

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
 Data File : VX011448.D
 Acq On : 11 Aug 2019 22:51
 Operator : JC/SP
 Sample : VX0811WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS02

Quant Time: Aug 12 07:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	167271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	250377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	123794	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	95703	56.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.62%	
35) Dibromofluoromethane	5.49	113	82885	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	8.71	98	311894	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.13	95	112989	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	24021	18.593	ug/l 97
3) Chloromethane	1.32	50	25459	17.549	ug/l 98
4) Vinyl Chloride	1.40	62	28525	17.875	ug/l 95
5) Bromomethane	1.63	94	20975	18.429	ug/l 99
6) Chloroethane	1.71	64	19227	17.773	ug/l 98
7) Trichlorofluoromethane	1.92	101	52354	18.451	ug/l 99
8) Diethyl Ether	2.18	74	18194	17.957	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	29967	19.519	ug/l 97
10) Methyl Iodide	2.50	142	32277	16.675	ug/l 99
11) Tert butyl alcohol	3.04	59	40654	121.040	ug/l 100
12) 1,1-Dichloroethene	2.37	96	27963	18.374	ug/l 91
13) Acrolein	2.29	56	9173	43.594	ug/l 94
14) Allyl chloride	2.72	41	40738	20.079	ug/l 94
15) Acrylonitrile	3.14	53	83742	104.471	ug/l 97
16) Acetone	2.43	43	74495	92.911	ug/l 94
17) Carbon Disulfide	2.56	76	60668	16.987	ug/l 100
18) Methyl Acetate	2.76	43	42216	23.040	ug/l 98
19) Methyl tert-butyl Ether	3.18	73	94080	20.977	ug/l 97
20) Methylene Chloride	2.85	84	33761	19.226	ug/l 96
21) trans-1,2-Dichloroethene	3.16	96	30521	18.958	ug/l 95
22) Diisopropyl ether	3.85	45	93238	20.909	ug/l 98
23) Vinyl Acetate	3.81	43	386964	104.628	ug/l 99
24) 1,1-Dichloroethane	3.69	63	53185	20.227	ug/l 98
25) 2-Butanone	4.66	43	117607	103.114	ug/l 96
26) 2,2-Dichloropropane	4.57	77	30438	14.892	ug/l 100
27) cis-1,2-Dichloroethene	4.59	96	35936	19.380	ug/l 99
28) Bromochloromethane	5.01	49	26950	22.483	ug/l 92
29) Tetrahydrofuran	5.12	42	73777	105.497	ug/l 99
30) Chloroform	5.20	83	59147	20.697	ug/l 98
31) Cyclohexane	5.58	56	41747	19.244	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	50943	20.809	ug/l 98
36) 1,1-Dichloropropene	5.79	75	41843	19.141	ug/l 98
37) Ethyl Acetate	4.83	43	44242	20.177	ug/l 98
38) Carbon Tetrachloride	5.78	117	44247	20.119	ug/l 98

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Instrument :
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 ClientSampleId :
 VX0811WBS02

Quant Time: Aug 12 07:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	45290	17.479	ug/l	97
40) Benzene	6.13	78	127101	19.484	ug/l	99
41) Methacrylonitrile	5.04	41	24225	20.229	ug/l	96
42) 1,2-Dichloroethane	6.18	62	48151	21.829	ug/l	98
43) Isopropyl Acetate	6.44	43	69725	19.889	ug/l	99
44) Trichloroethene	7.21	130	36262	18.365	ug/l	96
45) 1,2-Dichloropropane	7.51	63	32466	19.217	ug/l	94
46) Dibromomethane	7.66	93	24384	19.771	ug/l	95
47) Bromodichloromethane	7.90	83	42295	20.256	ug/l	98
48) Methyl methacrylate	7.76	41	35498	21.516	ug/l	94
49) 1,4-Dioxane	7.74	88	18132	379.093	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	238741	105.524	ug/l	99
52) Toluene	8.78	92	83662	19.398	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	41003	18.743	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	45551	18.675	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	35369	19.945	ug/l	99
56) Ethyl methacrylate	9.18	69	49897	19.745	ug/l	97
57) 1,3-Dichloropropane	9.37	76	55365	19.742	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	125758	101.211	ug/l	100
59) 2-Hexanone	9.49	43	184980	105.558	ug/l	97
60) Dibromochloromethane	9.58	129	35973	19.814	ug/l	99
61) 1,2-Dibromoethane	9.67	107	37122	19.376	ug/l	99
64) Tetrachloroethene	9.34	164	36604	18.676	ug/l	97
65) Chlorobenzene	10.13	112	94610	19.119	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	34203	20.189	ug/l	99
67) Ethyl Benzene	10.25	91	161652	19.506	ug/l	100
68) m/p-Xylenes	10.35	106	126299	39.400	ug/l	97
69) o-Xylene	10.69	106	61098	19.399	ug/l	98
70) Styrene	10.71	104	102798	19.726	ug/l	98
71) Bromoform	10.85	173	26035	19.049	ug/l #	99
73) Isopropylbenzene	11.02	105	163706	19.335	ug/l	100
74) N-amyl acetate	10.90	43	62564	20.451	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	55939	19.826	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	56585	25.099	ug/l	84
77) Bromobenzene	11.25	156	45464	19.365	ug/l	97
78) n-propylbenzene	11.35	91	182153	19.346	ug/l	99
79) 2-Chlorotoluene	11.42	91	109523	19.516	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	136509	19.261	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	12420	17.907	ug/l	88
82) 4-Chlorotoluene	11.51	91	127674	19.521	ug/l	97
83) tert-Butylbenzene	11.77	119	133624	19.223	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	138883	19.682	ug/l	100
85) sec-Butylbenzene	11.94	105	159082	19.048	ug/l	100
86) p-Isopropyltoluene	12.06	119	147024	19.136	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	79502	19.165	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	79491	18.583	ug/l	97
89) n-Butylbenzene	12.38	91	121503	18.356	ug/l	98
90) Hexachloroethane	12.59	117	21513	18.939	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	80202	19.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	11828	21.638	ug/l	90

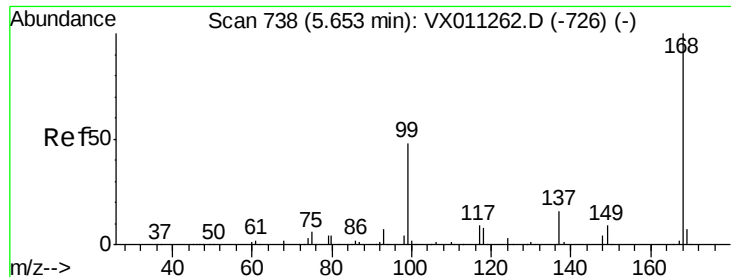
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	52571	19.019	ug/l	97
94) Hexachlorobutadiene	13.78	225	25888	18.460	ug/l	99
95) Naphthalene	13.83	128	160742	19.885	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	53941	19.195	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

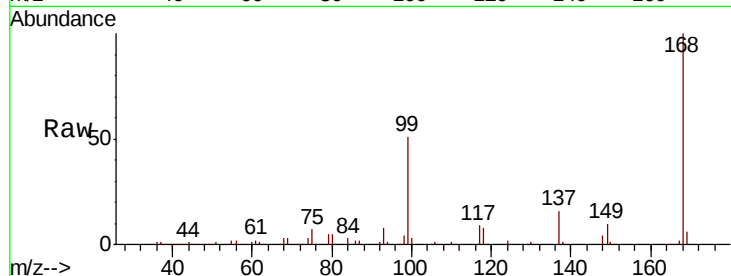
VX0811WBS02

Tgt Ion:168 Resp: 167271

Ion Ratio Lower Upper

168 100

99 51.0 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

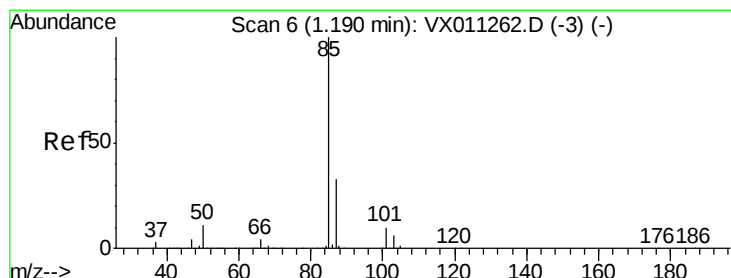
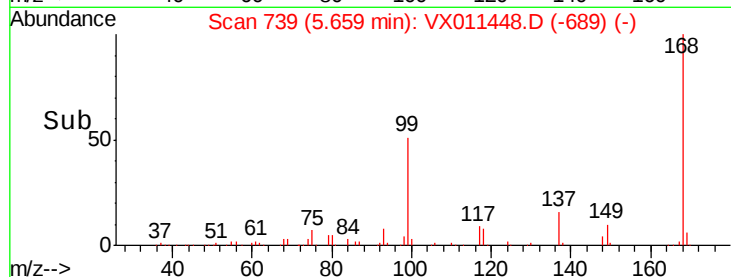
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.593 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011448.D

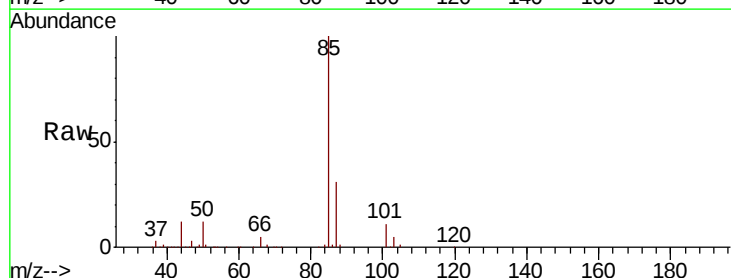
Acq: 11 Aug 2019 22:51

Tgt Ion: 85 Resp: 24021

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

30000

25000

20000

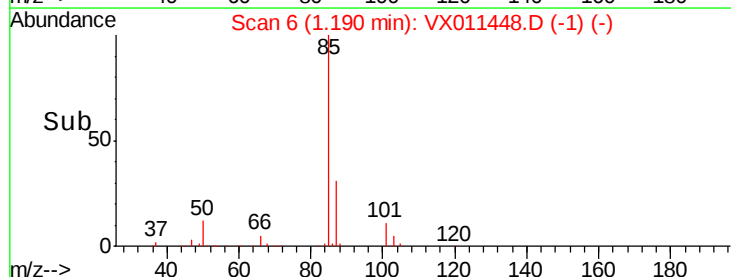
15000

10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 17.549 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

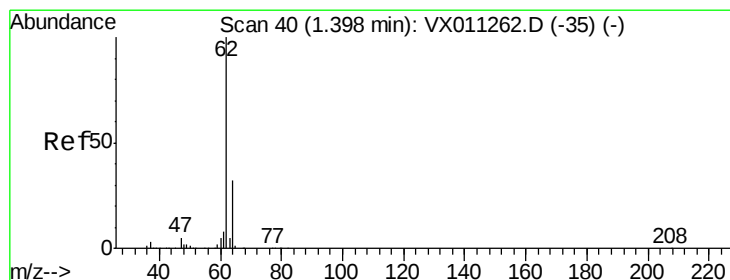
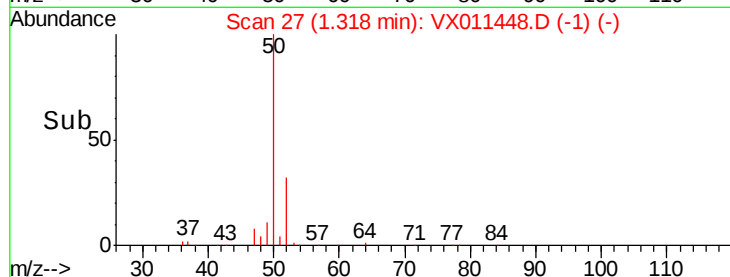
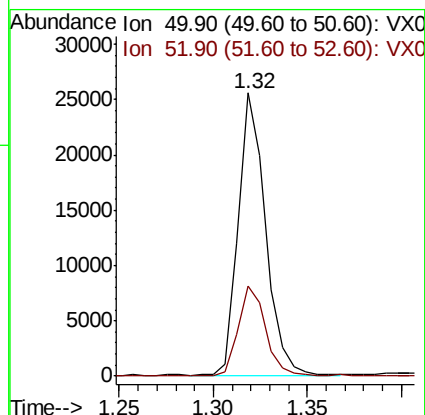
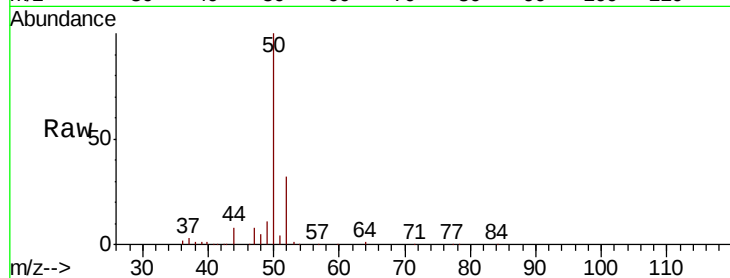
VX0811WBS02

Tgt Ion: 50 Resp: 25459

Ion Ratio Lower Upper

50 100

52 31.8 26.4 39.6



#4

Vinyl Chloride

Concen: 17.875 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011448.D

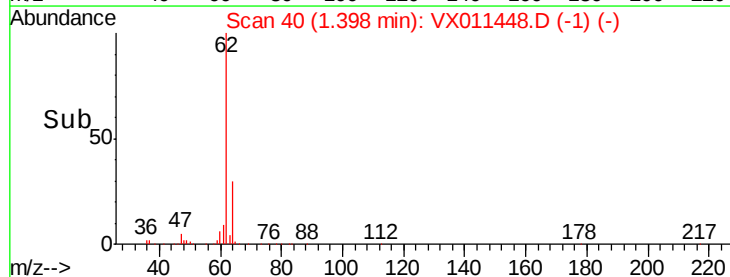
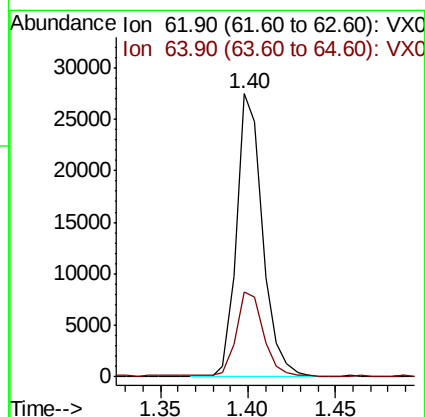
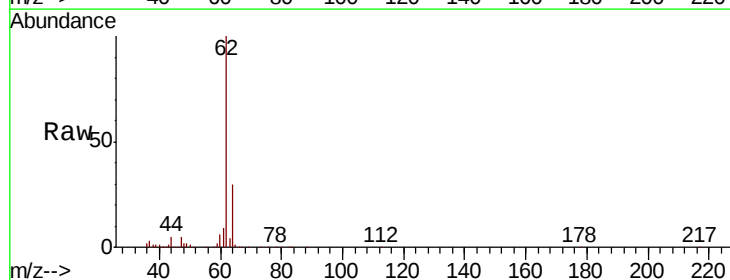
Acq: 11 Aug 2019 22:51

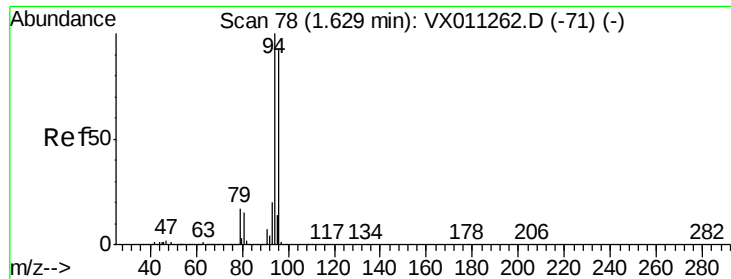
Tgt Ion: 62 Resp: 28525

Ion Ratio Lower Upper

62 100

64 29.8 26.0 39.0





#5

Bromomethane

Concen: 18.429 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

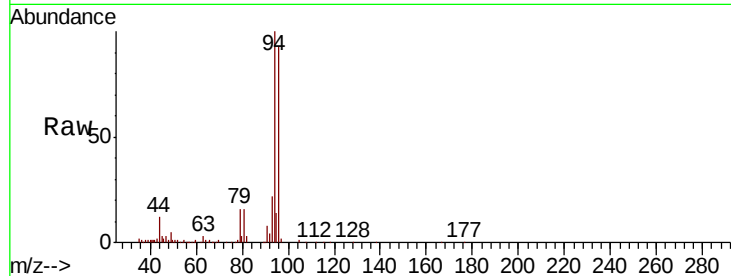
VX0811WBS02

Tgt Ion: 94 Resp: 20975

Ion Ratio Lower Upper

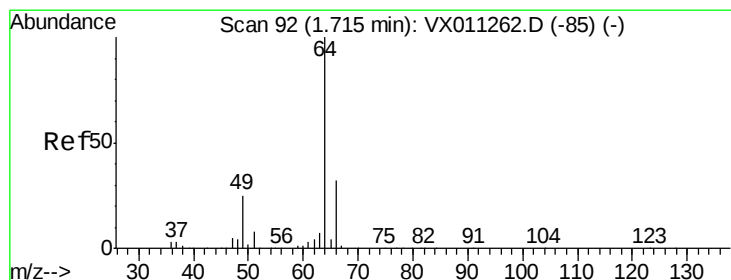
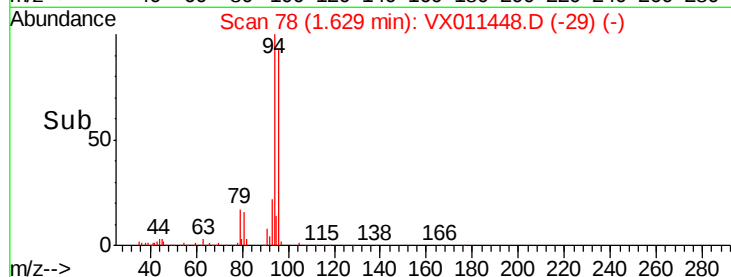
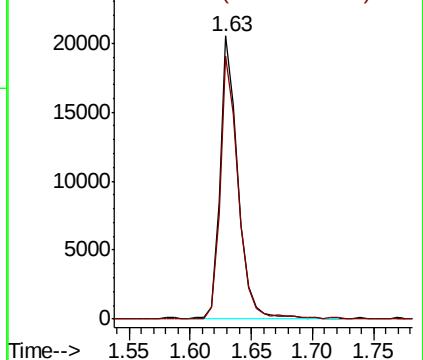
94 100

96 92.7 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: 17.773 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011448.D

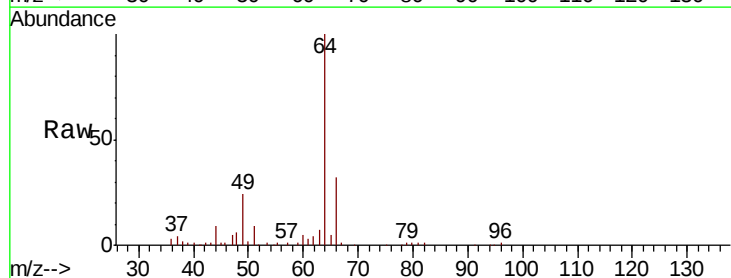
Acq: 11 Aug 2019 22:51

Tgt Ion: 64 Resp: 19227

Ion Ratio Lower Upper

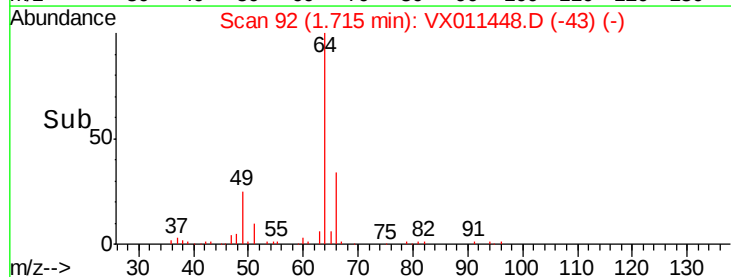
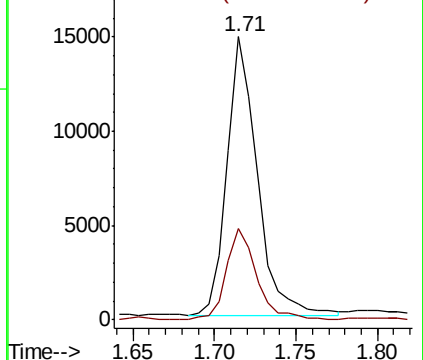
64 100

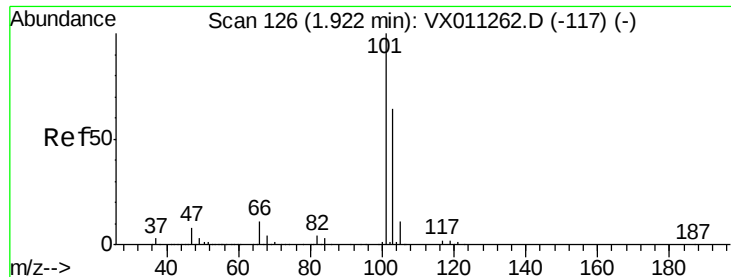
66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



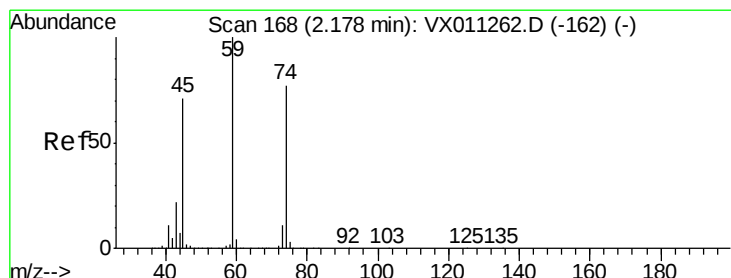
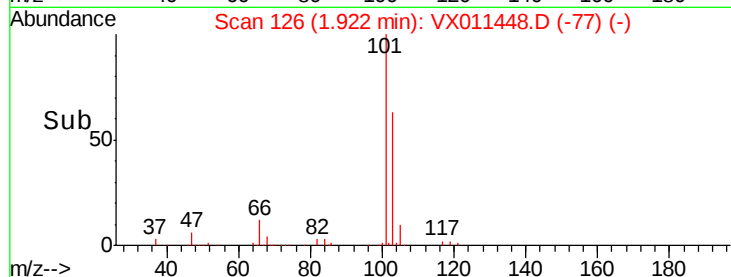
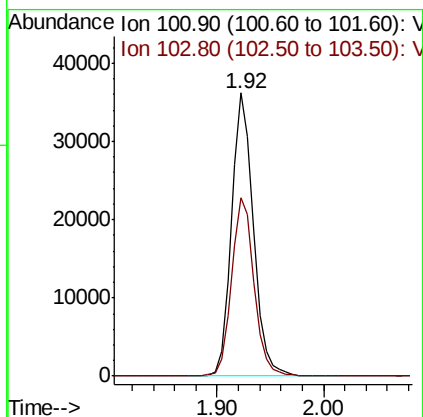
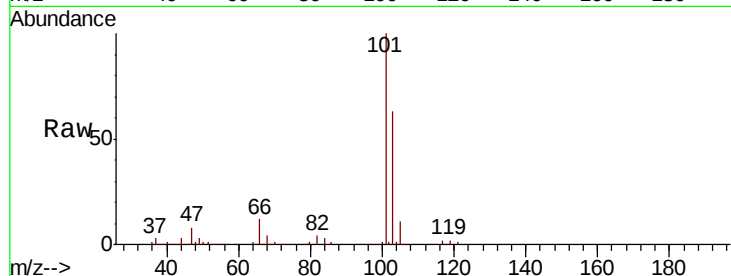


#7

Trichlorofluoromethane
Concen: 18.451 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Instrument :
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VX0811WBS02

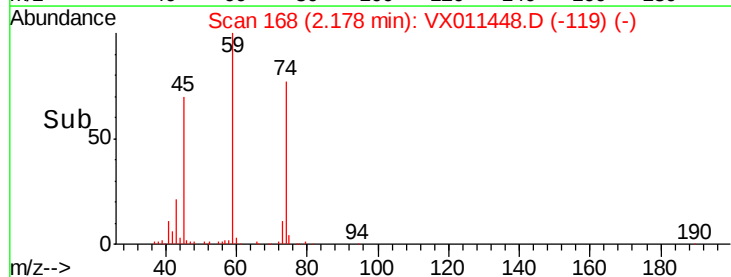
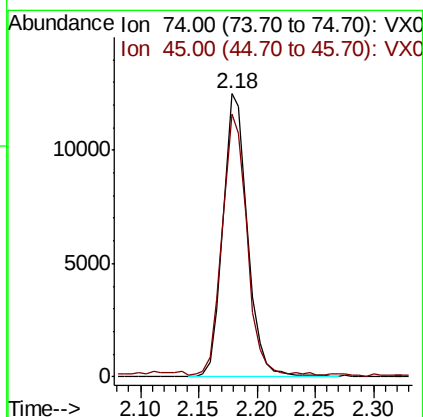
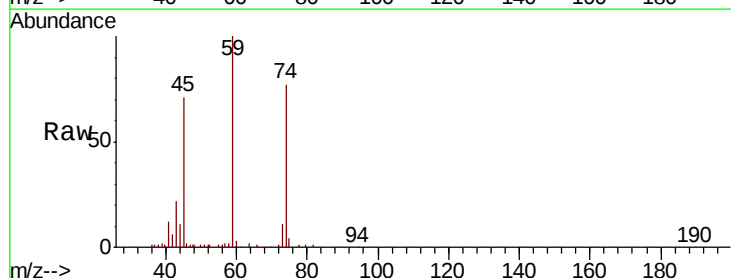
Tgt Ion: 101 Resp: 52354
Ion Ratio Lower Upper
101 100
103 63.0 50.9 76.3



#8

Diethyl Ether
Concen: 17.957 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 74 Resp: 18194
Ion Ratio Lower Upper
74 100
45 93.0 46.1 138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.519 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

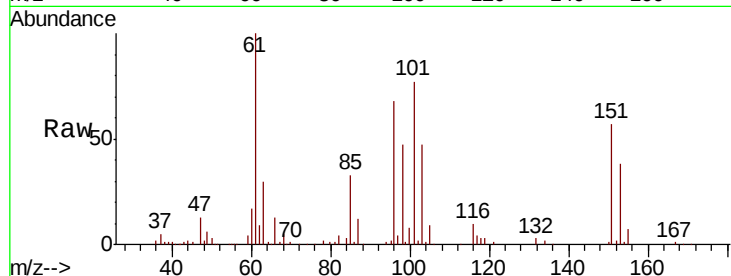
Tgt Ion:101 Resp: 29967

Ion Ratio Lower Upper

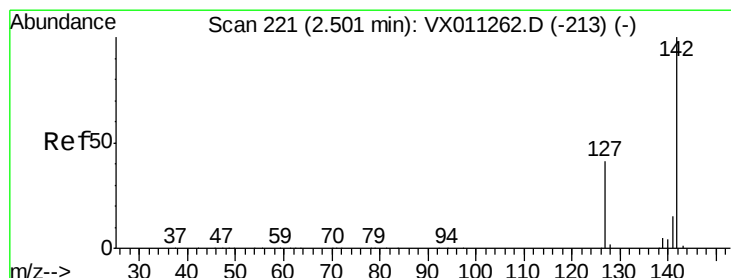
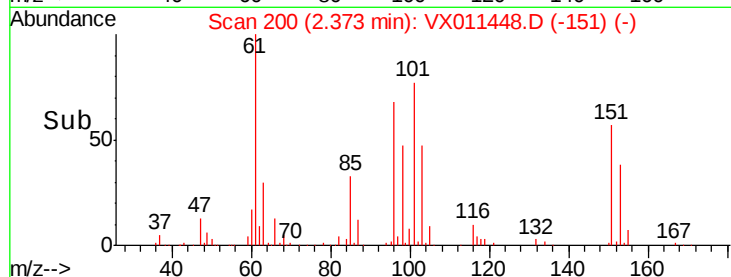
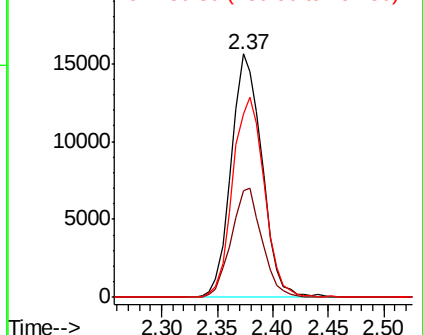
101 100

85 44.4 33.8 50.6

151 84.3 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: 16.675 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

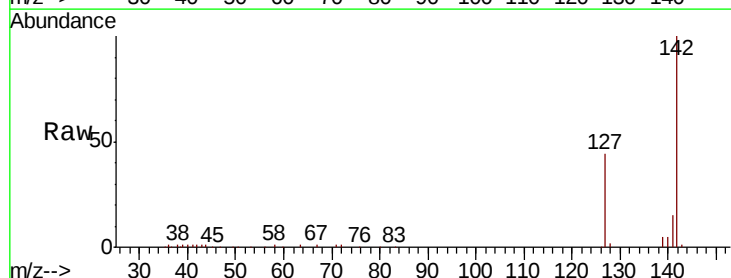
Tgt Ion:142 Resp: 32277

Ion Ratio Lower Upper

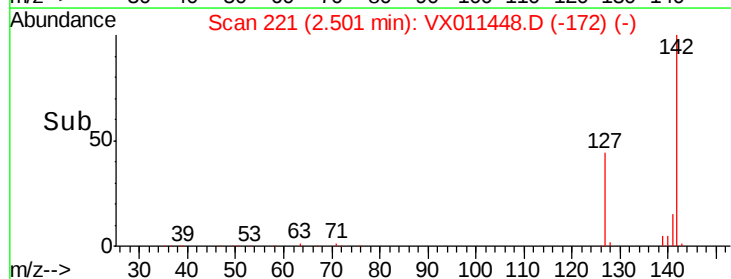
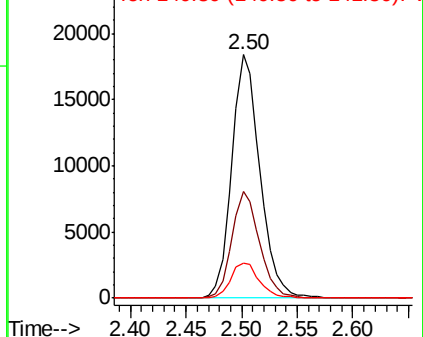
142 100

