

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011059.D
 Acq On : 24 Jul 2019 14:06
 Operator : JC/SP
 Sample : VX0724WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 03:22:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	36493	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	184378	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	171900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	72444	29.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.60%
60) 4-Bromofluorobenzene	11.13	95	83991	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	8.71	98	223825	29.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	28181	11.681	ug/l 96
3) Chloromethane	1.33	50	33253	15.674	ug/l 98
4) Vinyl Chloride	1.41	62	31364	14.176	ug/l 100
5) Bromomethane	1.64	94	22145	18.183	ug/l 100
6) Chloroethane	1.72	64	22069	16.860	ug/l 92
7) Trichlorofluoromethane	1.93	101	46991	12.789	ug/l 99
8) Diethyl Ether	2.19	74	21907	18.155	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	23935	11.786	ug/l 98
10) 1,1-Dichloroethene	2.37	96	29765	14.584	ug/l 99
11) Methyl Iodide	2.51	142	43089	15.722	ug/l 96
12) Methyl Acetate	2.77	43	55713	19.436	ug/l 98
13) Acrolein	2.29	56	32727	95.222	ug/l 100
14) Acrylonitrile	3.14	53	110650	98.629	ug/l 100
15) Acetone	2.44	58	33464	107.118	ug/l 99
16) Carbon Disulfide	2.57	76	63407	12.091	ug/l 98
17) Allyl chloride	2.73	41	50461	17.079	ug/l 97
18) Methylene Chloride	2.85	84	40561	17.848	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	34432	15.970	ug/l 98
20) Diisopropyl ether	3.85	45	112060	17.965	ug/l 97
21) 1,1-Dichloroethane	3.70	63	62284	17.352	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	43360	17.487	ug/l # 83
23) tert-Butyl Alcohol	3.04	59	54326	92.746	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	123926	18.915	ug/l 99
25) Chloroform	5.21	83	68715	17.478	ug/l 99
26) Cyclohexane	5.58	56	36873	11.226	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	39628	15.283	ug/l 99
30) 2-Butanone	4.67	43	151582	108.301	ug/l 99
31) 2,2-Dichloropropane	4.59	77	46699	20.633	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	52743	16.868	ug/l 98
33) Carbon Tetrachloride	5.78	117	41964	15.436	ug/l 97
34) Benzene	6.15	78	144931	18.634	ug/l 97
35) Methacrylonitrile	5.04	41	29701	20.384	ug/l 93
36) 1,2-Dichloroethane	6.19	62	56833	20.436	ug/l 98
37) Trichloroethene	7.21	130	40336	17.714	ug/l 98
38) Methylcyclohexane	7.46	83	38390	11.731	ug/l 99
39) 1,2-Dichloropropane	7.51	63	38548	19.828	ug/l 97
40) Dibromomethane	7.66	93	28565	19.977	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011059.D
 Acq On : 24 Jul 2019 14:06
 Operator : JC/SP
 Sample : VX0724WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 03:22:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	51484	19.782	ug/l	100
42) Vinyl Acetate	3.81	43	473258	102.630	ug/l	99
43) Ethyl Acetate	4.83	43	56244	20.934	ug/l	99
44) Isopropyl Acetate	6.45	43	89033	20.346	ug/l	99
45) 1,4-Dioxane	7.74	88	24397	428.341	ug/l	99
46) Methyl methacrylate	7.77	41	42988	20.239	ug/l	97
47) n-amyl Acetate	10.90	43	77795	19.822	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	54145	19.740	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	59617	19.917	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	42869	20.485	ug/l	95
51) Ethyl methacrylate	9.18	69	64488	19.925	ug/l	96
52) 1,3-Dichloropropane	9.37	76	67952	20.207	ug/l	97
53) Dibromochloromethane	9.58	129	42965	19.011	ug/l	96
54) 1,2-Dibromoethane	9.67	107	46111	20.276	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	149851	109.335	ug/l	99
56) Bromoform	10.85	173	31583	18.763	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	295690	101.854	ug/l	100
59) 2-Hexanone	9.49	43	229370	103.251	ug/l	100
61) Tetrachloroethene	9.34	164	38442	16.937	ug/l	98
62) Toluene	8.78	91	167125	18.301	ug/l	99
64) Chlorobenzene	10.13	112	112057	19.152	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	41159	19.356	ug/l	100
66) Ethyl Benzene	10.25	91	181515	17.657	ug/l	99
67) m/p-Xylenes	10.36	106	139363	35.432	ug/l	97
68) o-Xylene	10.69	106	69897	18.137	ug/l	98
69) Styrene	10.71	104	117970	18.211	ug/l	99
70) Isopropylbenzene	11.02	105	174577	17.011	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	67875	20.512	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	72536	26.261	ug/l	86
73) Bromobenzene	11.26	156	52827	19.079	ug/l	99
74) n-propylbenzene	11.36	91	192534	16.669	ug/l	99
75) 2-Chlorotoluene	11.42	91	123896	18.011	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	150491	17.324	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	17818	19.552	ug/l	98
78) 4-Chlorotoluene	11.51	91	142507	18.038	ug/l	100
79) tert-butylbenzene	11.77	119	144019	17.093	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	156081	17.843	ug/l	100
81) sec-Butylbenzene	11.94	105	157911	15.899	ug/l	100
82) p-Isopropyltoluene	12.06	119	149684	16.241	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	89964	18.404	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	90277	18.581	ug/l	99
85) n-Butylbenzene	12.38	91	119962	15.286	ug/l	100
86) Hexachloroethane	12.59	117	23335	16.054	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	93018	19.436	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14530	19.945	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	59015	17.878	ug/l	98
90) Hexachlorobutadiene	13.78	225	22922	14.362	ug/l	99
91) Naphthalene	13.83	128	191477	19.010	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	59481	17.978	ug/l	97

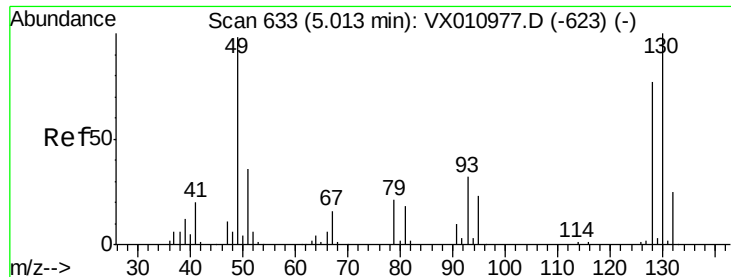
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
Data File : VX011059.D
Acq On : 24 Jul 2019 14:06
Operator : JC/SP
Sample : VX0724WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 25 03:22:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 03:27:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

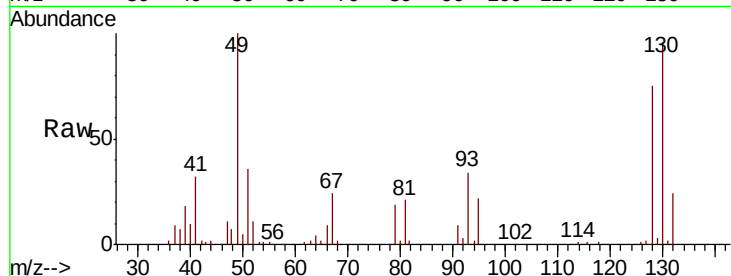
Tot Ion:128 Resp: 36493

Ion Ratio Lower Upper

128 100

49 132.3 0.0 343.5

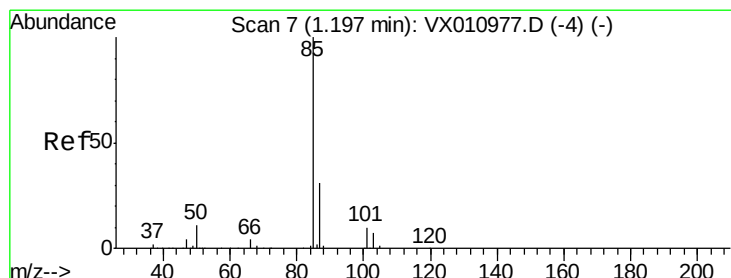
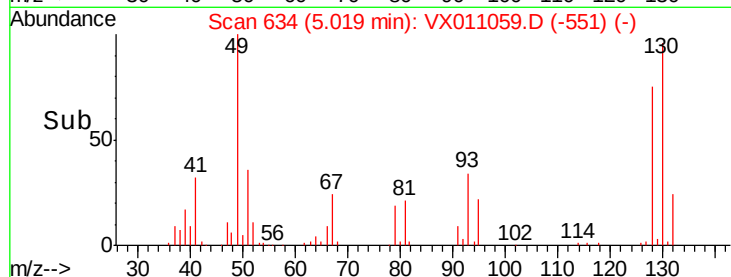
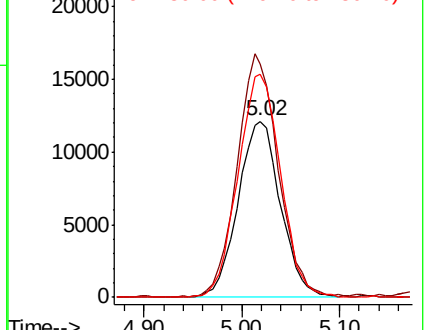
130 126.9 0.0 324.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 11.681 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX011059.D

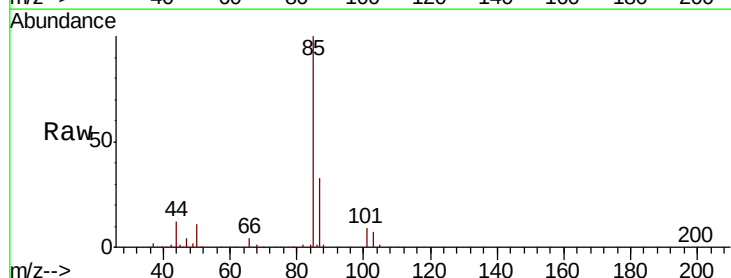
Acq: 24 Jul 2019 14:06

Tgt Ion: 85 Resp: 28181

Ion Ratio Lower Upper

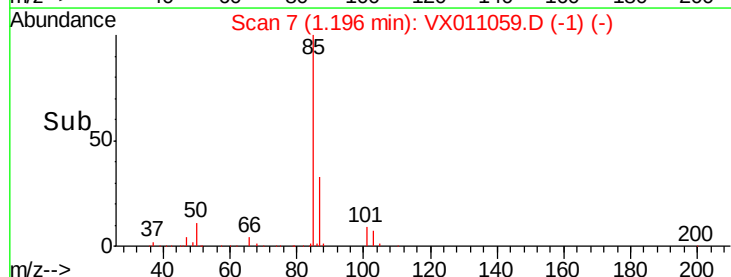
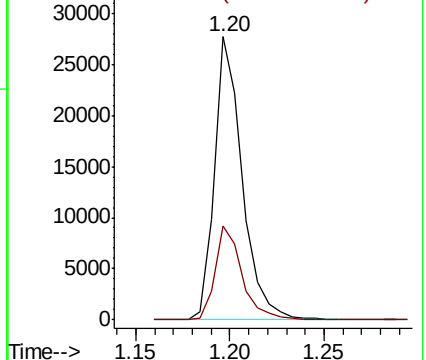
85 100

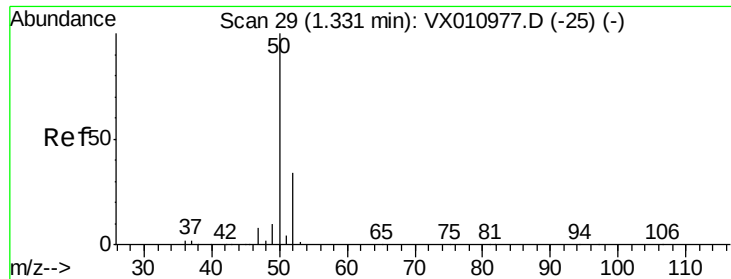
87 33.0 15.4 46.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 15.674 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

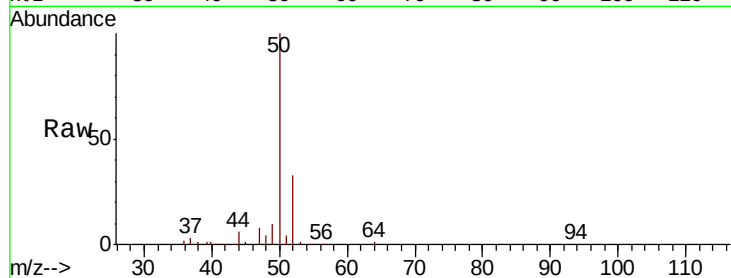
ClientSampleId :

Tot Ion: 50 Resp: 33253

Ion Ratio Lower Upper

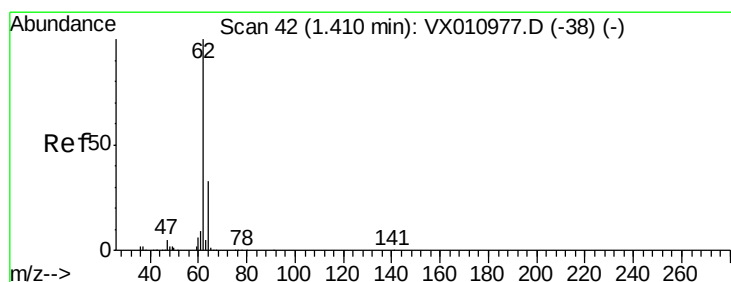
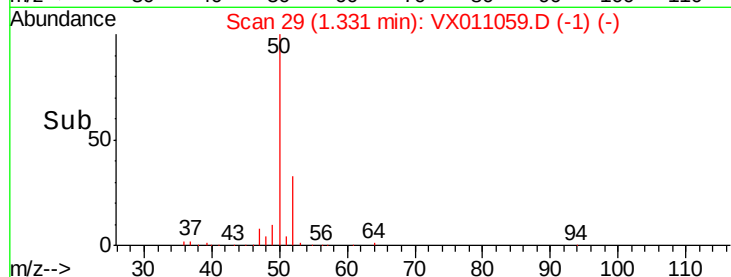
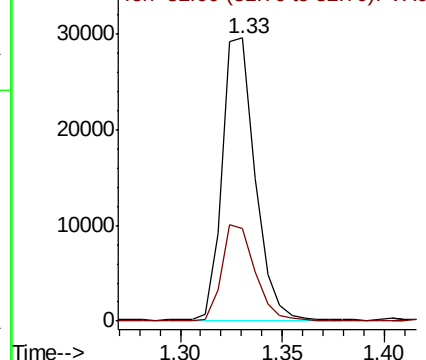
50 100

52 32.9 27.3 40.9



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 14.176 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011059.D

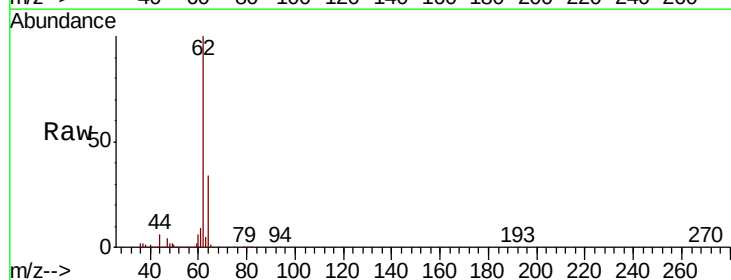
Acq: 24 Jul 2019 14:06

Tgt Ion: 62 Resp: 31364

Ion Ratio Lower Upper

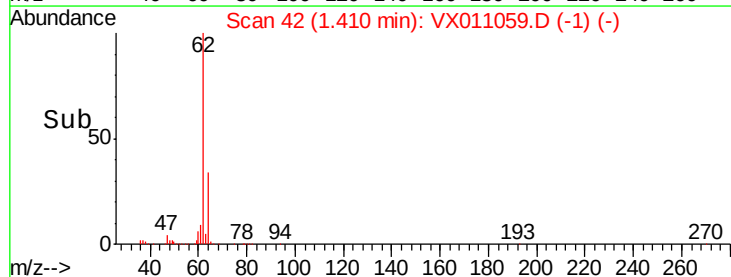
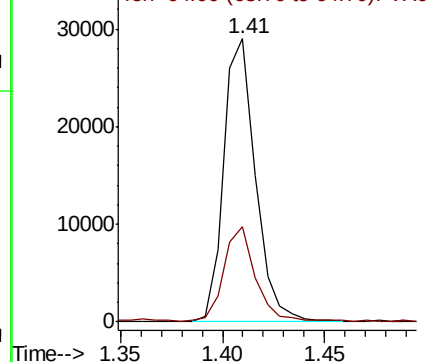
62 100

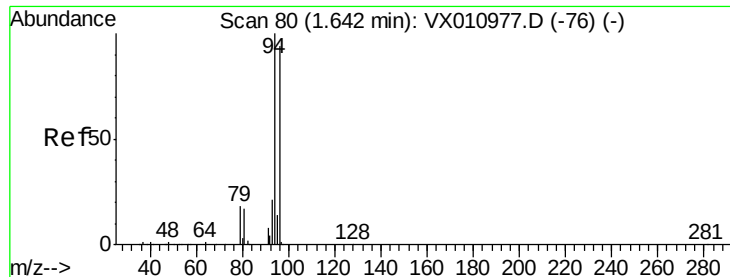
64 33.2 26.8 40.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.183 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

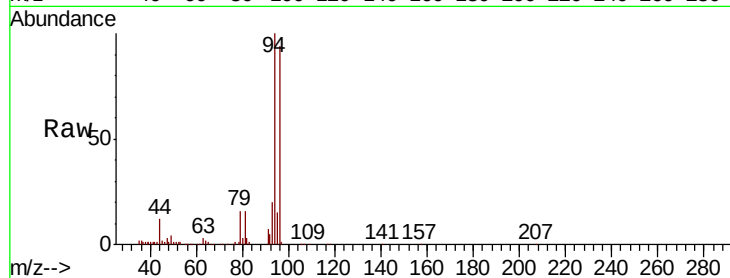
ClientSampleId :

Tot Ion: 94 Resp: 22145

Ion Ratio Lower Upper

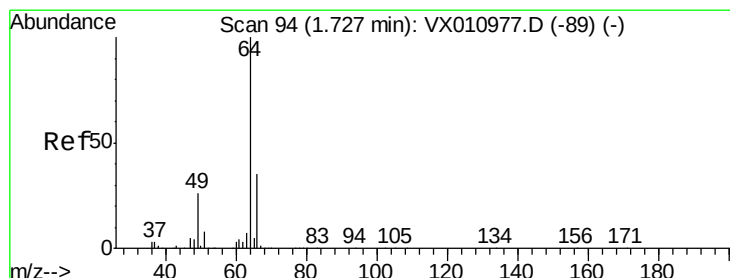
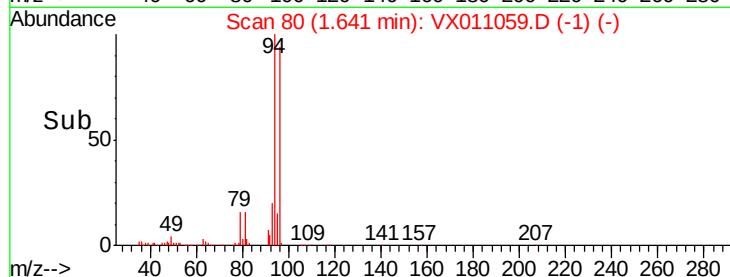
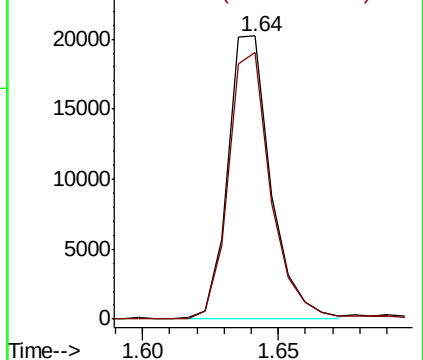
94 100

96 94.3 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 16.860 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX011059.D

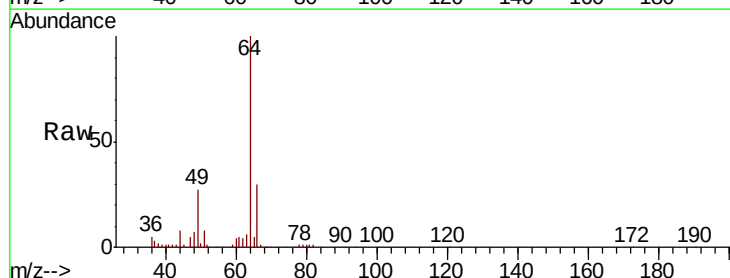
Acq: 24 Jul 2019 14:06

Tgt Ion: 64 Resp: 22069

Ion Ratio Lower Upper

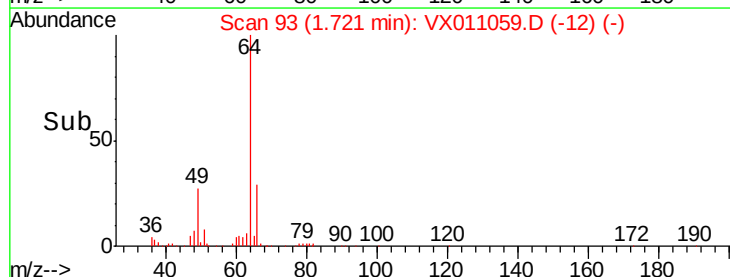
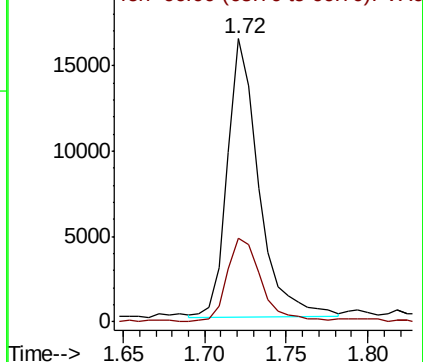
64 100

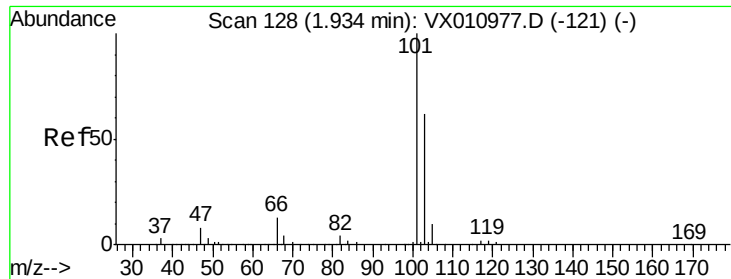
66 30.2 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



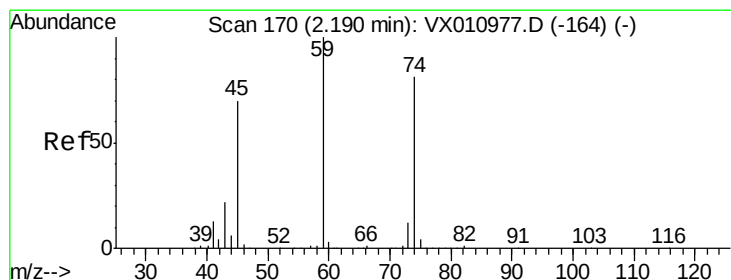
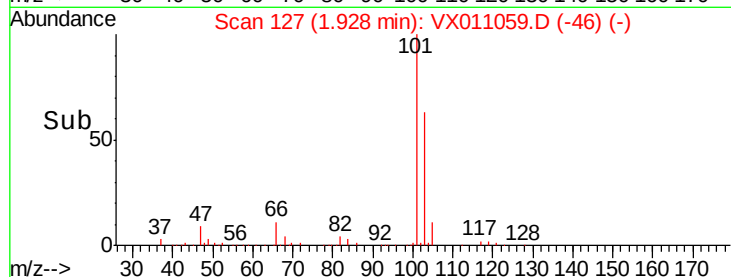
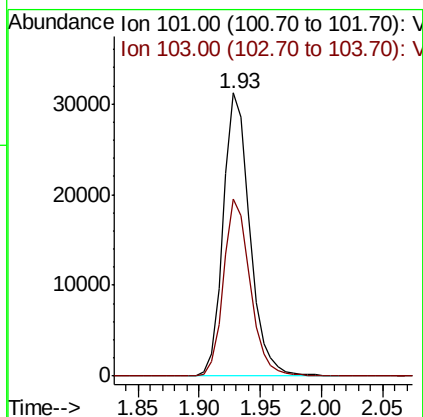
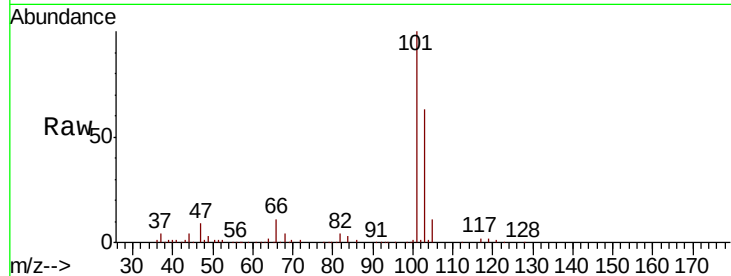


#7

Trichlorofluoromethane
Concen: 12.789 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :

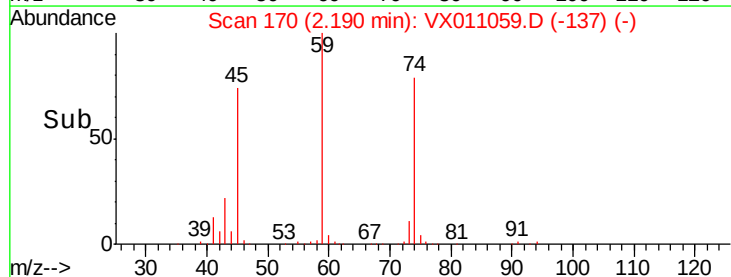
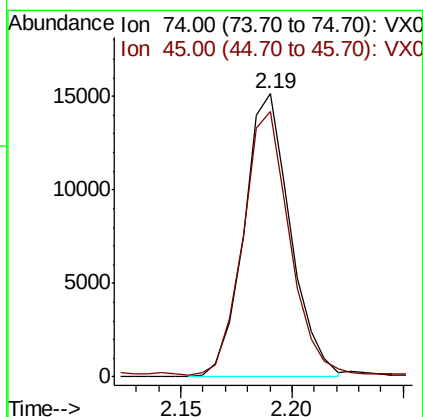
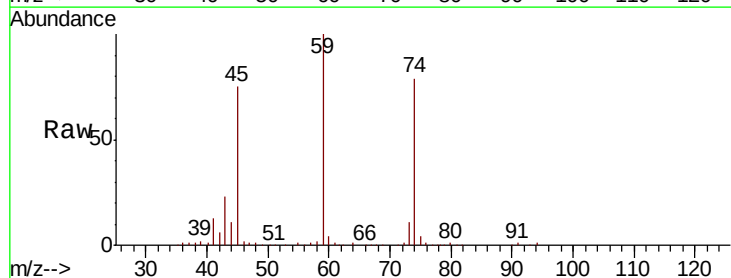
Tot Ion:101 Resp: 46991
Ion Ratio Lower Upper
101 100
103 62.8 49.6 74.4

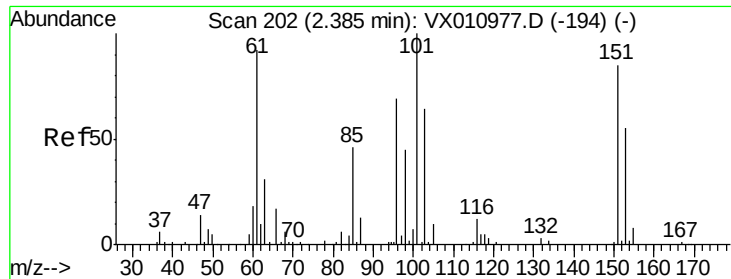


#8

Diethyl Ether
Concen: 18.155 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion: 74 Resp: 21907
Ion Ratio Lower Upper
74 100
45 93.5 18.3 164.3

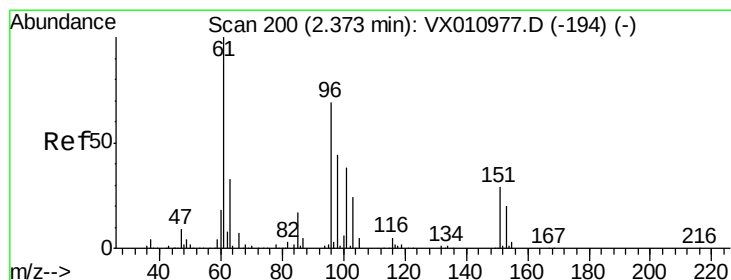
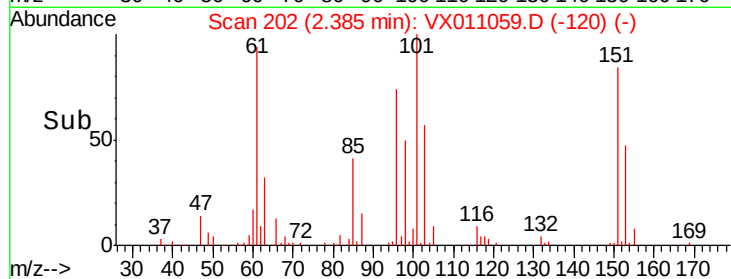
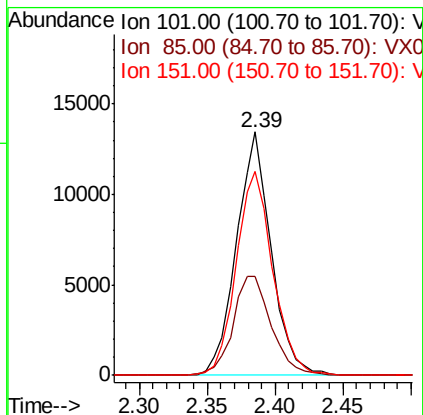
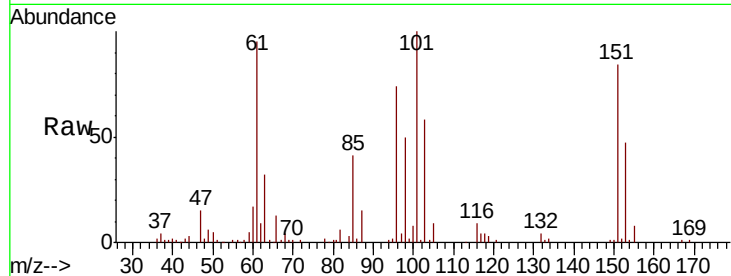




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.786 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

