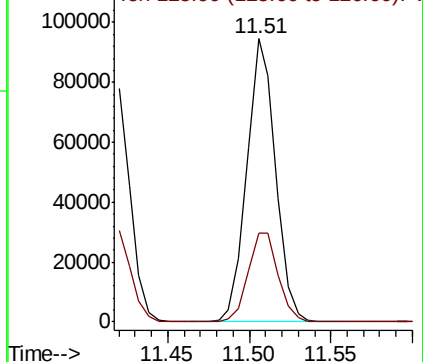
Ion Ratio Lower Upper

91 100

126 33.1 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

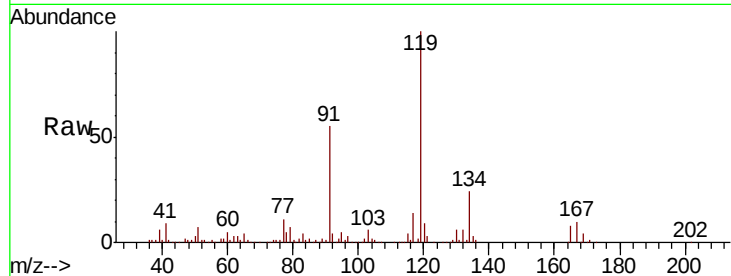




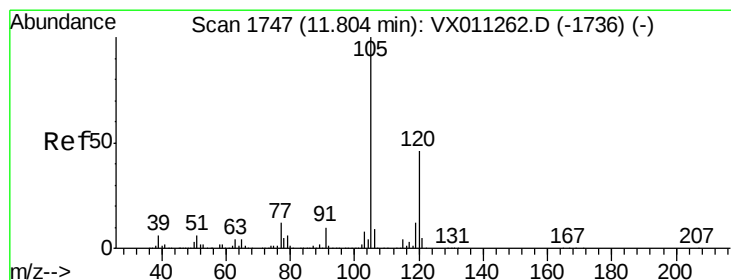
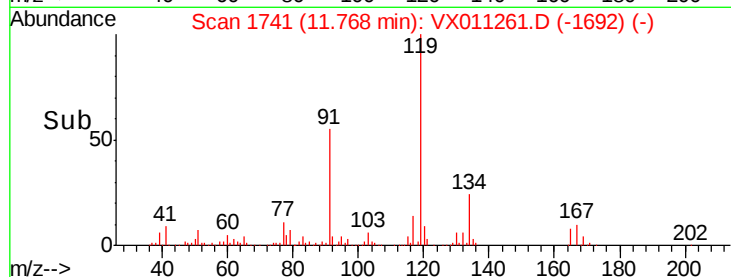
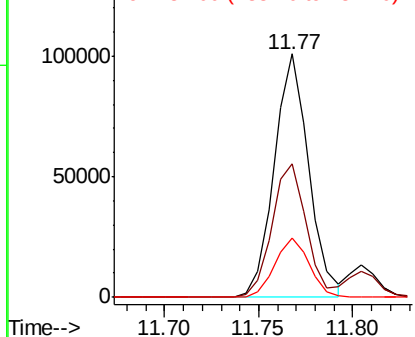
#83
tert-Butylbenzene
Concen: 19.561 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.6	28.0	84.0
134	24.2	11.9	35.5