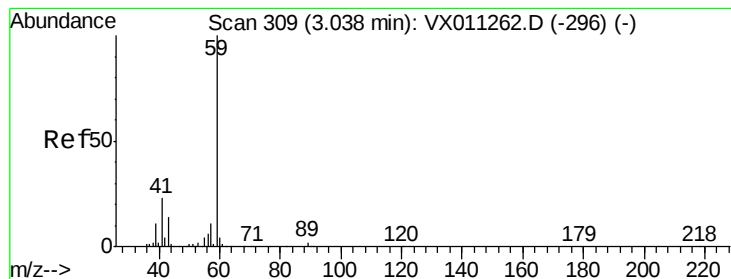
127 43.2 33.8 50.8

141 14.7 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



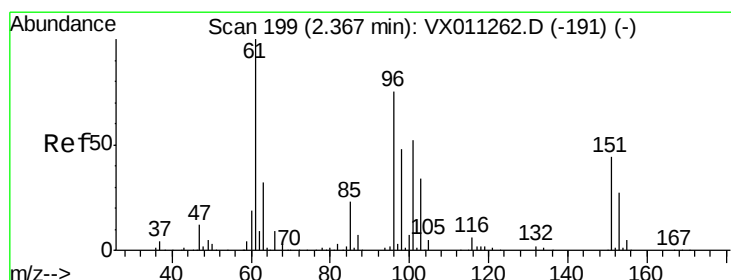
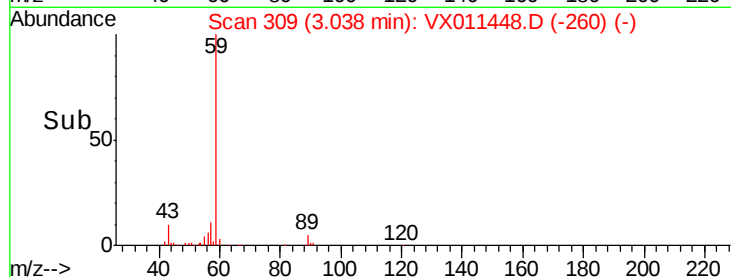
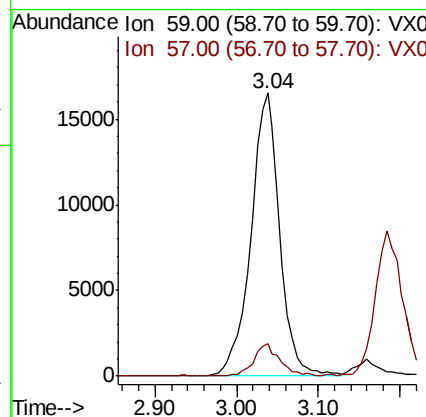
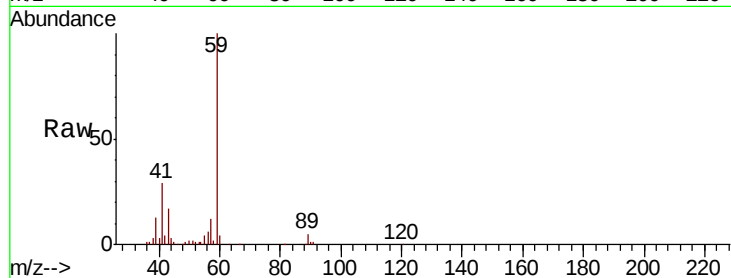


#11

Tert butyl alcohol
 Concen: 121.040 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS02

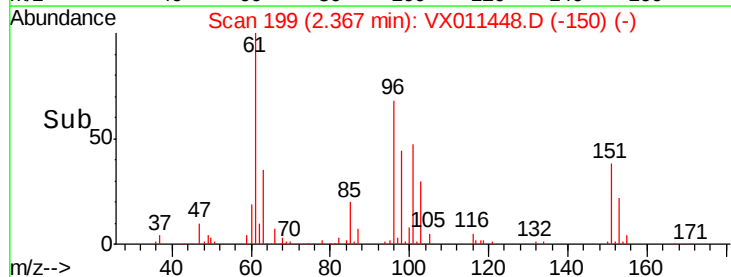
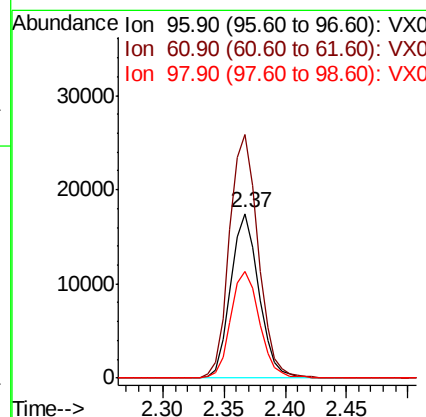
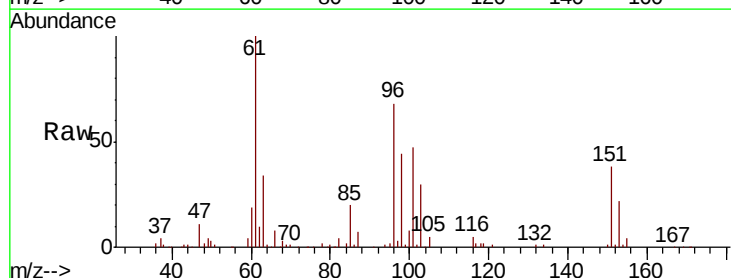
Tgt Ion: 59 Resp: 40654
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

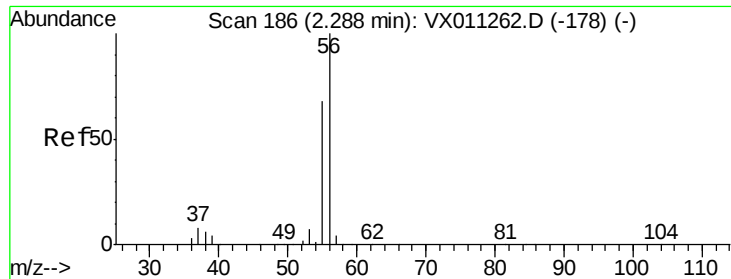


#12

1,1-Dichloroethene
 Concen: 18.374 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

Tgt Ion: 96 Resp: 27963
 Ion Ratio Lower Upper
 96 100
 61 147.4 106.2 159.2
 98 64.6 50.6 75.8





#13

Acrolein

Concen: 43.594 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

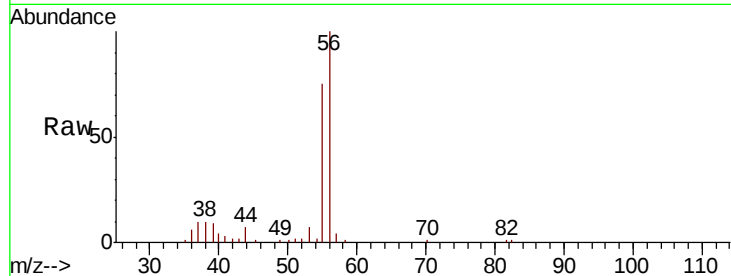
VX0811WBS02

Tgt Ion: 56 Resp: 9173

Ion Ratio Lower Upper

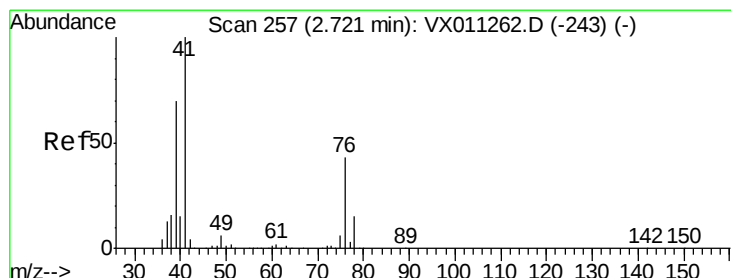
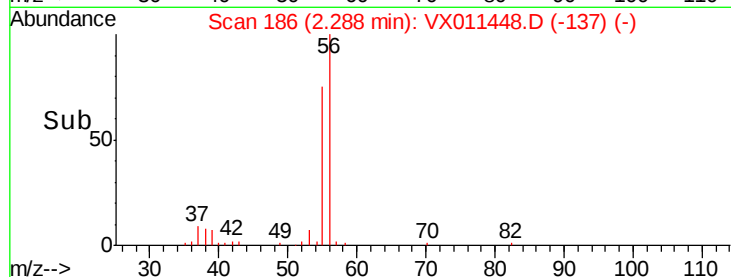
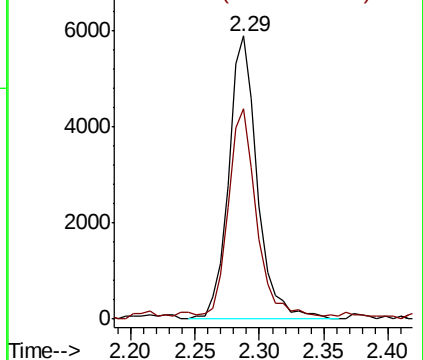
56 100

55 74.6 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: 20.079 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

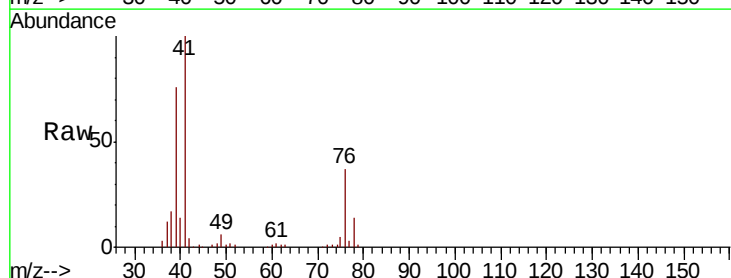
Tgt Ion: 41 Resp: 40738

Ion Ratio Lower Upper

41 100

39 70.3 52.8 79.2

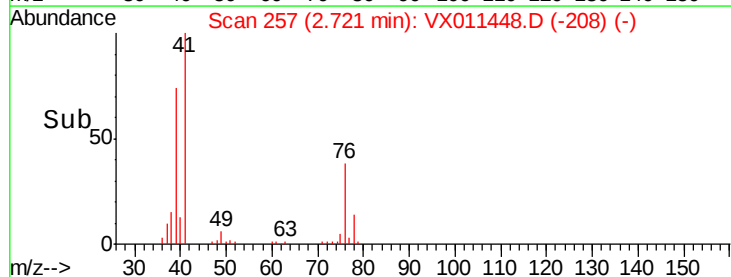
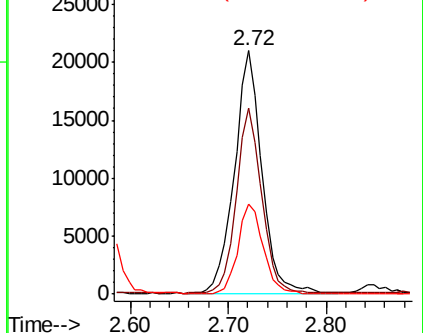
76 34.2 31.1 46.7



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: 104.471 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampled :

VX0811WBS02

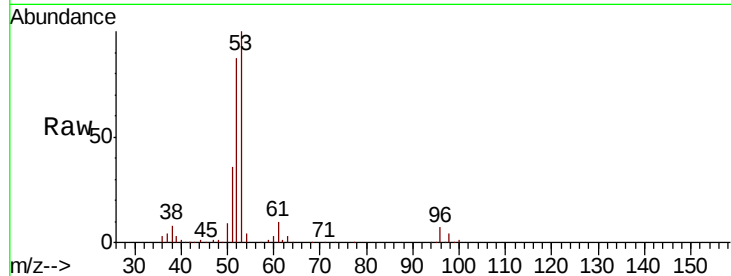
Tgt Ion: 53 Resp: 83742

Ion Ratio Lower Upper

53 100

52 85.0 65.5 98.3

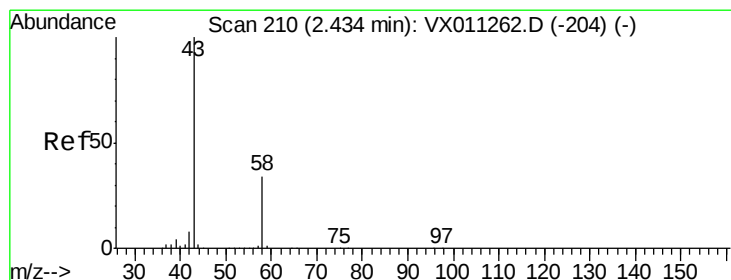
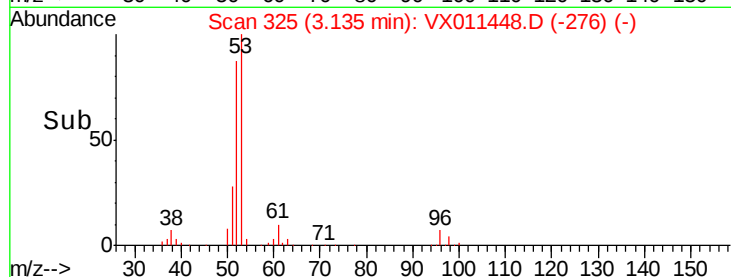
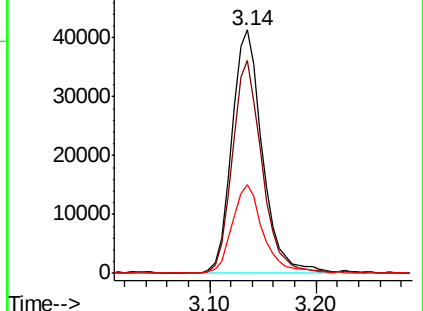
51 36.4 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 92.911 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011448.D

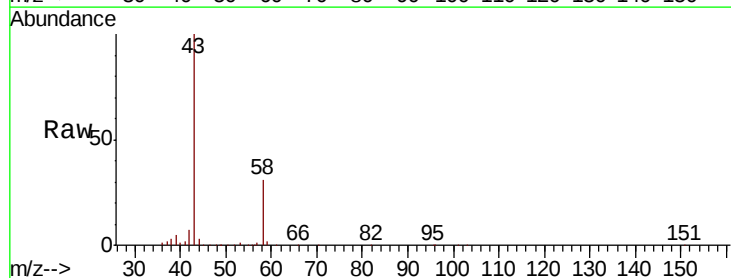
Acq: 11 Aug 2019 22:51

Tgt Ion: 43 Resp: 74495

Ion Ratio Lower Upper

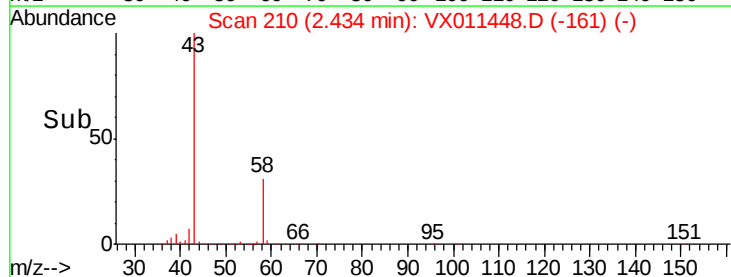
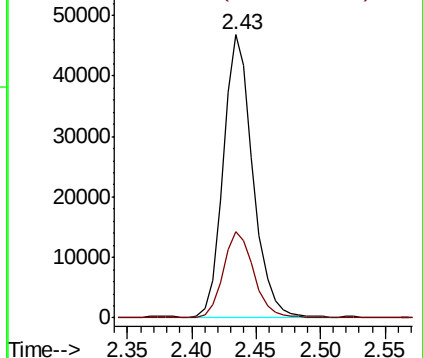
43 100

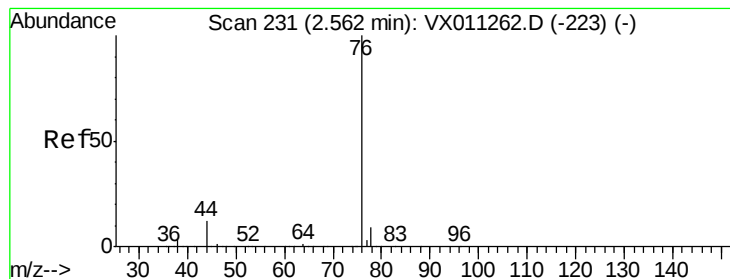
58 30.6 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 16.987 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

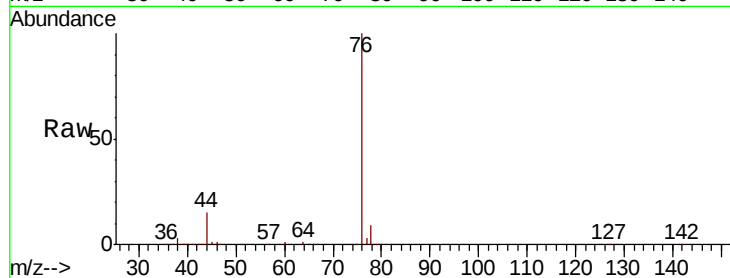
VX0811WBS02

Tgt Ion: 76 Resp: 60668

Ion Ratio Lower Upper

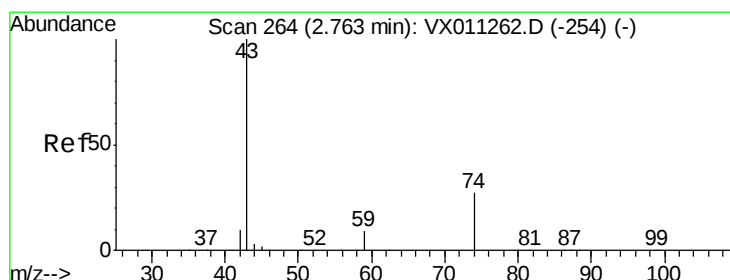
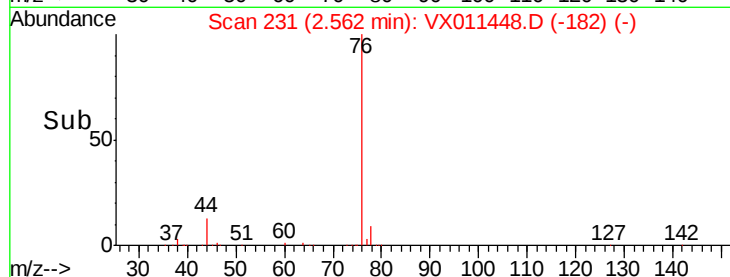
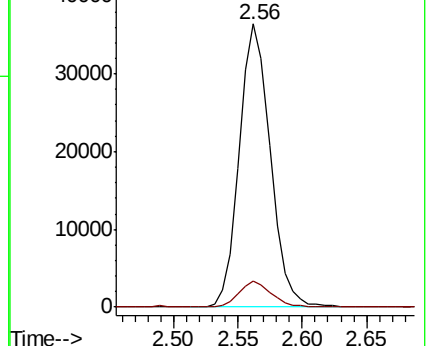
76 100

78 9.3 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: 23.040 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011448.D

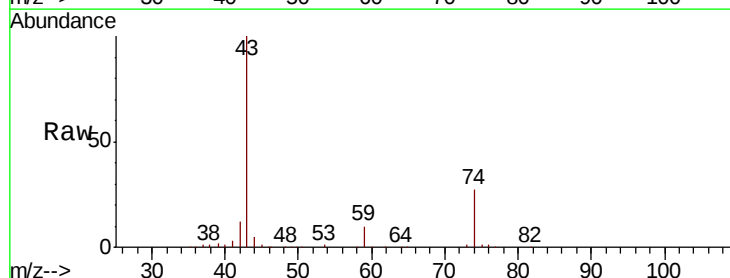
Acq: 11 Aug 2019 22:51

Tgt Ion: 43 Resp: 42216

Ion Ratio Lower Upper

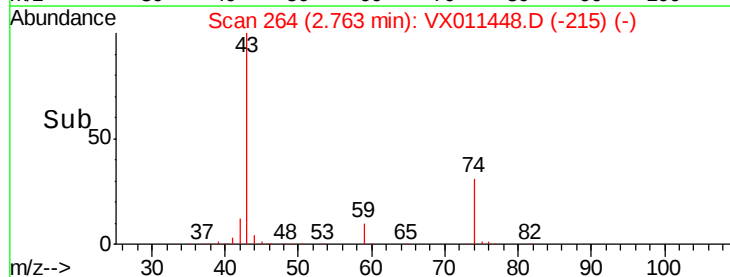
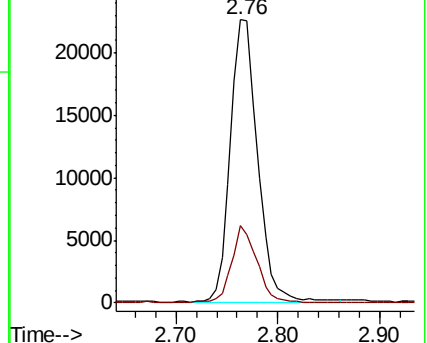
43 100

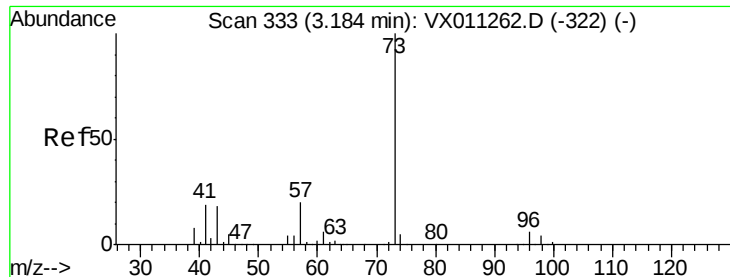
74 25.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

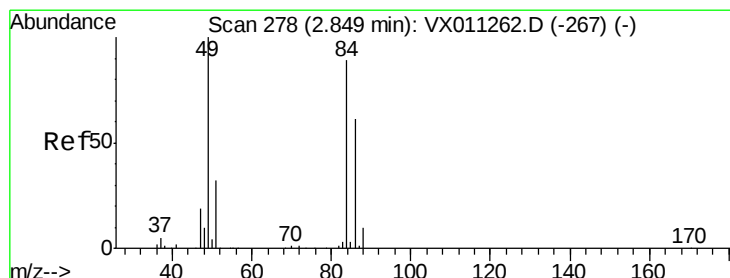
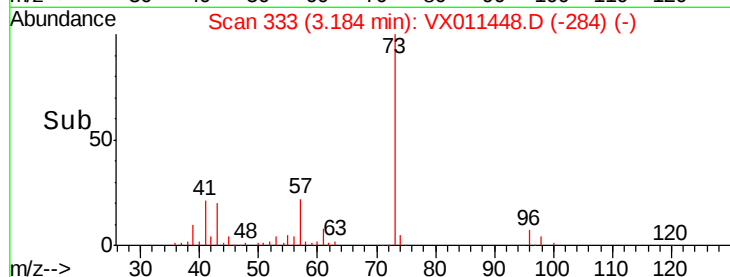
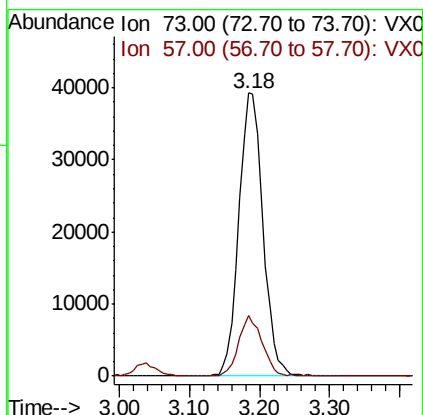
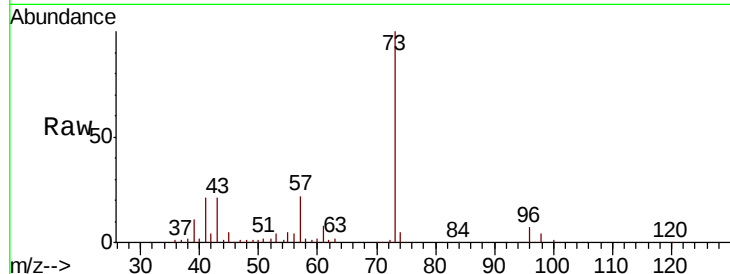




#19
Methyl tert-butyl Ether
Concen: 20.977 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

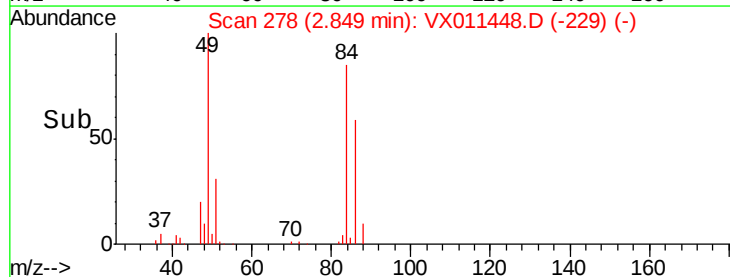
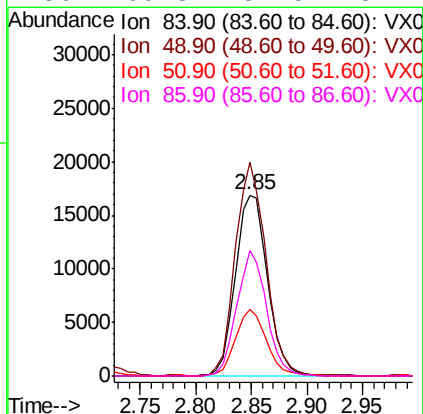
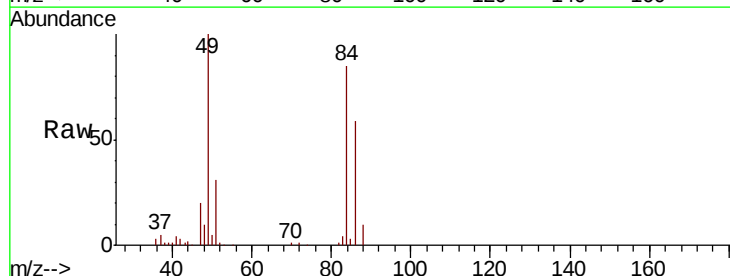
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

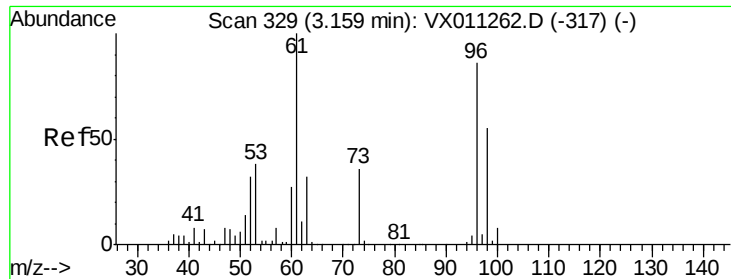
Tgt Ion: 73 Resp: 94080
Ion Ratio Lower Upper
73 100
57 21.6 16.2 24.2



#20
Methylene Chloride
Concen: 19.226 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 84 Resp: 33761
Ion Ratio Lower Upper
84 100
49 118.2 89.3 133.9
51 37.0 28.3 42.5
86 69.3 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 18.958 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

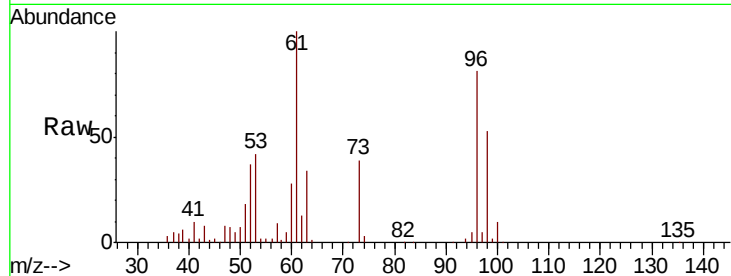
Tgt Ion: 96 Resp: 30521

Ion Ratio Lower Upper

96 100

61 123.6 92.8 139.2

98 65.4 51.2 76.8

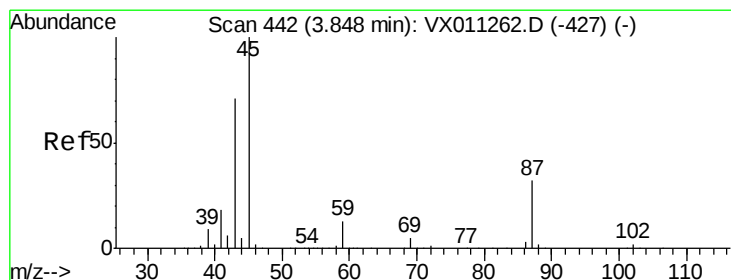
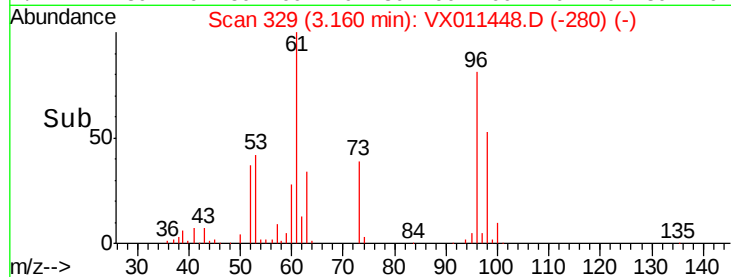
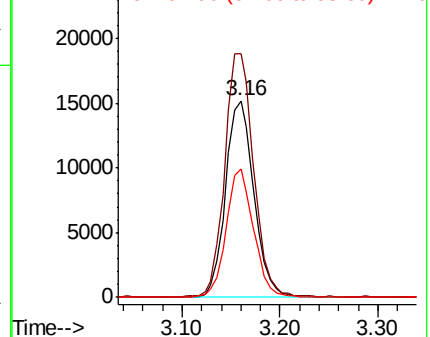


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.909 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Tgt Ion: 45 Resp: 93238

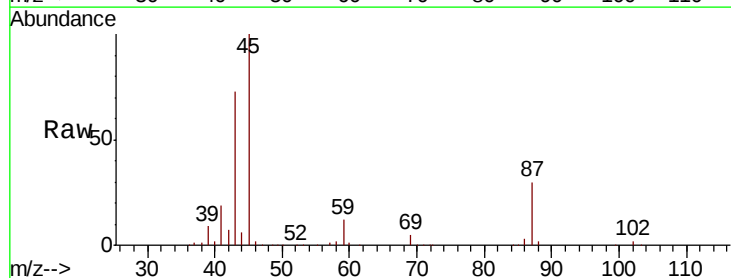
Ion Ratio Lower Upper

45 100

43 72.4 56.8 85.2

87 30.1 25.8 38.6

59 11.8 10.3 15.5



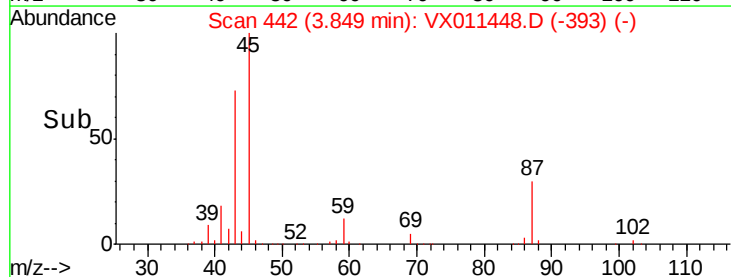
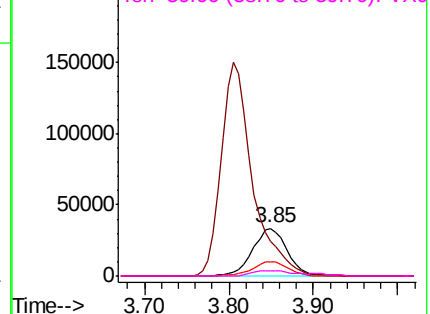
Abundance

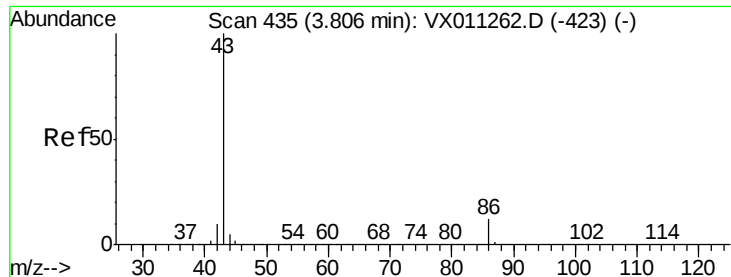
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 104.628 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