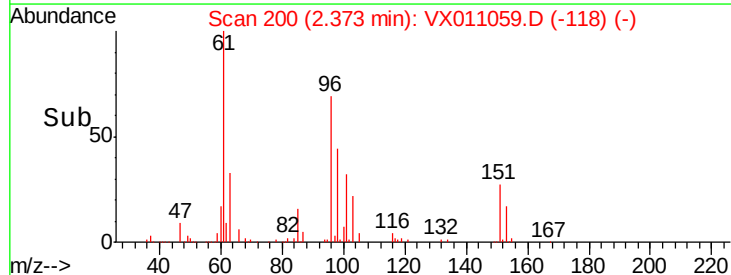
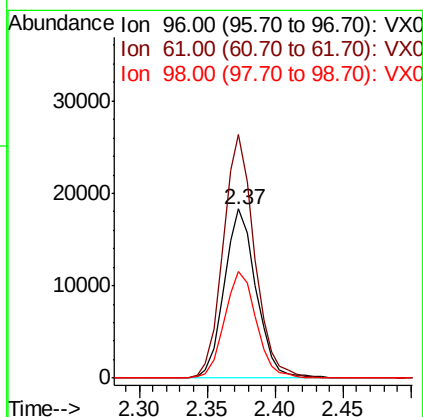
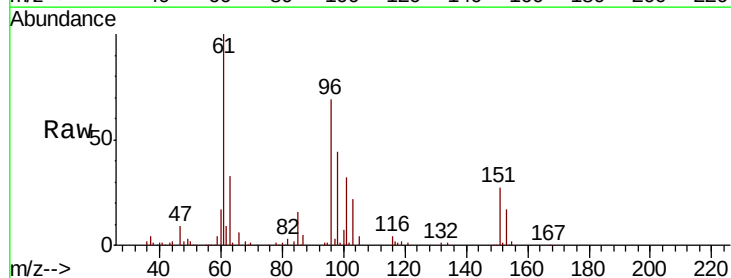
Instrument :
 MSVOA_X
 ClientSampleId :

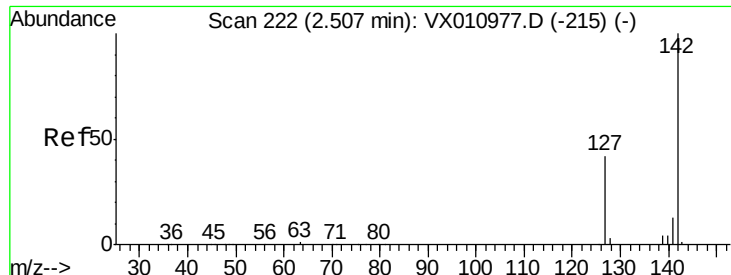
Tot Ion:101 Resp: 23935
 Ion Ratio Lower Upper
 101 100
 85 44.7 0.0 89.8
 151 88.5 0.0 172.2



#10
 1,1-Dichloroethene
 Concen: 14.584 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Tgt Ion: 96 Resp: 29765
 Ion Ratio Lower Upper
 96 100
 61 143.9 115.9 173.9
 98 63.4 50.6 75.8

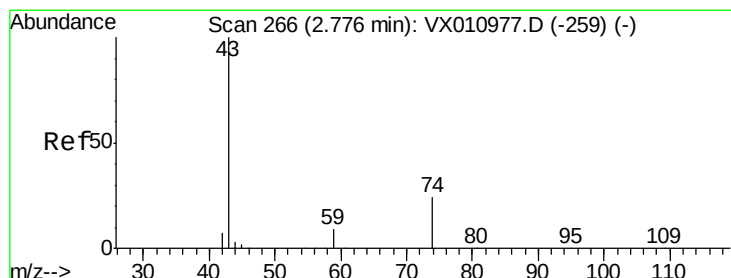
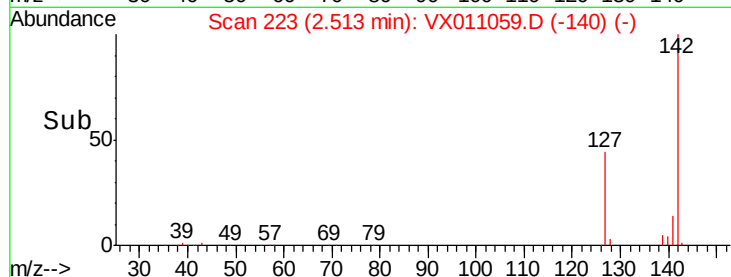
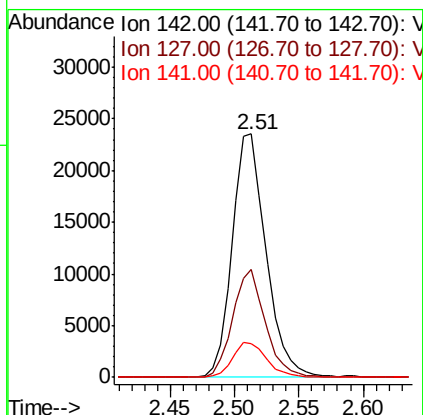
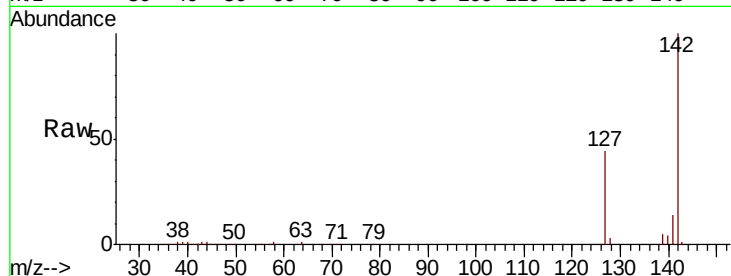




#11
Methvl Iodide
Concen: 15.722 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

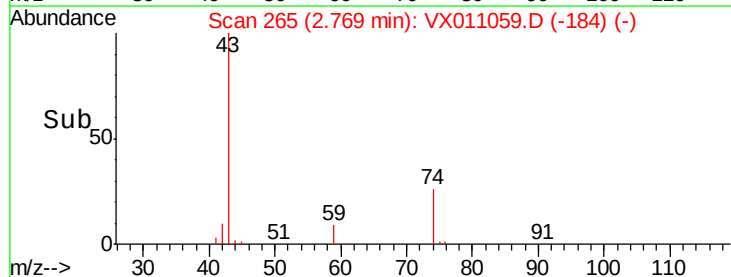
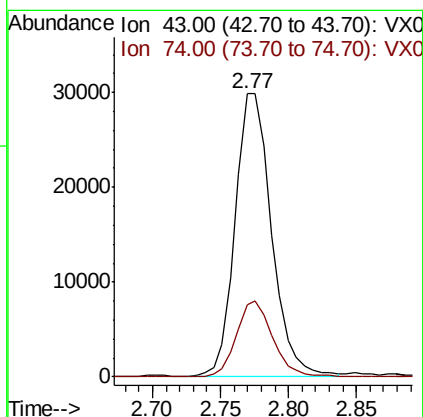
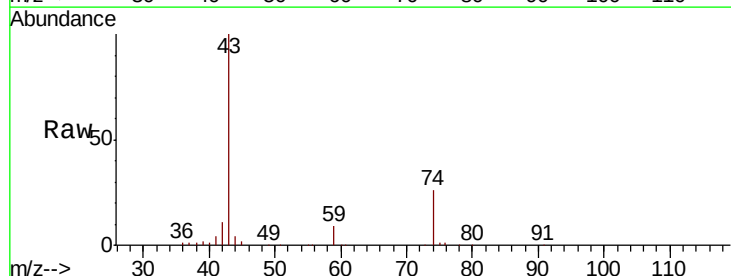
Instrument :
MSVOA_X
ClientSampleId :

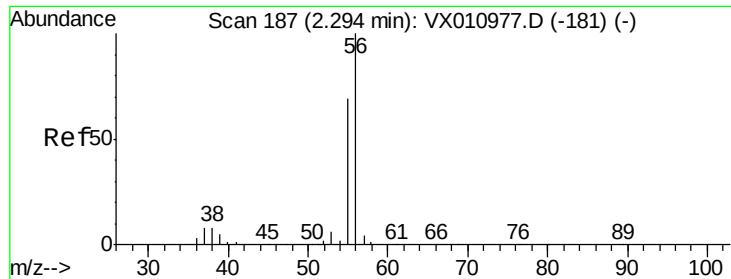
Tot Ion:142 Resp: 43089
Ion Ratio Lower Upper
142 100
127 44.3 20.7 62.1
141 14.1 6.7 20.0



#12
Methyl Acetate
Concen: 19.436 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion: 43 Resp: 55713
Ion Ratio Lower Upper
43 100
74 25.5 19.8 29.6





#13

Acrolein

Concen: 95.222 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

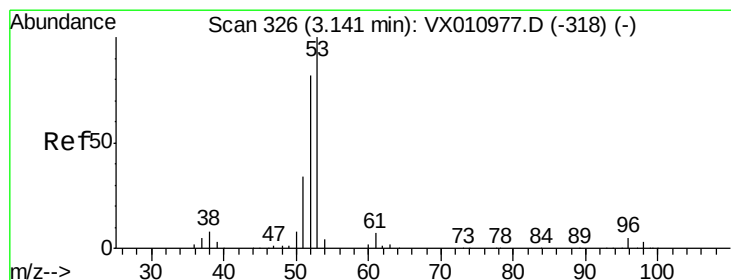
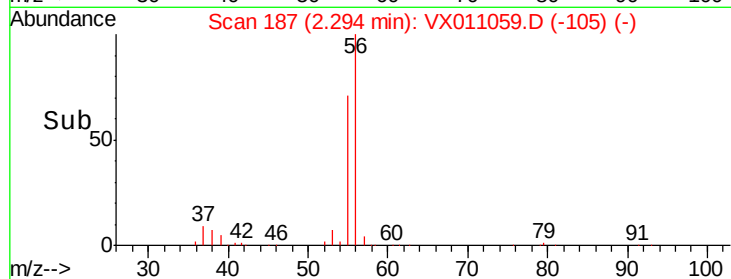
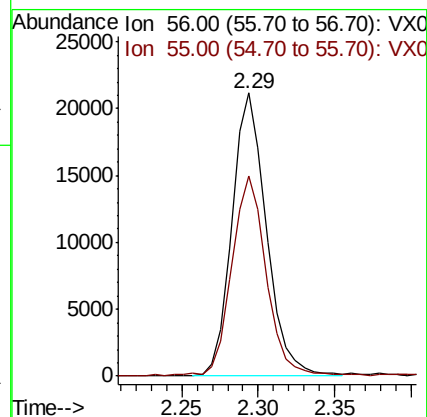
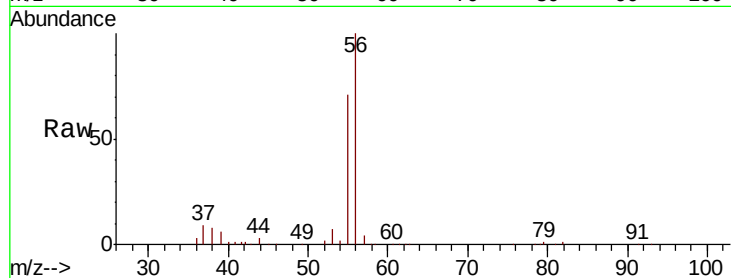
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 32727

Ion Ratio Lower Upper

56 100

55 69.9 56.1 84.1



#14

Acrylonitrile

Concen: 98.629 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

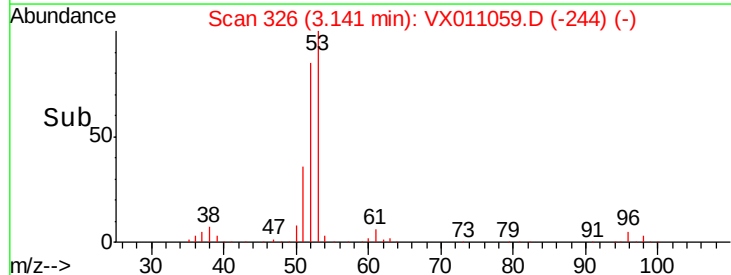
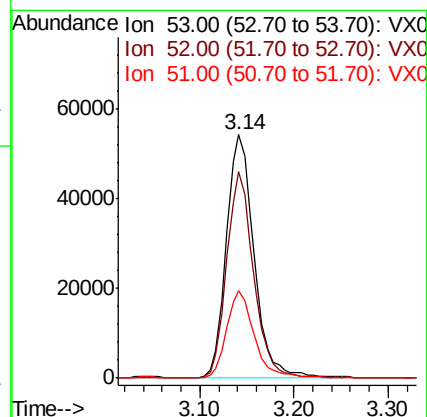
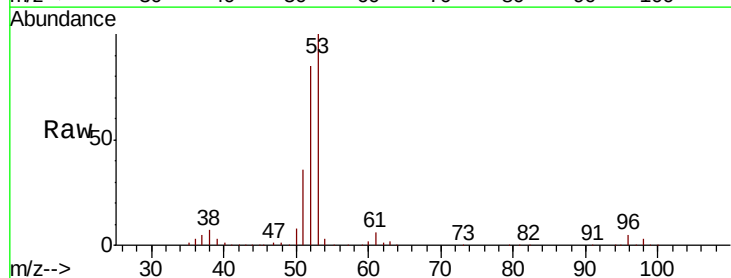
Tgt Ion: 53 Resp: 110650

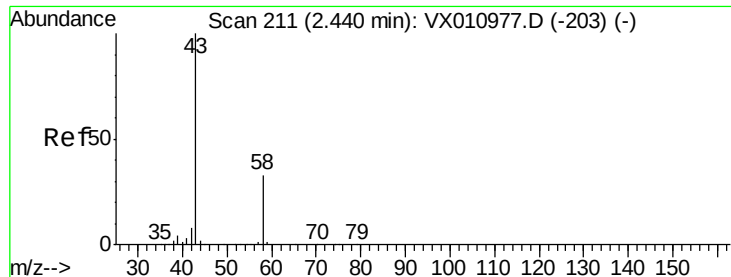
Ion Ratio Lower Upper

53 100

52 82.4 41.1 123.4

51 35.3 17.8 53.3





#15

Acetone

Concen: 107.118 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

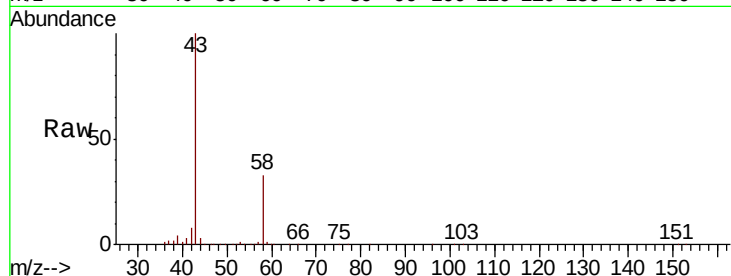
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 58 Resp: 33464

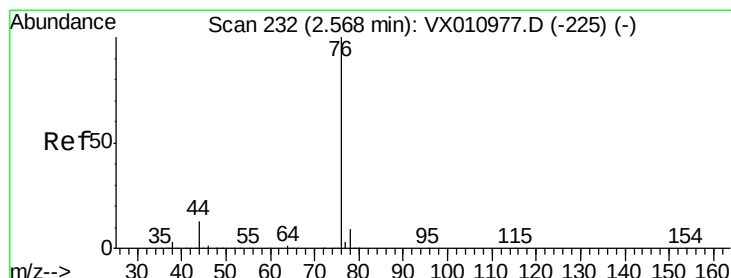
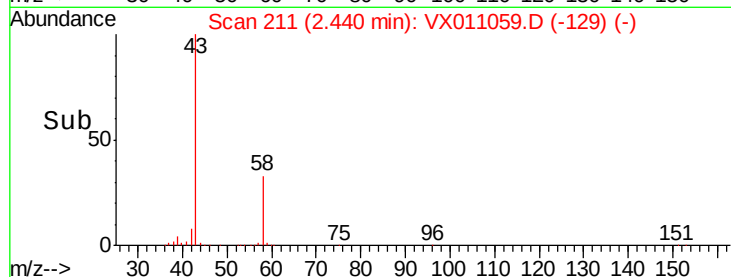
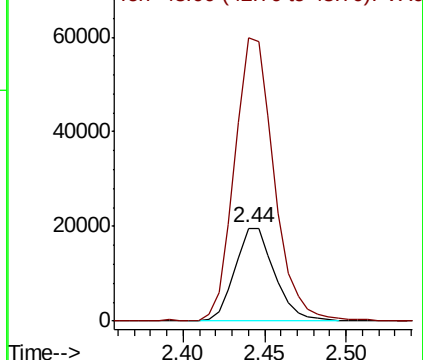
Ion Ratio Lower Upper

58 100

43 303.1 243.8 365.6



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



#16

Carbon Disulfide

Concen: 12.091 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011059.D

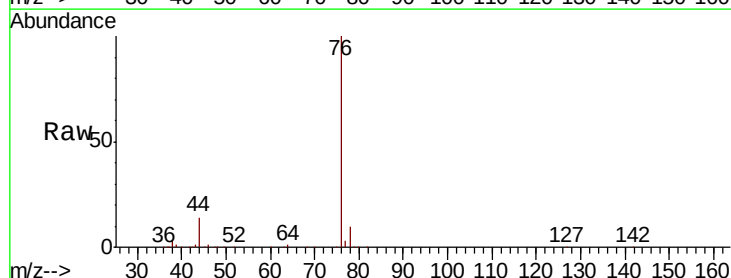
Acq: 24 Jul 2019 14:06

Tgt Ion: 76 Resp: 63407

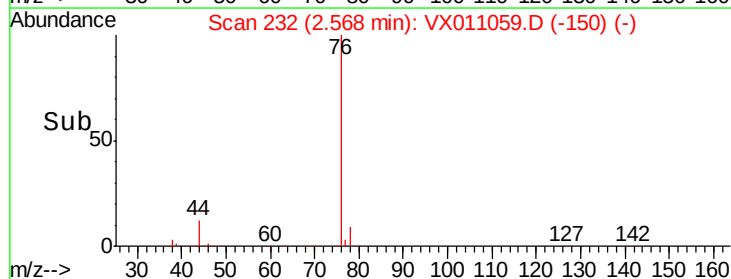
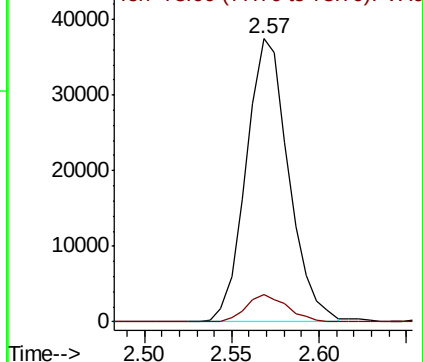
Ion Ratio Lower Upper

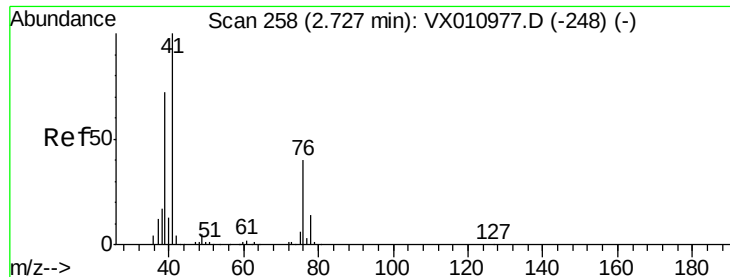
76 100

78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0

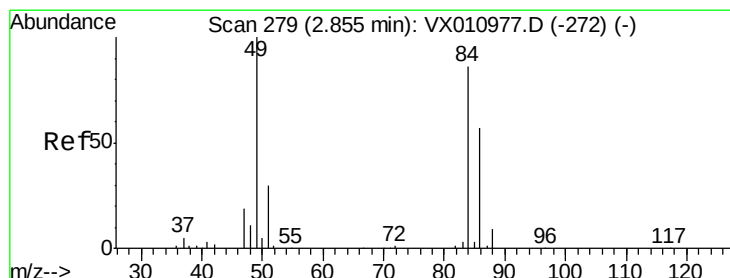
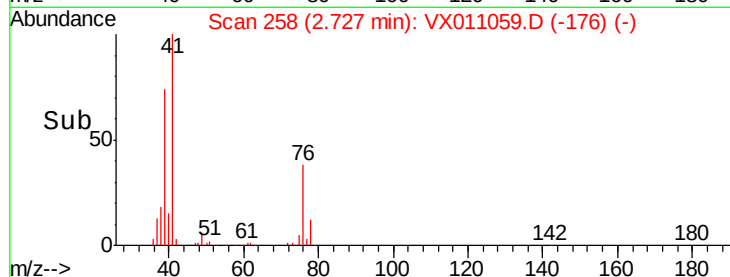
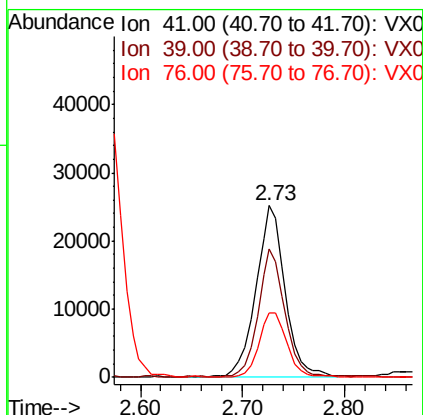
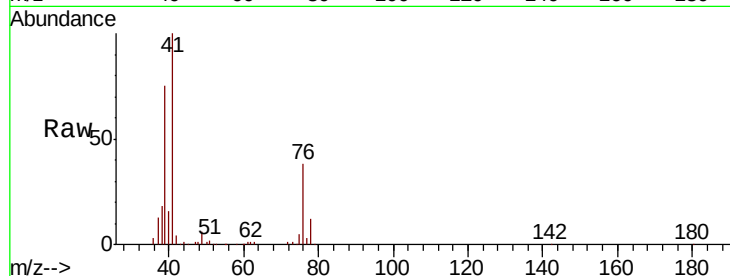




#17
Allvl chloride
Concen: 17.079 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

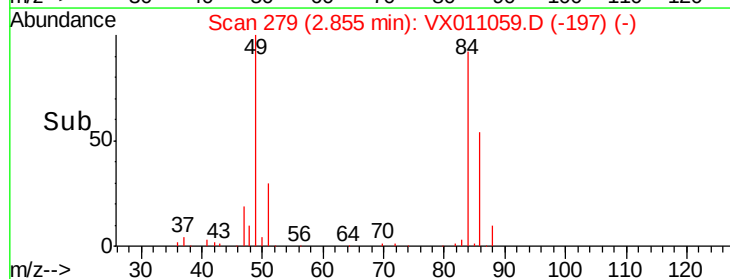
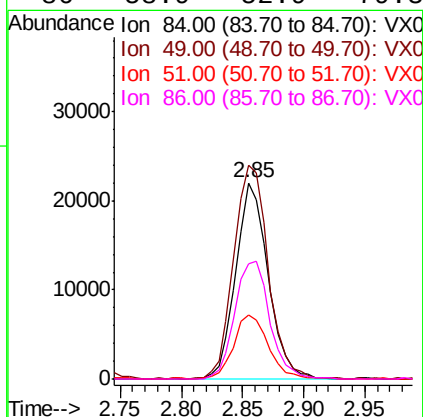
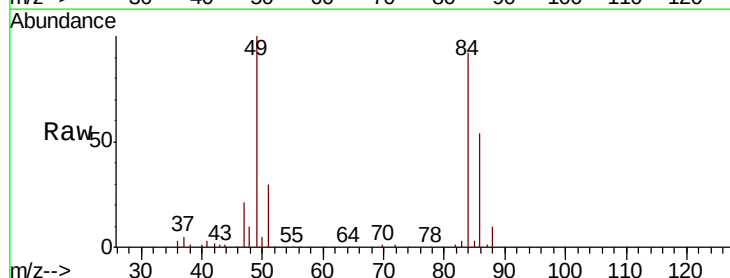
Instrument :
MSVOA_X
ClientSampleId :

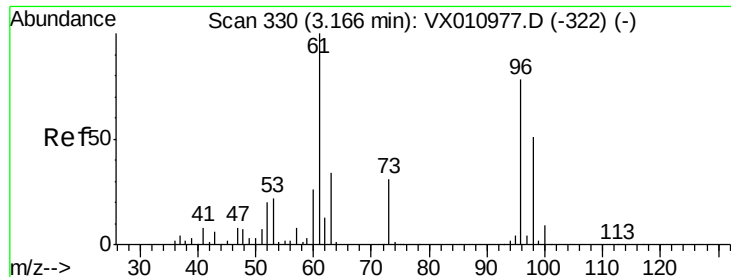
Tot Ion: 41 Resp: 50461
Ion Ratio Lower Upper
41 100
39 74.1 36.1 108.3
76 37.8 20.2 60.5



#18
Methylene Chloride
Concen: 17.848 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion: 84 Resp: 40561
Ion Ratio Lower Upper
84 100
49 108.8 93.2 139.8
51 32.3 28.6 42.8
86 58.9 52.9 79.3

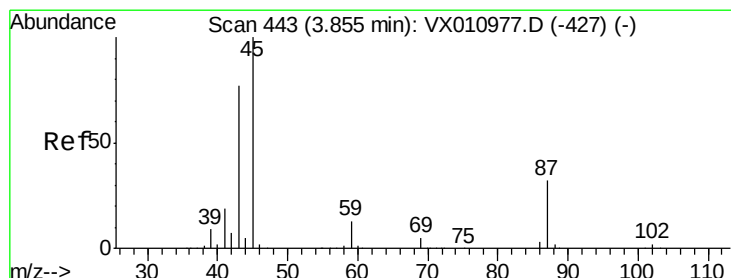
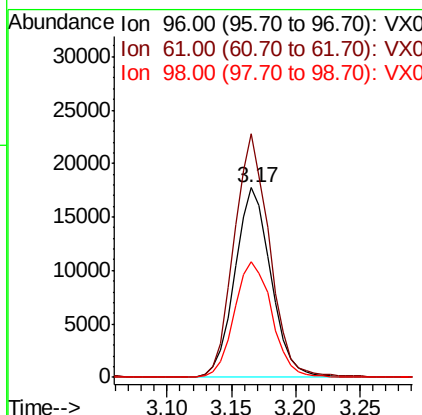
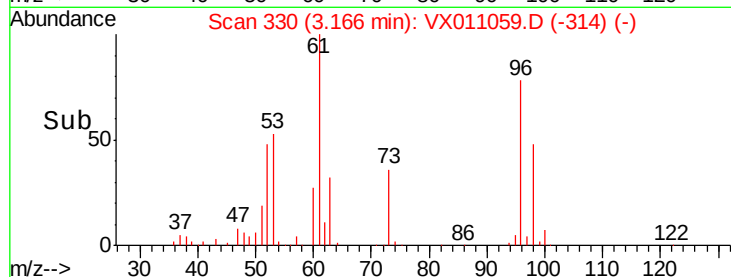
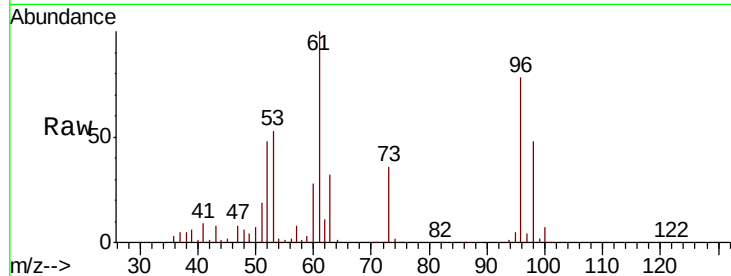




#19
trans-1,2-Dichloroethene
Concen: 15.970 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

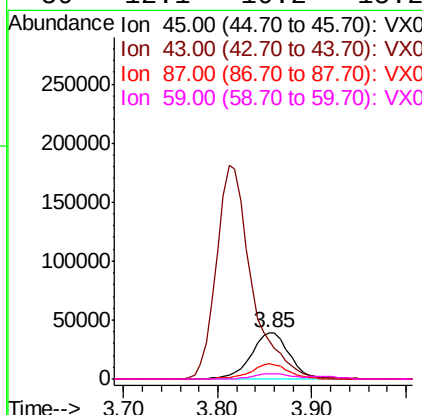
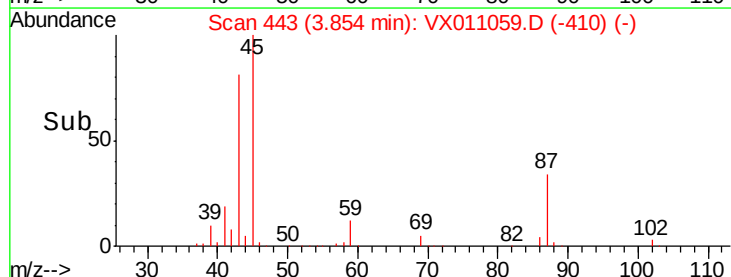
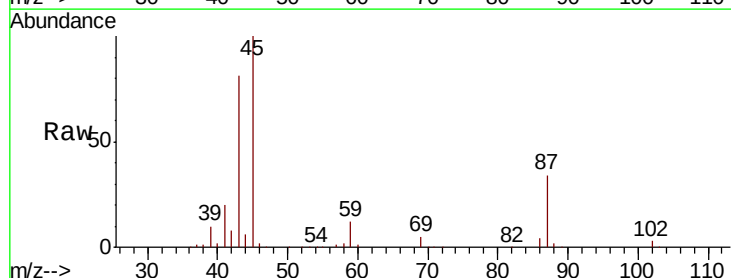
Instrument :
MSVOA_X
ClientSampleId :

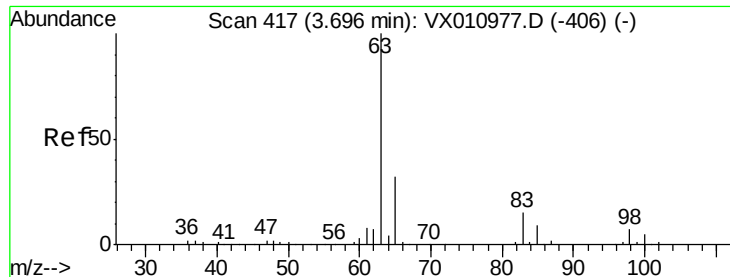
Tot Ion: 96 Resp: 34432
Ion Ratio Lower Upper
96 100
61 128.1 102.2 153.4
98 61.3 52.2 78.2



#20
Diisopropyl ether
Concen: 17.965 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion: 45 Resp: 112060
Ion Ratio Lower Upper
45 100
43 79.1 61.5 92.3
87 33.7 25.4 38.2
59 12.1 10.2 15.2





#21

1,1-Dichloroethane

Concen: 17.352 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :

