

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX005997.D
 Acq On : 15 Nov 2018 02:20
 Operator : JC/MD
 Sample : VX1114MBSD2
 Misc : 5.00µl/100µl/5.00mL/MSVOA_X/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Quant Time: Nov 15 06:10:00 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	5.66	168	122183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	191866	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	151911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	82765	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	66100	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
35) Dibromofluoromethane	5.49	113	57510	44.07	ug/l	-0.01
Spiked Amount			Recovery	=	88.14%	
50) Toluene-d8	8.71	98	189399	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	
62) 4-Bromofluorobenzene	11.14	95	70396	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	20764	18.849	ug/l	97
3) Chloromethane	1.32	50	26844	18.568	ug/l	98
4) Vinyl Chloride	1.40	62	26798	18.464	ug/l	94
5) Bromomethane	1.64	94	15662	17.634	ug/l	99
6) Chloroethane	1.72	64	17261	19.932	ug/l	98
7) Trichlorofluoromethane	1.93	101	35101	18.220	ug/l	98
8) Diethyl Ether	2.19	74	15320	20.294	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	20499	18.501	ug/l	94
10) Methyl Iodide	2.51	142	23398	17.424	ug/l	98
11) Tert butyl alcohol	3.07	59	39120	97.221	ug/l	99
12) 1,1-Dichloroethene	2.37	96	21968	20.341	ug/l	94
13) Acrolein	2.29	56	25116	140.036	ug/l	89
14) Allyl chloride	2.73	41	46398	19.236	ug/l	99
15) Acrylonitrile	3.15	53	85594	102.644	ug/l	99
16) Acetone	2.45	43	75059	99.245	ug/l	96
17) Carbon Disulfide	2.57	76	56317	17.483	ug/l	100
18) Methyl Acetate	2.78	43	44551	21.125	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	76811	20.839	ug/l	98
20) Methylene Chloride	2.85	84	24982	20.109	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	23011	20.201	ug/l	98
22) Diisopropyl ether	3.87	45	87310	20.664	ug/l #	96
23) Vinyl Acetate	3.82	43	381569	105.324	ug/l	99
24) 1,1-Dichloroethane	3.70	63	45683	20.265	ug/l	99
25) 2-Butanone	4.70	43	121762	102.405	ug/l	93
26) 2,2-Dichloropropane	4.59	77	29405	17.782	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	25260	20.083	ug/l	96
28) Bromochloromethane	5.01	49	23257	23.084	ug/l	96
29) Tetrahydrofuran	5.15	42	79932	104.699	ug/l	96
30) Chloroform	5.22	83	45578	20.957	ug/l	91
31) Cyclohexane	5.57	56	36394	18.599	ug/l #	91
32) 1,1,1-Trichloroethane	5.50	97	36499	20.120	ug/l	100
36) 1,1-Dichloropropene	5.79	75	29923	16.178	ug/l	97
37) Ethyl Acetate	4.85	43	44010	18.094	ug/l	99
38) Carbon Tetrachloride	5.78	117	31656	17.096	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	29038	15.490	ug/l	97
40) Benzene	6.15	78	92194	17.098	ug/l	98
41) Methacrylonitrile	5.06	41	24116	18.349	ug/l	98
42) 1,2-Dichloroethane	6.20	62	33121	17.149	ug/l	99
43) Isopropyl Acetate	6.46	43	63707	18.076	ug/l	99
44) Trichloroethene	7.21	130	22362	16.330	ug/l	96
45) 1,2-Dichloropropane	7.51	63	23528	17.977	ug/l	95
46) Dibromomethane	7.66	93	14668	17.860	ug/l	99
47) Bromodichloromethane	7.90	83	28355	18.269	ug/l	98
48) Methyl methacrylate	7.77	41	28815	18.208	ug/l	100
49) 1,4-Dioxane	7.75	88	12511	366.875	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	197692	89.001	ug/l	99
52) Toluene	8.79	92	52410	17.391	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	29384	16.043	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	32911	17.629	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	21909	16.313	ug/l	98
56) Ethyl methacrylate	9.18	69	33337	16.589	ug/l	100
57) 1,3-Dichloropropane	9.37	76	37176	16.471	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	94415	91.644	ug/l	99
59) 2-Hexanone	9.49	43	156038	79.696	ug/l	100
60) Dibromochloromethane	9.58	129	21962	15.130	ug/l	100
61) 1,2-Dibromoethane	9.67	107	22914	15.429	ug/l	100
64) Tetrachloroethene	9.33	164	23624	18.266	ug/l	97
65) Chlorobenzene	10.14	112	58688	19.285	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	21535	20.354	ug/l	100
67) Ethyl Benzene	10.25	91	98308	20.145	ug/l	99
68) m/p-Xylenes	10.36	106	75737	40.688	ug/l	99
69) o-Xylene	10.70	106	35922	21.522	ug/l	99
70) Styrene	10.71	104	59936	21.768	ug/l	99
71) Bromoform	10.86	173	17807	20.077	ug/l #	100
73) Isopropylbenzene	11.02	105	99389	20.766	ug/l	100
74) N-amyl acetate	10.90	43	49246	19.130	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	35435	20.171	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	42132	25.000	ug/l	85
77) Bromobenzene	11.26	156	26755	19.833	ug/l	98
78) n-propylbenzene	11.36	91	113372	20.099	ug/l	99
79) 2-Chlorotoluene	11.42	91	69348	20.340	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	84291	20.724	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9797	18.528	ug/l	96
82) 4-Chlorotoluene	11.51	91	81907	20.384	ug/l	98
83) tert-Butylbenzene	11.77	119	81384	19.779	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	87417	19.402	ug/l	99
85) sec-Butylbenzene	11.94	105	99533	19.781	ug/l	100
86) p-Isopropyltoluene	12.07	119	87851	19.711	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	48696	18.809	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	49756	18.773	ug/l	99
89) n-Butylbenzene	12.39	91	74724	18.090	ug/l	99
90) Hexachloroethane	12.60	117	14050	18.881	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	49630	19.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	8846	20.635	ug/l	98

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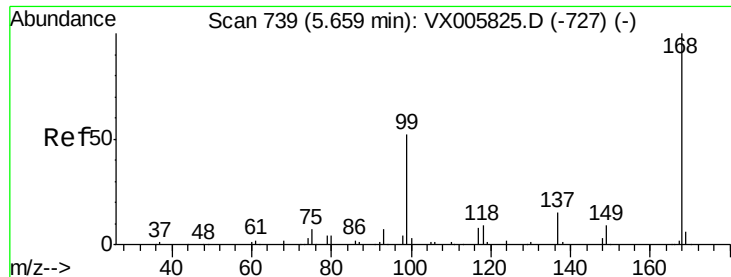
Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	35202	19.280	ug/l	99
94) Hexachlorobutadiene	13.79	225	16246	16.939	ug/l	100
95) Naphthalene	13.83	128	109584	19.148	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	36146	19.432	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

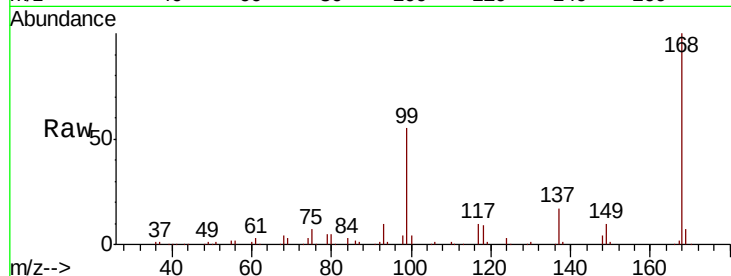
VX1114MBSD02

Tot Ion:168 Resp: 122183

Ion Ratio Lower Upper

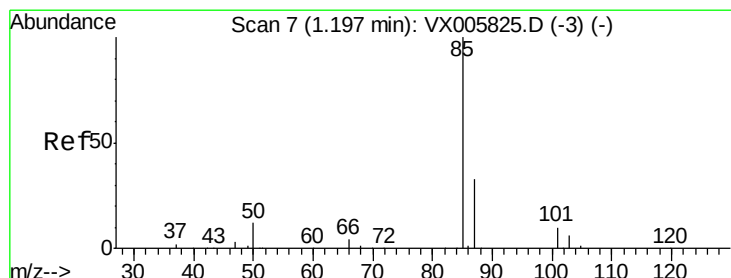
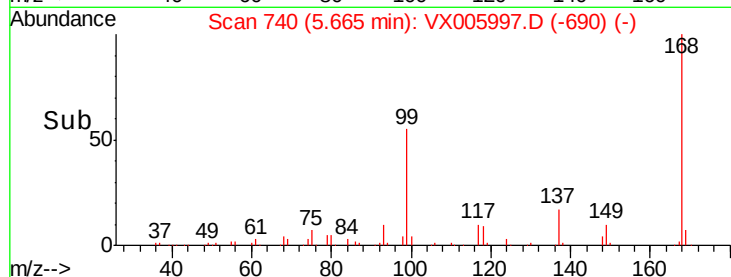
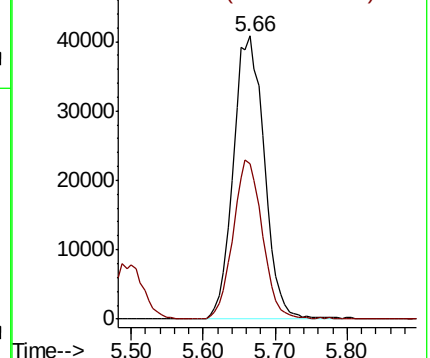
168 100

99 54.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.849 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005997.D

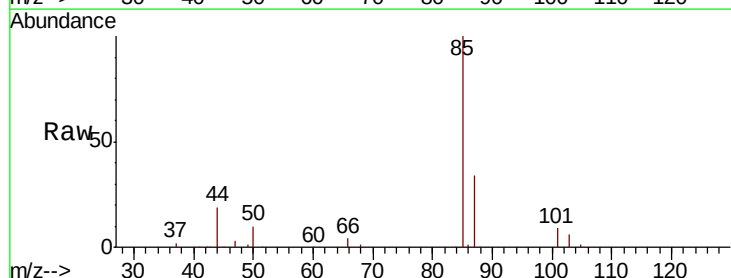
Acq: 15 Nov 2018 02:20

Tgt Ion: 85 Resp: 20764

Ion Ratio Lower Upper

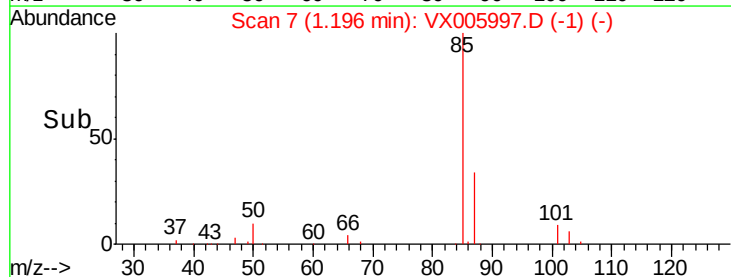
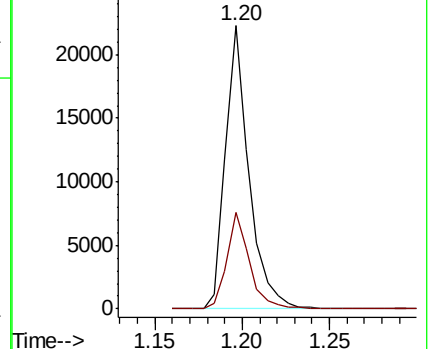
85 100

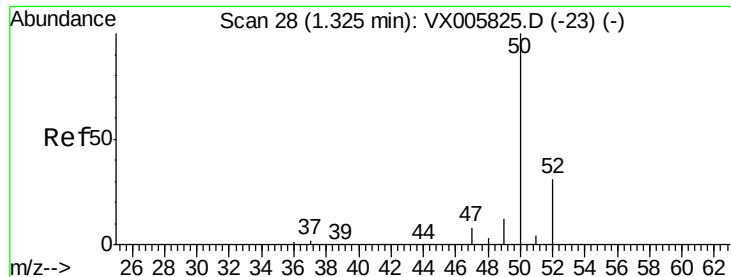
87 34.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.568 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