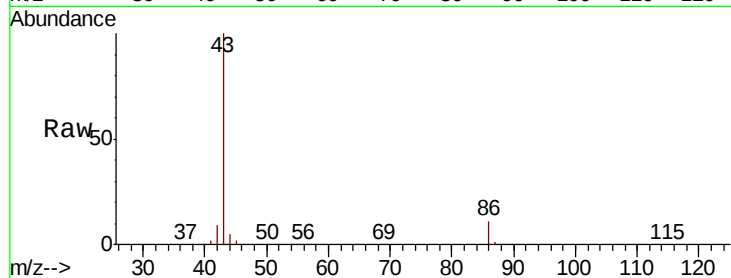
VX0811WBS02

Tgt Ion: 43 Resp: 386964

Ion Ratio Lower Upper

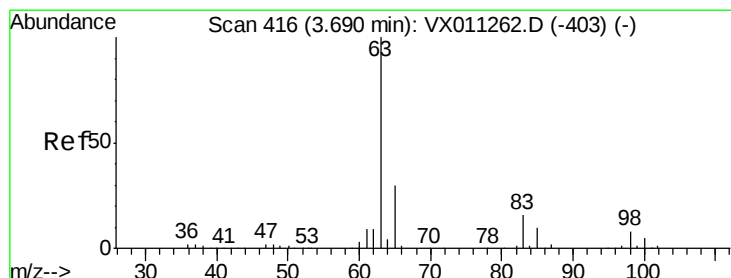
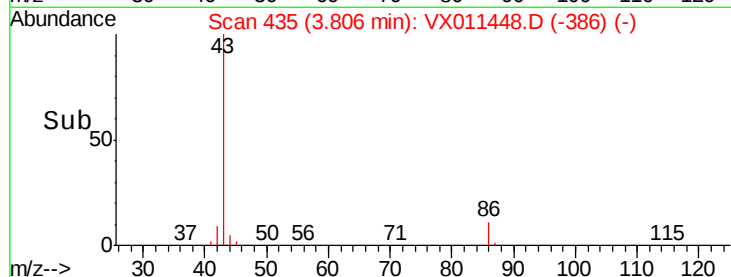
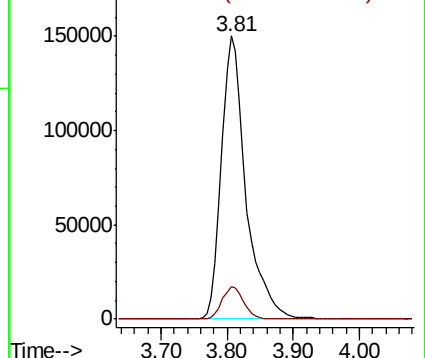
43 100

86 11.5 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.227 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

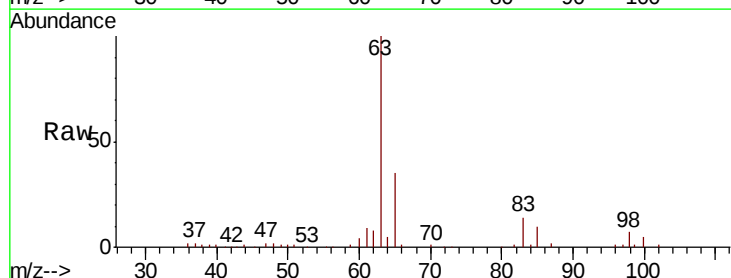
Tgt Ion: 63 Resp: 53185

Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.5

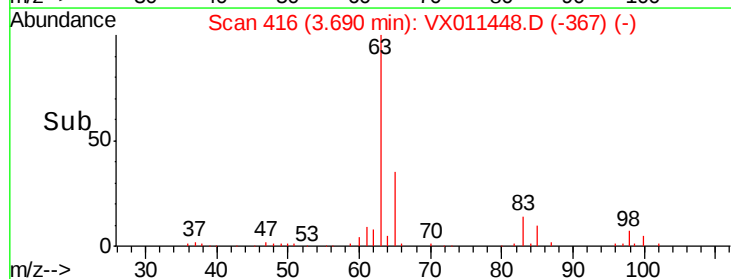
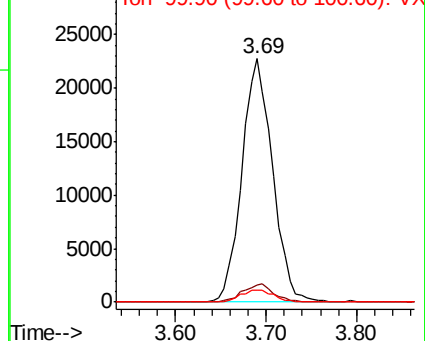
100 5.1 2.7 8.1

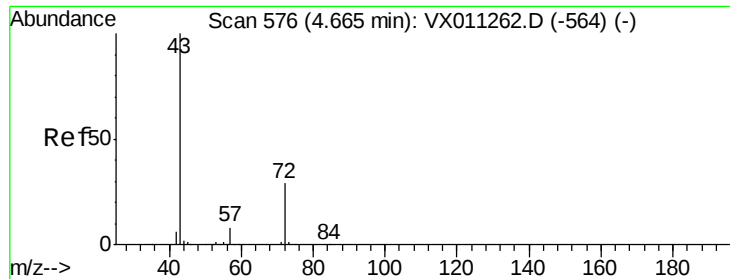


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 103.114 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

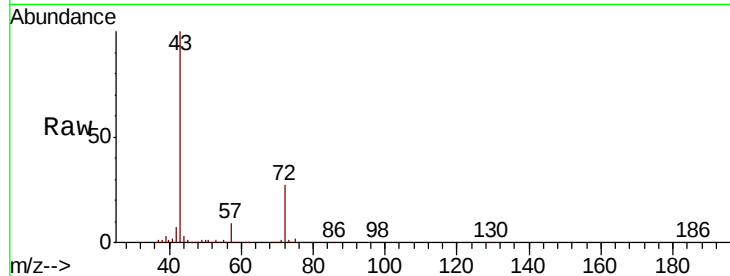
VX0811WBS02

Tgt Ion: 43 Resp: 117607

Ion Ratio Lower Upper

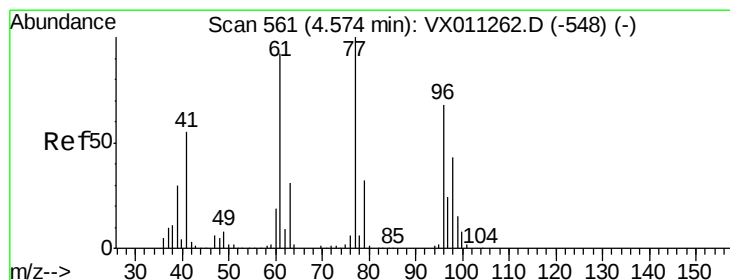
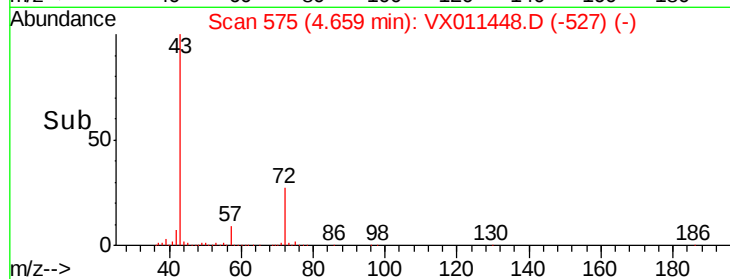
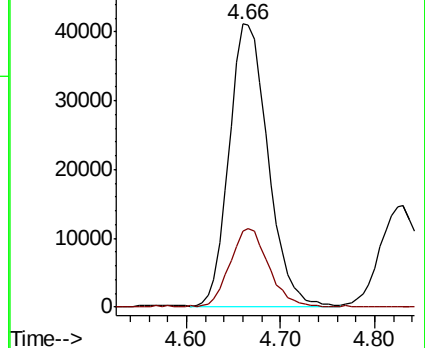
43 100

72 26.7 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: 14.892 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011448.D

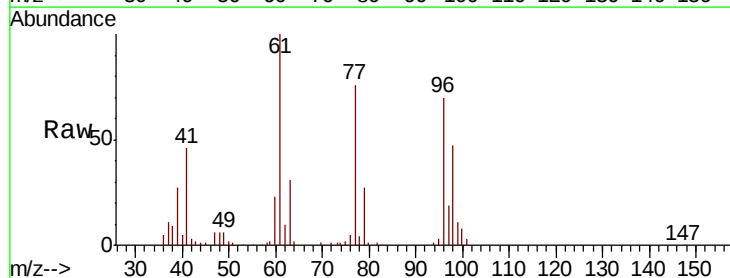
Acq: 11 Aug 2019 22:51

Tgt Ion: 77 Resp: 30438

Ion Ratio Lower Upper

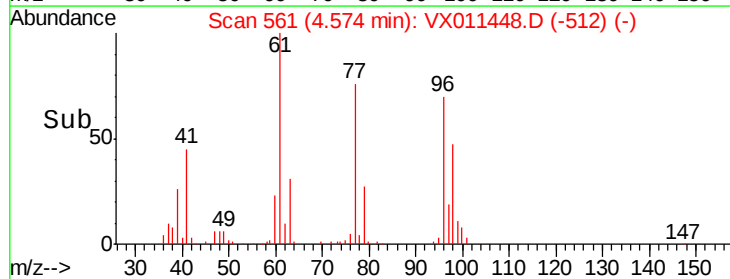
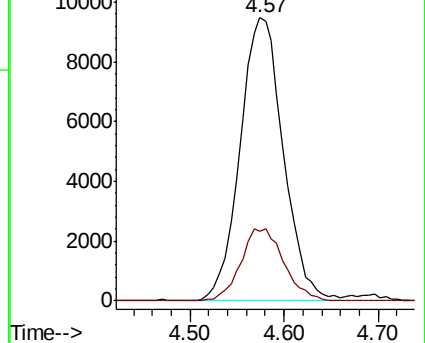
77 100

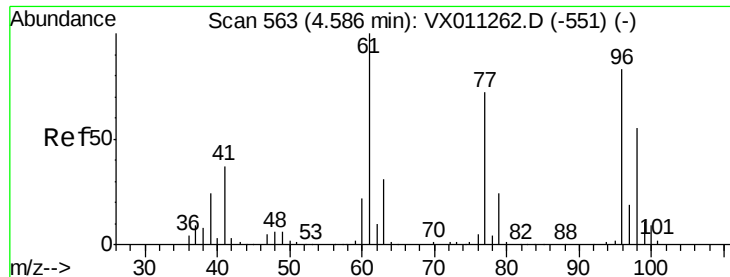
97 25.4 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



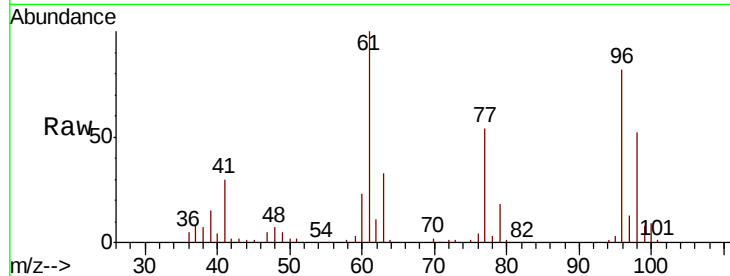


#27

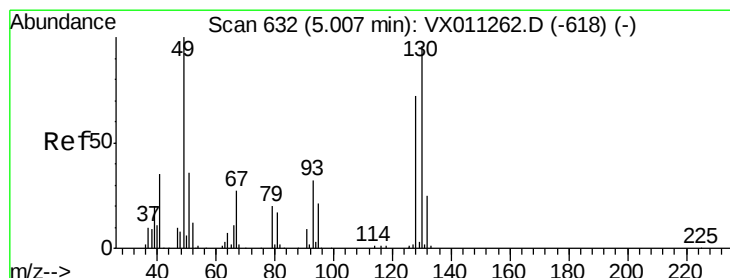
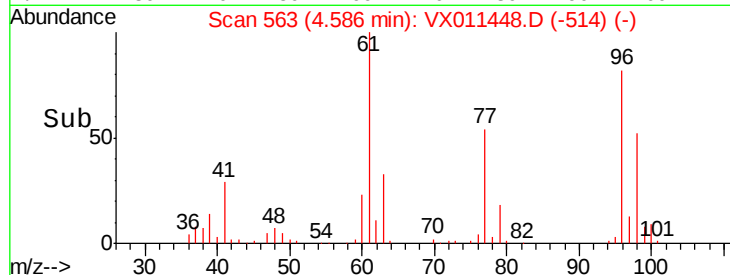
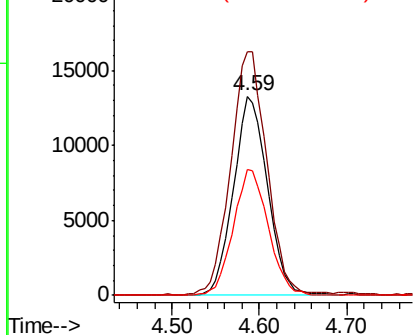
cis-1,2-Dichloroethene
 Concen: 19.380 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS02

Tgt Ion: 96 Resp: 35936
 Ion Ratio Lower Upper
 96 100
 61 129.8 0.0 260.2
 98 64.9 0.0 133.2



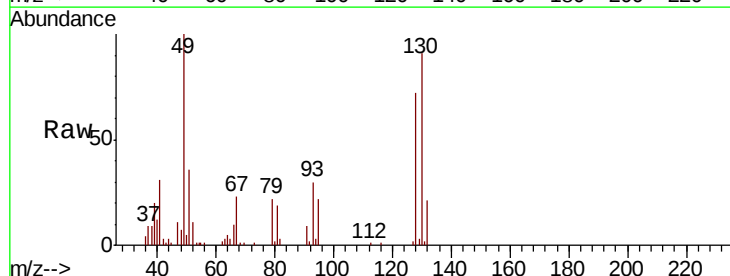
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



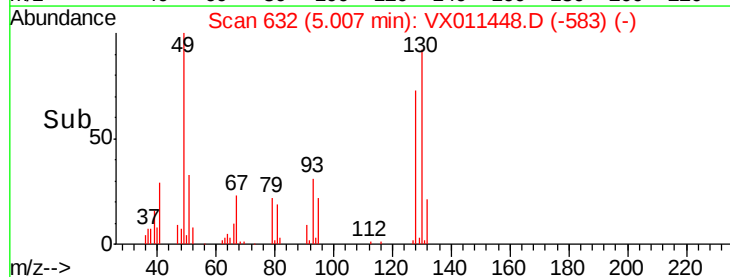
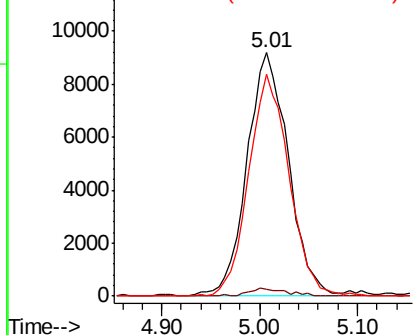
#28

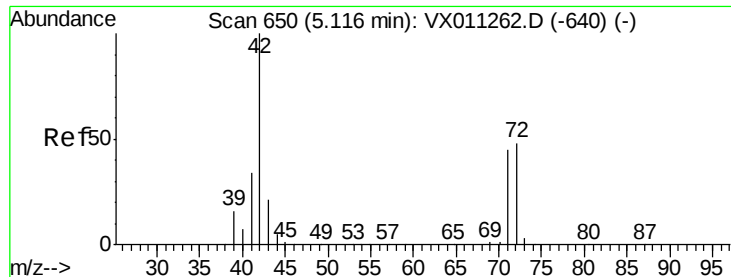
Bromochloromethane
 Concen: 22.483 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

Tgt Ion: 49 Resp: 26950
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 5.8
 130 89.2 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

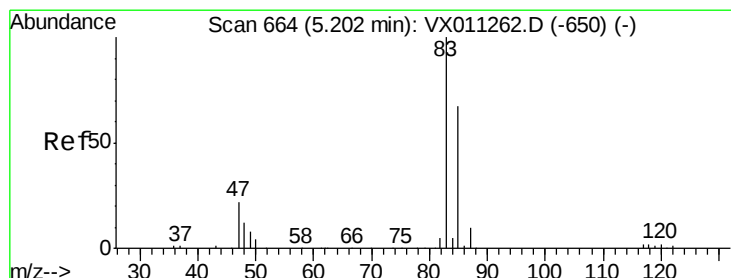
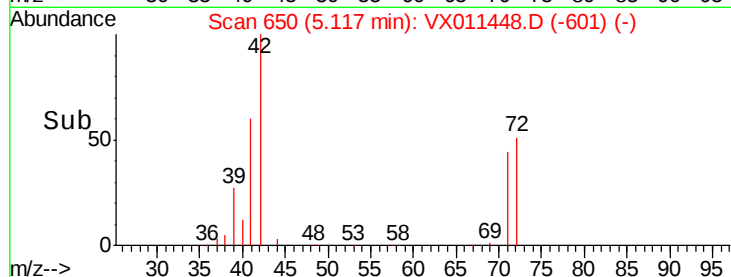
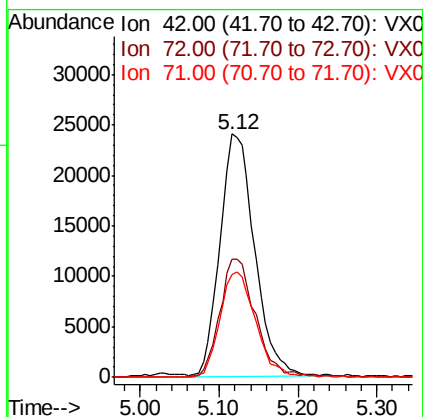
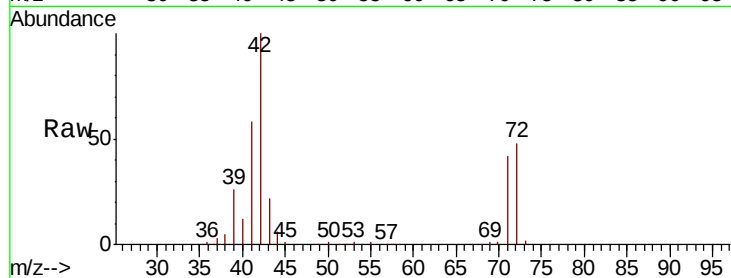




#29
Tetrahydrofuran
Concen: 105.497 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

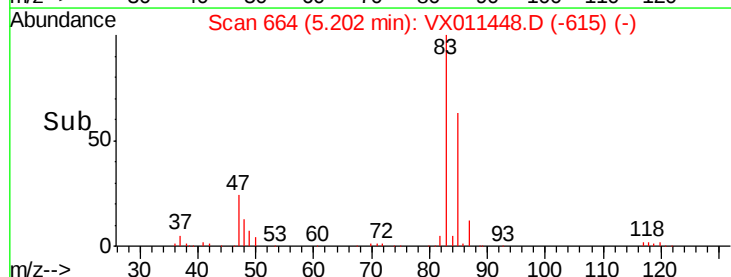
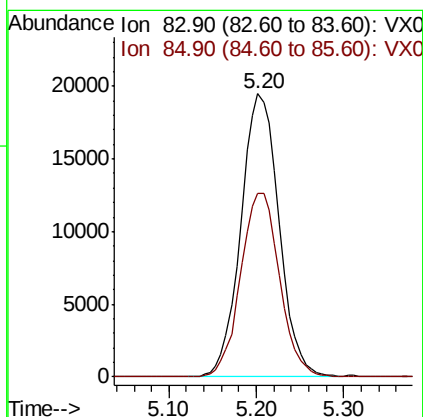
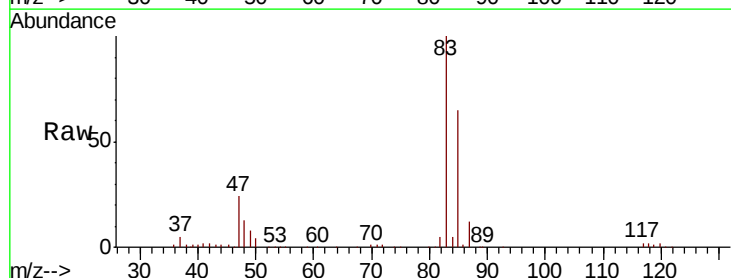
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

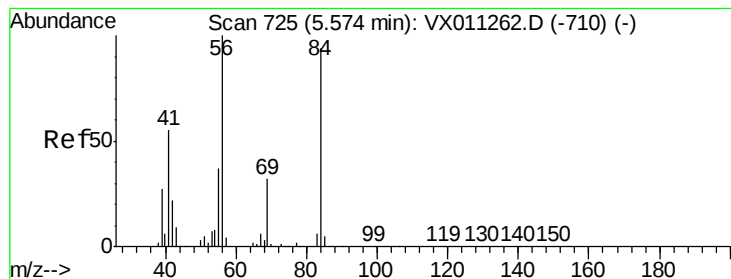
Tgt Ion: 42 Resp: 73777
Ion Ratio Lower Upper
42 100
72 49.9 39.9 59.9
71 44.3 36.9 55.3



#30
Chloroform
Concen: 20.697 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 83 Resp: 59147
Ion Ratio Lower Upper
83 100
85 64.7 53.4 80.0





#31

Cyclohexane

Concen: 19.244 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

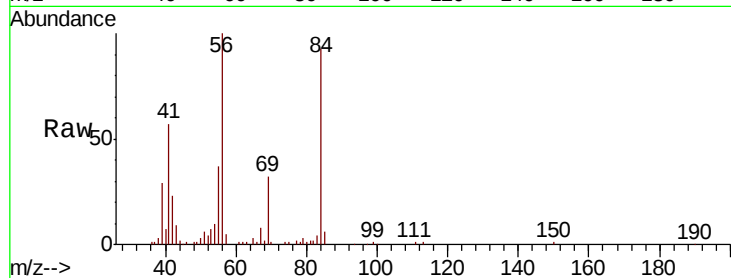
Tgt Ion: 56 Resp: 41747

Ion Ratio Lower Upper

56 100

69 32.3 25.5 38.3

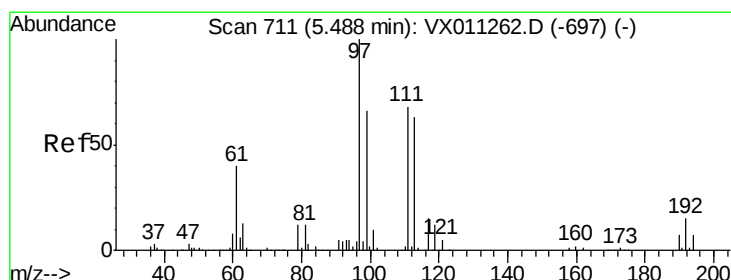
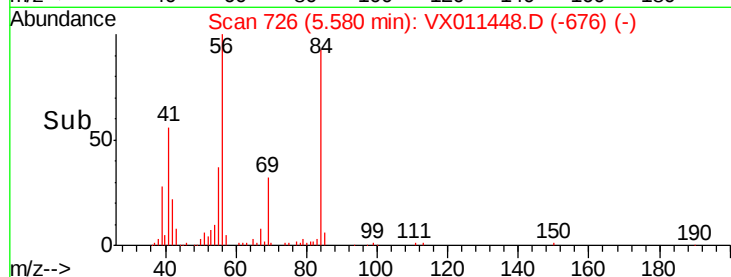
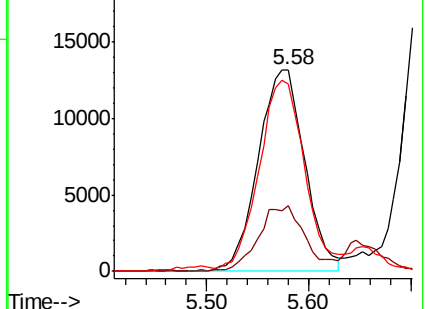
84 90.9 75.0 112.4



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: 20.809 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

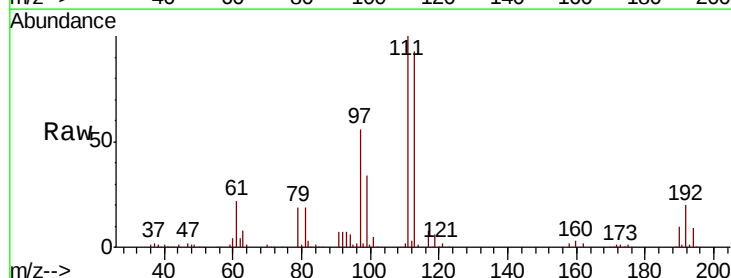
Tgt Ion: 97 Resp: 50943

Ion Ratio Lower Upper

97 100

99 63.5 51.6 77.4

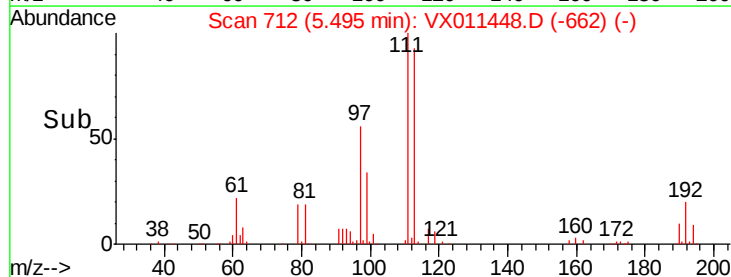
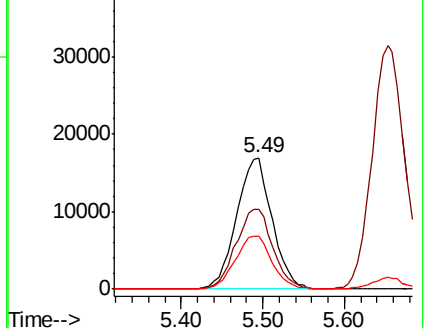
61 42.2 32.3 48.5

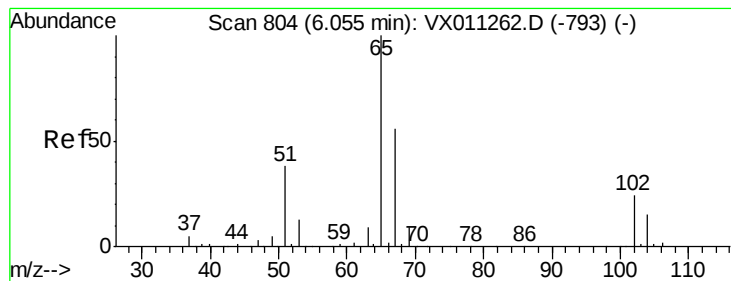


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.814 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

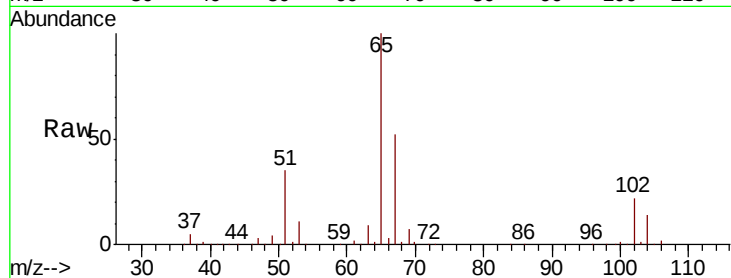
VX0811WBS02

Tgt Ion: 65 Resp: 95703

Ion Ratio Lower Upper

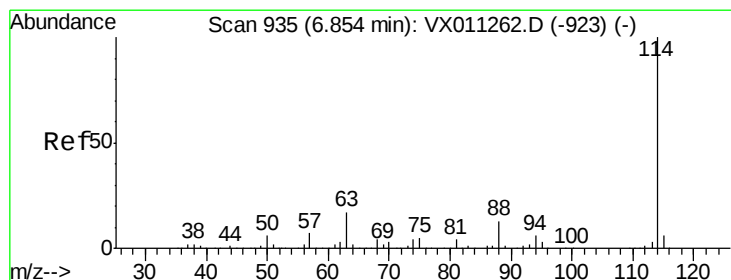
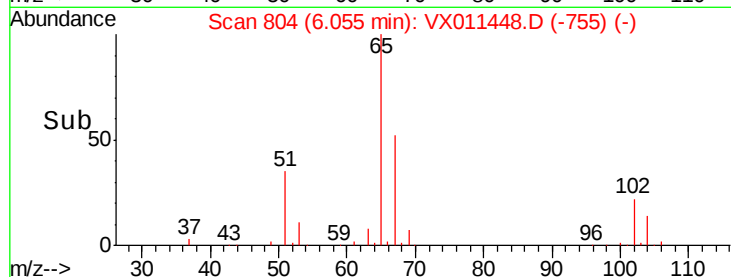
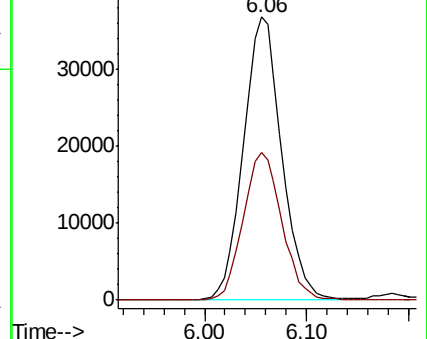
65 100

67 52.9 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: VX011448.D

Acq: 11 Aug 2019 22:51

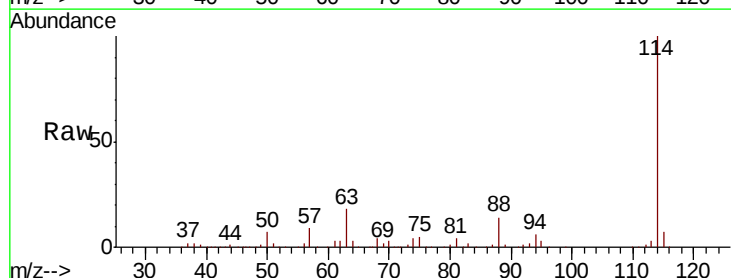
Tgt Ion: 114 Resp: 250377

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.0

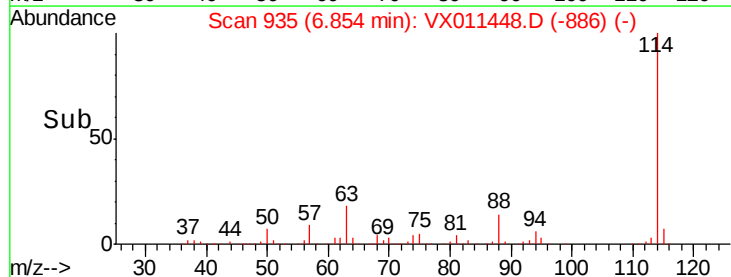
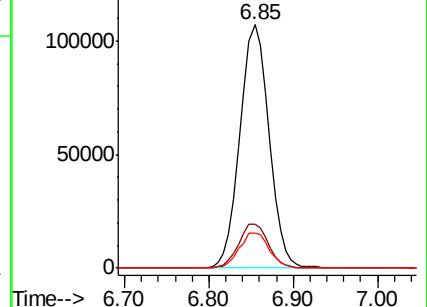
88 14.4 0.0 26.4

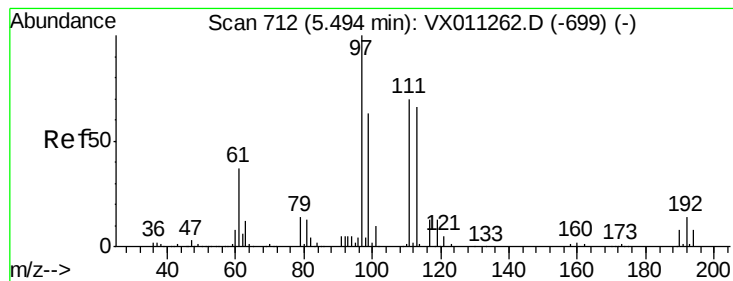


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.705 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

