

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111518\
 Data File : VX006022.D
 Acq On : 15 Nov 2018 16:13
 Operator : JC/MD
 Sample : VX1115MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 00:16:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	122072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	176426	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	158705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	85104	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	71152	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	5.50	113	60537	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	8.71	98	218037	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	11.14	95	80087	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	19448	17.670	ug/l	100
3) Chloromethane	1.32	50	25215	17.457	ug/l	98
4) Vinyl Chloride	1.40	62	25137	17.335	ug/l	99
5) Bromomethane	1.64	94	15482	17.447	ug/l	95
6) Chloroethane	1.72	64	16019	18.515	ug/l	99
7) Trichlorofluoromethane	1.93	101	35700	18.548	ug/l	100
8) Diethyl Ether	2.19	74	15106	20.029	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	20445	18.469	ug/l	99
10) Methyl Iodide	2.51	142	22758	16.963	ug/l	100
11) Tert butyl alcohol	3.06	59	39421	98.058	ug/l	99
12) 1,1-Dichloroethene	2.37	96	19292	17.880	ug/l	97
13) Acrolein	2.29	56	26392	146.292	ug/l	98
14) Allyl chloride	2.73	41	45270	18.786	ug/l	98
15) Acrylonitrile	3.15	53	83001	99.625	ug/l	99
16) Acetone	2.45	43	71356	94.435	ug/l	98
17) Carbon Disulfide	2.57	76	50970	15.837	ug/l	97
18) Methyl Acetate	2.78	43	43649	20.686	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	75860	20.599	ug/l	99
20) Methylene Chloride	2.86	84	23844	19.210	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	20766	18.247	ug/l	98
22) Diisopropyl ether	3.87	45	81643	19.340	ug/l	91
23) Vinyl Acetate	3.82	43	339876	93.901	ug/l	100
24) 1,1-Dichloroethane	3.69	63	41909	18.608	ug/l	98
25) 2-Butanone	4.70	43	113207	95.297	ug/l	99
26) 2,2-Dichloropropane	4.59	77	32288	19.543	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	24675	19.636	ug/l	98
28) Bromochloromethane	5.01	49	22508	22.361	ug/l	100
29) Tetrahydrofuran	5.15	42	74435	97.588	ug/l	99
30) Chloroform	5.21	83	44883	20.656	ug/l	97
31) Cyclohexane	5.57	56	33938	17.359	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	33475	18.470	ug/l	100
36) 1,1-Dichloropropene	5.81	75	29352	17.258	ug/l	97
37) Ethyl Acetate	4.85	43	40379	18.054	ug/l	99
38) Carbon Tetrachloride	5.78	117	29018	17.043	ug/l	91

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 Misc : 5.0µL/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 00:16:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	31210	18.105	ug/l	98
40) Benzene	6.15	78	90008	18.153	ug/l #	90
41) Methacrylonitrile	5.06	41	22466	18.590	ug/l	97
42) 1,2-Dichloroethane	6.20	62	33102	18.640	ug/l	99
43) Isopropyl Acetate	6.46	43	60210	18.579	ug/l	96
44) Trichloroethene	7.21	130	23569	18.718	ug/l	100
45) 1,2-Dichloropropane	7.52	63	24332	20.219	ug/l	98
46) Dibromomethane	7.66	93	14941	19.785	ug/l	99
47) Bromodichloromethane	7.90	83	28379	19.885	ug/l	98
48) Methyl methacrylate	7.77	41	29623	20.357	ug/l	97
49) 1,4-Dioxane	7.75	88	12492	398.377	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	206407	101.056	ug/l	99
52) Toluene	8.79	92	54341	19.610	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	31488	18.696	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	34531	20.116	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	22780	18.445	ug/l	100
56) Ethyl methacrylate	9.18	69	35078	18.983	ug/l	99
57) 1,3-Dichloropropane	9.37	76	38627	18.612	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	105675	109.753	ug/l	100
59) 2-Hexanone	9.49	43	162732	90.388	ug/l	99
60) Dibromochloromethane	9.59	129	22411	16.791	ug/l	100
61) 1,2-Dibromoethane	9.67	107	23604	17.284	ug/l	100
64) Tetrachloroethene	9.34	164	24204	17.913	ug/l	99
65) Chlorobenzene	10.14	112	62058	19.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	22046	19.945	ug/l	99
67) Ethyl Benzene	10.25	91	103052	20.213	ug/l	100
68) m/p-Xylenes	10.36	106	79885	41.079	ug/l	98
69) o-Xylene	10.70	106	37939	21.757	ug/l	99
70) Styrene	10.71	104	63347	22.022	ug/l	100
71) Bromoform	10.86	173	18320	19.772	ug/l #	97
73) Isopropylbenzene	11.02	105	106057	21.550	ug/l	99
74) N-amyl acetate	10.90	43	51356	19.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	37741	20.893	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	45173	26.068	ug/l	85
77) Bromobenzene	11.26	156	27970	20.163	ug/l	99
78) n-propylbenzene	11.36	91	121312	20.916	ug/l	100
79) 2-Chlorotoluene	11.42	91	73513	20.969	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	88313	21.116	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	10919	20.082	ug/l	96
82) 4-Chlorotoluene	11.51	91	85749	20.754	ug/l	100
83) tert-Butylbenzene	11.77	119	86911	20.541	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	91137	19.673	ug/l	100
85) sec-Butylbenzene	11.94	105	106648	20.612	ug/l	100
86) p-Isopropyltoluene	12.07	119	93772	20.461	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	52165	19.595	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	52422	19.236	ug/l	99
89) n-Butylbenzene	12.39	91	81201	19.117	ug/l	99
90) Hexachloroethane	12.60	117	14424	18.851	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	51541	19.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8638	19.596	ug/l	97

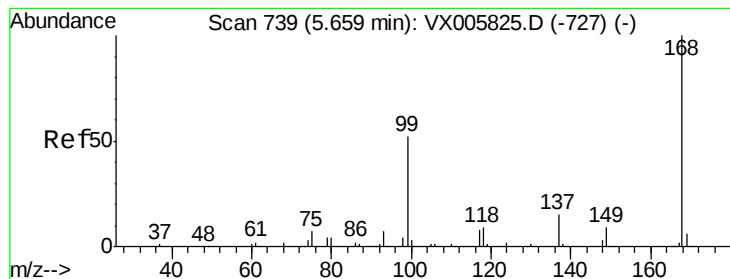
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111518\
Data File : VX006022.D
Acq On : 15 Nov 2018 16:13
Operator : JC/MD
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	37512	19.980	ug/l	99
94) Hexachlorobutadiene	13.79	225	18722	18.984	ug/l	98
95) Naphthalene	13.83	128	118778	20.120	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	38841	20.307	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

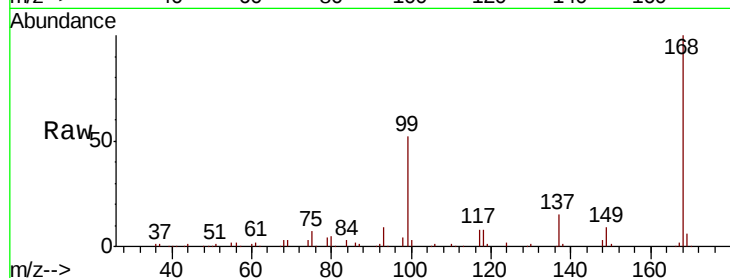
ClientSampled :

Tot Ion:168 Resp: 122072

Ion Ratio Lower Upper

168 100

99 52.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

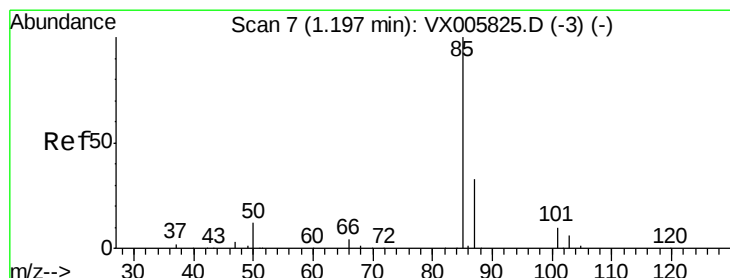
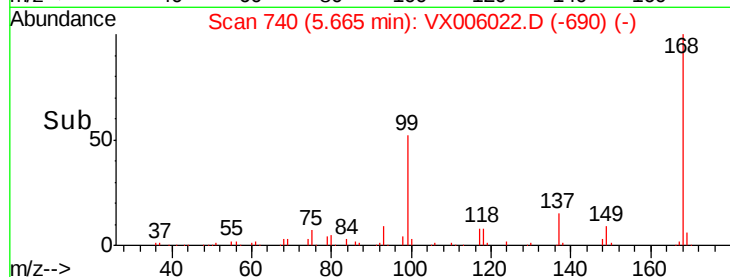
20000

10000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.670 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006022.D

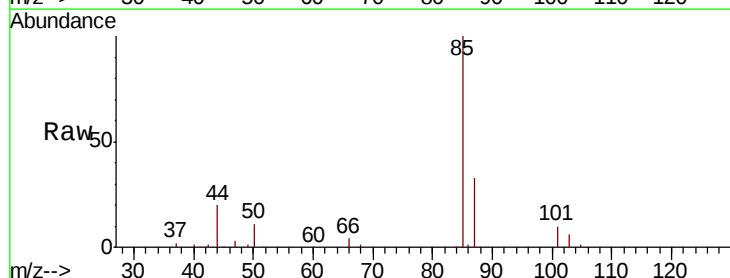
Acq: 15 Nov 2018 16:13

Tgt Ion: 85 Resp: 19448

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

20000

15000

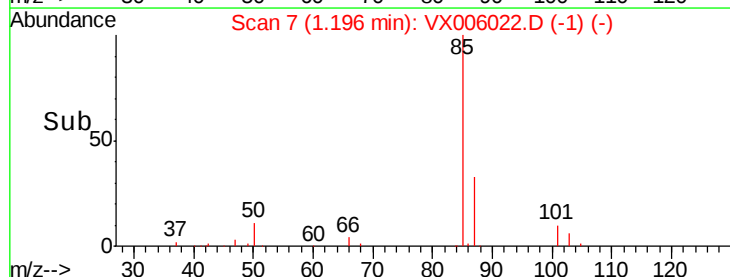
10000

5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.457 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

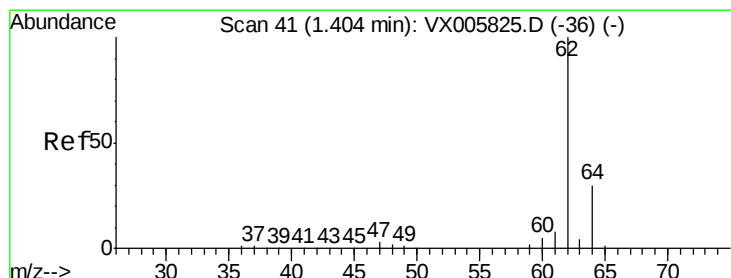
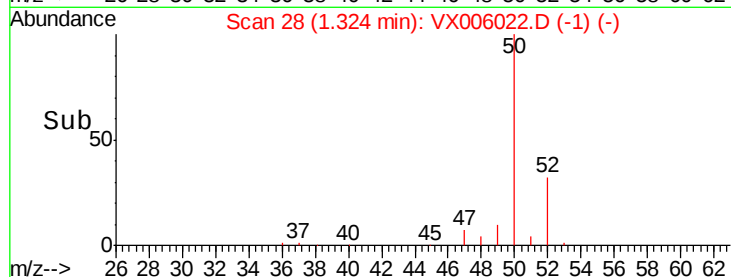
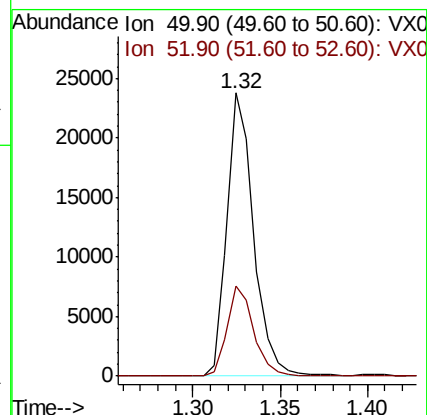
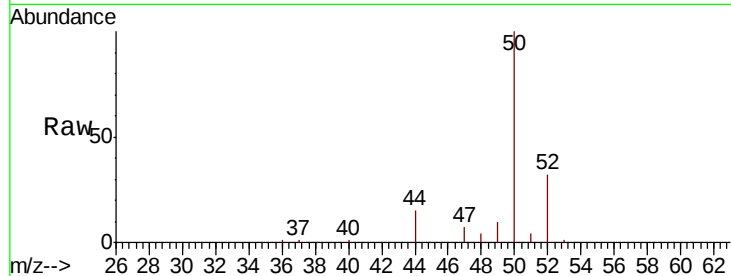
ClientSampled :

Tot Ion: 50 Resp: 25215

Ion Ratio Lower Upper

50 100

52 31.7 26.2 39.2



#4

Vinyl Chloride

Concen: 17.335 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX006022.D

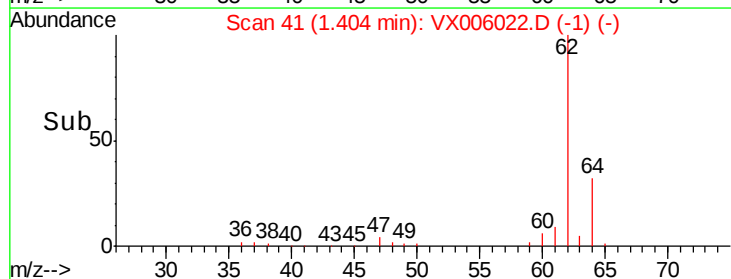
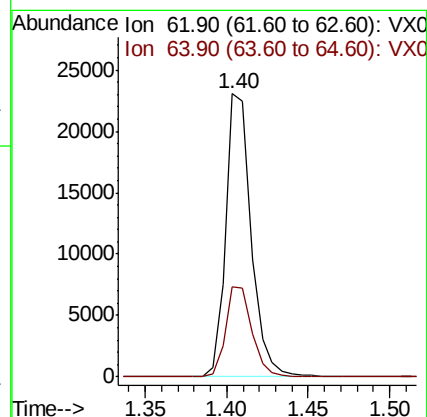
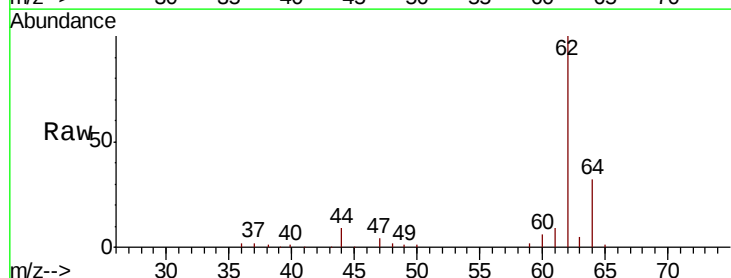
Acq: 15 Nov 2018 16:13

Tgt Ion: 62 Resp: 25137

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 17.447 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

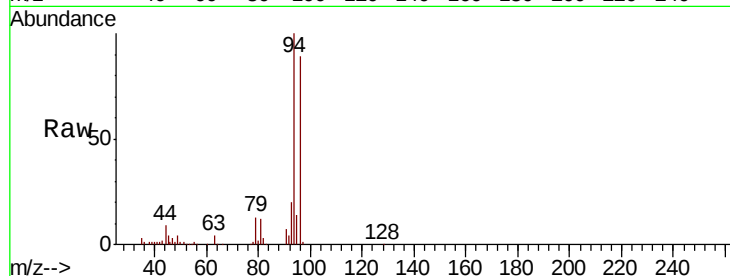
ClientSampleId :

Tot Ion: 94 Resp: 15482

Ion Ratio Lower Upper

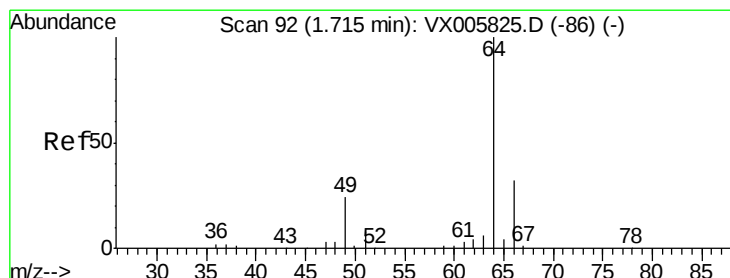
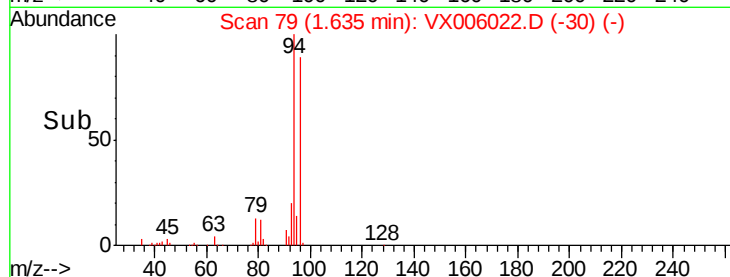
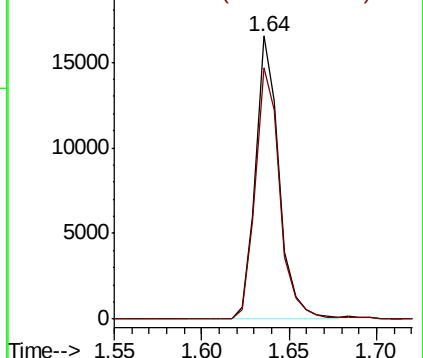
94 100

96 88.9 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.515 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006022.D

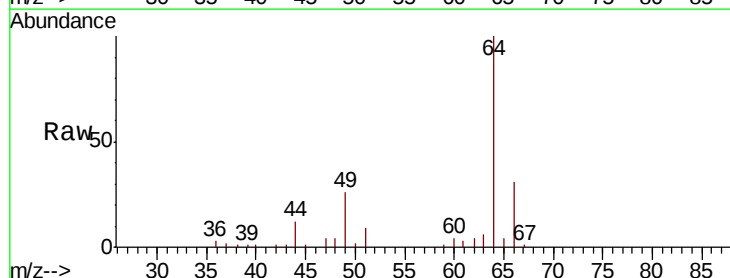
Acq: 15 Nov 2018 16:13

Tgt Ion: 64 Resp: 16019

Ion Ratio Lower Upper

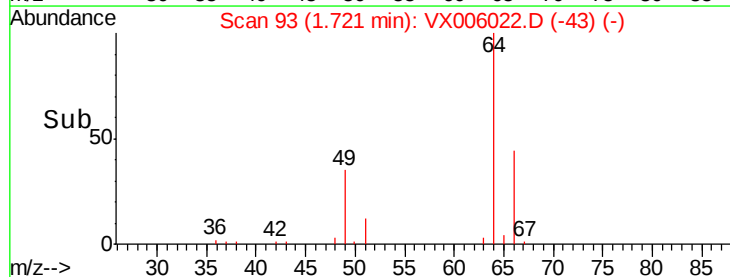
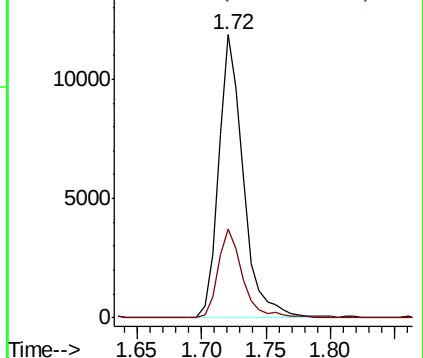
64 100

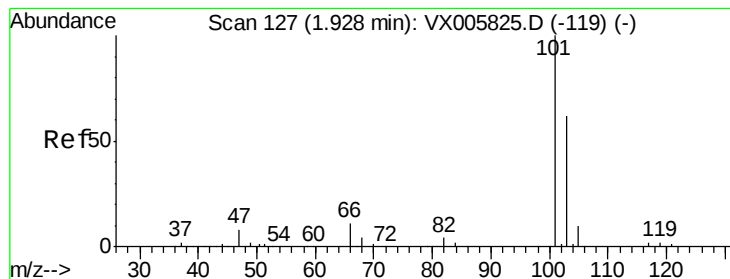
66 31.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



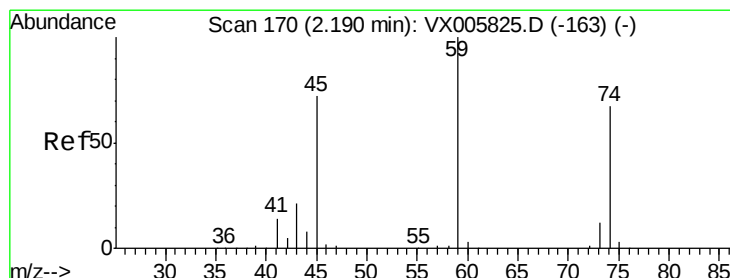
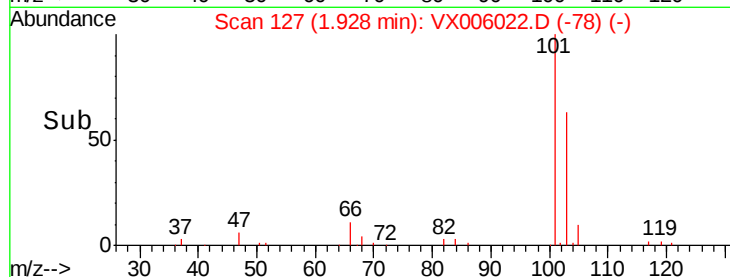
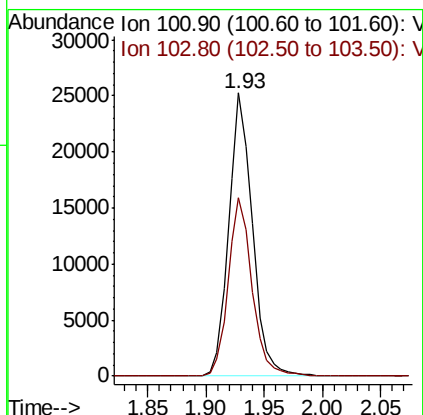
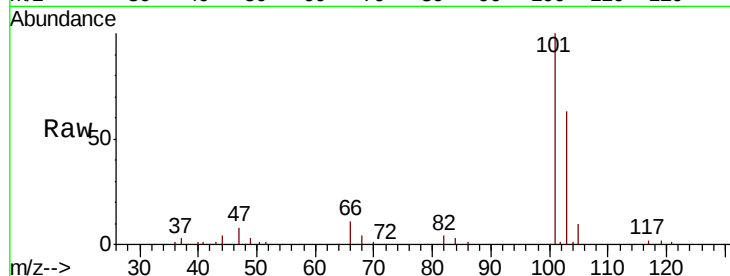


#7

Trichlorofluoromethane
 Concen: 18.548 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

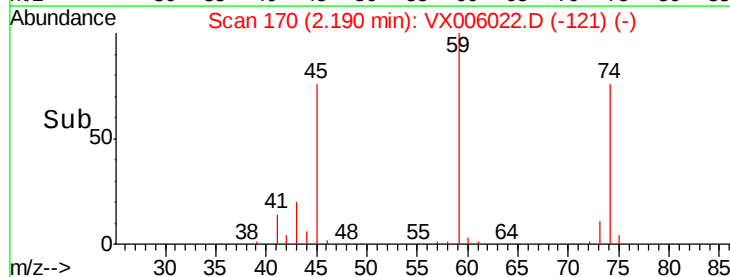
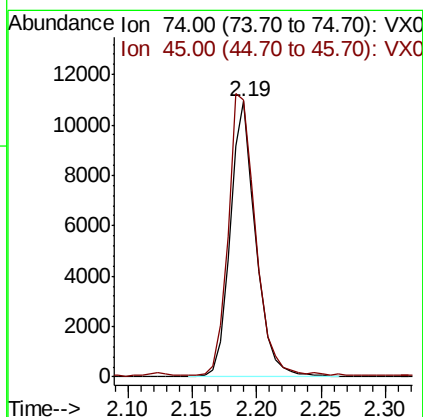
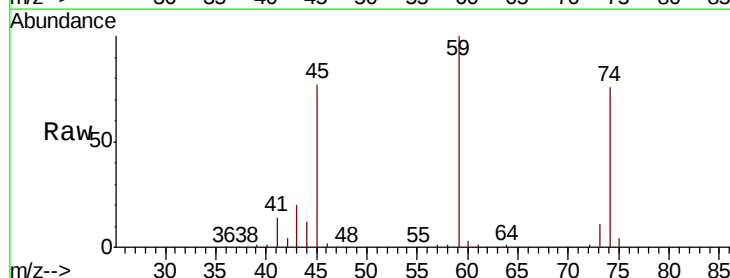
Tot Ion:101 Resp: 35700
 Ion Ratio Lower Upper
 101 100
 103 62.8 50.0 75.0



#8

Diethyl Ether
 Concen: 20.029 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion: 74 Resp: 15106
 Ion Ratio Lower Upper
 74 100
 45 109.4 54.1 162.3

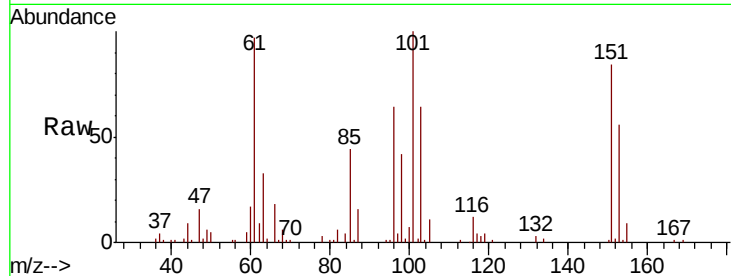




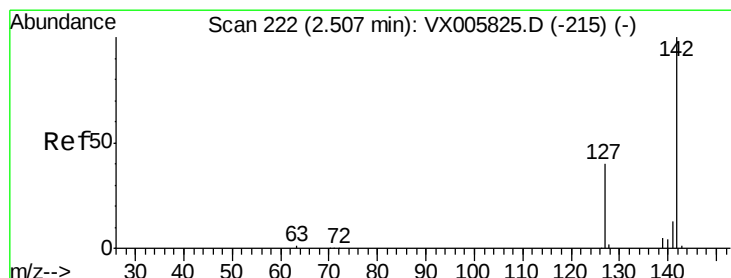
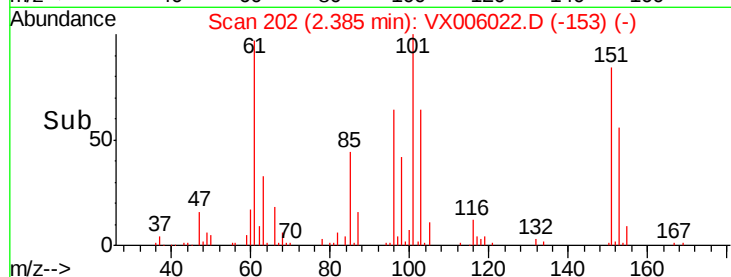
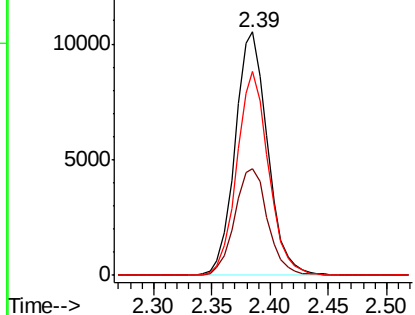
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.469 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:101 Resp: 20445
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.0 52.4
 151 81.9 66.2 99.2

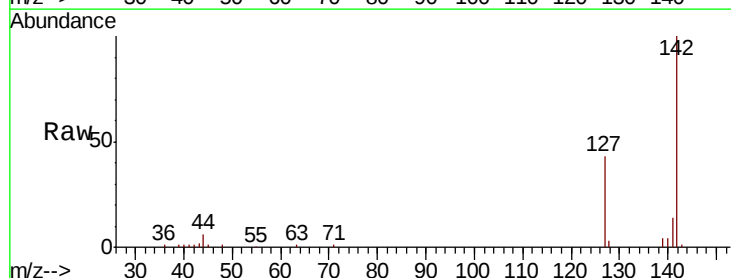


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

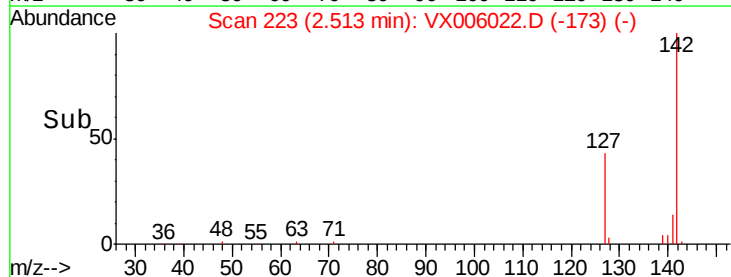
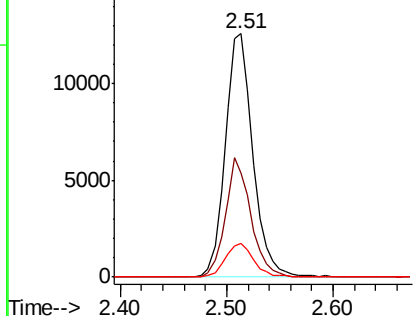


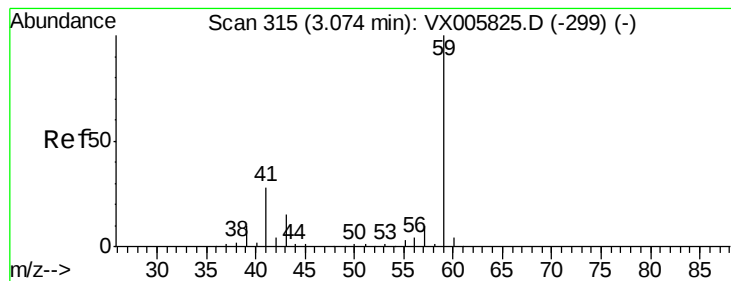
#10
 Methyl Iodide
 Concen: 16.963 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion:142 Resp: 22758
 Ion Ratio Lower Upper
 142 100
 127 45.1 36.0 54.0
 141 14.1 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