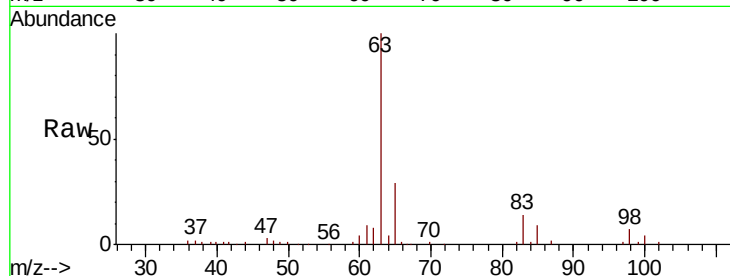
Tot Ion: 63 Resp: 62284

Ion Ratio Lower Upper

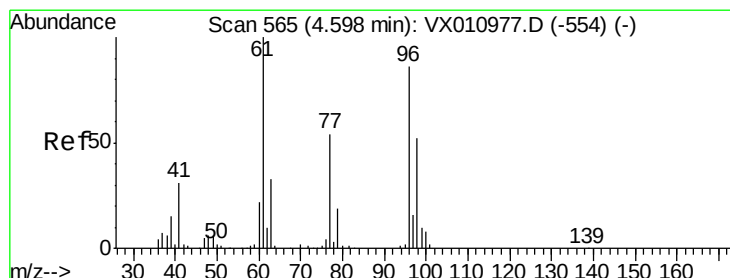
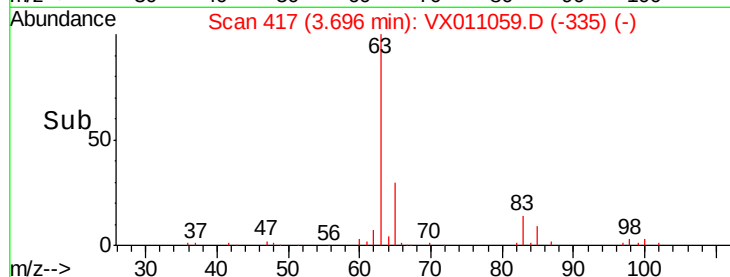
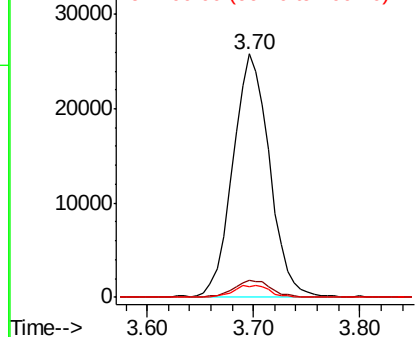
63 100

98 7.2 3.8 11.2

100 4.3 2.5 7.4



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 17.487 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

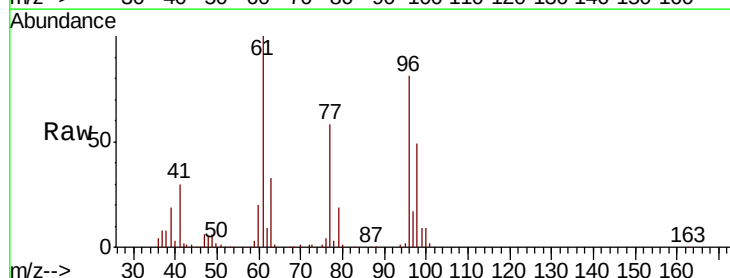
Tgt Ion: 96 Resp: 43360

Ion Ratio Lower Upper

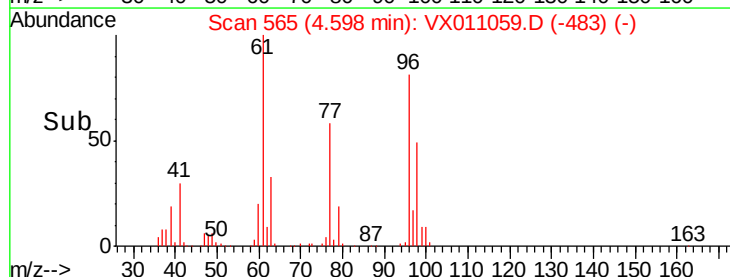
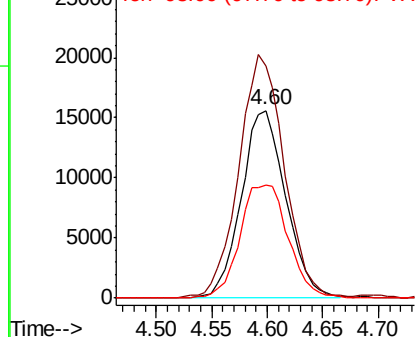
96 100

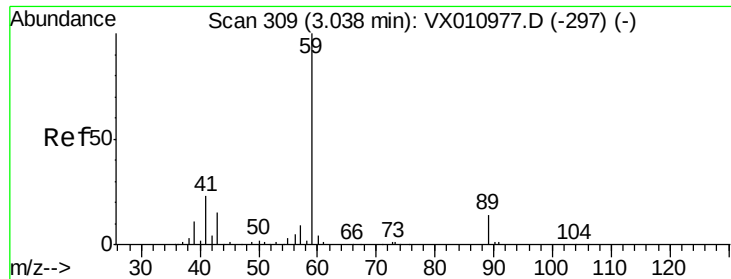
61 132.8 102.9 154.3

98 29.9 50.9 76.3#



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



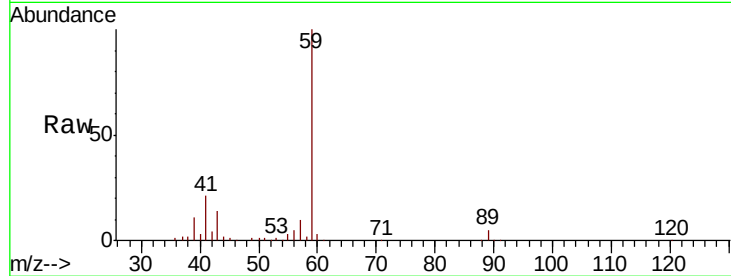


#23

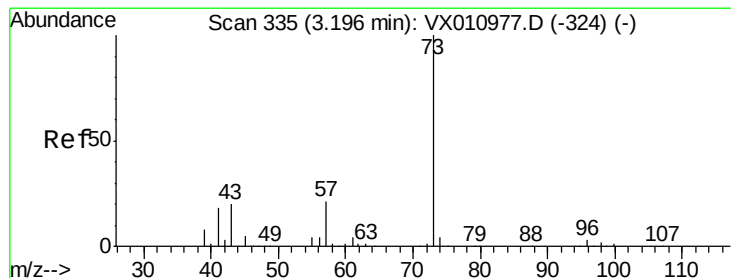
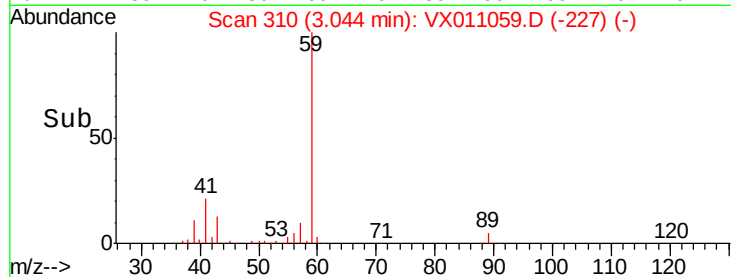
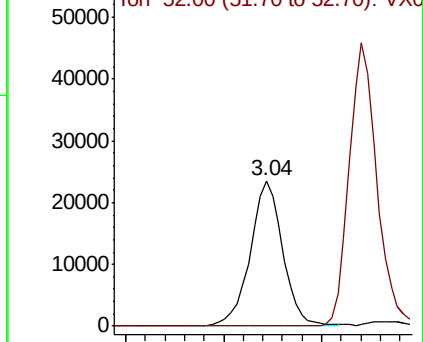
tert-Butyl Alcohol
 Concen: 92.746 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 59 Resp: 54326
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.4



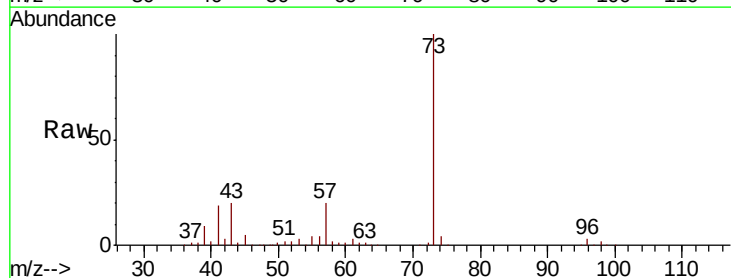
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0



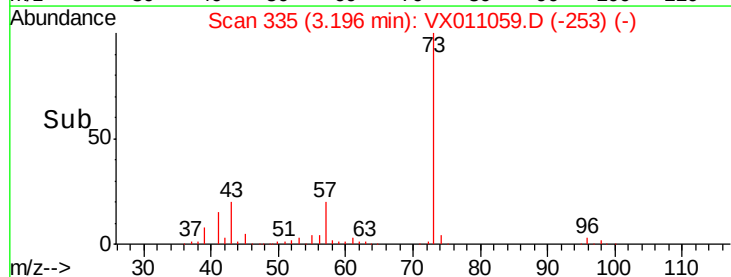
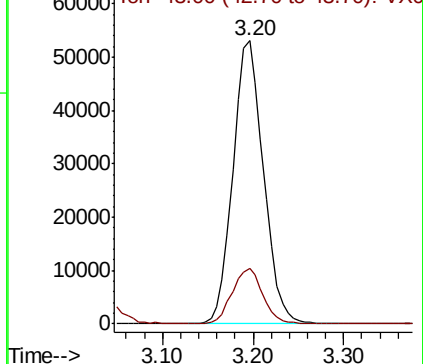
#24

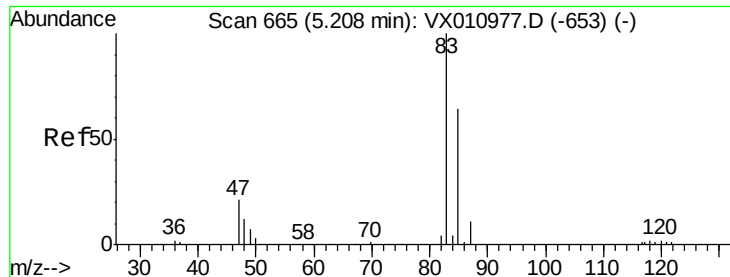
Methyl tert-Butyl Ether
 Concen: 18.915 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Tgt Ion: 73 Resp: 123926
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.8 23.6



Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 17.478 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

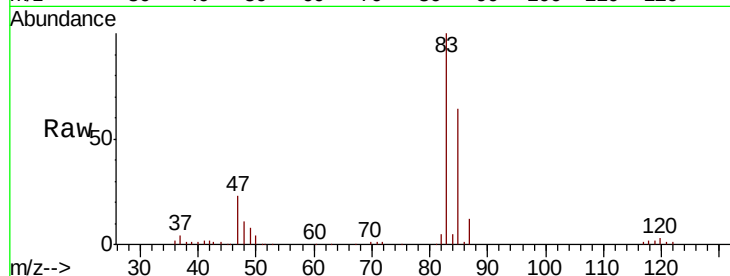
ClientSampleId :

Tot Ion: 83 Resp: 68715

Ion Ratio Lower Upper

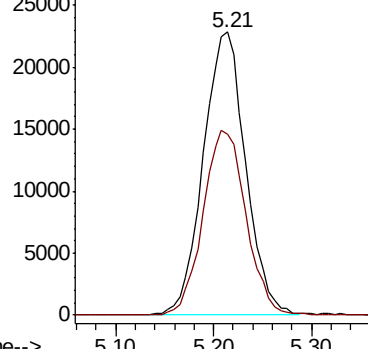
83 100

85 64.1 50.9 76.3

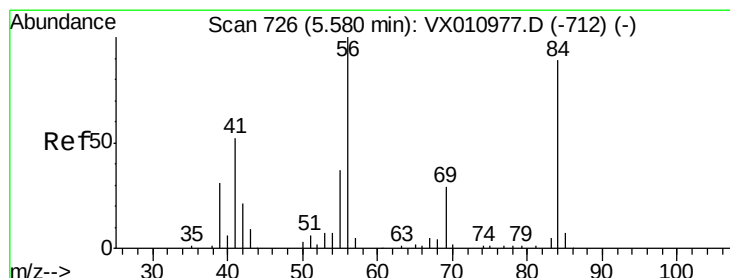
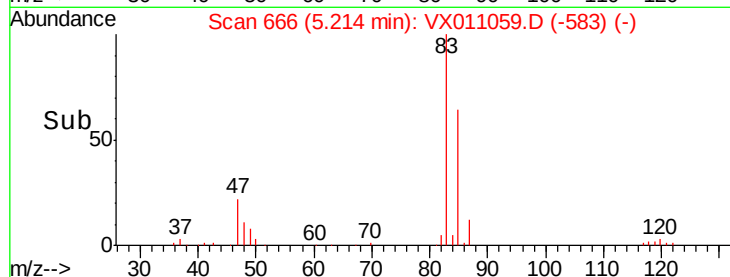


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



Time-->



#26

Cyclohexane

Concen: 11.226 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

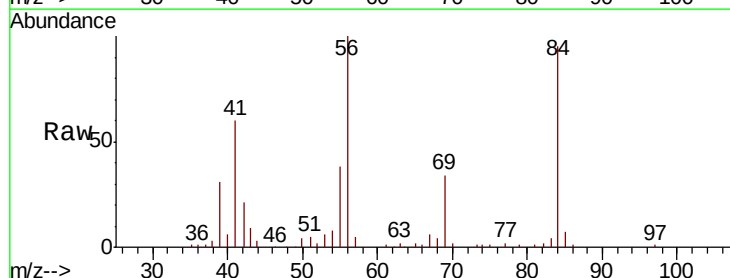
Tgt Ion: 56 Resp: 36873

Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

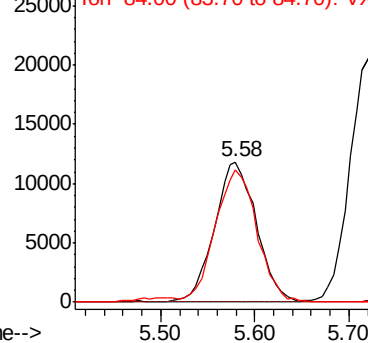
84 93.9 73.0 109.4



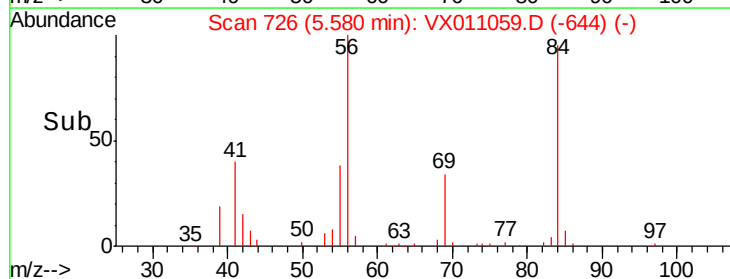
Abundance Ion 56.00 (55.70 to 56.70): VX0

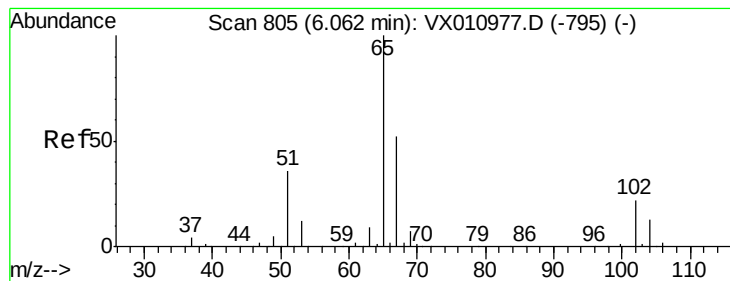
Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



Time-->





#27

1,2-Dichloroethane-d4

Concen: 29.282 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

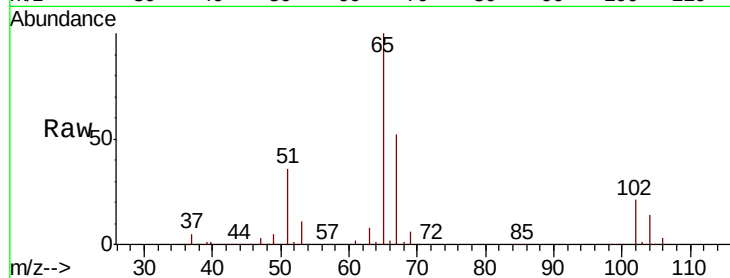
ClientSampleId :

Tot Ion: 65 Resp: 72444

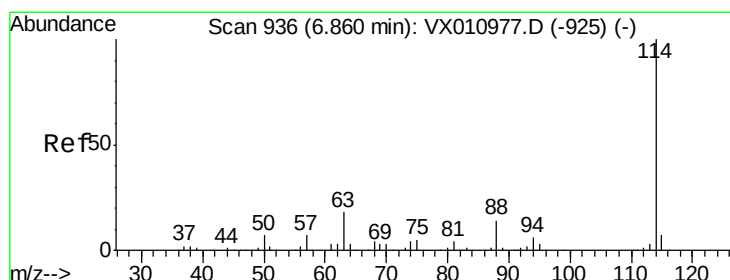
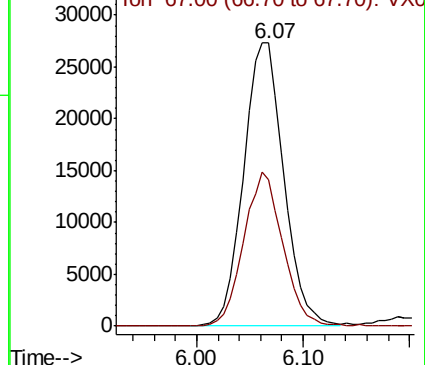
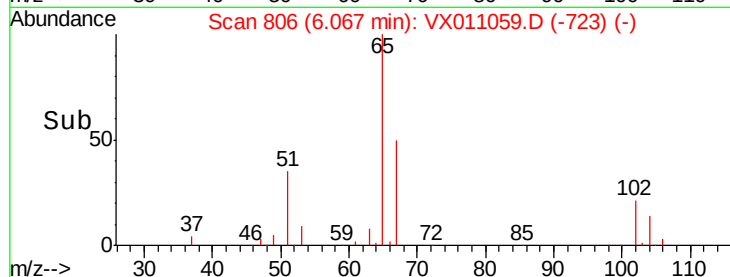
Ion Ratio Lower Upper

65 100

67 52.6 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VX011059.D (-723) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

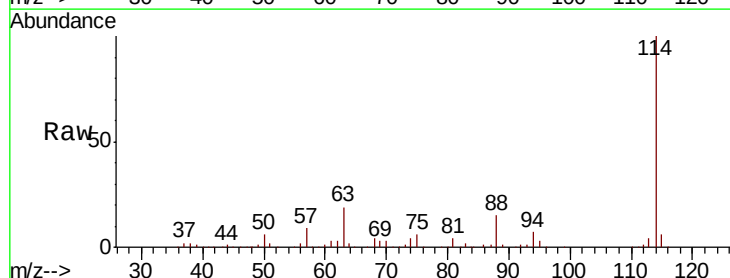
Tgt Ion: 114 Resp: 184378

Ion Ratio Lower Upper

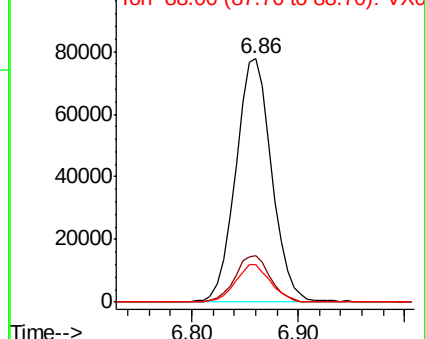
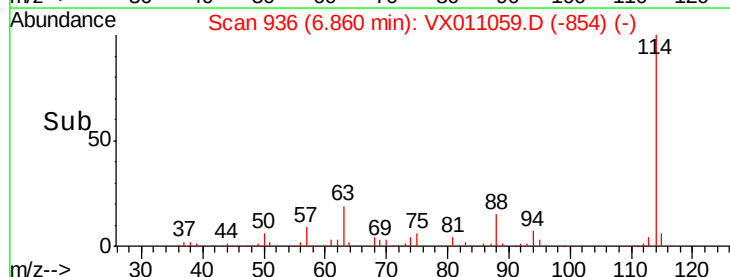
114 100

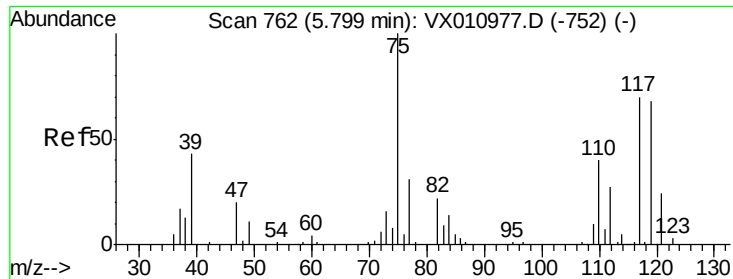
63 18.7 14.6 22.0

88 15.1 11.8 17.8



Abundance Ion 114.00 (113.70 to 114.70): VX011059.D (-854) (-)

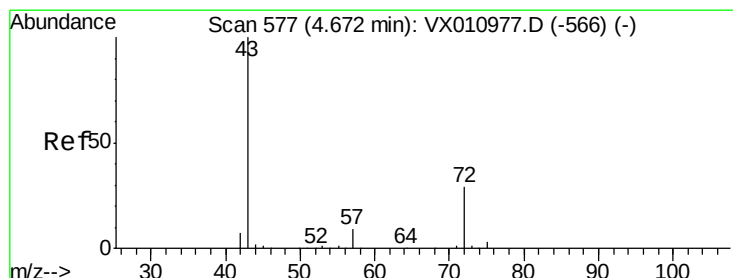
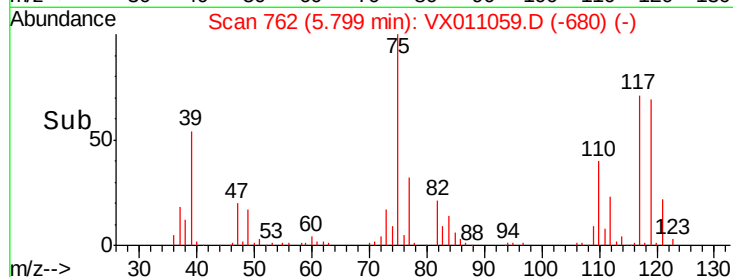
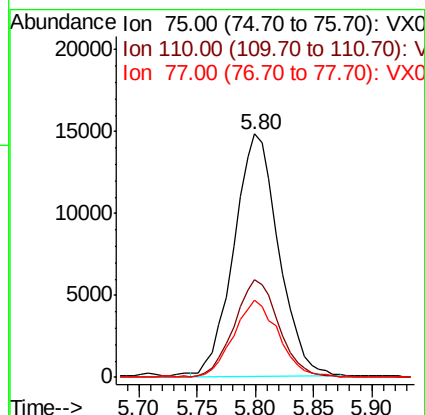
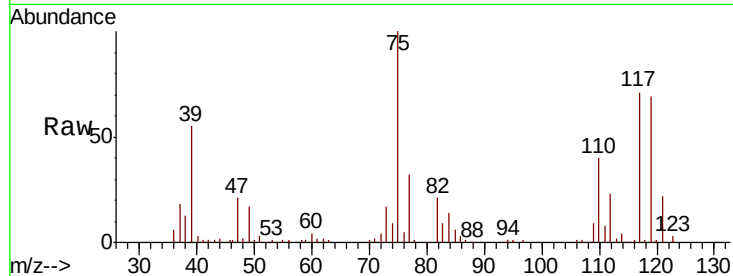




#29
 1,1-Dichloropropene
 Concen: 15.283 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

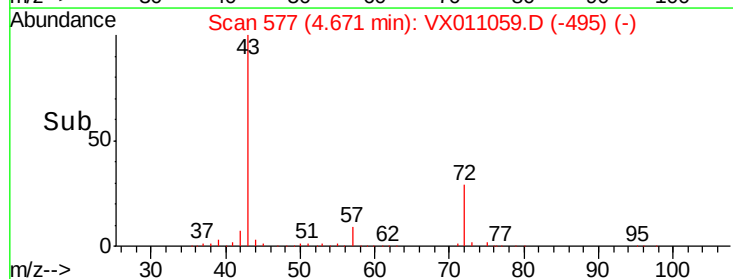
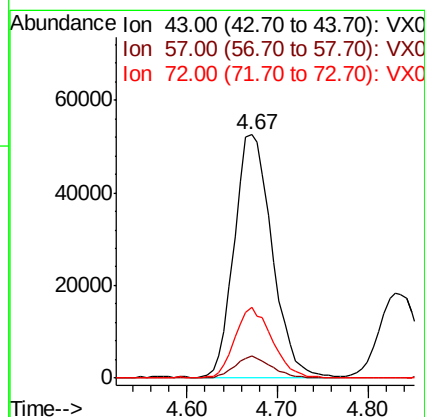
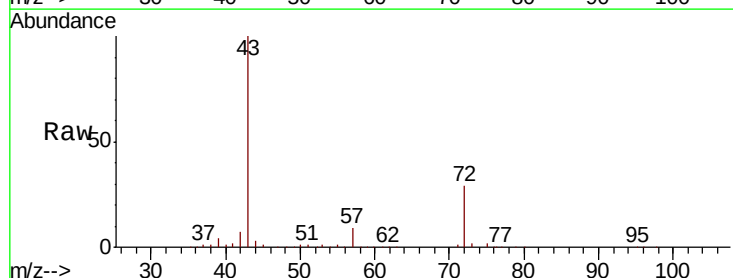
Instrument :
 MSVOA_X
 ClientSampled :

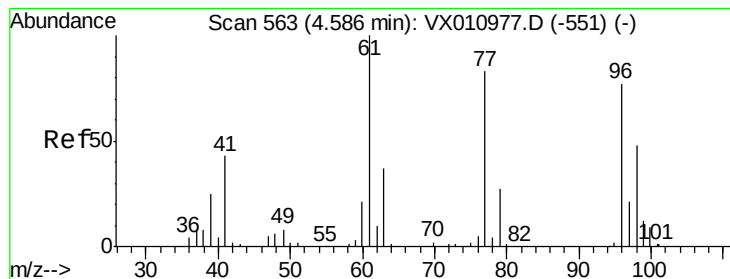
Tot Ion	Ratio	Lower	Upper
75	100		
110	39.9	0.0	79.8
77	32.2	0.0	62.2



#30
 2-Butanone
 Concen: 108.301 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	6.8	10.2
72	28.1	23.2	34.8





#31

2,2-Dichloropropane

Concen: 20.633 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

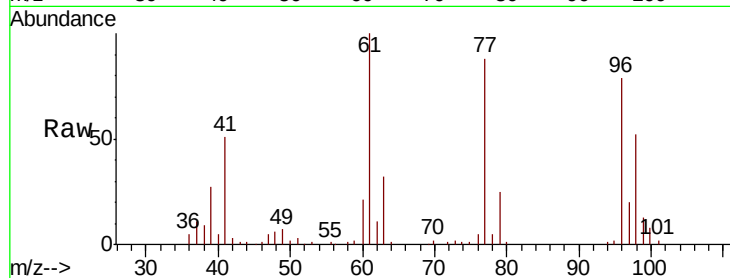
ClientSampleId :

Tot Ion: 77 Resp: 46699

Ion Ratio Lower Upper

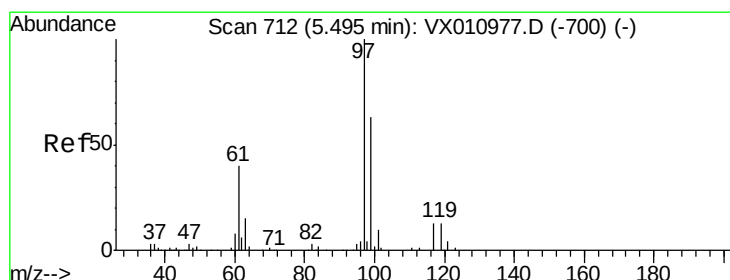
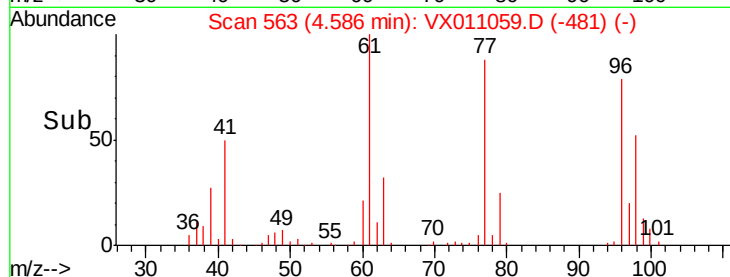
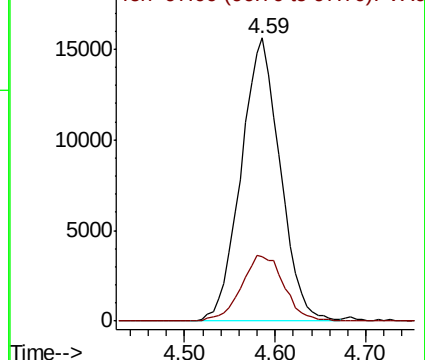
77 100

97 25.1 20.9 31.3



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 16.868 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

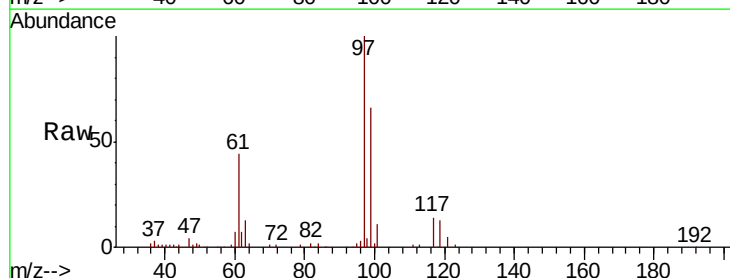
Tgt Ion: 97 Resp: 52743

Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.6

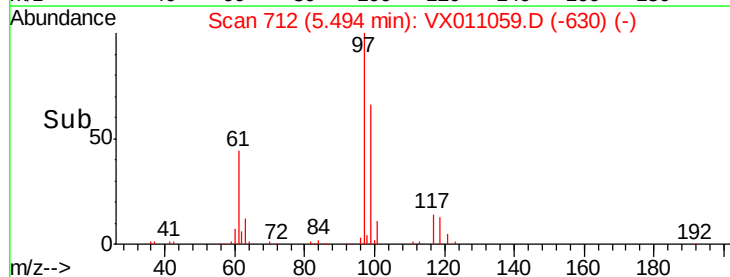
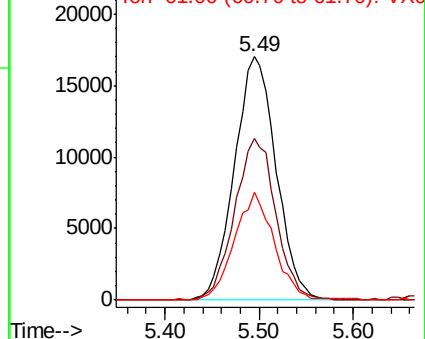
61 41.8 34.3 51.5

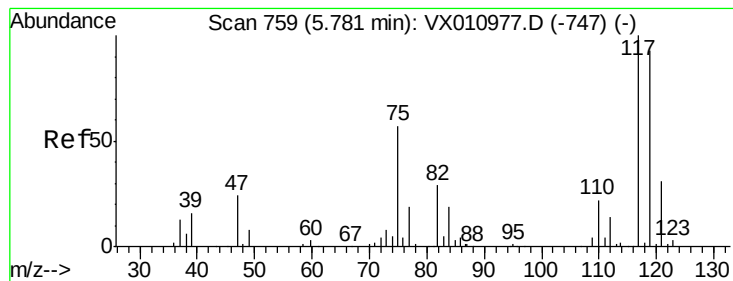


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 15.436 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