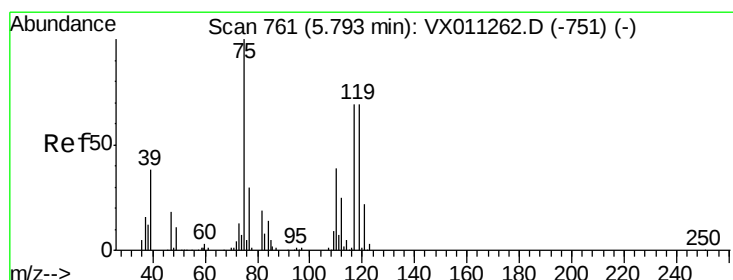
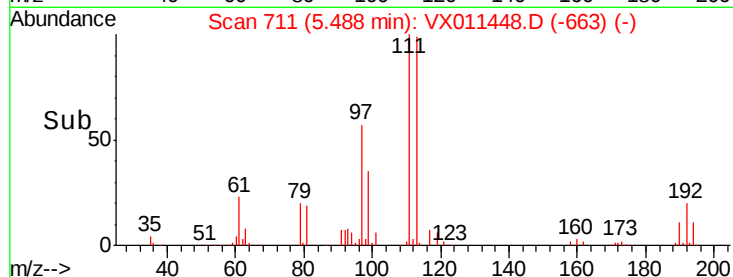
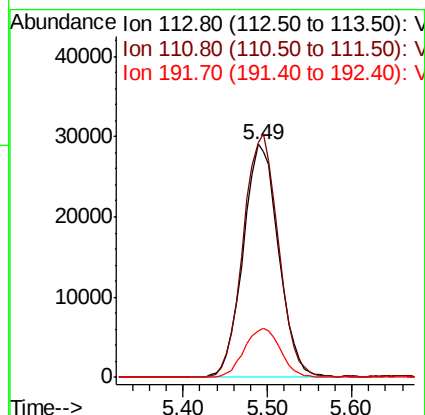
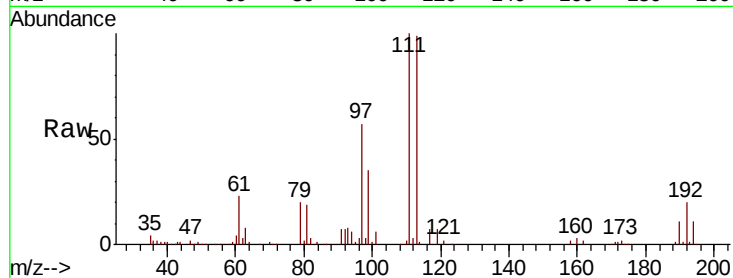
Tgt Ion:113 Resp: 82885

Ion Ratio Lower Upper

113 100

111 103.9 81.9 122.9

192 21.5 17.8 26.8



#36

1,1-Dichloropropene

Concen: 19.141 ug/l

RT: 5.79 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

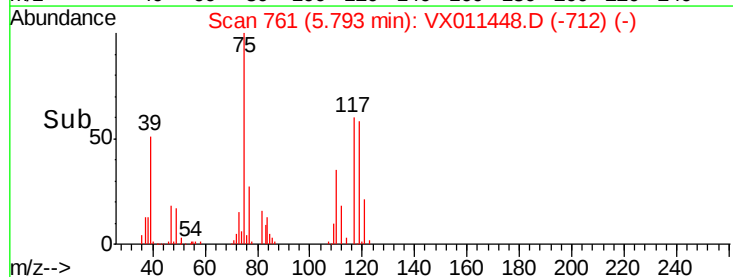
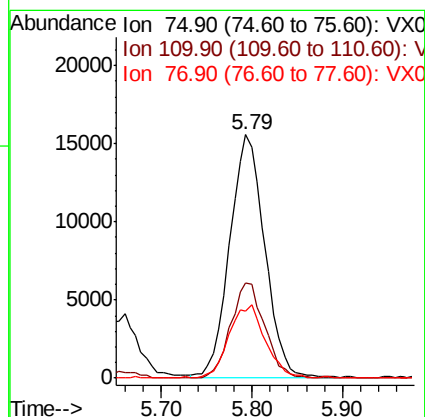
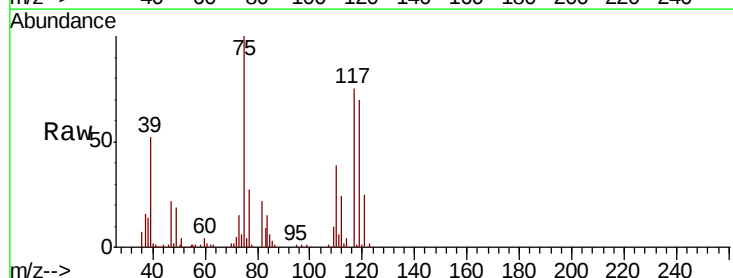
Tgt Ion: 75 Resp: 41843

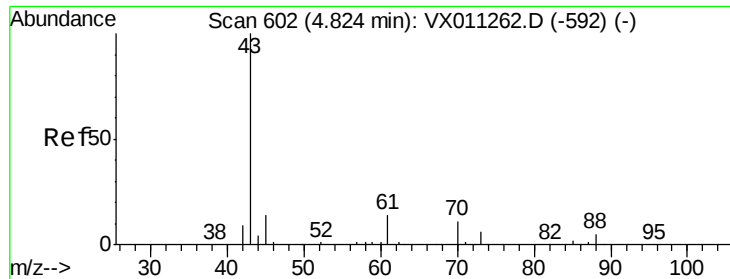
Ion Ratio Lower Upper

75 100

110 37.9 20.0 59.9

77 31.2 24.8 37.2

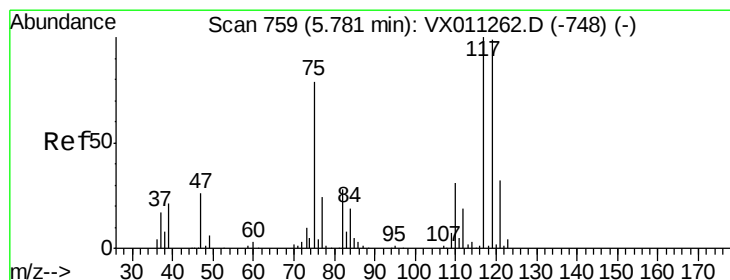
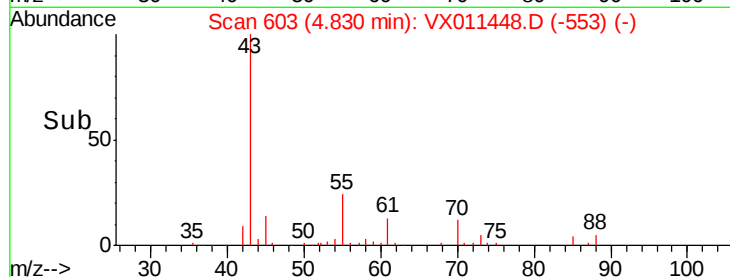
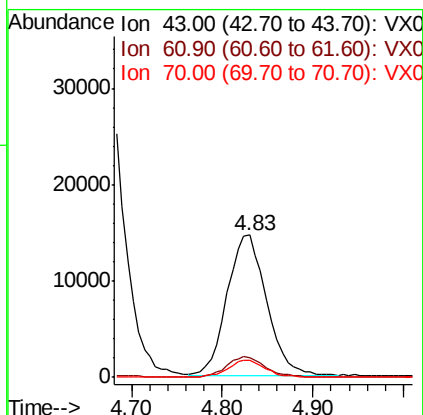
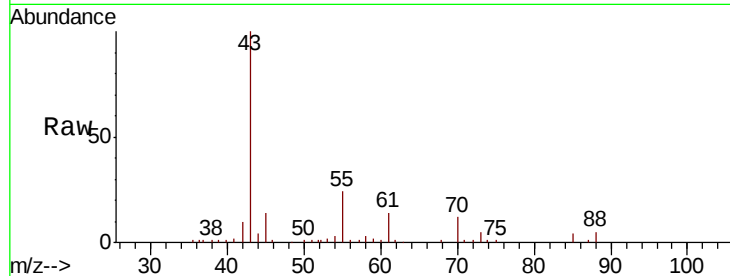




#37
Ethyl Acetate
Concen: 20.177 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

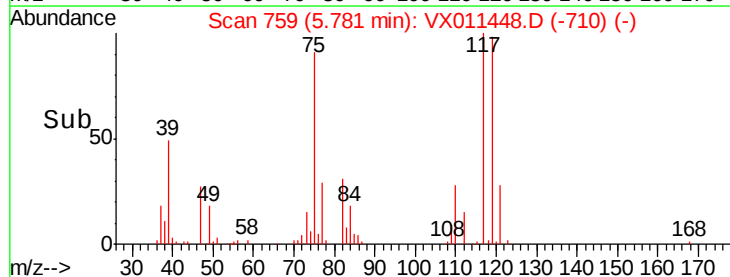
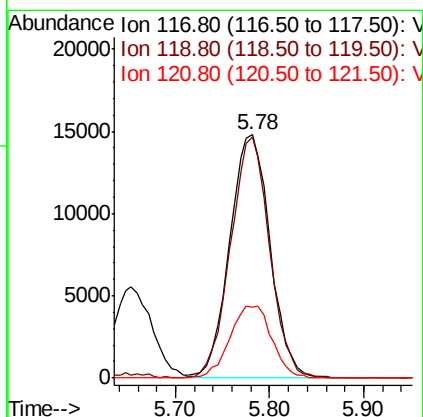
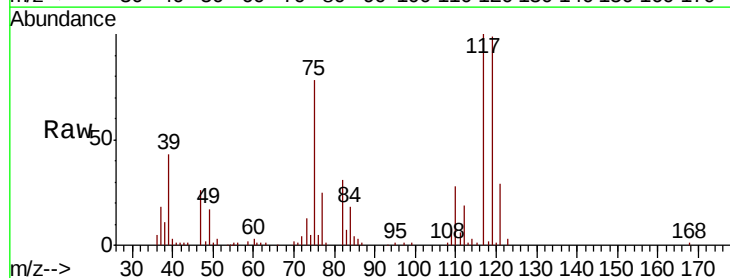
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

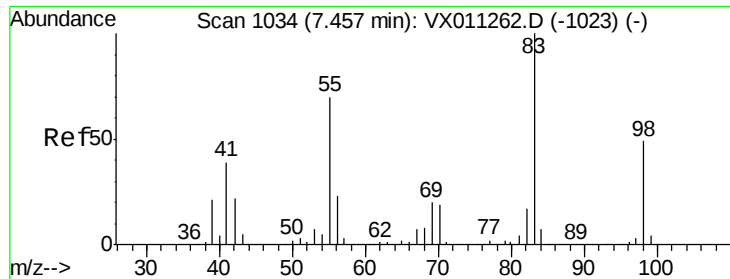
Tgt Ion: 43 Resp: 44242
Ion Ratio Lower Upper
43 100
61 14.5 12.6 18.8
70 11.6 9.1 13.7



#38
Carbon Tetrachloride
Concen: 20.119 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 117 Resp: 44247
Ion Ratio Lower Upper
117 100
119 98.5 79.0 118.4
121 29.1 25.9 38.9

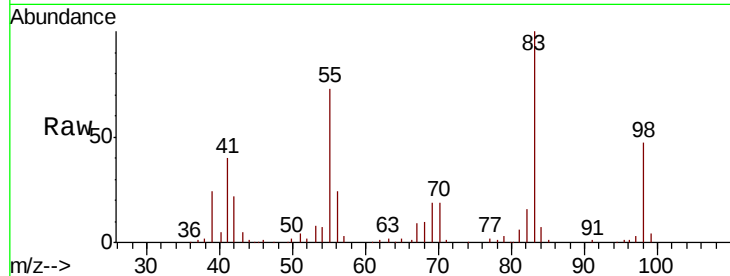




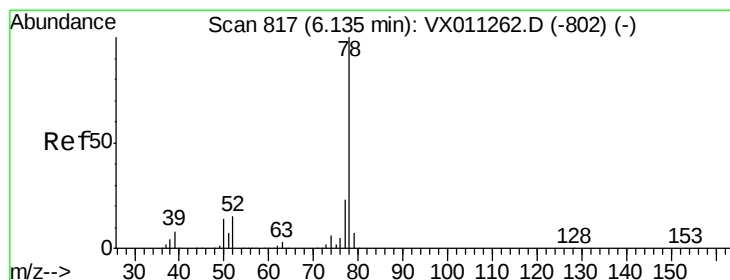
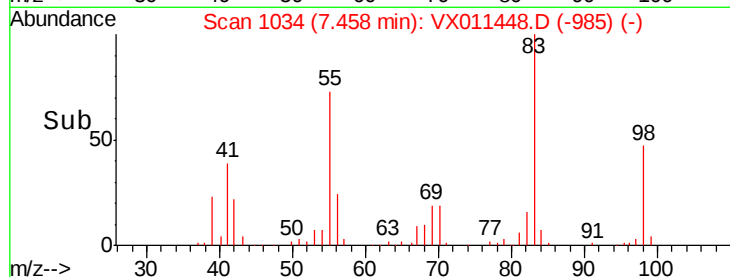
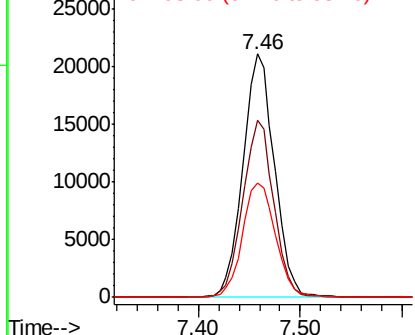
#39
Methylcyclohexane
Concen: 17.479 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Instrument :
MSVOA_X
ClientSampled :
VX0811WBS02

Tgt Ion: 83 Resp: 45290
Ion Ratio Lower Upper
83 100
55 73.0 56.1 84.1
98 47.1 39.0 58.4

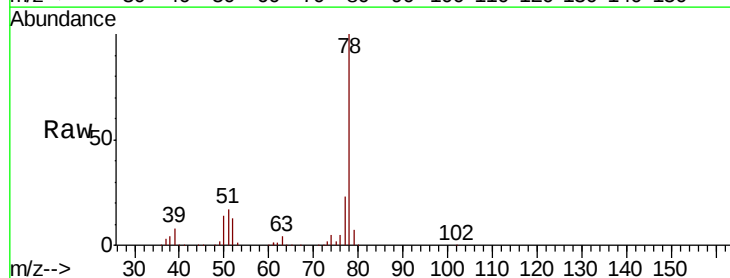


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

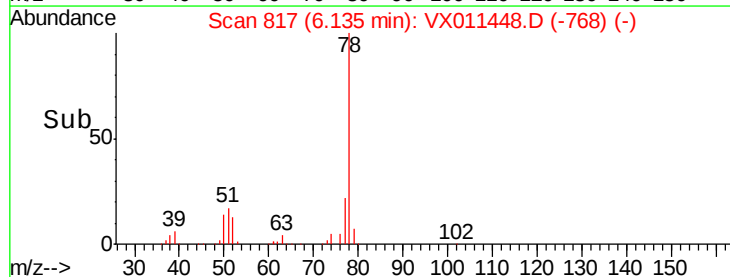
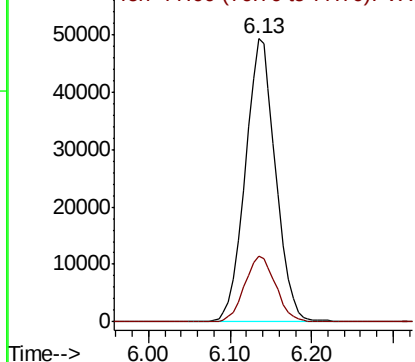


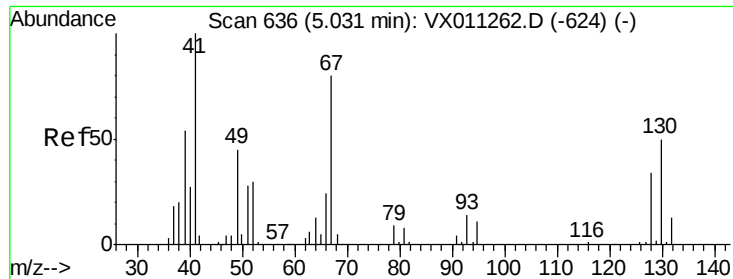
#40
Benzene
Concen: 19.484 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 78 Resp: 127101
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2



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





#41

Methacrylonitrile

Concen: 20.229 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampled :

VX0811WBS02

Tgt Ion: 41 Resp: 24225

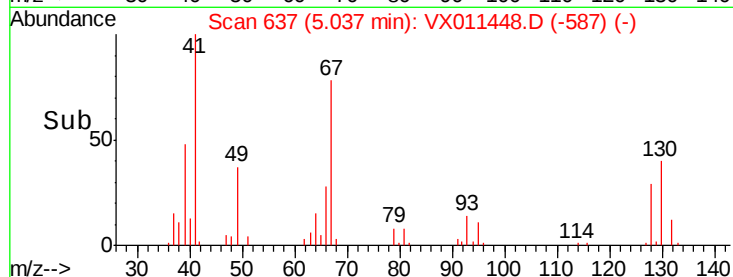
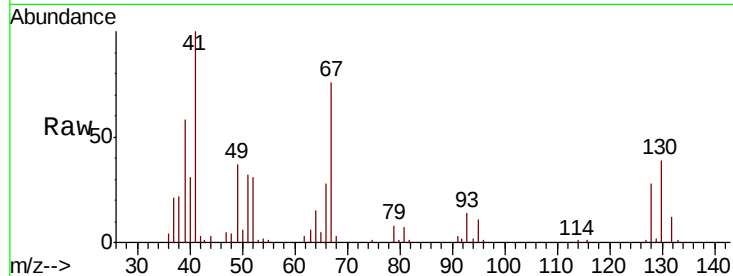
Ion Ratio Lower Upper

41 100

39 55.7 43.0 64.6

67 77.9 65.1 97.7

52 33.5 24.8 37.2

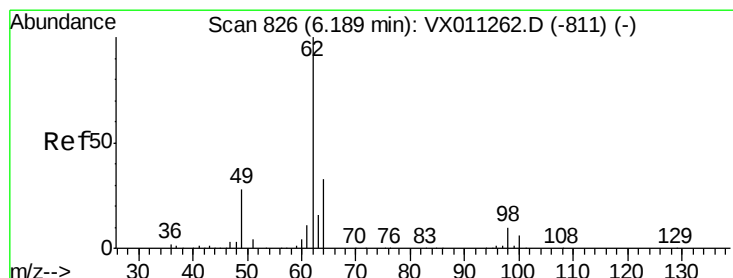
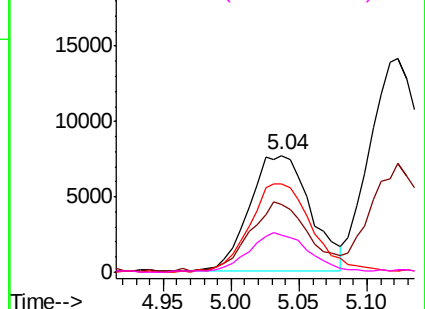


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.829 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011448.D

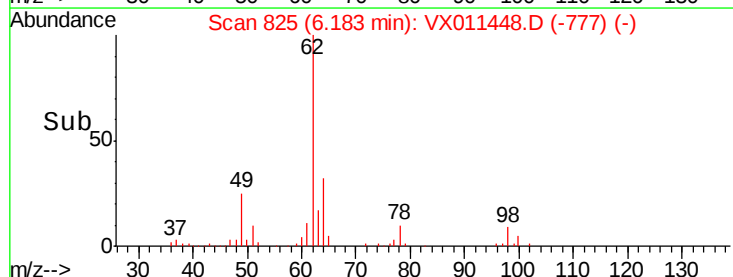
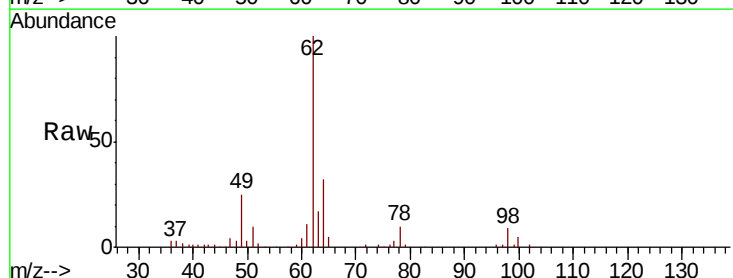
Acq: 11 Aug 2019 22:51

Tgt Ion: 62 Resp: 48151

Ion Ratio Lower Upper

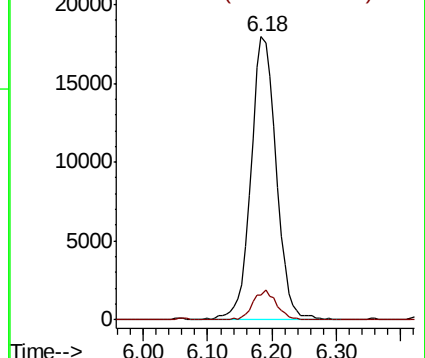
62 100

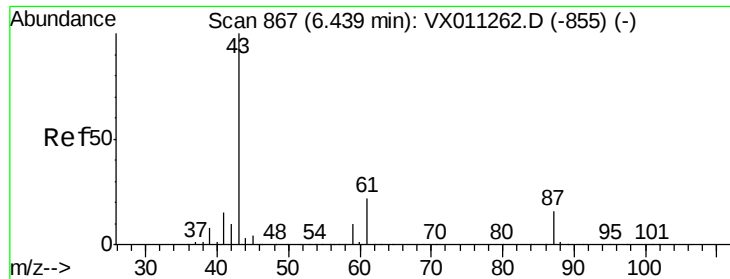
98 9.7 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.889 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

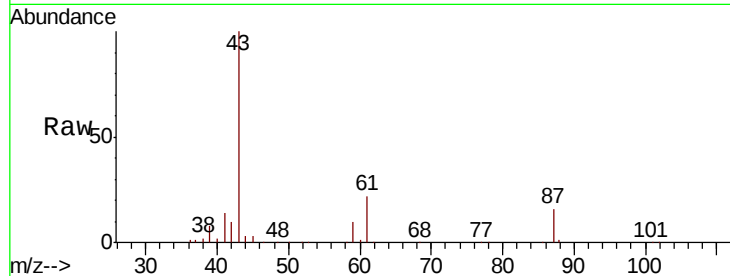
Tgt Ion: 43 Resp: 69725

Ion Ratio Lower Upper

43 100

61 21.0 16.5 24.7

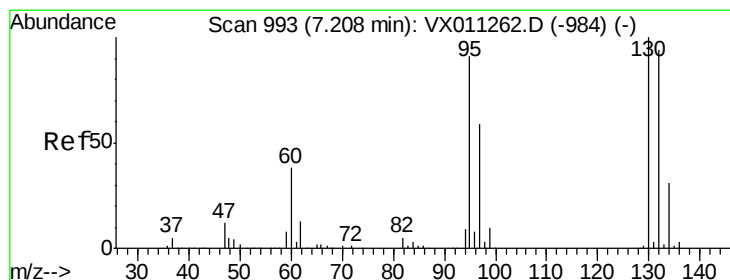
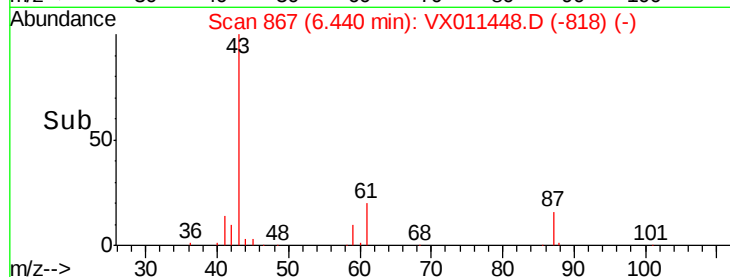
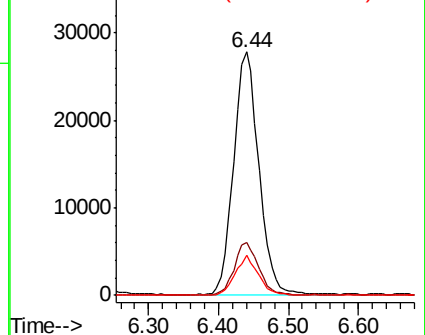
87 14.9 12.1 18.1



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: 18.365 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011448.D

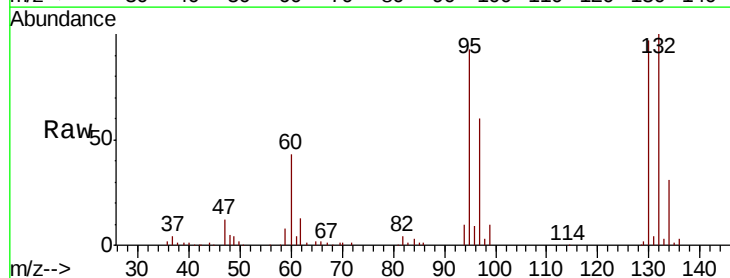
Acq: 11 Aug 2019 22:51

Tgt Ion: 130 Resp: 36262

Ion Ratio Lower Upper

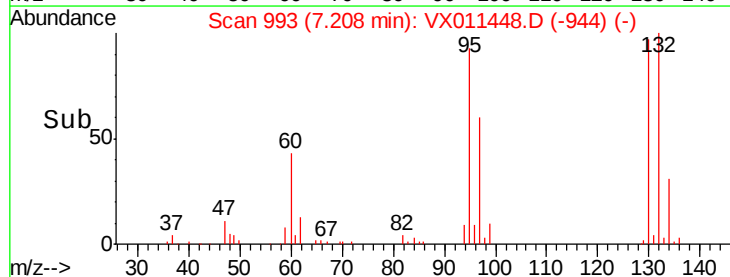
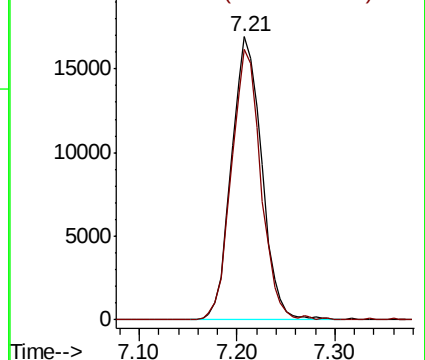
130 100

95 95.5 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: 19.217 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

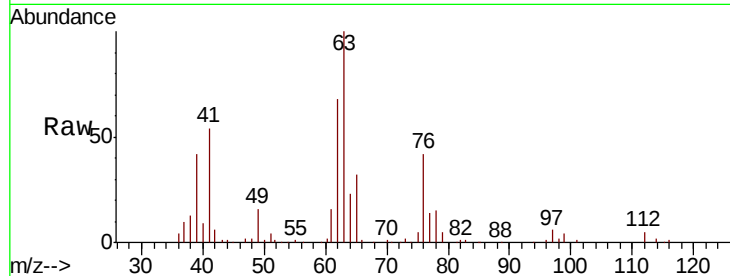
VX0811WBS02

Tgt Ion: 63 Resp: 32466

Ion Ratio Lower Upper

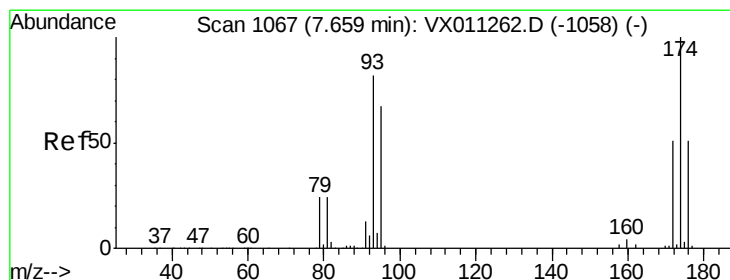
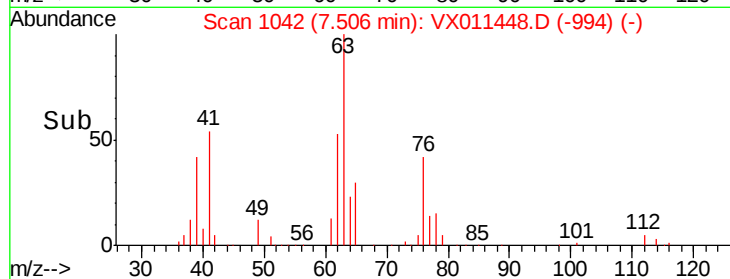
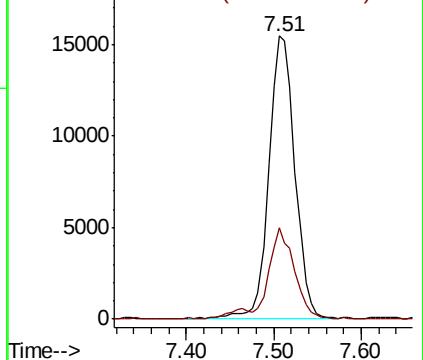
63 100

65 32.1 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: 19.771 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

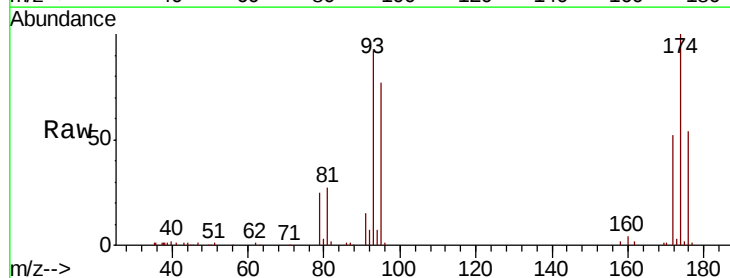
Tgt Ion: 93 Resp: 24384

Ion Ratio Lower Upper

93 100

95 83.4 66.4 99.6

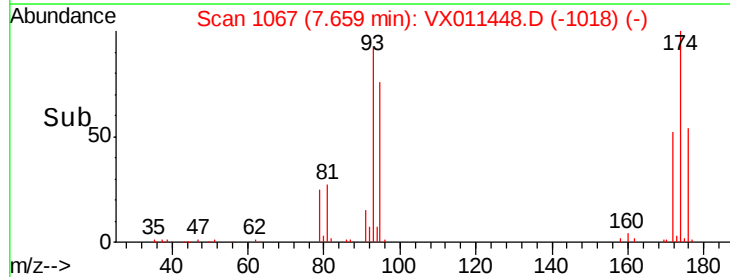
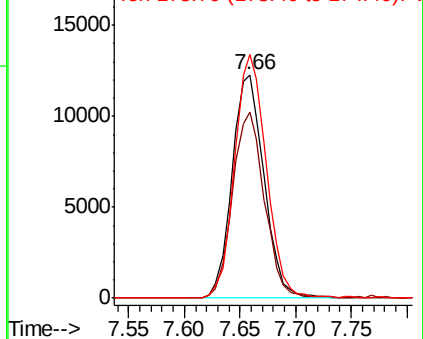
174 108.4 93.4 140.2

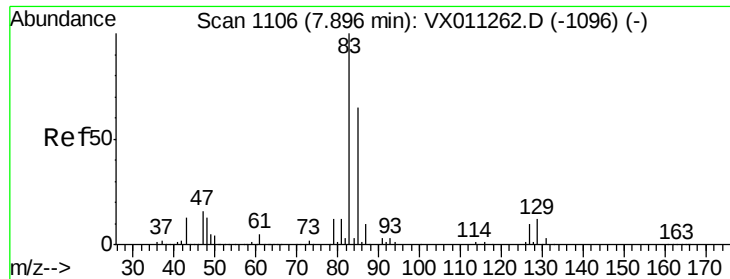


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.256 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