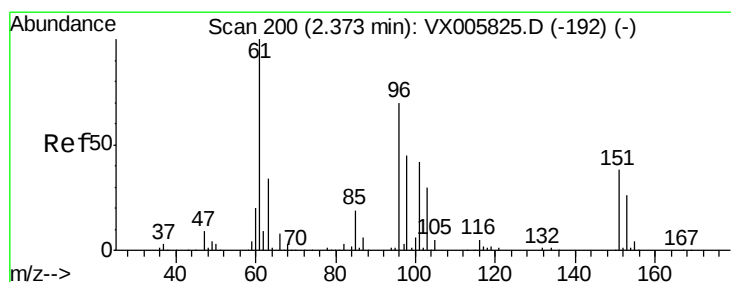
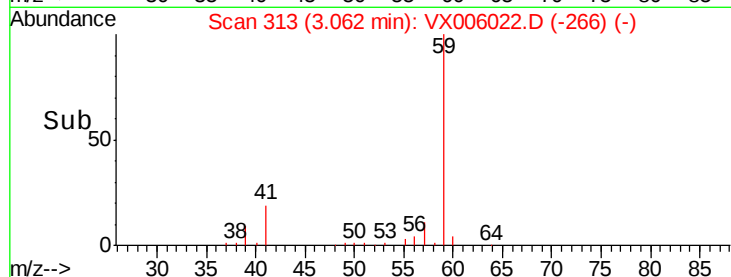
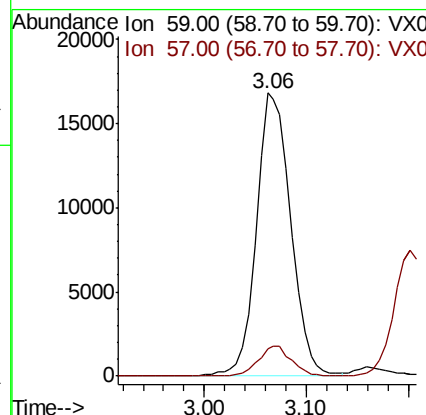
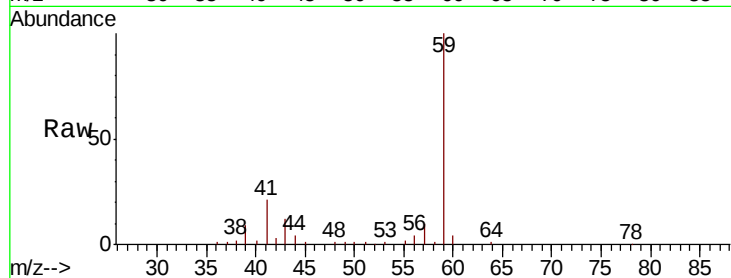


#11

Tert butyl alcohol
 Concen: 98.058 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

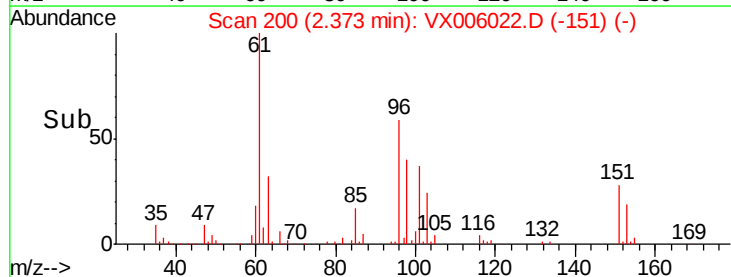
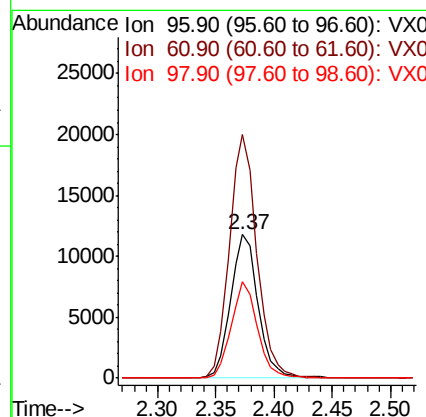
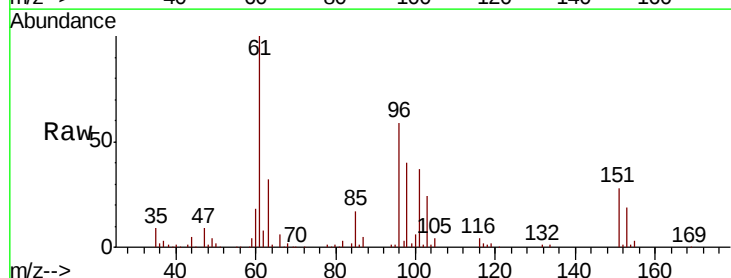
Tot Ion: 59 Resp: 39421
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.5 12.7

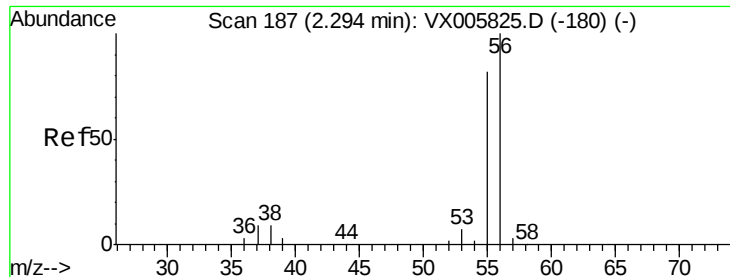


#12

1,1-Dichloroethene
 Concen: 17.880 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion: 96 Resp: 19292
 Ion Ratio Lower Upper
 96 100
 61 169.9 131.8 197.8
 98 67.3 53.4 80.2





#13

Acrolein

Concen: 146.292 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

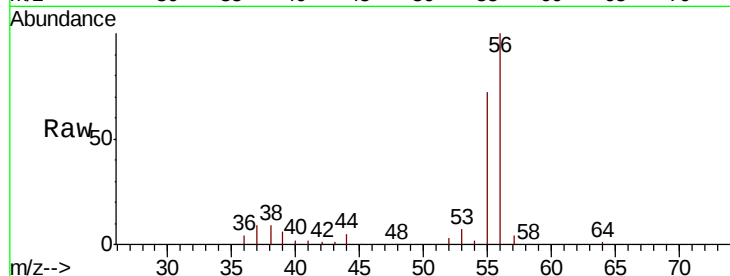
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 26392

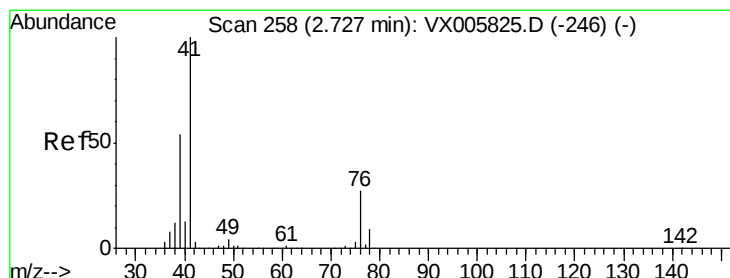
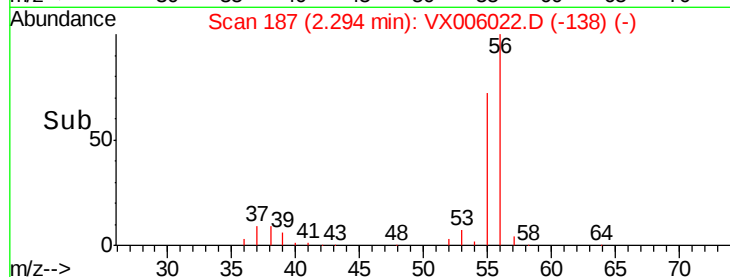
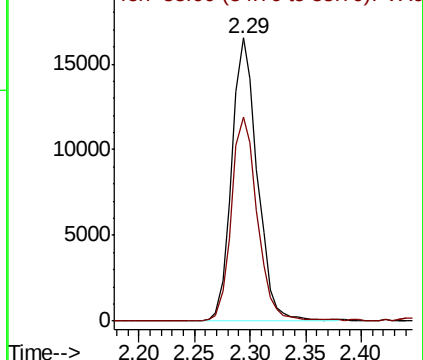
Ion Ratio Lower Upper

56 100

55 73.1 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.786 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

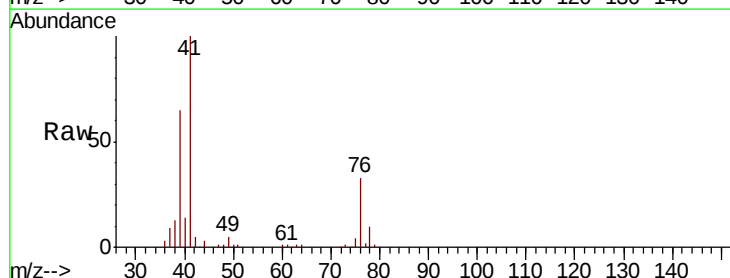
Tgt Ion: 41 Resp: 45270

Ion Ratio Lower Upper

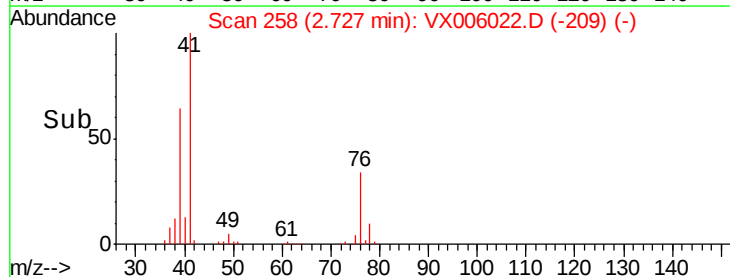
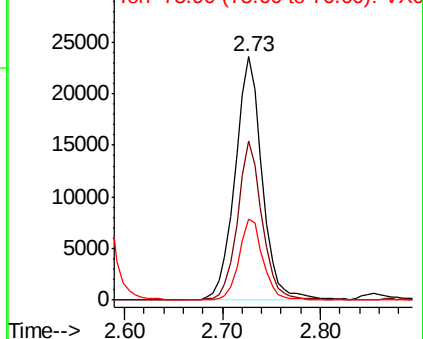
41 100

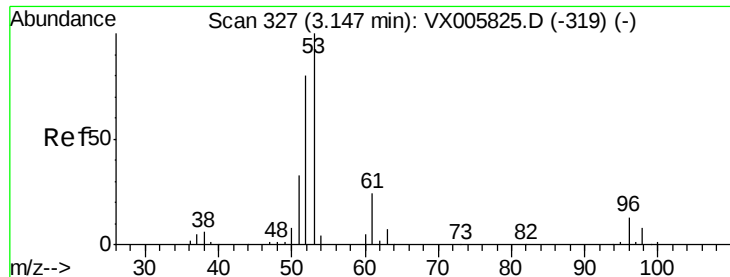
39 59.6 48.2 72.4

76 29.5 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 99.625 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampled :

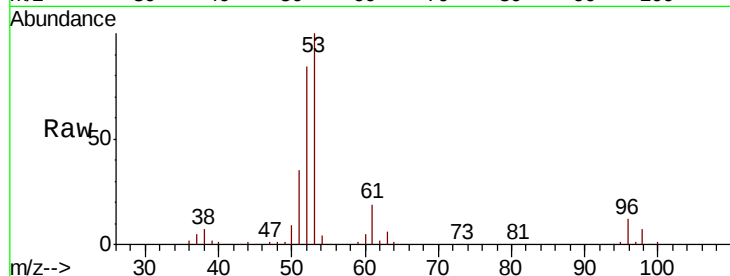
Tot Ion: 53 Resp: 83001

Ion Ratio Lower Upper

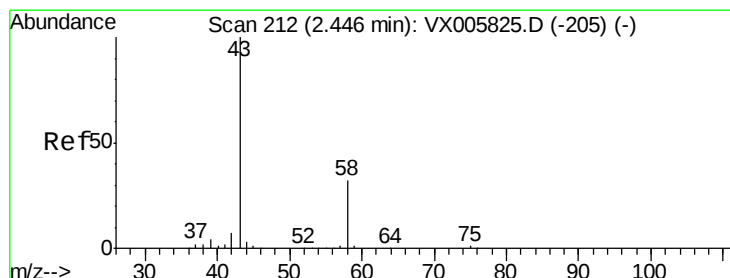
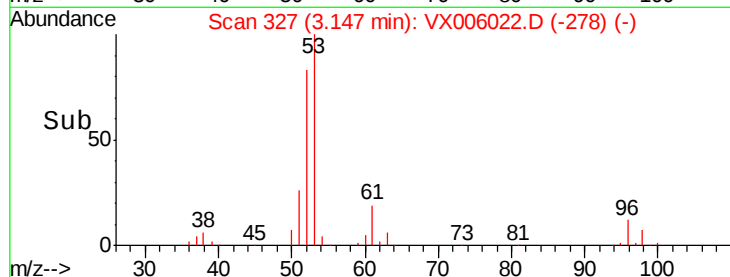
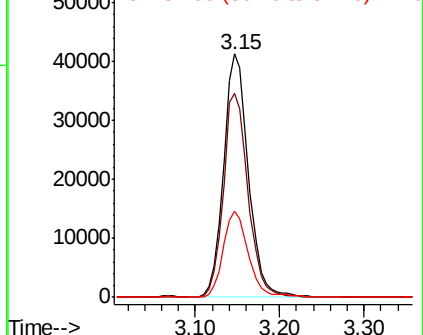
53 100

52 84.0 66.6 99.8

51 36.7 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 94.435 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006022.D

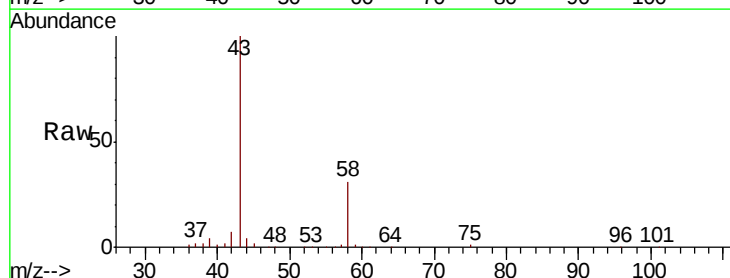
Acq: 15 Nov 2018 16:13

Tgt Ion: 43 Resp: 71356

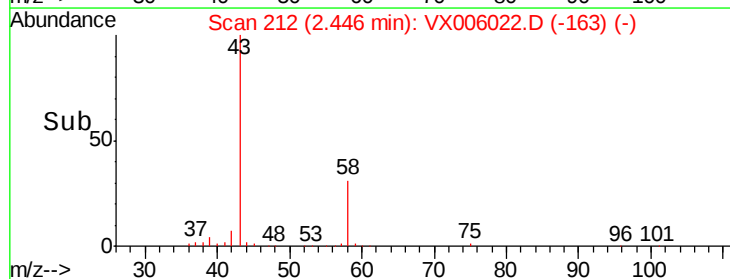
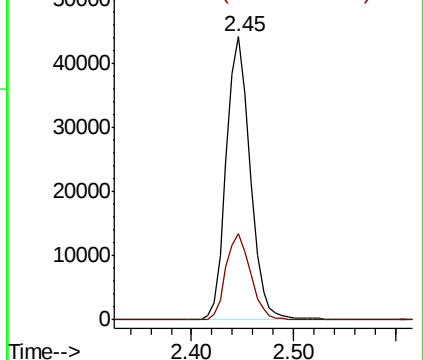
Ion Ratio Lower Upper

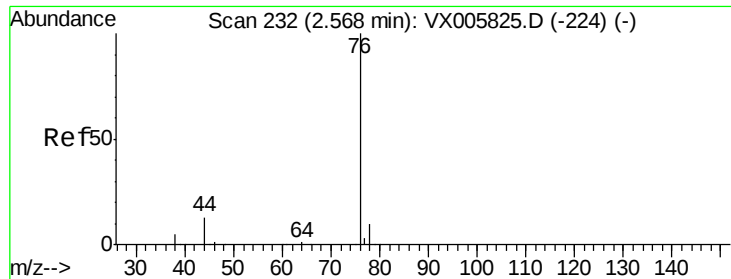
43 100

58 30.6 23.8 35.6



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

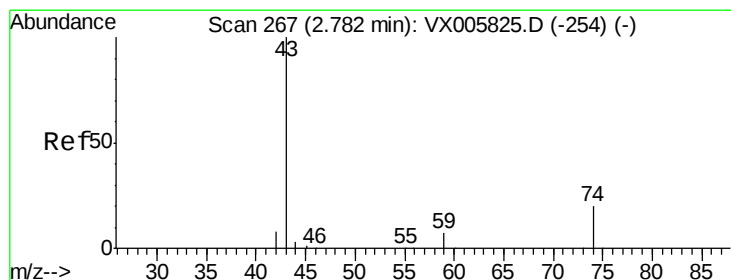
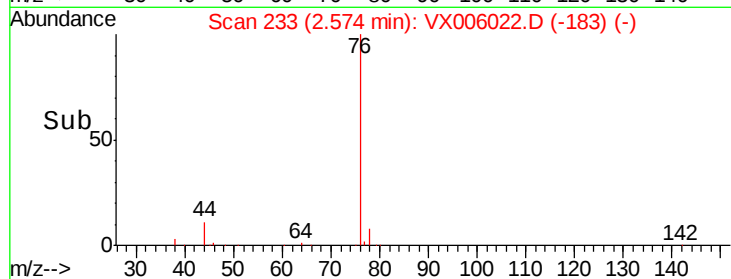
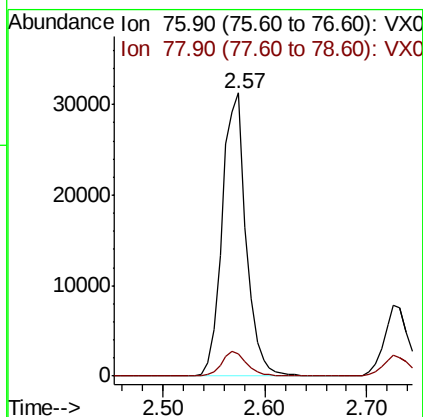
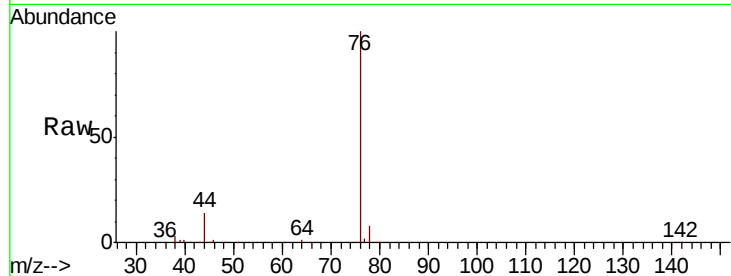




#17
Carbon Disulfide
Concen: 15.837 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

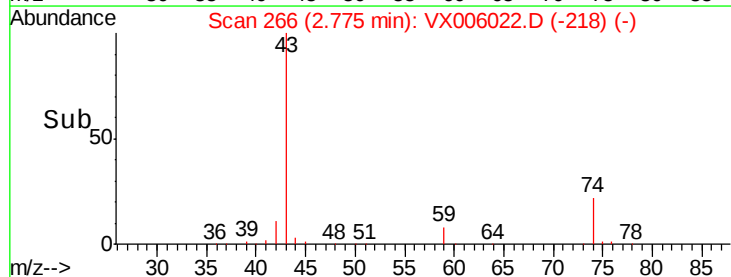
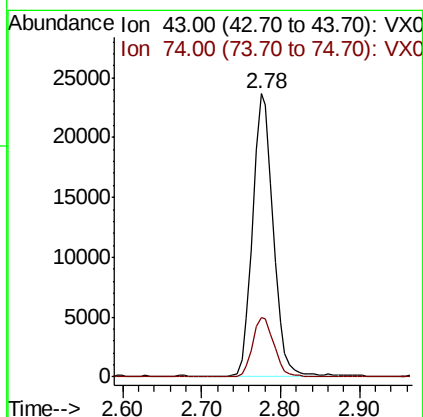
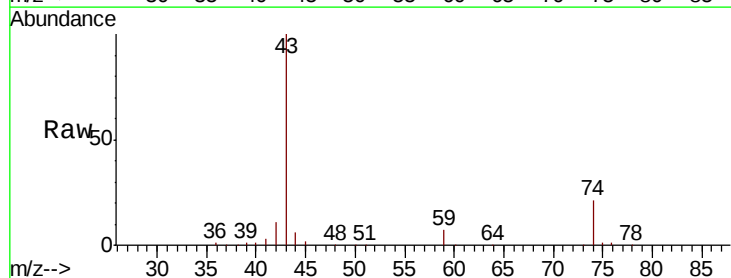
Instrument :
MSVOA_X
ClientSampleId :

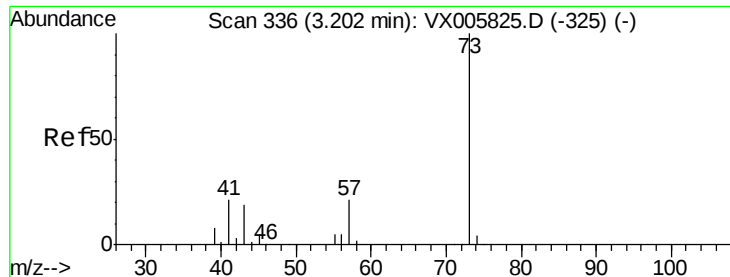
Tot Ion: 76 Resp: 50970
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#18
Methyl Acetate
Concen: 20.686 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 43 Resp: 43649
Ion Ratio Lower Upper
43 100
74 21.6 16.8 25.2

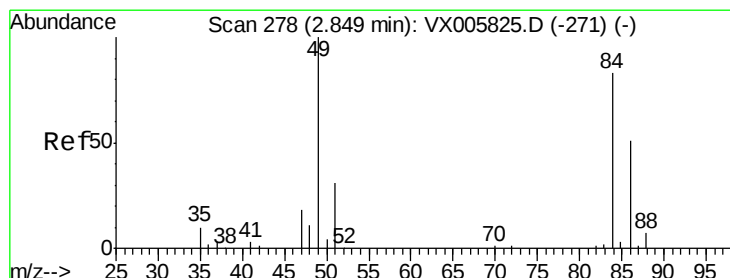
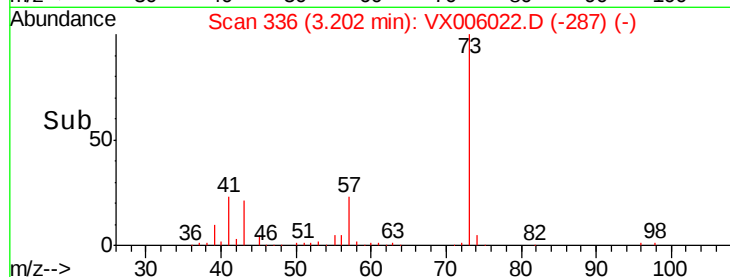
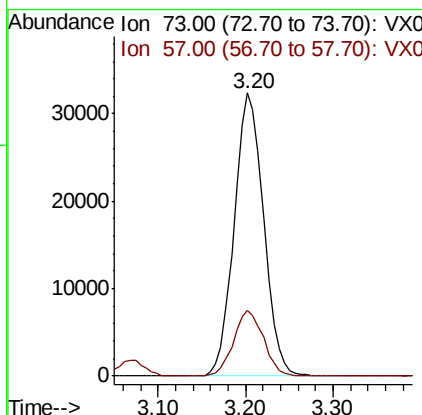
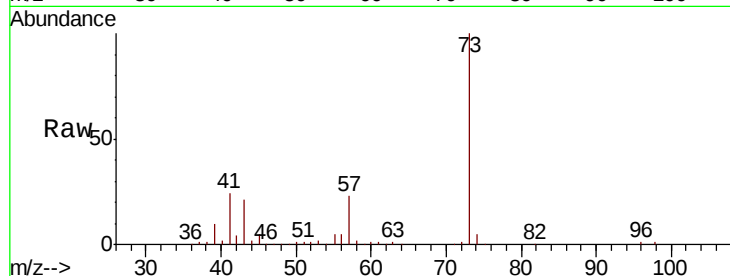




#19
Methvl tert-butvl Ether
Concen: 20.599 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

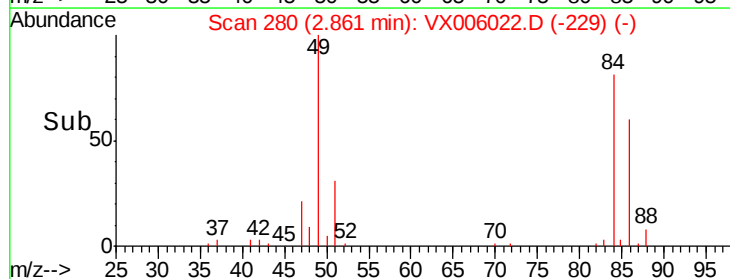
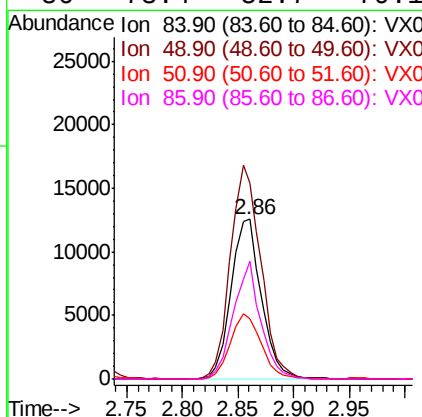
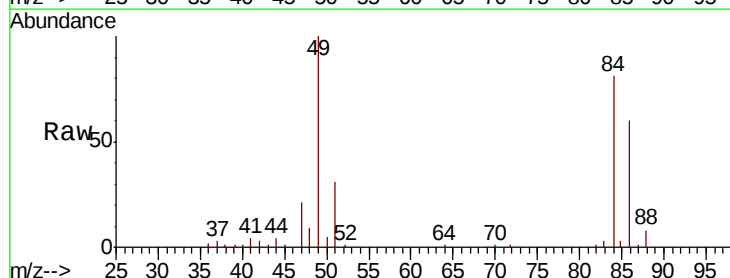
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 73 Resp: 75860
Ion Ratio Lower Upper
73 100
57 23.0 18.8 28.2



#20
Methylene Chloride
Concen: 19.210 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 84 Resp: 23844
Ion Ratio Lower Upper
84 100
49 122.9 109.5 164.3
51 37.6 33.3 49.9
86 73.4 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 18.247 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

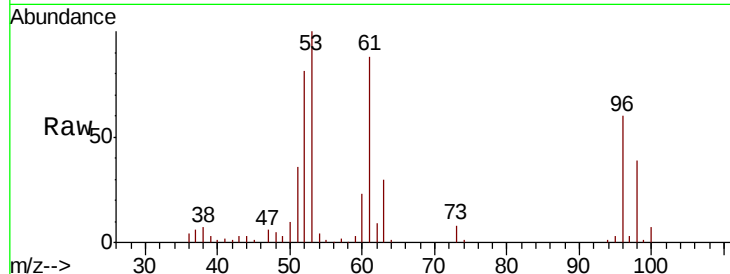
Tot Ion: 96 Resp: 20766

Ion Ratio Lower Upper

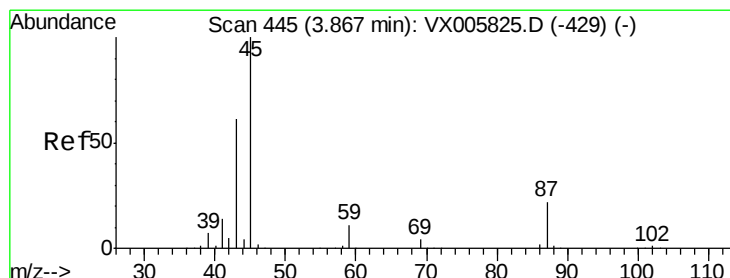
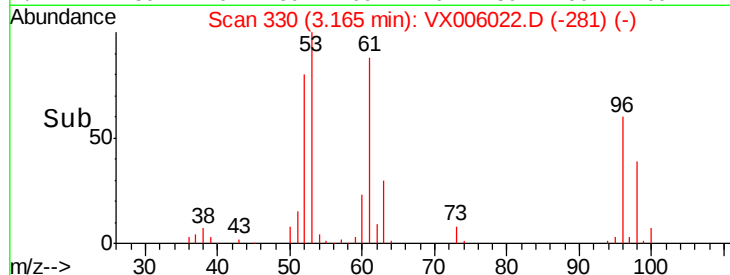
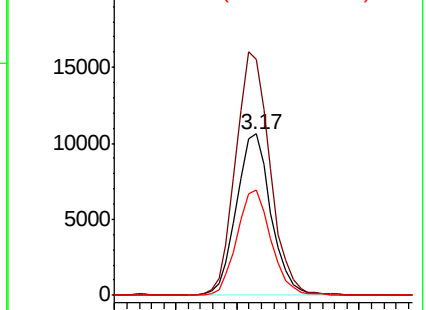
96 100

61 146.6 115.6 173.4

98 65.7 50.2 75.2



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



#22

Diisopropyl ether

Concen: 19.340 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Tgt Ion: 45 Resp: 81643

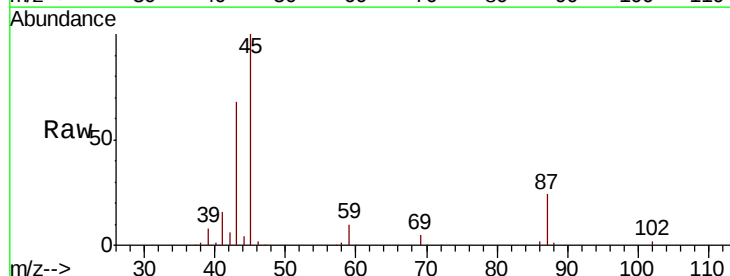
Ion Ratio Lower Upper

45 100

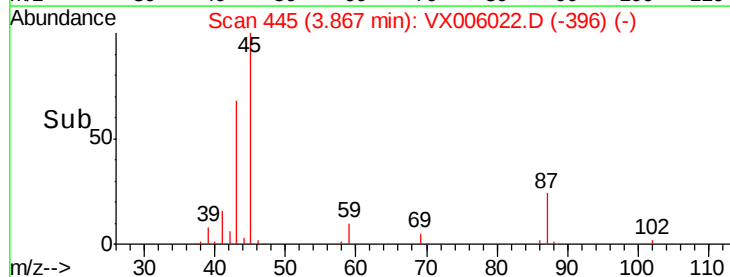
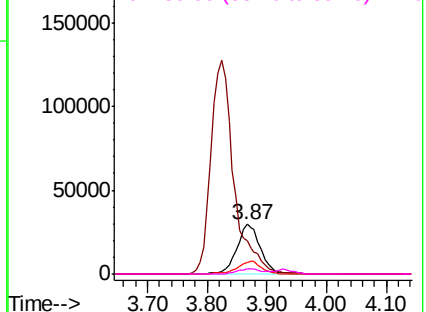
43 67.5 47.4 71.2

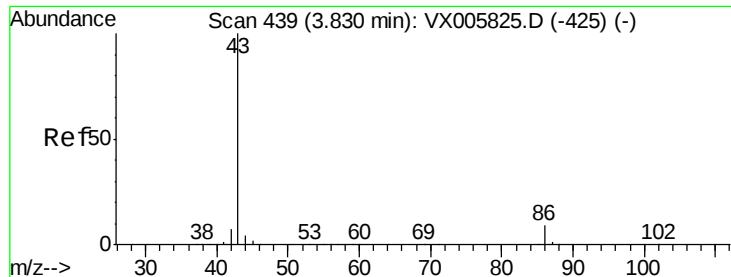
87 23.8 15.9 23.9

59 10.4 7.7 11.5



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 93.901 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