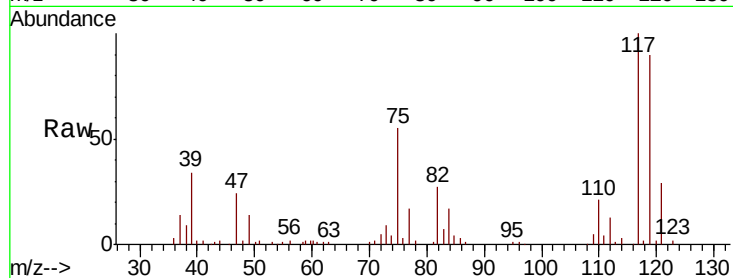
Tot Ion:117 Resp: 41964

Ion Ratio Lower Upper

117 100

119 89.8 74.3 111.5

121 29.0 24.9 37.3

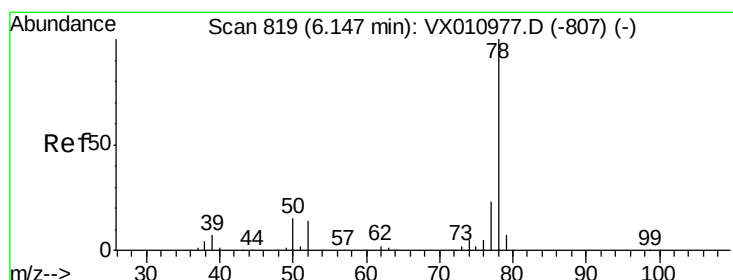
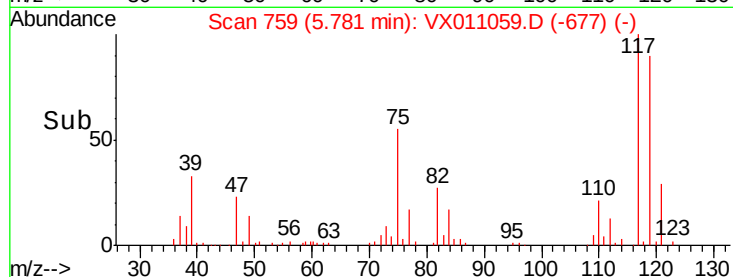
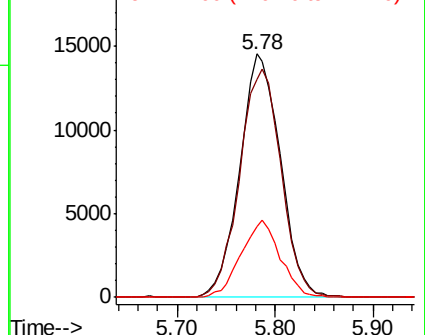


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 18.634 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

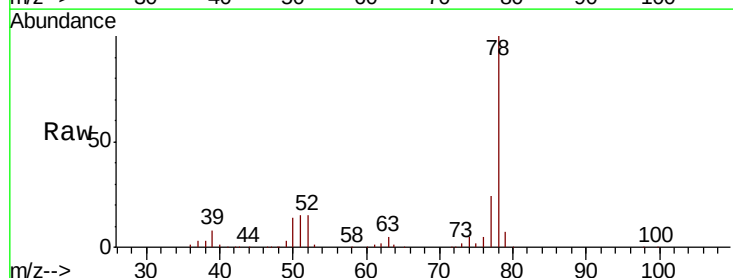
Tgt Ion: 78 Resp: 144931

Ion Ratio Lower Upper

78 100

77 24.2 18.2 27.4

51 13.3 11.4 17.2

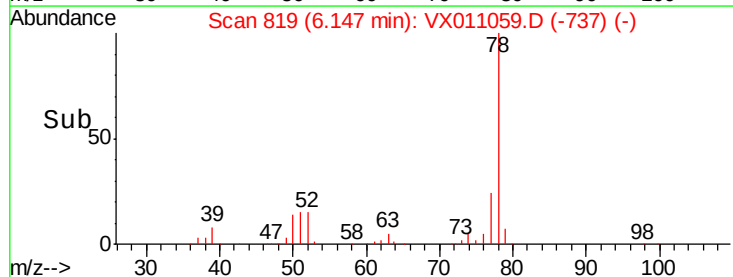
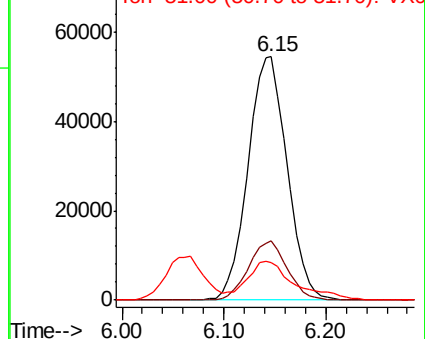


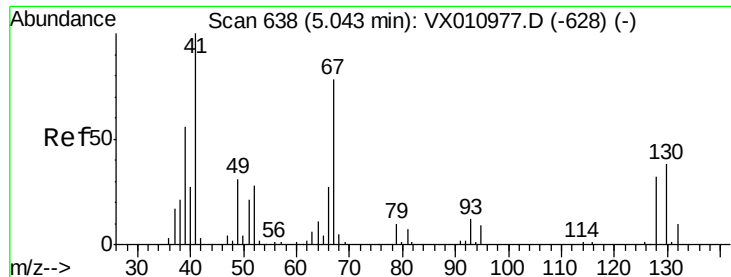
Abundance

Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

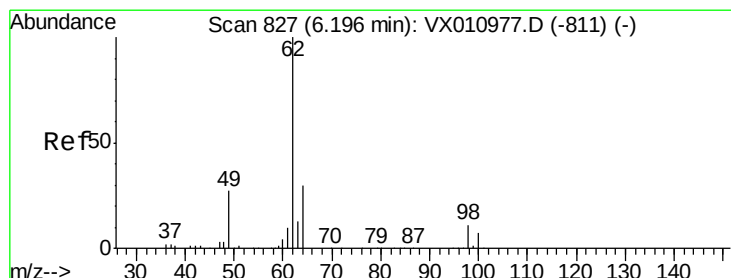
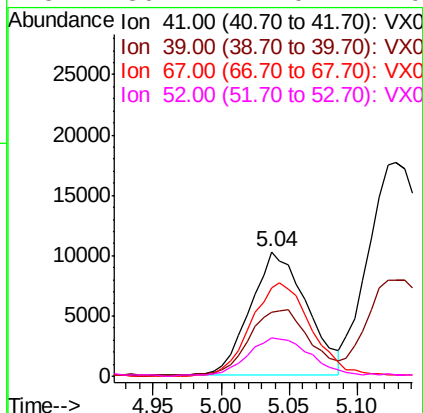
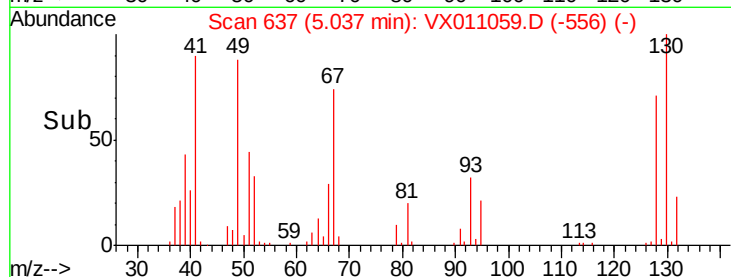
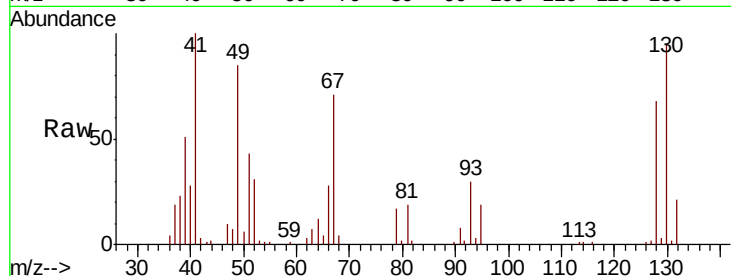




#35
Methacrylonitrile
Concen: 20.384 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

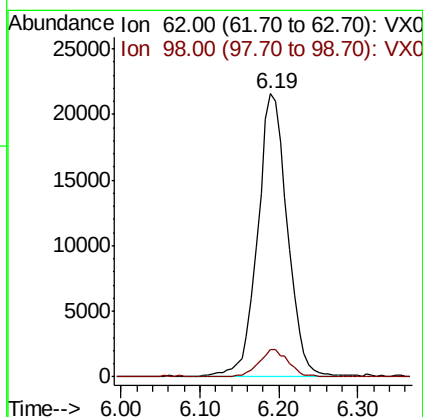
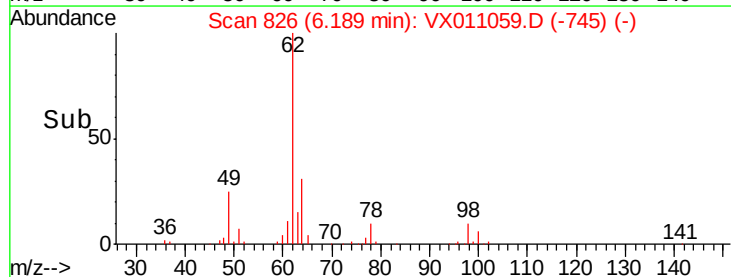
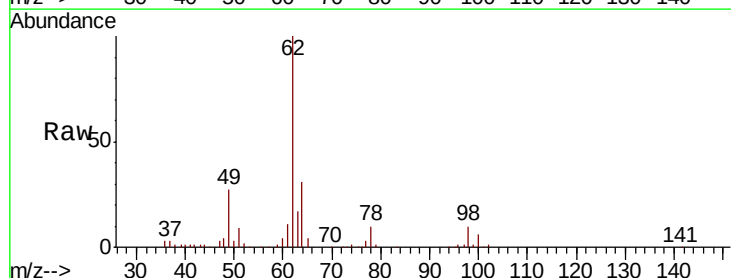
Instrument :
MSVOA_X
ClientSampled :

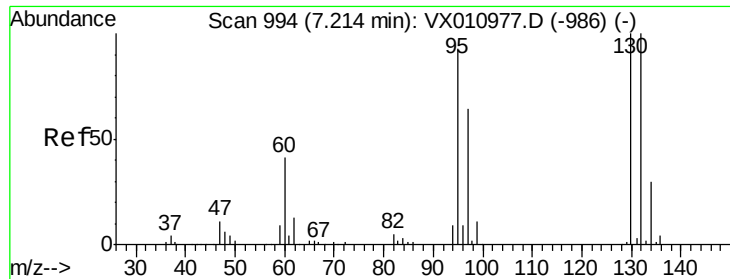
Tot Ion: 41 Resp: 29701
Ion Ratio Lower Upper
41 100
39 50.0 27.6 82.8
67 71.3 39.1 117.2
52 30.4 14.0 42.0



#36
1,2-Dichloroethane
Concen: 20.436 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion: 62 Resp: 56833
Ion Ratio Lower Upper
62 100
98 9.4 8.0 12.0





#37

Trichloroethene

Concen: 17.714 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

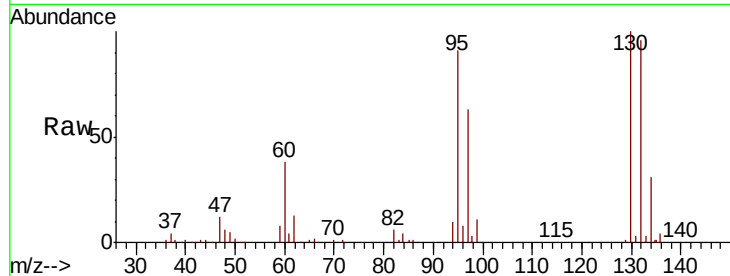
ClientSampleId :

Tot Ion:130 Resp: 40336

Ion Ratio Lower Upper

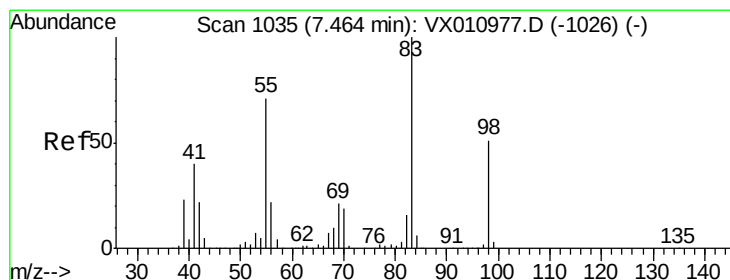
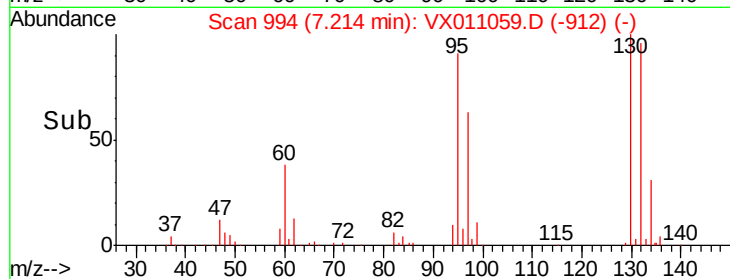
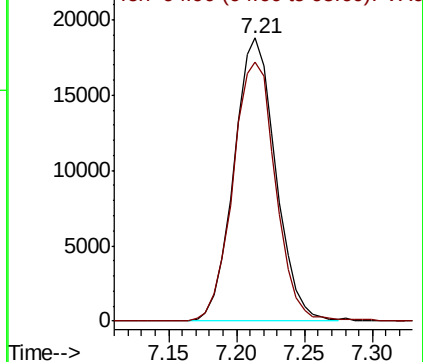
130 100

95 91.1 74.1 111.1



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 11.731 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

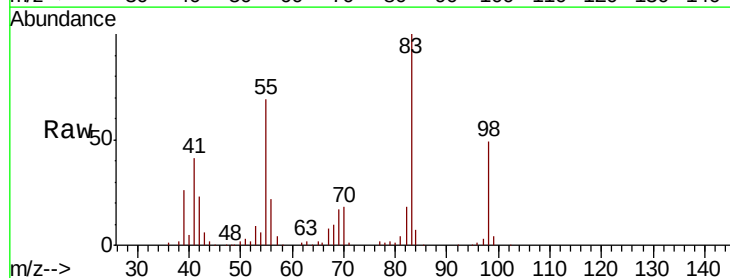
Tgt Ion: 83 Resp: 38390

Ion Ratio Lower Upper

83 100

55 69.5 35.3 105.9

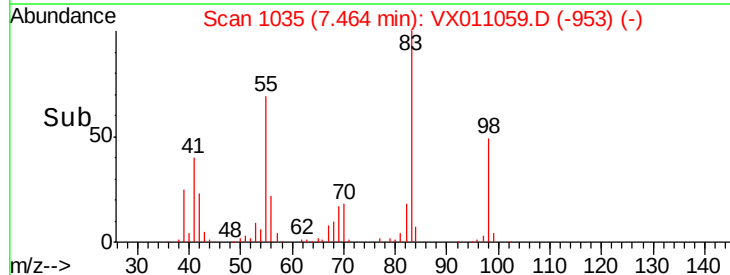
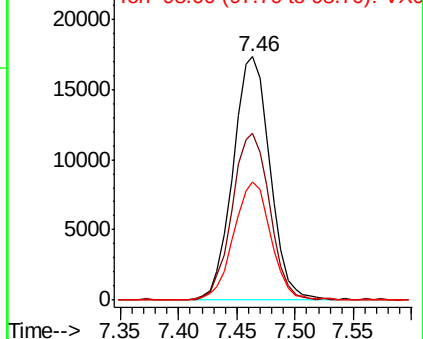
98 48.9 24.0 72.0

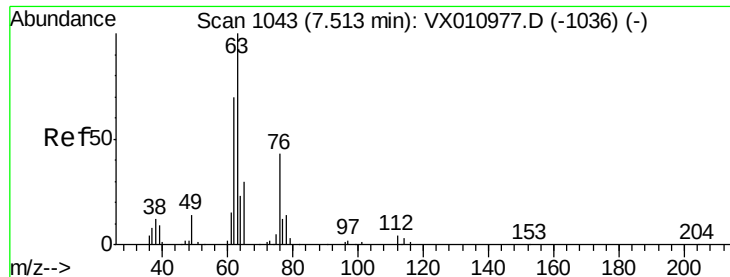


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 19.828 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

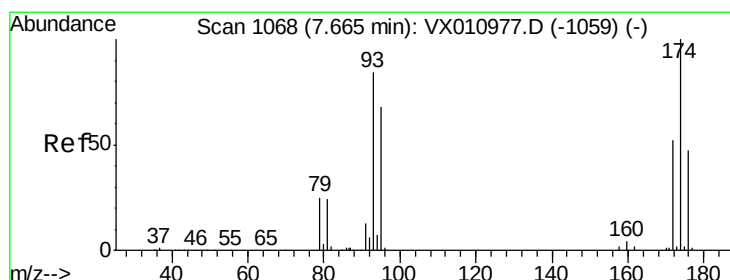
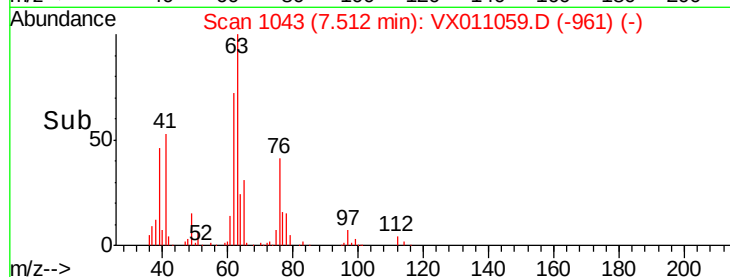
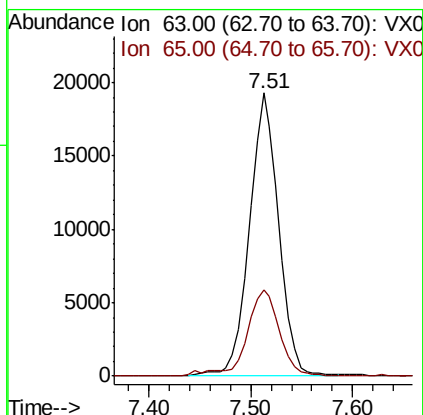
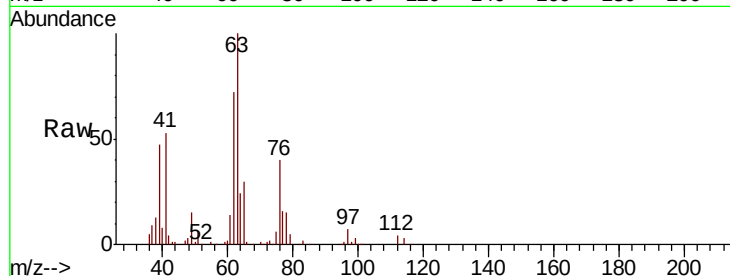
ClientSampleId :

Tot Ion: 63 Resp: 38548

Ion Ratio Lower Upper

63 100

65 30.5 25.6 38.4



#40

Dibromomethane

Concen: 19.977 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

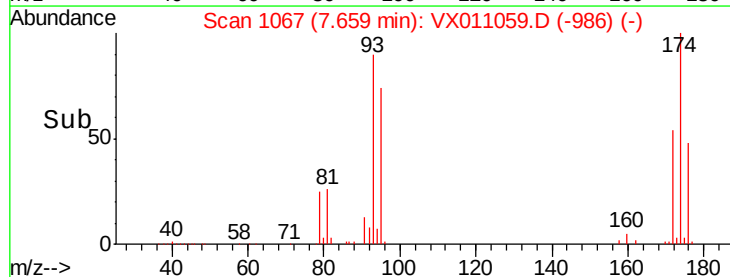
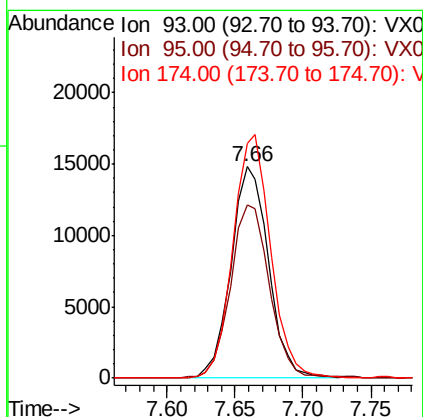
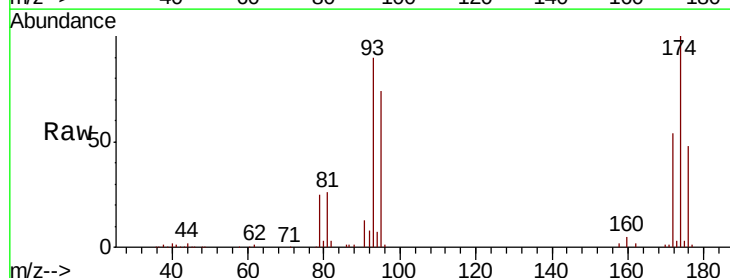
Tgt Ion: 93 Resp: 28565

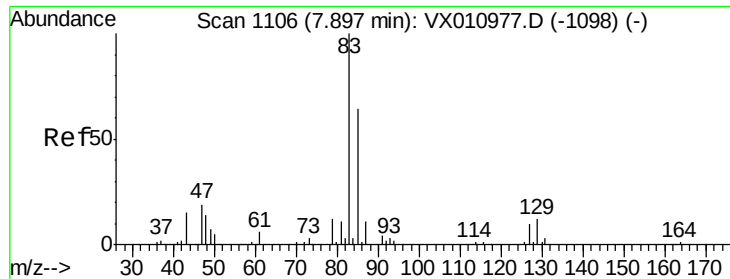
Ion Ratio Lower Upper

93 100

95 83.2 0.0 166.0

174 114.8 0.0 229.2





#41

Bromodichloromethane

Concen: 19.782 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

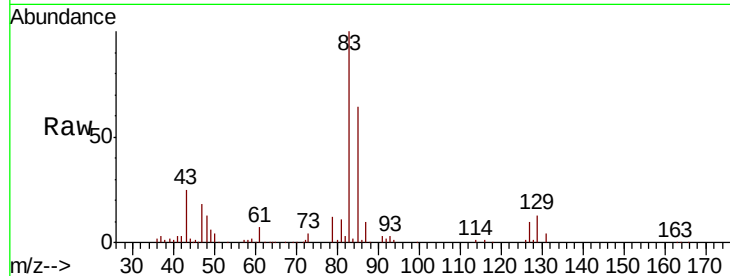
Tot Ion: 83 Resp: 51484

Ion Ratio Lower Upper

83 100

85 63.7 50.9 76.3

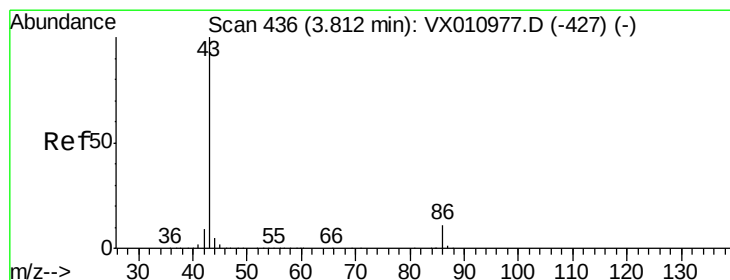
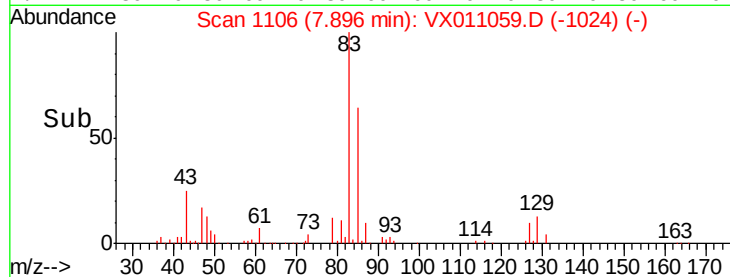
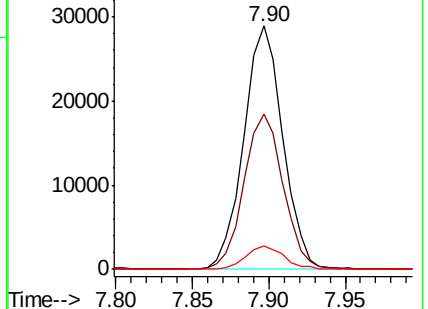
127 9.6 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 102.630 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX011059.D

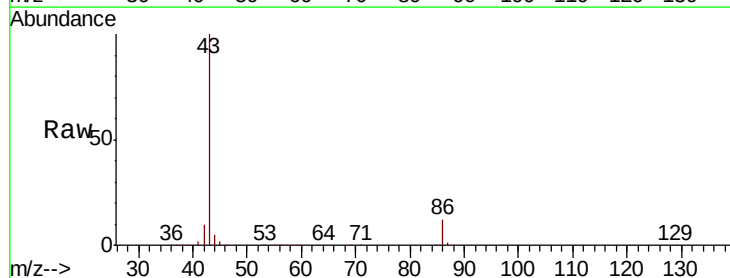
Acq: 24 Jul 2019 14:06

Tgt Ion: 43 Resp: 473258

Ion Ratio Lower Upper

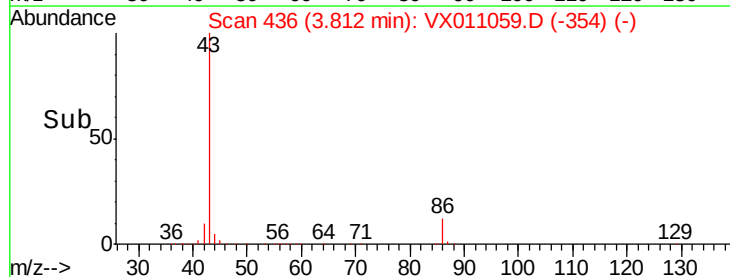
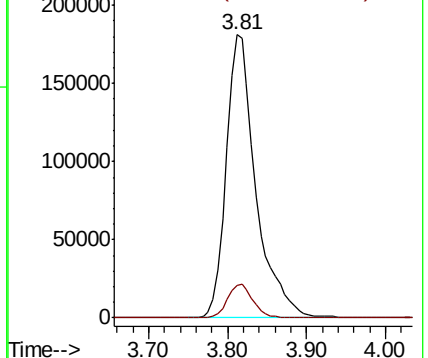
43 100

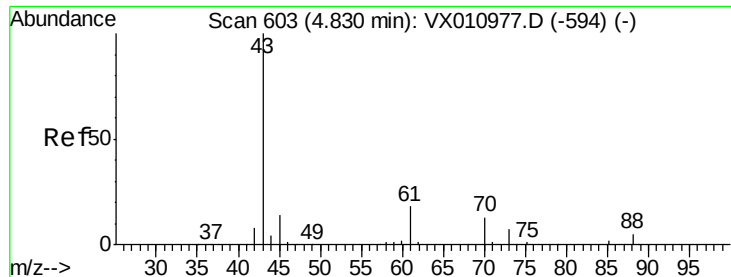
86 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

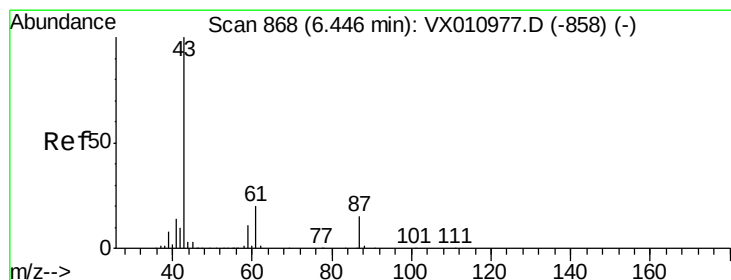
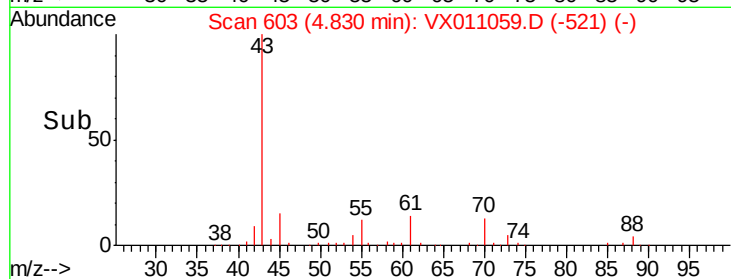
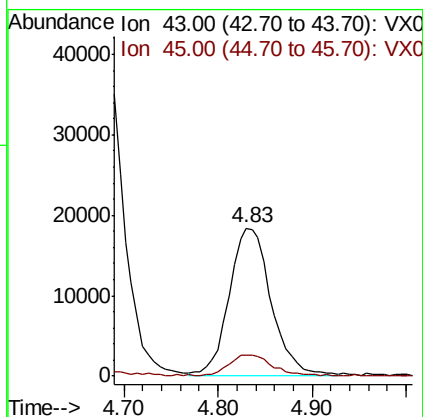
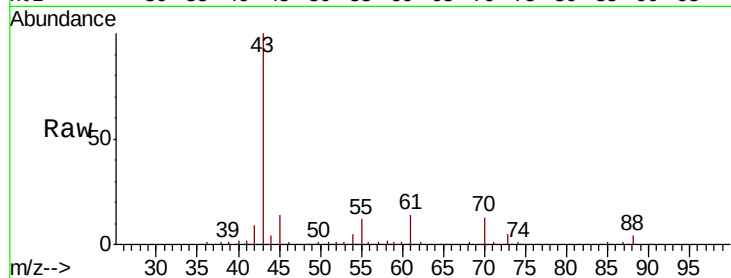




#43
Ethyl Acetate
Concen: 20.934 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

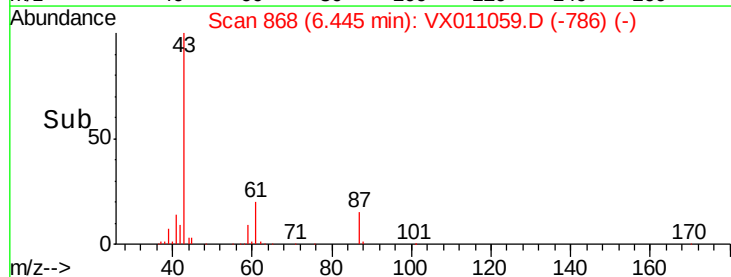
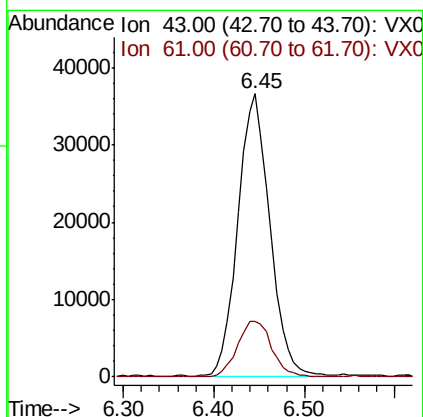
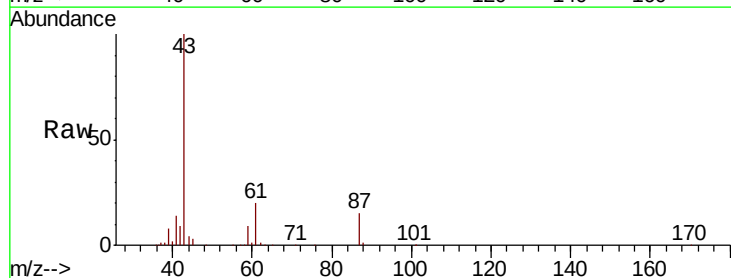
Instrument :
MSVOA_X
ClientSampleId :