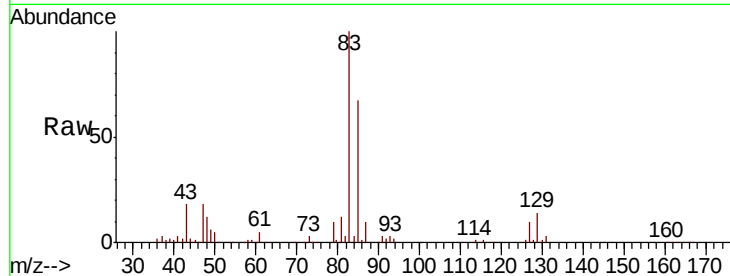
Tgt Ion: 83 Resp: 42295

Ion Ratio Lower Upper

83 100

85 66.9 52.2 78.2

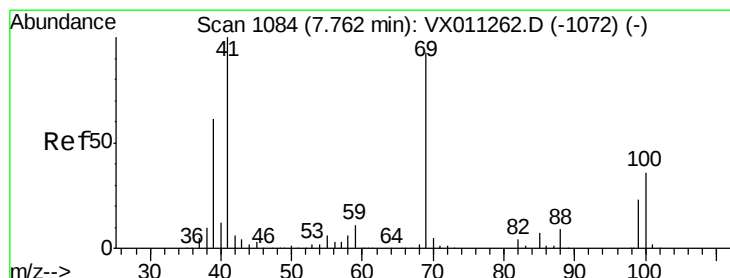
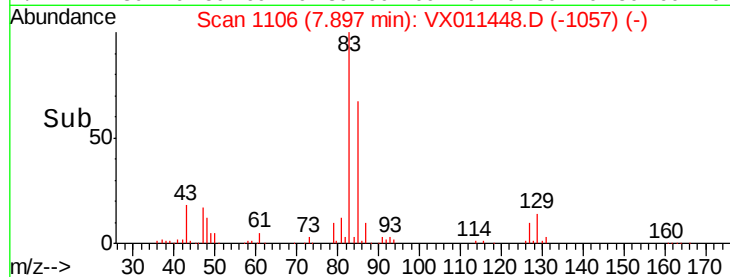
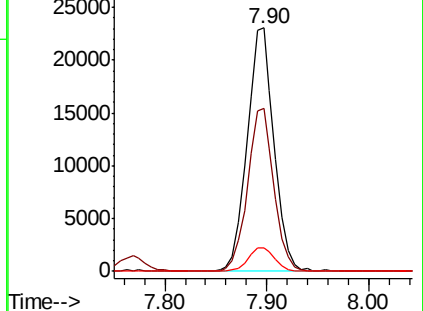
127 9.5 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.516 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

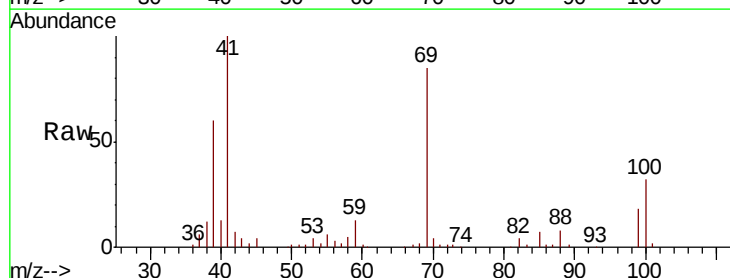
Tgt Ion: 41 Resp: 35498

Ion Ratio Lower Upper

41 100

69 85.4 74.5 111.7

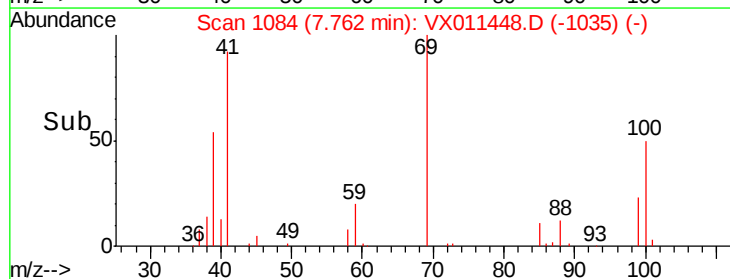
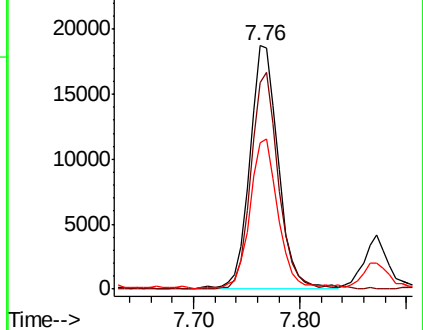
39 58.6 48.6 72.8

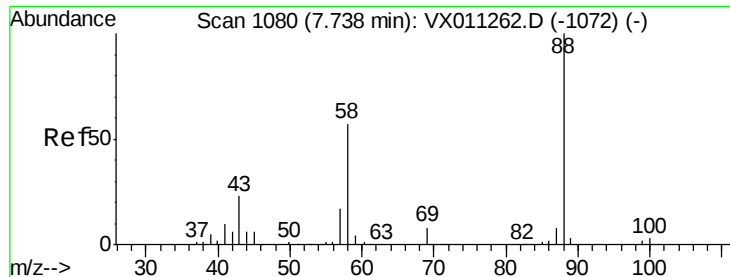


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

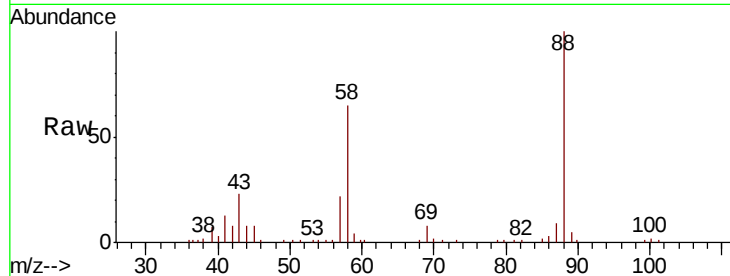




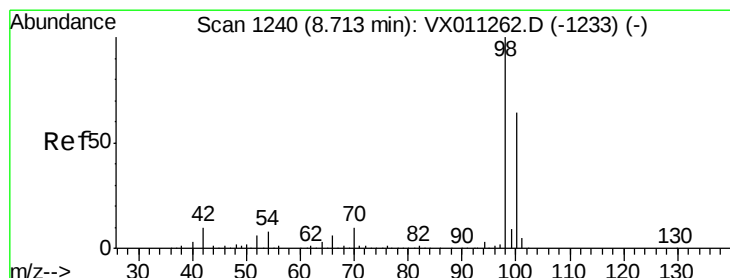
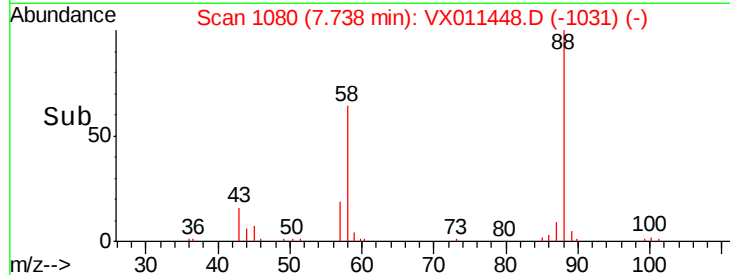
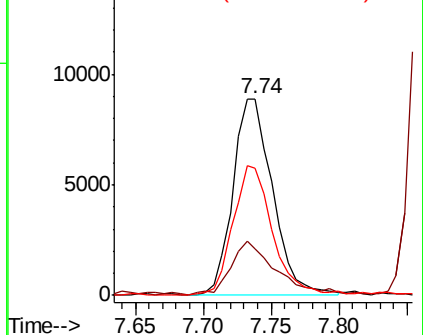
#49
1,4-Dioxane
Concen: 379.093 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

Tgt Ion: 88 Resp: 18132
Ion Ratio Lower Upper
88 100
43 31.3 22.2 33.2
58 66.0 47.8 71.8

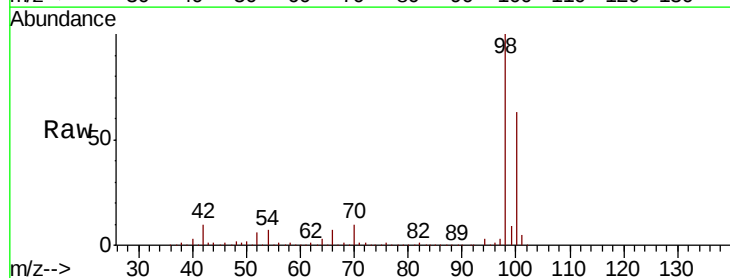


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

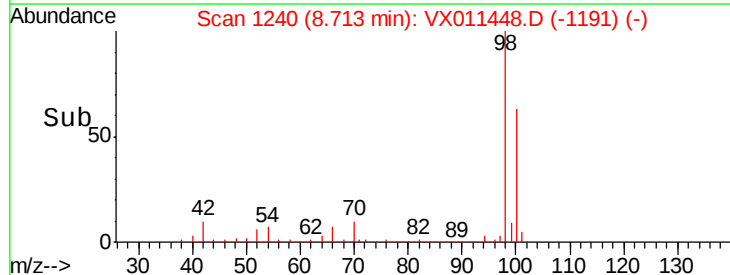
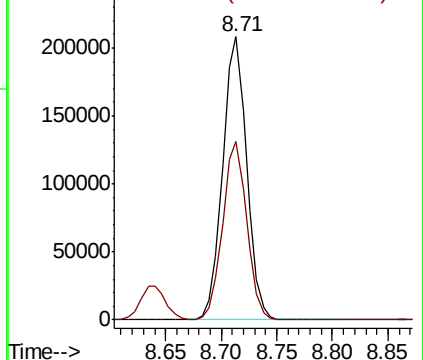


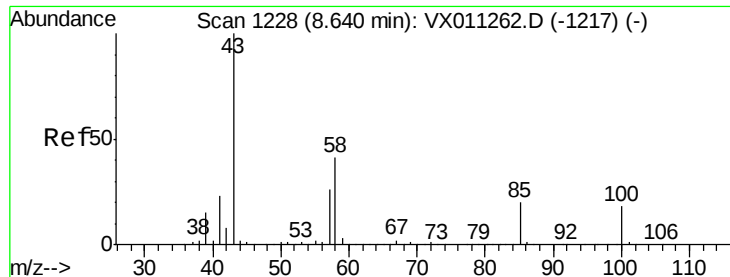
#50
Toluene-d8
Concen: 50.547 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 98 Resp: 311894
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 105.524 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

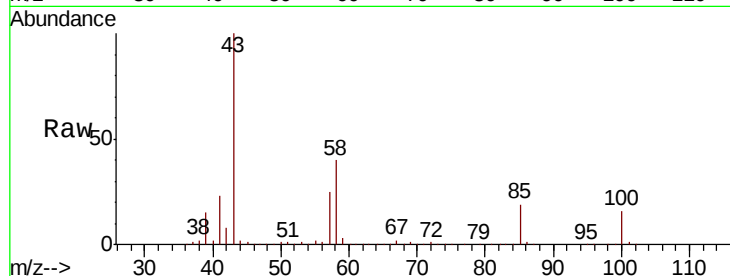
VX0811WBS02

Tgt Ion: 43 Resp: 238741

Ion Ratio Lower Upper

43 100

58 39.8 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

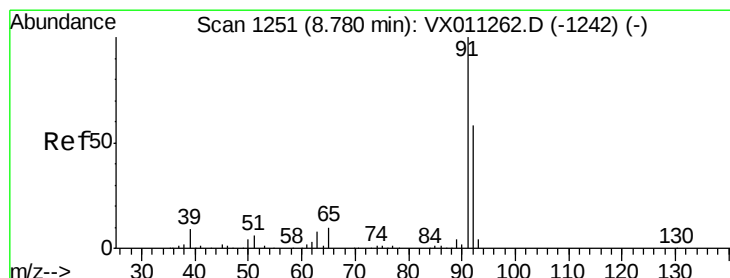
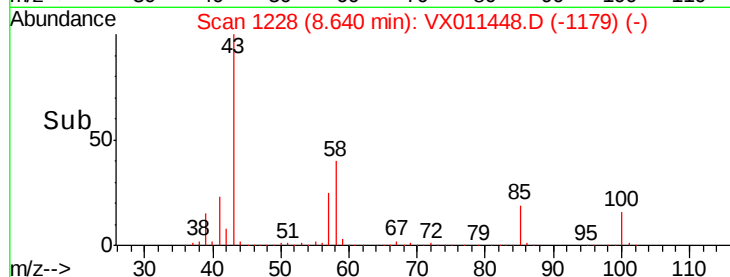
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.398 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011448.D

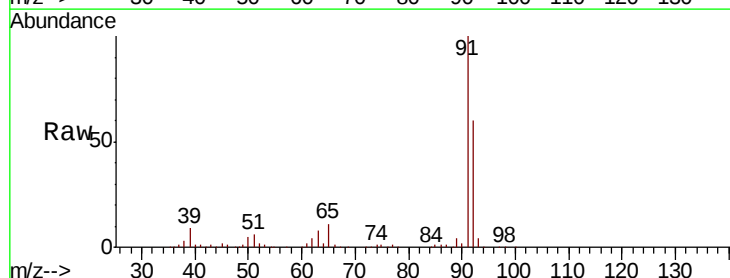
Acq: 11 Aug 2019 22:51

Tgt Ion: 92 Resp: 83662

Ion Ratio Lower Upper

92 100

91 175.4 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

100000

80000

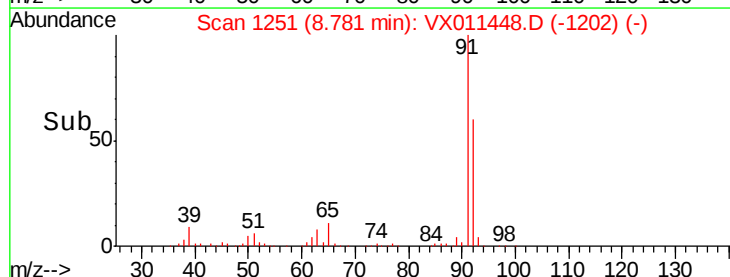
60000

40000

20000

0

Time-->

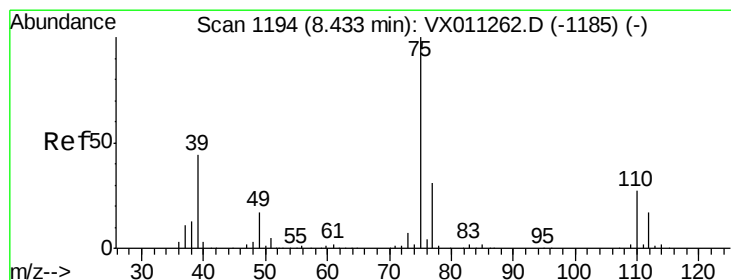
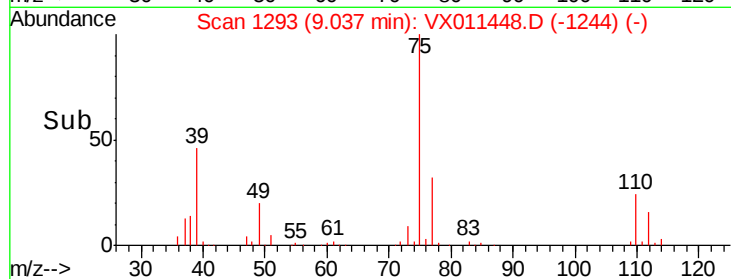
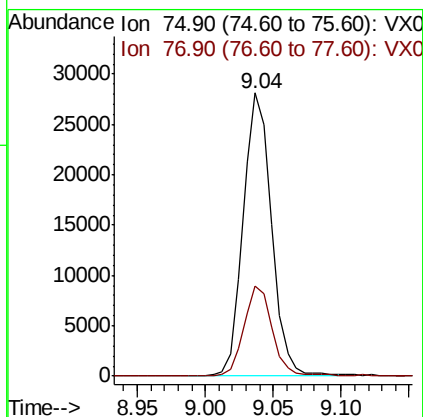
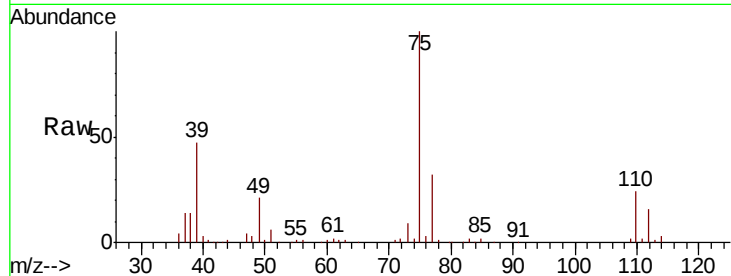




#53
t-1,3-Dichloropropene
Concen: 18.743 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

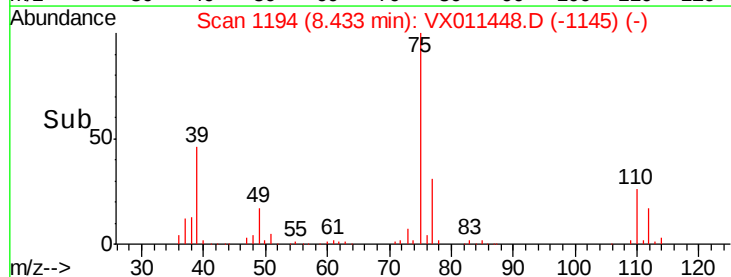
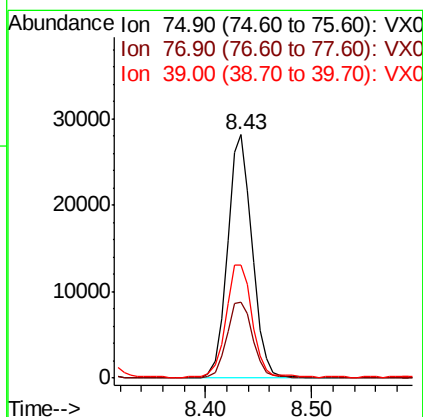
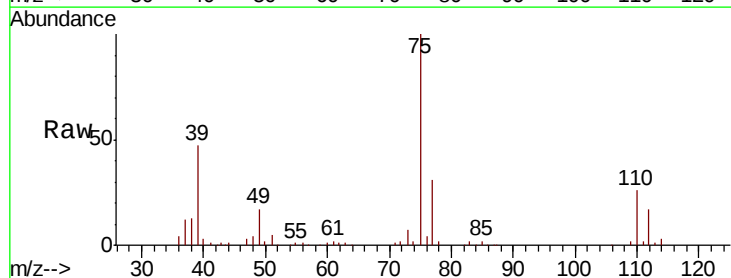
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

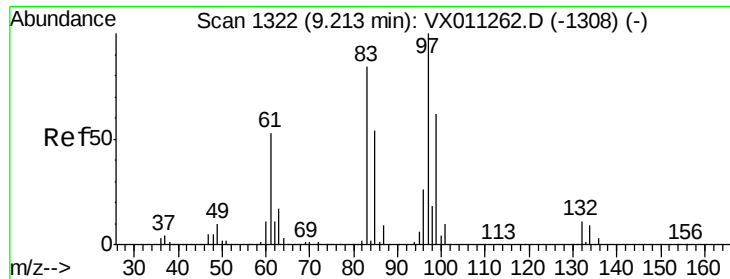
Tgt Ion: 75 Resp: 41003
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 75 Resp: 45551
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 46.2 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 19.945 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

Tgt Ion: 97 Resp: 35369

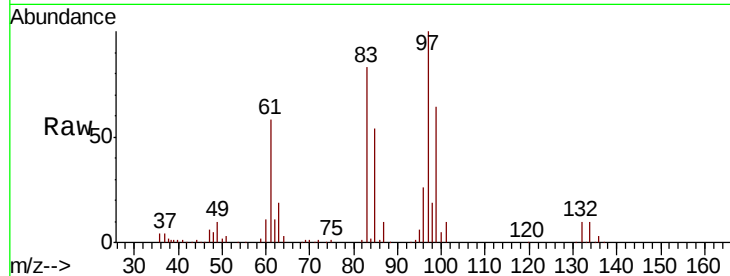
Ion Ratio Lower Upper

97 100

83 82.9 67.6 101.4

85 54.1 43.4 65.0

99 63.3 49.6 74.4

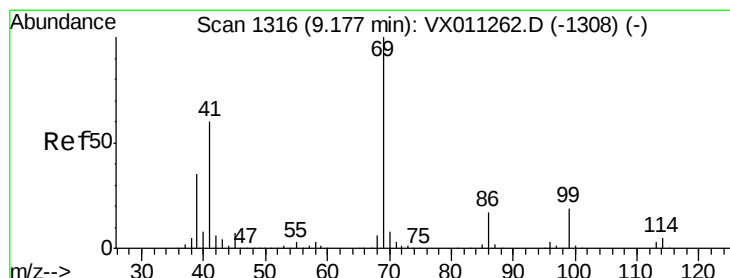
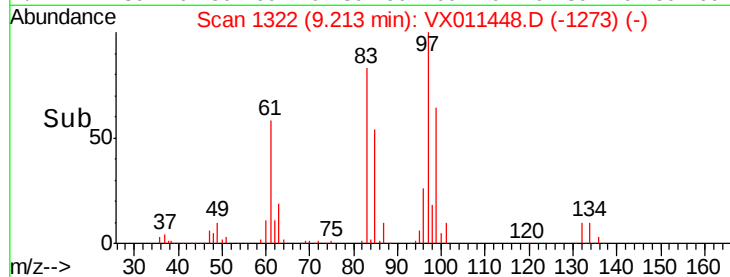
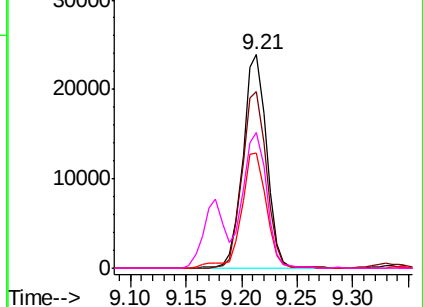


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 19.745 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

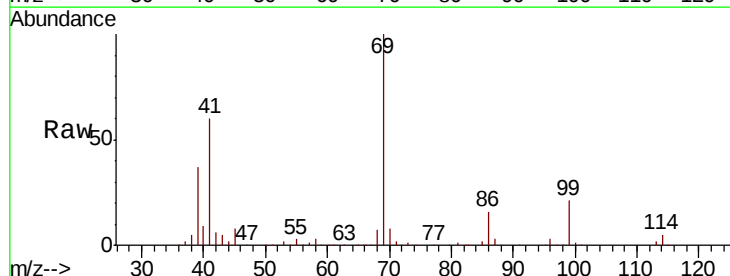
Tgt Ion: 69 Resp: 49897

Ion Ratio Lower Upper

69 100

41 63.7 48.6 73.0

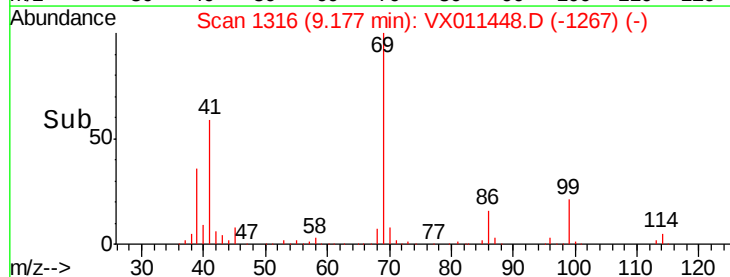
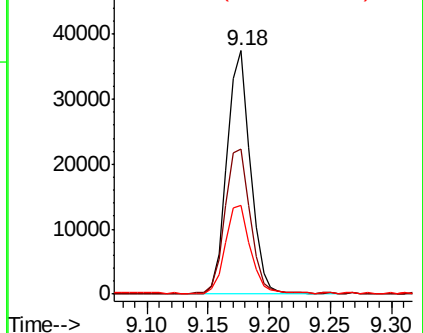
39 38.4 29.4 44.2

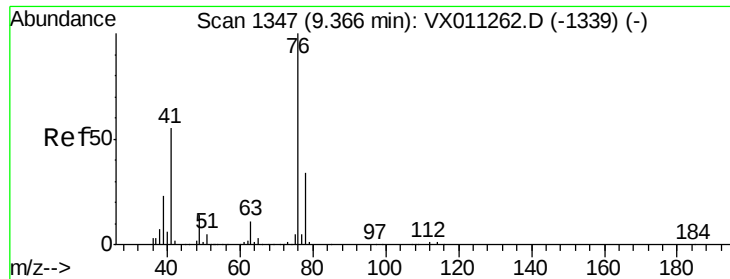


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

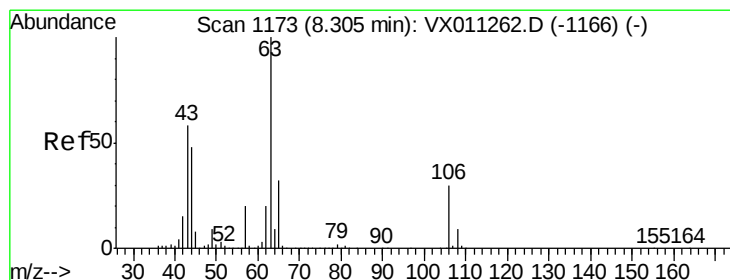
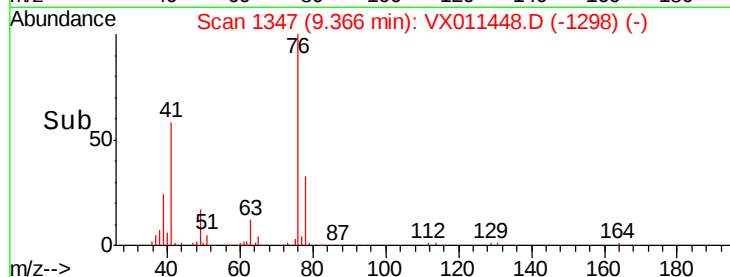
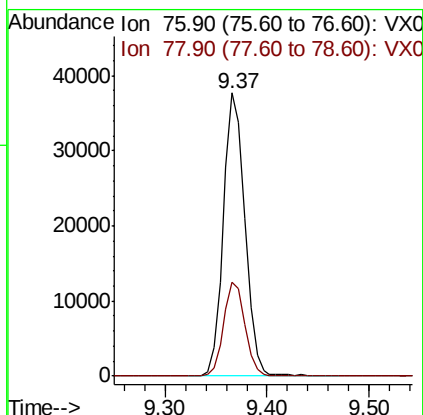
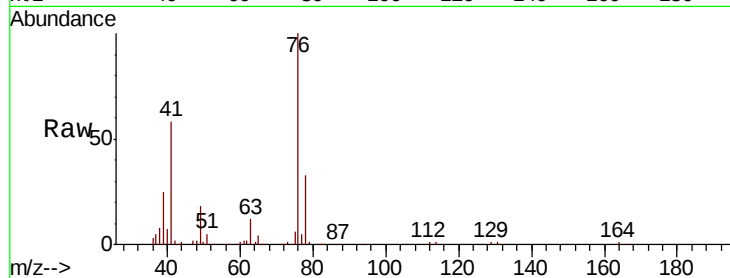




#57
 1,3-Dichloropropane
 Concen: 19.742 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

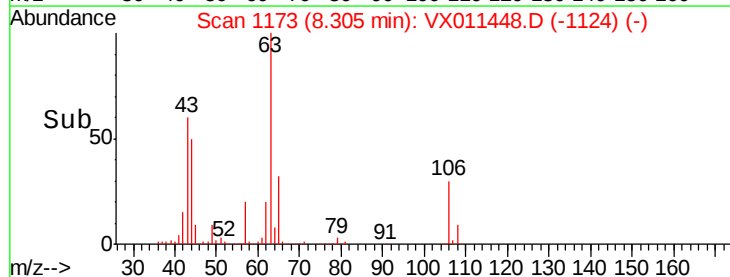
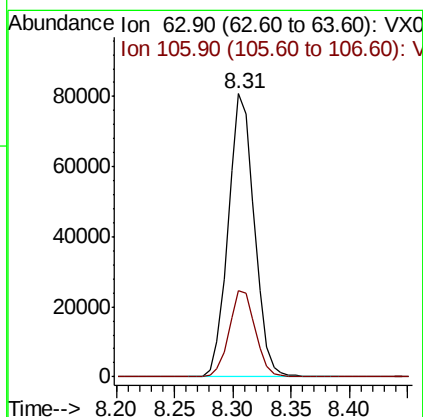
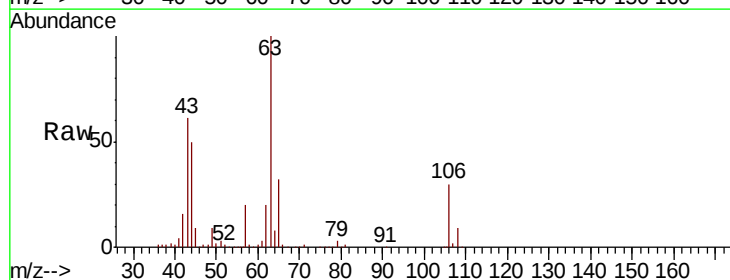
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS02

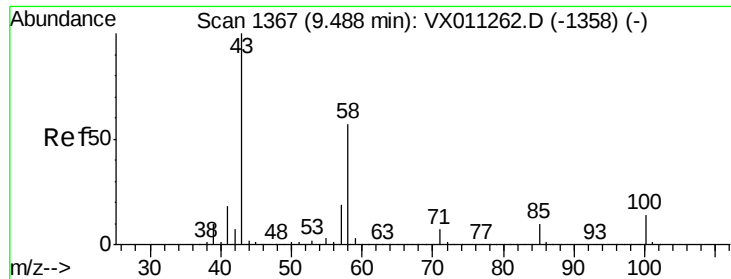
Tgt Ion: 76 Resp: 55365
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.211 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

Tgt Ion: 63 Resp: 125758
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.4 36.6

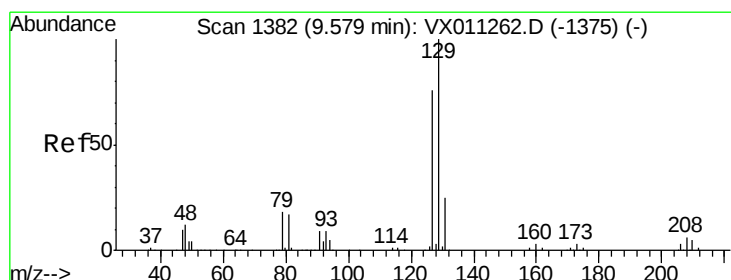
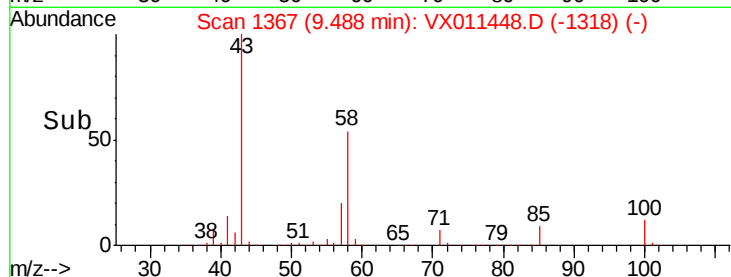
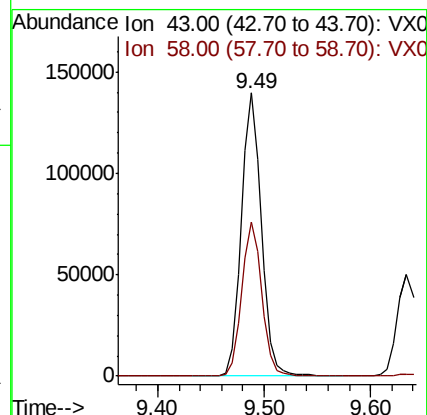
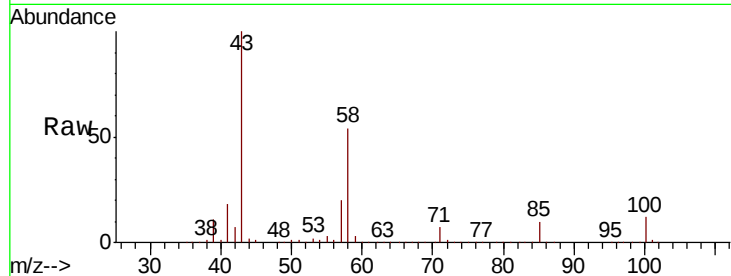