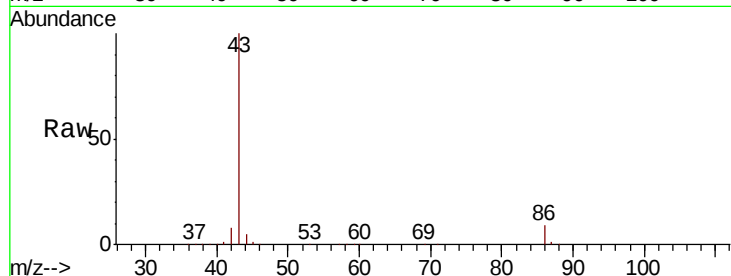
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 339876

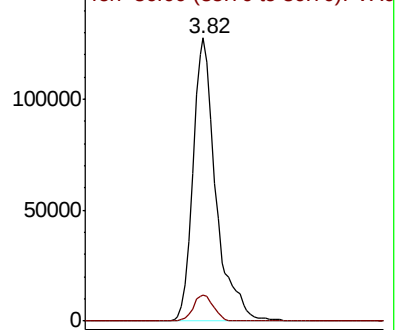
Ion Ratio Lower Upper

43 100

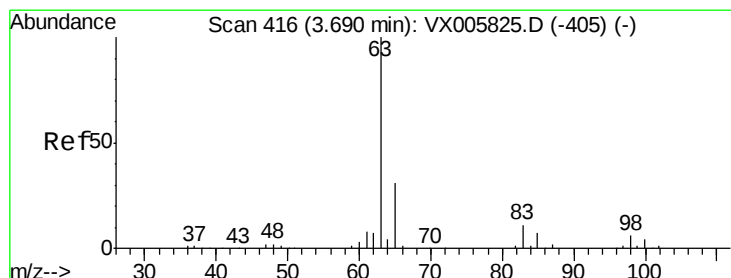
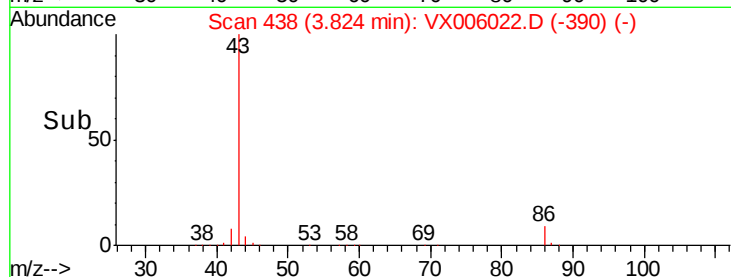
86 9.3 7.4 11.2



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



Time-->



#24

1,1-Dichloroethane

Concen: 18.608 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

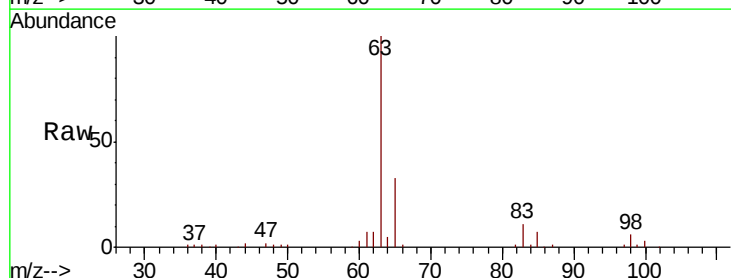
Tgt Ion: 63 Resp: 41909

Ion Ratio Lower Upper

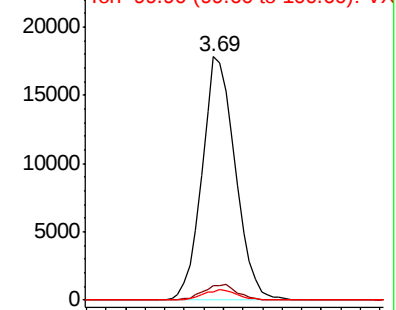
63 100

98 5.9 3.2 9.6

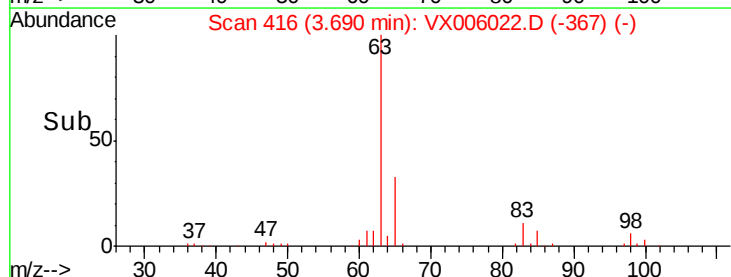
100 3.5 2.1 6.2

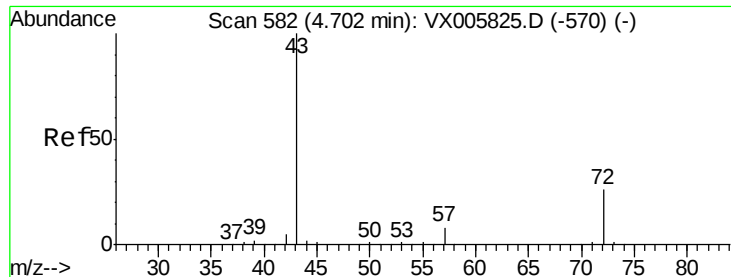


Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 95.297 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

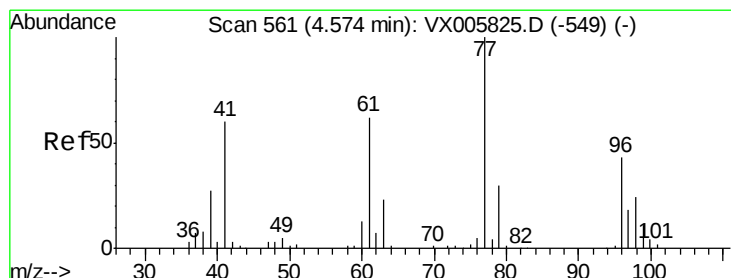
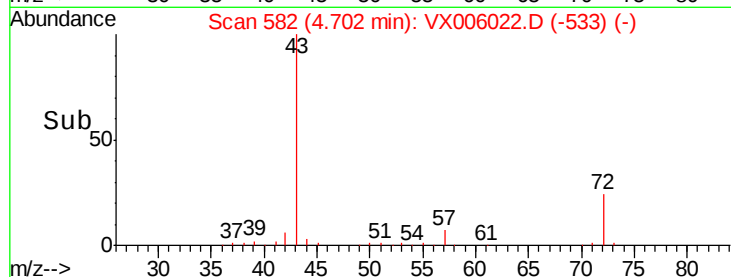
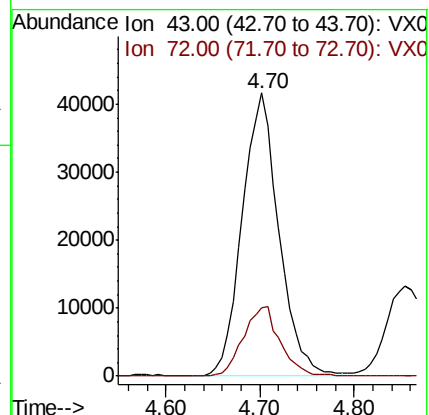
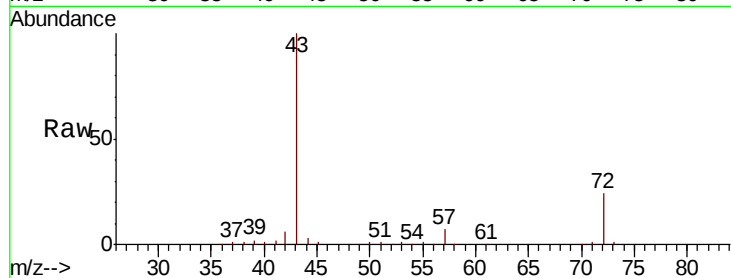
ClientSampled :

Tot Ion: 43 Resp: 113207

Ion Ratio Lower Upper

43 100

72 24.3 19.2 28.8



#26

2,2-Dichloropropane

Concen: 19.543 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006022.D

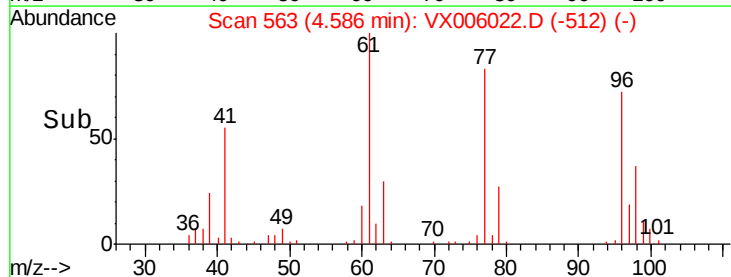
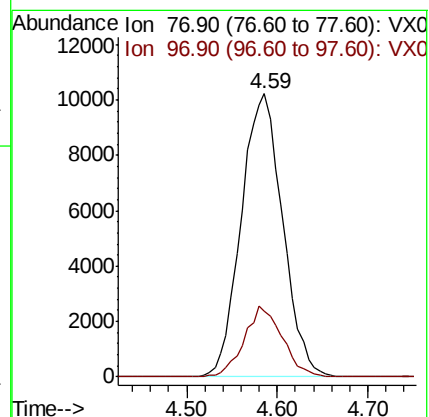
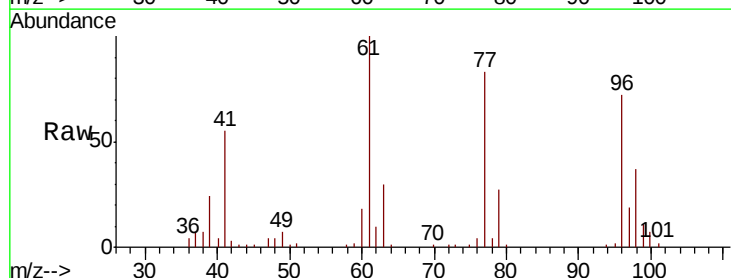
Acq: 15 Nov 2018 16:13

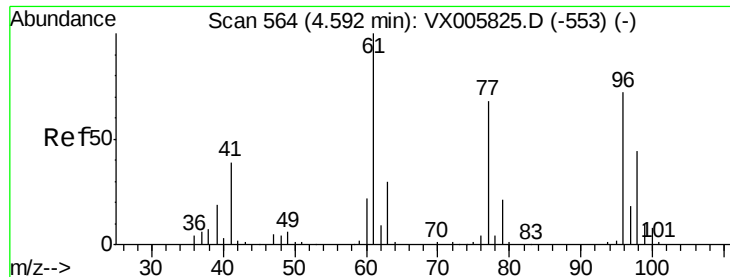
Tgt Ion: 77 Resp: 32288

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5



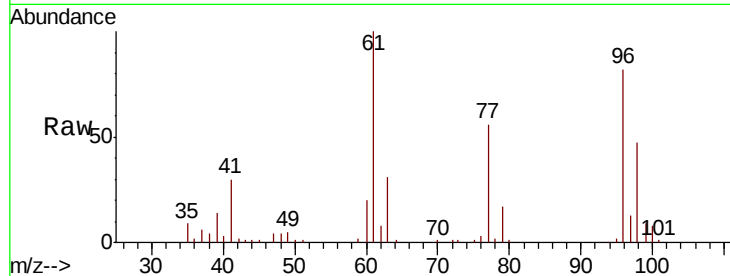


#27

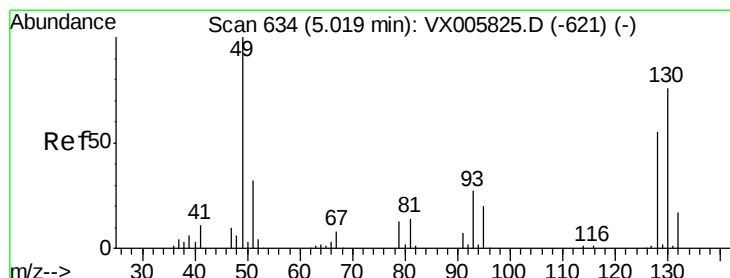
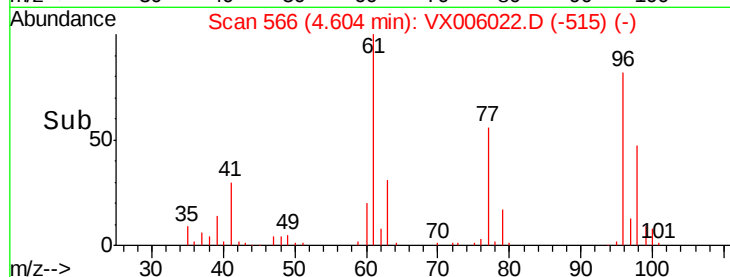
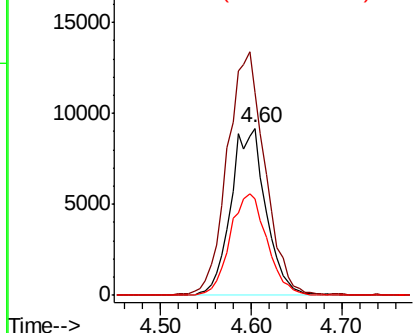
cis-1,2-Dichloroethene
Concen: 19.636 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 24675
Ion Ratio Lower Upper
96 100
61 156.5 0.0 304.6
98 63.8 0.0 127.4



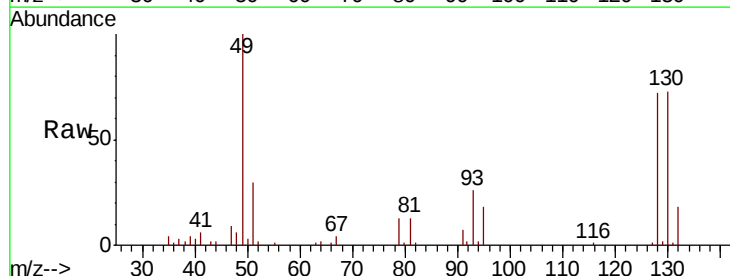
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



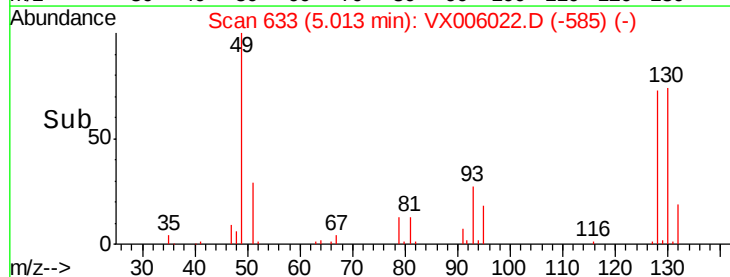
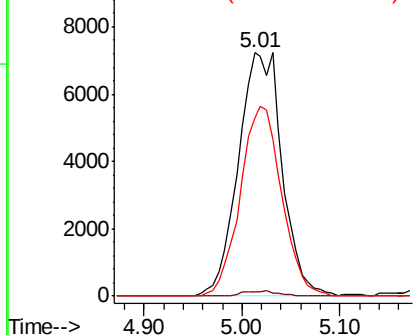
#28

Bromochloromethane
Concen: 22.361 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 49 Resp: 22508
Ion Ratio Lower Upper
49 100
129 1.6 0.0 4.0
130 73.3 58.9 88.3



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

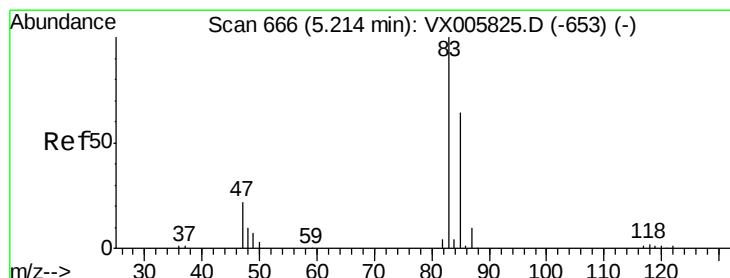
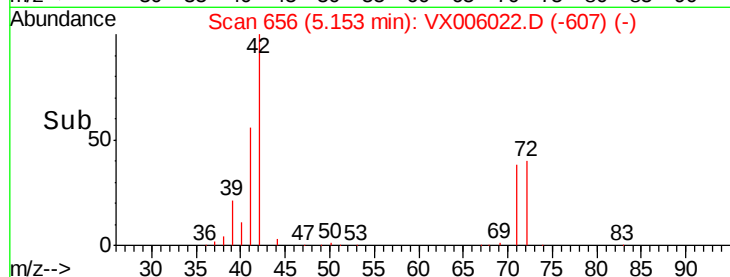
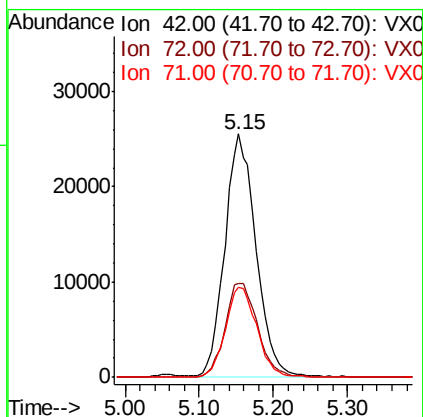
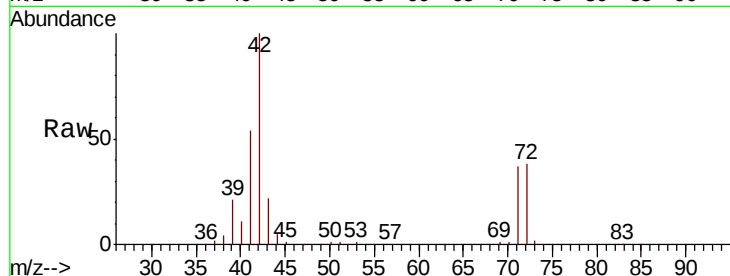




#29
Tetrahydrofuran
Concen: 97.588 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

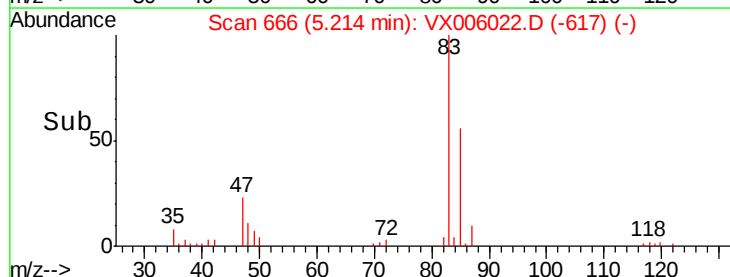
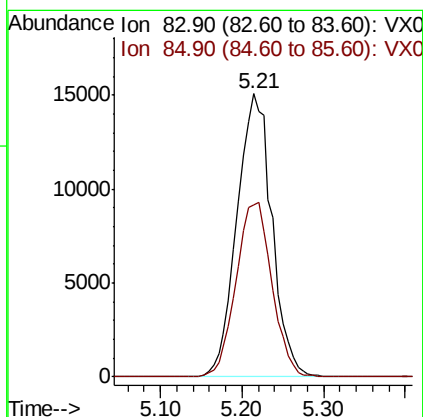
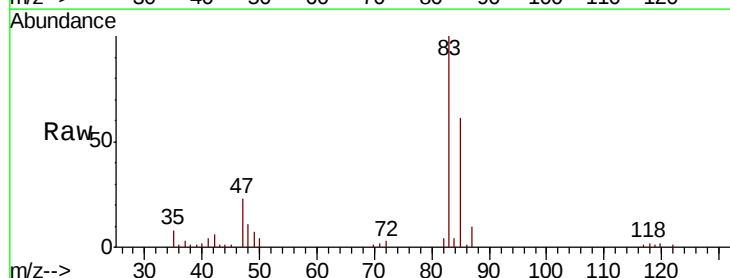
Instrument :
MSVOA_X
ClientSampled :

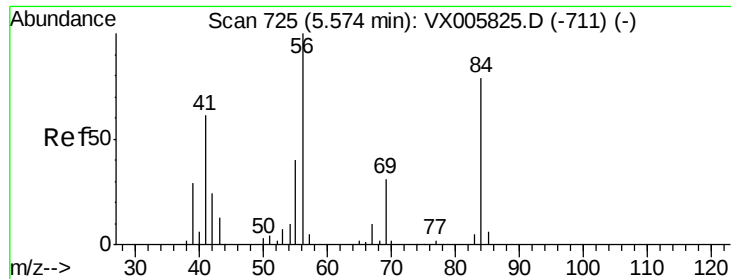
Tot Ion: 42 Resp: 74435
Ion Ratio Lower Upper
42 100
72 40.6 32.0 48.0
71 37.6 29.8 44.8



#30
Chloroform
Concen: 20.656 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 83 Resp: 44883
Ion Ratio Lower Upper
83 100
85 60.8 50.6 76.0

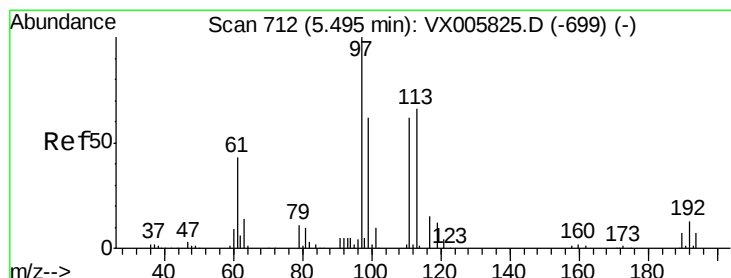
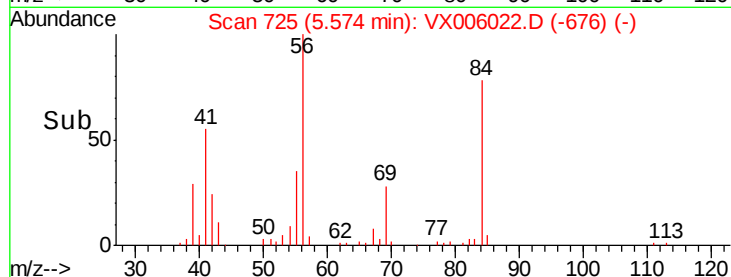
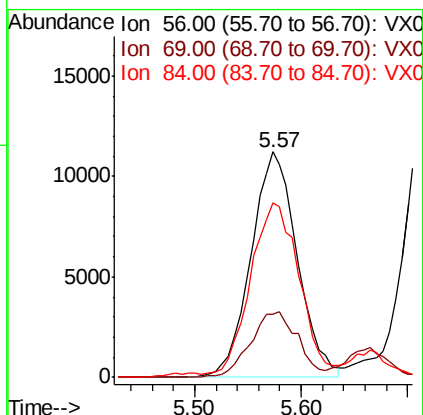
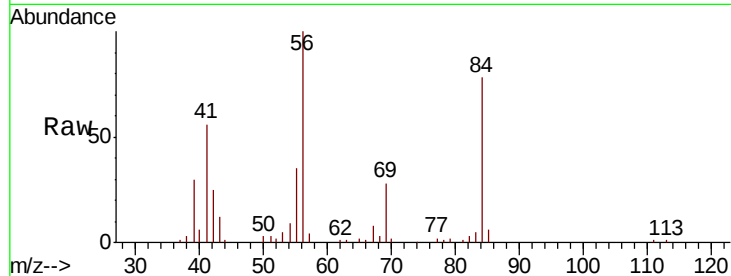




#31
Cyclohexane
Concen: 17.359 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

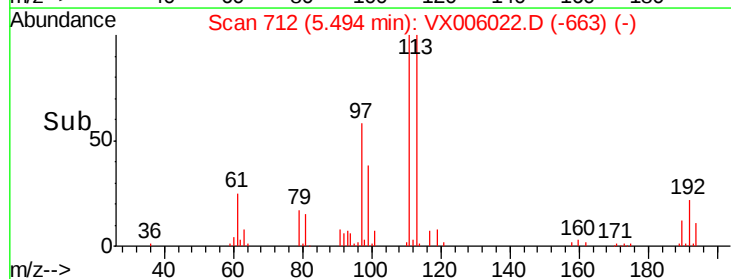
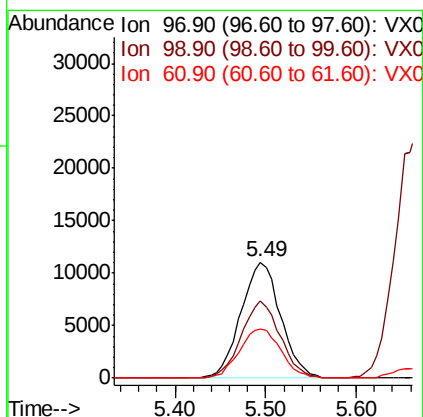
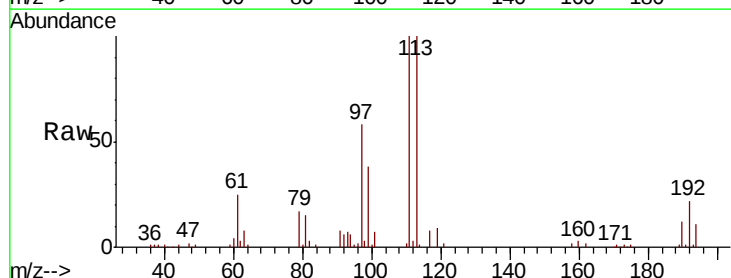
Instrument :
MSVOA_X
ClientSampleId :

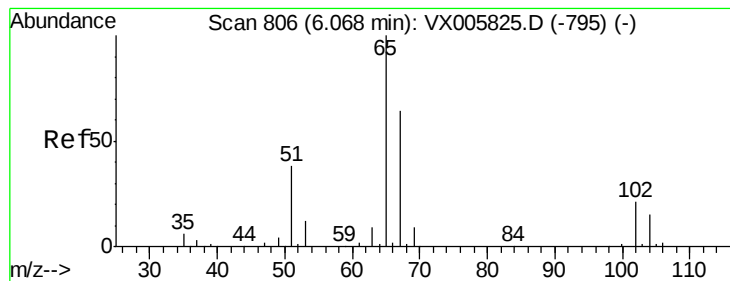
Tot Ion: 56 Resp: 33938
Ion Ratio Lower Upper
56 100
69 27.9 22.6 34.0
84 75.9 62.7 94.1



#32
1,1,1-Trichloroethane
Concen: 18.470 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 97 Resp: 33475
Ion Ratio Lower Upper
97 100
99 65.0 52.3 78.5
61 44.3 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 50.701 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

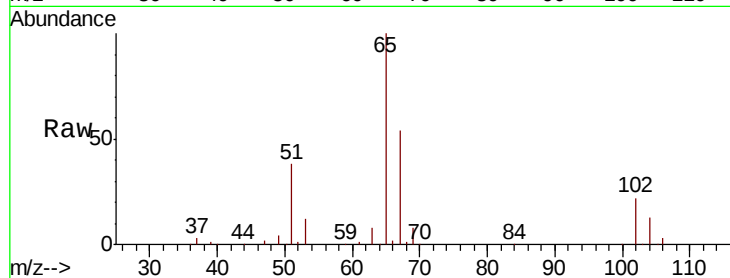
ClientSampleId :

Tot Ion: 65 Resp: 71152

Ion Ratio Lower Upper

65 100

67 54.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

30000

25000

20000

15000

10000

5000

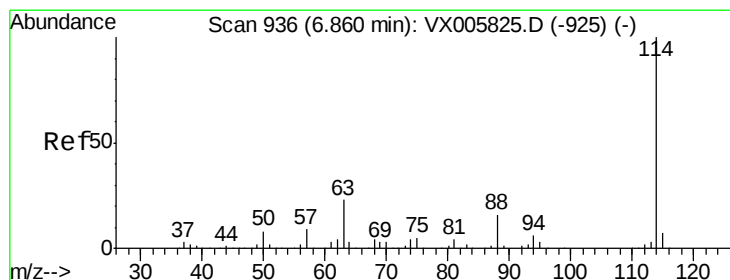
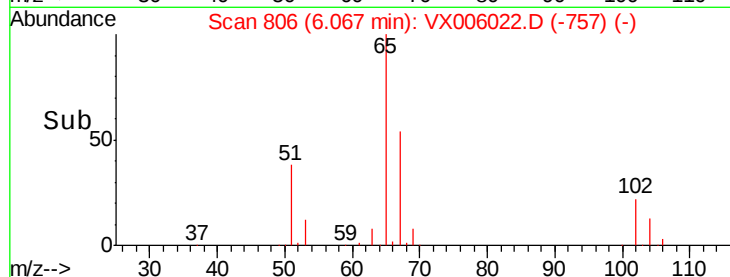
0