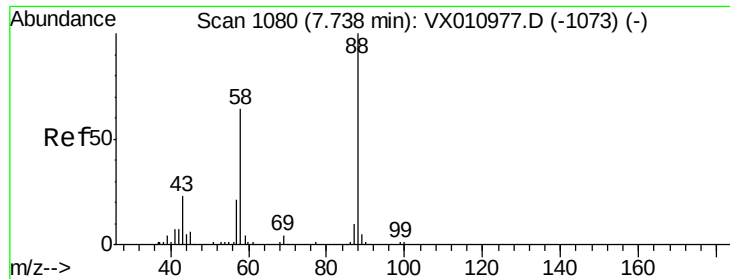
Tot Ion: 43 Resp: 56244
Ion Ratio Lower Upper
43 100
45 15.5 12.1 18.1



#44
Isopropyl Acetate
Concen: 20.346 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion: 43 Resp: 89033
Ion Ratio Lower Upper
43 100
61 21.3 16.7 25.1





#45

1,4-Dioxane

Concen: 428.341 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

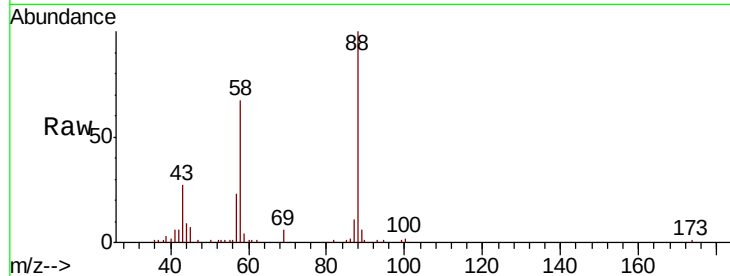
Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 24397

Ion	Ratio	Lower	Upper
88	100		
43	28.2	21.6	32.4
58	64.6	52.2	78.2

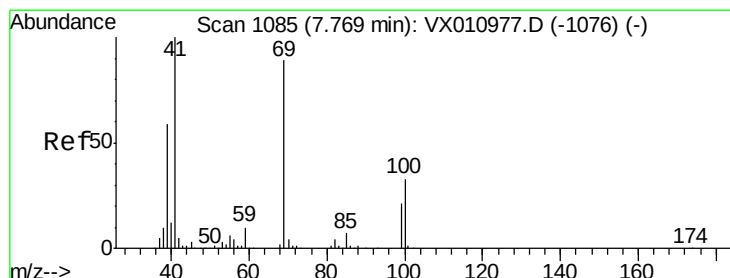
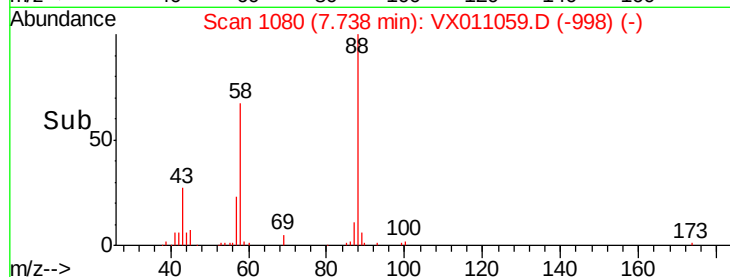
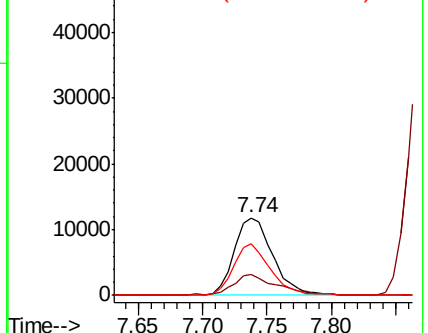


Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 20.239 ug/l

RT: 7.77 min Scan# 1085

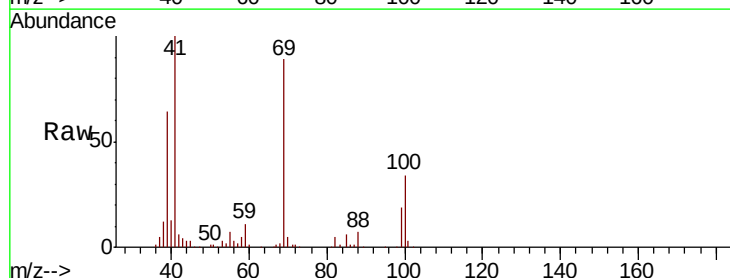
Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Tgt Ion: 41 Resp: 42988

Ion	Ratio	Lower	Upper
41	100		
69	89.9	44.7	134.1
39	63.2	29.4	88.2

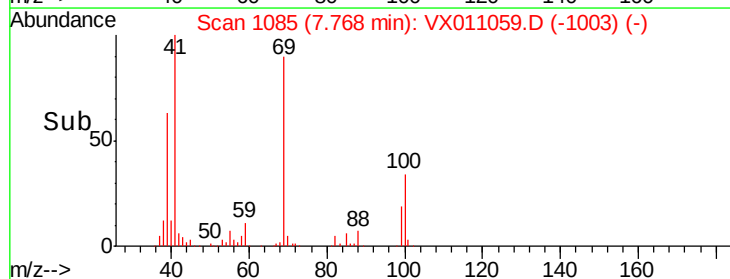
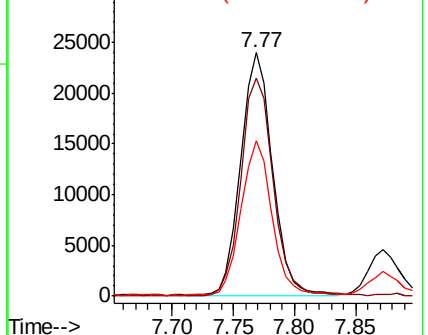


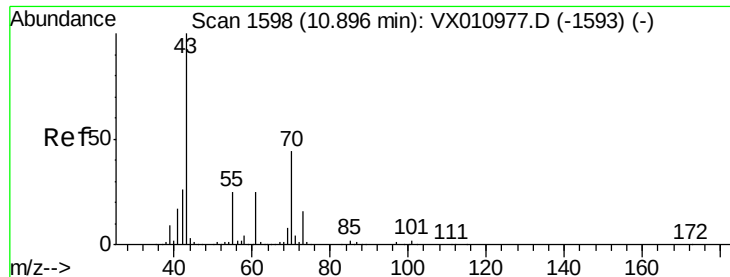
Abundance

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





#47

n-amvl Acetate

Concen: 19.822 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

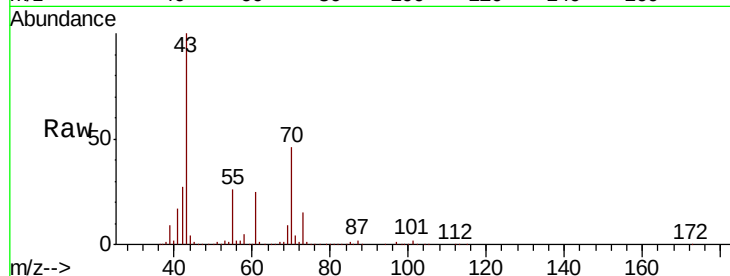
ClientSampleId :

Tot Ion: 43 Resp: 77795

Ion Ratio Lower Upper

43 100

55 24.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

80000

60000

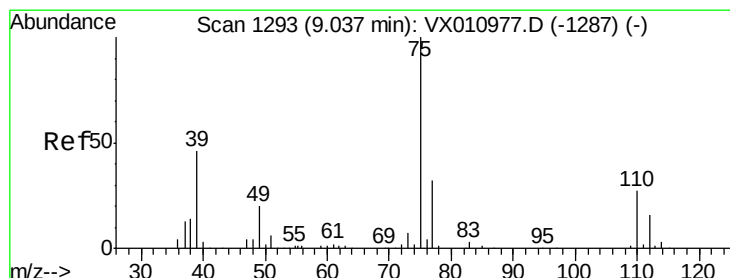
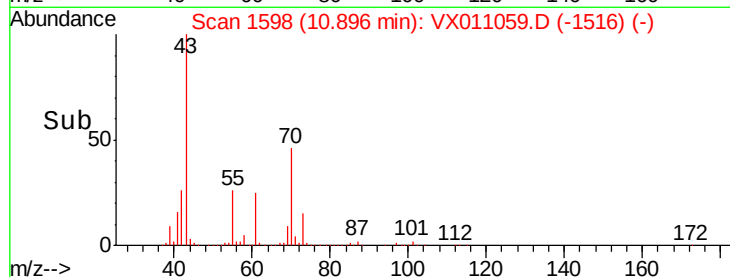
40000

20000

0

10.85 10.90 10.95

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.740 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011059.D

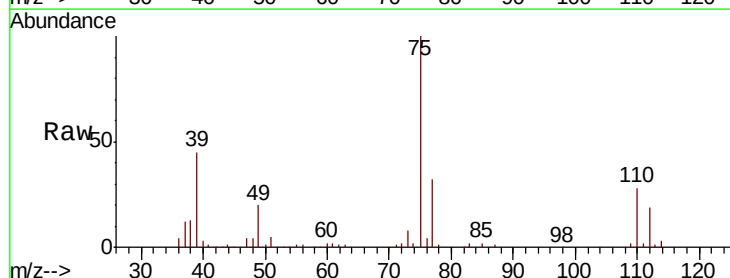
Acq: 24 Jul 2019 14:06

Tgt Ion: 75 Resp: 54145

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

40000

30000

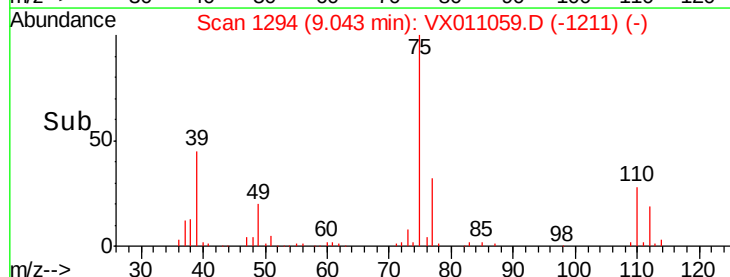
20000

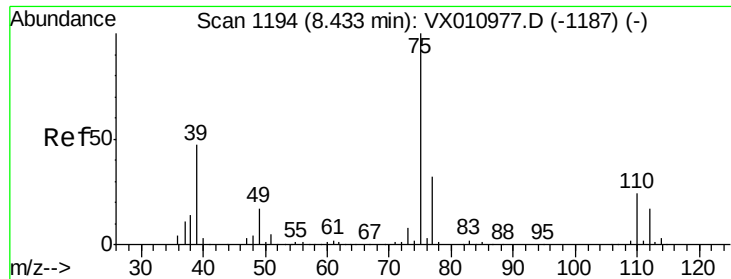
10000

0

8.95 9.00 9.05 9.10 9.15

Time-->



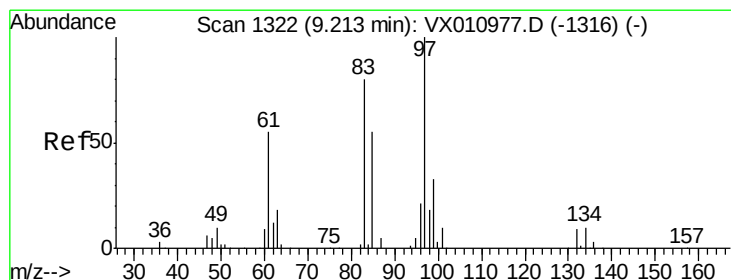
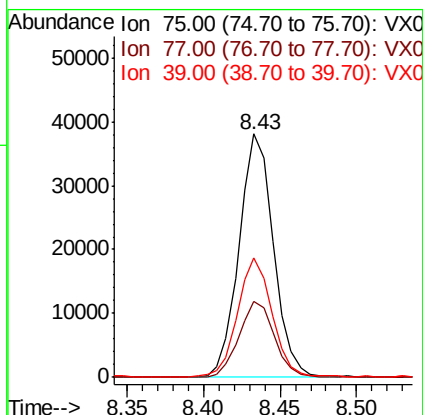
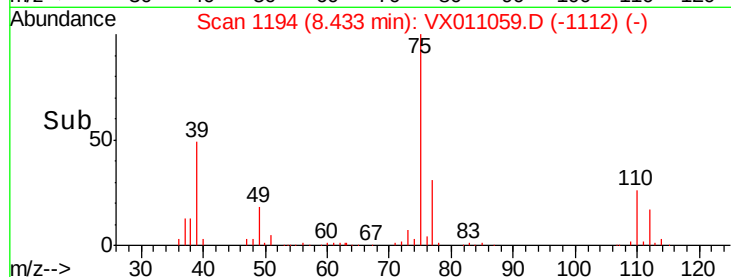
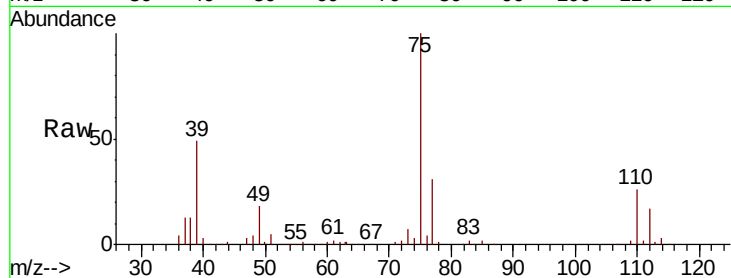


#49

cis-1,3-Dichloropropene
Concen: 19.917 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :

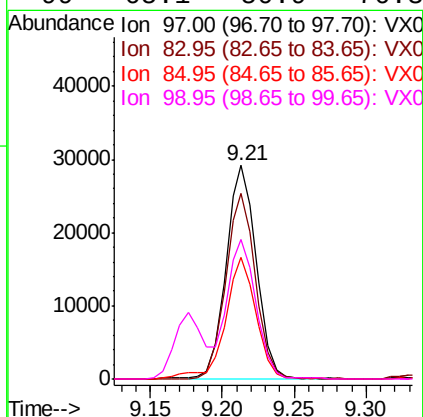
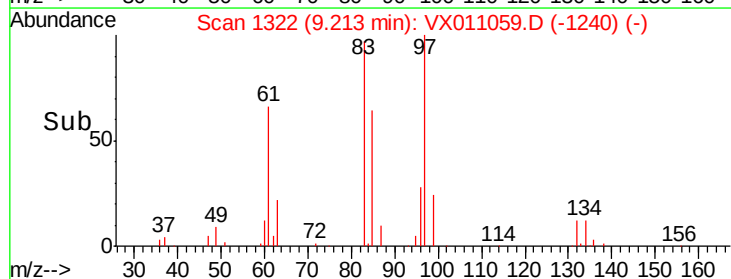
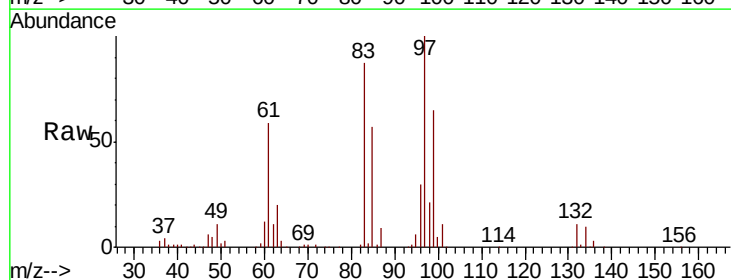
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.3	37.9
39	48.9	37.8	56.6

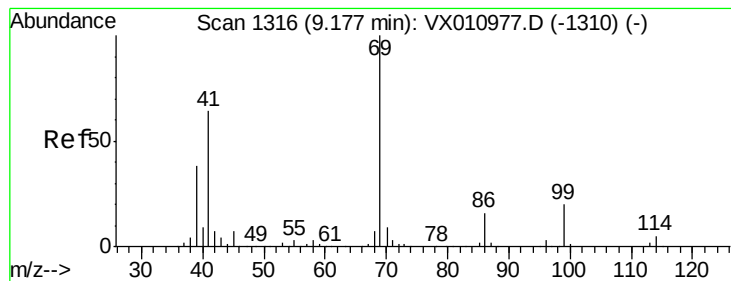


#50

1,1,2-Trichloroethane
Concen: 20.485 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	63.9	95.9
85	57.1	43.4	65.2
99	65.1	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.925 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

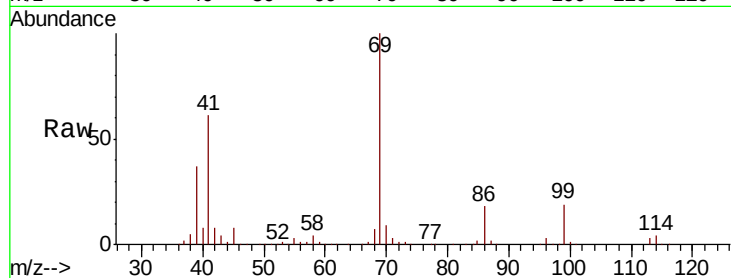
Tot Ion: 69 Resp: 64488

Ion Ratio Lower Upper

69 100

41 60.3 32.1 96.3

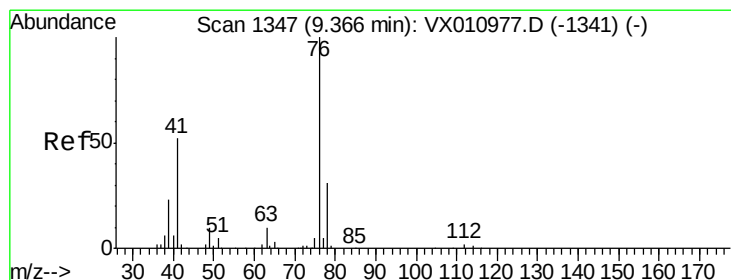
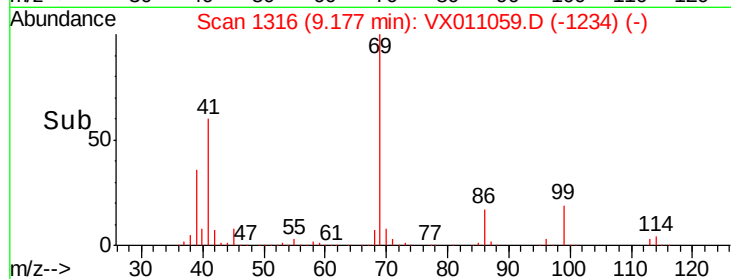
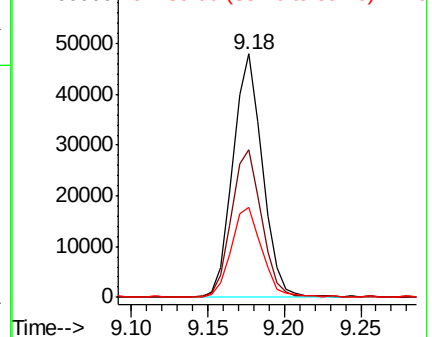
39 36.6 19.1 57.3



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



#52

1,3-Dichloropropane

Concen: 20.207 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011059.D

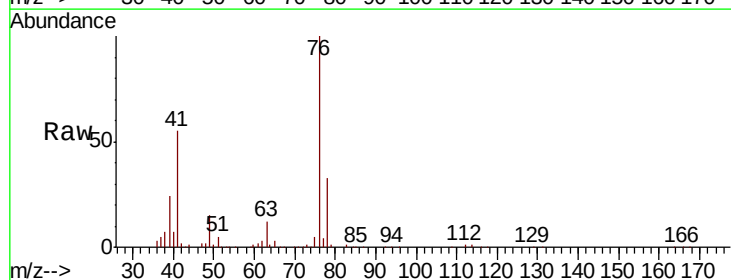
Acq: 24 Jul 2019 14:06

Tgt Ion: 76 Resp: 67952

Ion Ratio Lower Upper

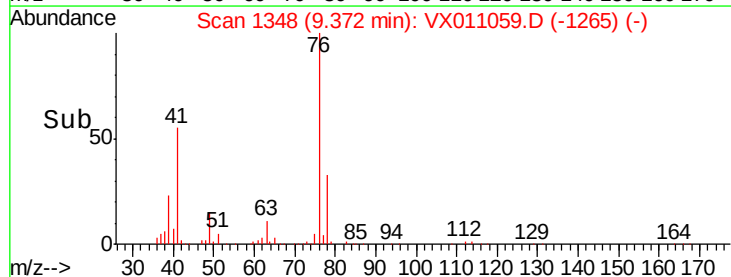
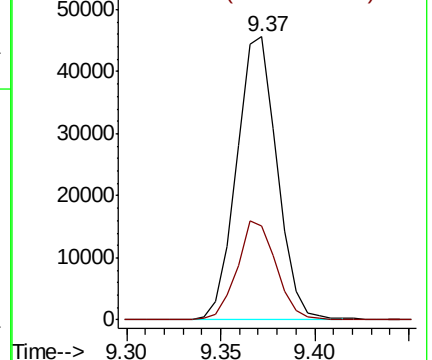
76 100

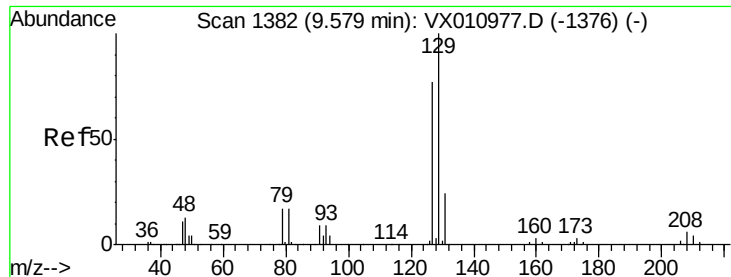
78 33.5 0.0 63.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

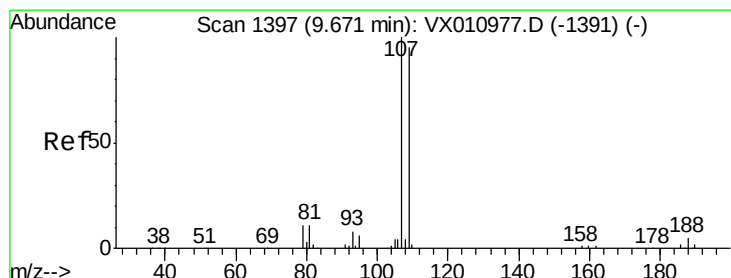
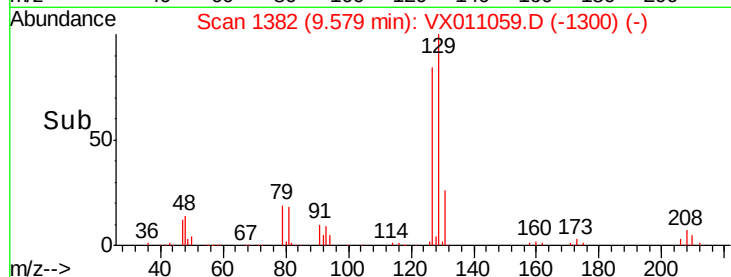
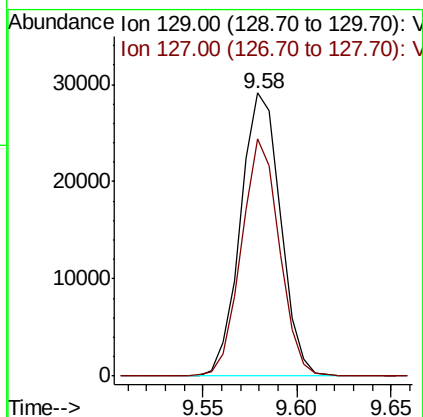
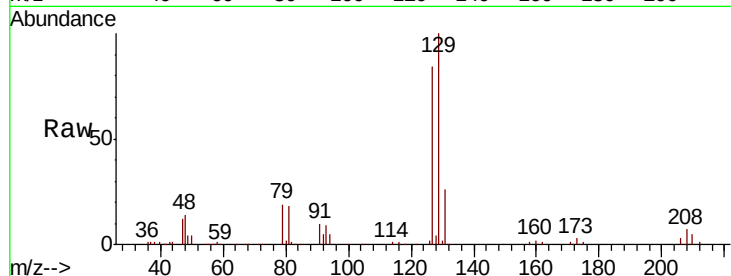




#53
 Dibromochloromethane
 Concen: 19.011 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

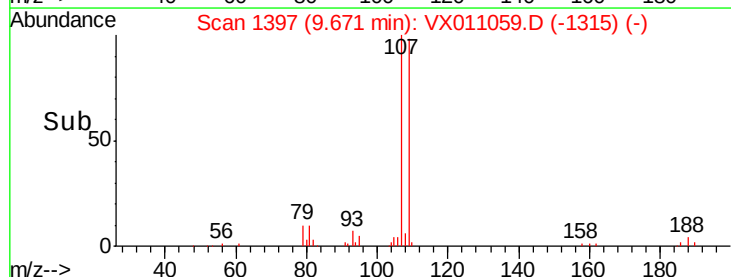
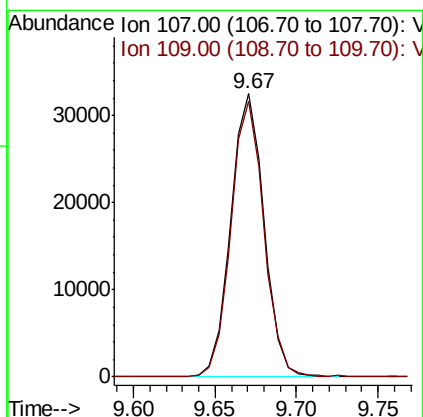
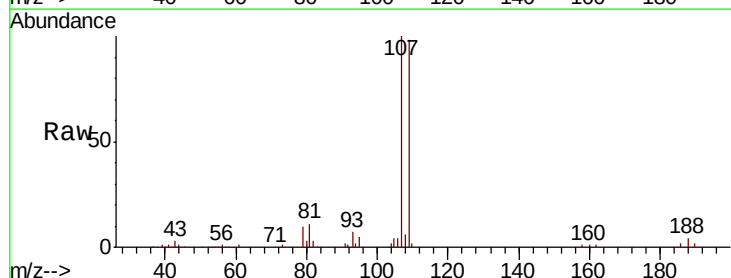
Instrument :
 MSVOA_X
 ClientSampleId :

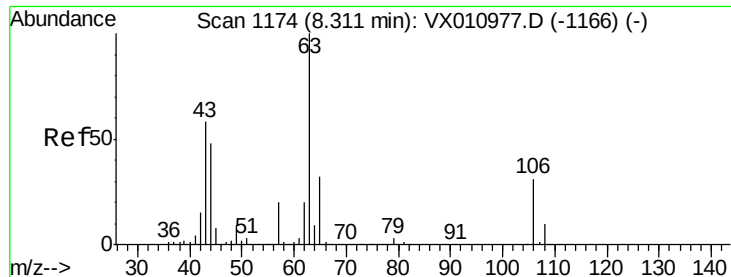
Tot Ion:129 Resp: 42965
 Ion Ratio Lower Upper
 129 100
 127 79.3 38.1 114.3



#54
 1,2-Dibromoethane
 Concen: 20.276 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Tgt Ion:107 Resp: 46111
 Ion Ratio Lower Upper
 107 100
 109 95.9 77.1 115.7

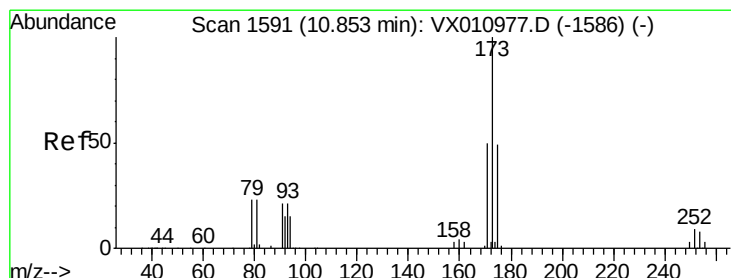
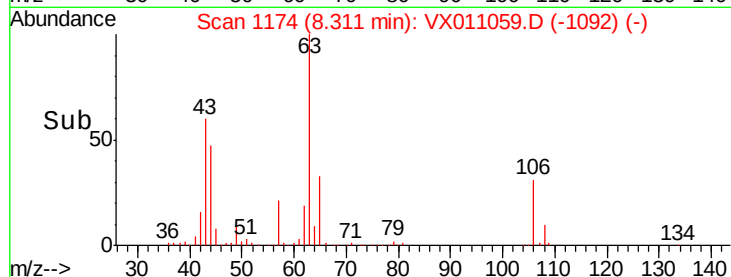
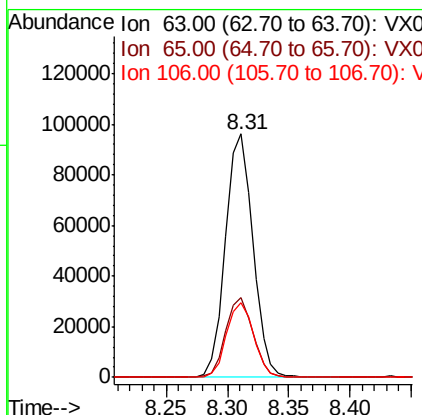
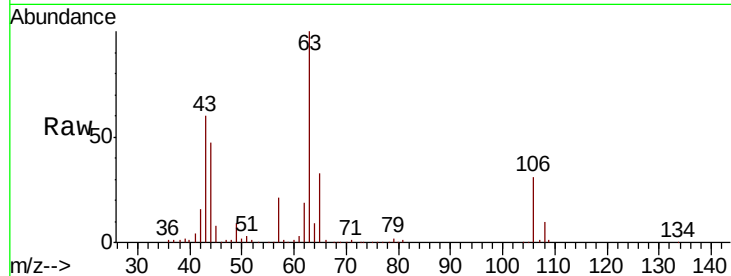




#55
2-Chloroethyl vinyl ether
Concen: 109.335 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

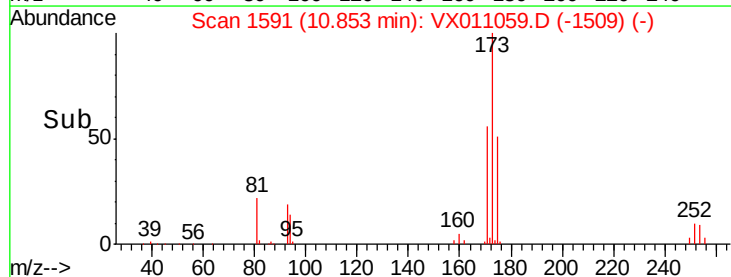
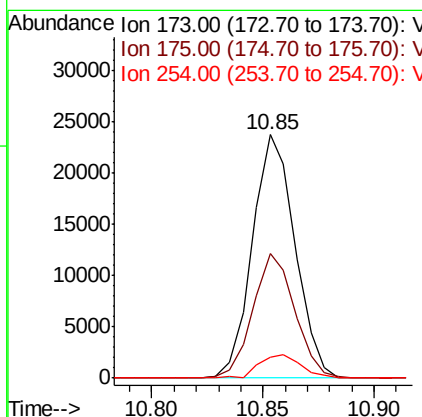
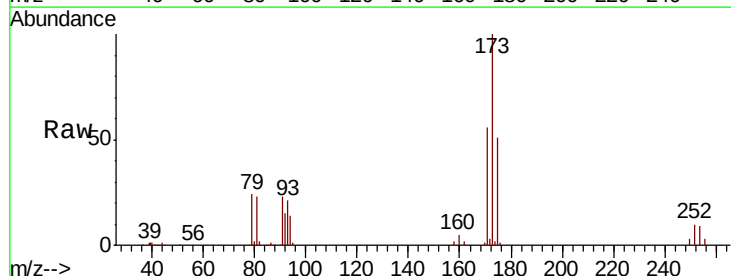
Instrument :
MSVOA_X
ClientSampleId :