#59
2-Hexanone
Concen: 105.558 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

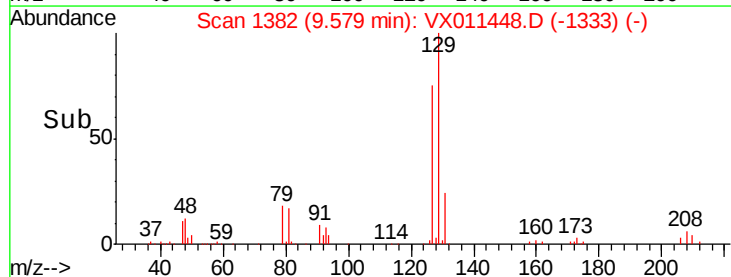
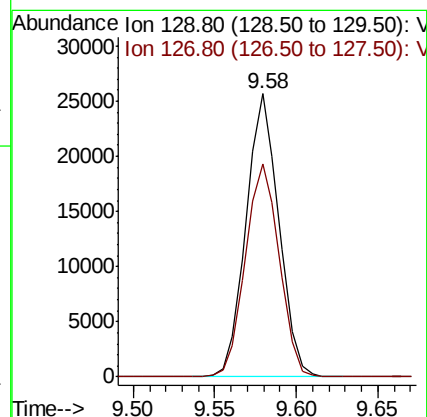
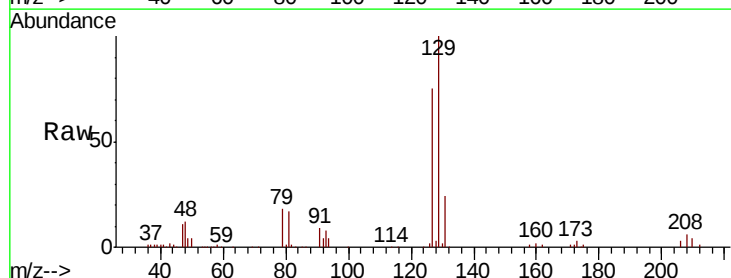
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

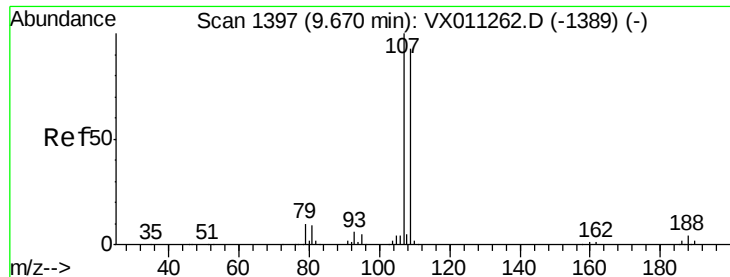
Tgt Ion: 43 Resp: 184980
Ion Ratio Lower Upper
43 100
58 54.3 28.2 84.6



#60
Dibromochloromethane
Concen: 19.814 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 129 Resp: 35973
Ion Ratio Lower Upper
129 100
127 77.6 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.376 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

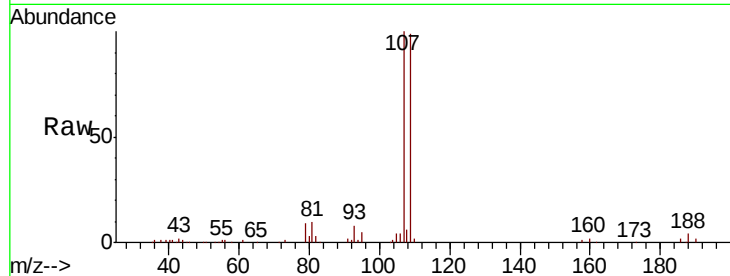
VX0811WBS02

Tgt Ion: 107 Resp: 37122

Ion Ratio Lower Upper

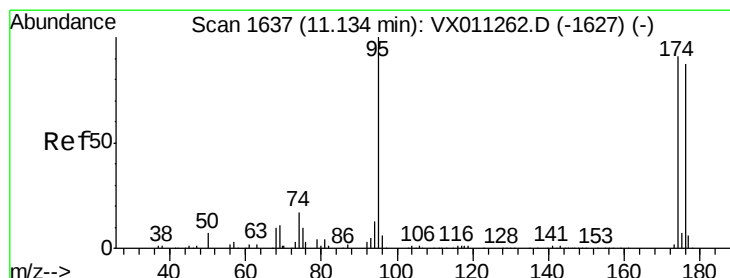
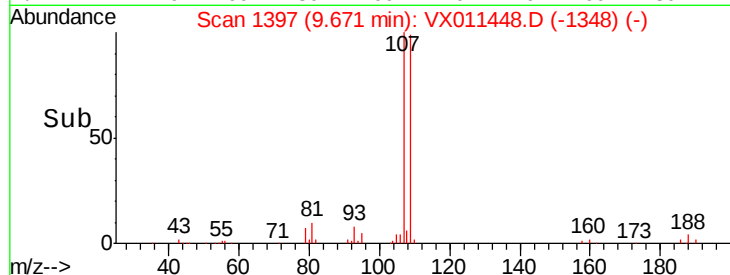
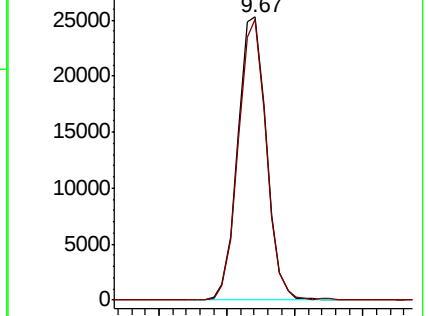
107 100

109 96.5 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: 51.289 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

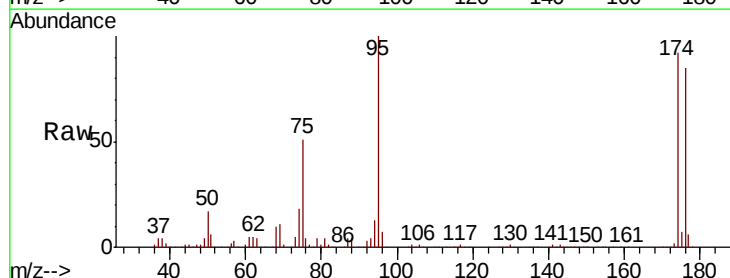
Tgt Ion: 95 Resp: 112989

Ion Ratio Lower Upper

95 100

174 93.0 0.0 191.2

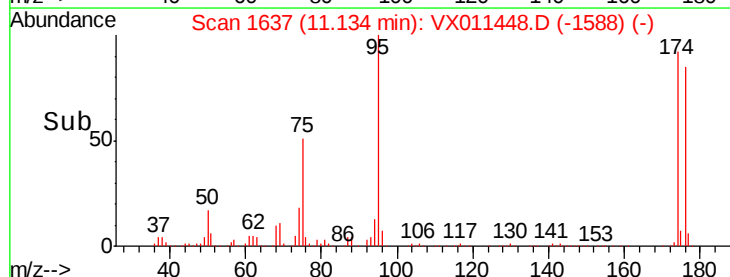
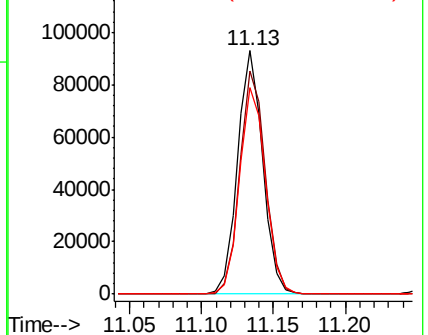
176 87.3 0.0 184.8

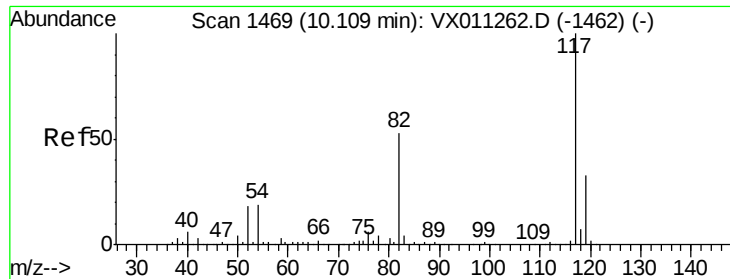


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

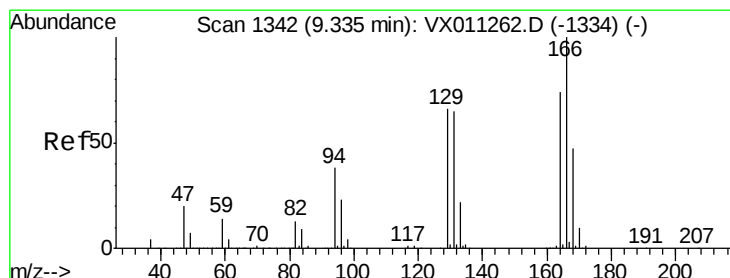
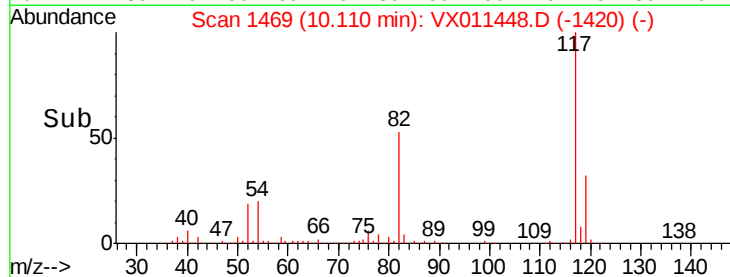
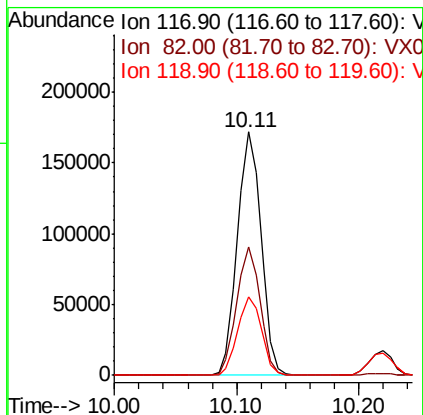
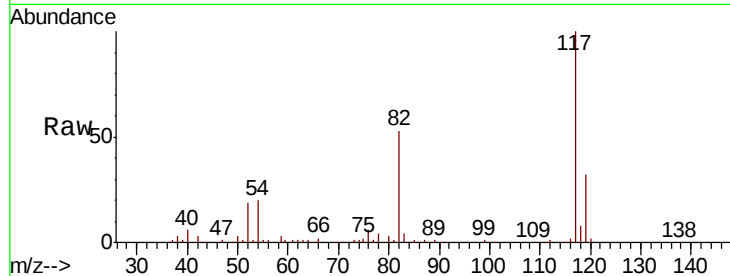




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

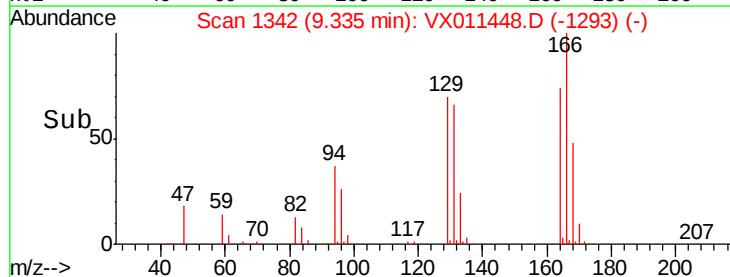
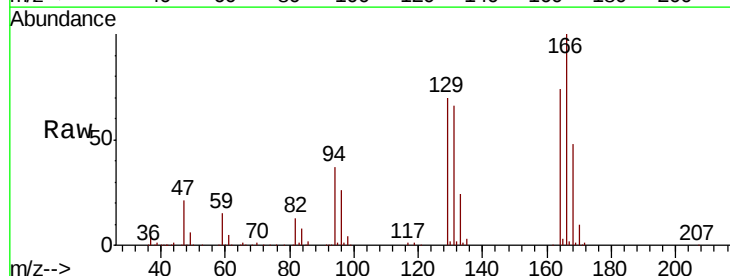
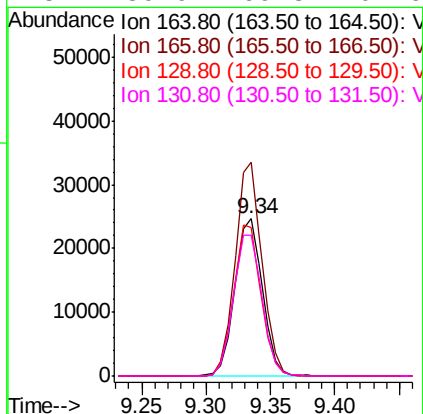
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

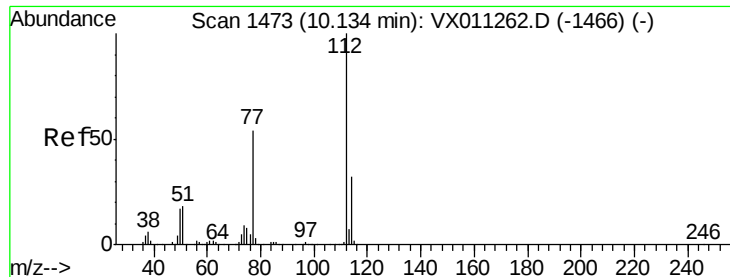
Tgt Ion:117 Resp: 230788
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.2
119 32.0 26.6 39.8



#64
Tetrachloroethene
Concen: 18.676 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion:164 Resp: 36604
Ion Ratio Lower Upper
164 100
166 136.0 107.5 161.3
129 94.9 71.0 106.4
131 89.9 69.8 104.6

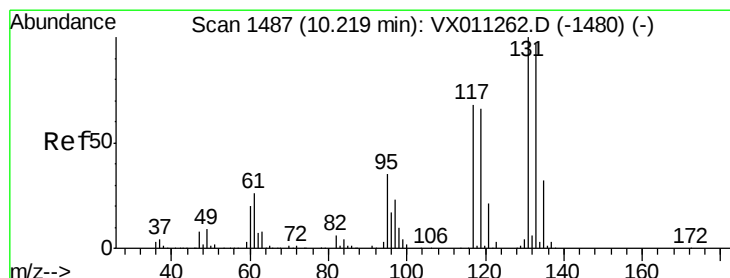
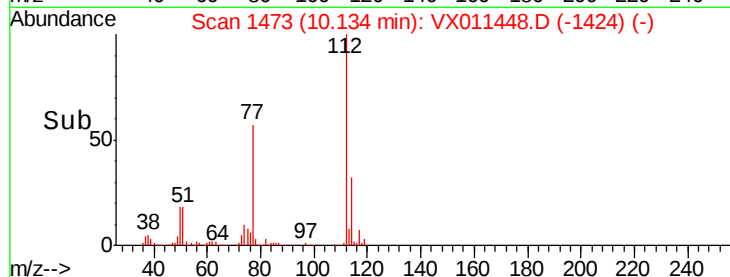
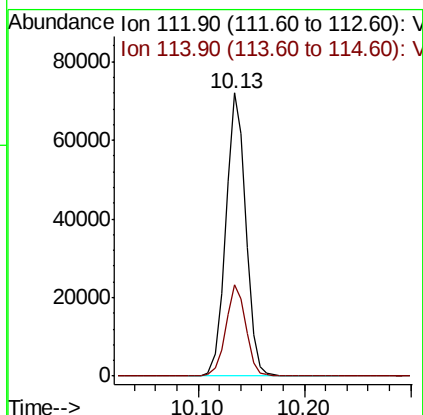
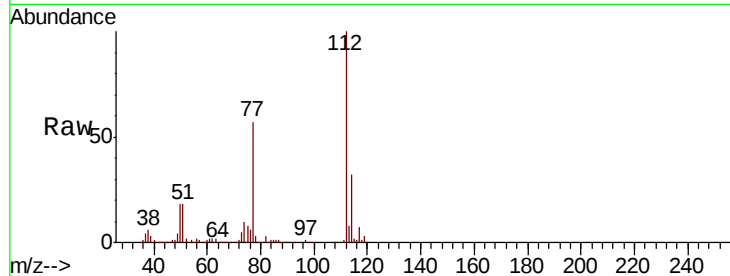




#65
Chlorobenzene
Concen: 19.119 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

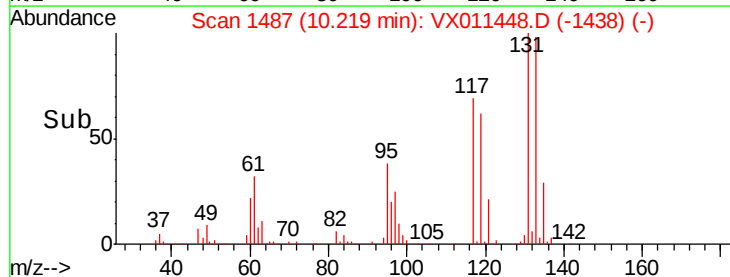
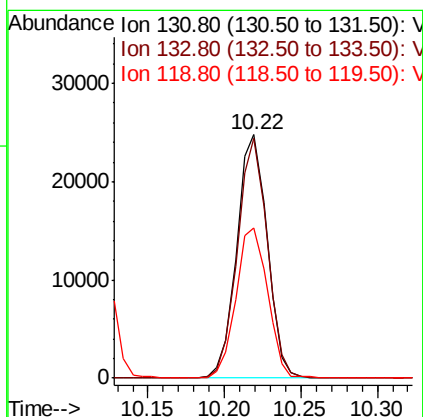
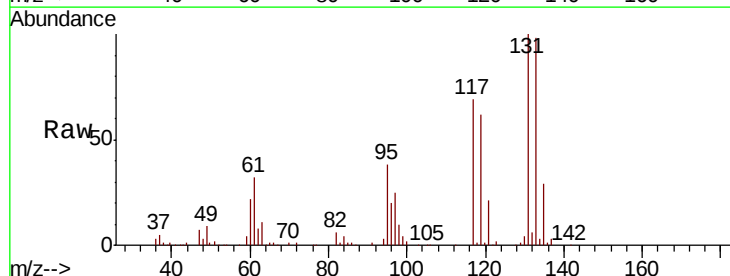
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

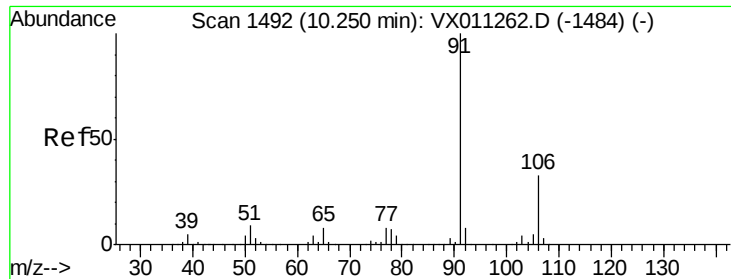
Tgt Ion:112 Resp: 94610
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.189 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion:131 Resp: 34203
Ion Ratio Lower Upper
131 100
133 96.4 47.7 143.1
119 64.3 32.8 98.3

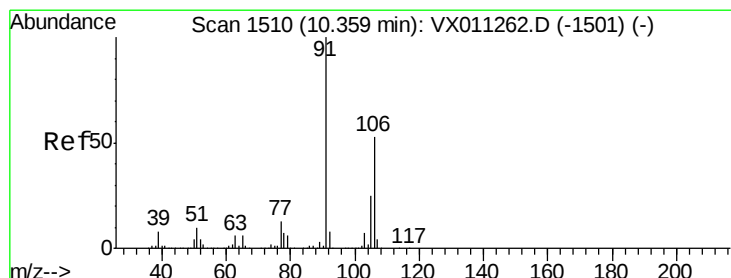
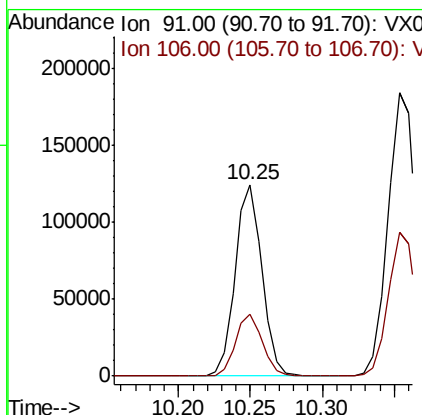
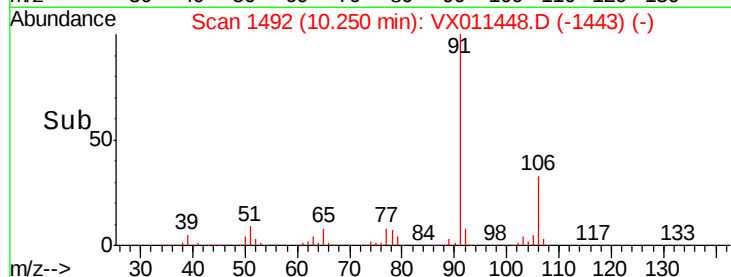
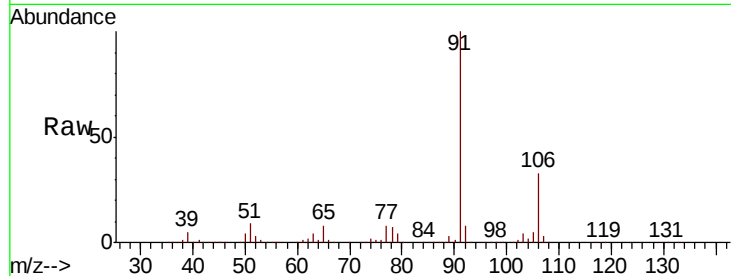




#67
Ethyl Benzene
Concen: 19.506 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

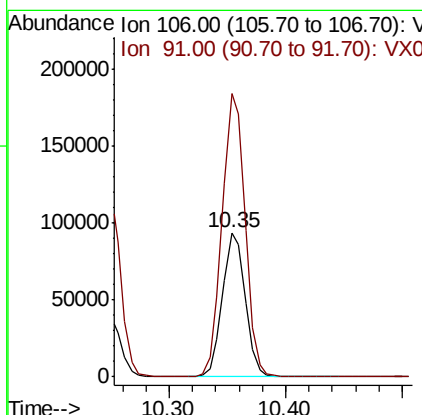
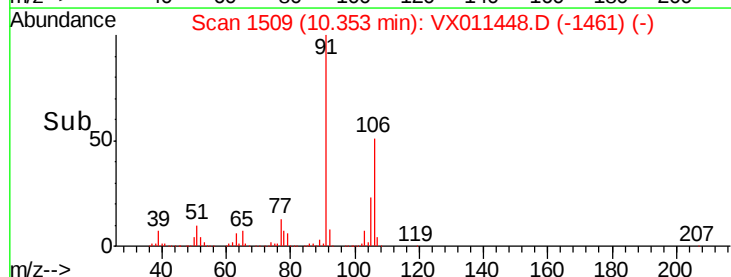
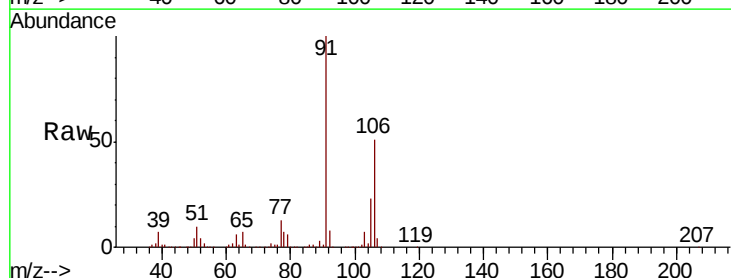
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

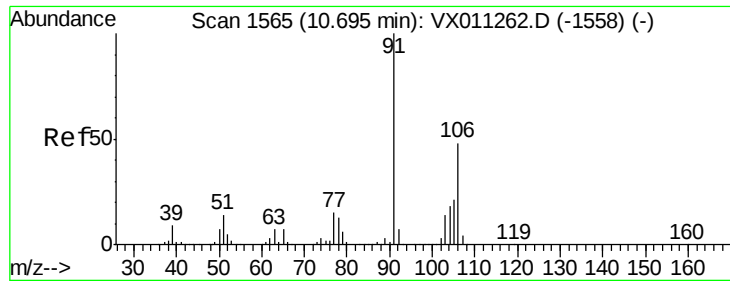
Tgt Ion: 91 Resp: 161652
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.4



#68
m/p-Xylenes
Concen: 39.400 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 106 Resp: 126299
Ion Ratio Lower Upper
106 100
91 199.2 155.9 233.9

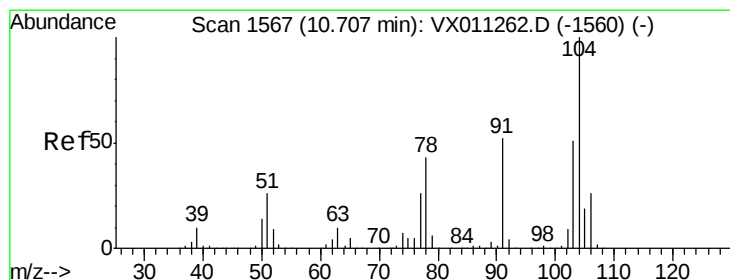
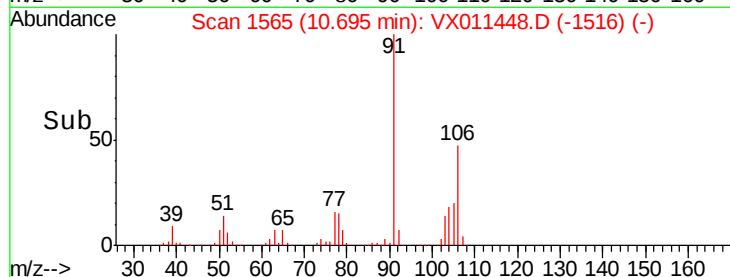
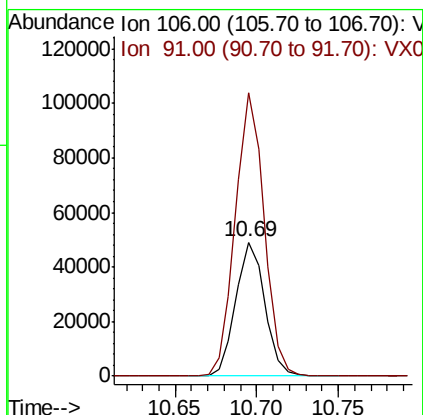
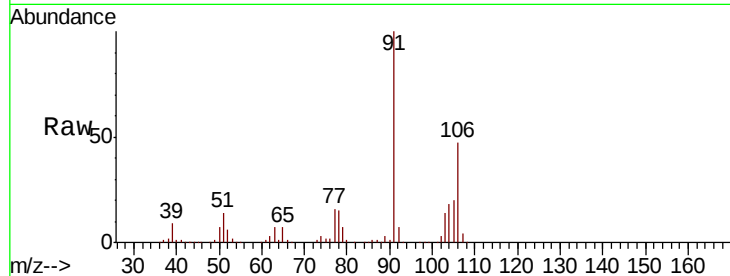




#69
o-Xylene
Concen: 19.399 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

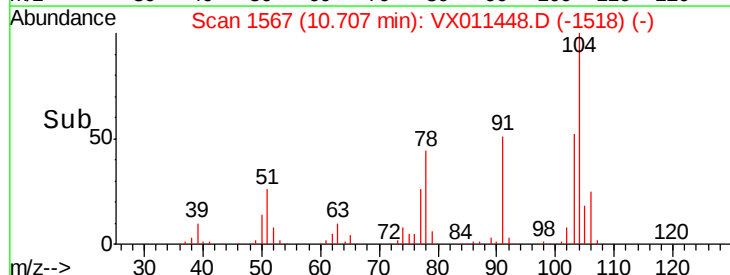
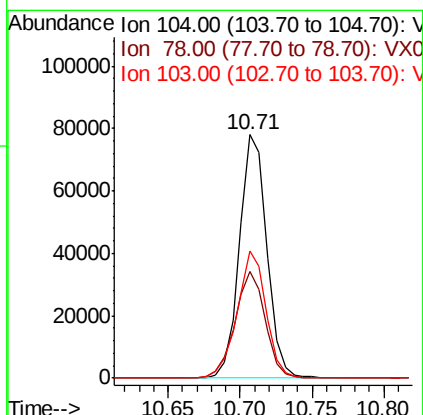
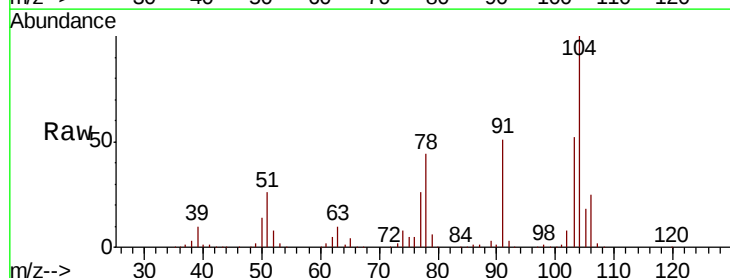
Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

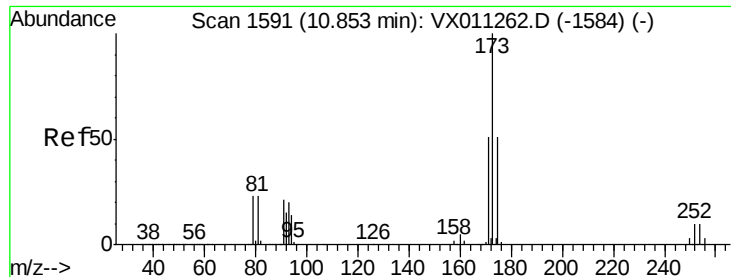
Tgt Ion:106 Resp: 61098
Ion Ratio Lower Upper
106 100
91 210.3 103.8 311.3



#70
Styrene
Concen: 19.726 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion:104 Resp: 102798
Ion Ratio Lower Upper
104 100
78 48.6 36.9 55.3
103 55.3 44.4 66.6





#71

Bromoform

Concen: 19.049 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampled :

VX0811WBS02

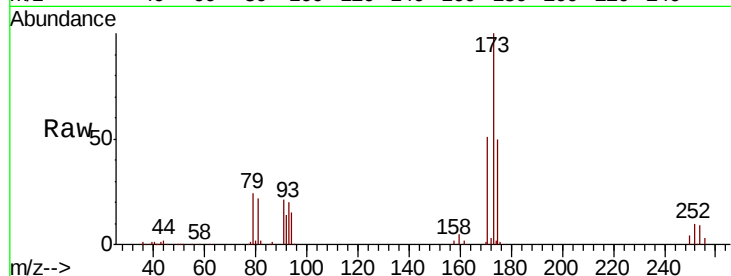
Tgt Ion:173 Resp: 26035

Ion Ratio Lower Upper

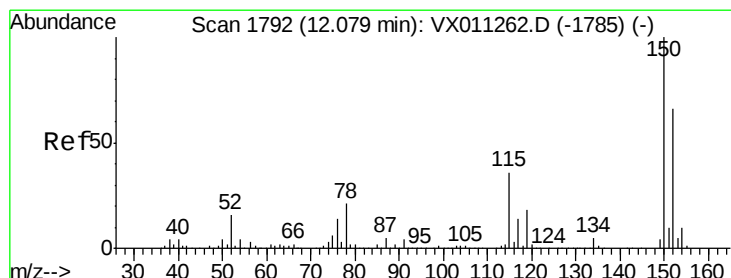
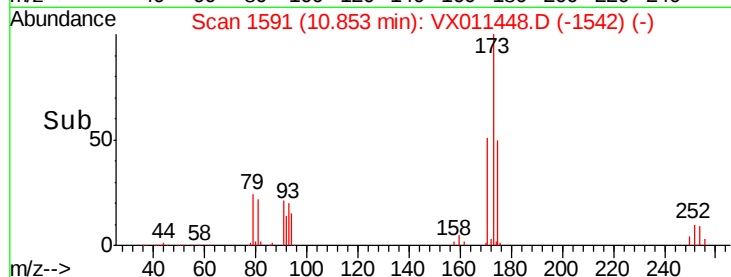
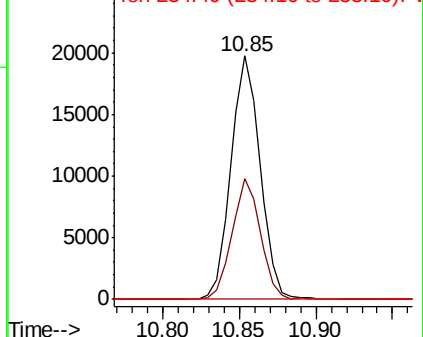
173 100