Time-->

6.00

6.10

6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

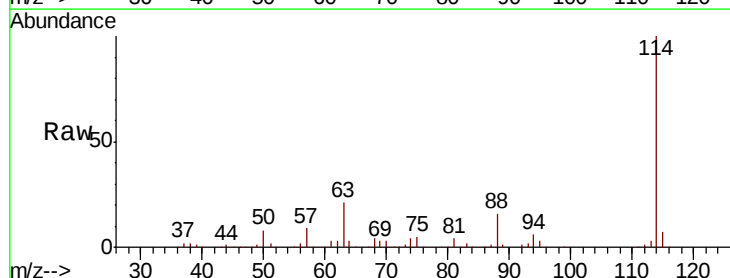
Tgt Ion: 114 Resp: 176426

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

88 15.8 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

100000

80000

60000

40000

20000

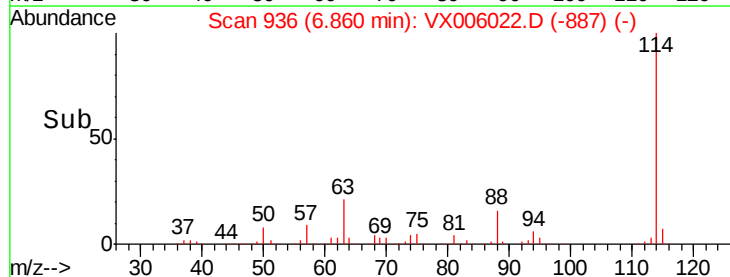
0

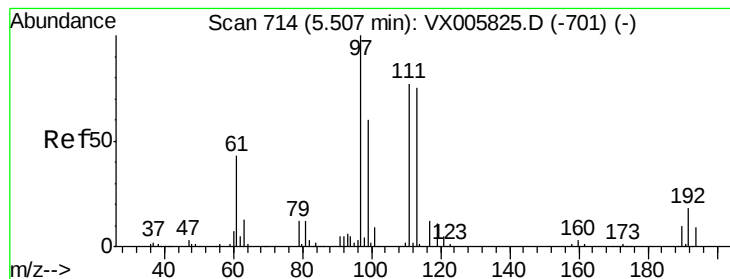
Time-->

6.80

7.00

7.20





#35

Dibromofluoromethane

Concen: 50.449 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

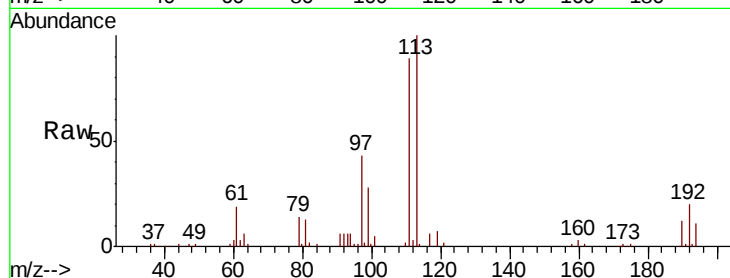
Tot Ion:113 Resp: 60537

Ion Ratio Lower Upper

113 100

111 98.7 82.3 123.5

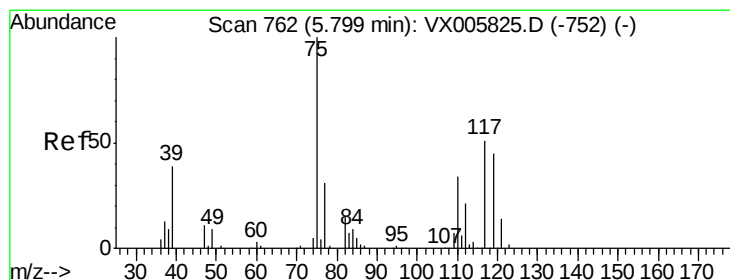
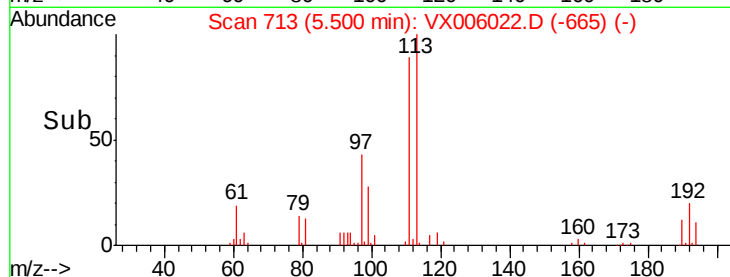
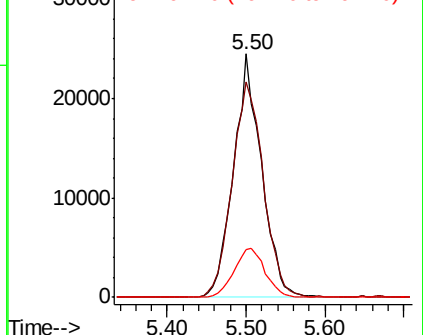
192 22.2 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.258 ug/l

RT: 5.81 min Scan# 763

Delta R.T. 0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

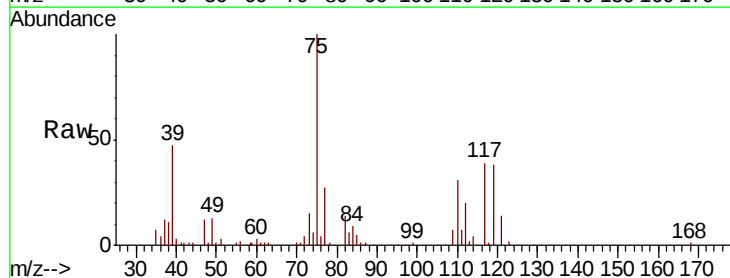
Tgt Ion: 75 Resp: 29352

Ion Ratio Lower Upper

75 100

110 37.1 17.4 52.2

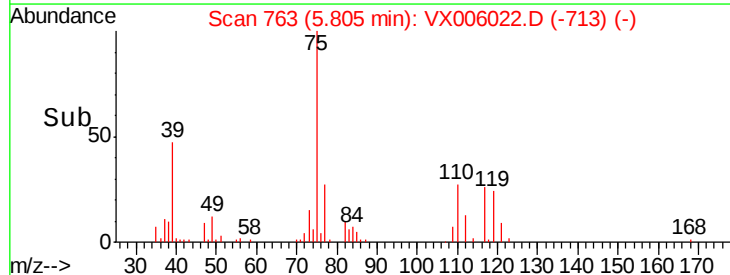
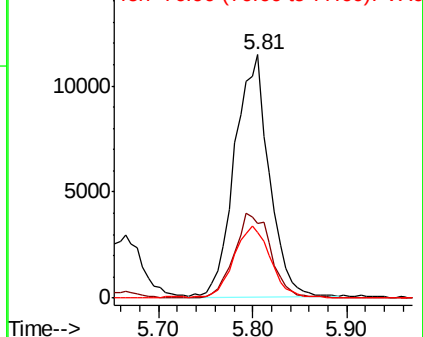
77 31.6 25.8 38.6

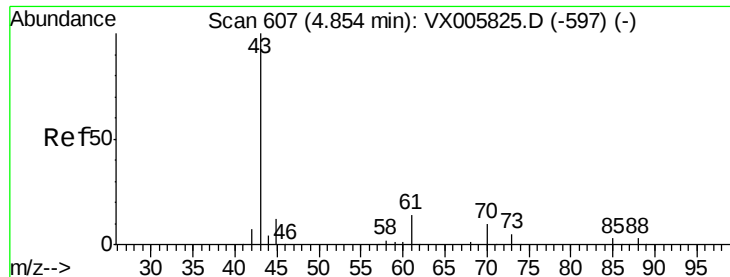


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 18.054 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampled :

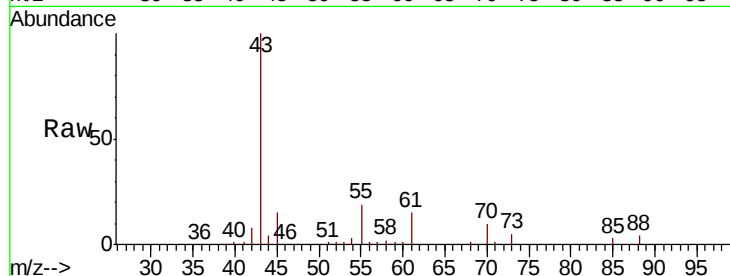
Tot Ion: 43 Resp: 40379

Ion Ratio Lower Upper

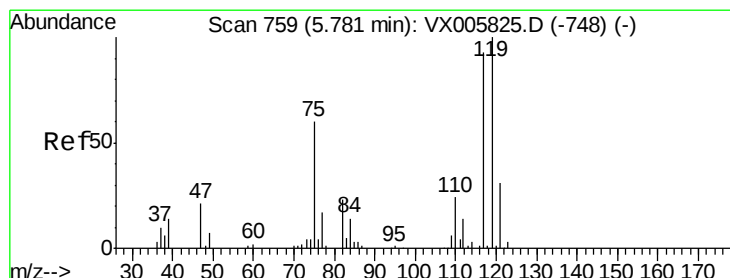
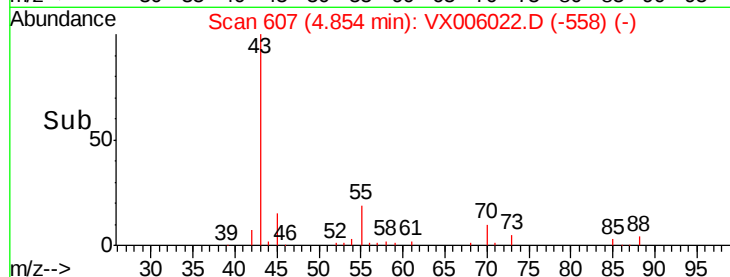
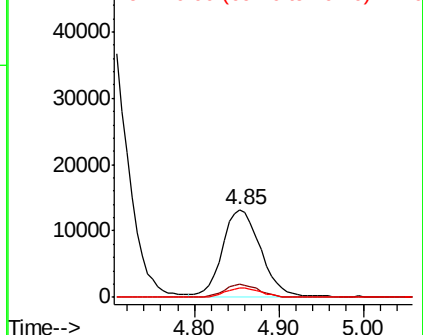
43 100

61 13.8 10.8 16.2

70 10.1 7.8 11.8



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



#38

Carbon Tetrachloride

Concen: 17.043 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

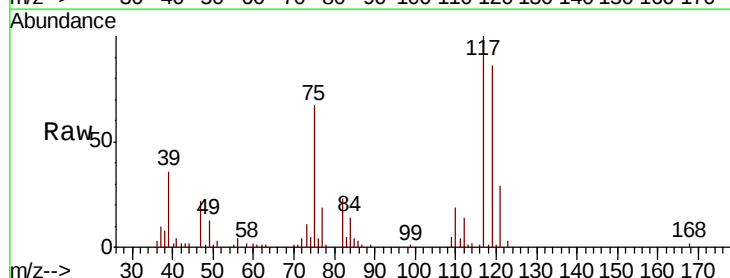
Tgt Ion: 117 Resp: 29018

Ion Ratio Lower Upper

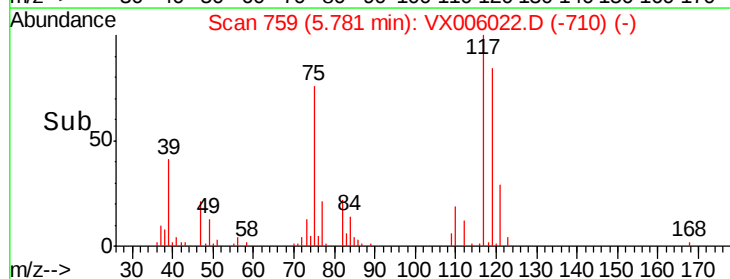
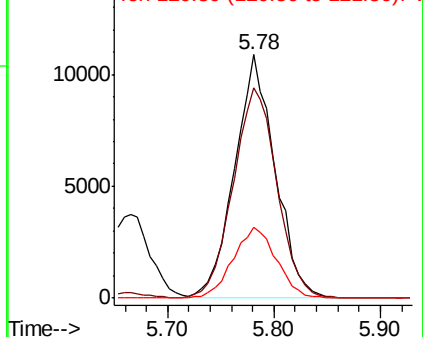
117 100

119 86.4 78.1 117.1

121 29.1 24.6 36.8



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

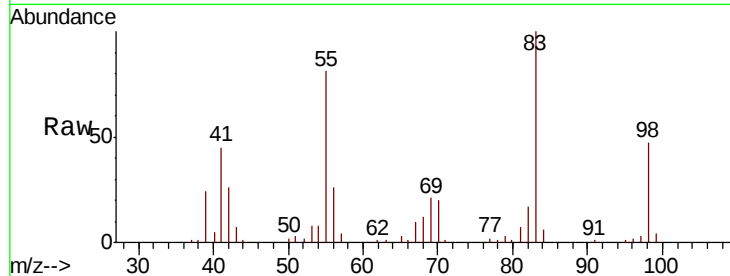




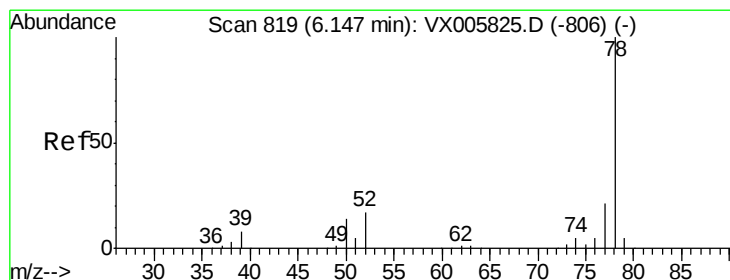
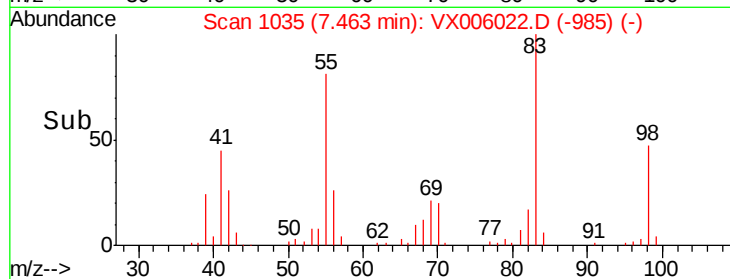
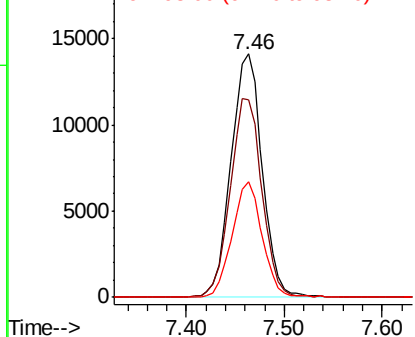
#39
Methvlcvclohexane
Concen: 18.105 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 31210
Ion Ratio Lower Upper
83 100
55 81.4 63.7 95.5
98 47.3 36.2 54.2

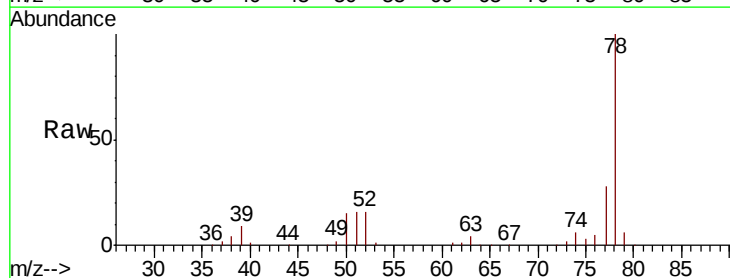


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

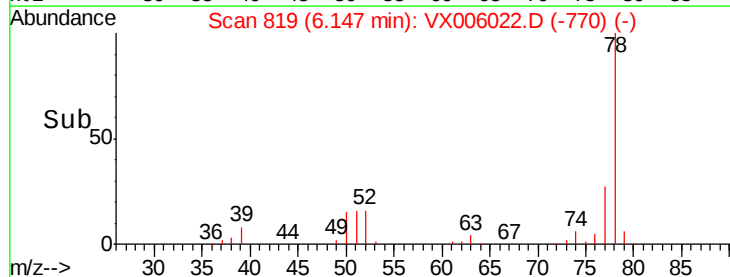
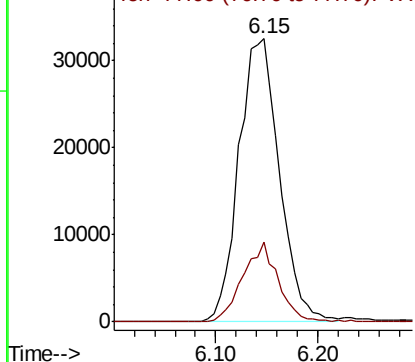


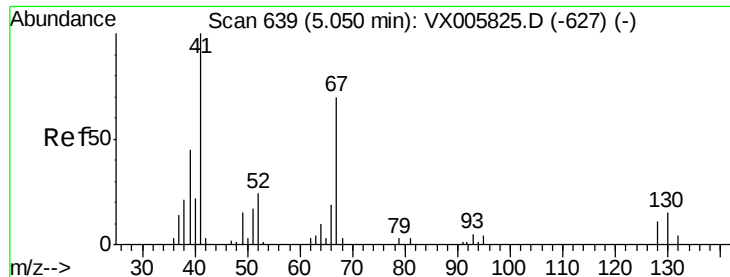
#40
Benzene
Concen: 18.153 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 78 Resp: 90008
Ion Ratio Lower Upper
78 100
77 28.0 18.4 27.6#



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





#41

Methacrylonitrile

Concen: 18.590 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 22466

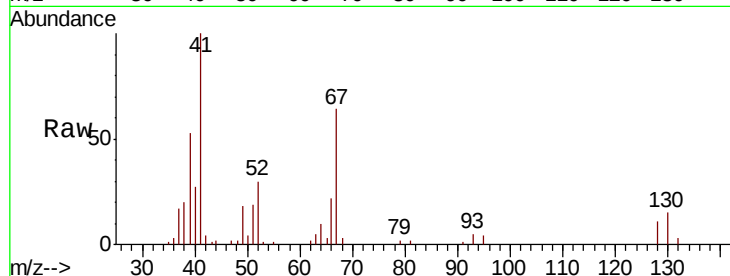
Ion Ratio Lower Upper

41 100

39 54.4 42.2 63.2

67 70.6 53.4 80.0

52 28.9 23.4 35.2

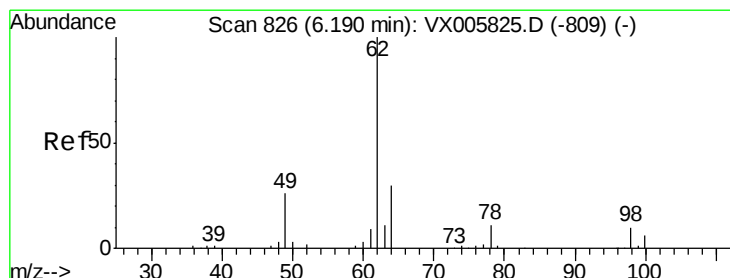
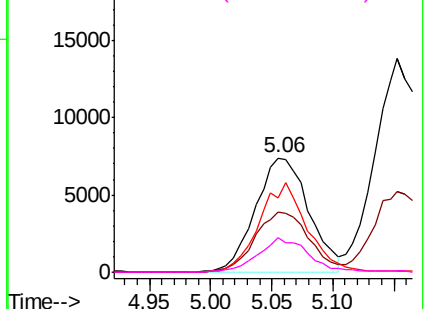
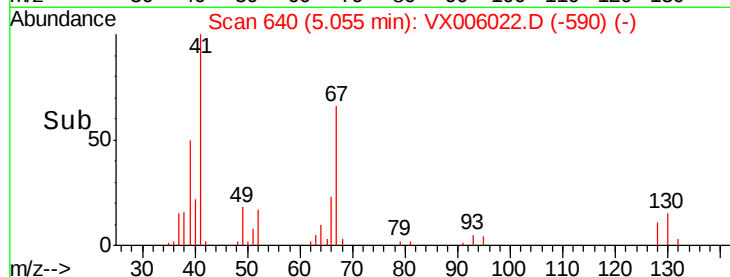


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.640 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX006022.D

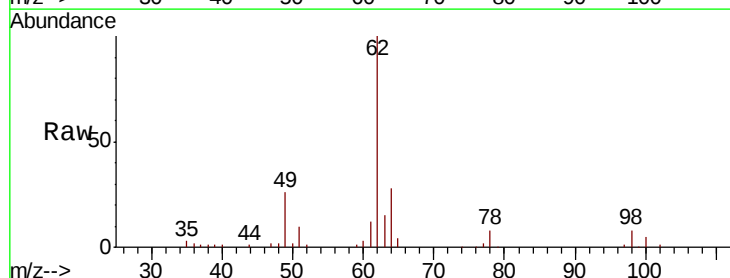
Acq: 15 Nov 2018 16:13

Tgt Ion: 62 Resp: 33102

Ion Ratio Lower Upper

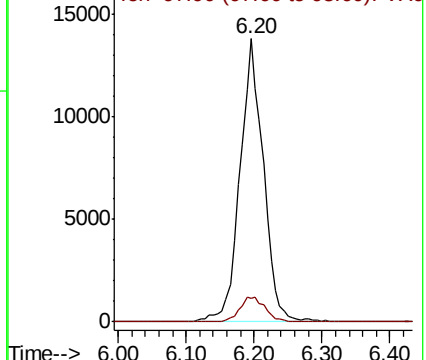
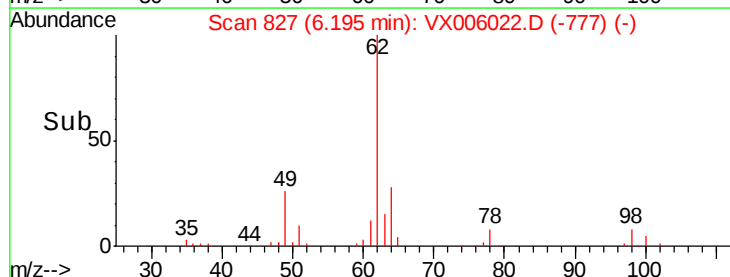
62 100

98 9.3 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



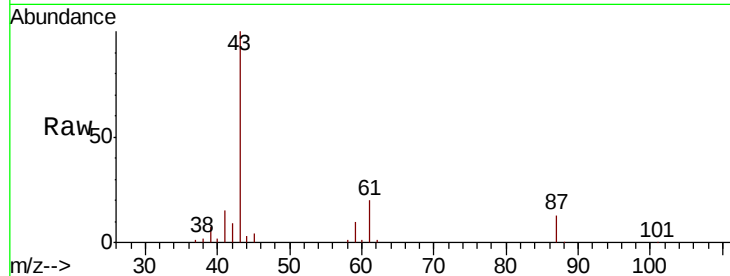


#43

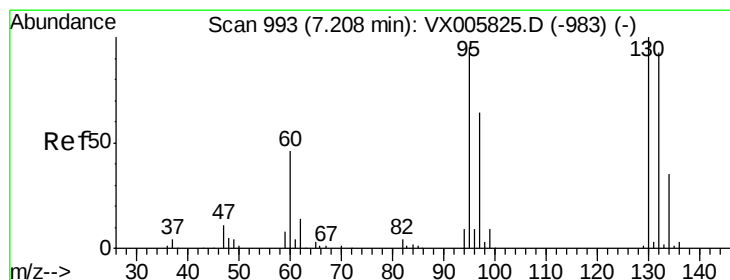
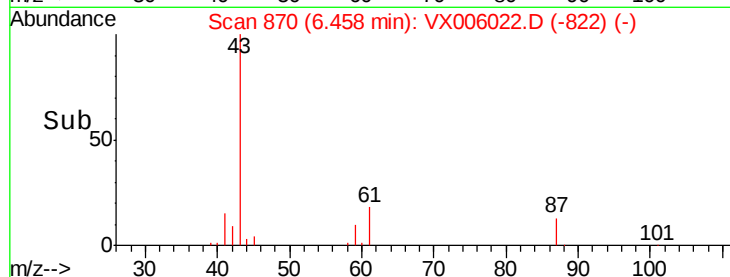
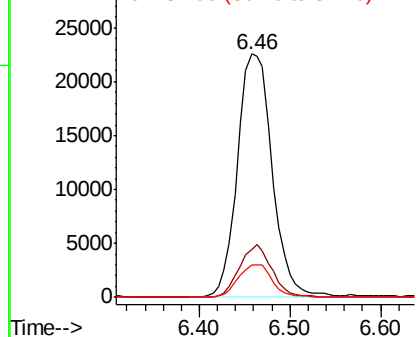
Isopropyl Acetate
 Concen: 18.579 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 60210
 Ion Ratio Lower Upper
 43 100
 61 20.2 14.6 22.0
 87 13.0 9.6 14.4



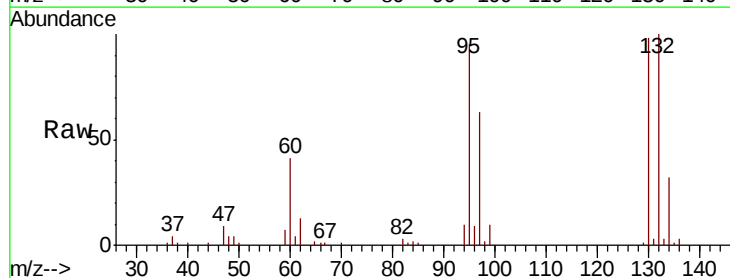
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



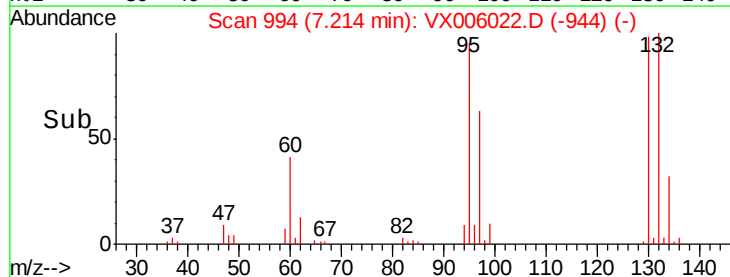
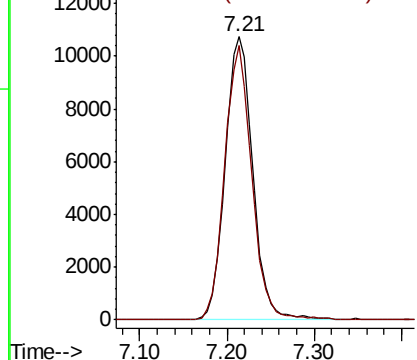
#44

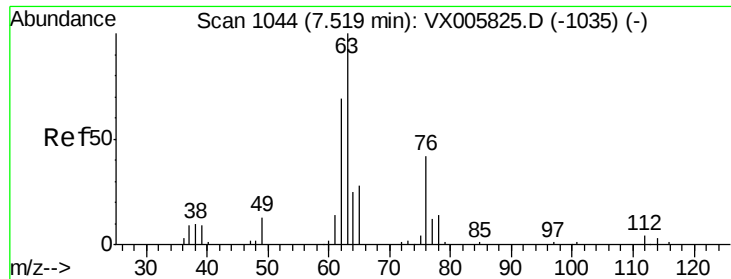
Trichloroethene
 Concen: 18.718 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion:130 Resp: 23569
 Ion Ratio Lower Upper
 130 100
 95 97.0 0.0 194.2



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





#45

1,2-Dichloropropane

Concen: 20.219 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

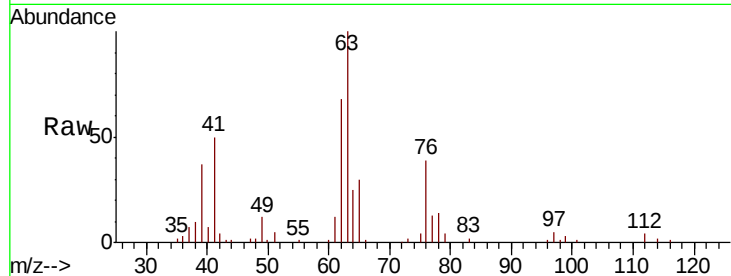
ClientSampled :

Tot Ion: 63 Resp: 24332

Ion Ratio Lower Upper

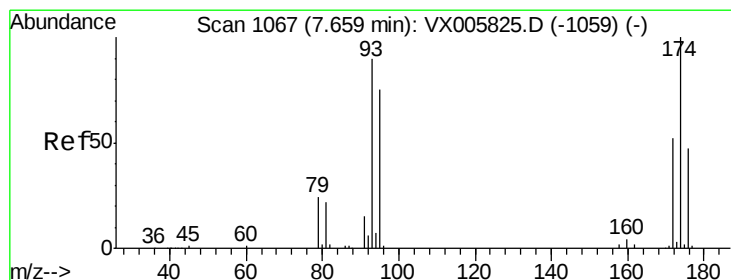
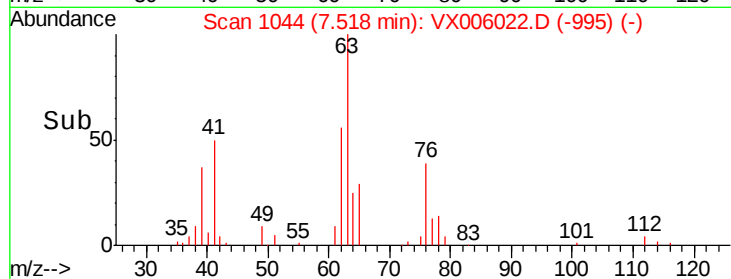
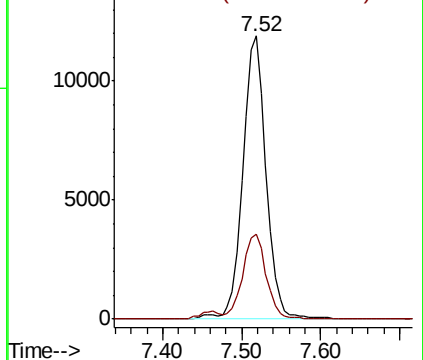
63 100

65 30.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.785 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

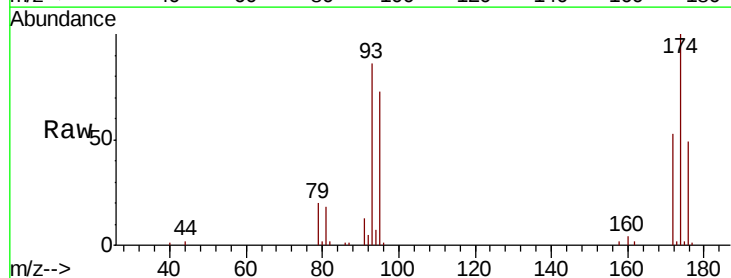
Tgt Ion: 93 Resp: 14941

Ion Ratio Lower Upper

93 100

95 83.7 67.4 101.0

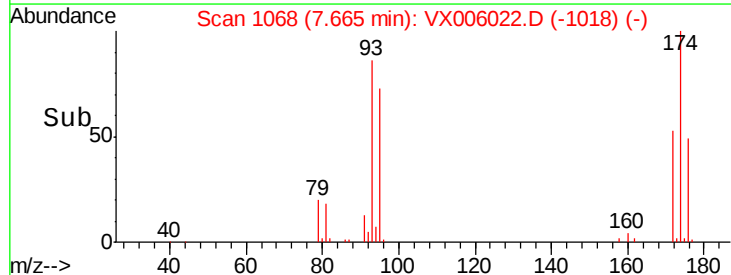
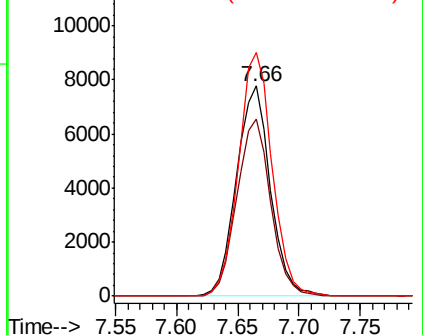
174 115.2 91.5 137.3

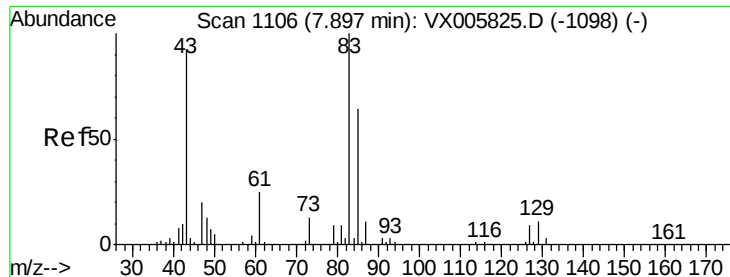


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.885 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :