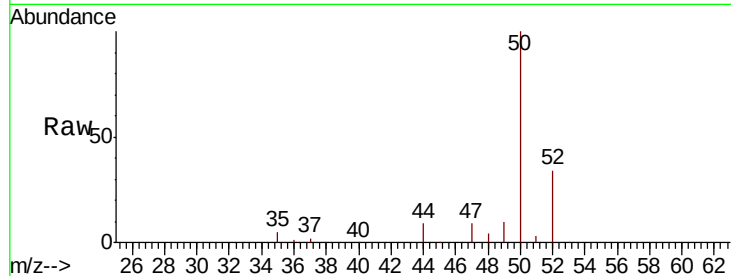
VX1114MBSD02

Tot Ion: 50 Resp: 26844

Ion Ratio Lower Upper

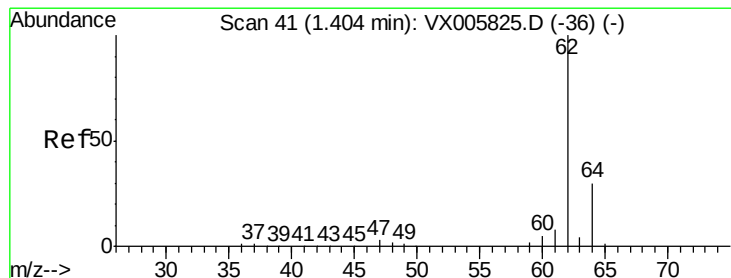
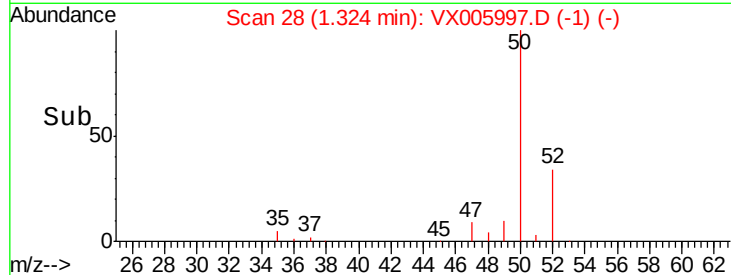
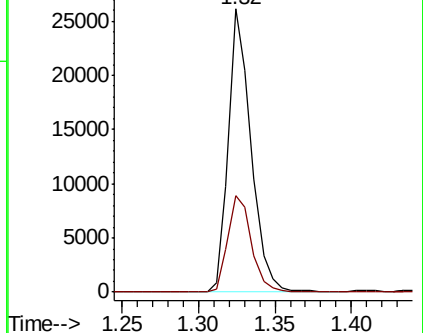
50 100

52 34.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.464 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005997.D

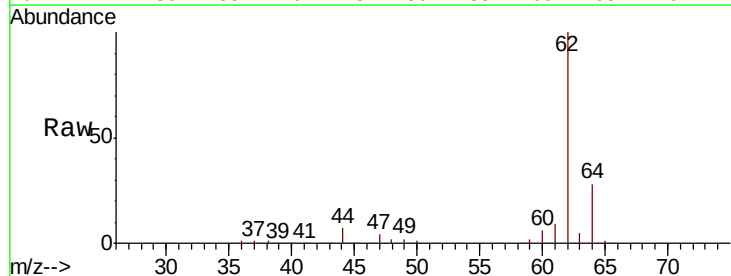
Acq: 15 Nov 2018 02:20

Tgt Ion: 62 Resp: 26798

Ion Ratio Lower Upper

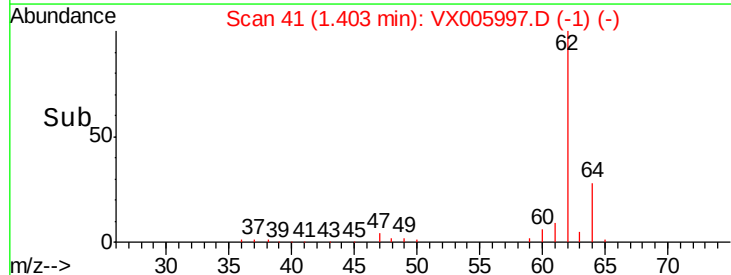
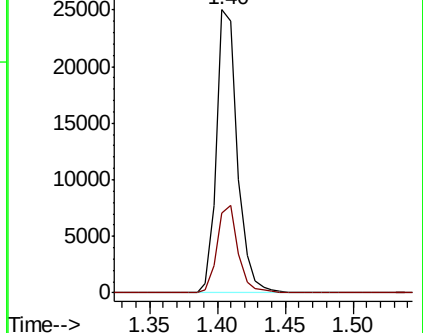
62 100

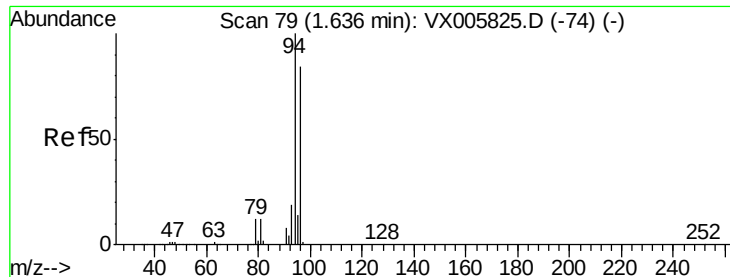
64 28.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.634 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

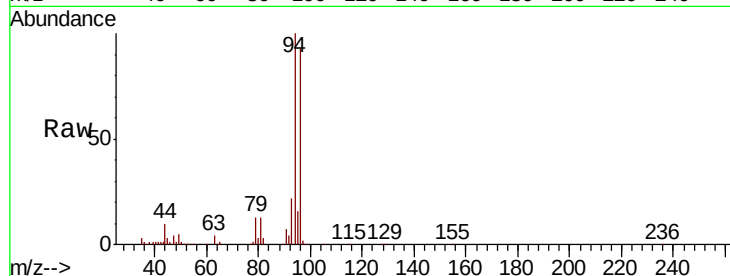
VX1114MBSD02

Tot Ion: 94 Resp: 15662

Ion Ratio Lower Upper

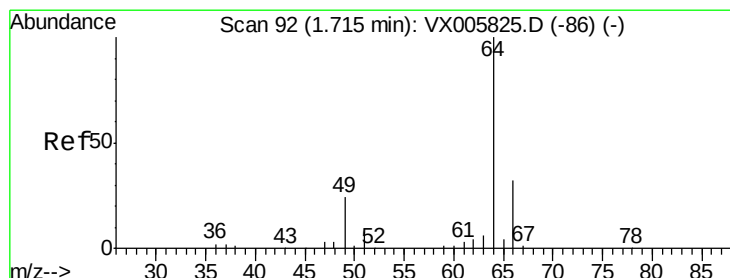
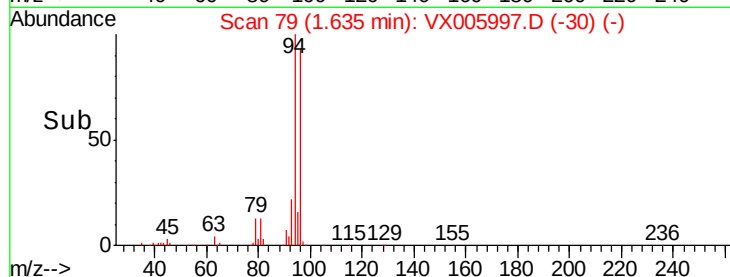
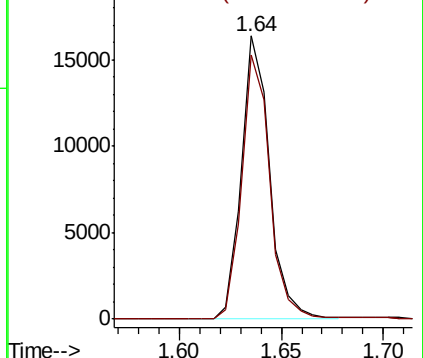
94 100

96 93.2 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: 19.932 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005997.D

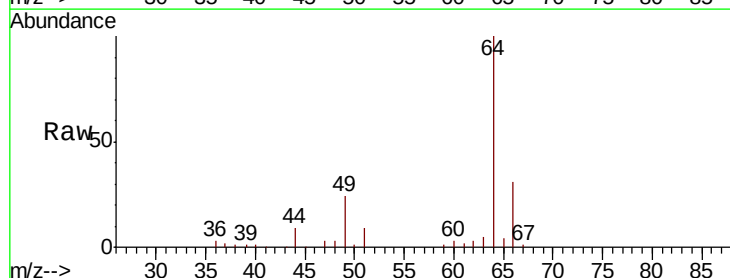
Acq: 15 Nov 2018 02:20

Tgt Ion: 64 Resp: 17261

Ion Ratio Lower Upper

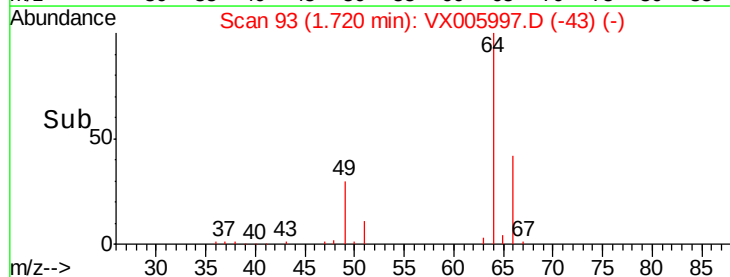
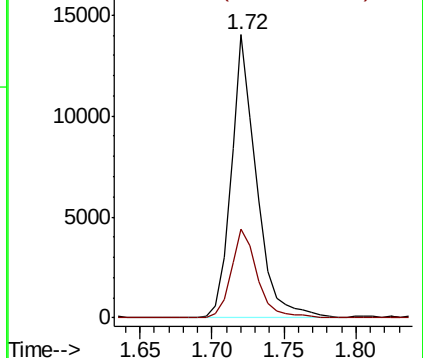
64 100

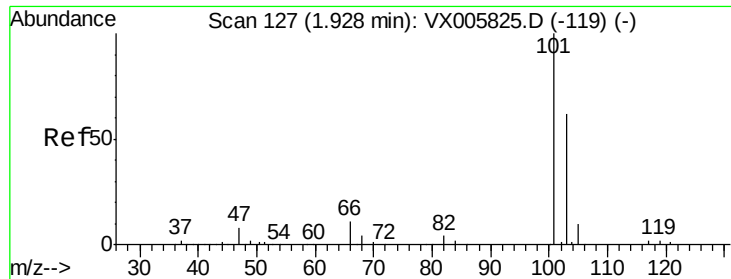
66 31.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



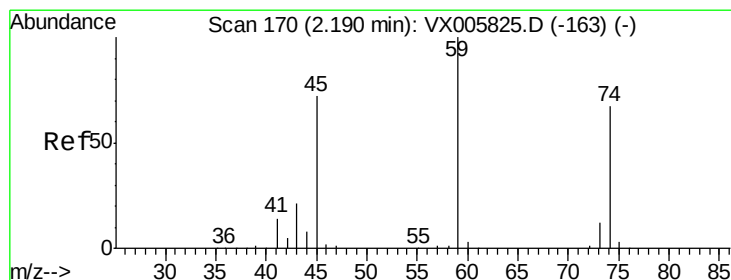
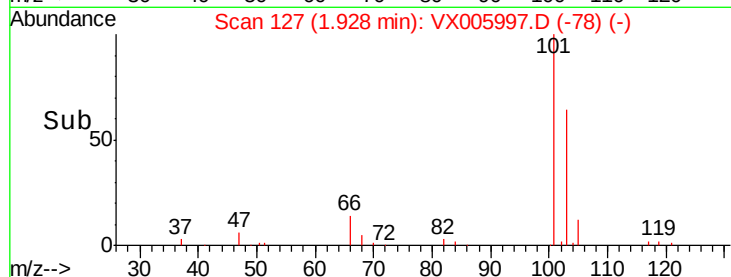
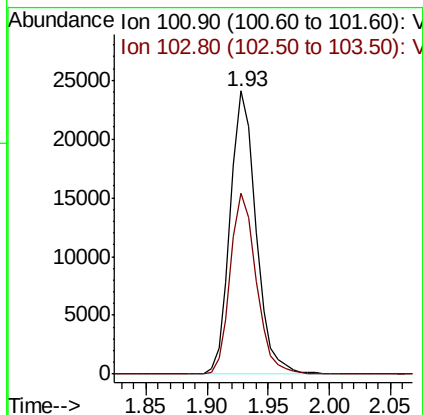
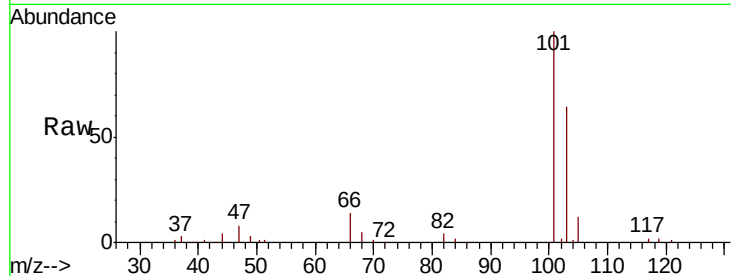