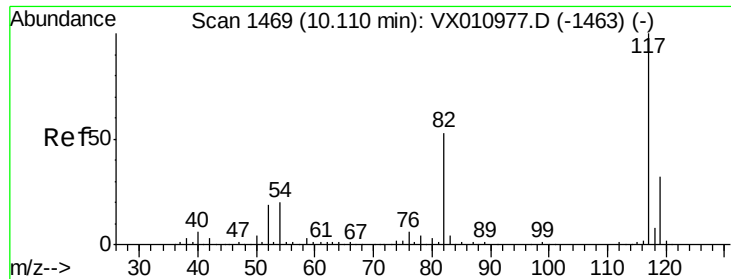
Tot Ion: 63 Resp: 149851
Ion Ratio Lower Upper
63 100
65 32.5 25.7 38.5
106 30.4 24.8 37.2



#56
Bromoform
Concen: 18.763 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion: 173 Resp: 31583
Ion Ratio Lower Upper
173 100
175 50.4 39.0 58.6
254 9.3 7.9 11.9

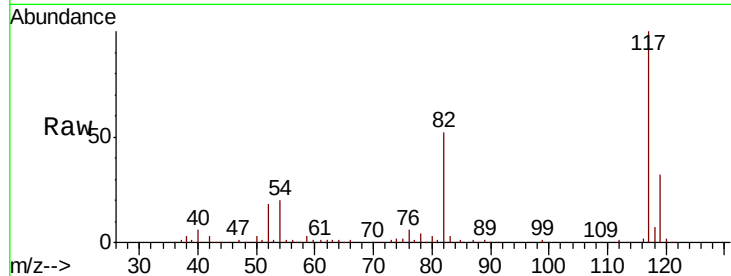




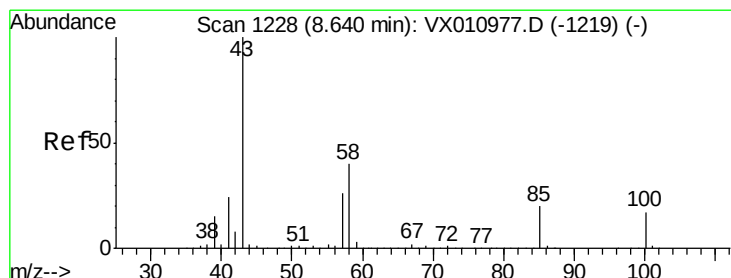
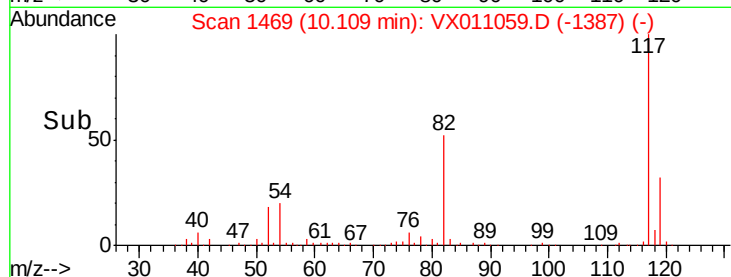
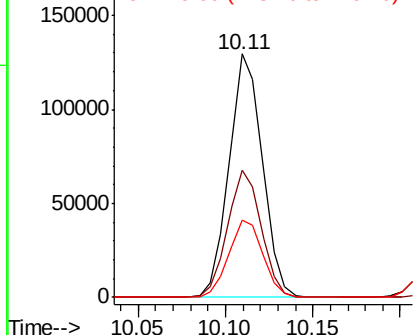
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 171900
Ion Ratio Lower Upper
117 100
82 52.9 41.6 62.4
119 32.5 26.0 39.0

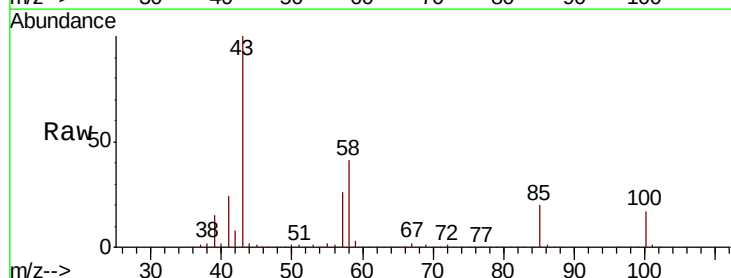


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

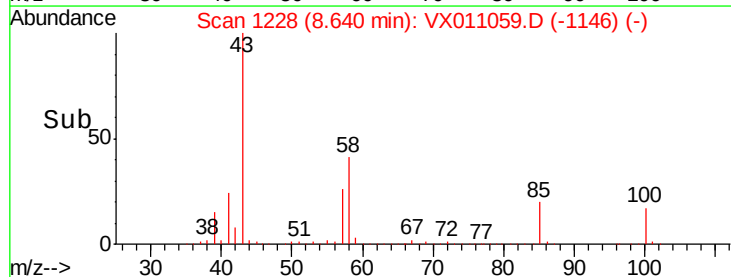
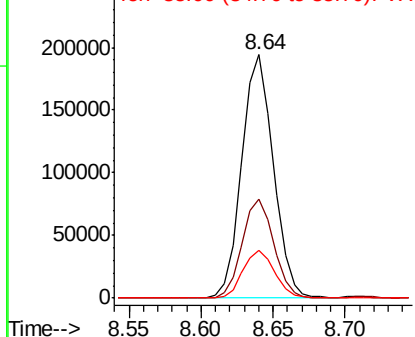


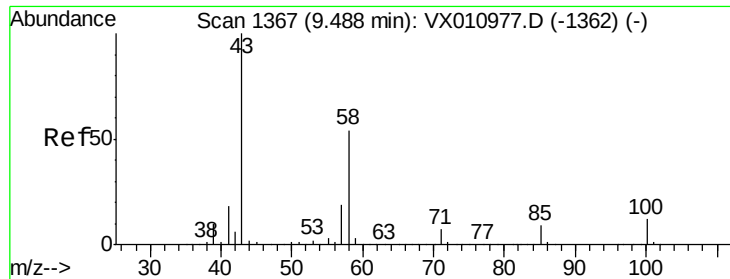
#58
4-Methyl-2-Pentanone
Concen: 101.854 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion: 43 Resp: 295690
Ion Ratio Lower Upper
43 100
58 40.7 32.6 48.8
85 19.8 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

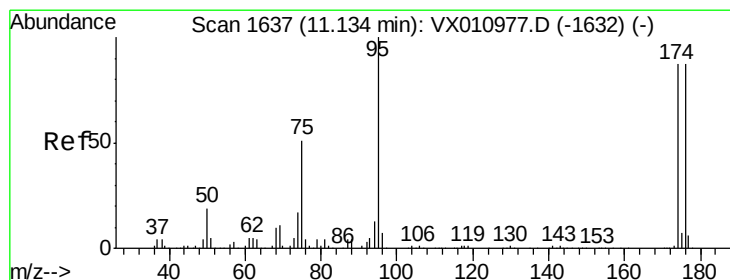
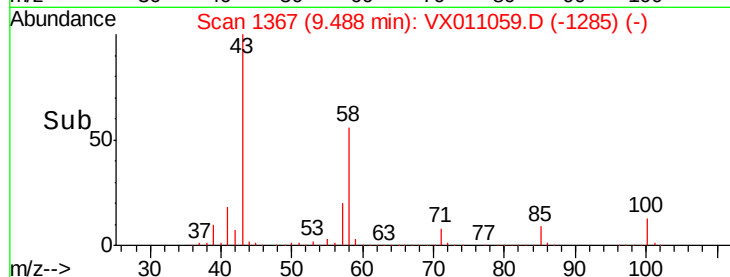
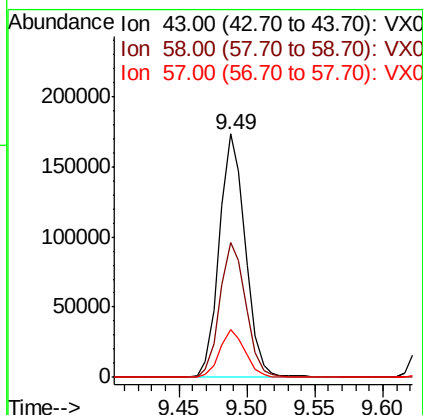
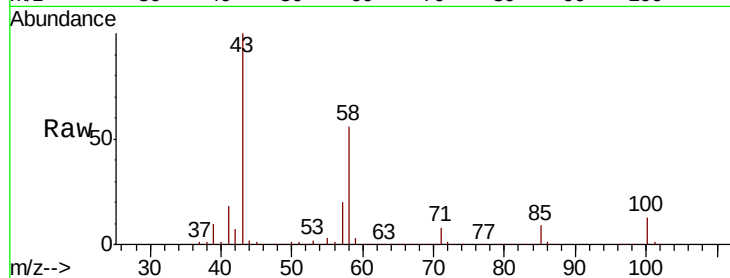




#59
2-Hexanone
Concen: 103.251 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

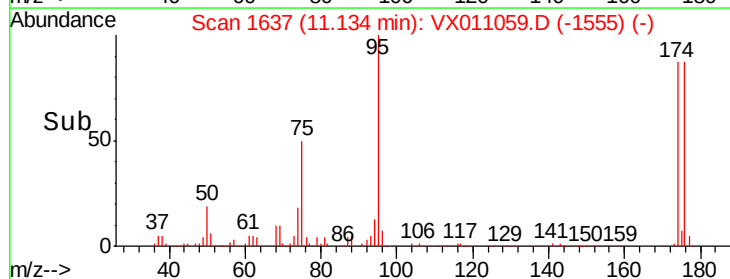
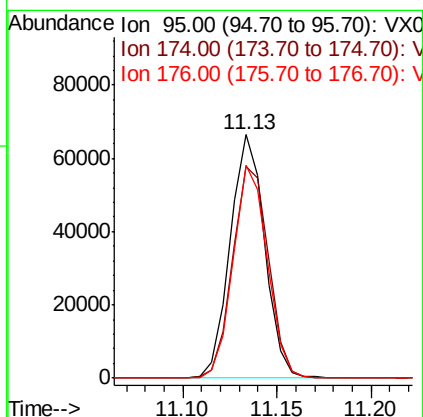
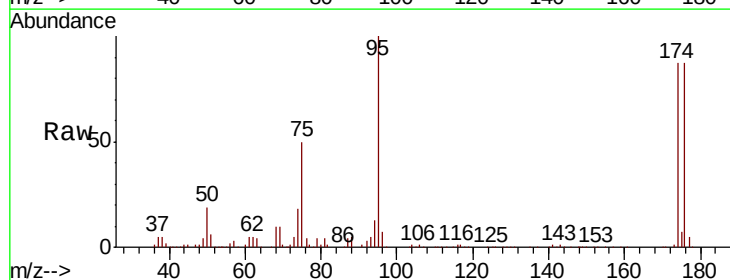
Instrument :
MSVOA_X
ClientSampled :

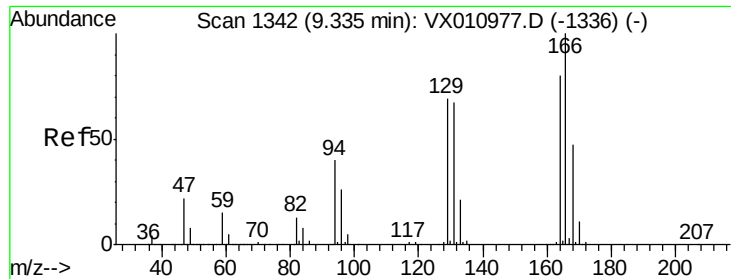
Tot Ion: 43 Resp: 229370
Ion Ratio Lower Upper
43 100
58 55.4 44.7 67.1
57 19.3 15.4 23.2



#60
4-Bromofluorobenzene
Concen: 29.686 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion: 95 Resp: 83991
Ion Ratio Lower Upper
95 100
174 90.8 73.3 109.9
176 86.9 71.2 106.8





#61

Tetrachloroethene

Concen: 16.937 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 38442

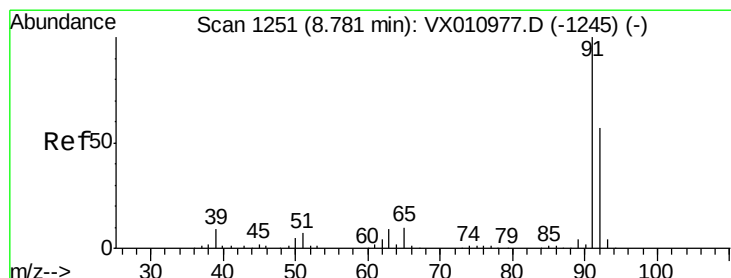
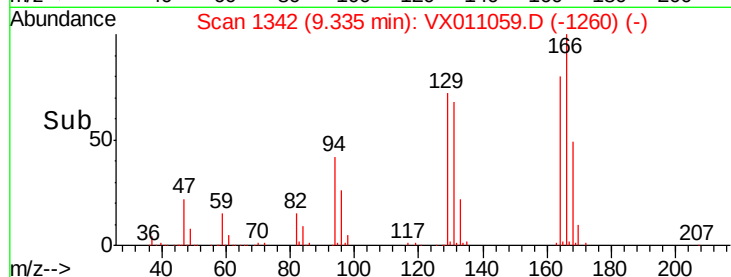
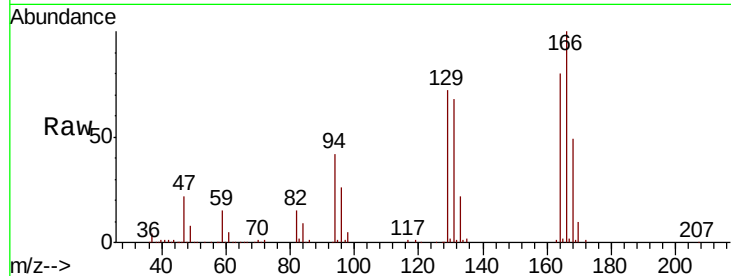
Ion Ratio Lower Upper

164 100

166 125.3 100.1 150.1

129 90.4 69.6 104.4

131 85.4 67.0 100.6



#62

Toluene

Concen: 18.301 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011059.D

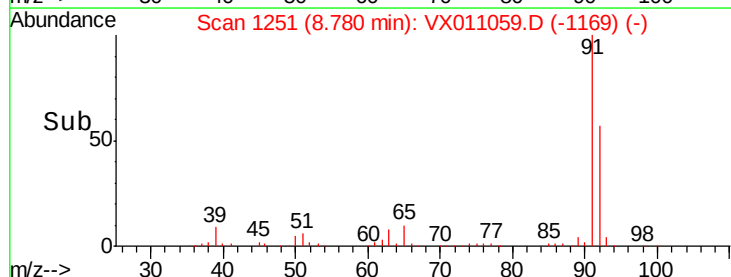
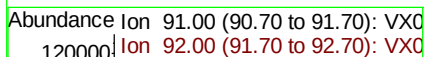
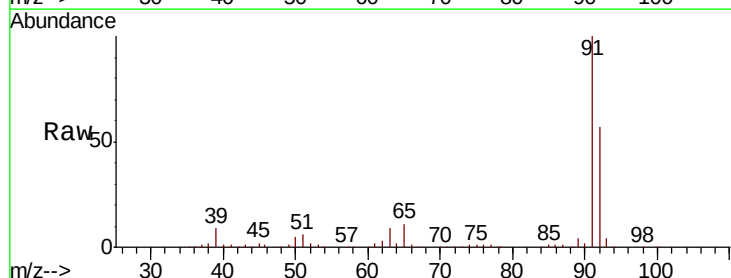
Acq: 24 Jul 2019 14:06

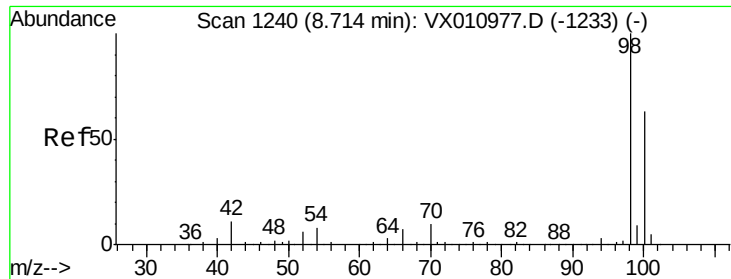
Tgt Ion: 91 Resp: 167125

Ion Ratio Lower Upper

91 100

92 56.4 45.4 68.2





#63

Toluene-d8

Concen: 29.623 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

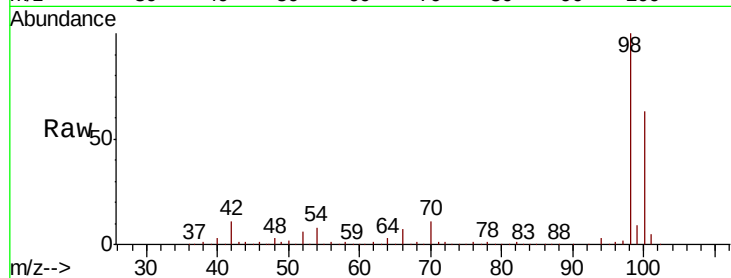
ClientSampleId :

Tot Ion: 98 Resp: 223825

Ion Ratio Lower Upper

98 100

100 62.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX010977.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX010977.D (-1233) (-)

8.71

150000

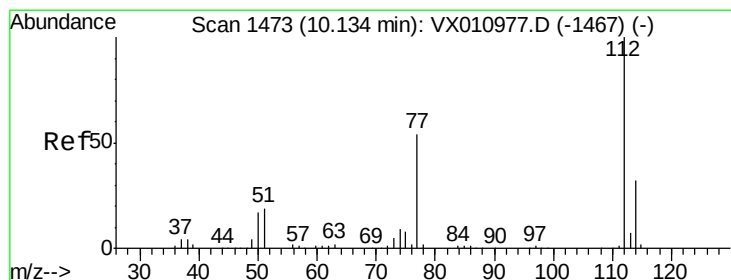
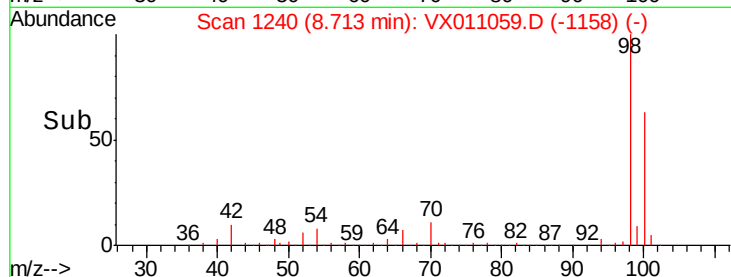
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 19.152 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011059.D

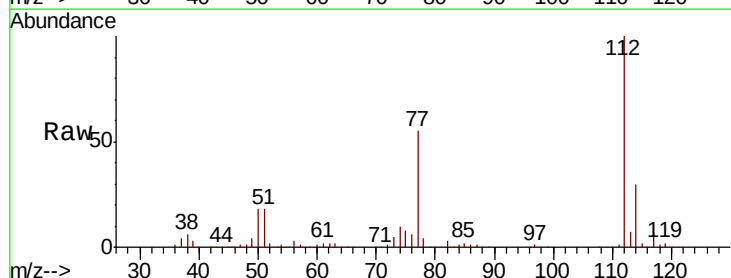
Acq: 24 Jul 2019 14:06

Tgt Ion: 112 Resp: 112057

Ion Ratio Lower Upper

112 100

114 30.4 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): VX010977.D (-1467) (-)

Ion 114.00 (113.70 to 114.70): VX010977.D (-1467) (-)

10.13

80000

60000

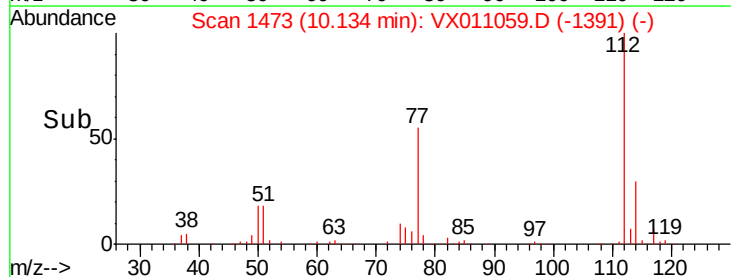
40000

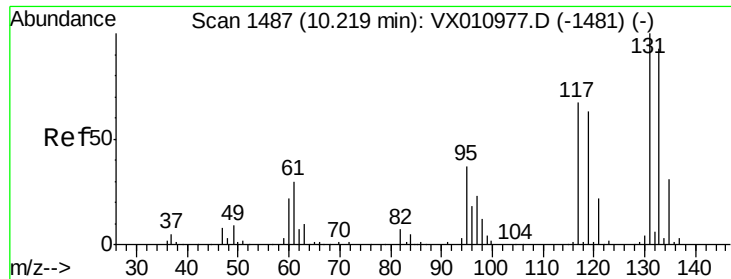
20000

0

10.10 10.15 10.20

Time-->

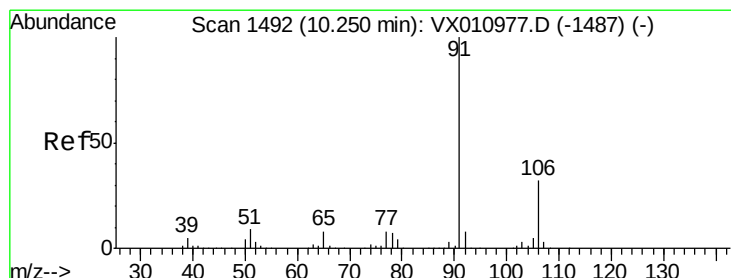
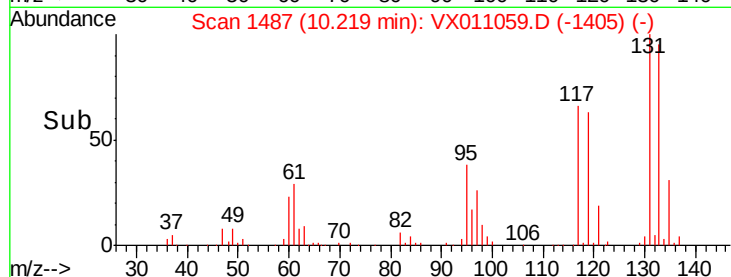
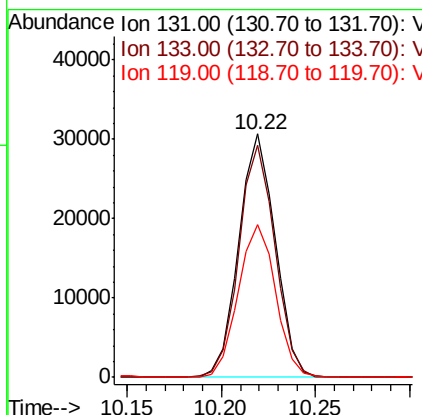
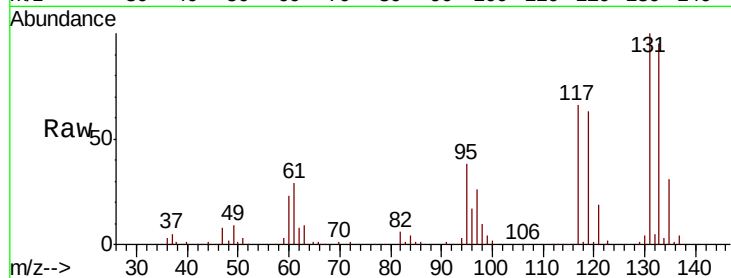




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.356 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

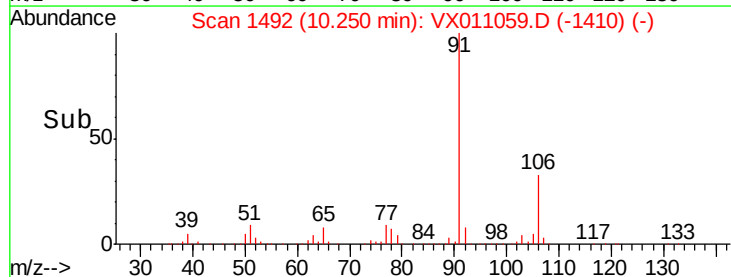
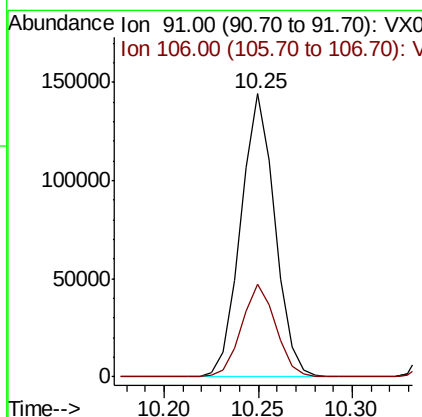
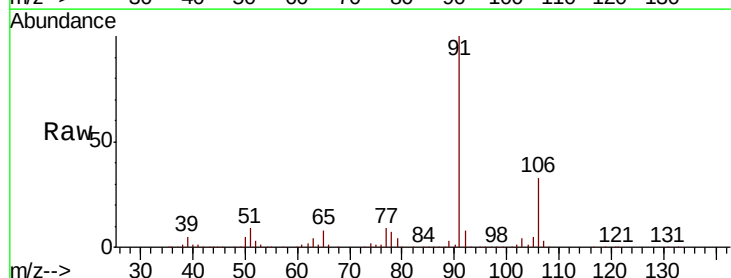
Instrument :
 MSVOA_X
 ClientSampled :

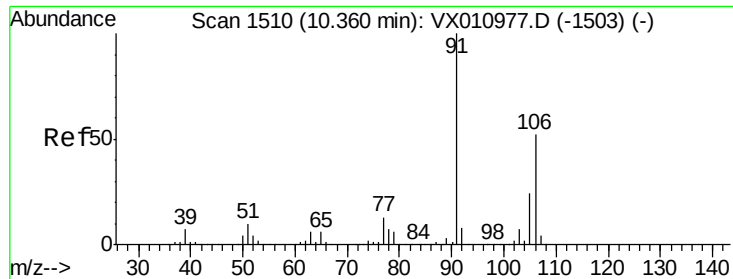
Tot Ion:131 Resp: 41159
 Ion Ratio Lower Upper
 131 100
 133 94.9 0.0 190.2
 119 64.2 0.0 127.0



#66
 Ethyl Benzene
 Concen: 17.657 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Tgt Ion: 91 Resp: 181515
 Ion Ratio Lower Upper
 91 100
 106 32.9 25.8 38.8





#67

m/p-Xylenes

Concen: 35.432 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

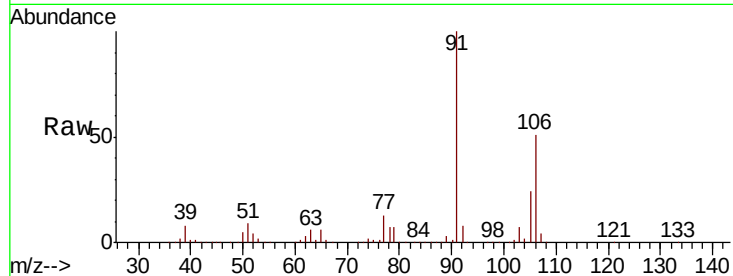
ClientSampled :

Tot Ion:106 Resp: 139363

Ion Ratio Lower Upper

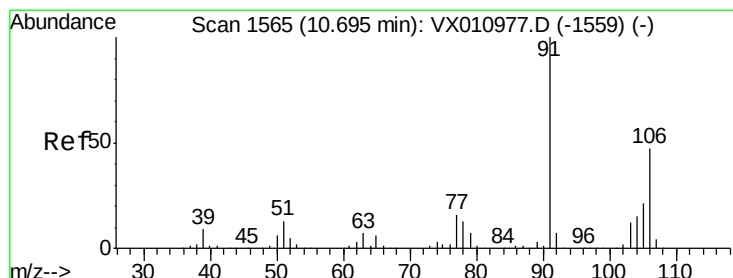
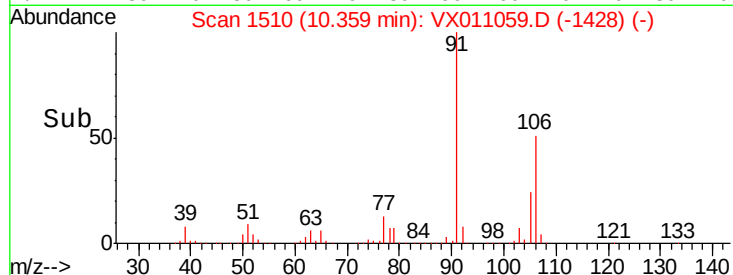
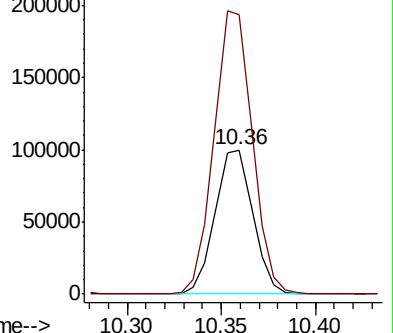
106 100

91 199.6 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.137 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX011059.D

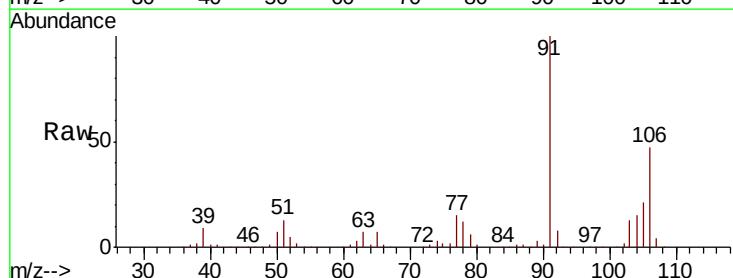
Acq: 24 Jul 2019 14:06

Tgt Ion:106 Resp: 69897

Ion Ratio Lower Upper

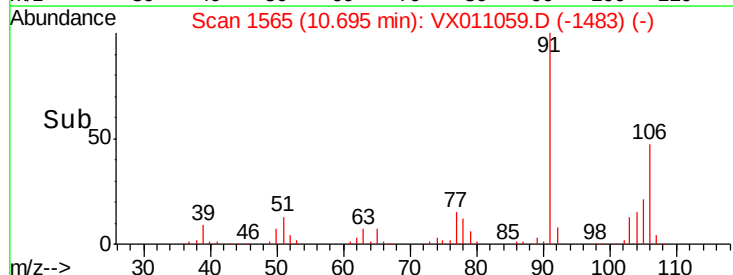
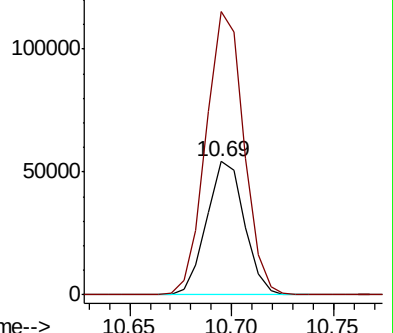
106 100