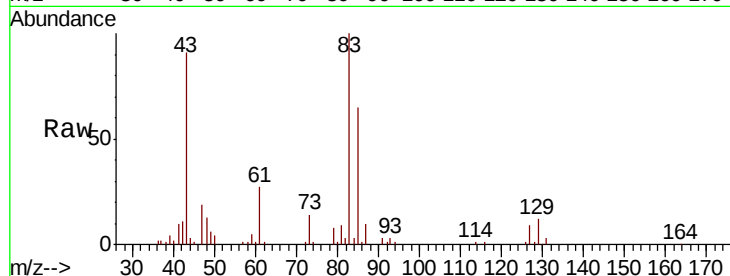
Tot Ion: 83 Resp: 28379

Ion Ratio Lower Upper

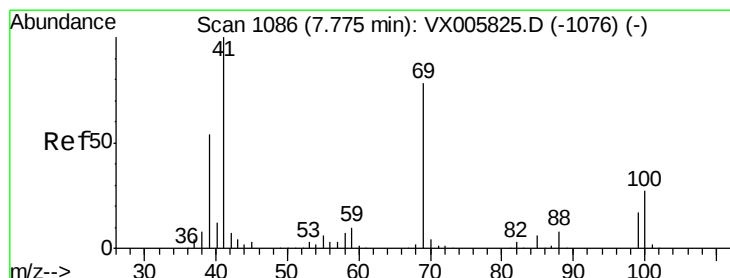
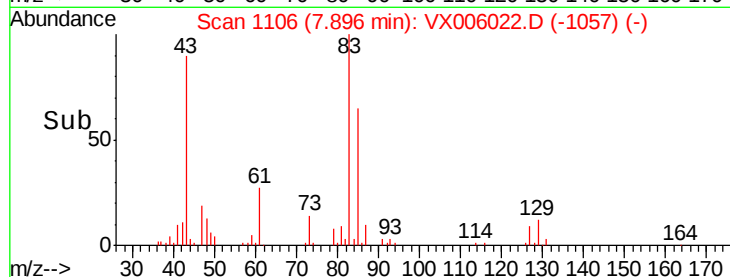
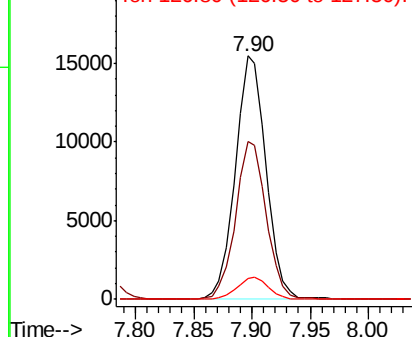
83 100

85 65.0 50.2 75.4

127 8.7 6.9 10.3



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



#48

Methyl methacrylate

Concen: 20.357 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

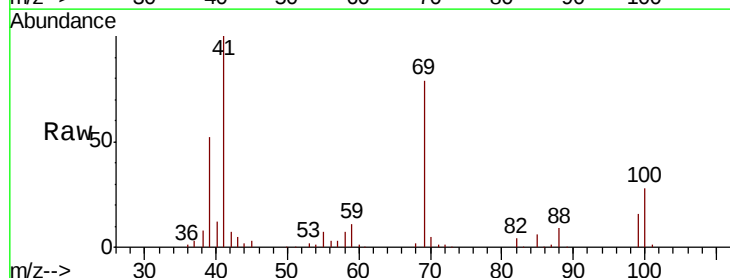
Tgt Ion: 41 Resp: 29623

Ion Ratio Lower Upper

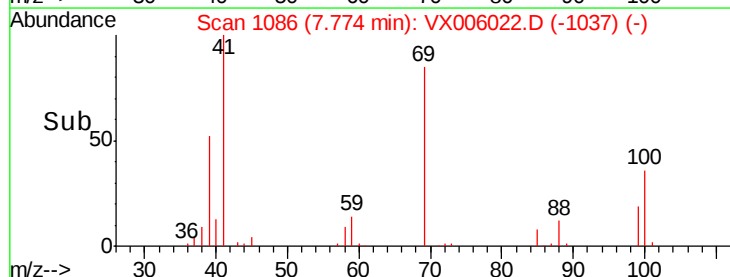
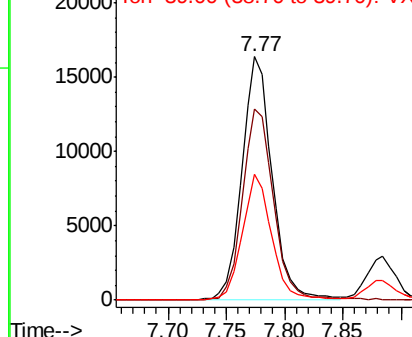
41 100

69 81.3 63.2 94.8

39 50.4 42.2 63.2



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

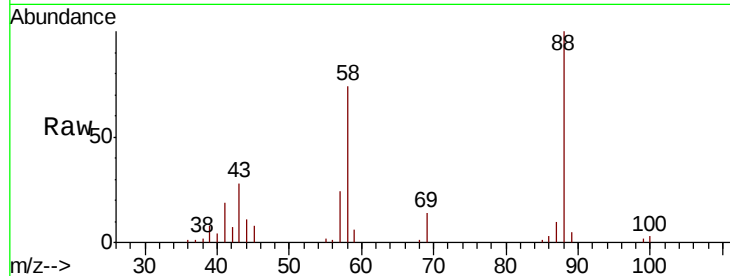




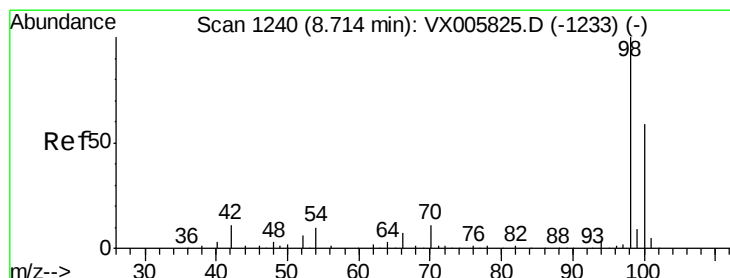
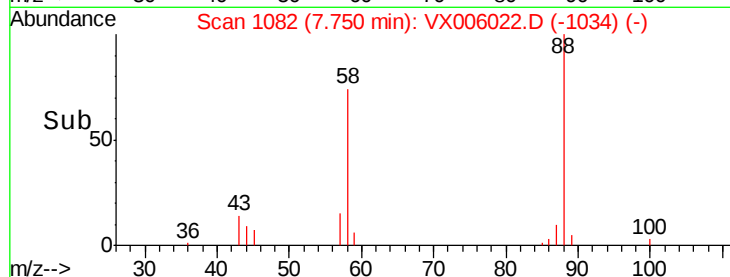
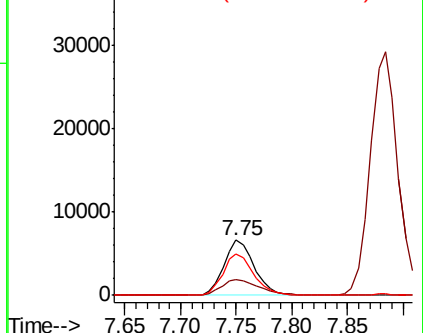
#49
 1,4-Dioxane
 Concen: 398.377 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 88 Resp: 12492
 Ion Ratio Lower Upper
 88 100
 43 36.3 27.4 41.0
 58 76.1 59.4 89.2

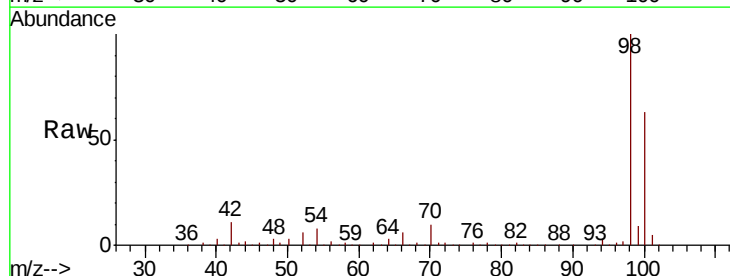


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

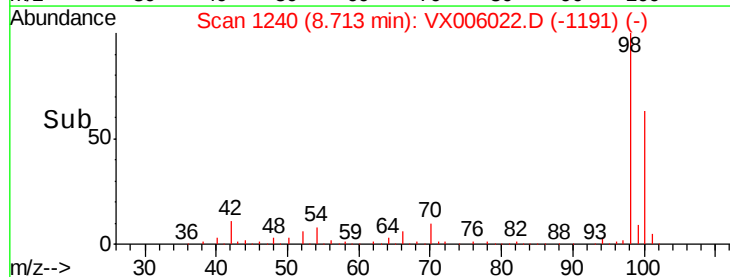
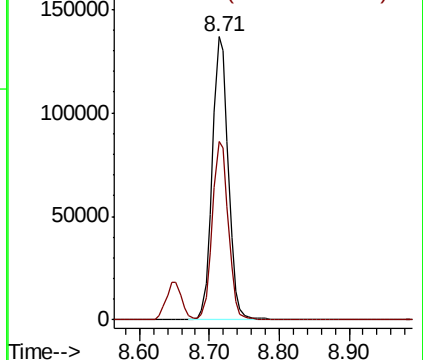


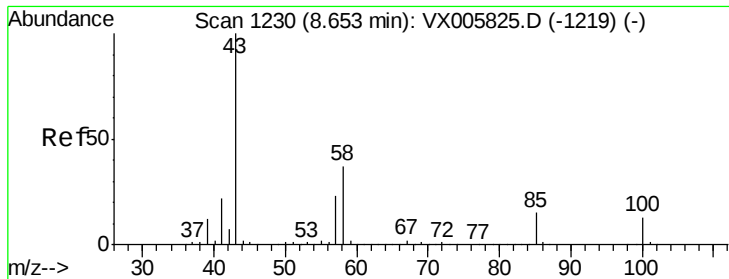
#50
 Toluene-d8
 Concen: 54.655 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion: 98 Resp: 218037
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 101.056 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

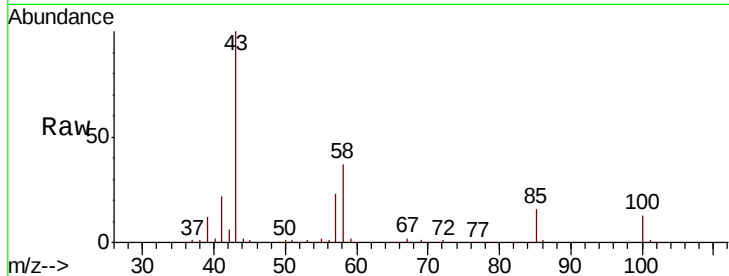
ClientSampled :

Tot Ion: 43 Resp: 206407

Ion Ratio Lower Upper

43 100

58 37.9 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

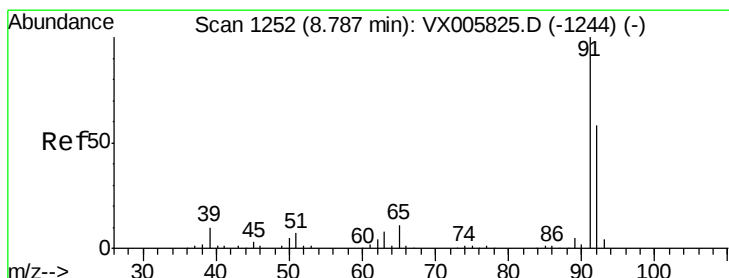
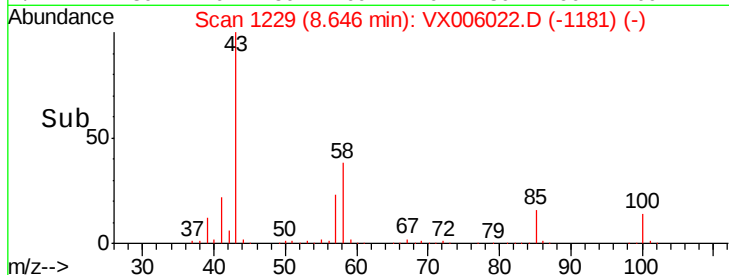
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 19.610 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006022.D

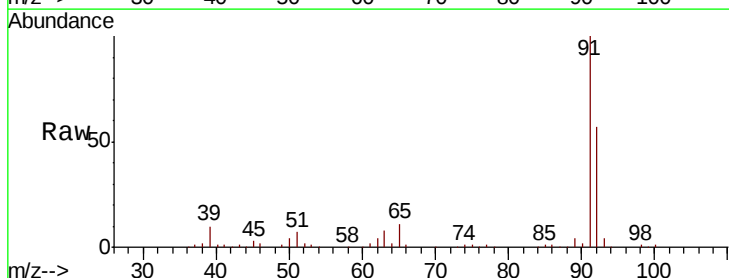
Acq: 15 Nov 2018 16:13

Tgt Ion: 92 Resp: 54341

Ion Ratio Lower Upper

92 100

91 176.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

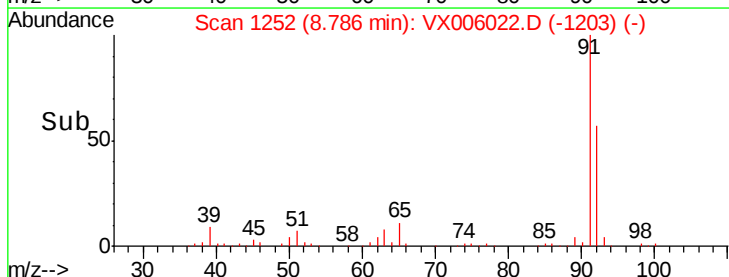
60000

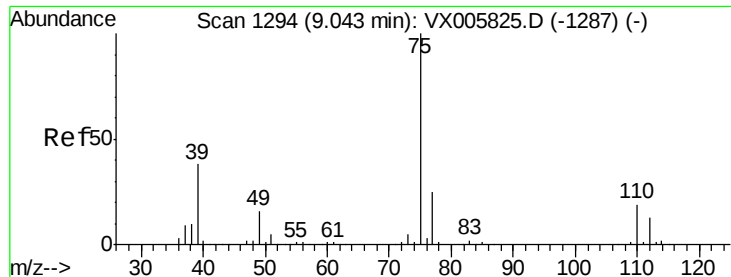
40000

20000

0

Time--> 8.70 8.80 8.90

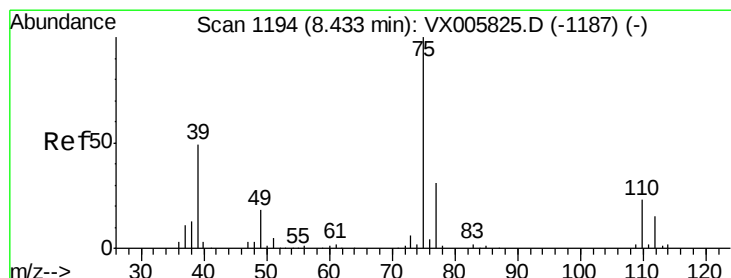
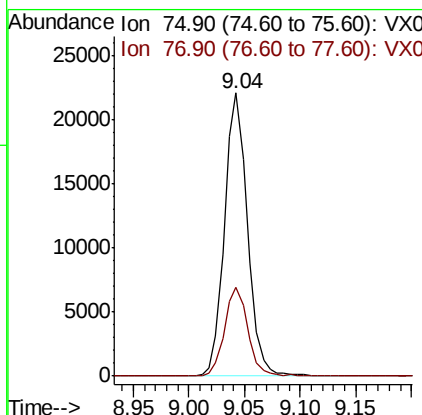
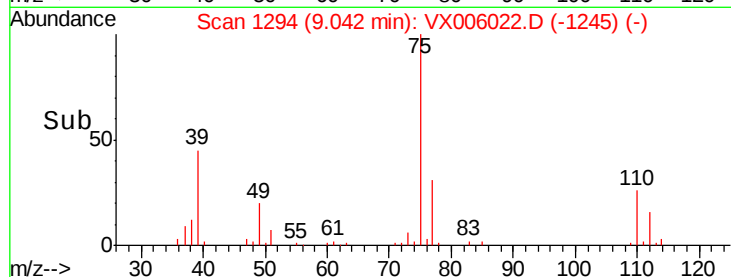
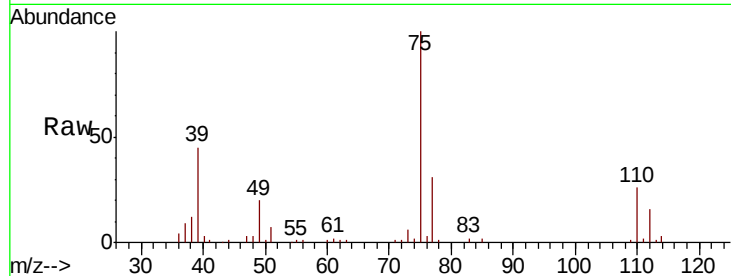




#53
t-1,3-Dichloropropene
Concen: 18.696 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

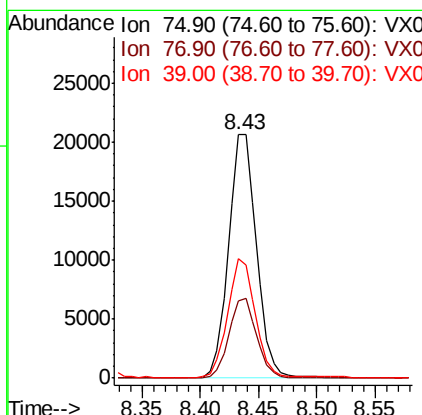
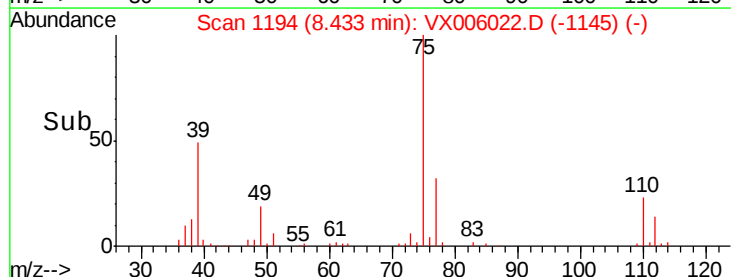
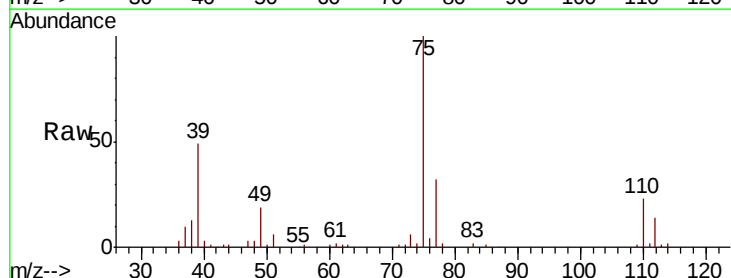
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 31488
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 20.116 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 75 Resp: 34531
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8
39 49.2 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 18.445 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

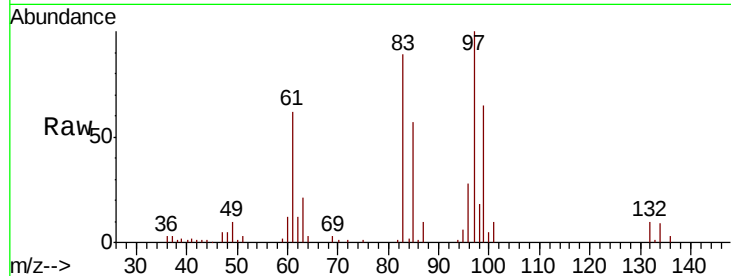
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 22780

Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.7	106.1
85	57.1	45.8	68.6
99	64.7	51.8	77.8



Abundance

Ion 96.90 (96.60 to 97.60): VX0

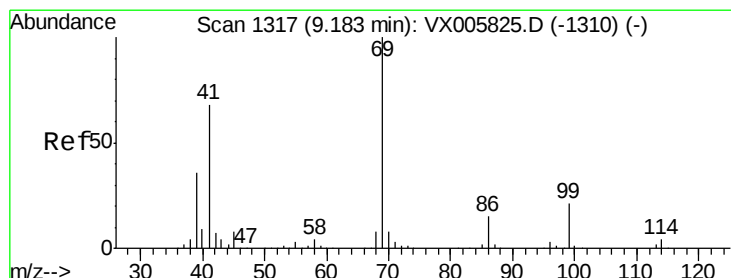
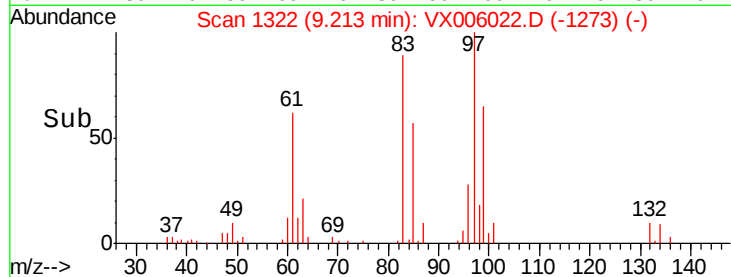
Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Time-->

9.10 9.15 9.20 9.25 9.30



#56

Ethyl methacrylate

Concen: 18.983 ug/l

RT: 9.18 min Scan# 1317

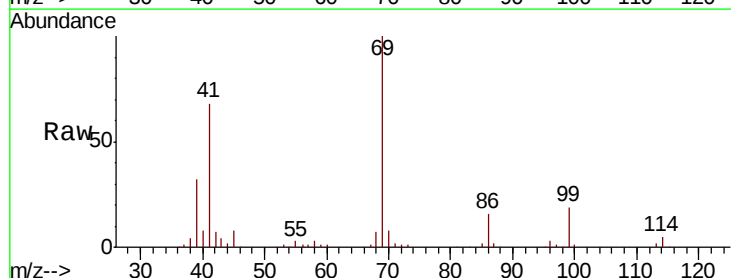
Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Tgt Ion: 69 Resp: 35078

Ion	Ratio	Lower	Upper
69	100		
41	70.4	57.0	85.6
39	34.6	28.3	42.5



Abundance

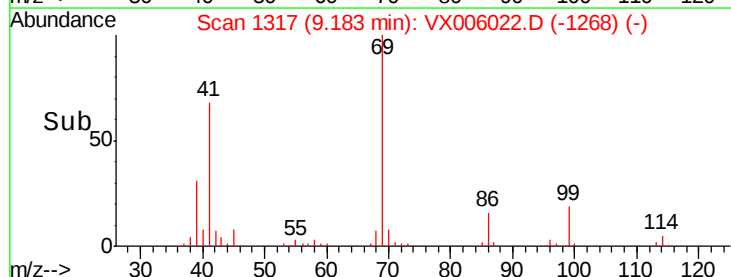
Ion 69.00 (68.70 to 69.70): VX0

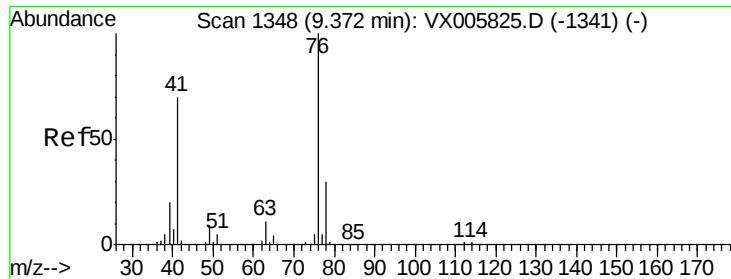
Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Time-->

9.10 9.15 9.20 9.25 9.30





#57

1,3-Dichloropropane

Concen: 18.612 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

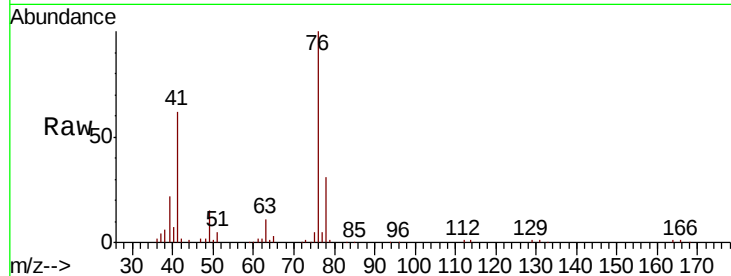
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 76 Resp: 38627

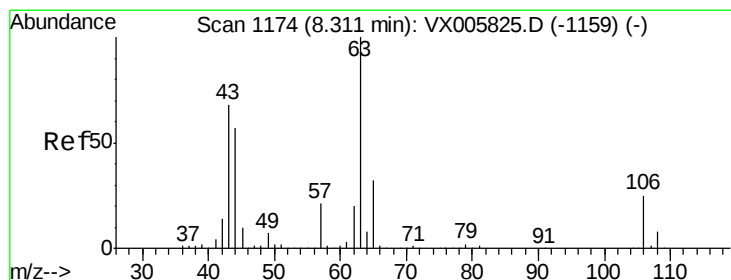
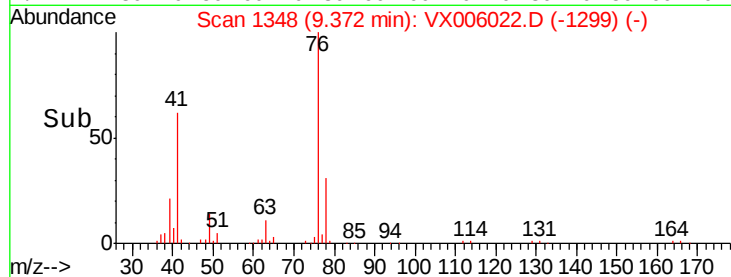
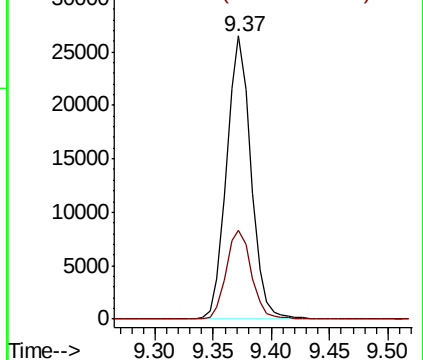
Ion Ratio Lower Upper

76 100

78 32.2 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 109.753 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006022.D

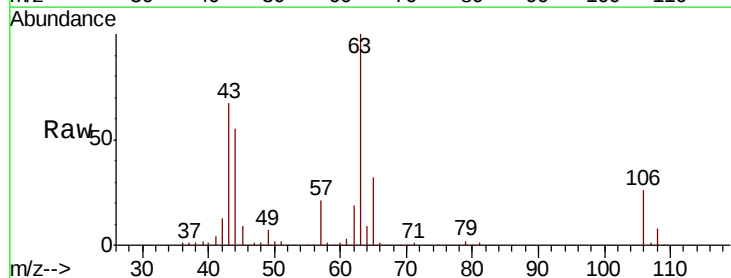
Acq: 15 Nov 2018 16:13

Tgt Ion: 63 Resp: 105675

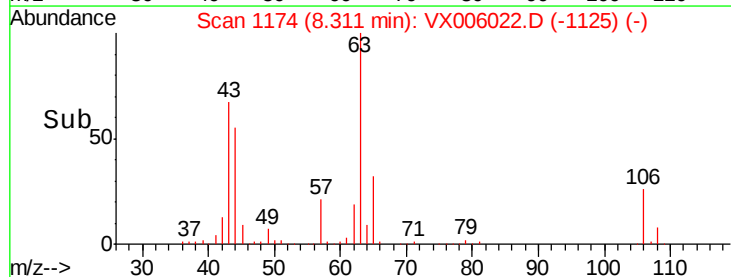
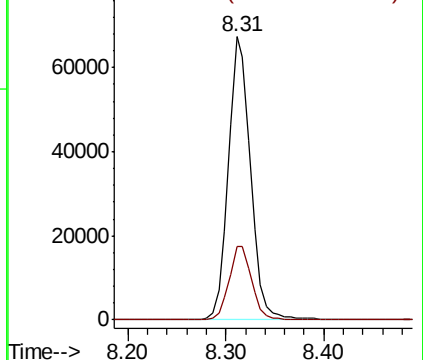
Ion Ratio Lower Upper

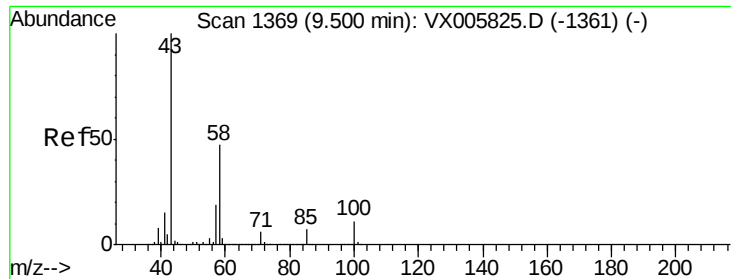
63 100

106 26.7 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V

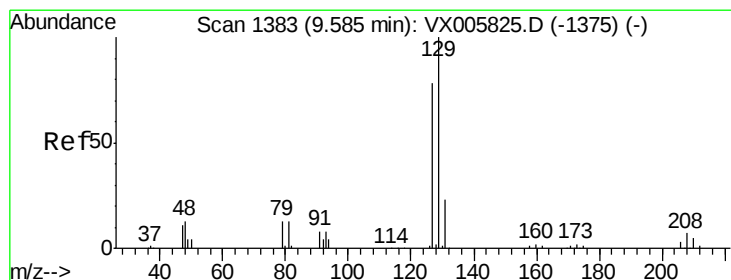
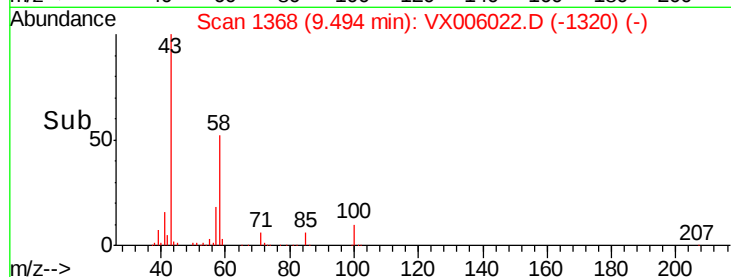
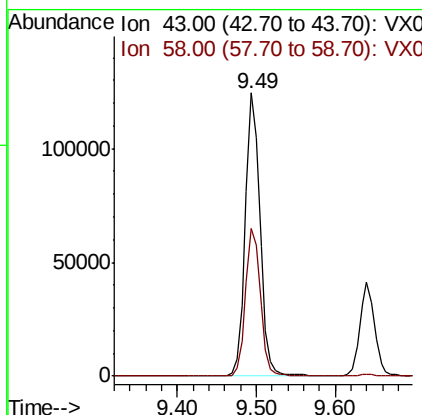
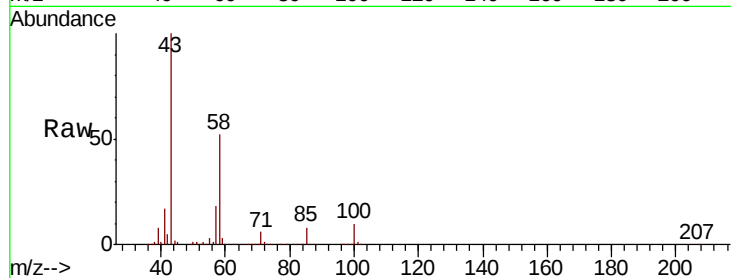