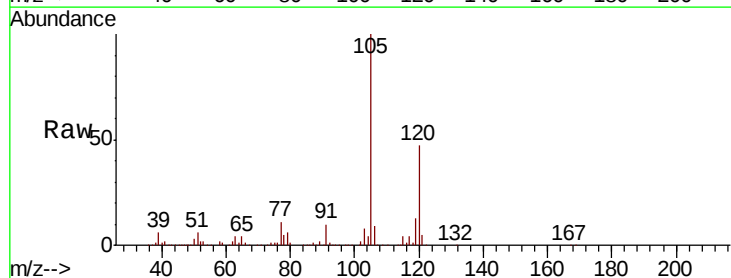


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

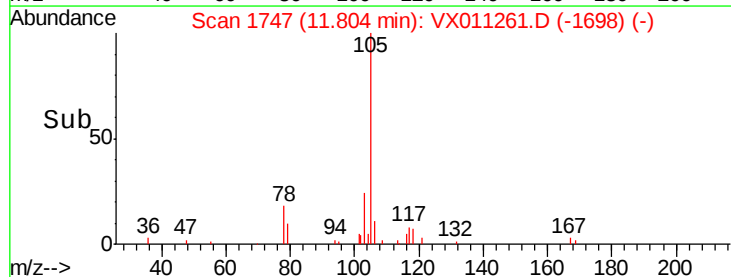
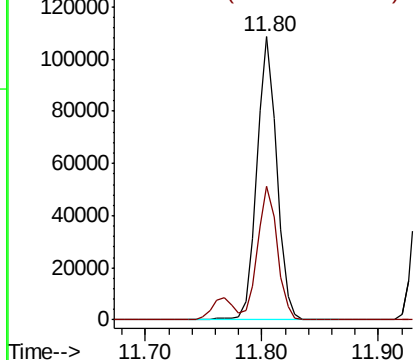


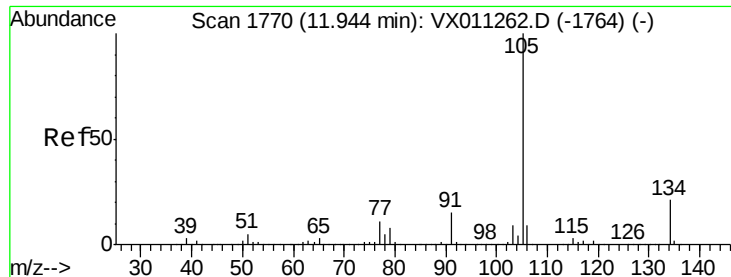
#84
1,2,4-Trimethylbenzene
Concen: 19.401 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	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: 20.165 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

Instrument :

MSVOA_X

ClientSampleId :

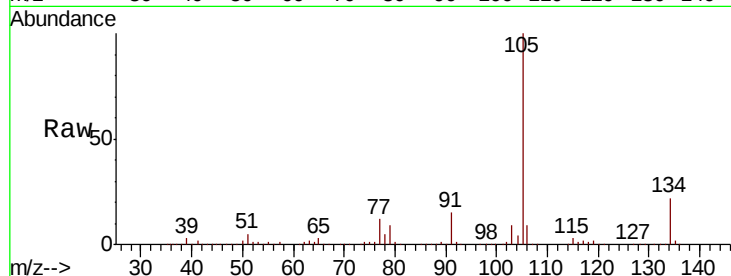
VSTDIC020

Tot Ion:105 Resp: 154385

Ion Ratio Lower Upper

105 100

134 21.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

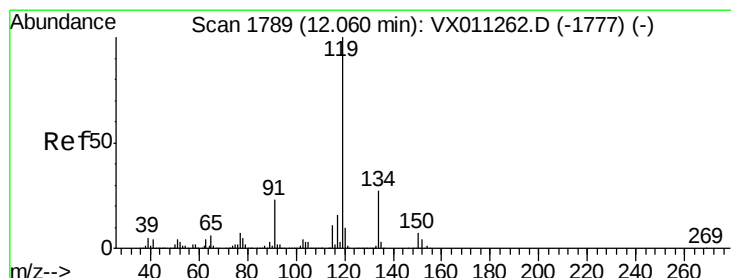
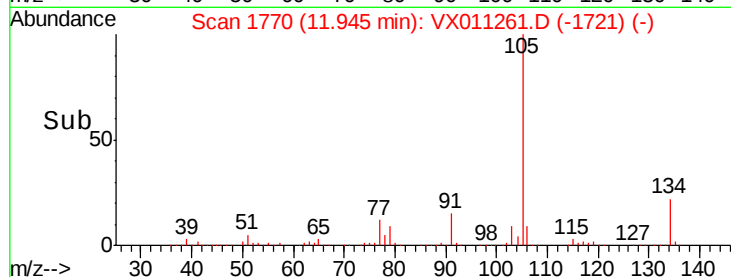
11.94

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 19.959 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011261.D