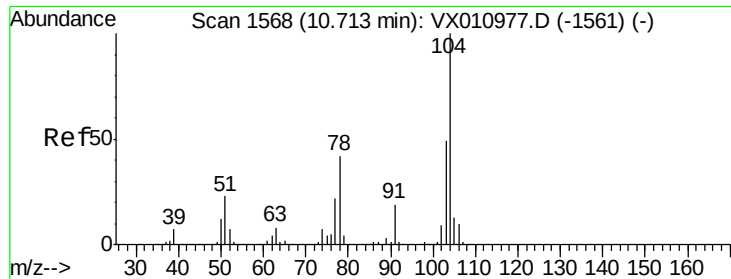
91 211.7 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 18.211 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampled :

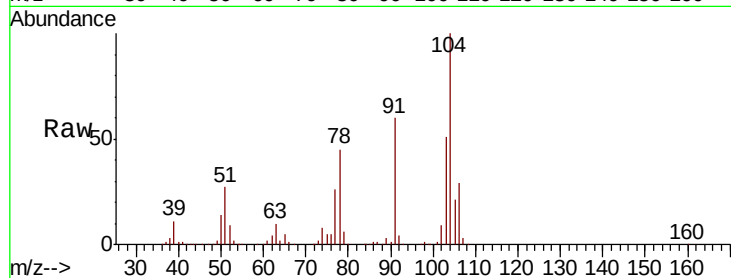
Tot Ion:104 Resp: 117970

Ion Ratio Lower Upper

104 100

78 49.4 38.5 57.7

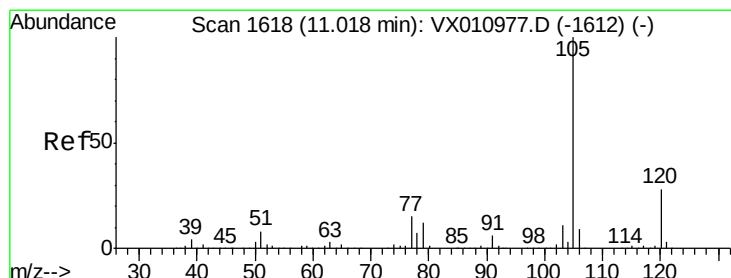
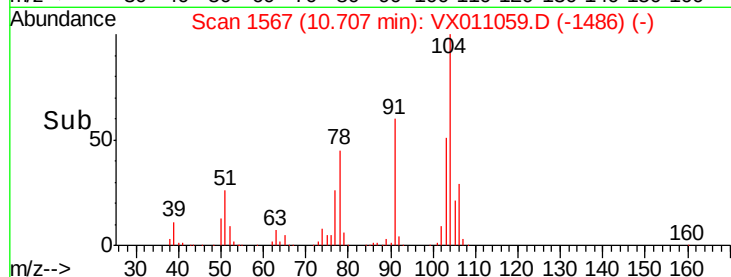
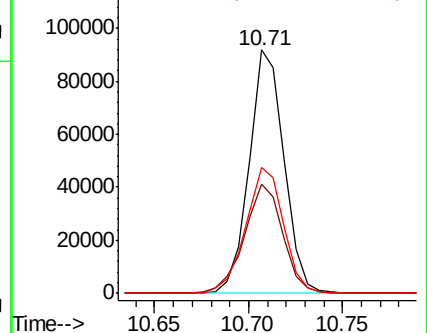
103 55.8 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 17.011 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011059.D

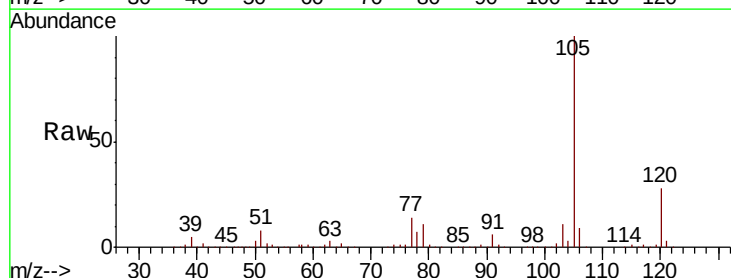
Acq: 24 Jul 2019 14:06

Tgt Ion:105 Resp: 174577

Ion Ratio Lower Upper

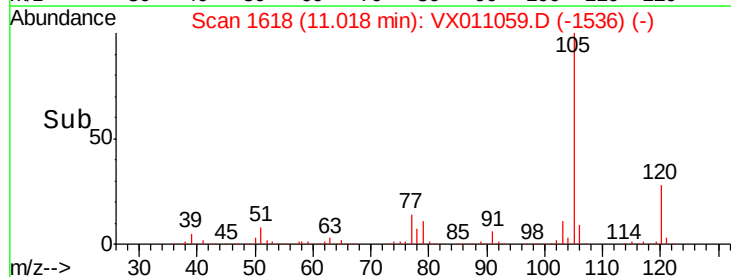
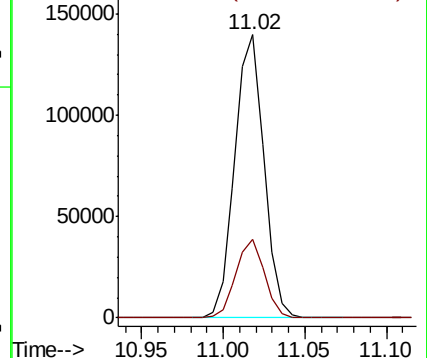
105 100

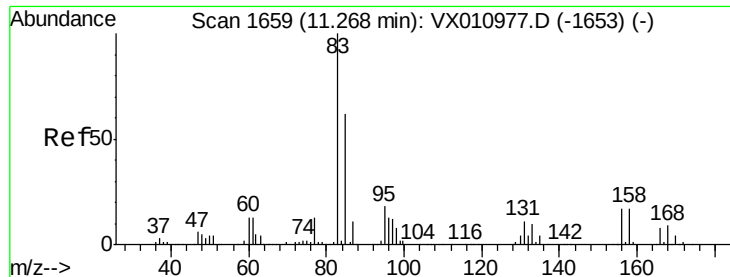
120 27.2 19.4 36.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

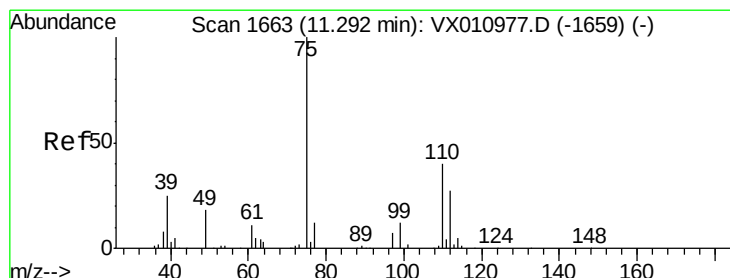
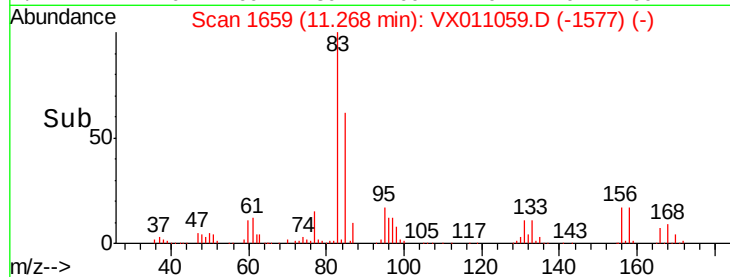
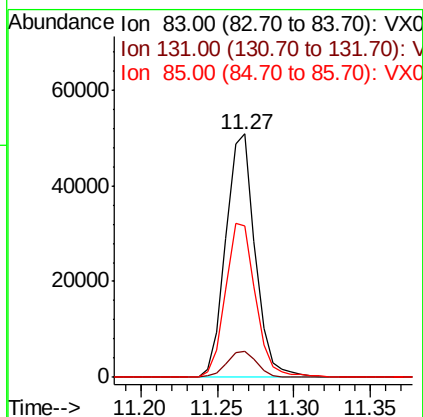
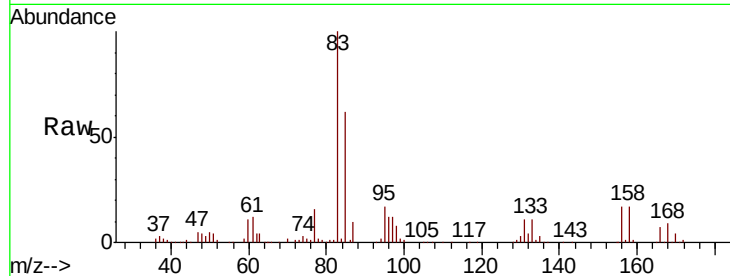




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.512 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

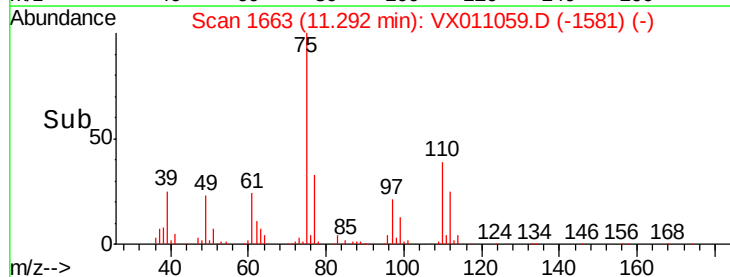
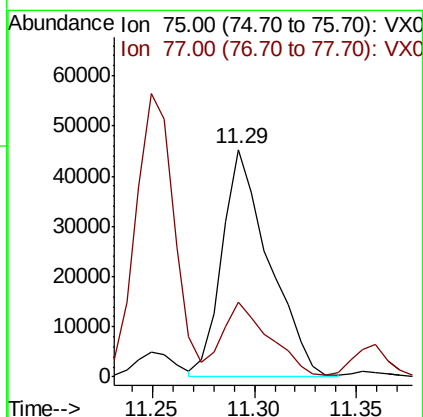
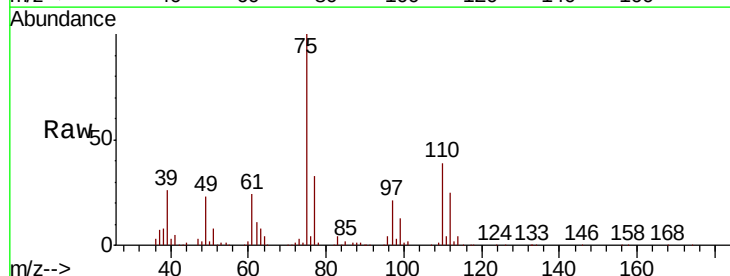
Instrument :
 MSVOA_X
 ClientSampleId :

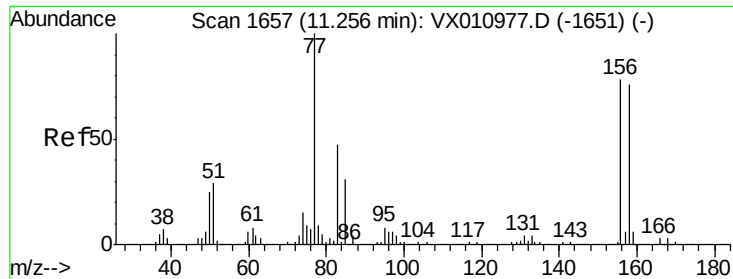
Tot Ion	83	Resp	67875
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.7	32.1	96.3



#72
 1,2,3-Trichloropropane
 Concen: 26.261 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Tgt Ion	75	Resp	72536
Ion	Ratio	Lower	Upper
75	100		
77	33.2	0.0	84.0





#73

Bromobenzene

Concen: 19.079 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

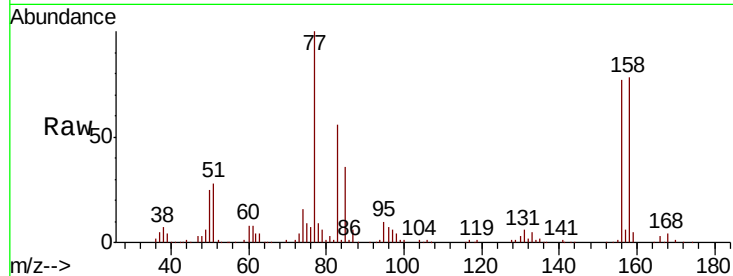
Tot Ion:156 Resp: 52827

Ion Ratio Lower Upper

156 100

77 139.8 0.0 275.8

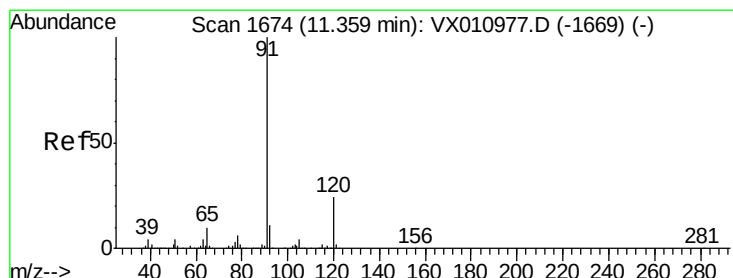
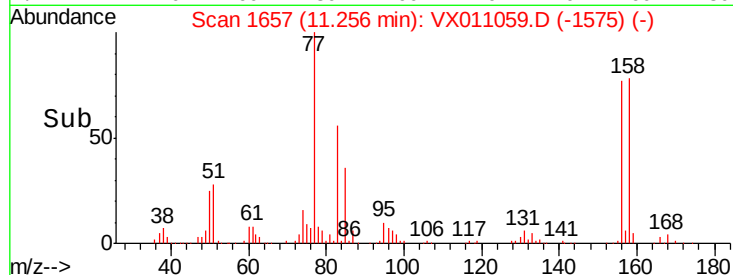
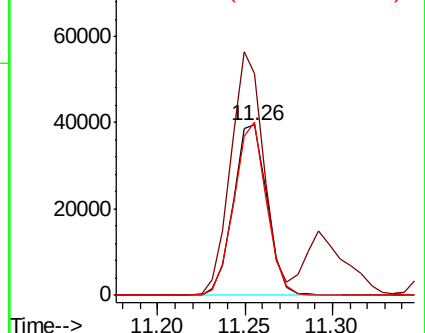
158 97.8 0.0 195.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 16.669 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011059.D

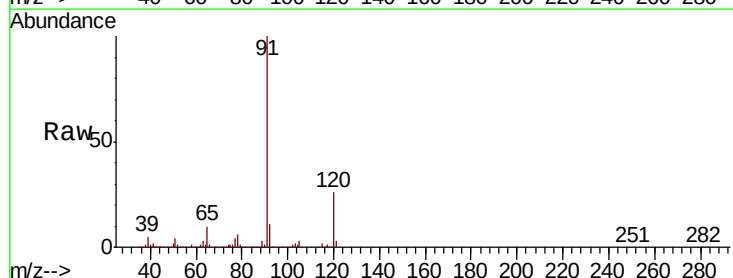
Acq: 24 Jul 2019 14:06

Tgt Ion: 91 Resp: 192534

Ion Ratio Lower Upper

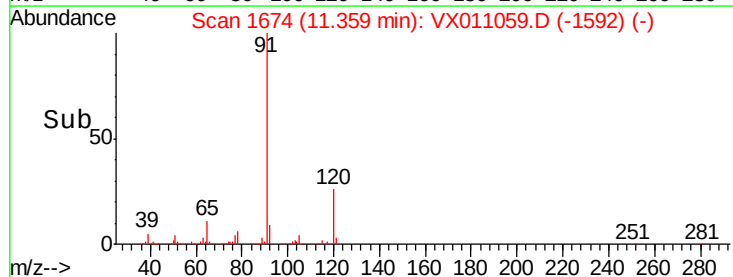
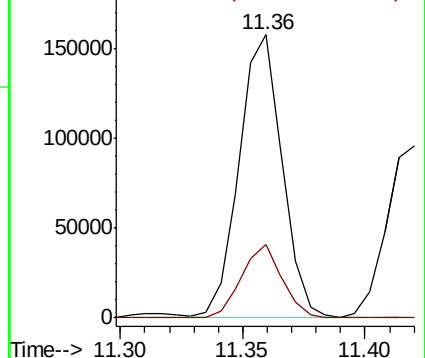
91 100

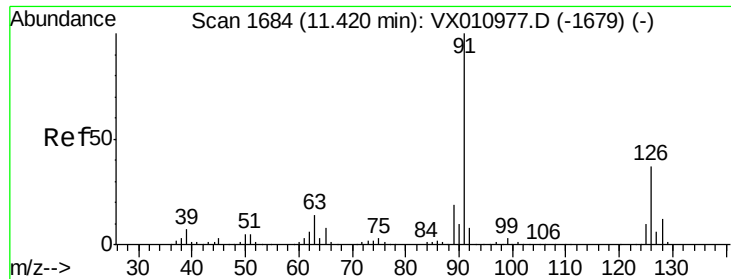
120 24.4 0.0 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.011 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

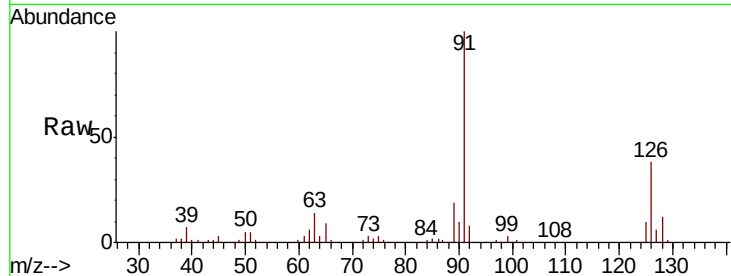
ClientSampleId :

Tot Ion: 91 Resp: 123896

Ion Ratio Lower Upper

91 100

126 36.6 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VX011059.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX011059.D (-1679) (-)

150000

100000

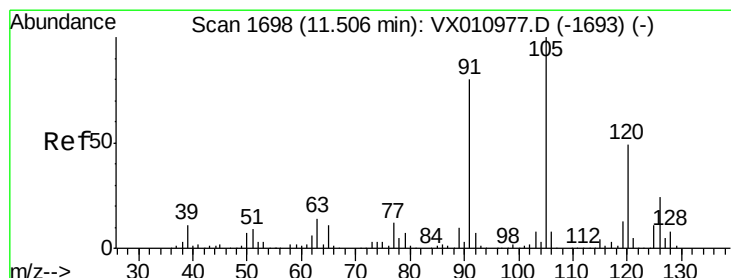
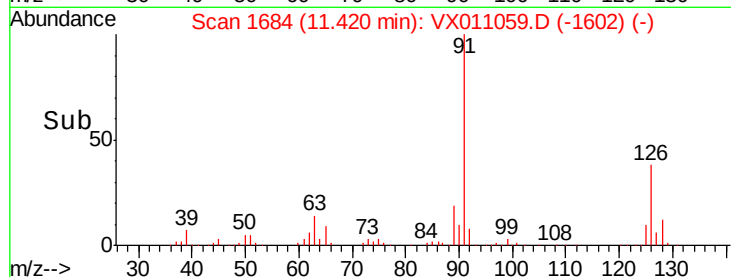
50000

0

11.42

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 17.324 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011059.D

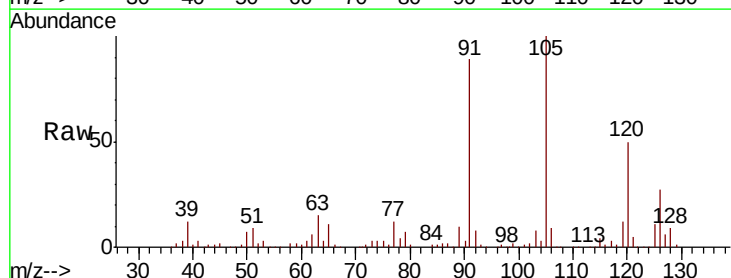
Acq: 24 Jul 2019 14:06

Tgt Ion: 105 Resp: 150491

Ion Ratio Lower Upper

105 100

120 49.7 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): VX011059.D (-1616) (-)

Ion 120.00 (119.70 to 120.70): VX011059.D (-1616) (-)

100000

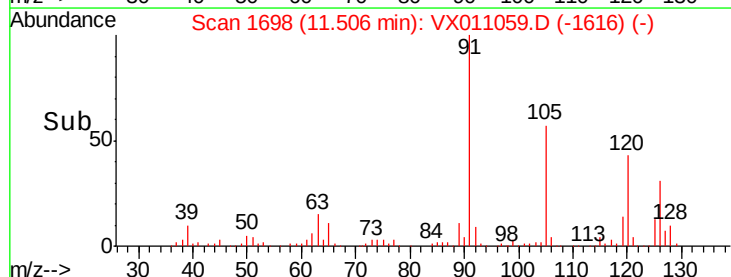
50000

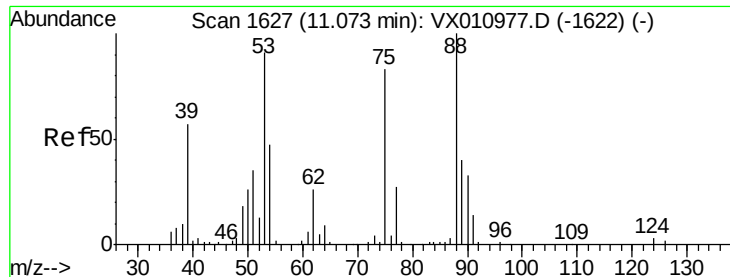
0

11.51

11.45 11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 19.552 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampled :

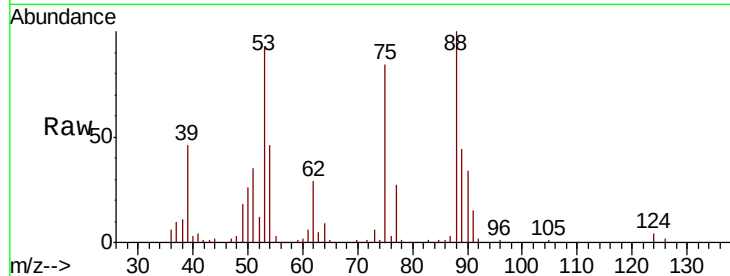
Tot Ion: 75 Resp: 17818

Ion Ratio Lower Upper

75 100

53 110.2 54.8 164.3

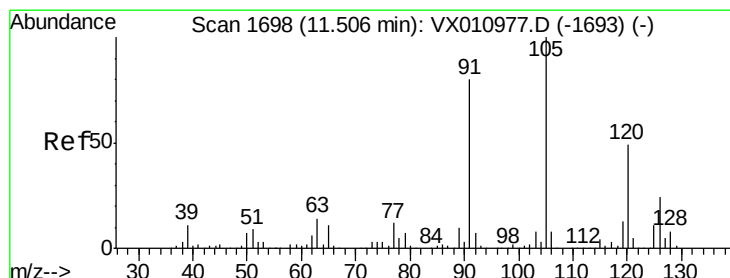
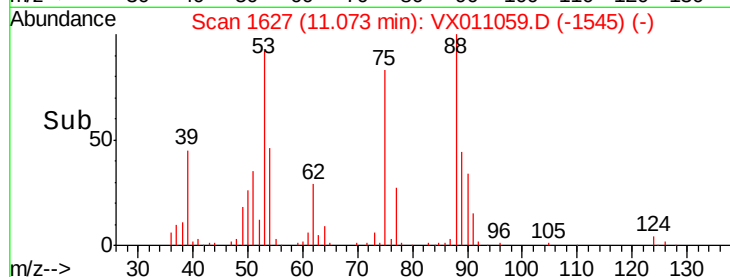
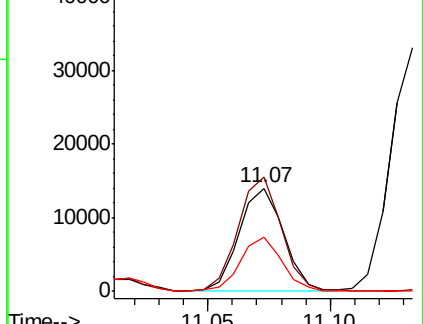
89 52.6 24.6 73.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 18.038 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011059.D

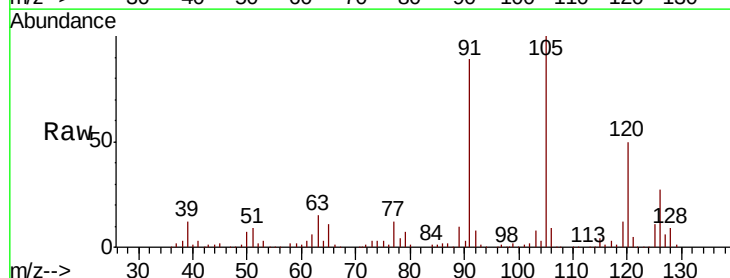
Acq: 24 Jul 2019 14:06

Tgt Ion: 91 Resp: 142507

Ion Ratio Lower Upper

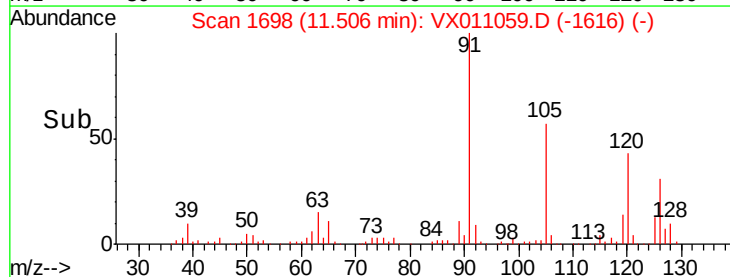
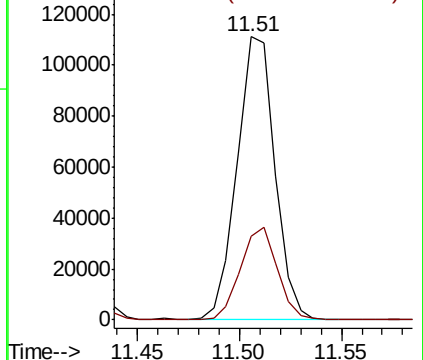
91 100

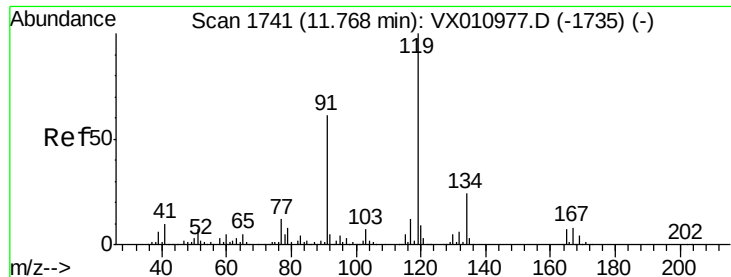
126 32.1 0.0 63.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

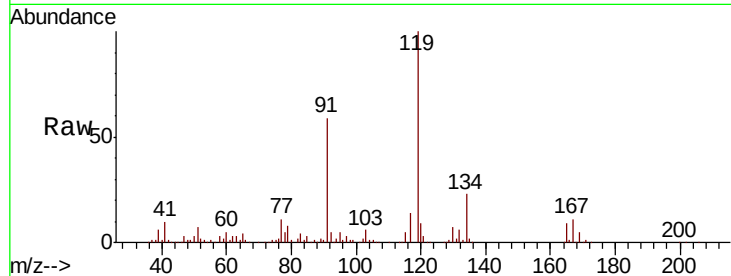




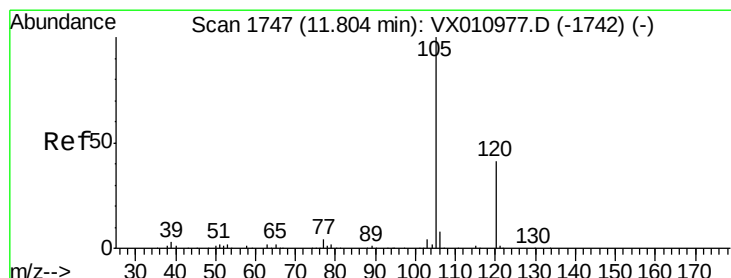
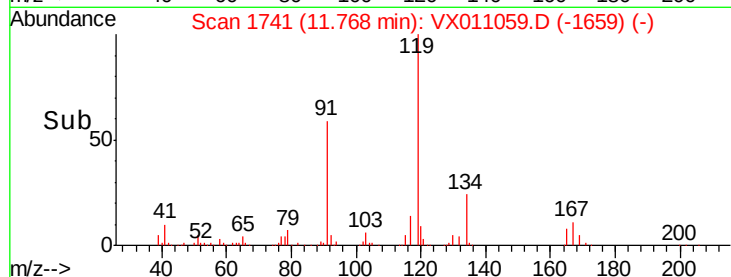
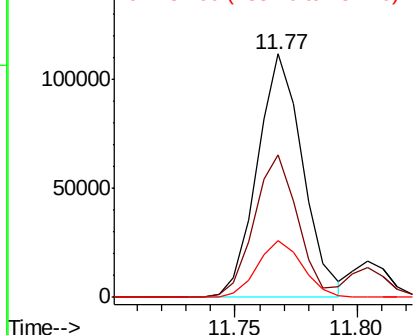
#79
tert-butylbenzene
Concen: 17.093 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:119 Resp: 144019
Ion Ratio Lower Upper
119 100
91 55.6 0.0 118.4
134 23.4 0.0 47.4

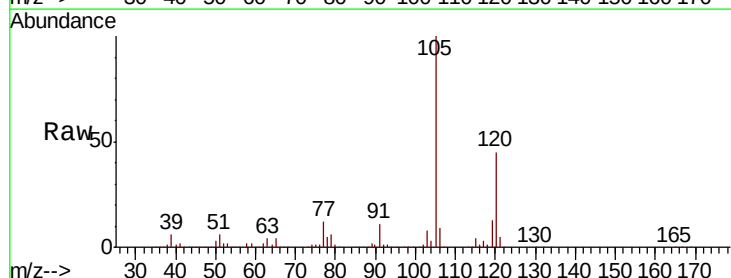


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

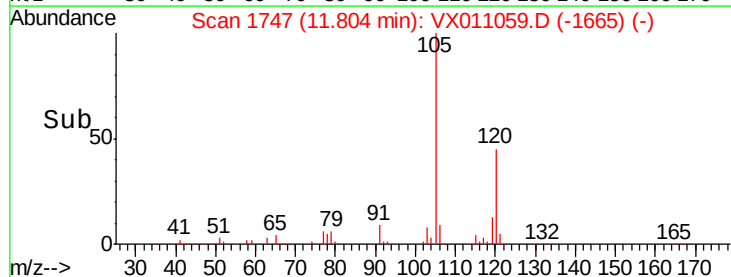
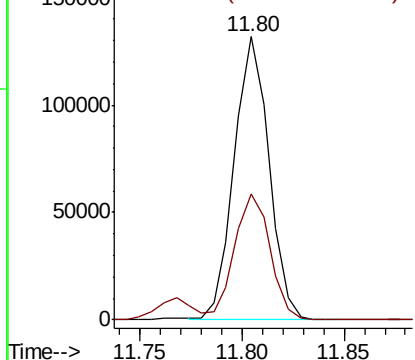