#59
2-Hexanone
Concen: 90.388 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

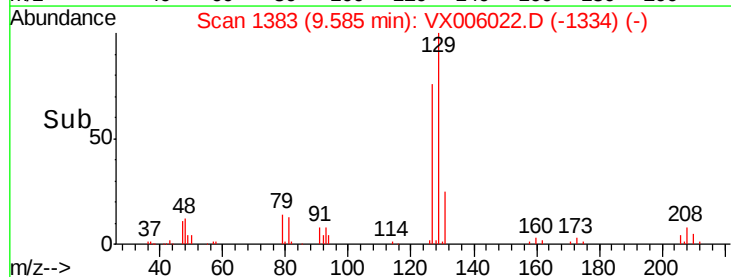
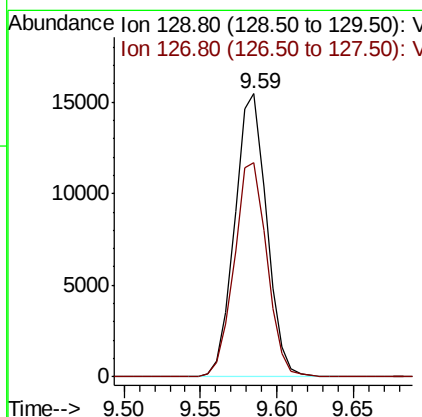
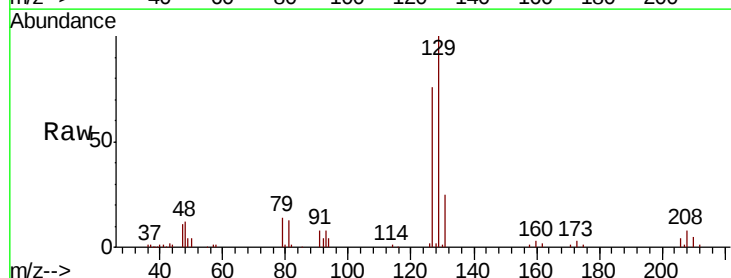
Instrument :
MSVOA_X
ClientSampleId :

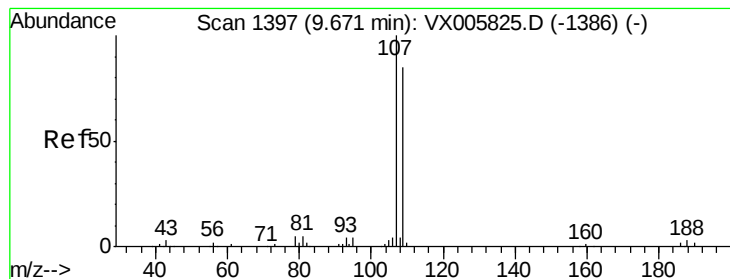
Tot Ion: 43 Resp: 162732
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.8



#60
Dibromochloromethane
Concen: 16.791 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion:129 Resp: 22411
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.284 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

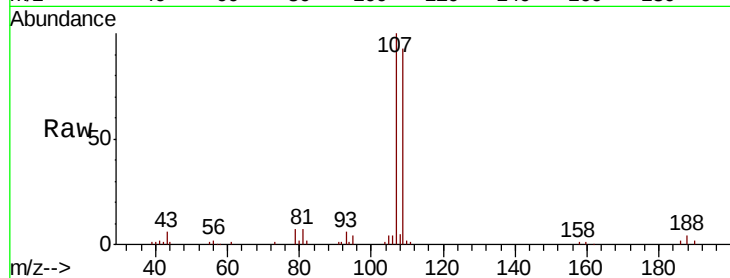
ClientSampleId :

Tot Ion:107 Resp: 23604

Ion Ratio Lower Upper

107 100

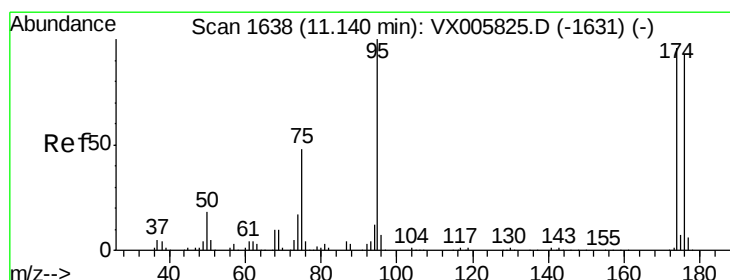
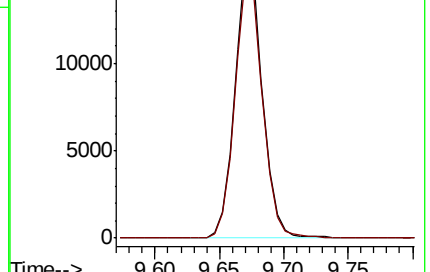
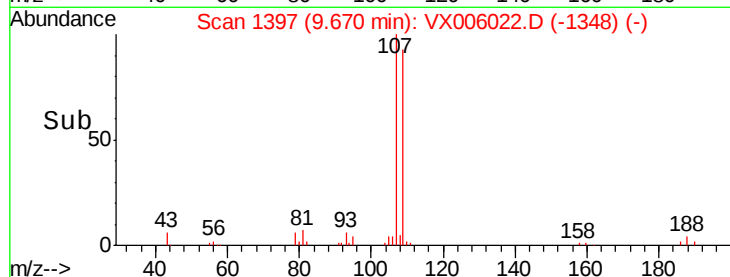
109 94.4 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



#62

4-Bromofluorobenzene

Concen: 55.836 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

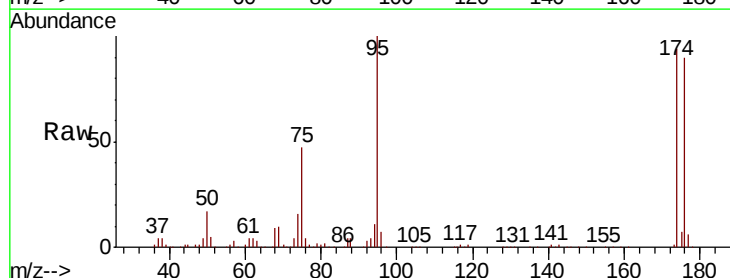
Tgt Ion: 95 Resp: 80087

Ion Ratio Lower Upper

95 100

174 89.8 0.0 184.4

176 87.1 0.0 177.4

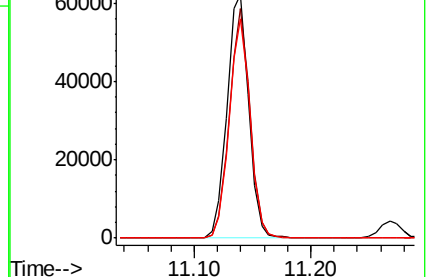
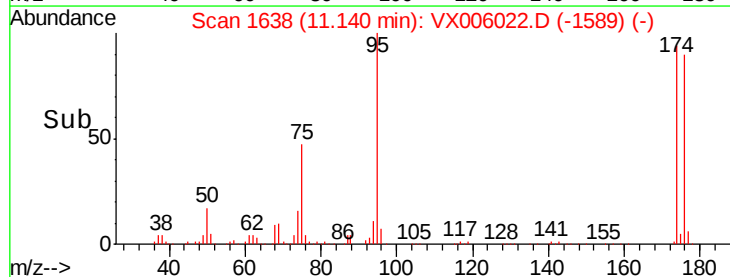


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

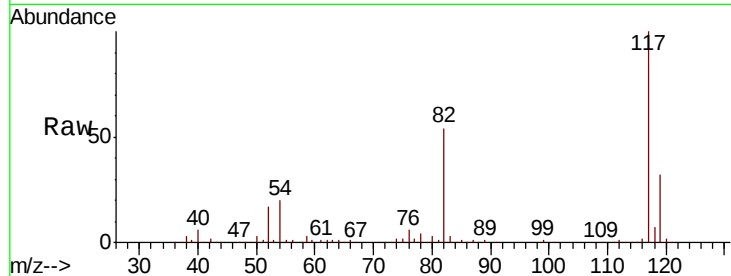




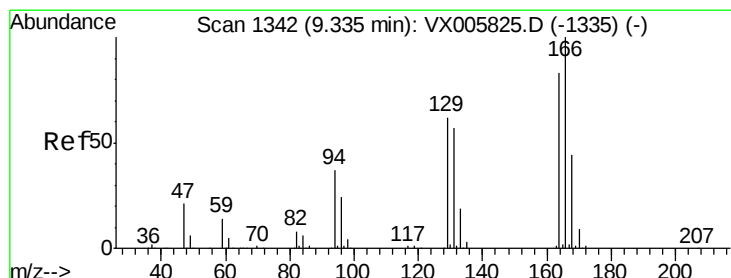
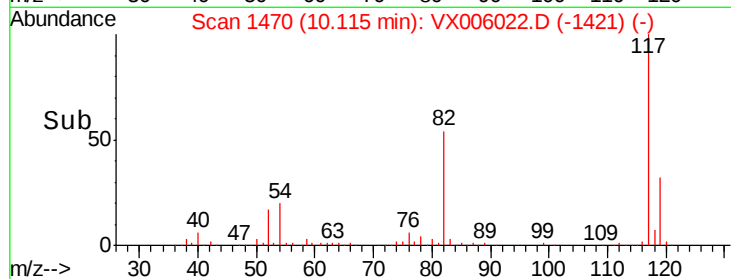
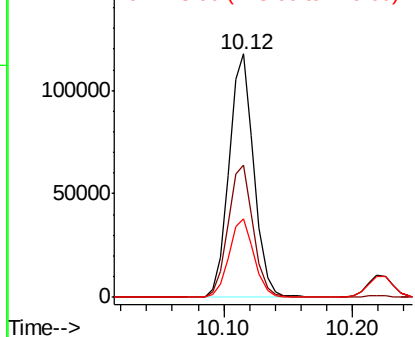
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 158705
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 32.4 26.2 39.2



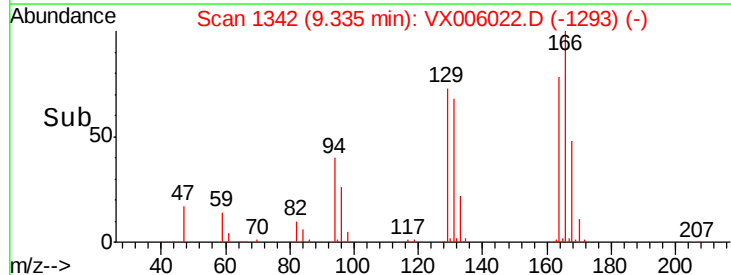
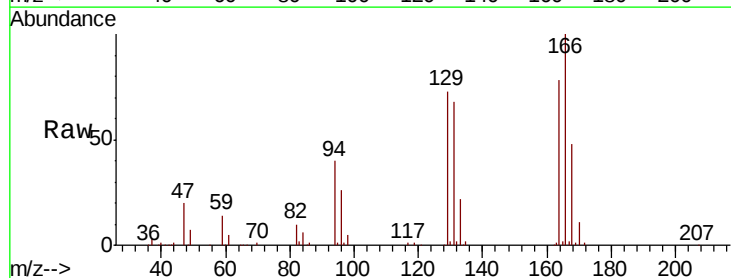
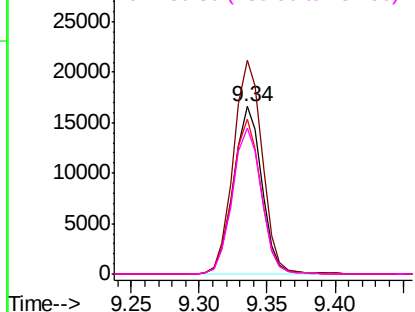
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

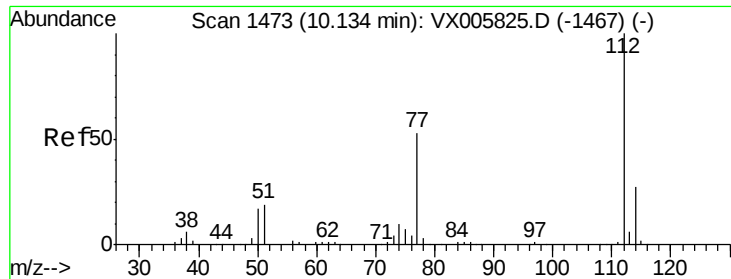


#64
Tetrachloroethene
Concen: 17.913 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion:164 Resp: 24204
Ion Ratio Lower Upper
164 100
166 127.8 101.9 152.9
129 92.8 72.6 109.0
131 87.2 71.1 106.7

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.519 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

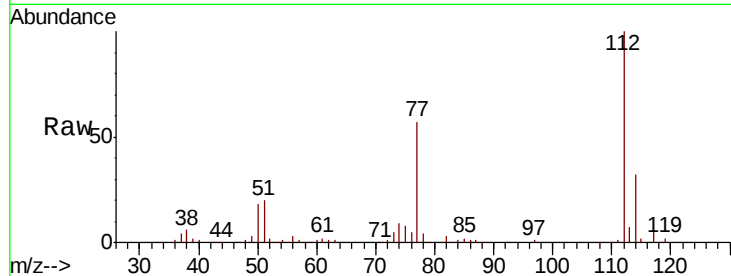
ClientSampled :

Tot Ion:112 Resp: 62058

Ion Ratio Lower Upper

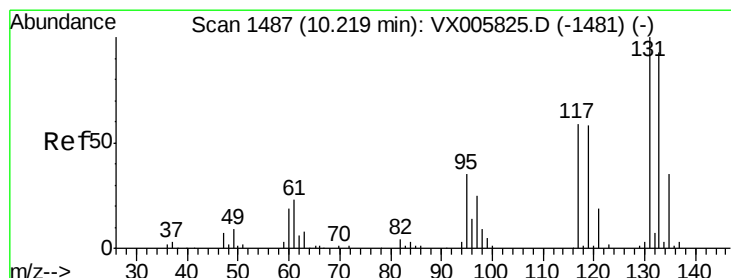
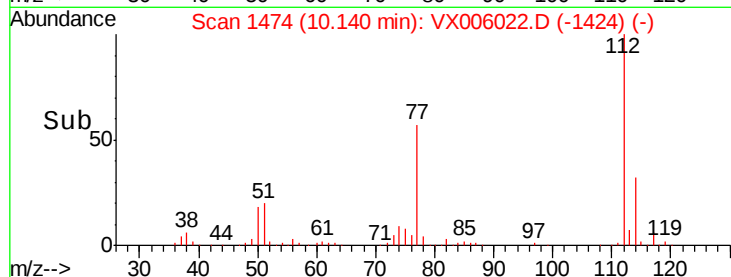
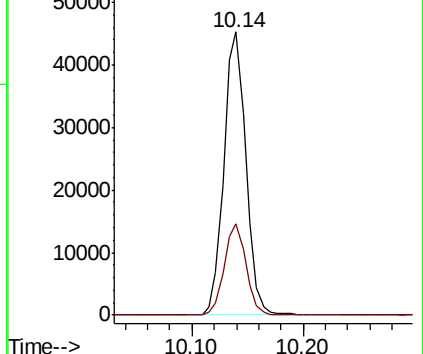
112 100

114 32.2 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.945 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

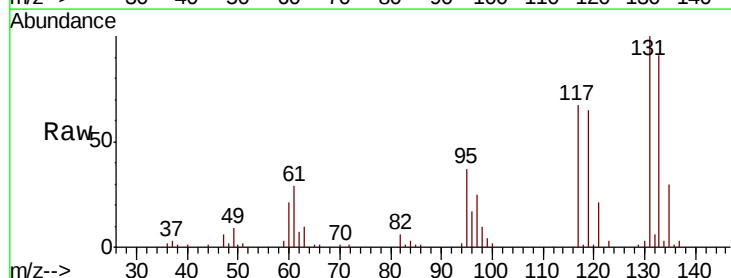
Tgt Ion:131 Resp: 22046

Ion Ratio Lower Upper

131 100

133 95.2 47.5 142.5

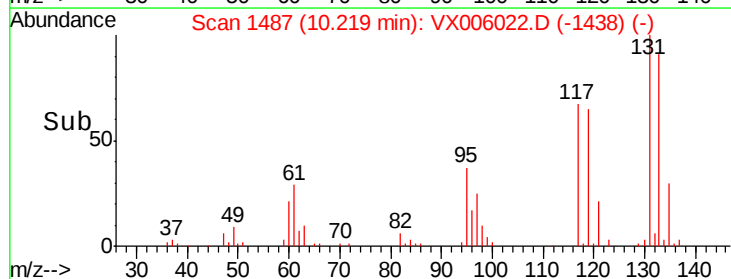
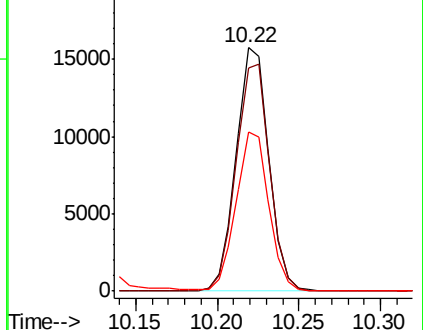
119 65.5 31.8 95.3

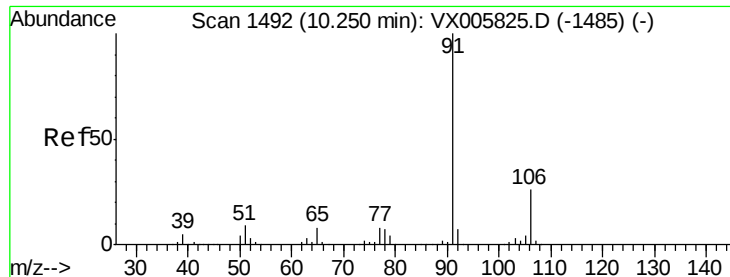


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.213 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

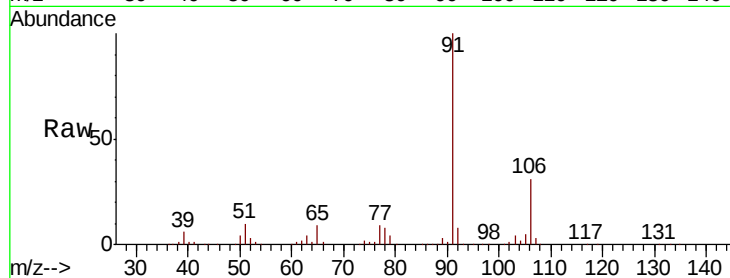
ClientSampleId :

Tot Ion: 91 Resp: 103052

Ion Ratio Lower Upper

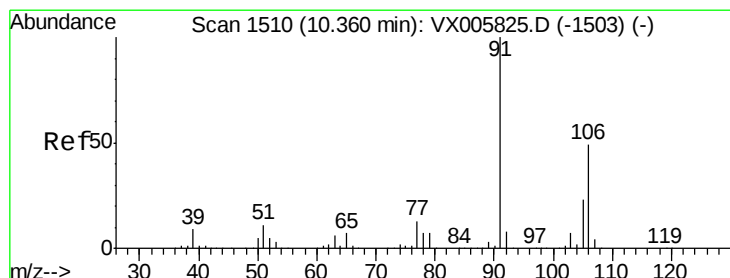
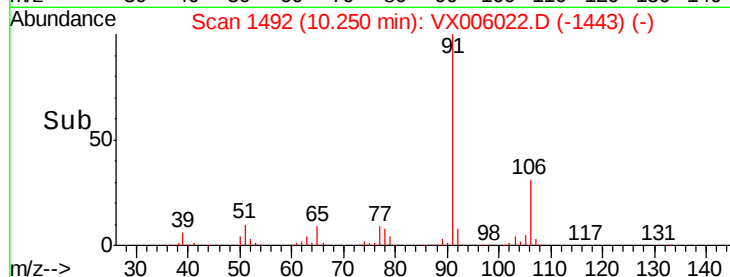
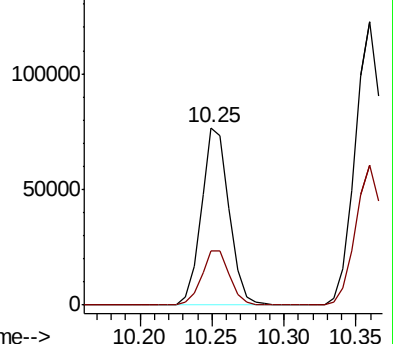
91 100

106 30.6 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)



#68

m/p-Xylenes

Concen: 41.079 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006022.D

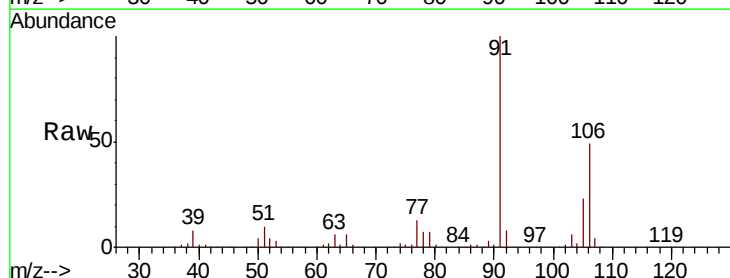
Acq: 15 Nov 2018 16:13

Tgt Ion: 106 Resp: 79885

Ion Ratio Lower Upper

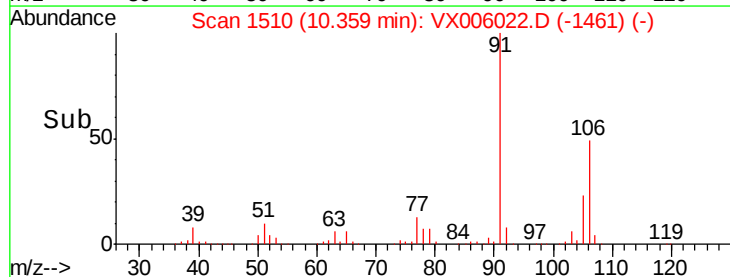
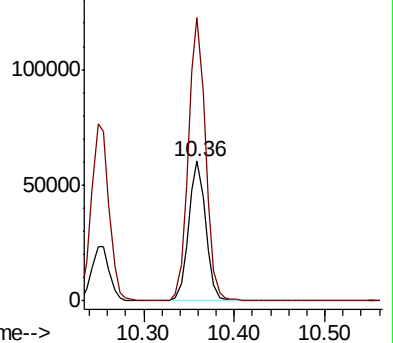
106 100

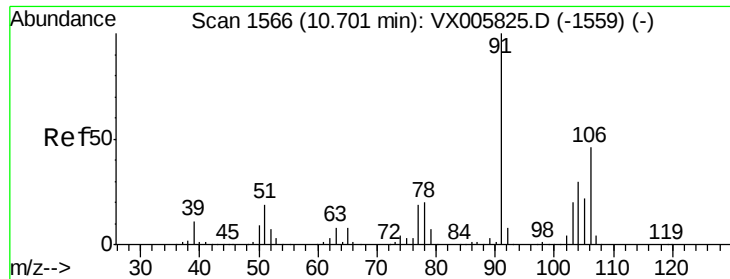
91 202.7 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)

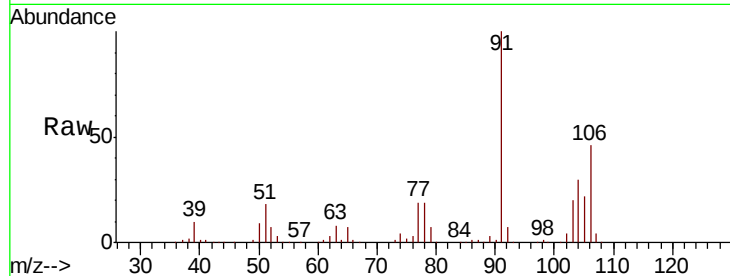




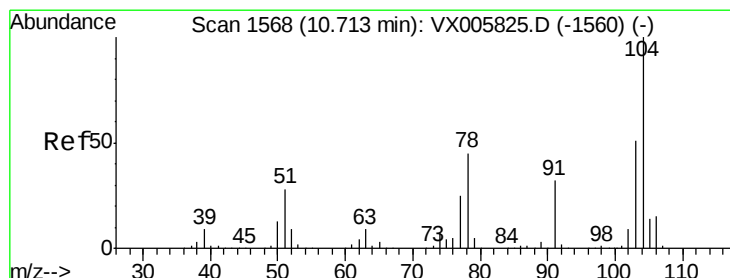
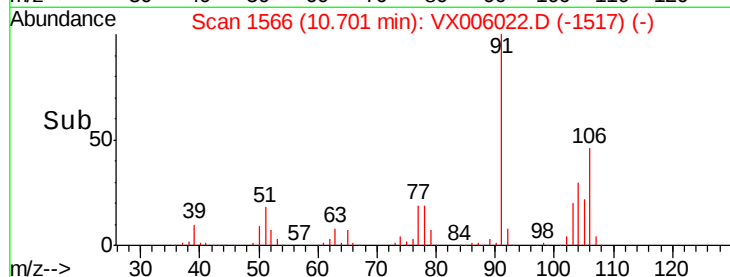
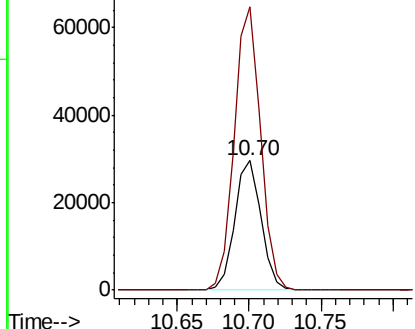
#69
o-Xylene
Concen: 21.757 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 37939
Ion Ratio Lower Upper
106 100
91 218.7 108.5 325.5

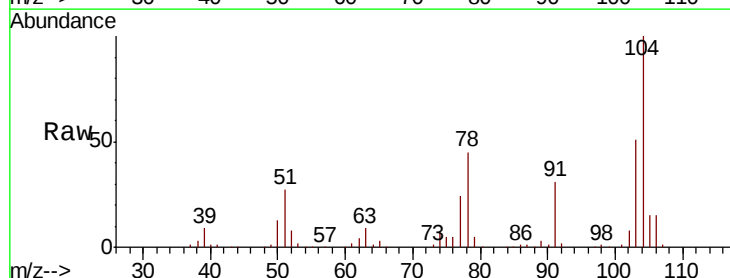


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

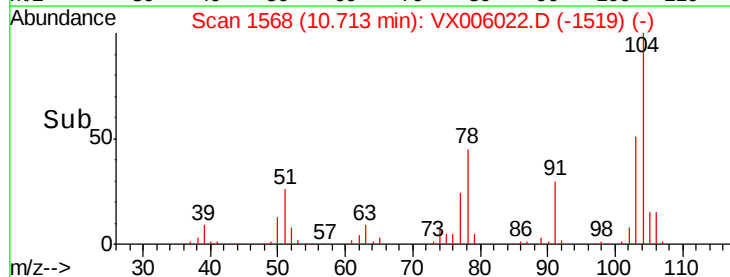
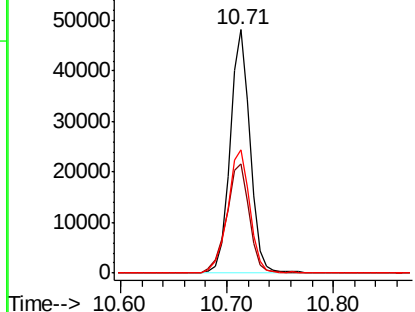


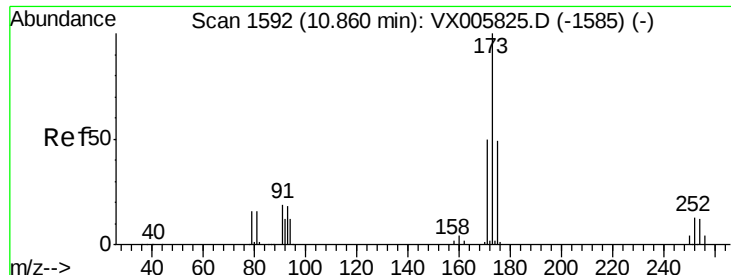
#70
Styrene
Concen: 22.022 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion:104 Resp: 63347
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.4
103 56.3 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.772 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

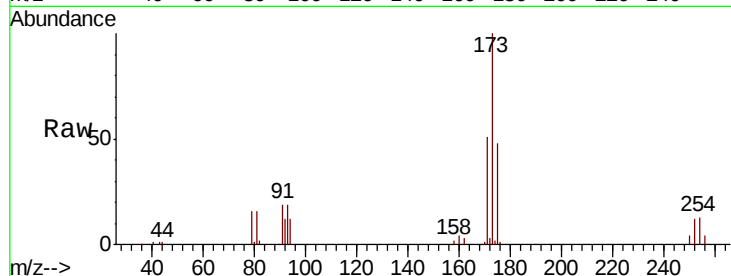
Tot Ion:173 Resp: 18320

Ion Ratio Lower Upper

173 100

175 47.6 24.8 74.3

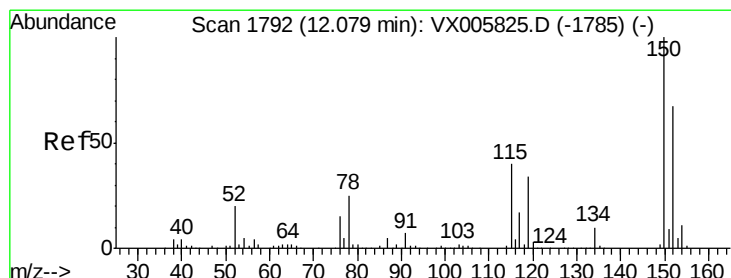
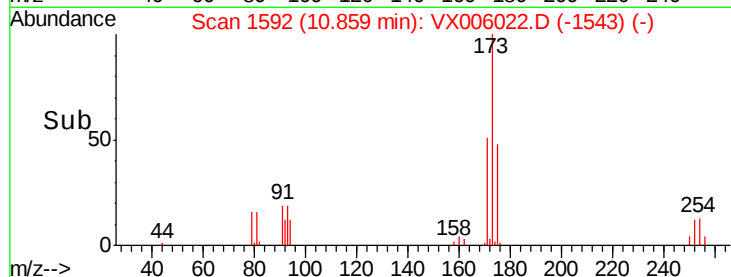
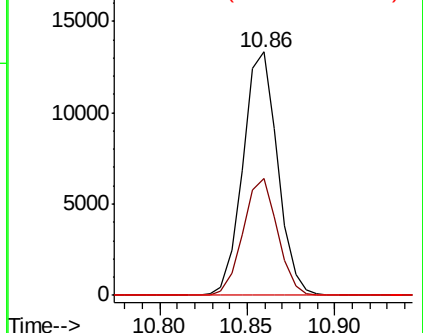
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