Acq: 01 Aug 2019 15:50

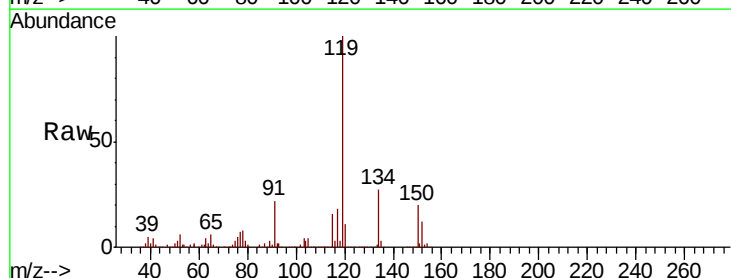
Tgt Ion:119 Resp: 141401

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 23.2 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

12.06

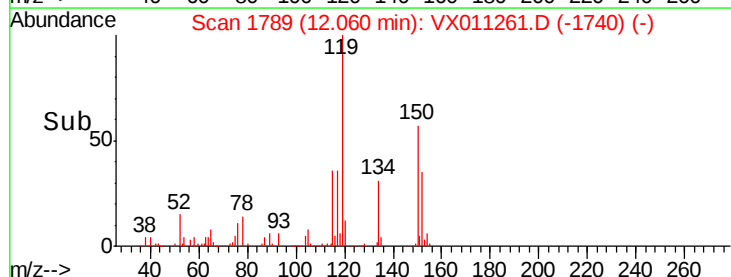
150000

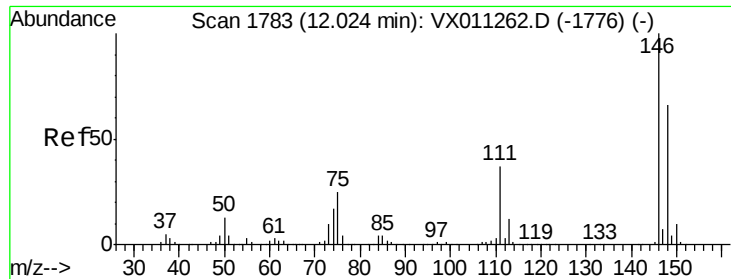
100000

50000

0

Time--> 12.00 12.10

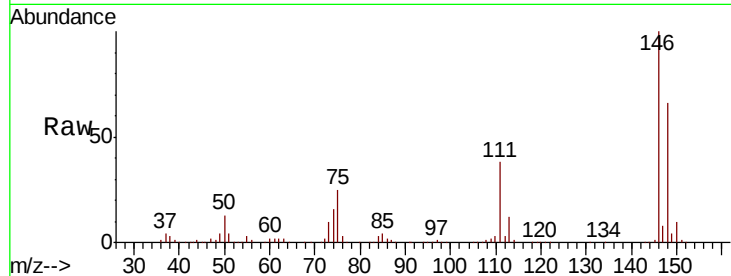




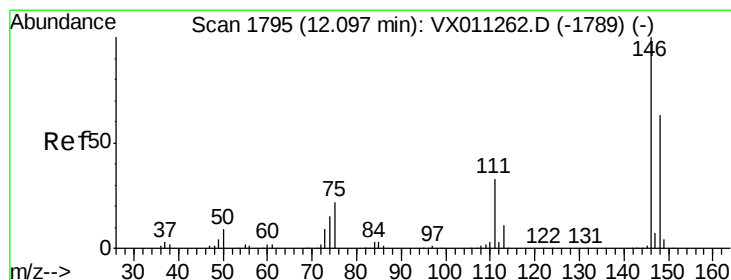
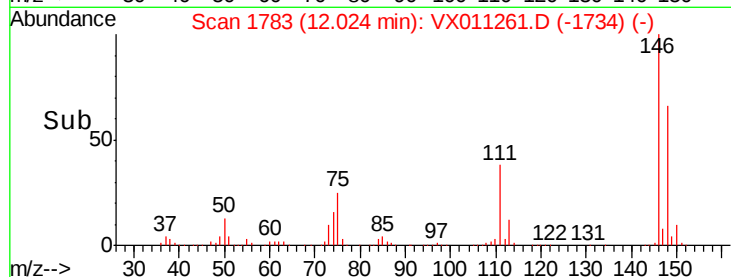
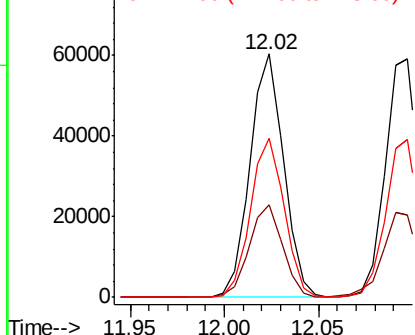
#87
 1,3-Dichlorobenzene
 Concen: 19.599 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 74928
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.8
 148 65.6 32.5 97.5