175 48.2 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: VX011448.D

Acq: 11 Aug 2019 22:51

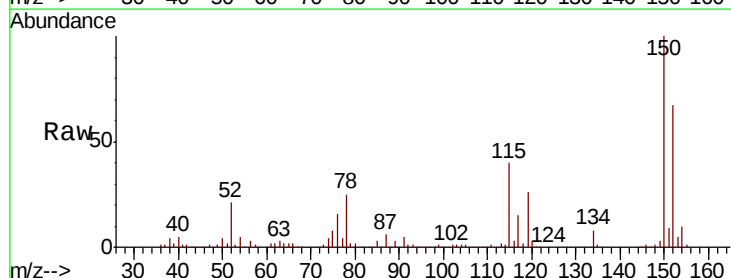
Tgt Ion:152 Resp: 123794

Ion Ratio Lower Upper

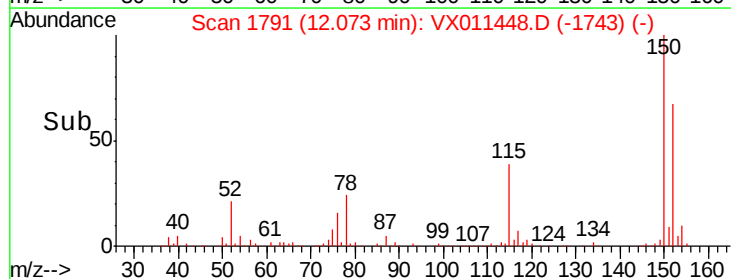
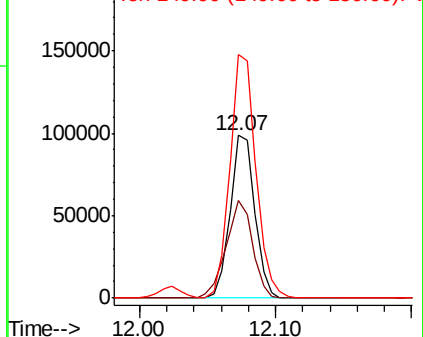
152 100

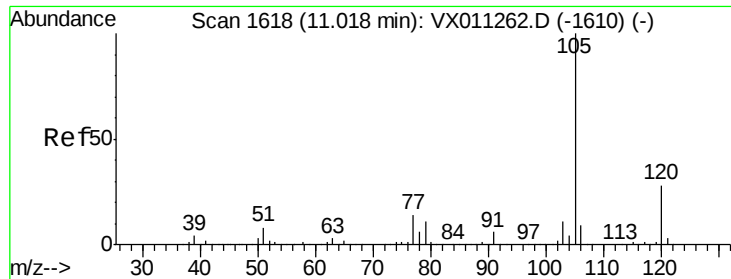
115 64.6 40.0 119.9

150 158.5 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: 19.335 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

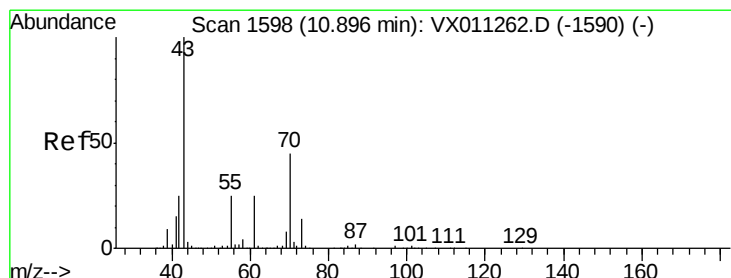
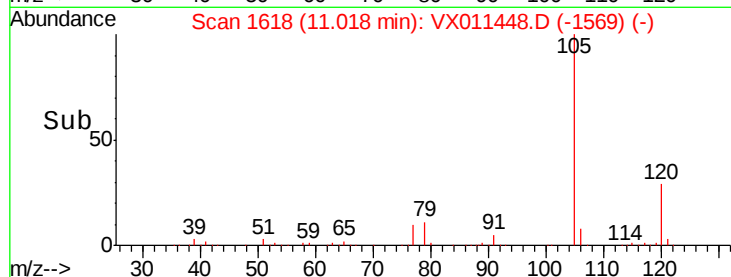
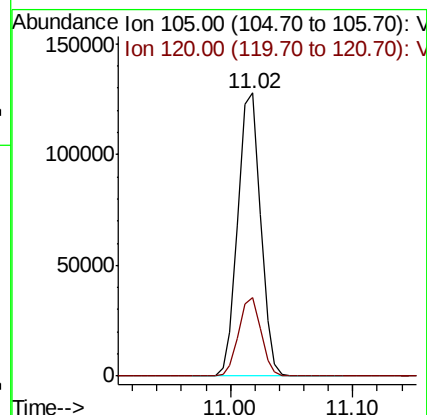
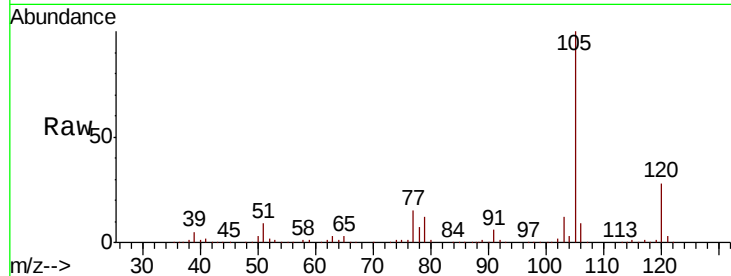
VX0811WBS02

Tgt Ion: 105 Resp: 163706

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1



#74

N-ethyl acetate

Concen: 20.451 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Tgt Ion: 43 Resp: 62564

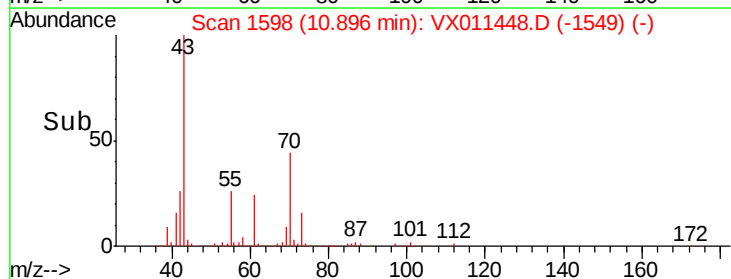
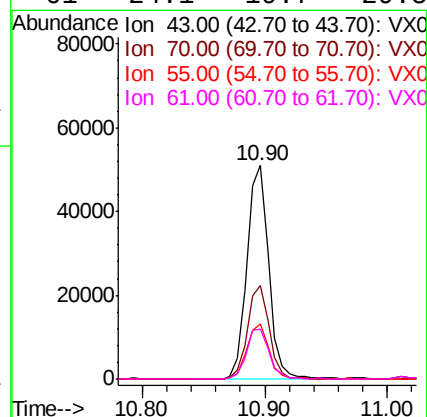
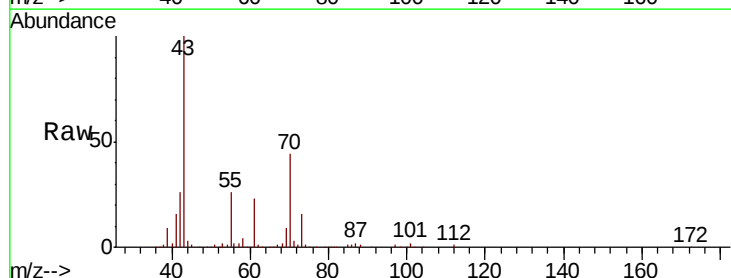
Ion Ratio Lower Upper

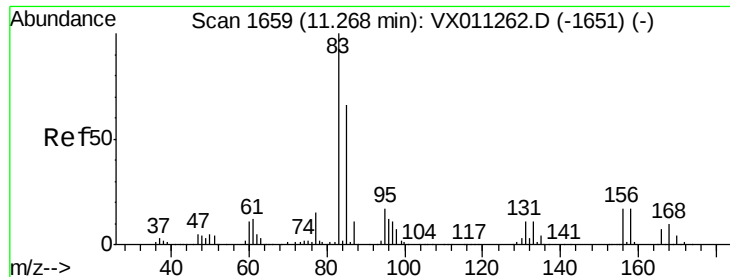
43 100

70 43.6 35.9 53.9

55 26.3 19.8 29.6

61 24.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.826 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

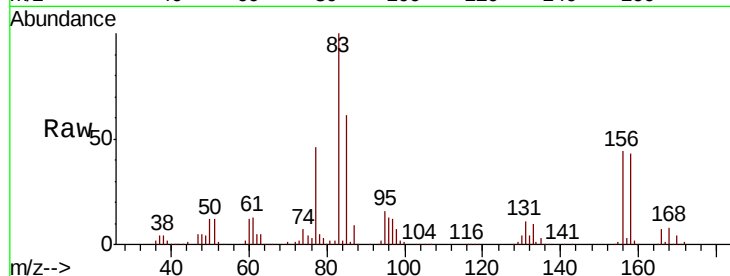
Tgt Ion: 83 Resp: 55939

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

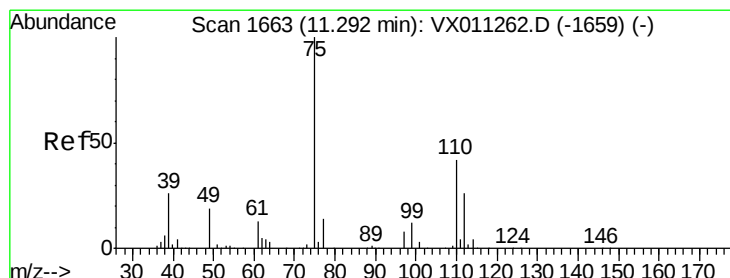
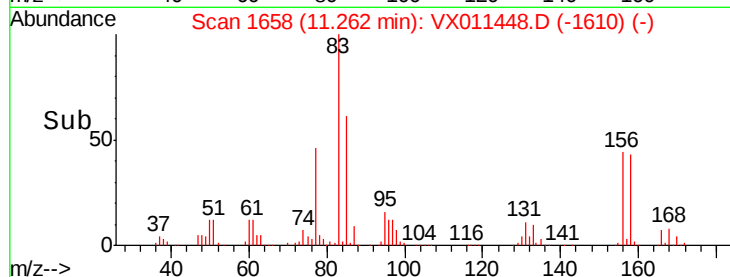
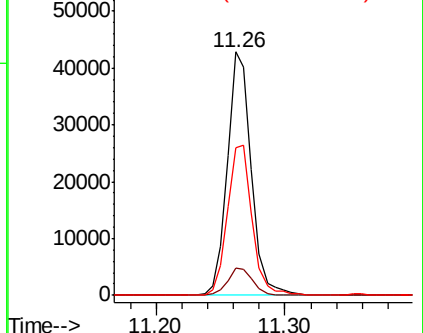
85 63.9 32.1 96.5



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: 25.099 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011448.D

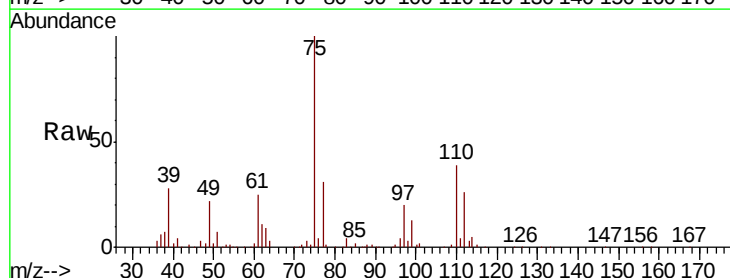
Acq: 11 Aug 2019 22:51

Tgt Ion: 75 Resp: 56585

Ion Ratio Lower Upper

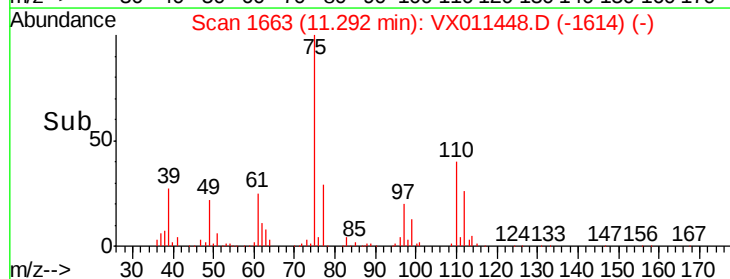
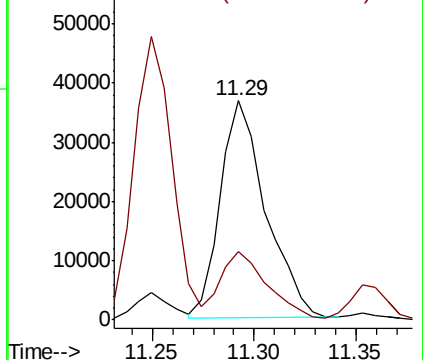
75 100

77 32.5 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: 19.365 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

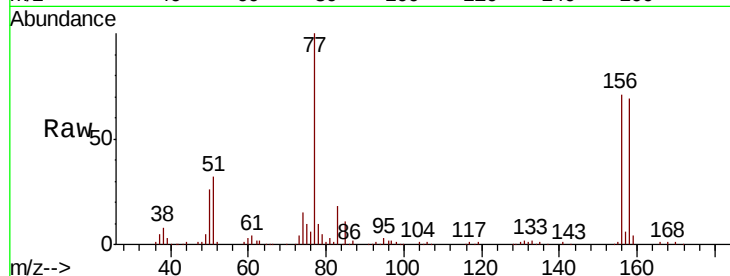
Tgt Ion:156 Resp: 45464

Ion Ratio Lower Upper

156 100

77 136.8 66.2 198.6

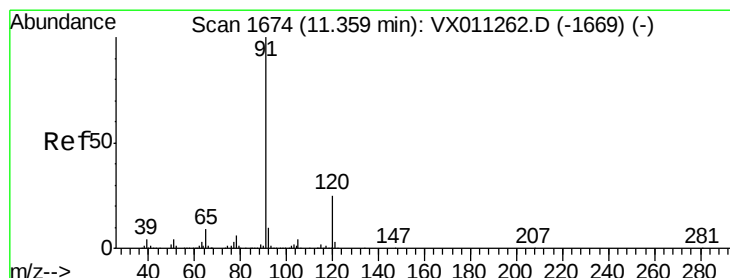
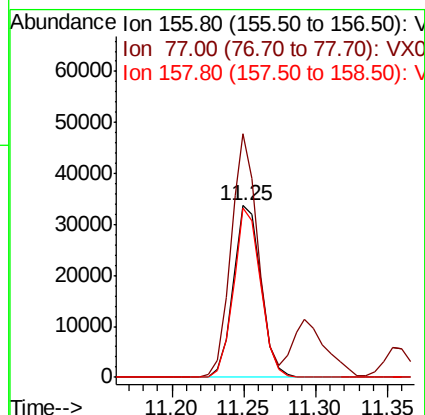
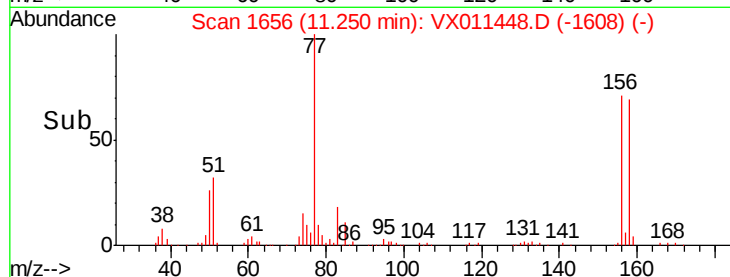
158 95.9 49.1 147.3



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: 19.346 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

Lab File: VX011448.D

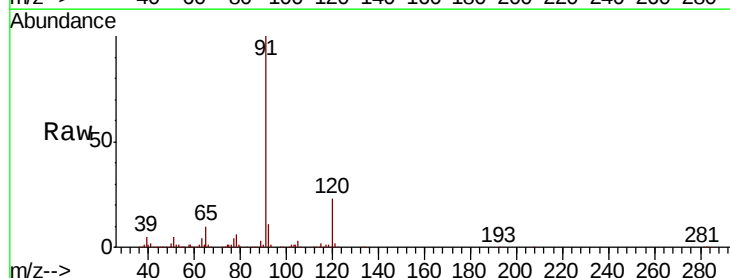
Acq: 11 Aug 2019 22:51

Tgt Ion: 91 Resp: 182153

Ion Ratio Lower Upper

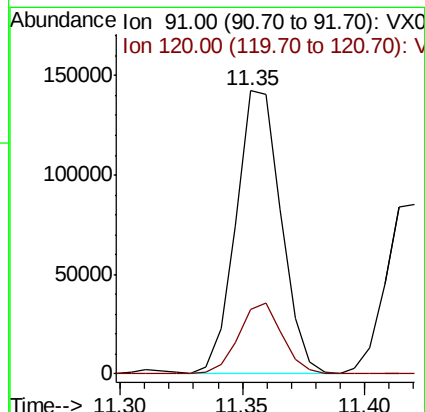
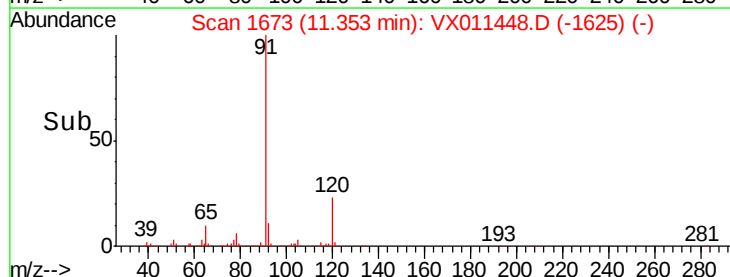
91 100

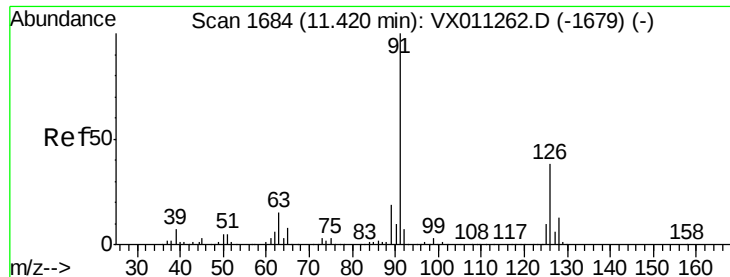
120 24.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.516 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

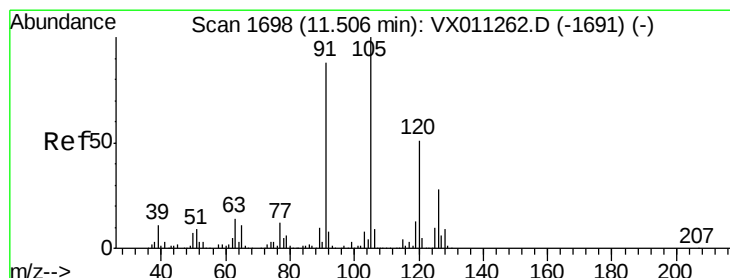
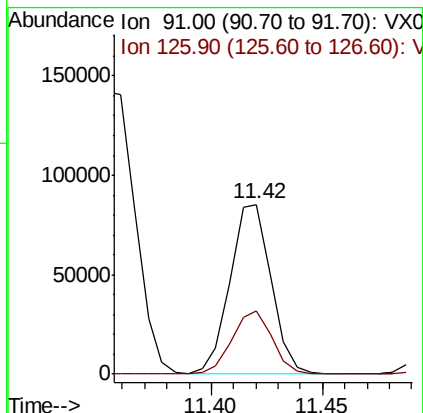
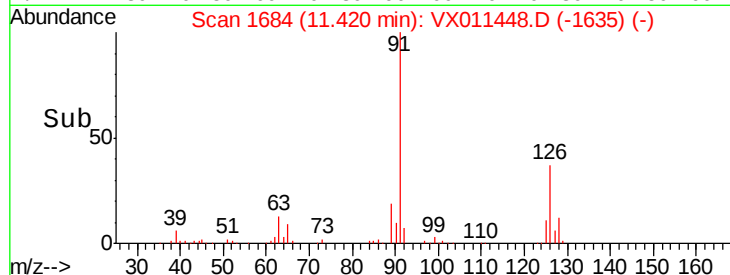
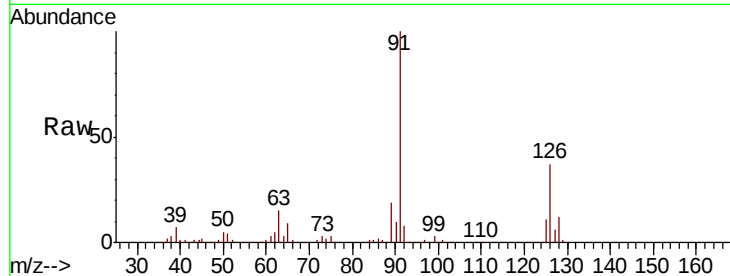
VX0811WBS02

Tgt Ion: 91 Resp: 109523

Ion Ratio Lower Upper

91 100

126 36.6 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 19.261 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011448.D

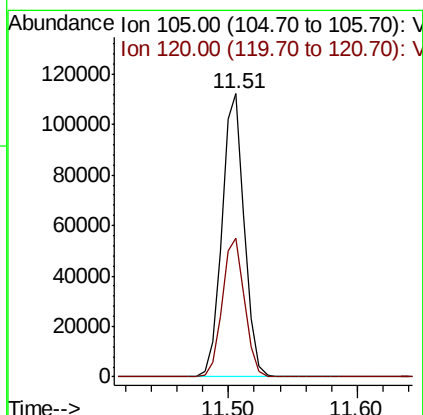
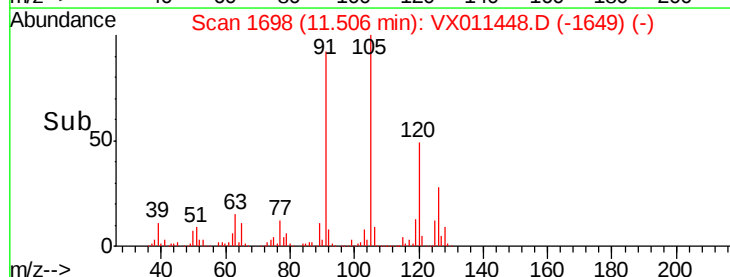
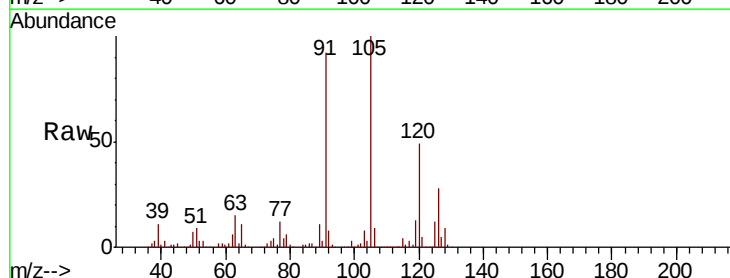
Acq: 11 Aug 2019 22:51

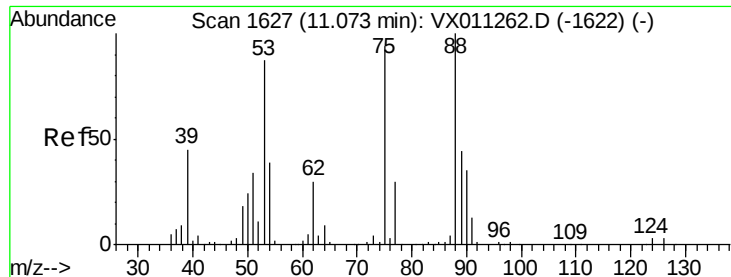
Tgt Ion:105 Resp: 136509

Ion Ratio Lower Upper

105 100

120 49.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.907 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

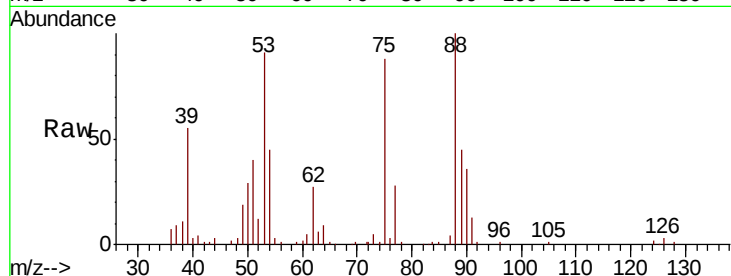
Tgt Ion: 75 Resp: 12420

Ion Ratio Lower Upper

75 100

53 114.4 78.2 117.4

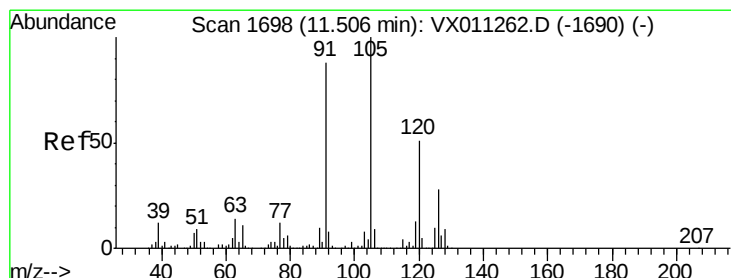
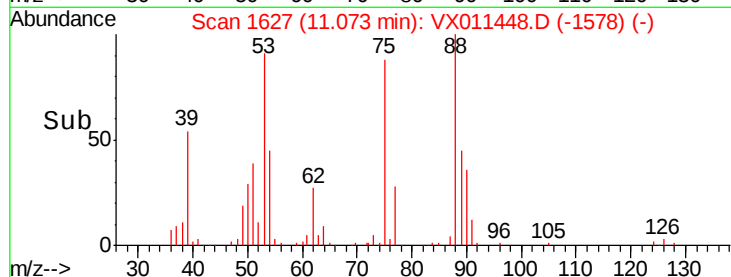
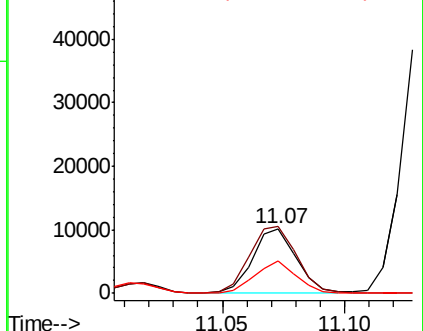
89 48.8 37.9 56.9



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: 19.521 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011448.D

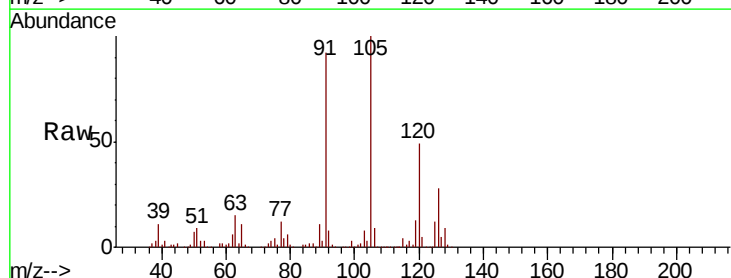
Acq: 11 Aug 2019 22:51

Tgt Ion: 91 Resp: 127674

Ion Ratio Lower Upper

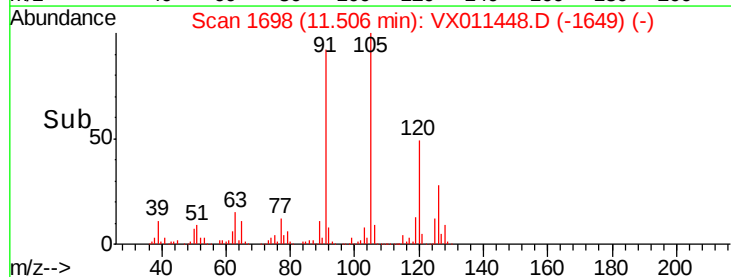
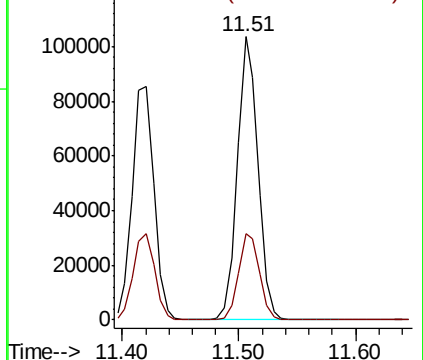
91 100

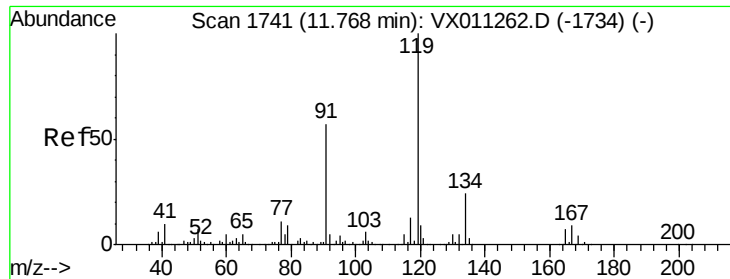
126 31.1 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

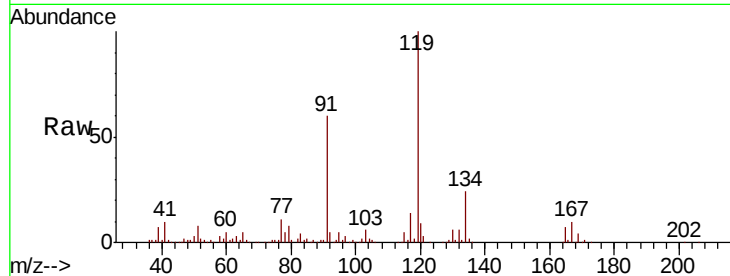




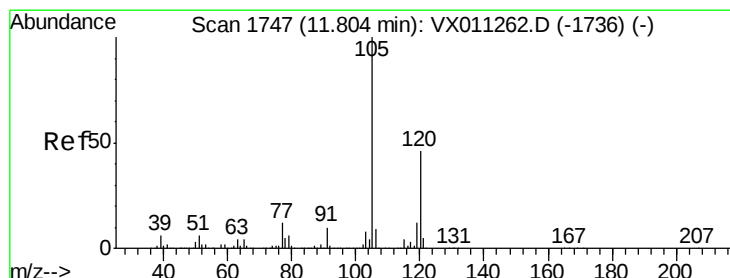
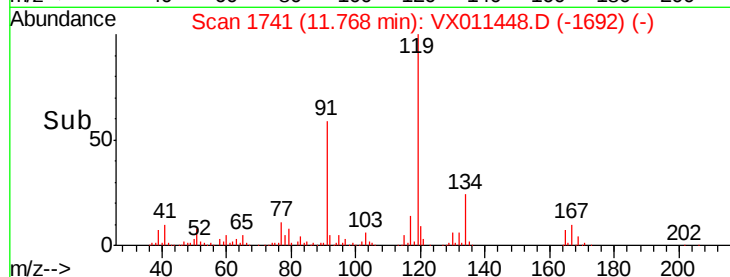
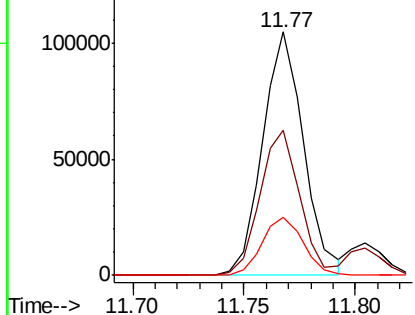
#83
 tert-Butylbenzene
 Concen: 19.223 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