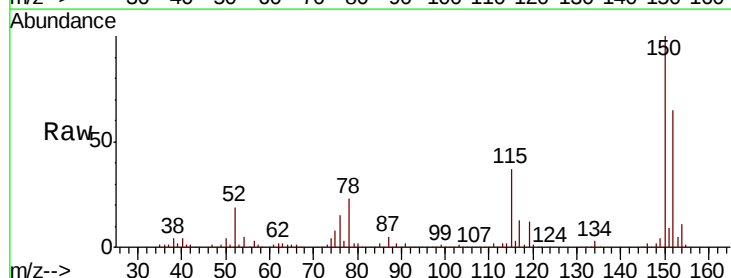
Tgt Ion:152 Resp: 85104

Ion Ratio Lower Upper

152 100

115 65.1 39.4 118.1

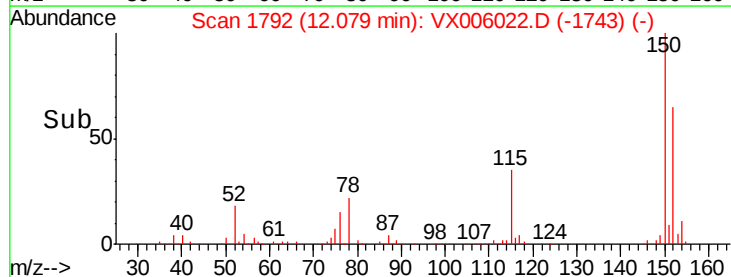
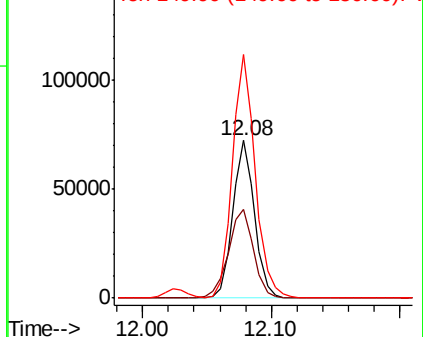
150 162.3 0.0 346.4

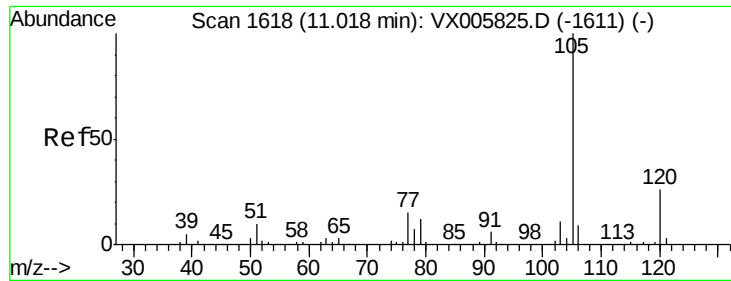


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.550 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

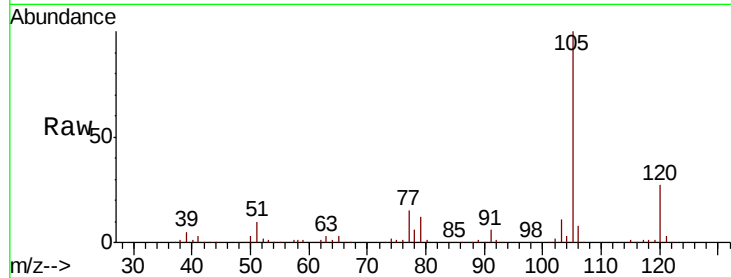
ClientSampleId :

Tot Ion:105 Resp: 106057

Ion Ratio Lower Upper

105 100

120 26.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

80000

60000

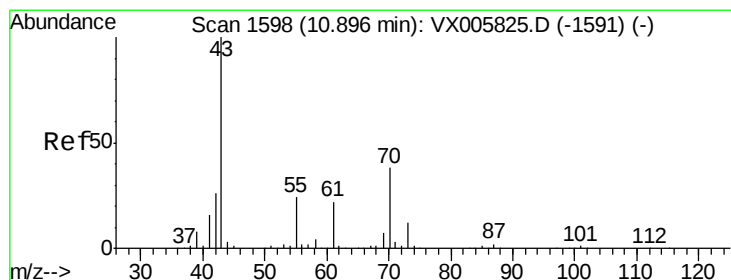
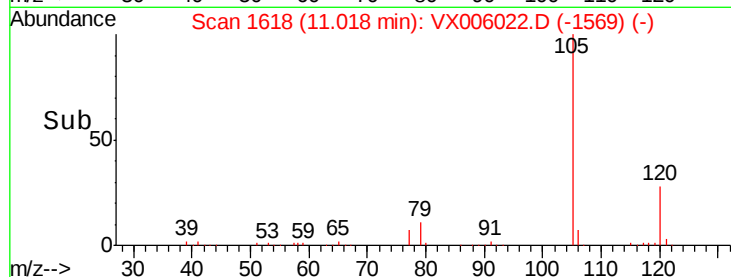
40000

20000

0

11.00 11.10

Time-->



#74

N-ethyl acetate

Concen: 19.383 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Tgt Ion: 43 Resp: 51356

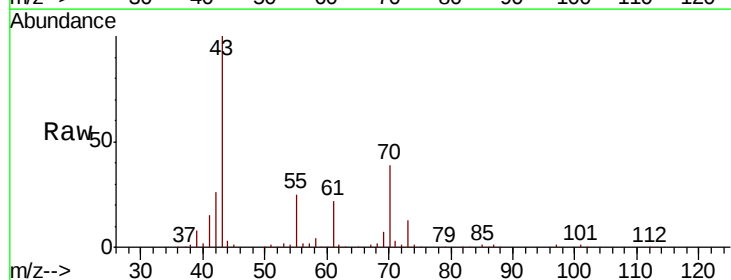
Ion Ratio Lower Upper

43 100

70 40.0 31.6 47.4

55 25.0 19.7 29.5

61 23.0 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

60000

50000

40000

30000

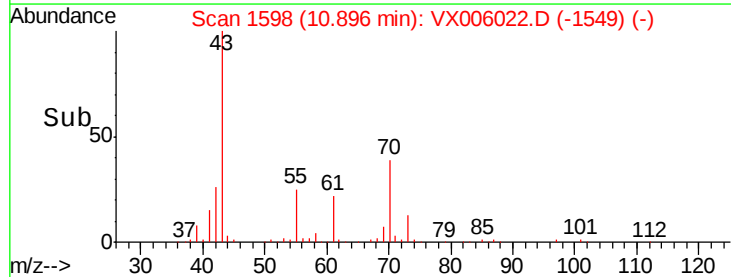
20000

10000

0

10.80 10.90 11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.893 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

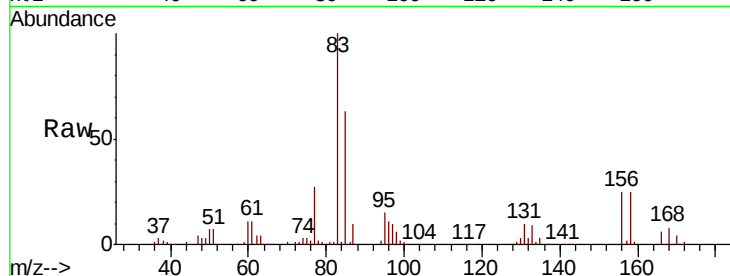
Tot Ion: 83 Resp: 37741

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.9

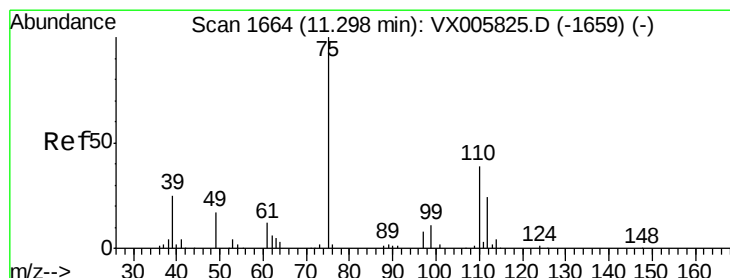
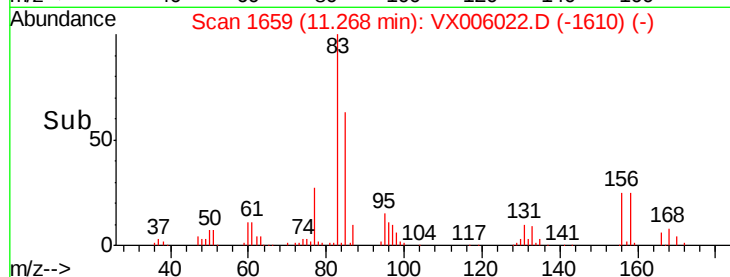
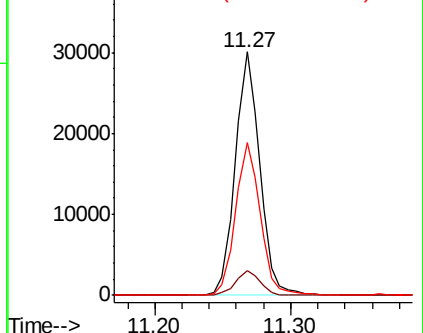
85 63.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.068 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006022.D

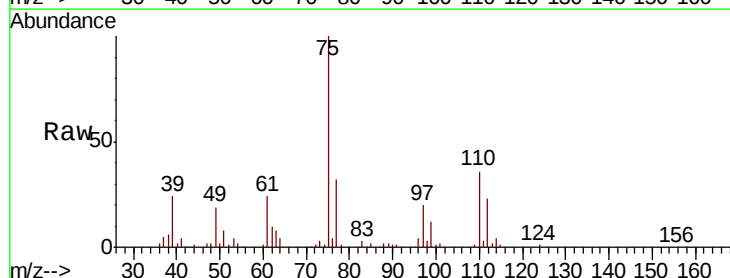
Acq: 15 Nov 2018 16:13

Tgt Ion: 75 Resp: 45173

Ion Ratio Lower Upper

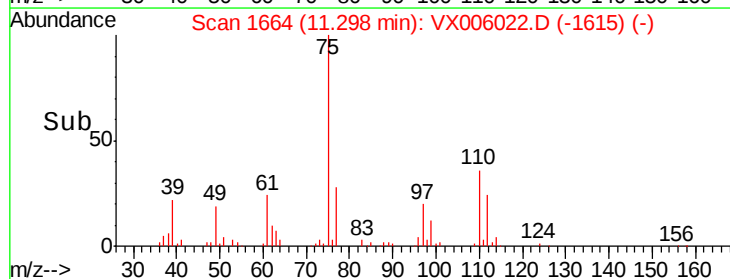
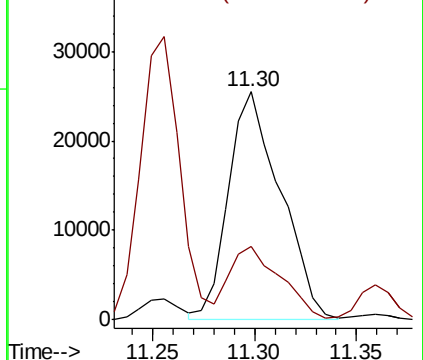
75 100

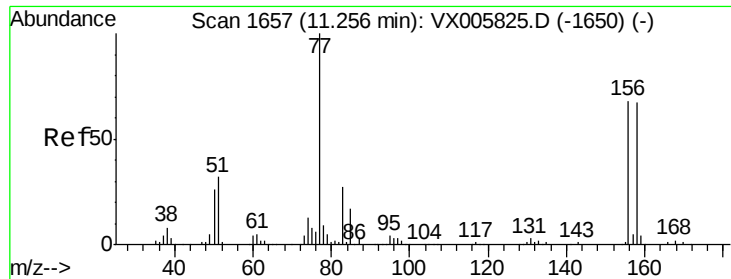
77 31.5 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

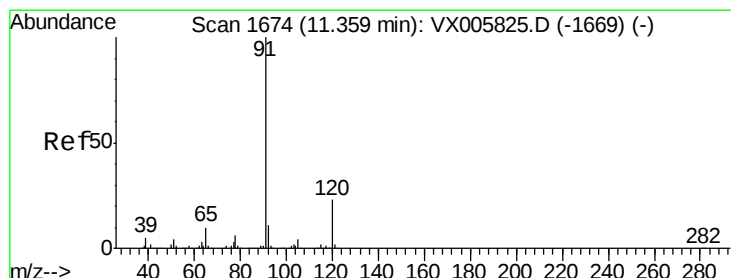
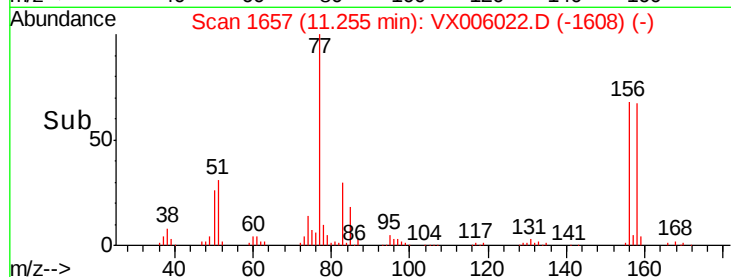
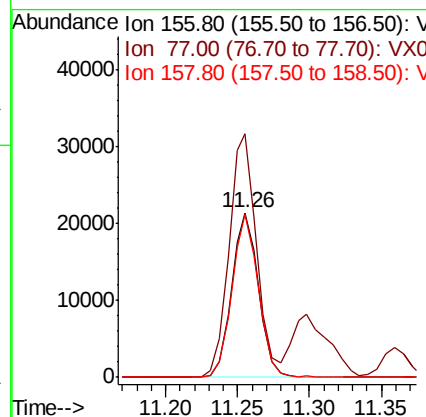
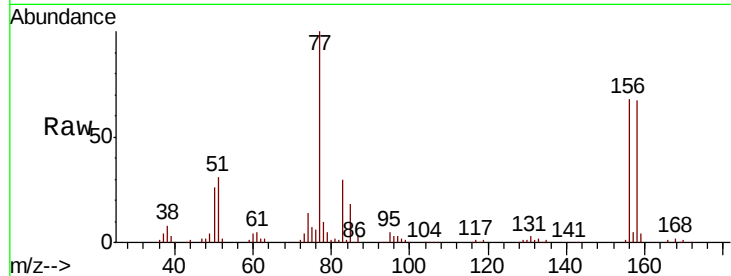




#77
Bromobenzene
Concen: 20.163 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

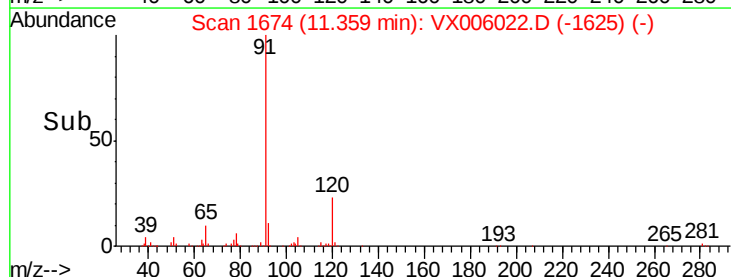
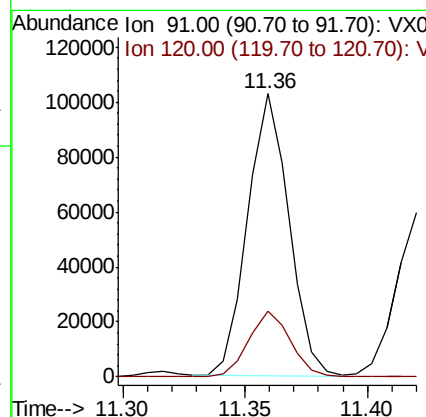
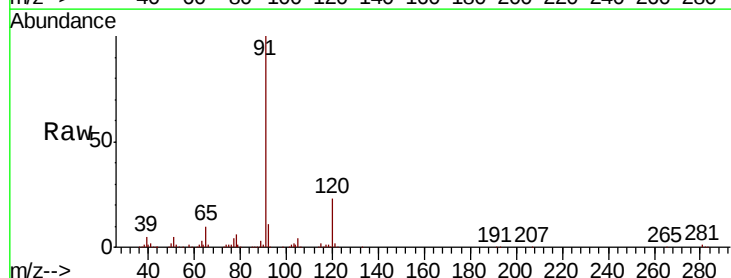
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:156 Resp: 27970
Ion Ratio Lower Upper
156 100
77 151.7 74.8 224.4
158 97.8 49.1 147.3



#78
n-propylbenzene
Concen: 20.916 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 91 Resp: 121312
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5





#79

2-Chlorotoluene

Concen: 20.969 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

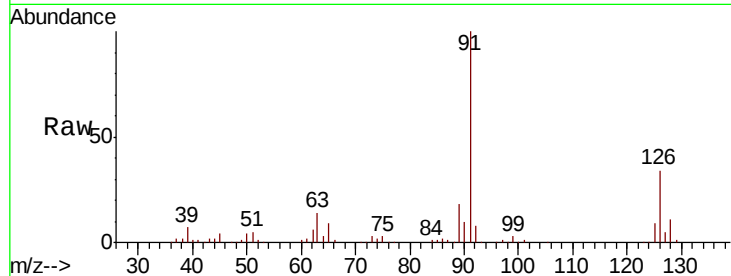
ClientSampleId :

Tot Ion: 91 Resp: 73513

Ion Ratio Lower Upper

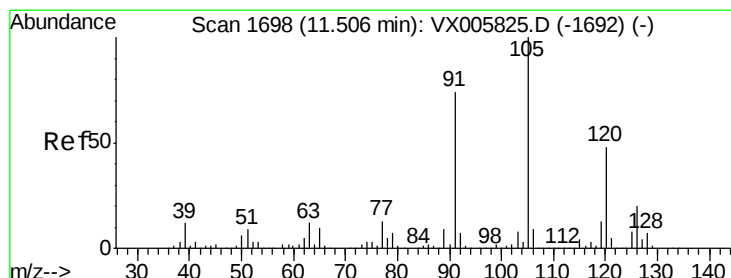
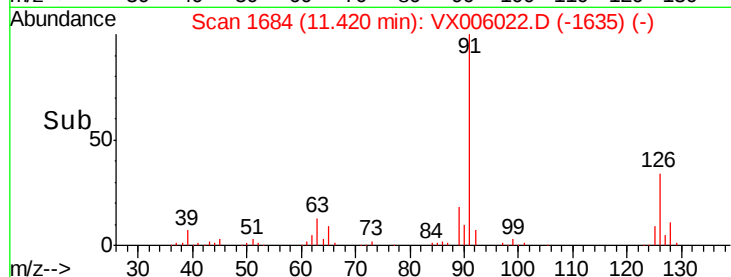
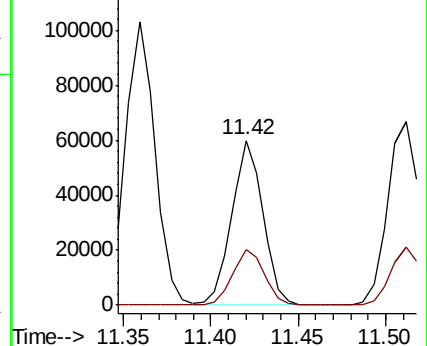
91 100

126 34.7 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.116 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006022.D

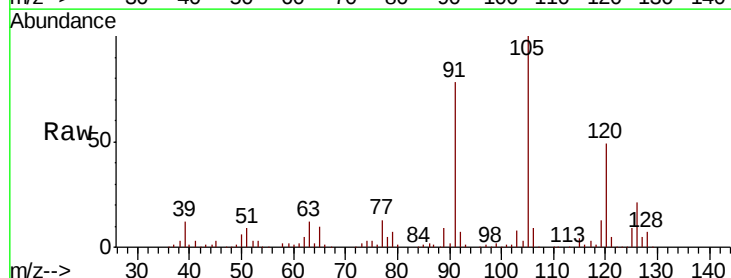
Acq: 15 Nov 2018 16:13

Tgt Ion: 105 Resp: 88313

Ion Ratio Lower Upper

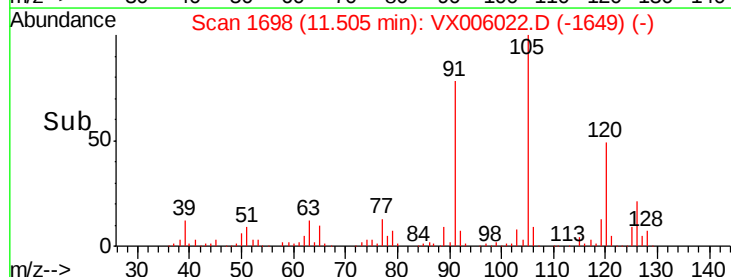
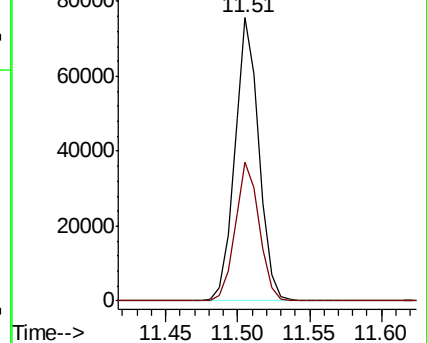
105 100

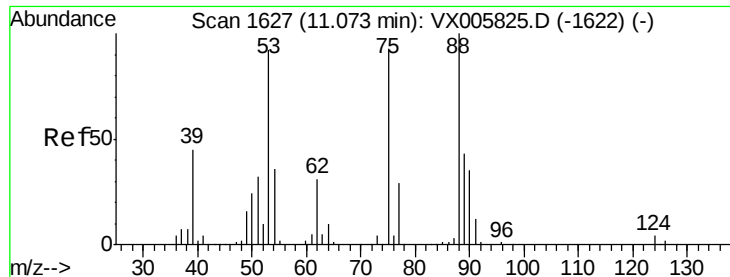
120 49.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.082 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

ClientSampleId :

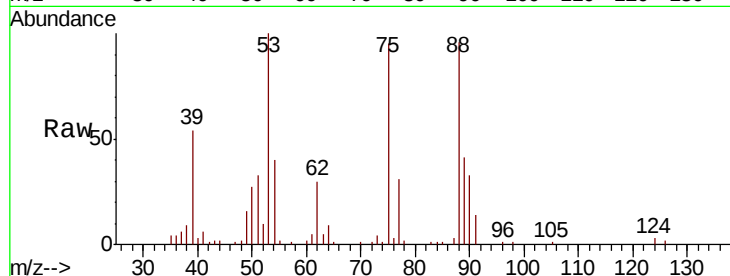
Tot Ion: 75 Resp: 10919

Ion Ratio Lower Upper

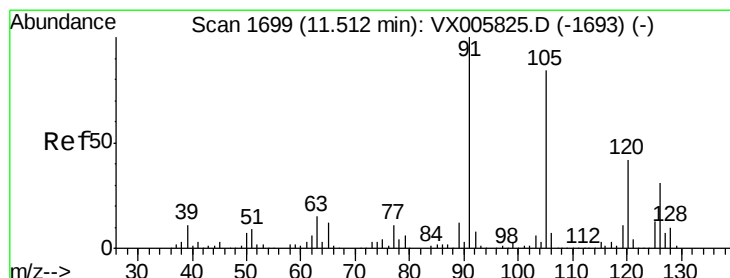
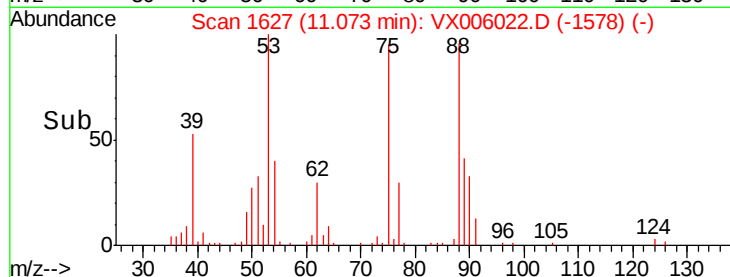
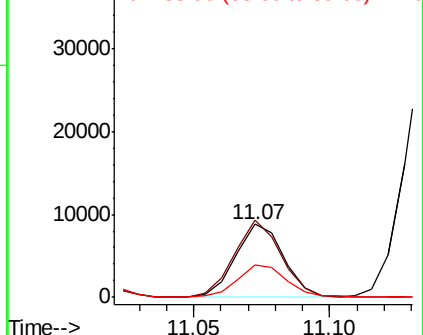
75 100

53 102.9 80.2 120.2

89 45.4 39.8 59.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.754 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006022.D

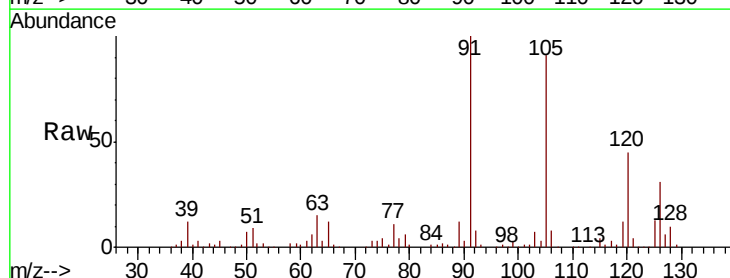
Acq: 15 Nov 2018 16:13

Tgt Ion: 91 Resp: 85749

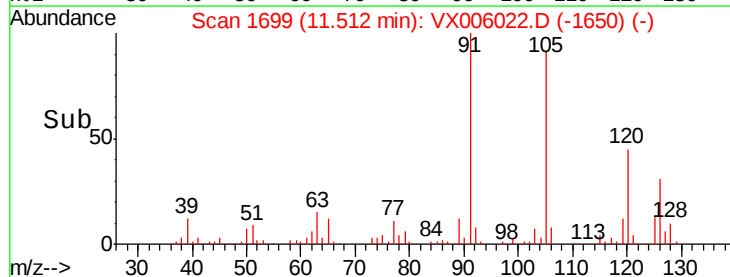
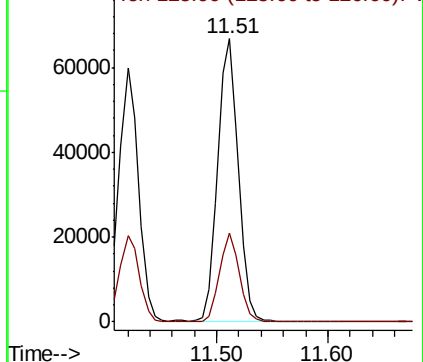
Ion Ratio Lower Upper

91 100

126 30.1 15.2 45.6



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

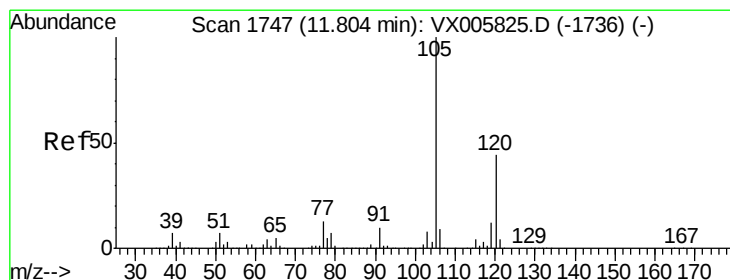
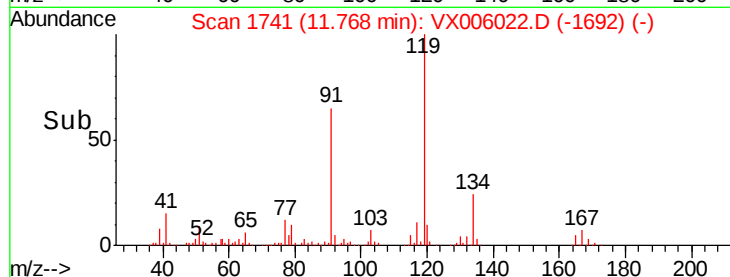
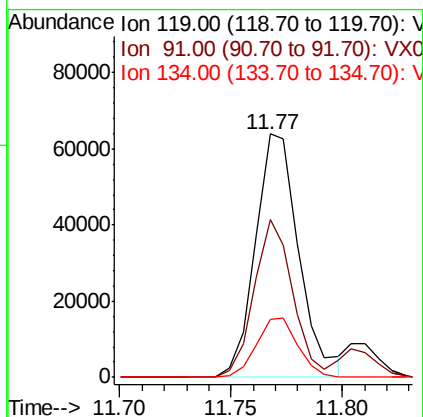
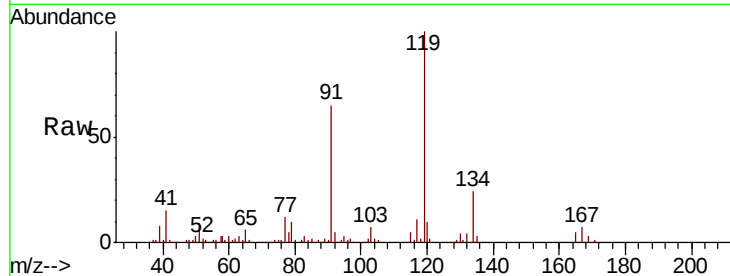




#83
 tert-Butylbenzene
 Concen: 20.541 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

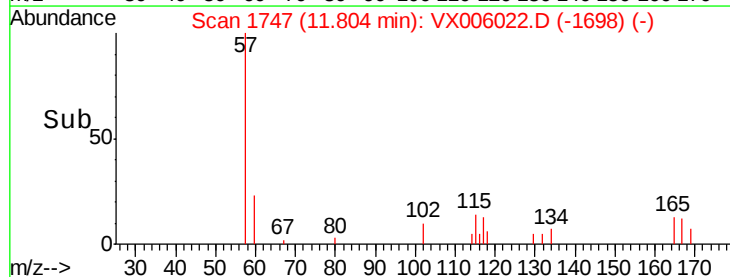
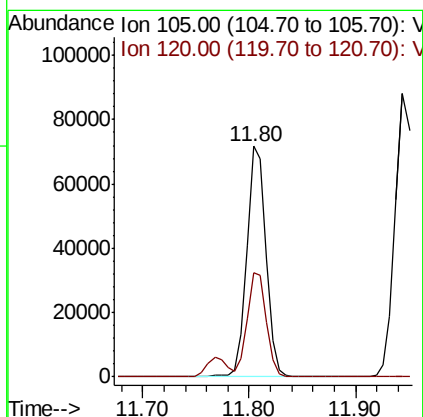
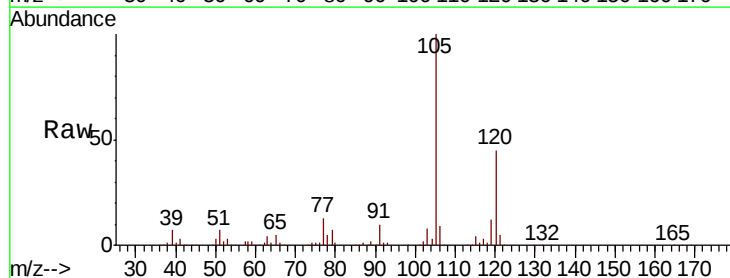
Instrument :
 MSVOA_X
 ClientSampleId :