#7

Trichlorofluoromethane
 Concen: 18.220 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBS02

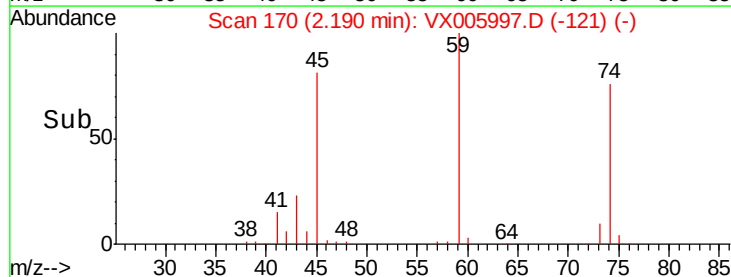
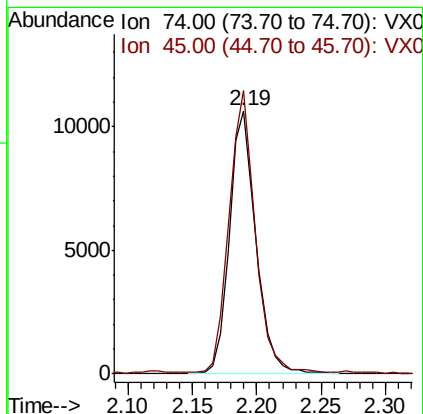
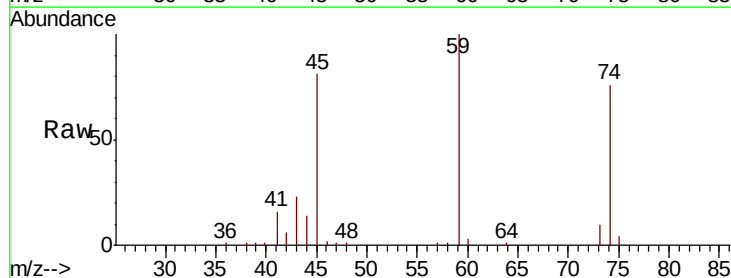
Tot Ion:101 Resp: 35101
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.0 75.0

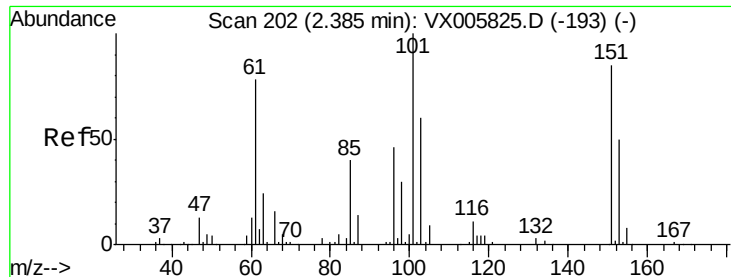


#8

Diethyl Ether
 Concen: 20.294 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 74 Resp: 15320
 Ion Ratio Lower Upper
 74 100
 45 105.9 54.1 162.3

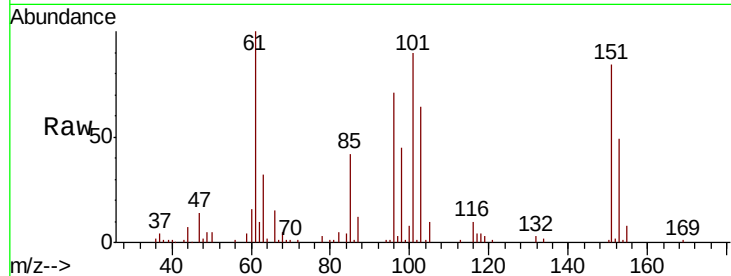




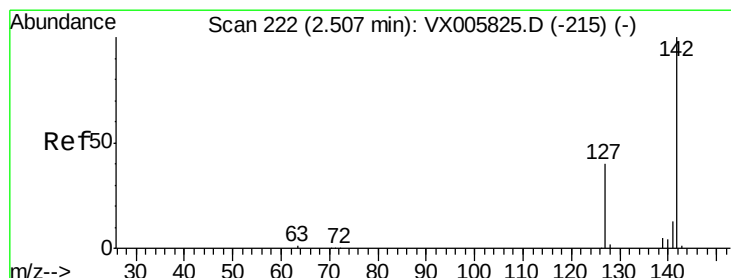
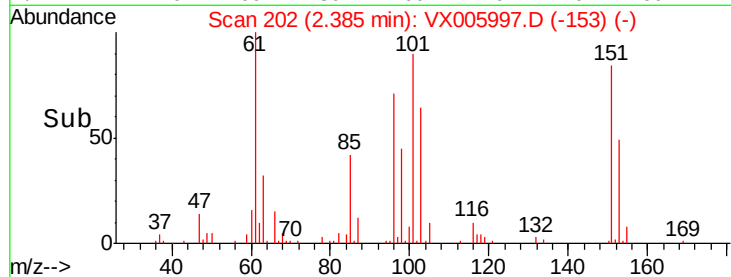
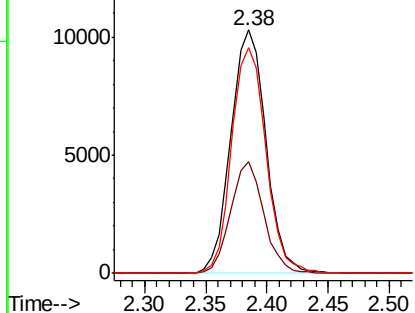
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.501 ug/l
 RT: 2.38 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.0	52.4
151	90.1	66.2	99.2

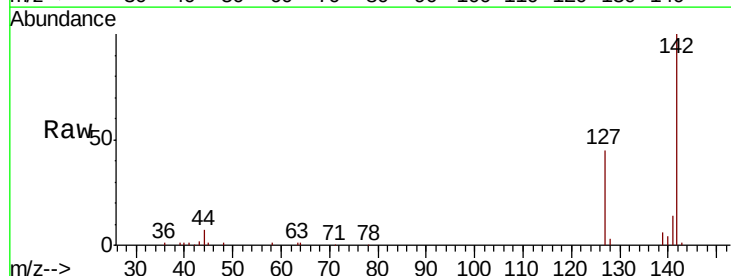


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 150.80 (150.50 to 151.50): V

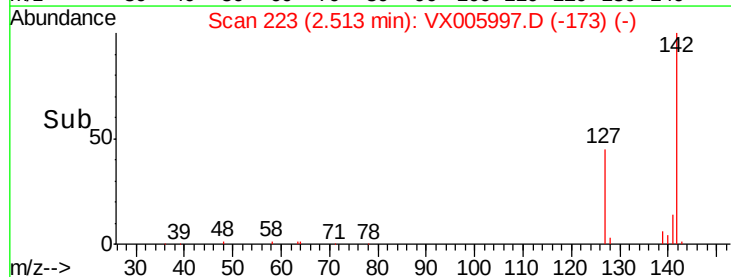
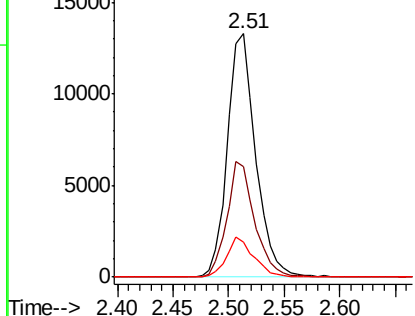


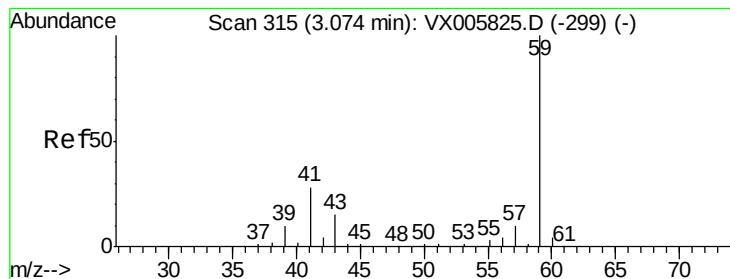
#10
 Methyl Iodide
 Concen: 17.424 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.1	36.0	54.0
141	15.5	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



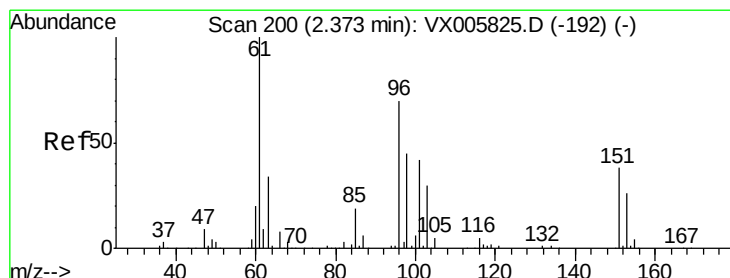
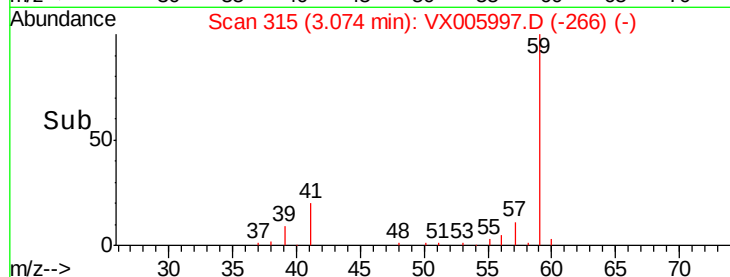
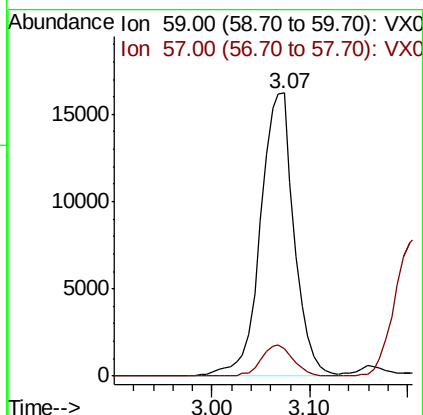
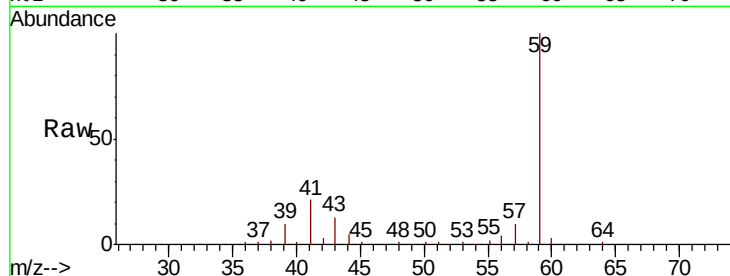


#11

Tert butyl alcohol
 Concen: 97.221 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