Instrument :
 MSVOA_X
 ClientSampled :
 VX0811WBS02

Tgt Ion:119 Resp: 133624
 Ion Ratio Lower Upper
 119 100
 91 57.3 28.0 84.0
 134 24.0 11.9 35.5

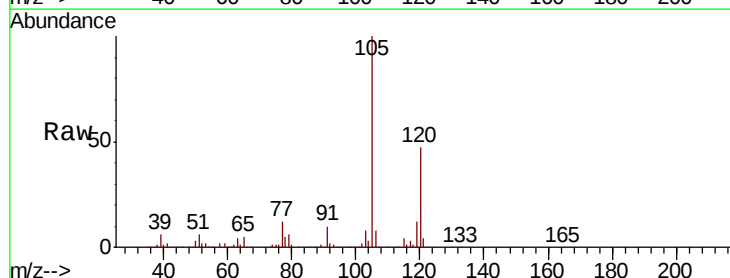


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

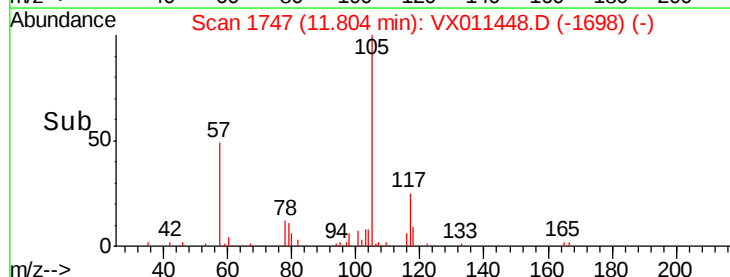
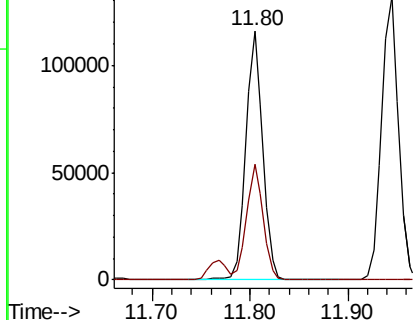


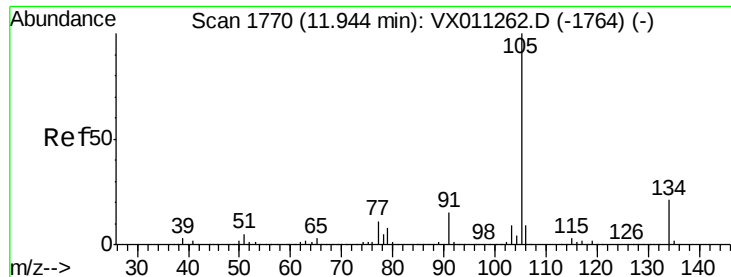
#84
 1,2,4-Trimethylbenzene
 Concen: 19.682 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

Tgt Ion:105 Resp: 138883
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.048 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

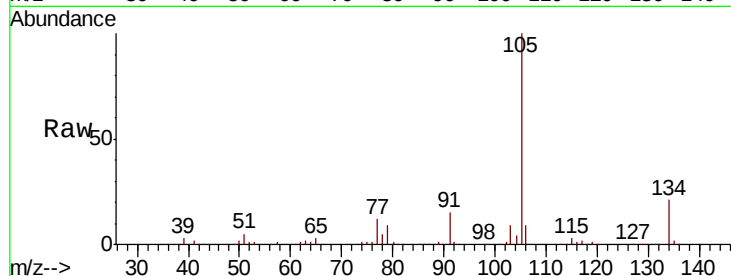
VX0811WBS02

Tgt Ion:105 Resp: 159082

Ion Ratio Lower Upper

105 100

134 20.8 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

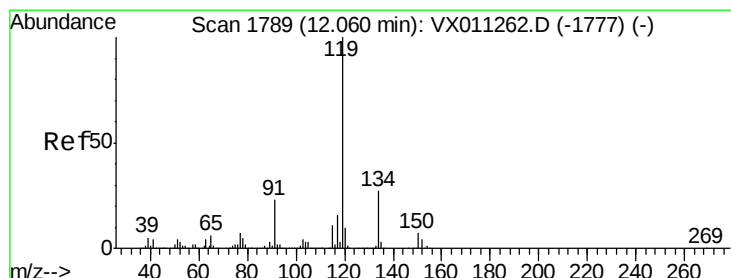
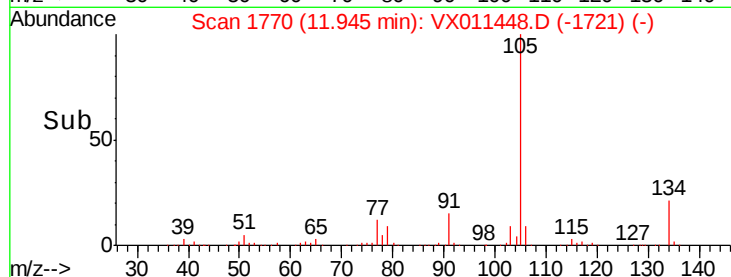
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.136 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

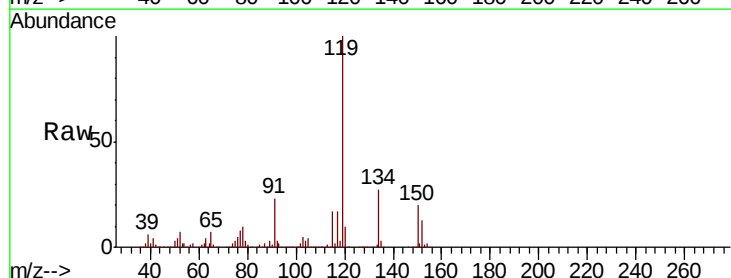
Tgt Ion:119 Resp: 147024

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 23.5 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

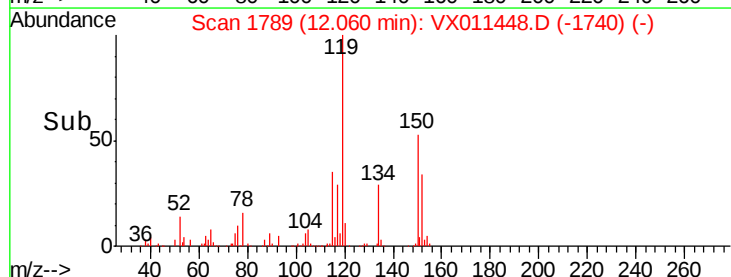
150000

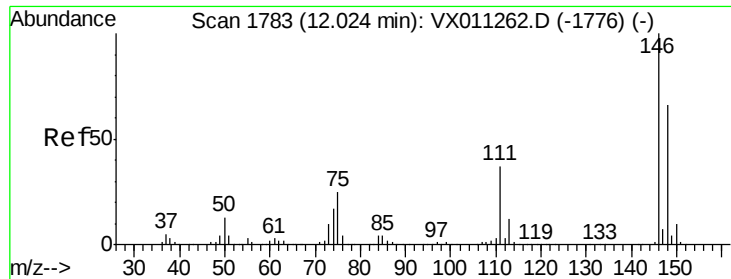
100000

50000

0

Time-->

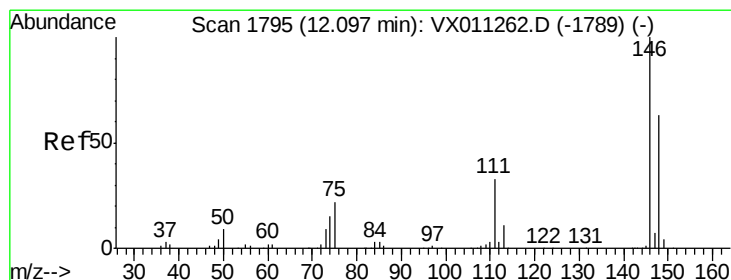
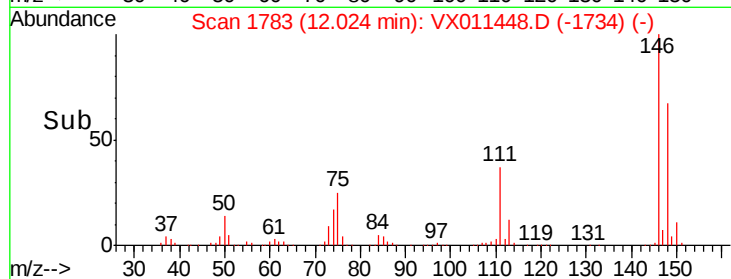
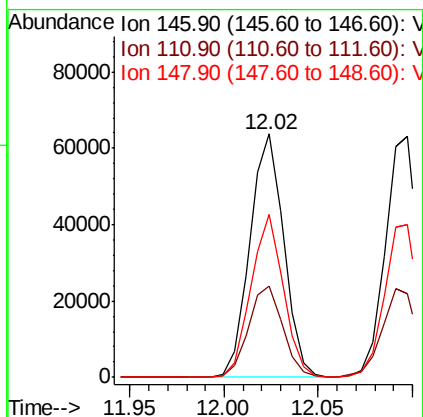
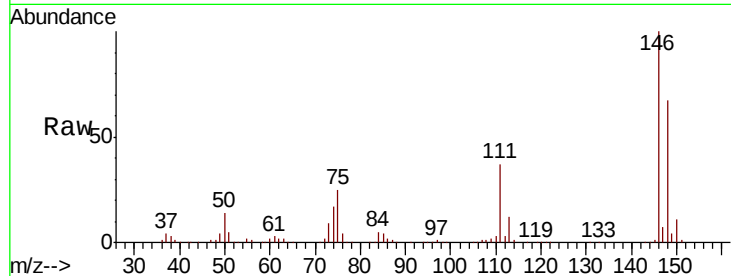




#87
 1,3-Dichlorobenzene
 Concen: 19.165 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

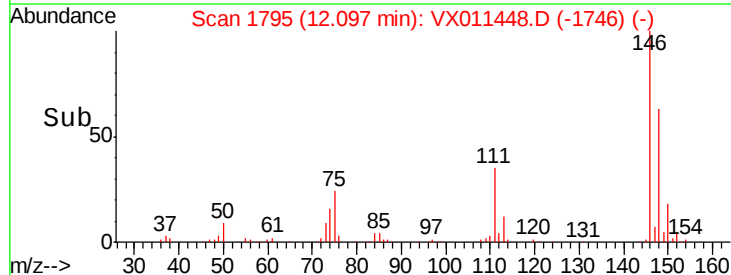
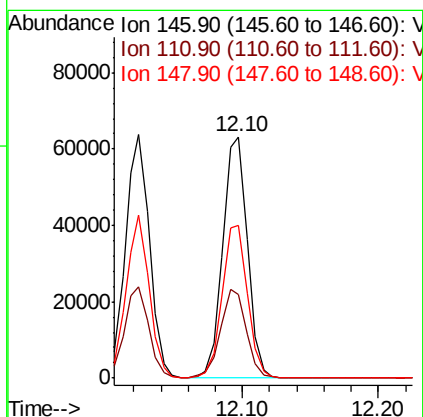
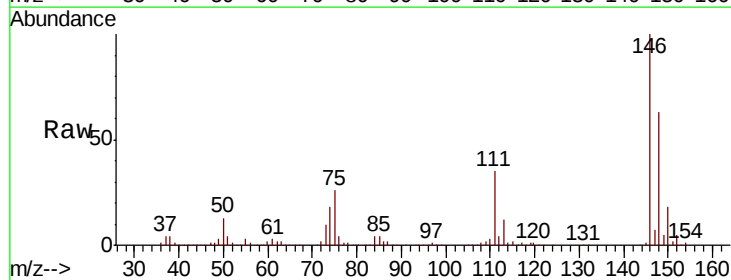
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS02

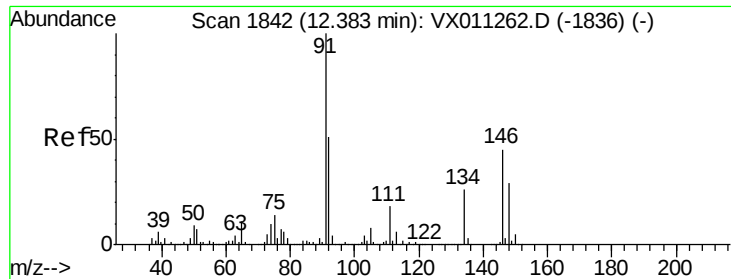
Tgt Ion:146 Resp: 79502
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 64.0 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.583 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

Tgt Ion:146 Resp: 79491
 Ion Ratio Lower Upper
 146 100
 111 38.8 17.8 53.4
 148 65.1 31.8 95.3

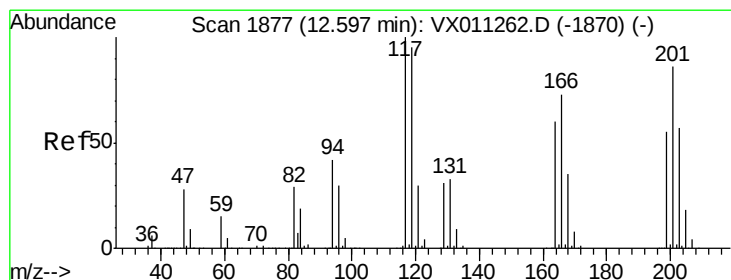
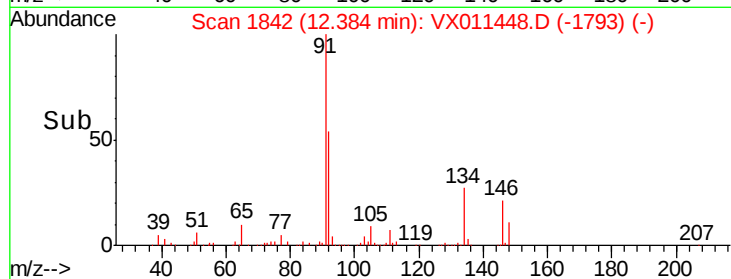
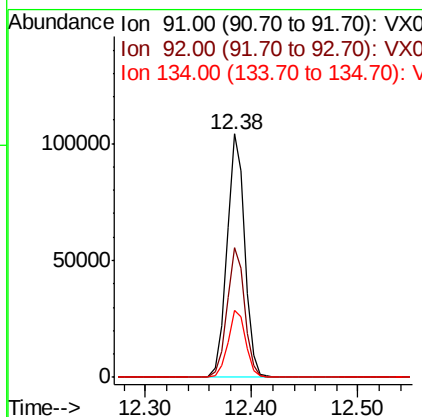
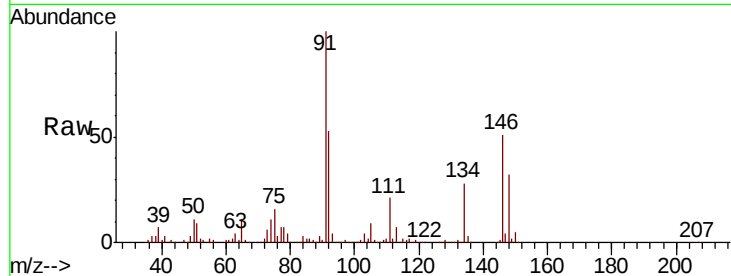




#89
n-Butylbenzene
Concen: 18.356 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

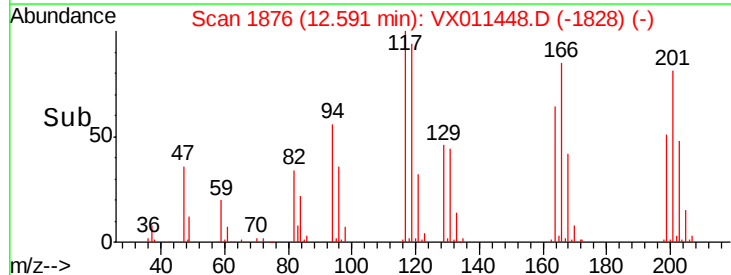
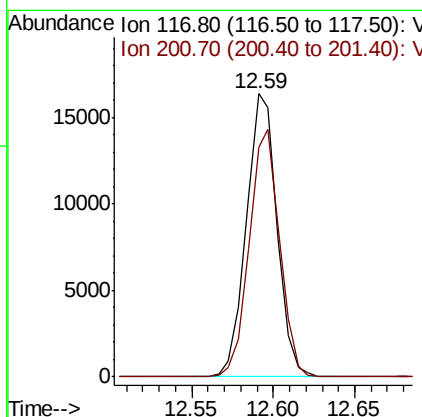
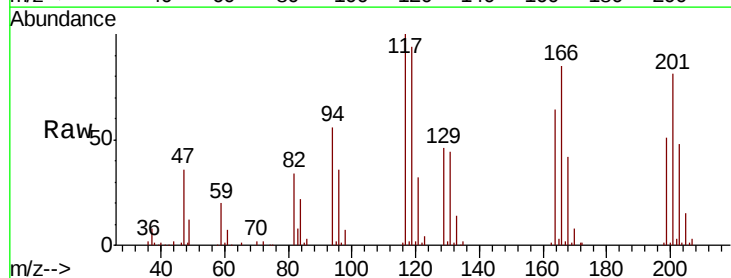
Instrument :
MSVOA_X
ClientSampled :
VX0811WBS02

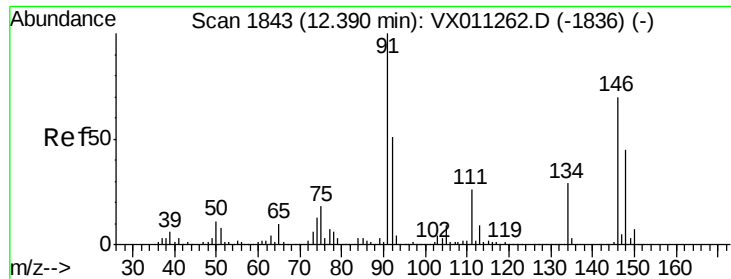
Tgt Ion: 91 Resp: 121503
Ion Ratio Lower Upper
91 100
92 53.0 25.8 77.3
134 27.6 13.7 41.0



#90
Hexachloroethane
Concen: 18.939 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion: 117 Resp: 21513
Ion Ratio Lower Upper
117 100
201 86.3 41.8 125.4





#91

1,2-Dichlorobenzene

Concen: 19.242 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

Instrument :

MSVOA_X

ClientSampleId :

VX0811WBS02

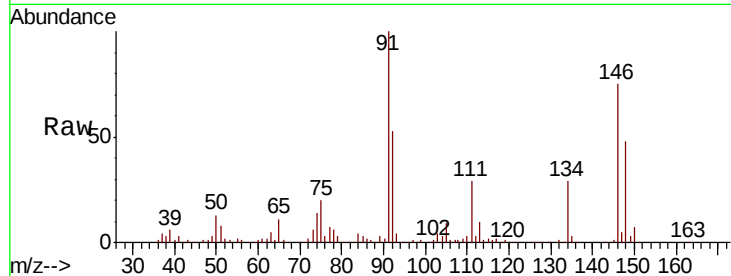
Tgt Ion:146 Resp: 80202

Ion Ratio Lower Upper

146 100

111 39.4 19.1 57.1

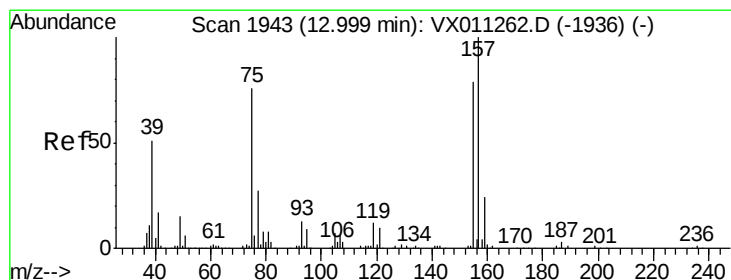
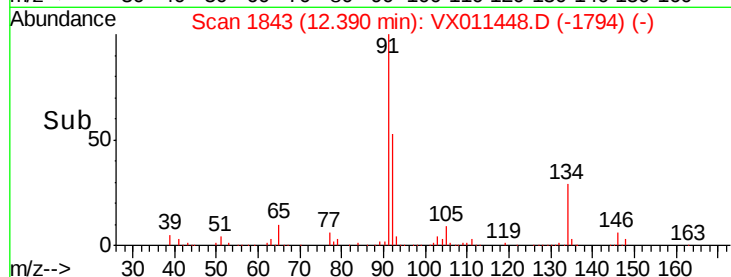
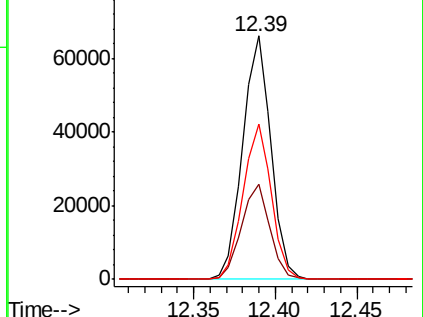
148 63.9 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.638 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX011448.D

Acq: 11 Aug 2019 22:51

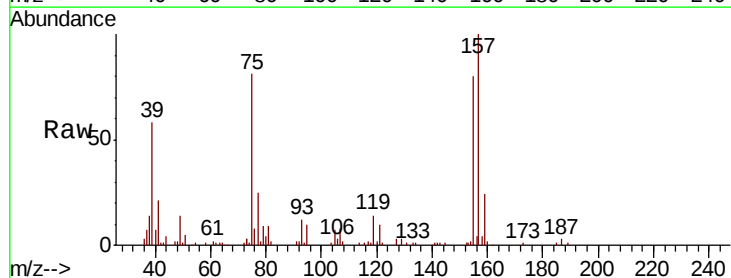
Tgt Ion: 75 Resp: 11828

Ion Ratio Lower Upper

75 100

155 92.1 51.9 155.8

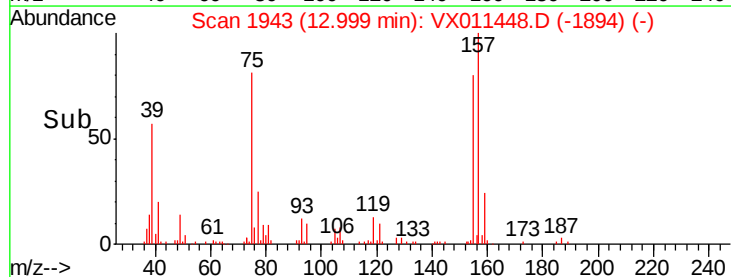
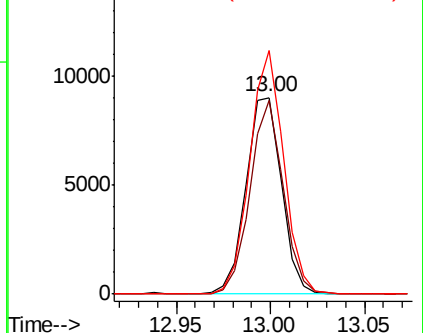
157 117.6 64.3 192.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

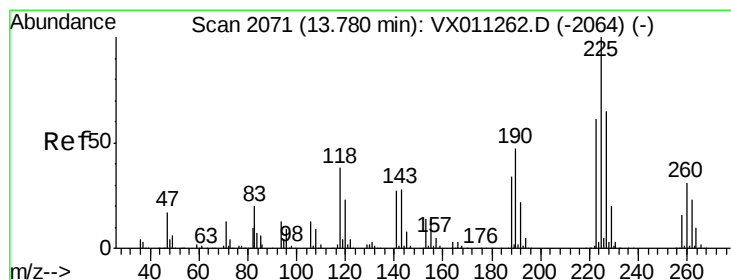
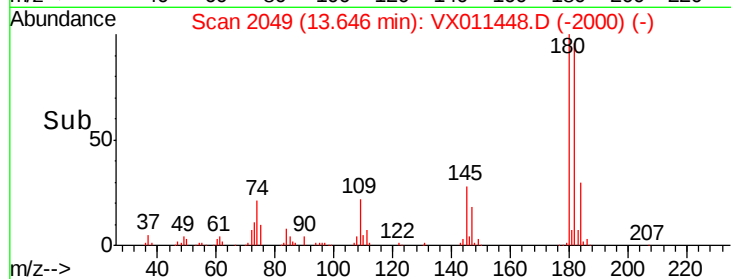
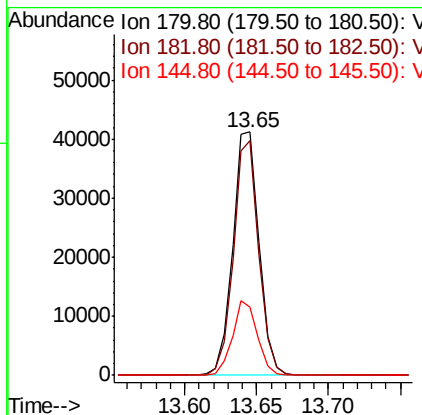
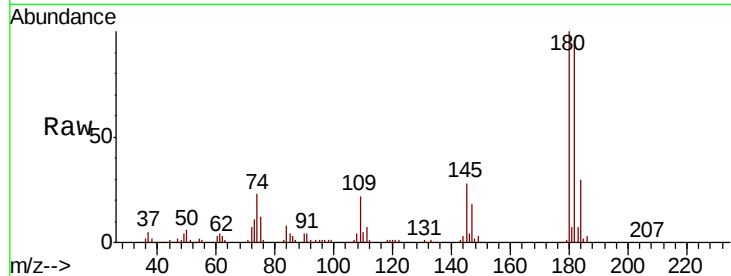




#93
 1,2,4-Trichlorobenzene
 Concen: 19.019 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

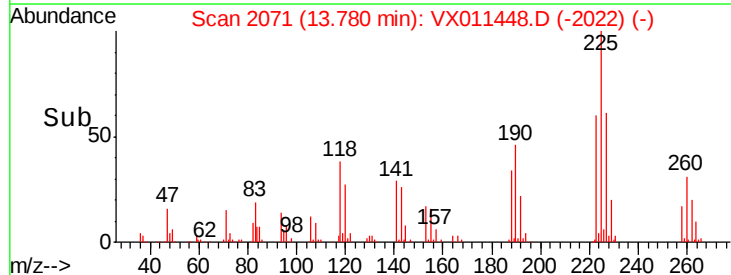
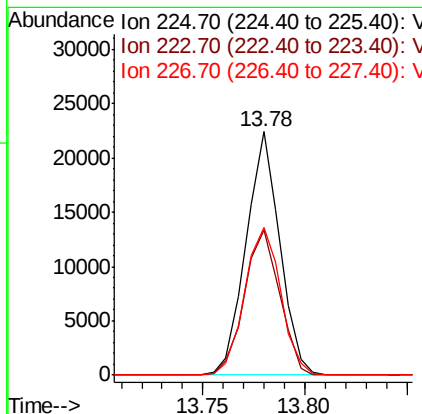
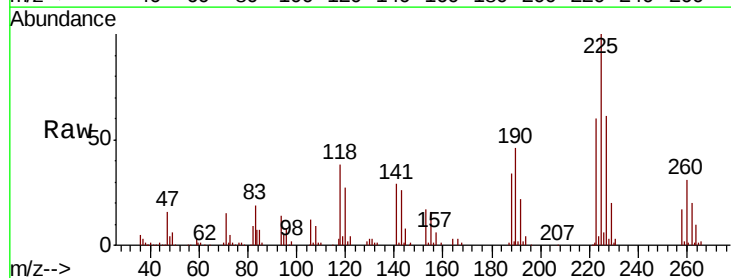
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0811WBS02

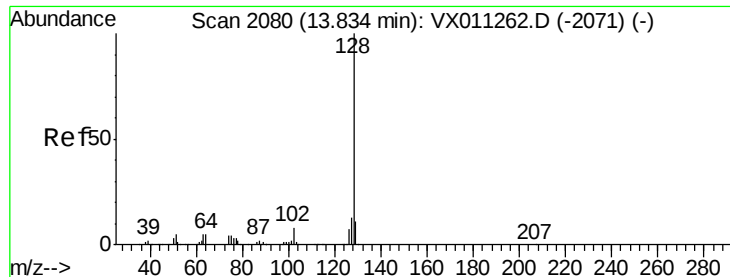
Tgt Ion:180 Resp: 52571
 Ion Ratio Lower Upper
 180 100
 182 92.6 47.8 143.4
 145 29.0 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 18.460 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011448.D
 Acq: 11 Aug 2019 22:51

Tgt Ion:225 Resp: 25888
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.0 93.0
 227 64.8 32.2 96.6

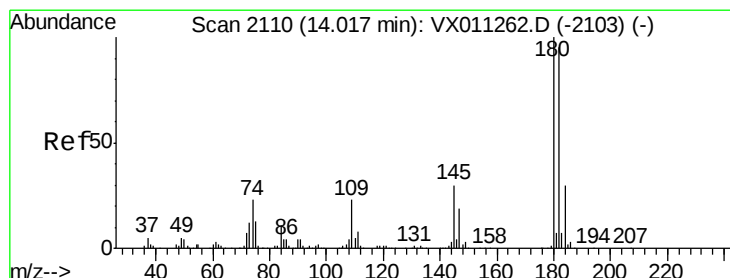
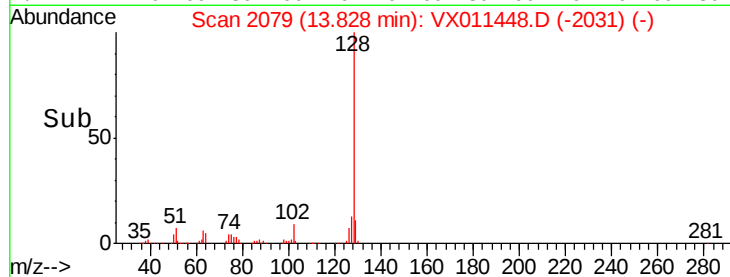
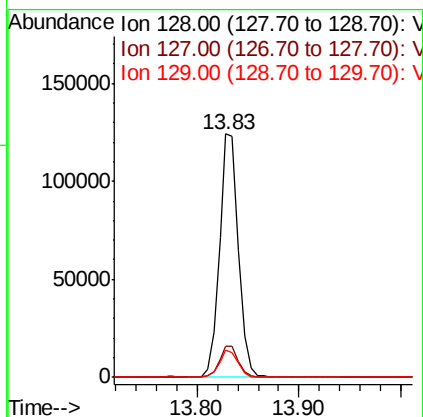
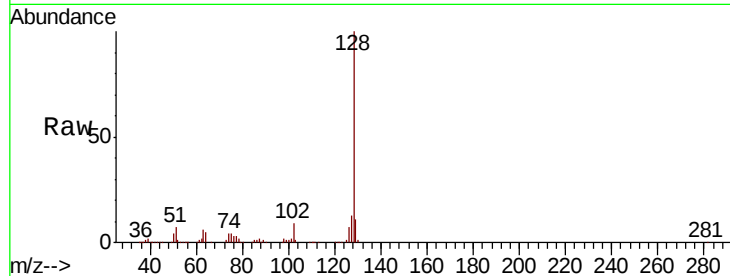




#95
Naphthalene
Concen: 19.885 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Instrument :
MSVOA_X
ClientSampleId :
VX0811WBS02

Tgt Ion:128 Resp: 160742
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.195 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011448.D
Acq: 11 Aug 2019 22:51

Tgt Ion:180 Resp: 53941
Ion Ratio Lower Upper
180 100
182 95.2 47.4 142.3
145 31.1 15.2 45.6