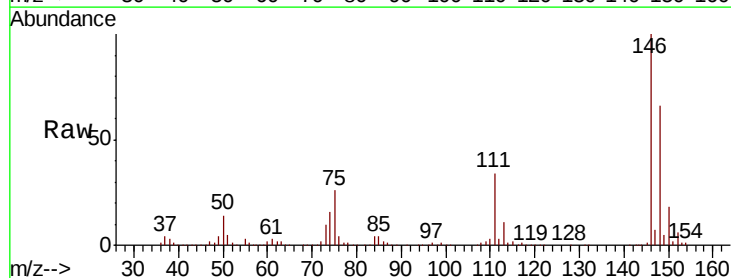


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

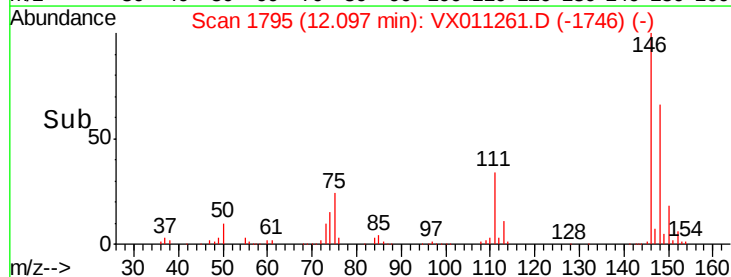
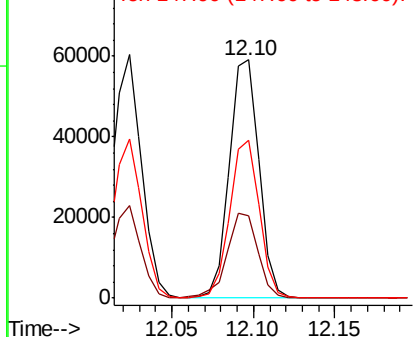


#88
 1,4-Dichlorobenzene
 Concen: 19.034 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion:146 Resp: 74571
 Ion Ratio Lower Upper
 146 100
 111 37.4 17.8 53.4
 148 66.2 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

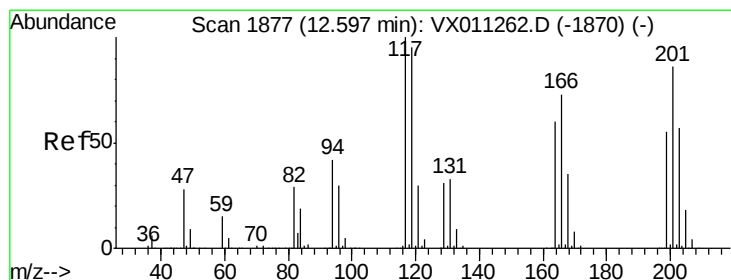
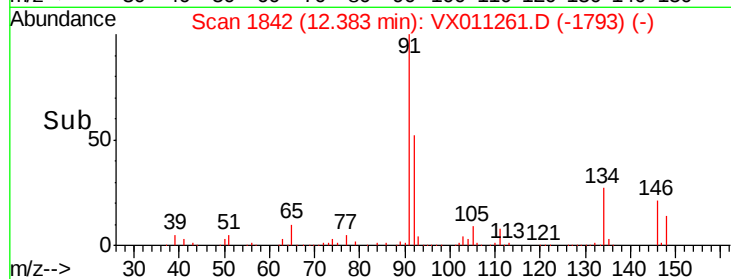
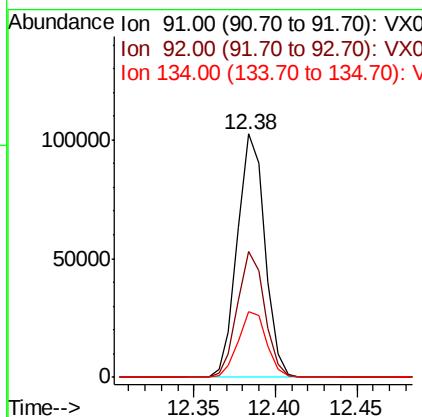
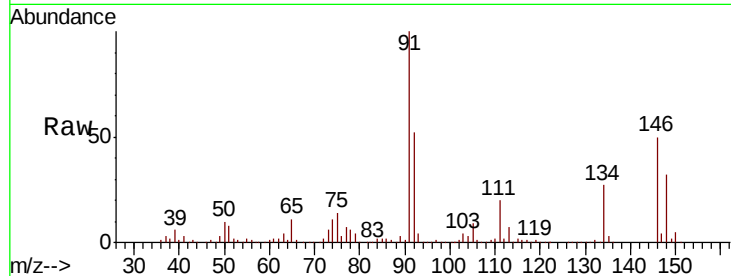