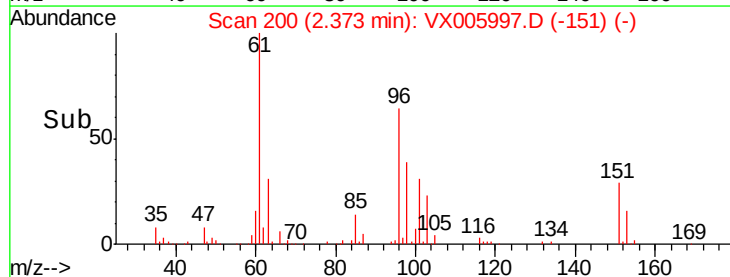
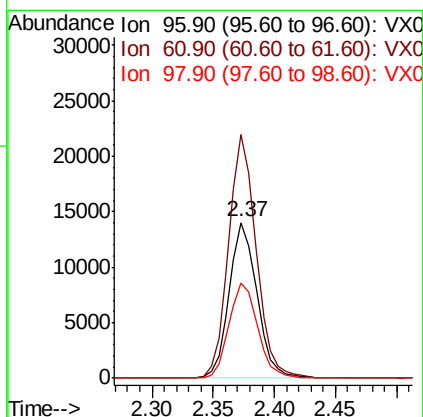
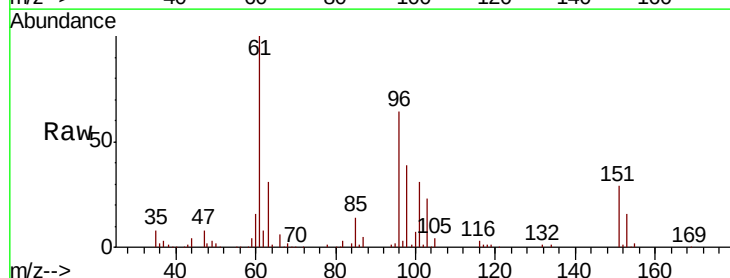
Tot Ion: 59 Resp: 39120
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

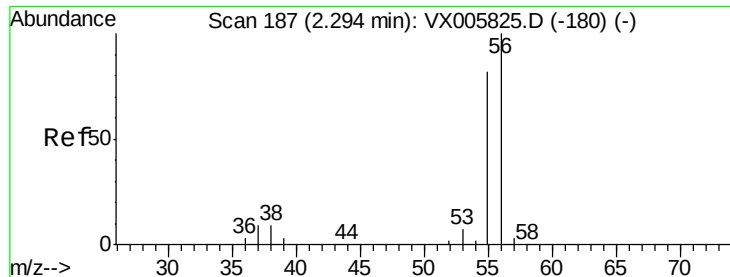


#12

1,1-Dichloroethene
 Concen: 20.341 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 96 Resp: 21968
 Ion Ratio Lower Upper
 96 100
 61 156.8 131.8 197.8
 98 61.6 53.4 80.2





#13

Acrolein

Concen: 140.036 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

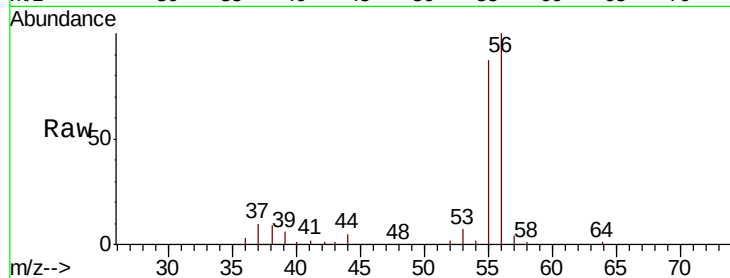
VX1114MBSD02

Tot Ion: 56 Resp: 25116

Ion Ratio Lower Upper

56 100

55 81.0 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

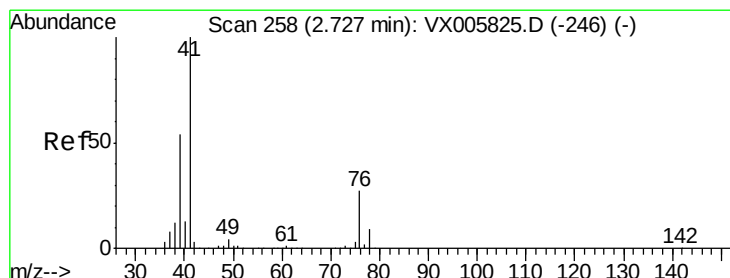
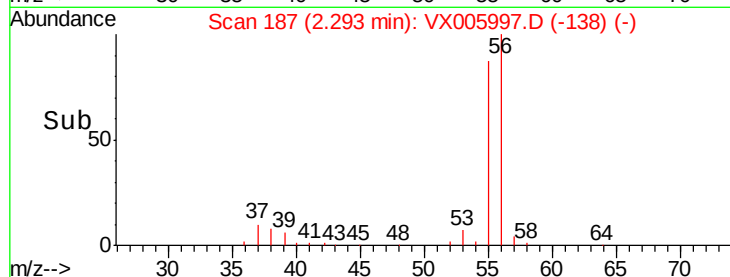
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 19.236 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

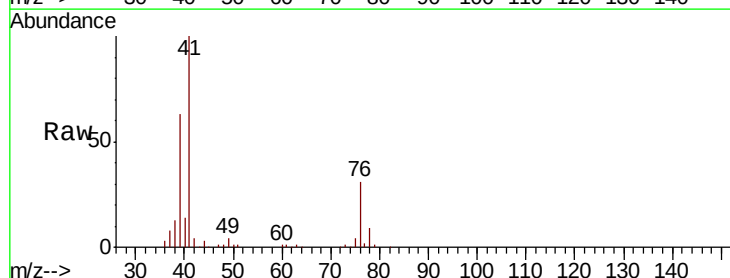
Tgt Ion: 41 Resp: 46398

Ion Ratio Lower Upper

41 100

39 60.0 48.2 72.4

76 27.9 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

2.73

30000

25000

20000

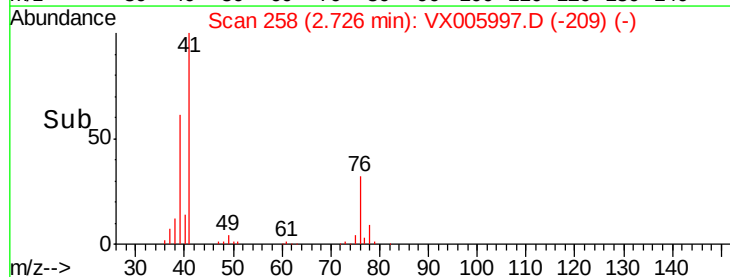
15000

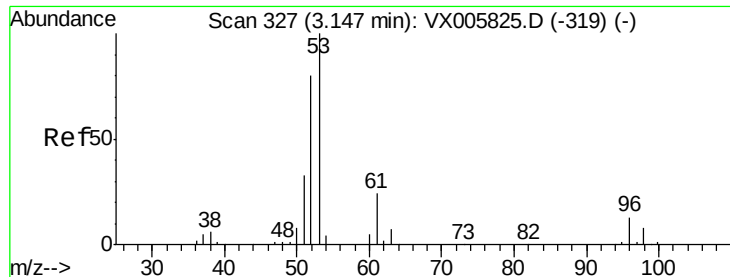
10000

5000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 102.644 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

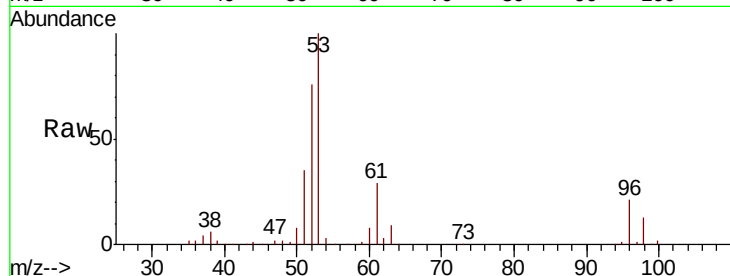
Tot Ion: 53 Resp: 85594

Ion Ratio Lower Upper

53 100

52 82.1 66.6 99.8

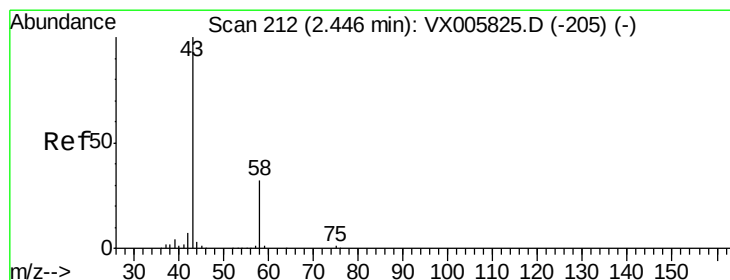
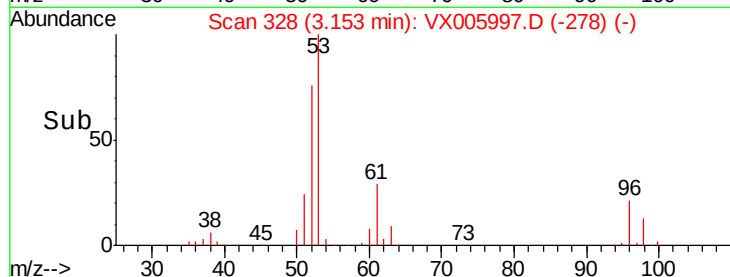
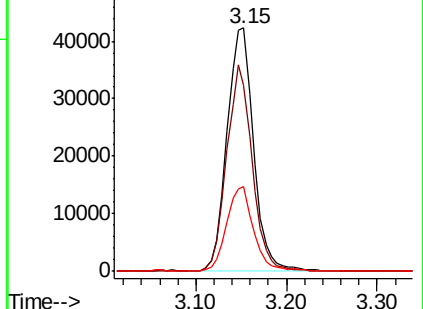
51 35.5 28.4 42.6



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: 99.245 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005997.D

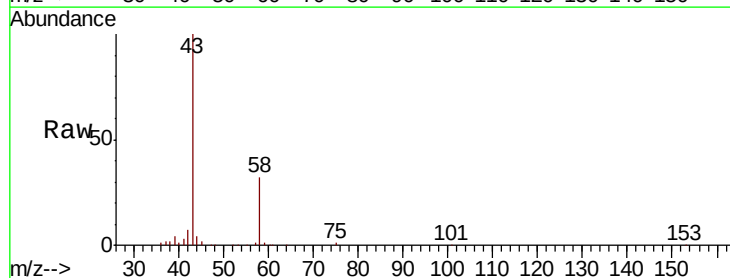
Acq: 15 Nov 2018 02:20

Tgt Ion: 43 Resp: 75059

Ion Ratio Lower Upper

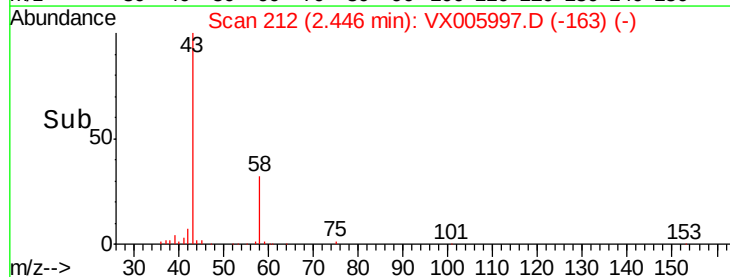
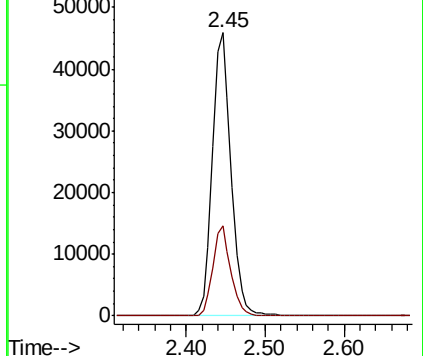
43 100

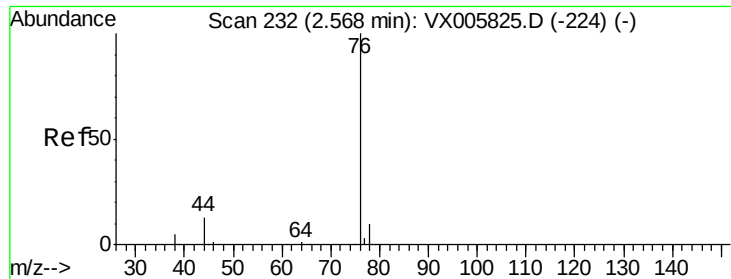
58 31.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.483 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