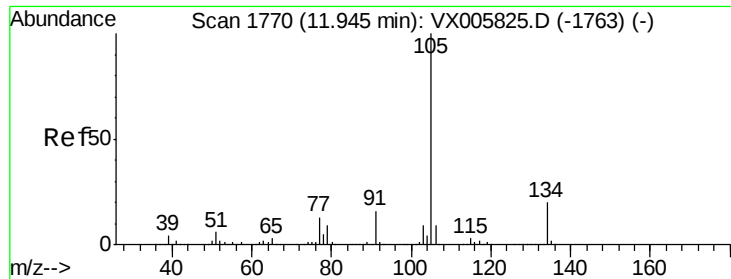
Tot Ion:119 Resp: 86911
 Ion Ratio Lower Upper
 119 100
 91 58.0 28.5 85.5
 134 23.3 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.673 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion:105 Resp: 91137
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 20.612 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_X

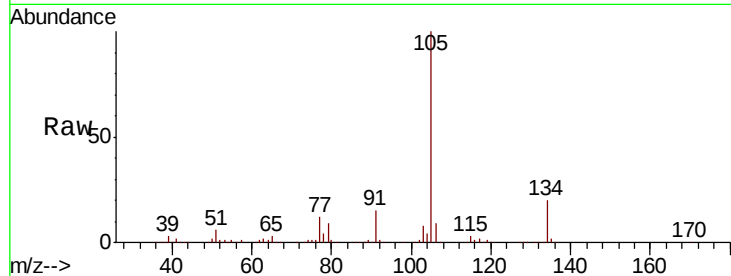
ClientSampleId :

Tot Ion:105 Resp: 106648

Ion Ratio Lower Upper

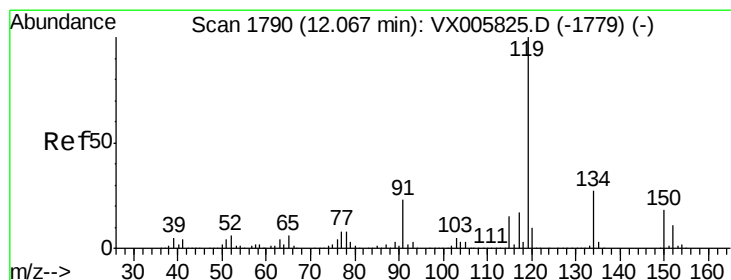
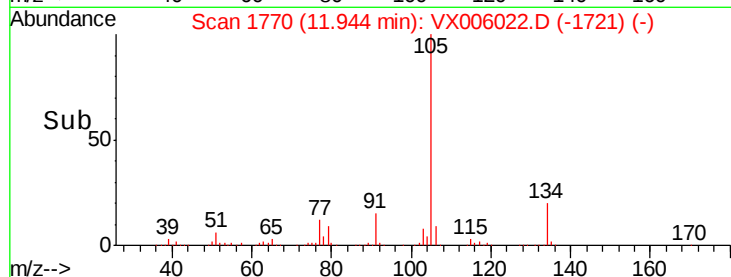
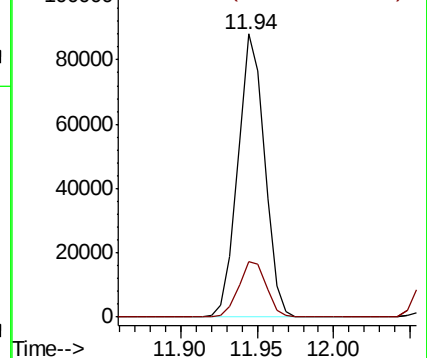
105 100

134 20.2 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.461 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006022.D

Acq: 15 Nov 2018 16:13

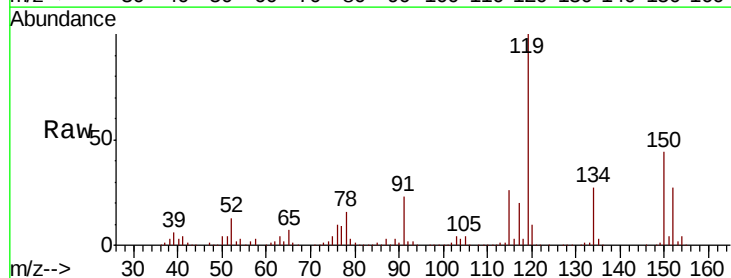
Tgt Ion:119 Resp: 93772

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

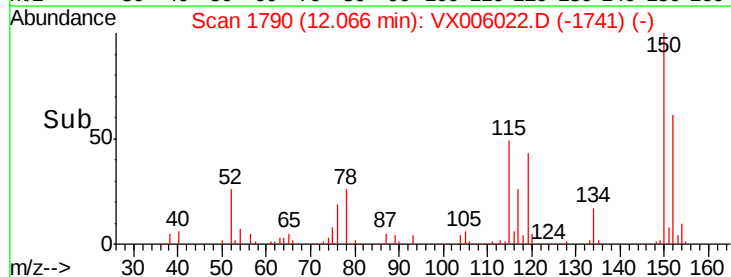
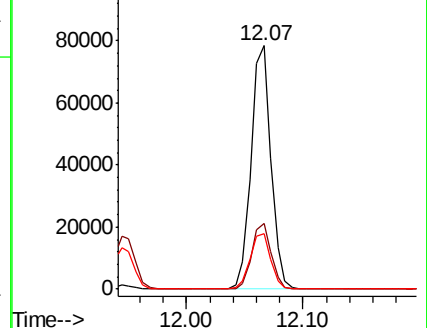
91 23.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

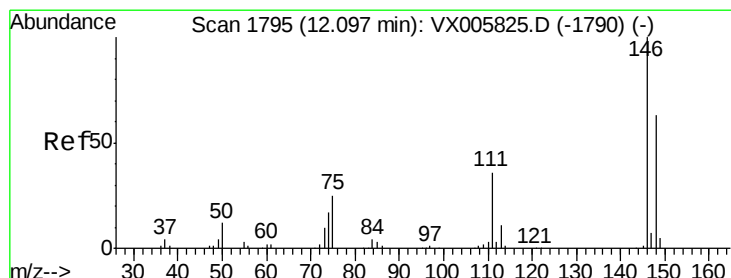
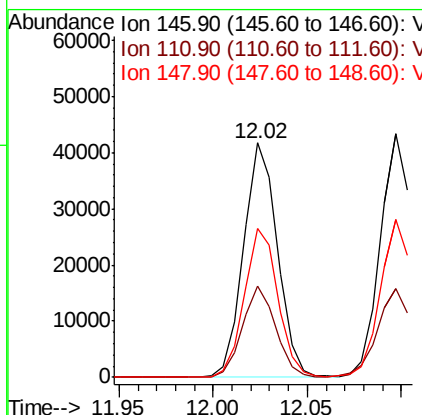
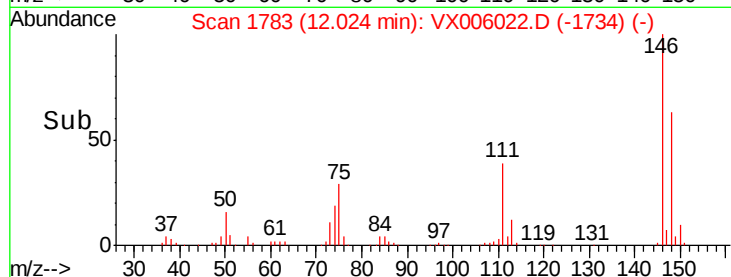
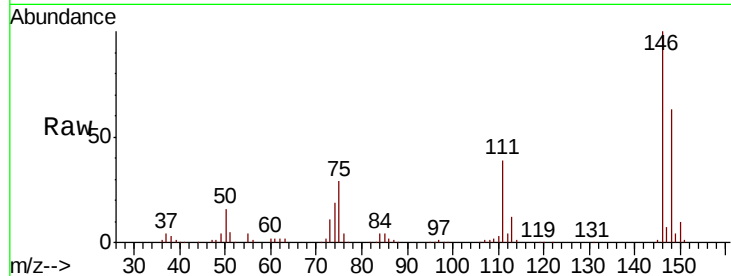




#87
 1,3-Dichlorobenzene
 Concen: 19.595 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

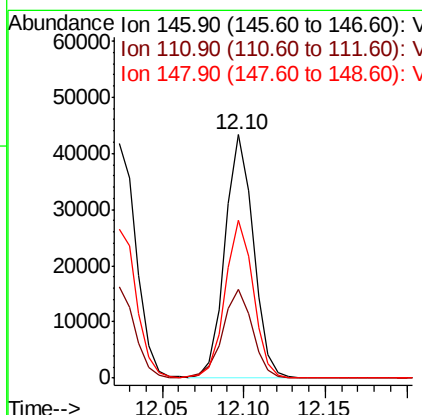
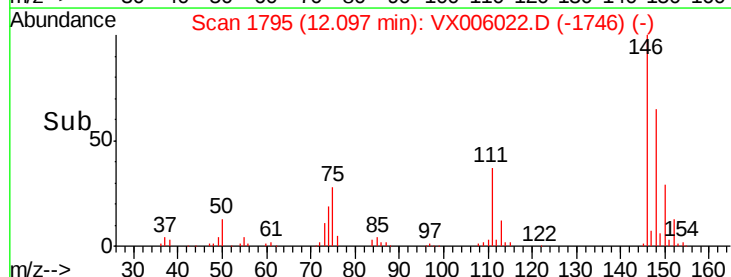
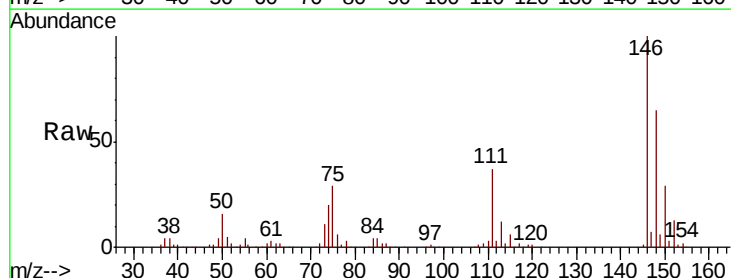
Instrument :
 MSVOA_X
 ClientSampled :

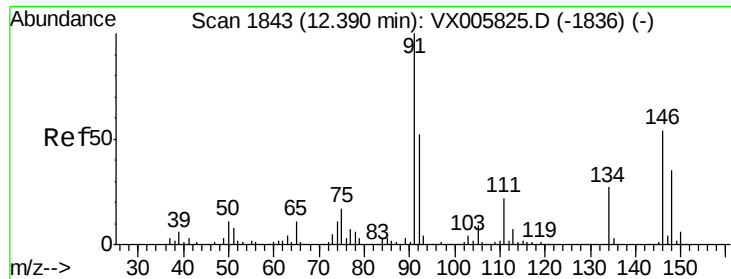
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	62.8	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.236 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.8
148	64.6	32.1	96.3

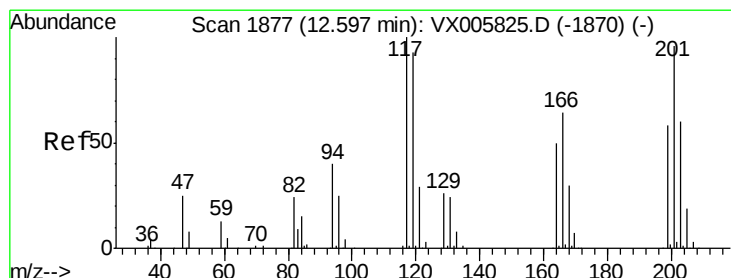
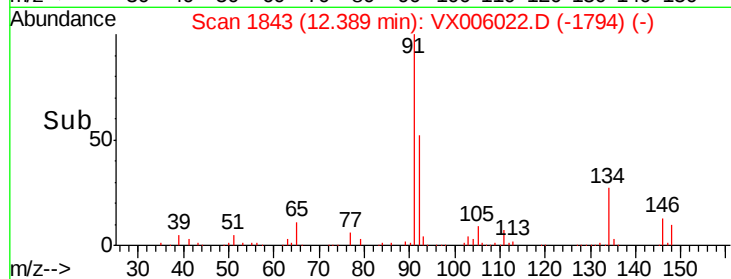
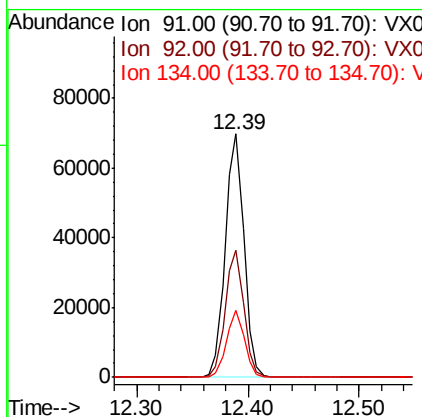
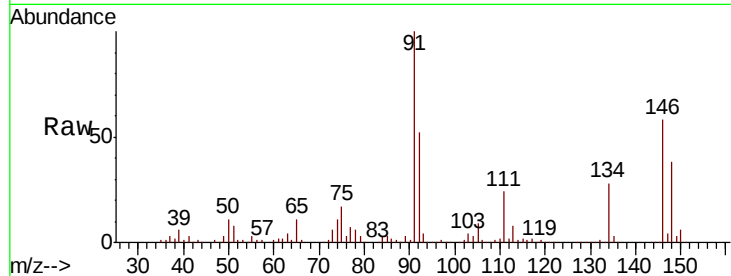




#89
n-Butylbenzene
Concen: 19.117 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

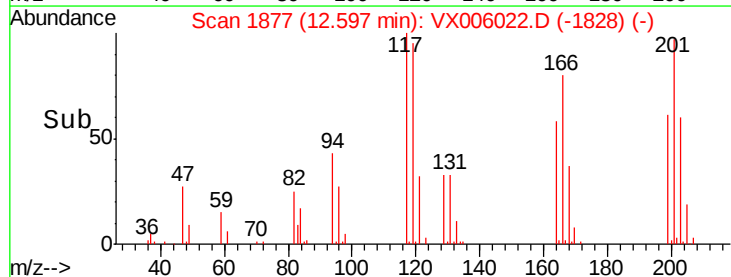
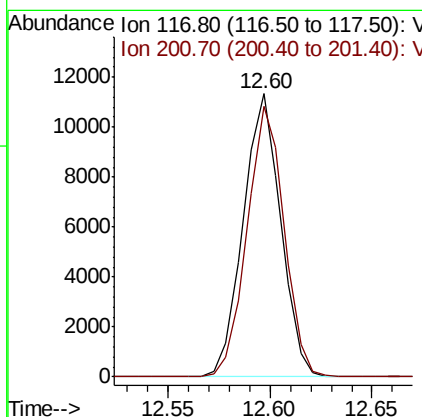
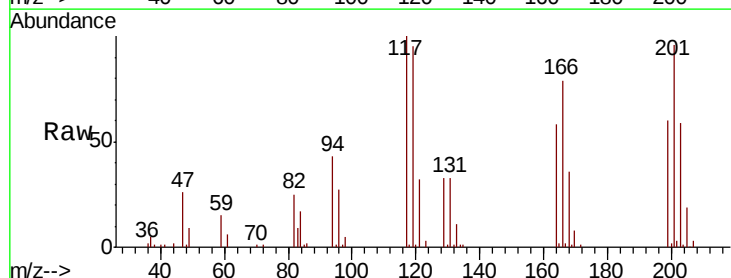
Instrument :
MSVOA_X
ClientSampleId :

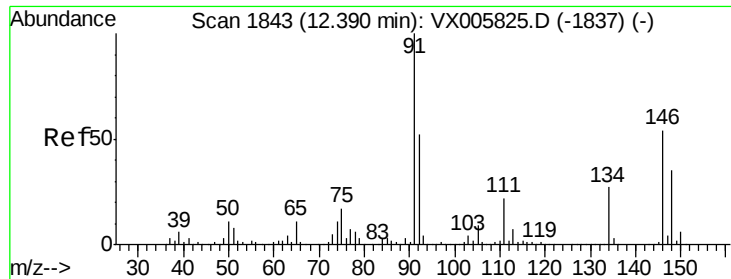
Tot Ion: 91 Resp: 81201
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.2
134 26.3 13.1 39.3



#90
Hexachloroethane
Concen: 18.851 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 117 Resp: 14424
Ion Ratio Lower Upper
117 100
201 95.0 47.9 143.6

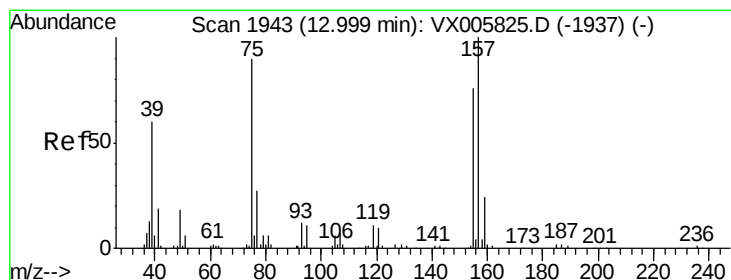
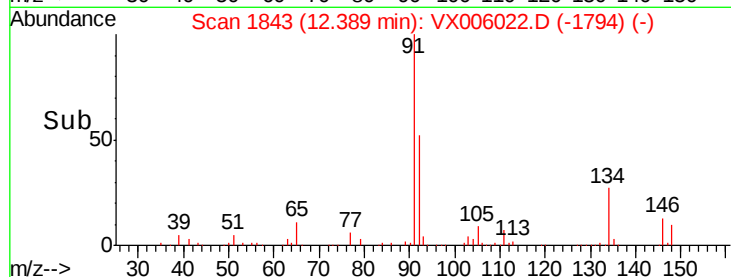
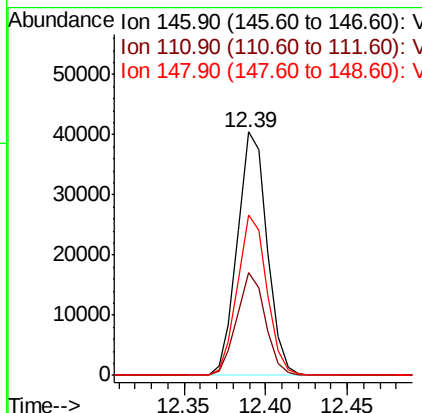
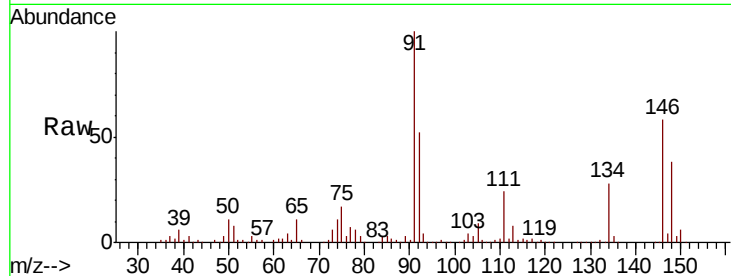




#91
 1,2-Dichlorobenzene
 Concen: 19.326 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

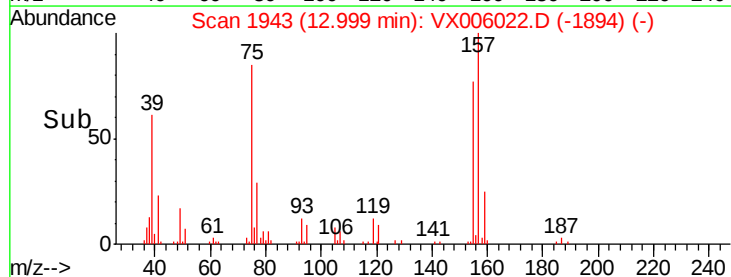
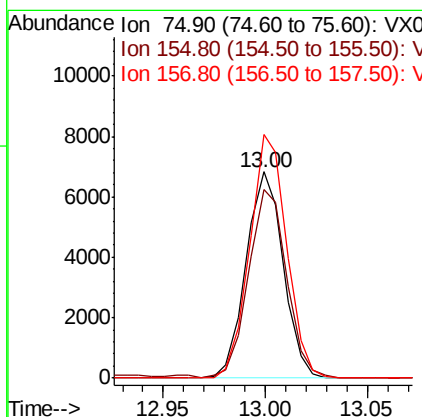
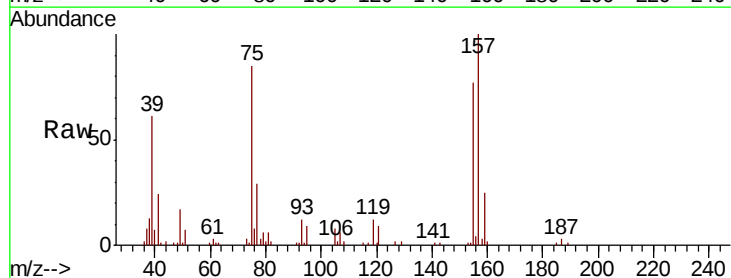
Instrument :
 MSVOA_X
 ClientSampled :

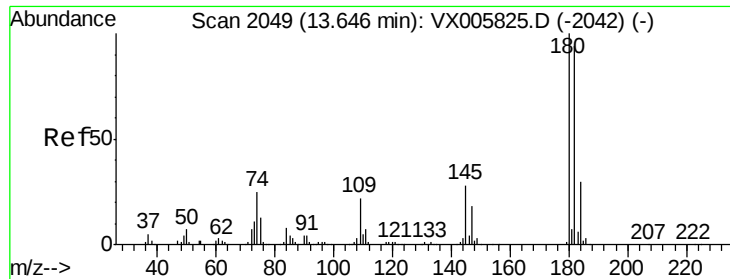
Tot Ion:146 Resp: 51541
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 59.9
 148 65.2 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.596 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion: 75 Resp: 8638
 Ion Ratio Lower Upper
 75 100
 155 93.5 45.4 136.1
 157 117.2 57.4 172.0

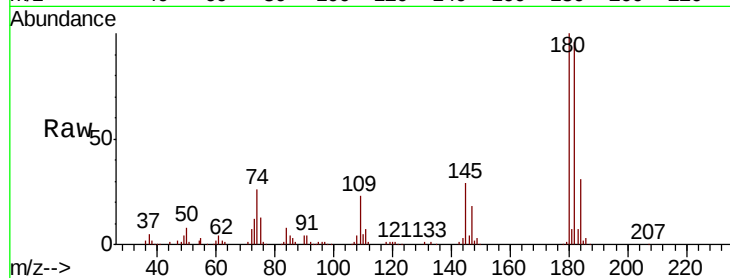




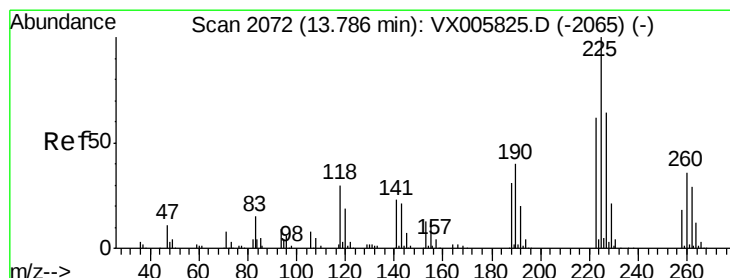
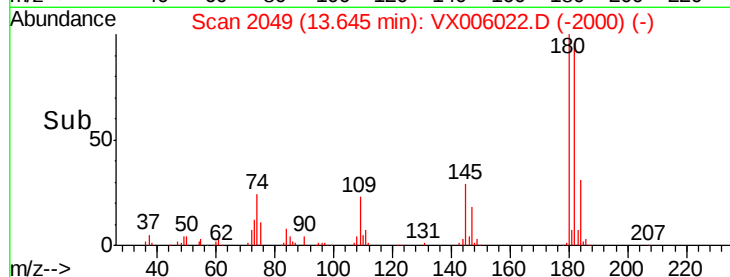
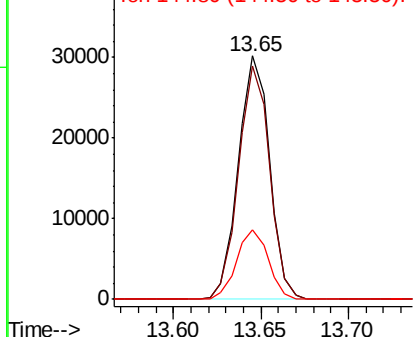
#93
 1,2,4-Trichlorobenzene
 Concen: 19.980 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 37512
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.6 142.8
 145 29.1 14.1 42.2

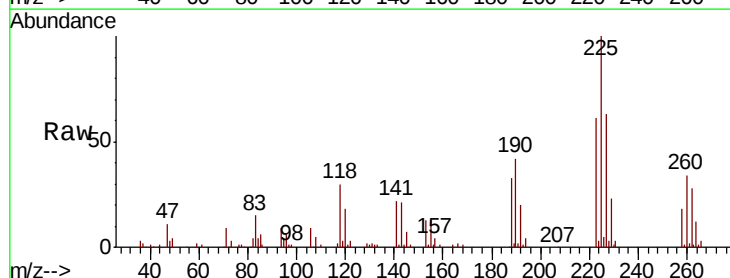


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

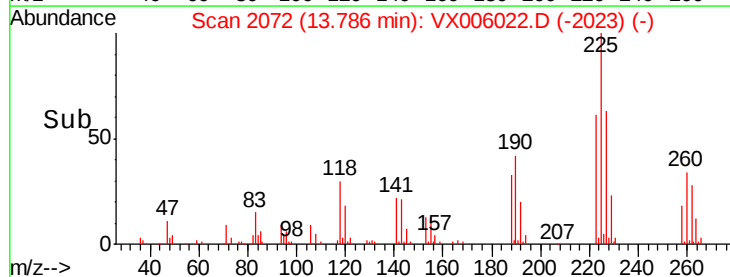
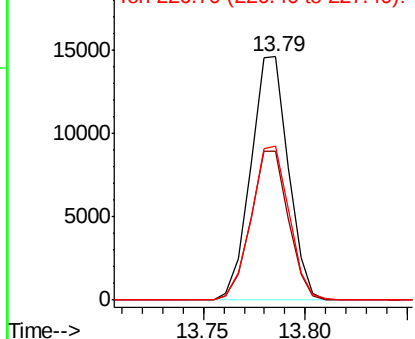


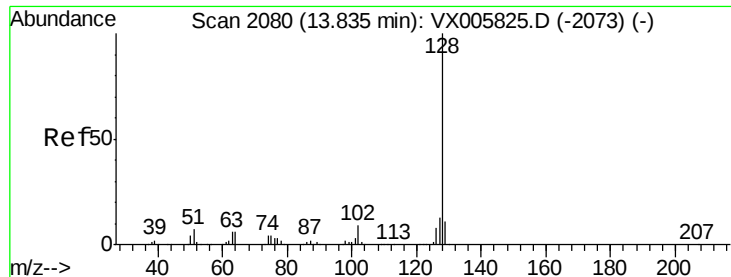
#94
 Hexachlorobutadiene
 Concen: 18.984 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006022.D
 Acq: 15 Nov 2018 16:13

Tgt Ion:225 Resp: 18722
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.7 95.1
 227 63.8 32.3 96.9



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

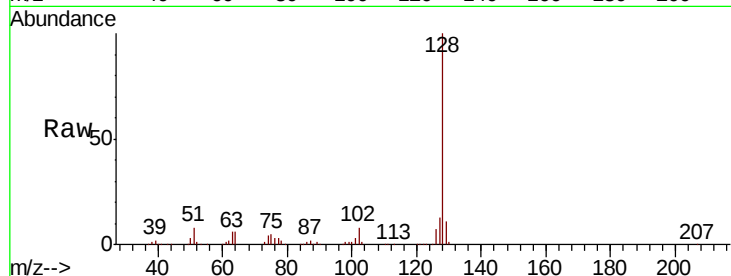




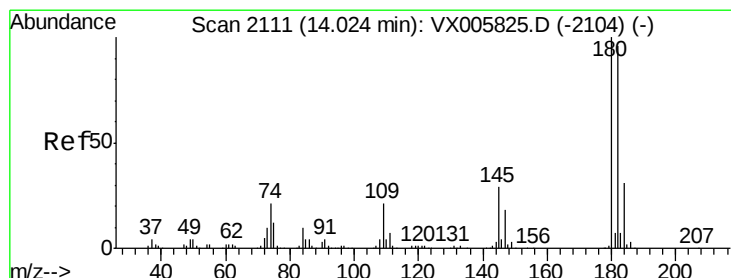
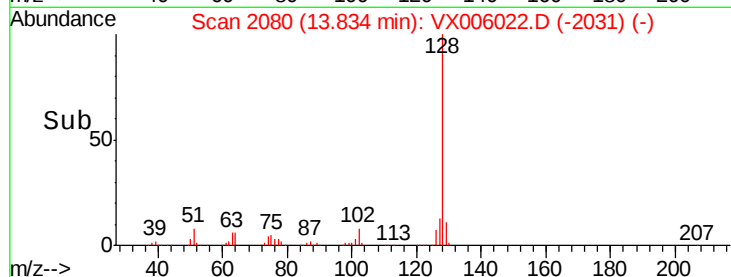
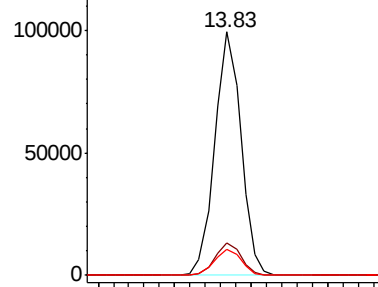
#95
Naphthalene
Concen: 20.120 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 118778
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.7 13.1

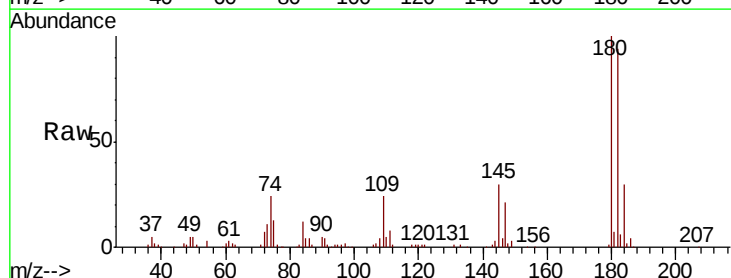


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.307 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006022.D
Acq: 15 Nov 2018 16:13

Tgt Ion:180 Resp: 38841
Ion Ratio Lower Upper
180 100
182 96.3 48.0 144.2
145 30.0 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