#89
n-Butylbenzene
Concen: 20.005 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

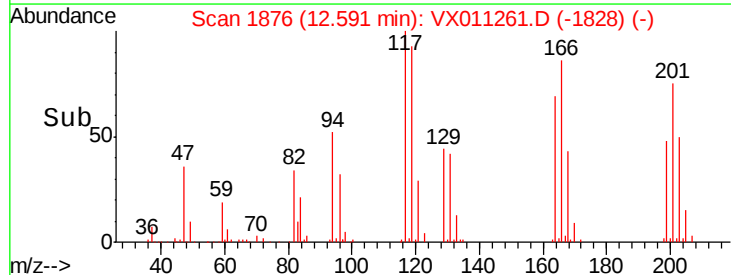
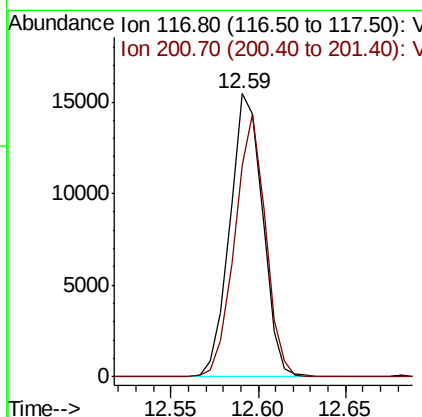
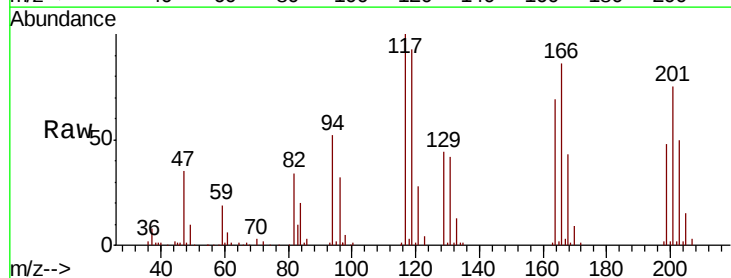
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 121228
Ion Ratio Lower Upper
91 100
92 51.4 25.8 77.3
134 28.0 13.7 41.0



#90
Hexachloroethane
Concen: 18.165 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion: 117 Resp: 20207
Ion Ratio Lower Upper
117 100
201 86.4 41.8 125.4