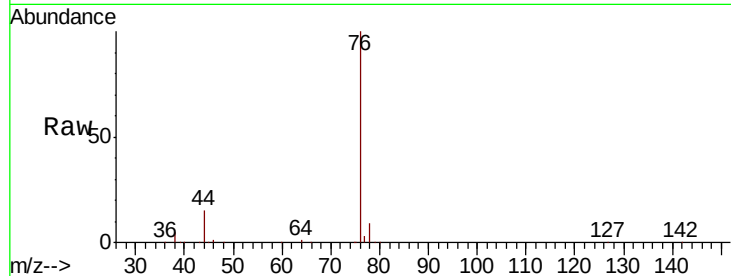
VX1114MBSD02

Tot Ion: 76 Resp: 56317

Ion Ratio Lower Upper

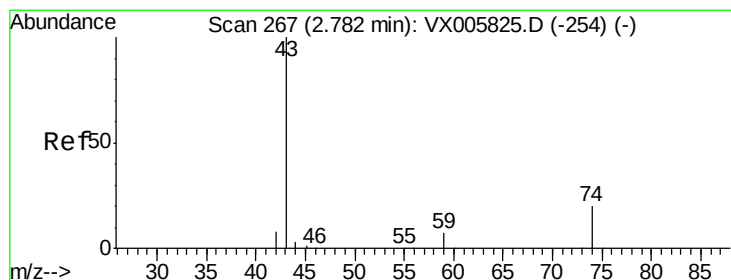
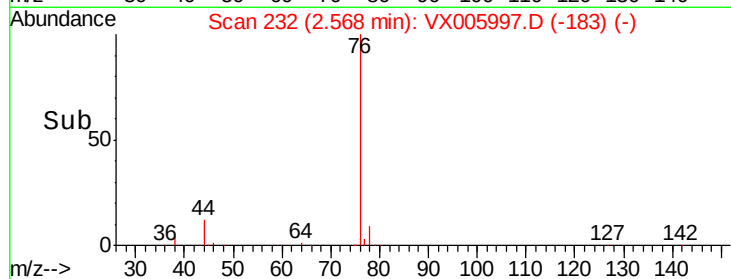
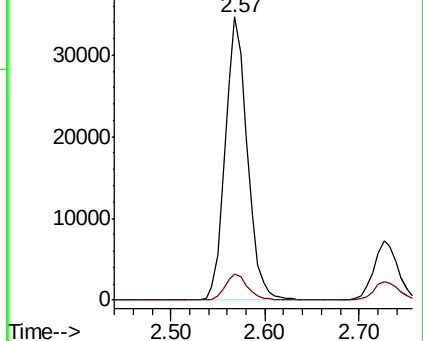
76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.125 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005997.D

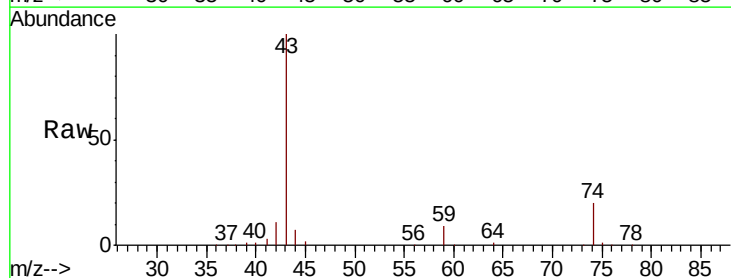
Acq: 15 Nov 2018 02:20

Tgt Ion: 43 Resp: 44551

Ion Ratio Lower Upper

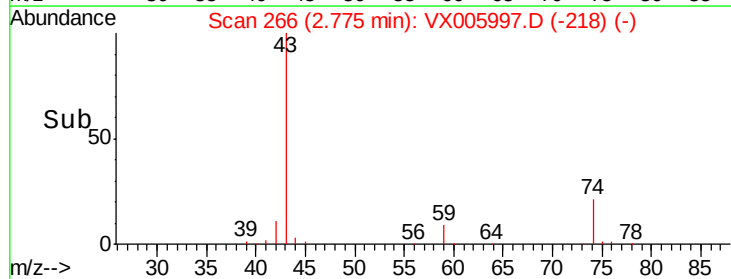
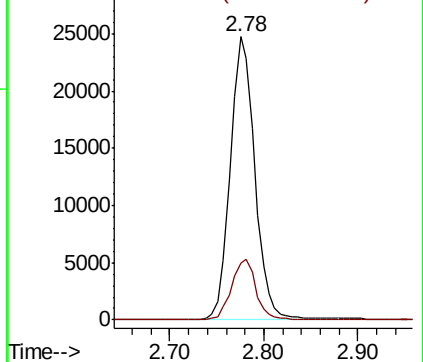
43 100

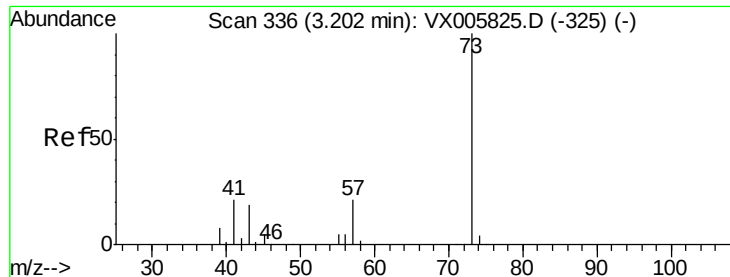
74 21.4 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



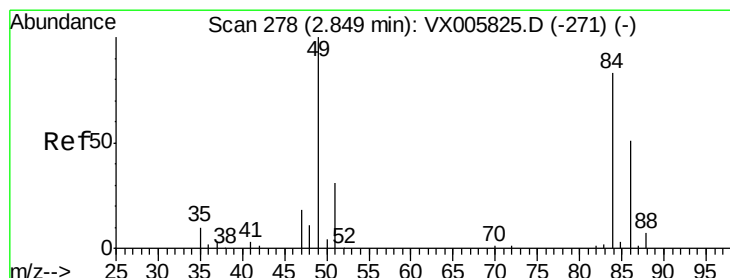
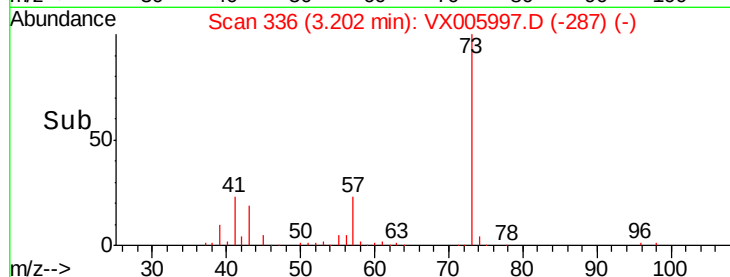
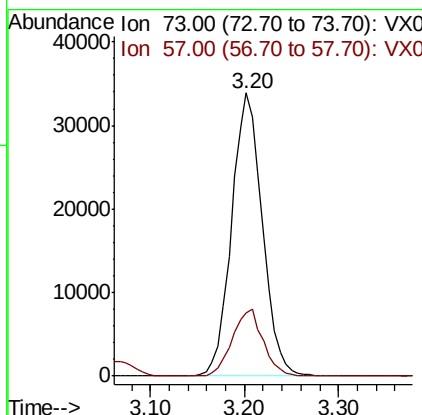
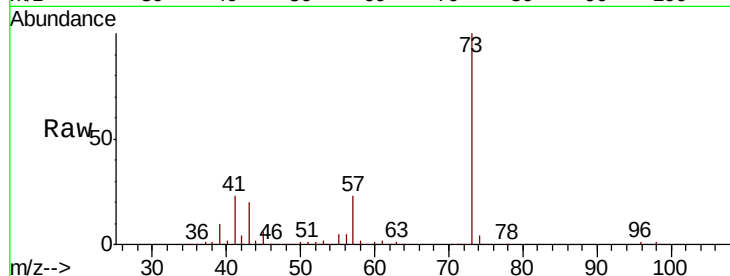


#19

Methyl tert-butyl Ether
 Concen: 20.839 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

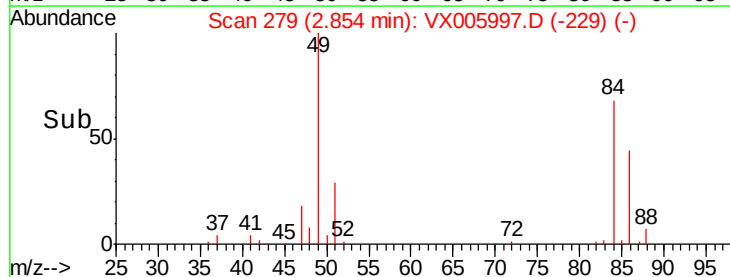
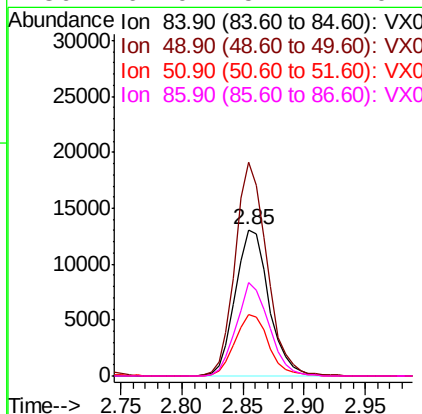
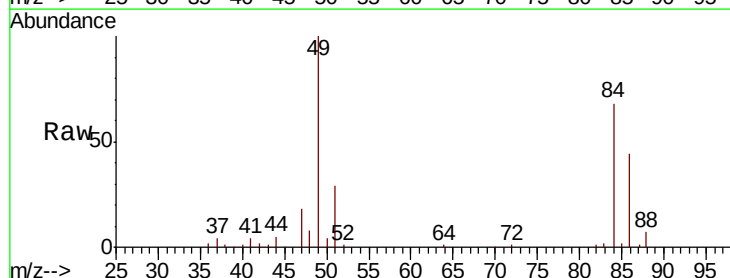
Tot Ion: 73 Resp: 76811
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.8 28.2

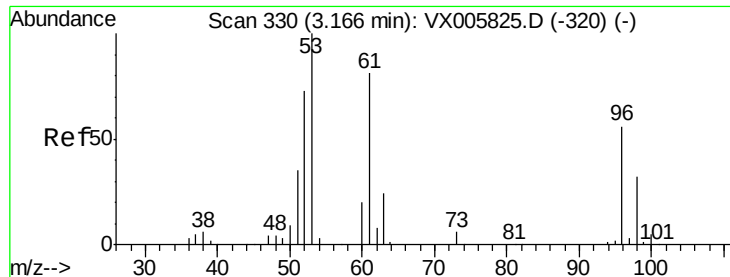


#20

Methylene Chloride
 Concen: 20.109 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 84 Resp: 24982
 Ion Ratio Lower Upper
 84 100
 49 146.2 109.5 164.3
 51 42.4 33.3 49.9
 86 64.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 20.201 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

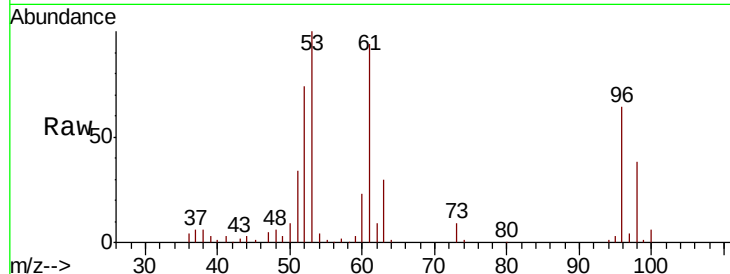
Tot Ion: 96 Resp: 23011

Ion Ratio Lower Upper

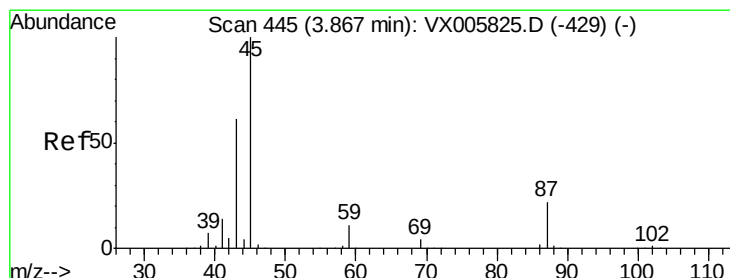
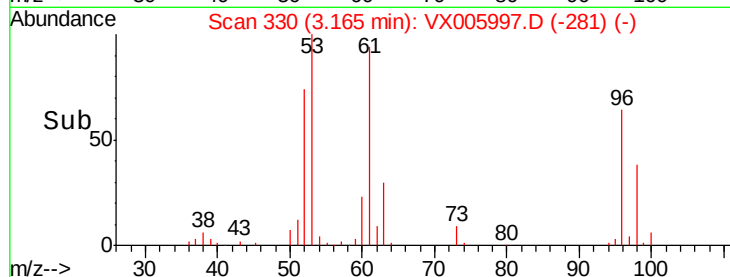
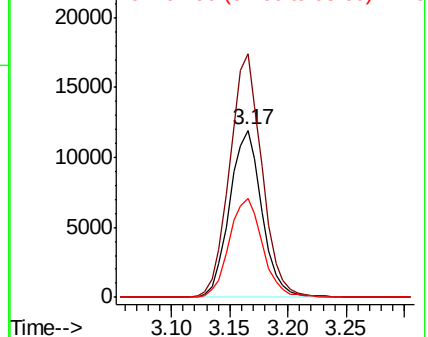
96 100