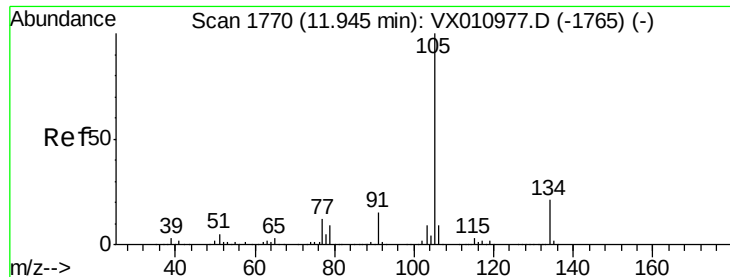
#80
1,2,4-Trimethylbenzene
Concen: 17.843 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011059.D
Acq: 24 Jul 2019 14:06

Tgt Ion:105 Resp: 156081
Ion Ratio Lower Upper
105 100
120 45.8 0.0 91.6



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





#81

sec-Butylbenzene

Concen: 15.899 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

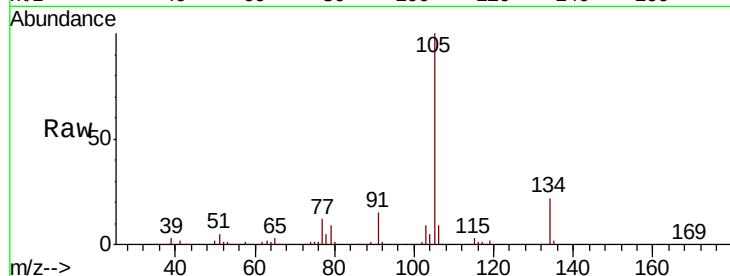
ClientSampleId :

Tot Ion:105 Resp: 157911

Ion Ratio Lower Upper

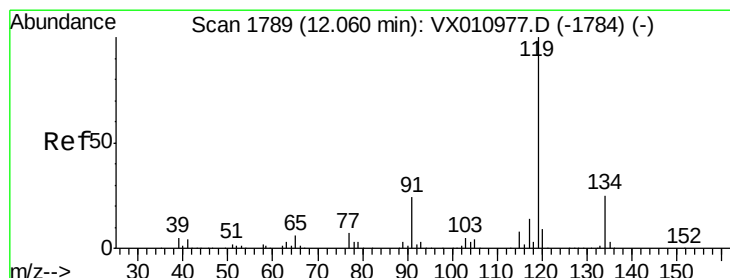
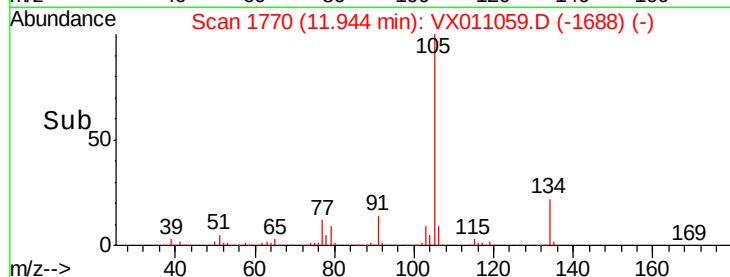
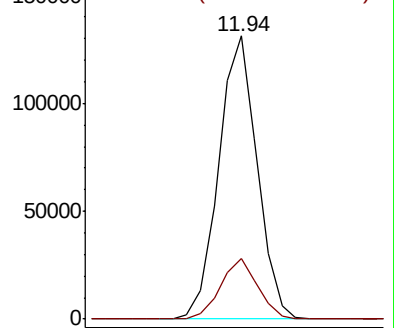
105 100

134 20.8 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 16.241 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

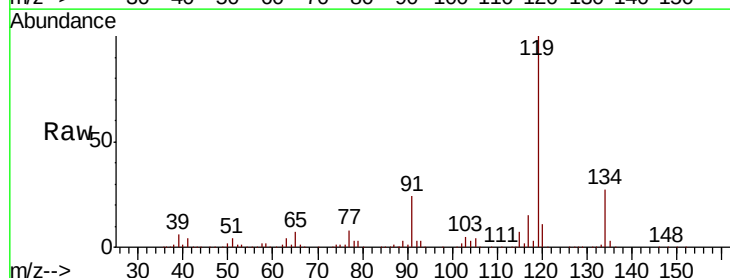
Tgt Ion:119 Resp: 149684

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.8

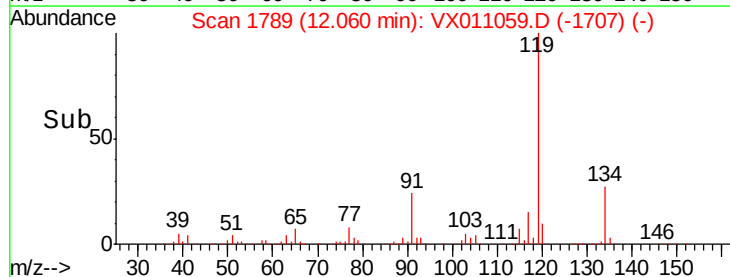
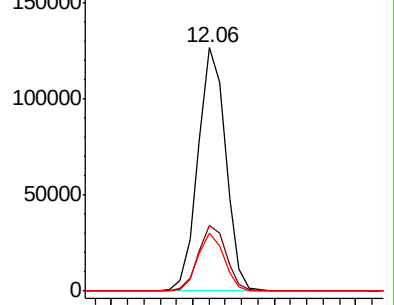
91 23.2 0.0 47.0

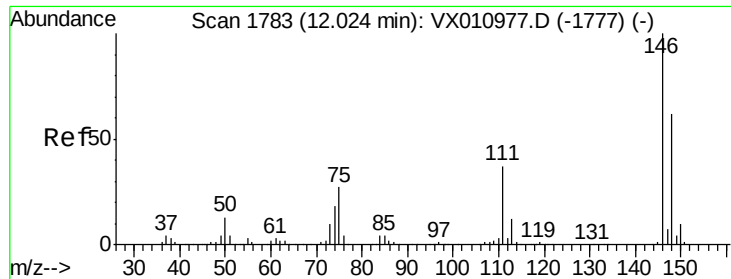


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

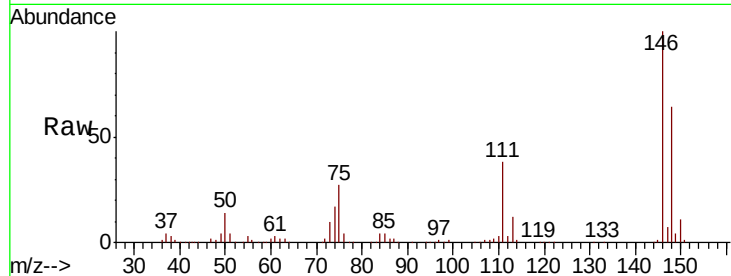




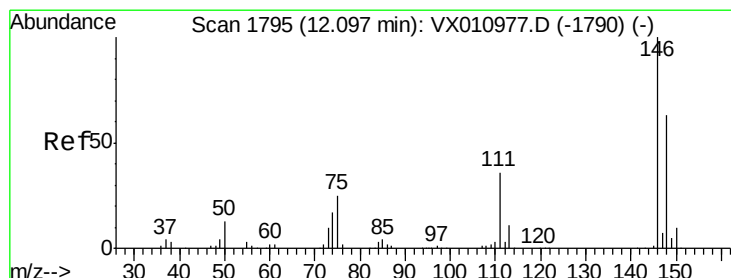
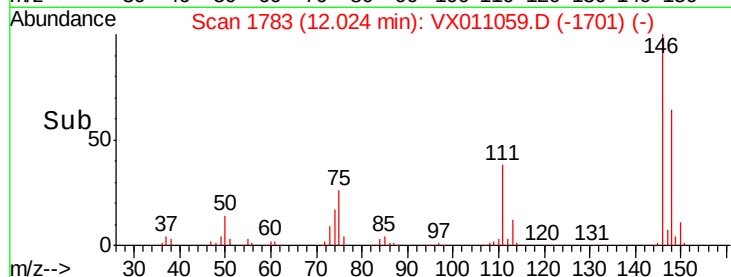
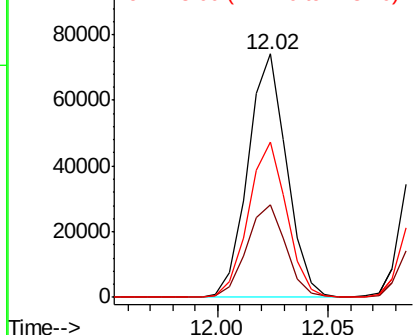
#83
 1,3-Dichlorobenzene
 Concen: 18.404 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.9
148	63.1	31.4	94.0

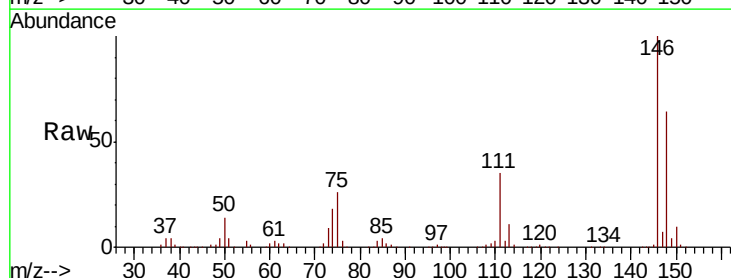


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

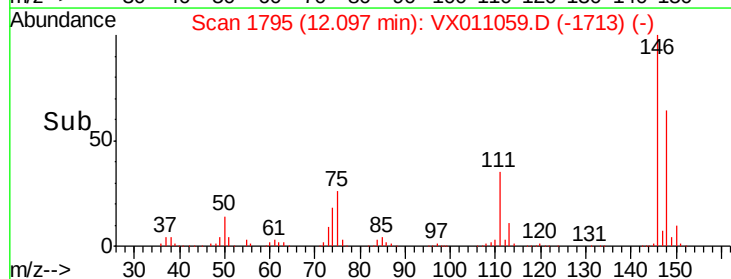
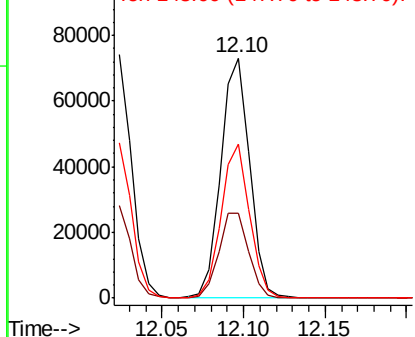


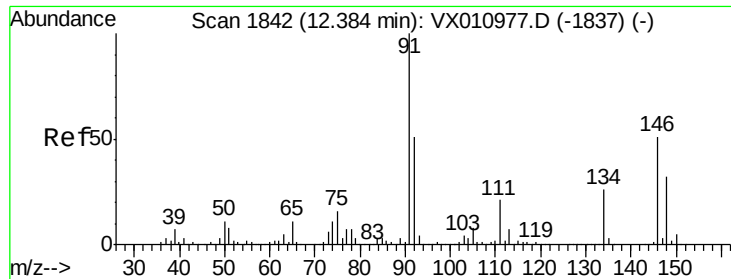
#84
 1,4-Dichlorobenzene
 Concen: 18.581 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.5	55.5
148	62.9	32.0	96.0



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 15.286 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

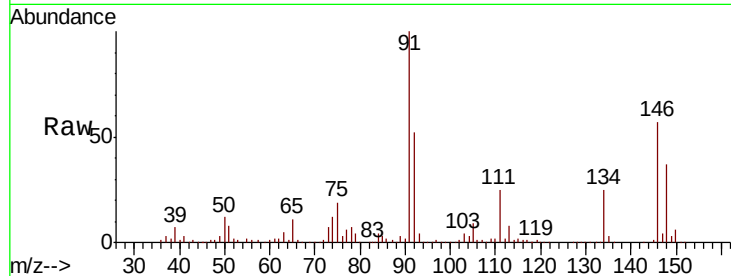
Tot Ion: 91 Resp: 119962

Ion Ratio Lower Upper

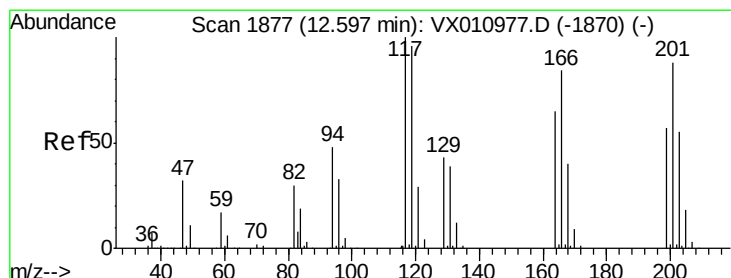
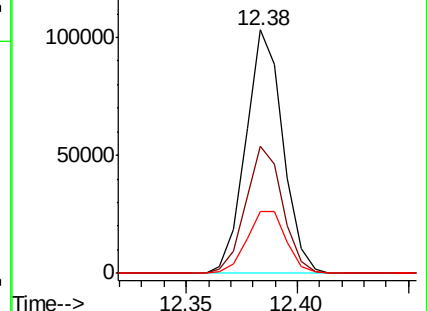
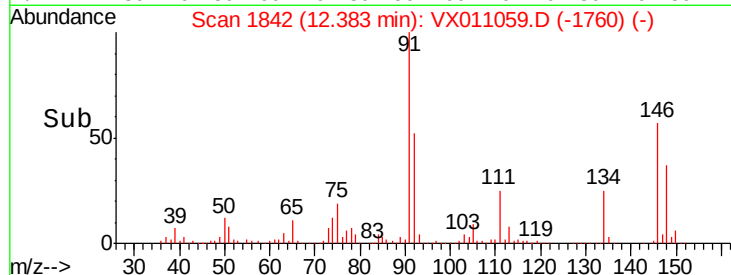
91 100

92 52.1 0.0 103.6

134 27.1 0.0 54.2



Abundance Ion 91.00 (90.70 to 91.70): VX011059.D (-1760) (-)



#86

Hexachloroethane

Concen: 16.054 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX011059.D

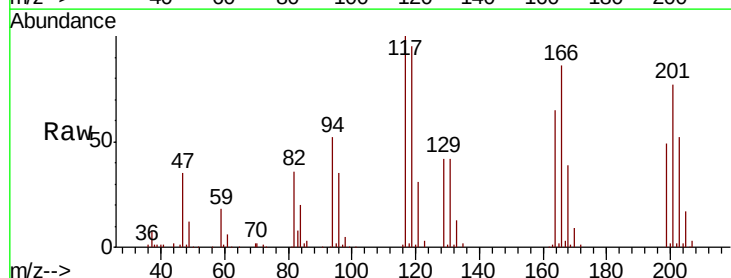
Acq: 24 Jul 2019 14:06

Tgt Ion: 117 Resp: 23335

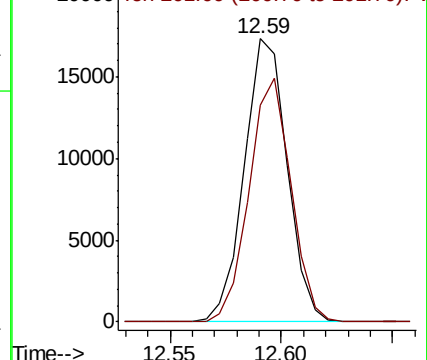
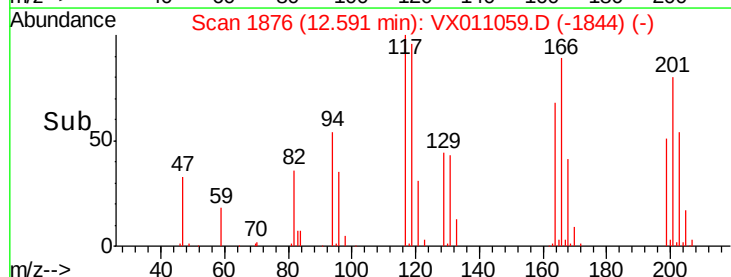
Ion Ratio Lower Upper

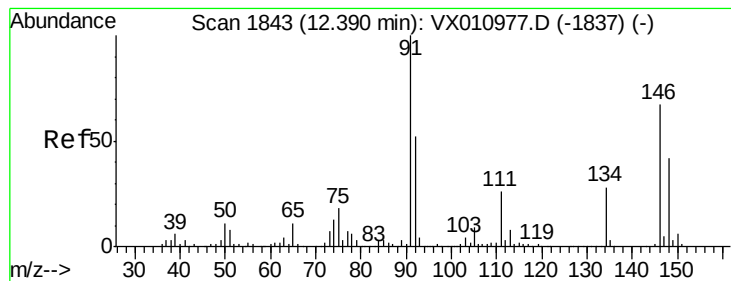
117 100

201 83.9 42.1 126.3



Abundance Ion 117.00 (116.70 to 117.70): VX011059.D (-1844) (-)





#87

1,2-Dichlorobenzene

Concen: 19.436 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampled :

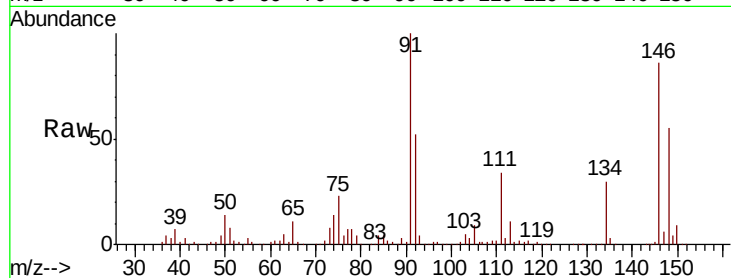
Tot Ion:146 Resp: 93018

Ion Ratio Lower Upper

146 100

111 40.4 19.5 58.5

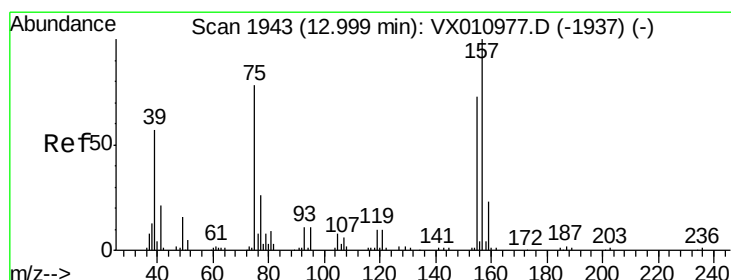
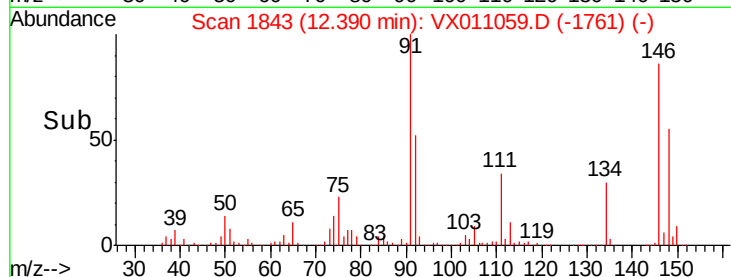
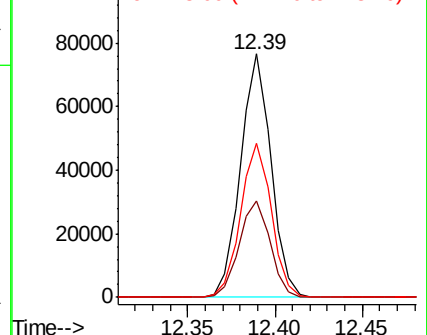
148 63.6 31.5 94.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.945 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

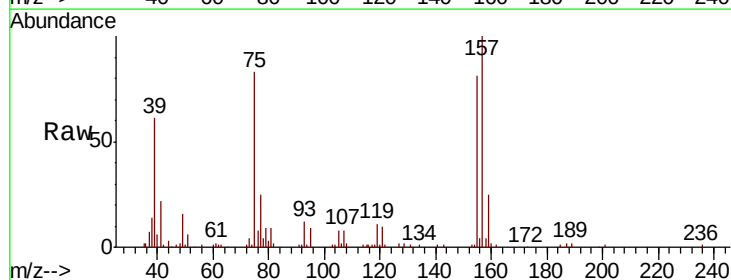
Tgt Ion: 75 Resp: 14530

Ion Ratio Lower Upper

75 100

155 95.7 76.6 115.0

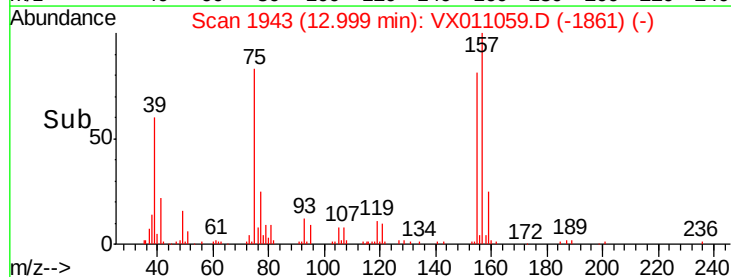
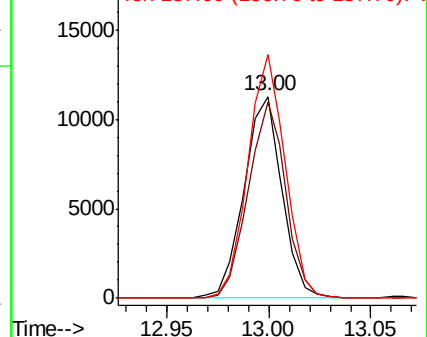
157 117.9 101.0 151.4

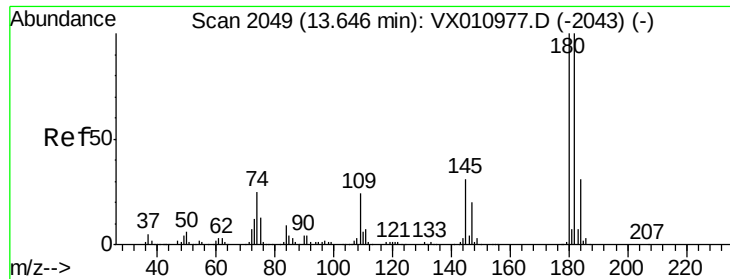


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

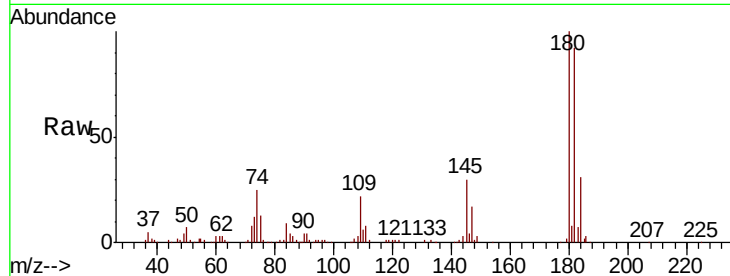




#89
 1,2,4-Trichlorobenzene
 Concen: 17.878 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.6	116.4
145	30.0	23.8	35.6

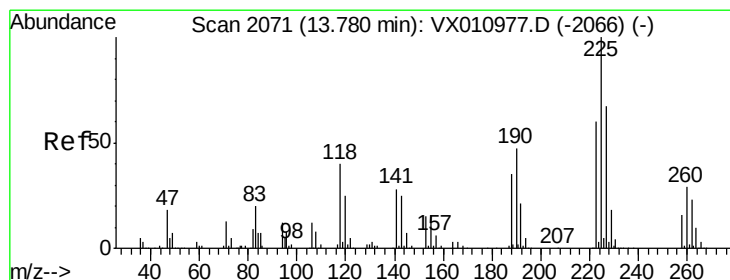
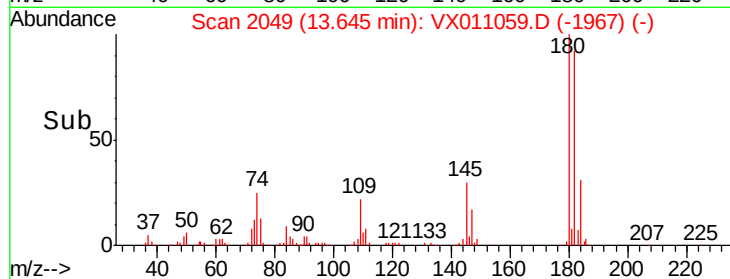
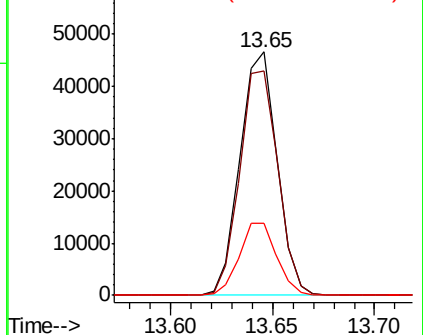


Abundance

Ion 180.00 (179.70 to 180.70): V

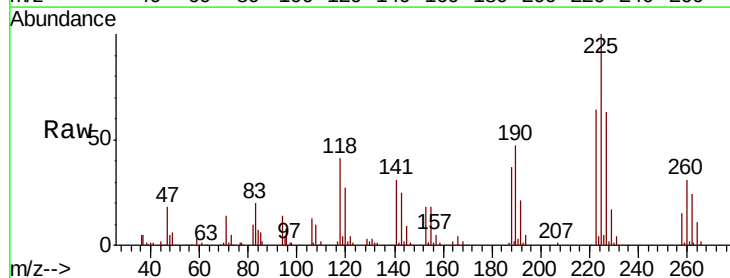
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 14.362 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011059.D
 Acq: 24 Jul 2019 14:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	121.4
227	62.5	0.0	126.6

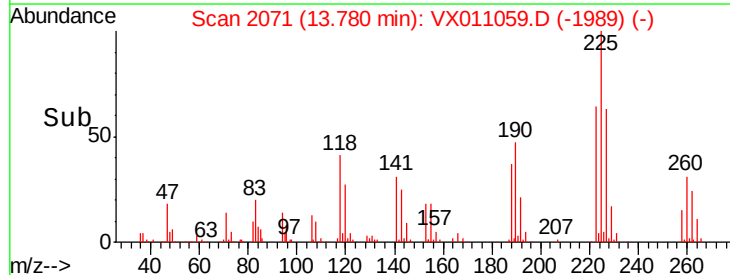
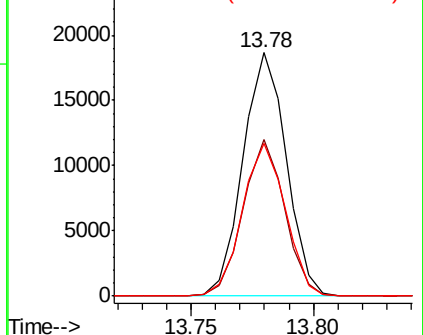


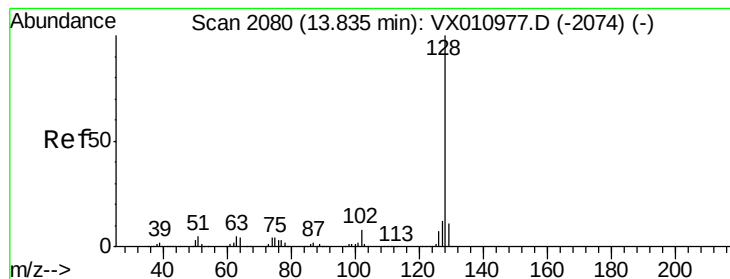
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.010 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

Instrument :

MSVOA_X

ClientSampleId :

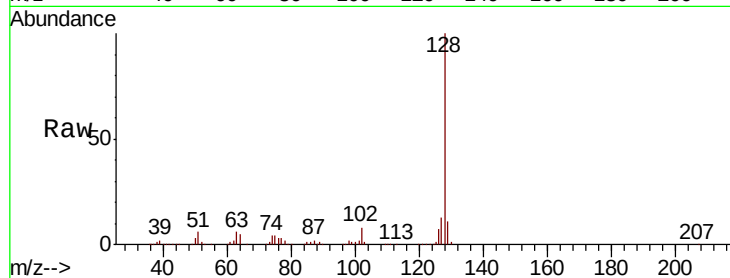
Tot Ion:128 Resp: 191477

Ion Ratio Lower Upper

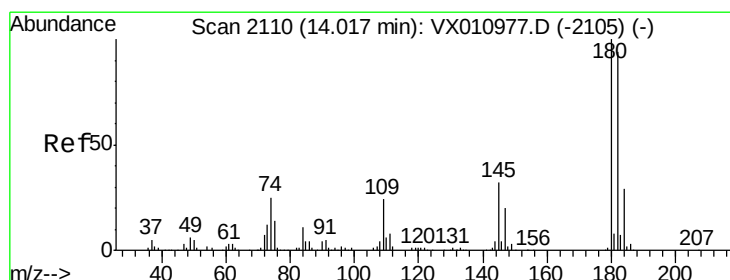
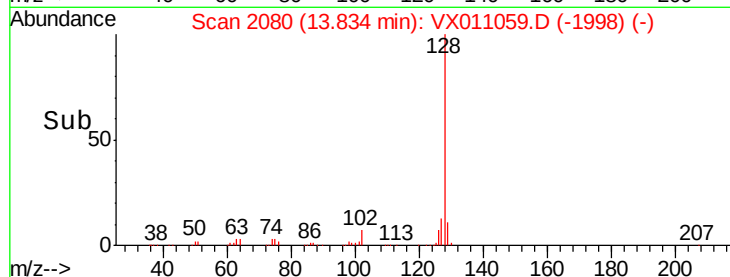
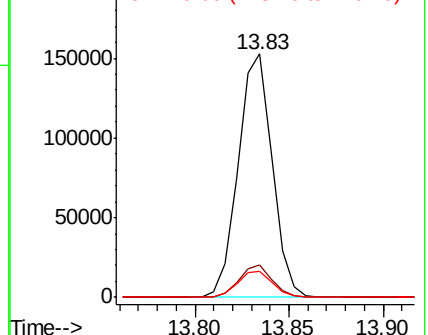
128 100

127 13.1 10.2 15.2

129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.978 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011059.D

Acq: 24 Jul 2019 14:06

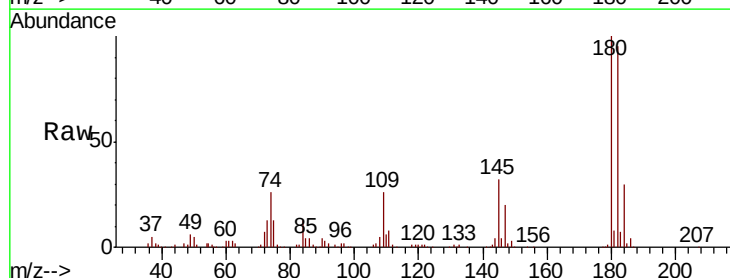
Tgt Ion:180 Resp: 59481

Ion Ratio Lower Upper

180 100

182 99.1 0.0 190.2

145 32.5 0.0 63.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