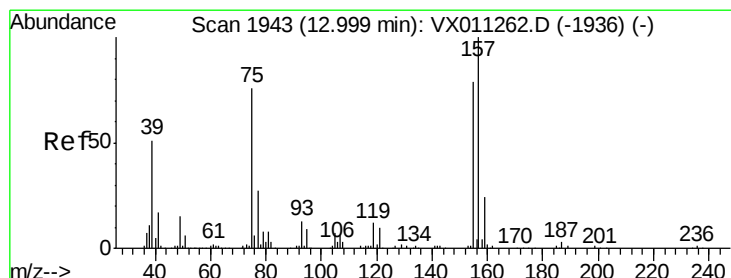
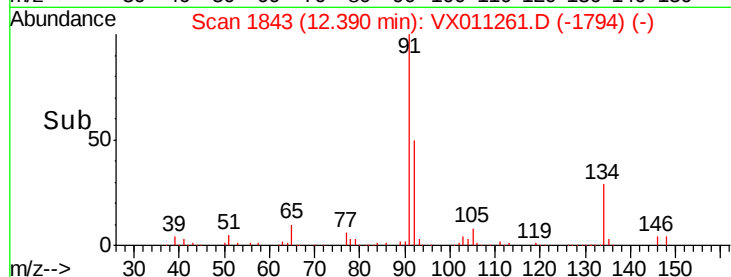
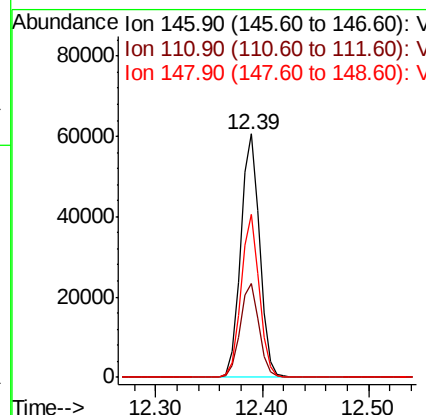
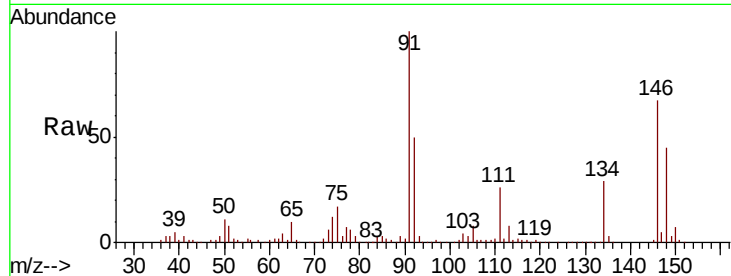




#91
 1,2-Dichlorobenzene
 Concen: 19.874 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

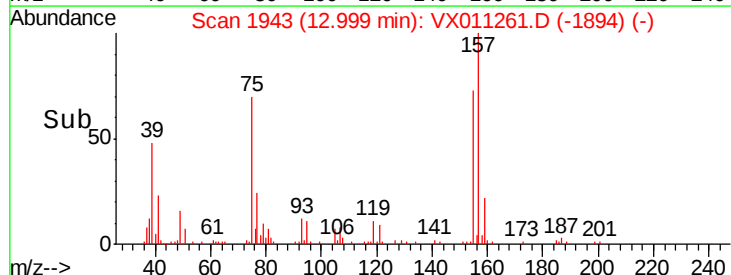
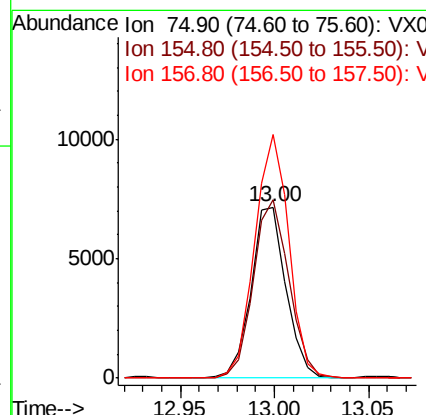
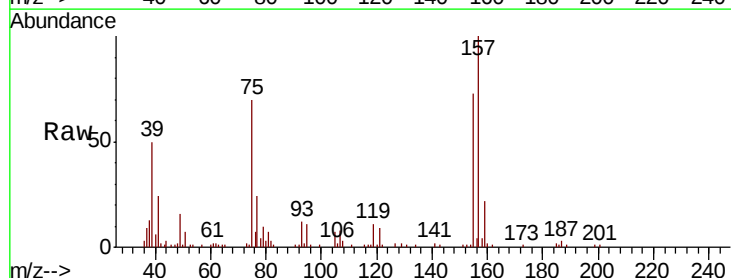
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 75384
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.1
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.071 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion: 75 Resp: 9213
 Ion Ratio Lower Upper
 75 100
 155 106.1 51.9 155.8
 157 138.6 64.3 192.7