61 145.7 115.6 173.4

98 59.3 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: 20.664 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion: 45 Resp: 87310

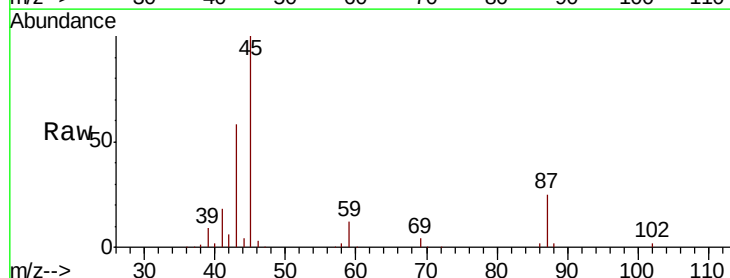
Ion Ratio Lower Upper

45 100

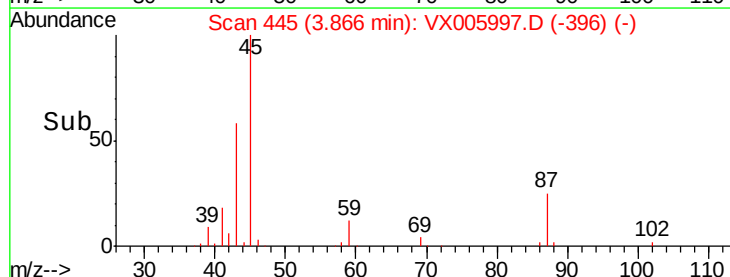
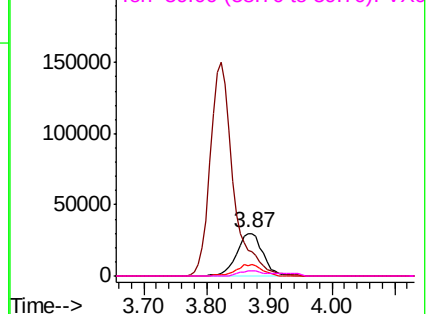
43 58.1 47.4 71.2

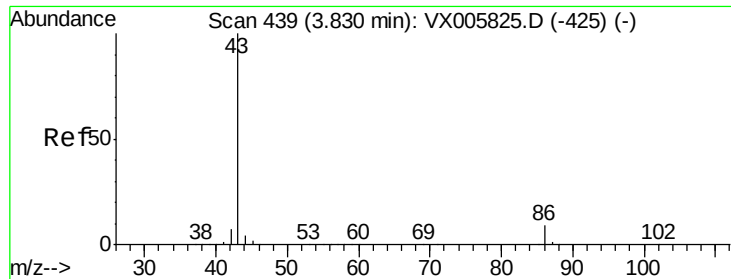
87 24.8 15.9 23.9#

59 11.7 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: 105.324 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

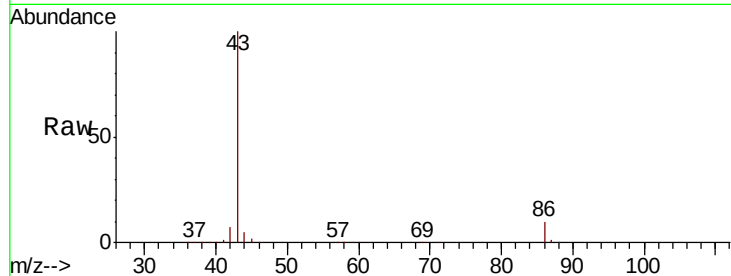
VX1114MBSD02

Tot Ion: 43 Resp: 381569

Ion Ratio Lower Upper

43 100

86 9.8 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-425) (-)

Ion 86.00 (85.70 to 86.70): VX005825.D (-425) (-)

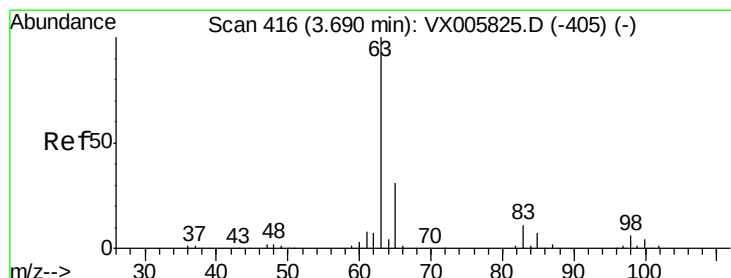
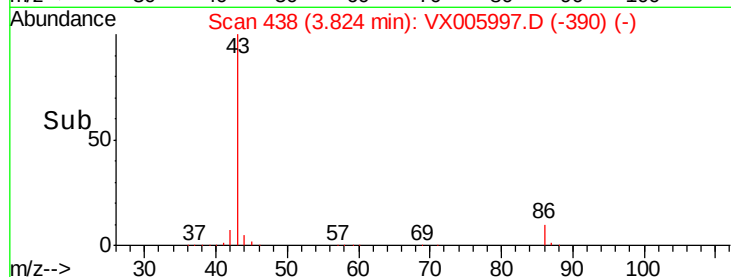
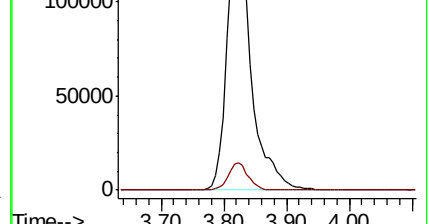
3.82

150000

100000

50000

0



#24

1,1-Dichloroethane

Concen: 20.265 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

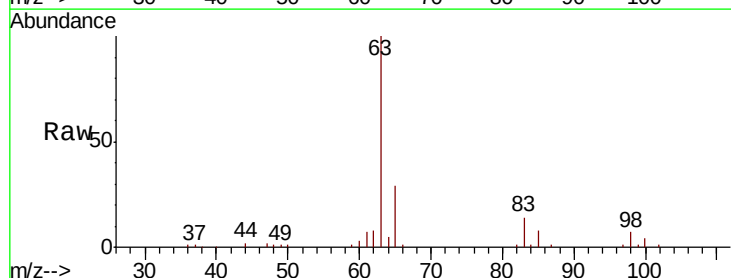
Tgt Ion: 63 Resp: 45683

Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

100 4.0 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX005825.D (-405) (-)

Ion 97.90 (97.60 to 98.60): VX005825.D (-405) (-)

Ion 99.90 (99.60 to 100.60): VX005825.D (-405) (-)

3.70

25000

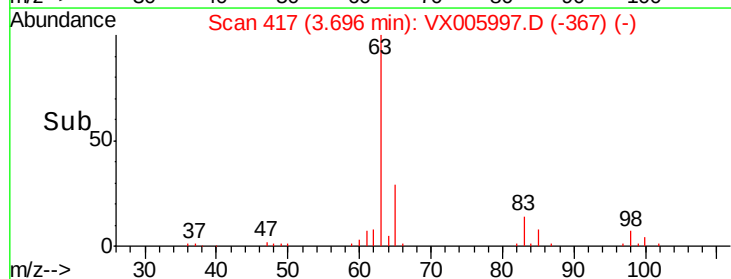
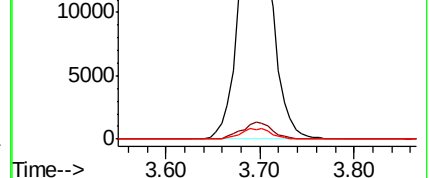
20000

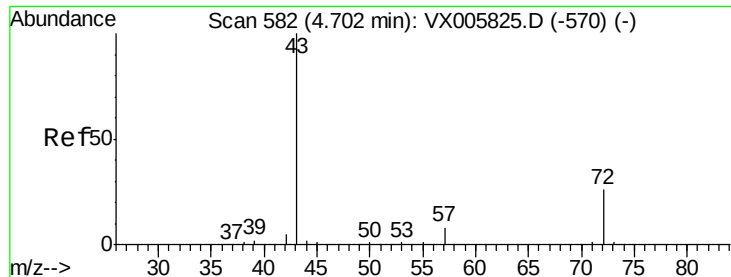
15000

10000

5000

0





#25

2-Butanone

Concen: 102.405 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

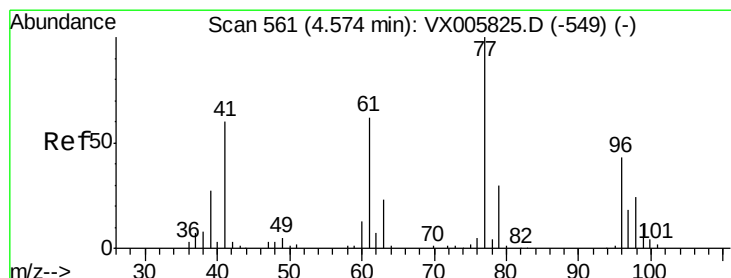
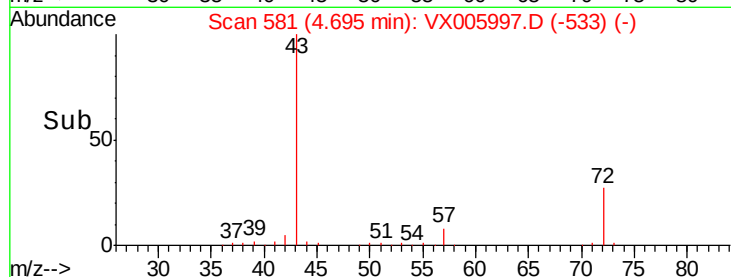
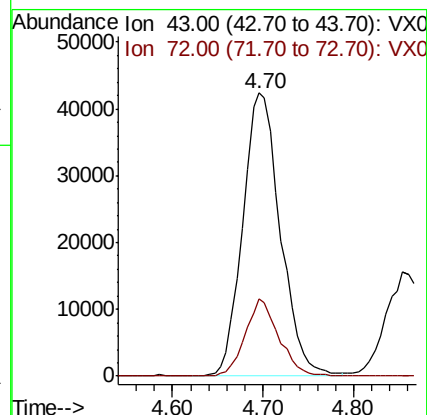
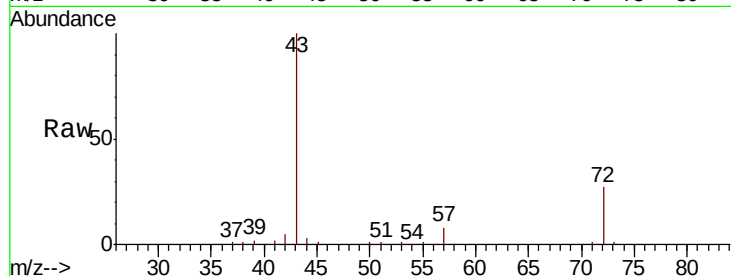
VX1114MBSD02

Tot Ion: 43 Resp: 121762

Ion Ratio Lower Upper

43 100

72 27.4 19.2 28.8



#26

2,2-Dichloropropane

Concen: 17.782 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005997.D

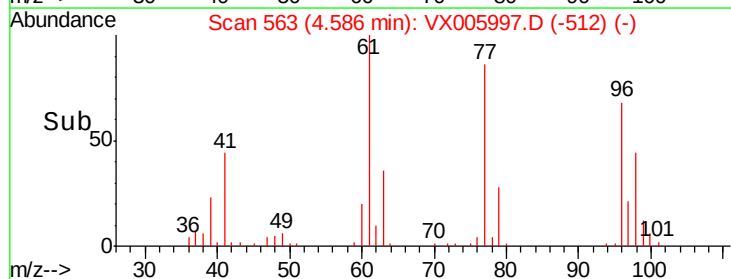
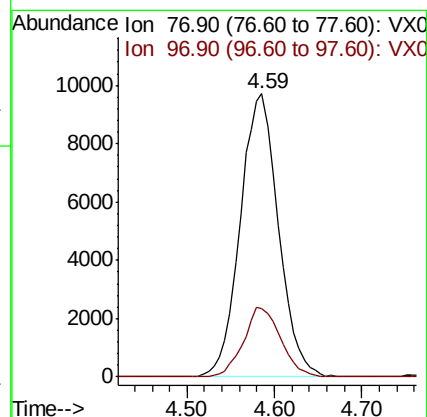
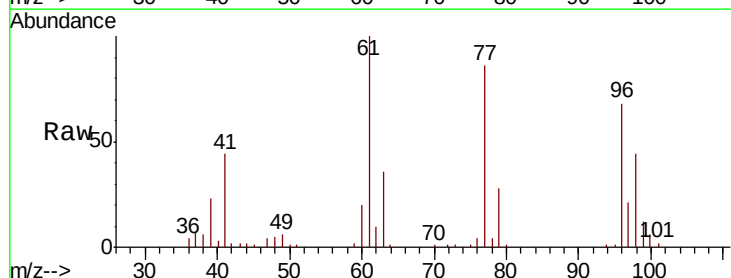
Acq: 15 Nov 2018 02:20

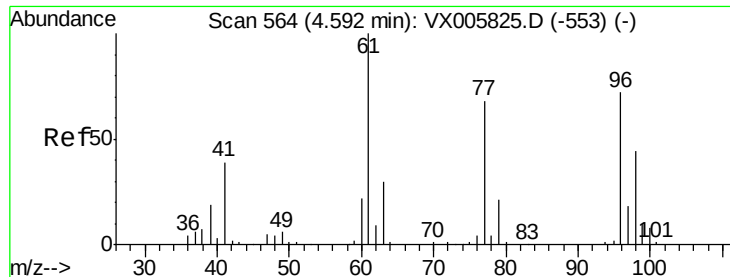
Tgt Ion: 77 Resp: 29405

Ion Ratio Lower Upper

77 100

97 23.9 11.5 34.5



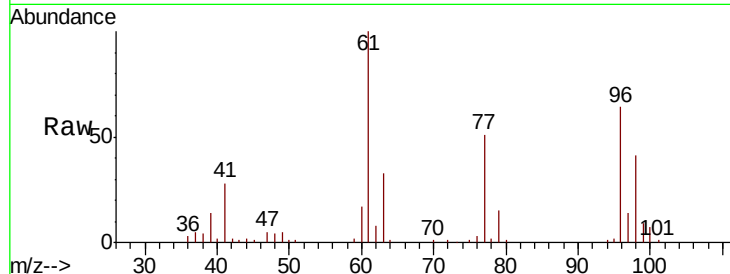


#27

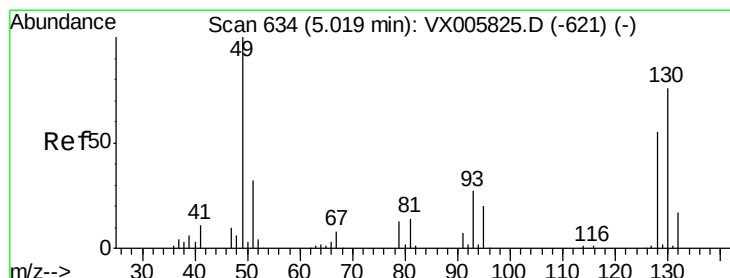
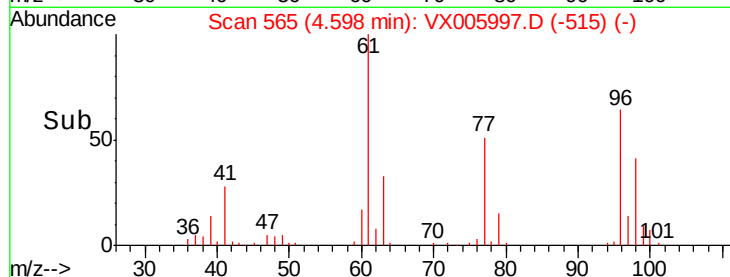
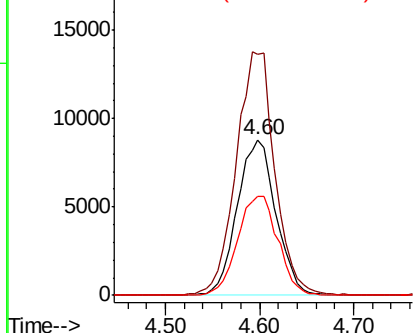
cis-1,2-Dichloroethene
Concen: 20.083 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tot Ion: 96 Resp: 25260
Ion Ratio Lower Upper
96 100
61 157.0 0.0 304.6
98 66.5 0.0 127.4



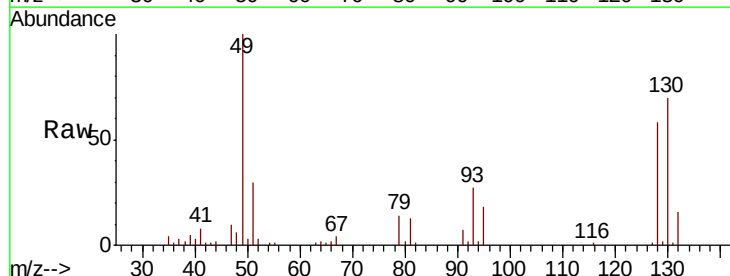
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



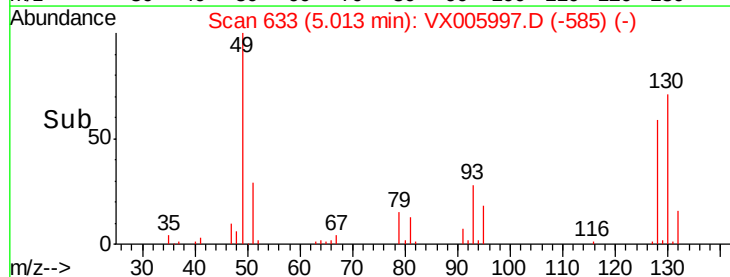
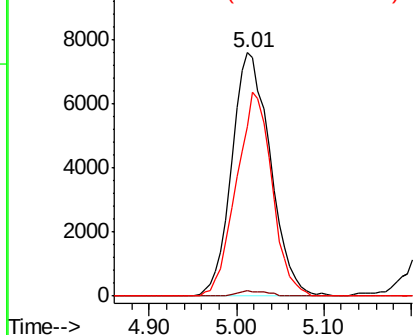
#28

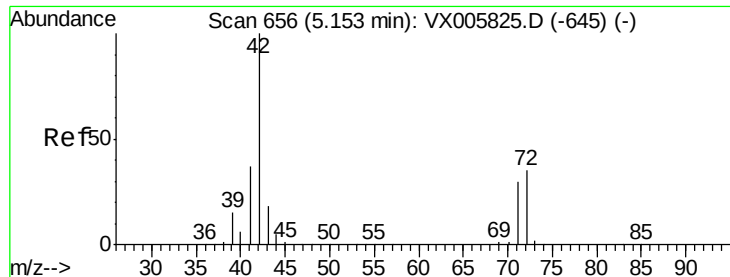
Bromochloromethane
Concen: 23.084 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 49 Resp: 23257
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.0
130 77.1 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

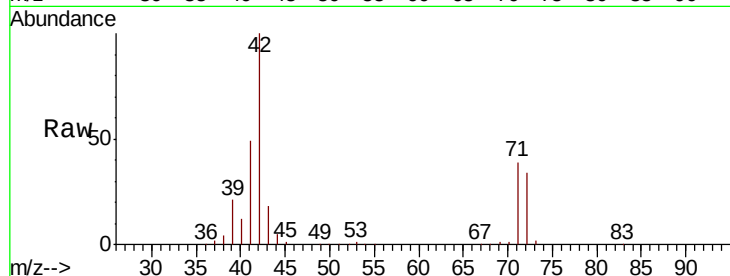




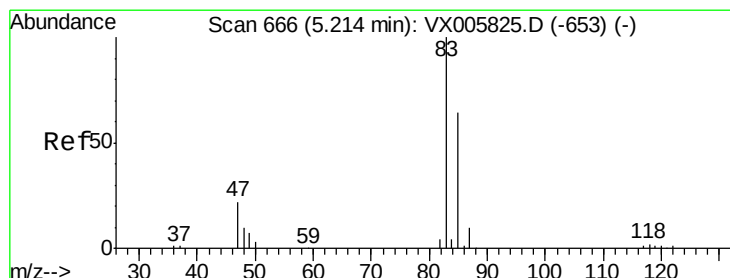
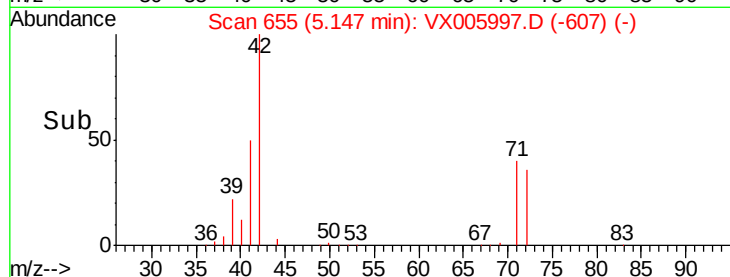
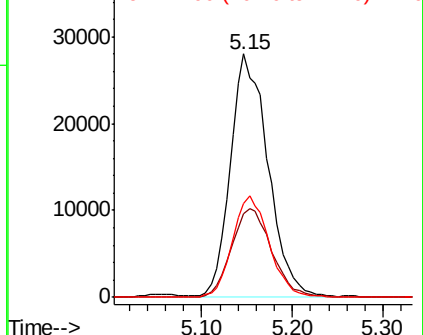
#29
Tetrahydrofuran
Concen: 104.699 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampled :
VX1114MBSD02

Tot Ion: 42 Resp: 79932
Ion Ratio Lower Upper
42 100
72 39.4 32.0 48.0
71 41.0 29.8 44.8

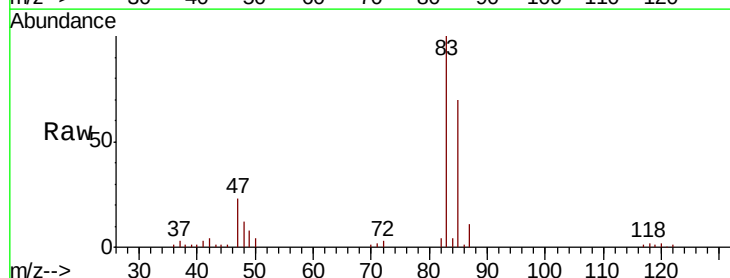


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

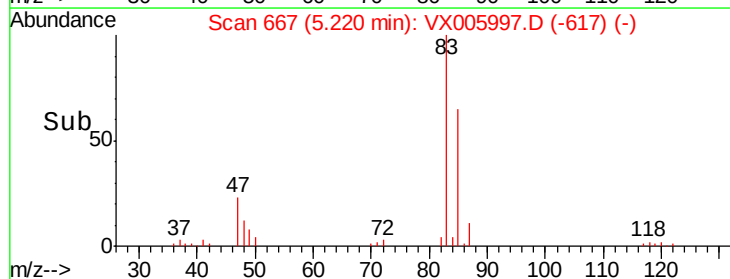
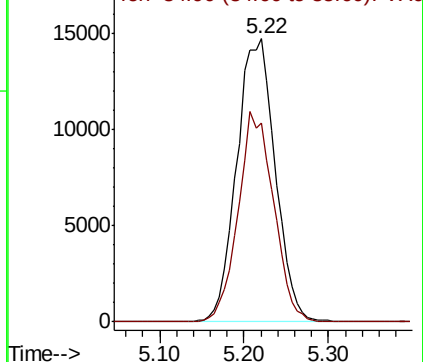


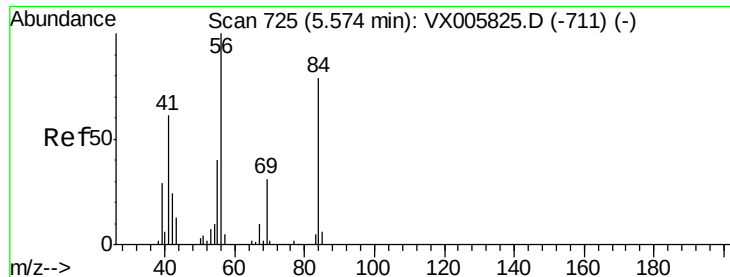
#30
Chloroform
Concen: 20.957 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 83 Resp: 45578
Ion Ratio Lower Upper
83 100
85 70.1 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