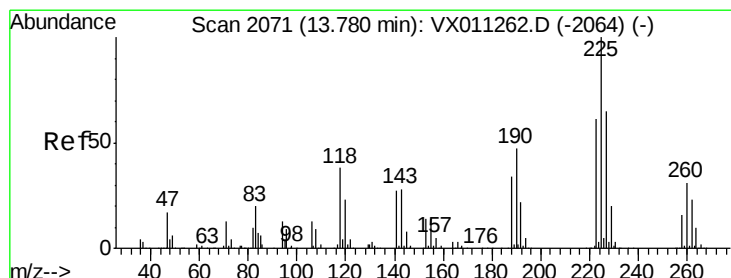
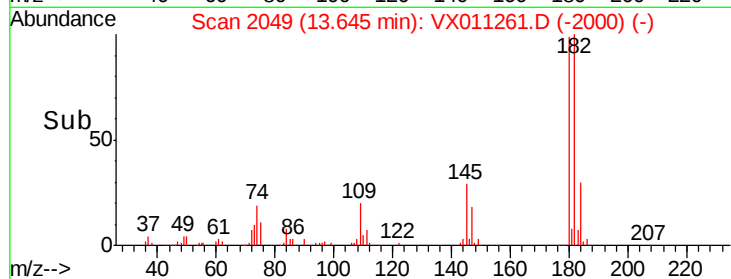
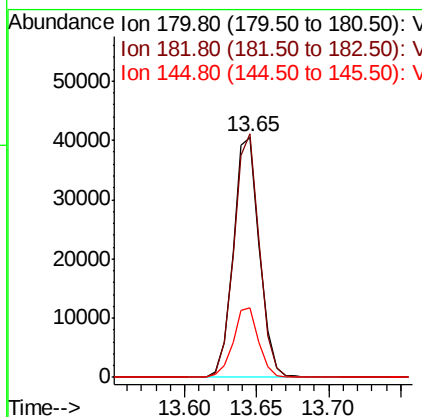
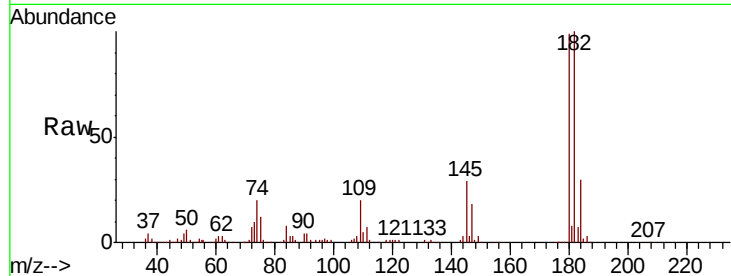




#93
 1,2,4-Trichlorobenzene
 Concen: 20.031 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

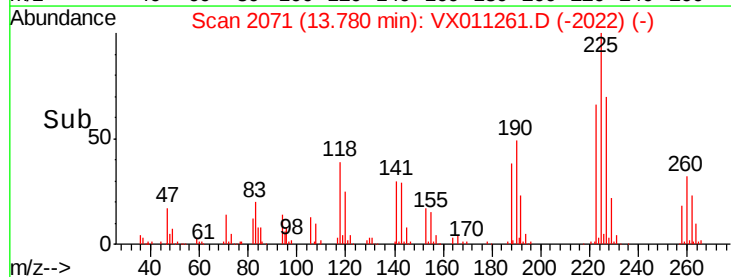
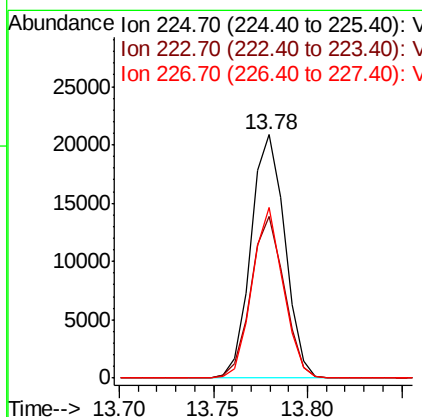
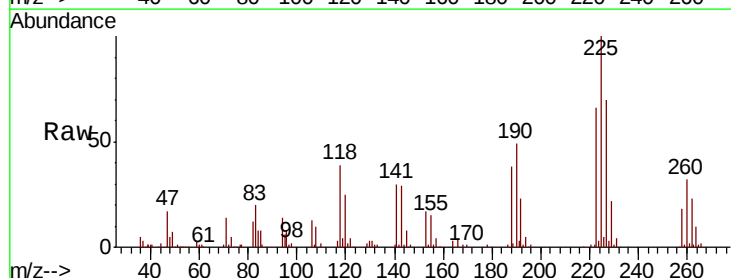
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 51340
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.8 143.4
 145 28.4 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 20.490 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011261.D
 Acq: 01 Aug 2019 15:50

Tgt Ion:225 Resp: 26122
 Ion Ratio Lower Upper
 225 100
 223 65.2 31.0 93.0
 227 64.3 32.2 96.6

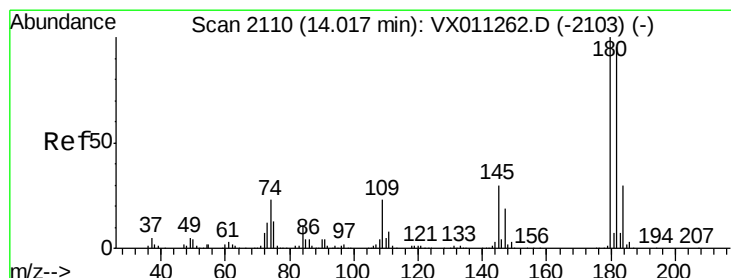
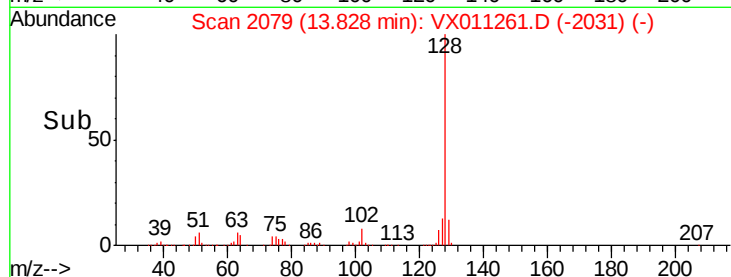
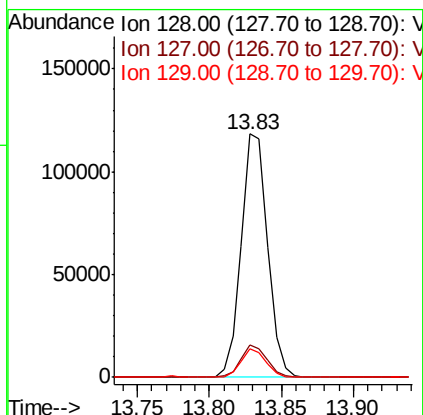
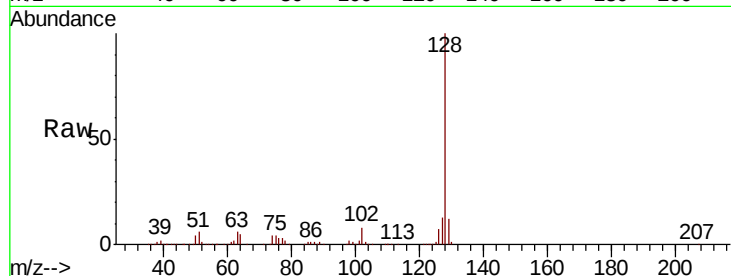




#95
Naphthalene
Concen: 19.885 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 150630
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.970 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011261.D
Acq: 01 Aug 2019 15:50

Tgt Ion:180 Resp: 51033
Ion Ratio Lower Upper
180 100
182 97.2 47.4 142.3
145 32.2 15.2 45.6