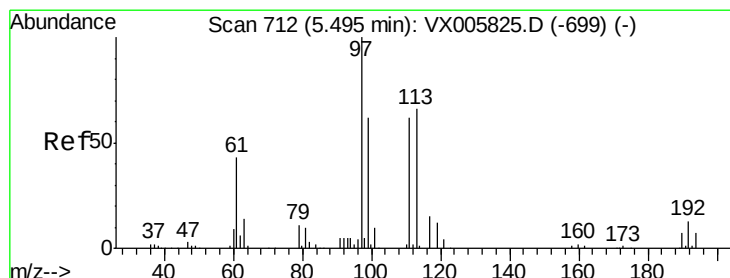
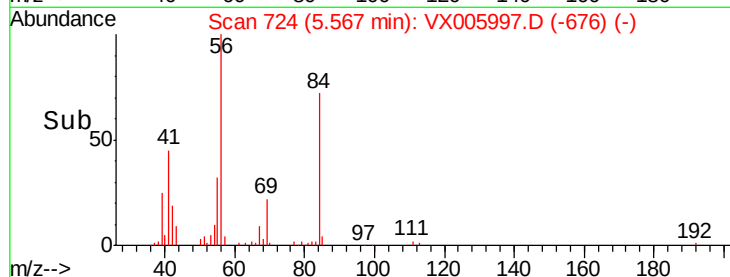
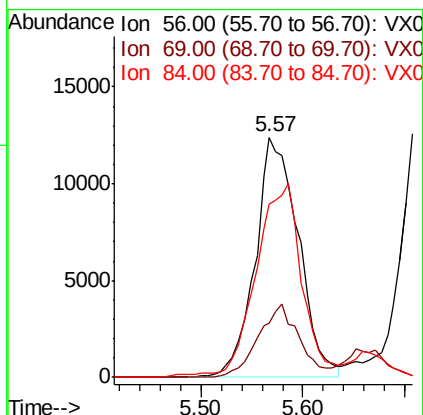
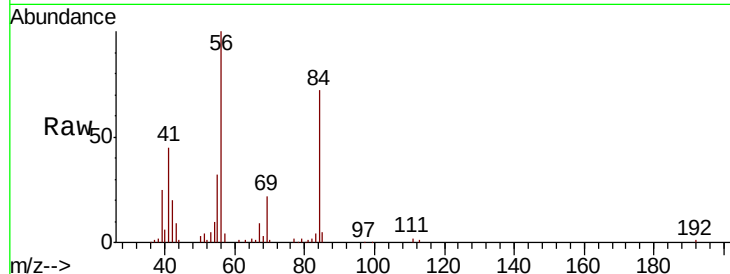




#31
Cyclohexane
Concen: 18.599 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

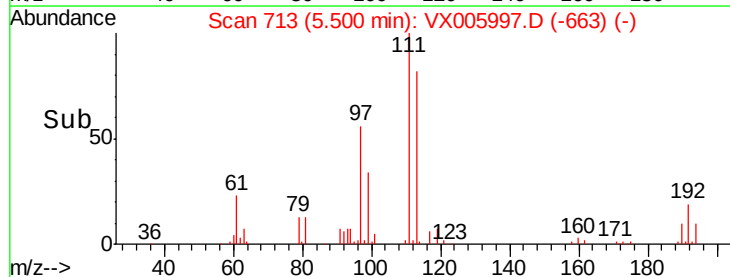
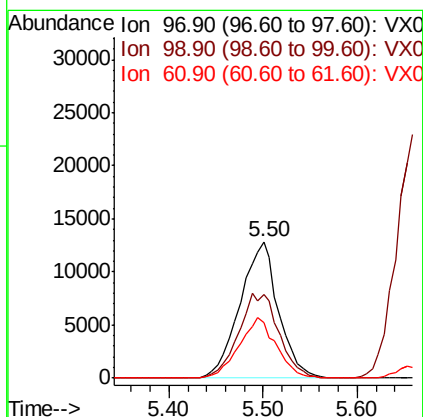
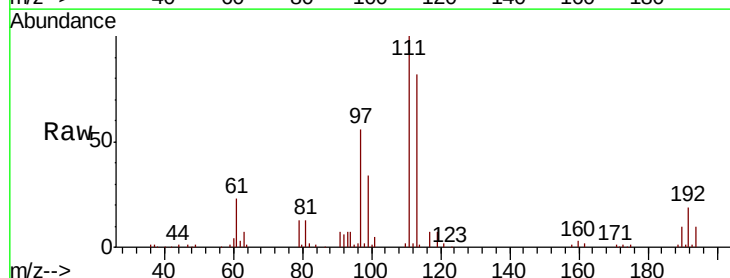
Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

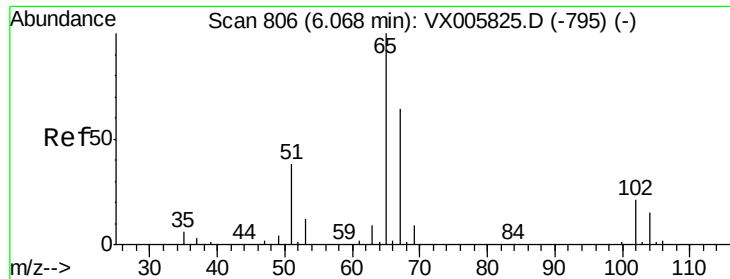
Tot Ion: 56 Resp: 36394
Ion Ratio Lower Upper
56 100
69 22.4 22.6 34.0#
84 70.8 62.7 94.1



#32
1,1,1-Trichloroethane
Concen: 20.120 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 97 Resp: 36499
Ion Ratio Lower Upper
97 100
99 65.4 52.3 78.5
61 43.4 35.2 52.8

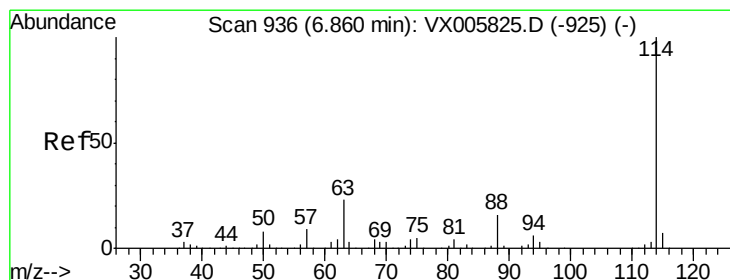
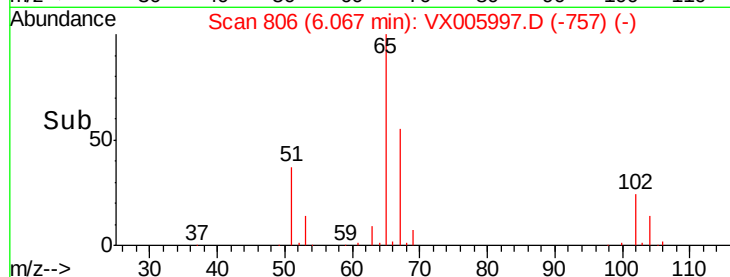
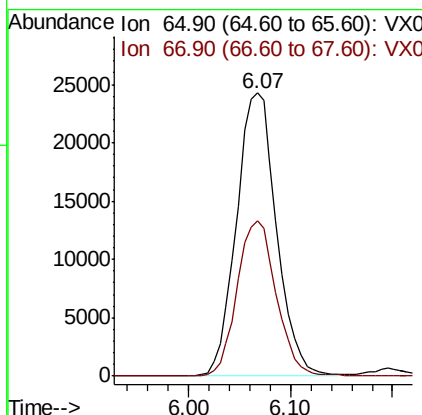
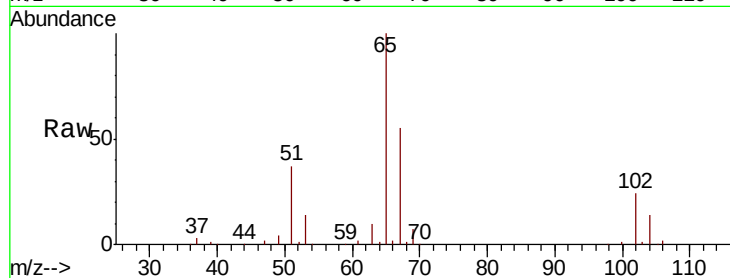




#33
 1,2-Dichloroethane-d4
 Concen: 47.058 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

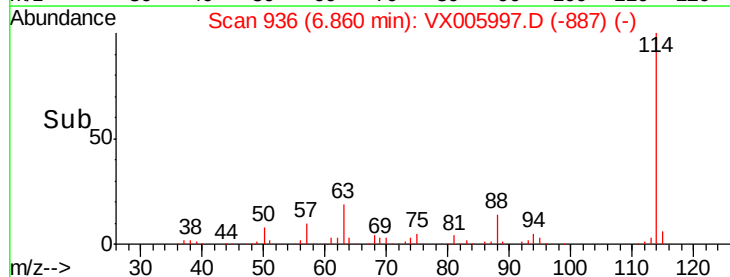
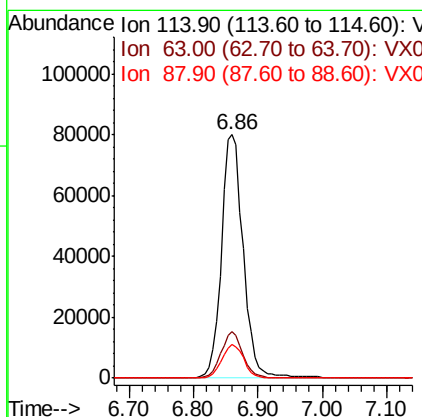
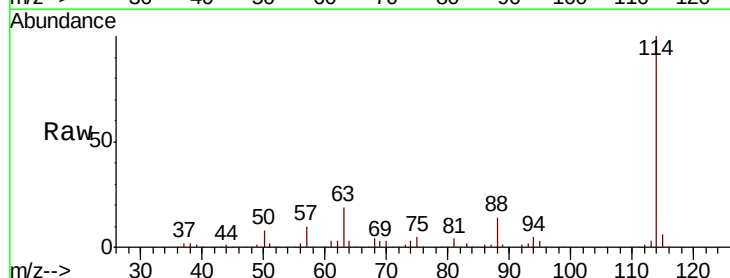
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

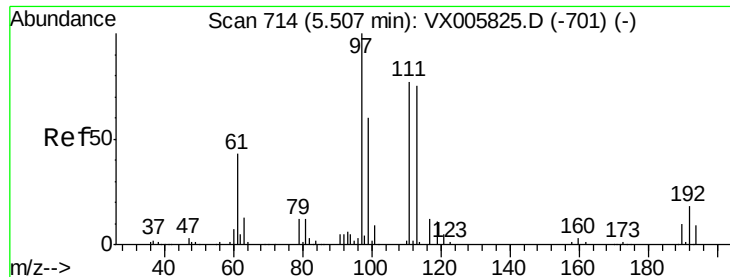
Tot Ion: 65 Resp: 66100
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 114 Resp: 191866
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.8
 88 13.8 0.0 31.2

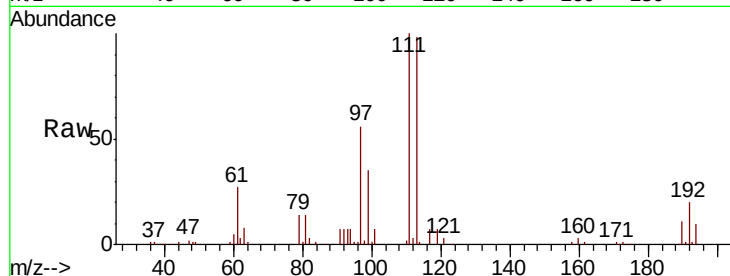




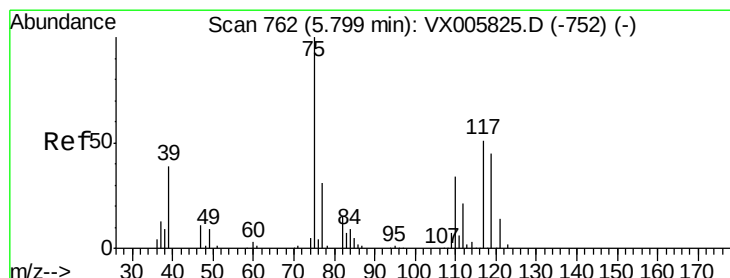
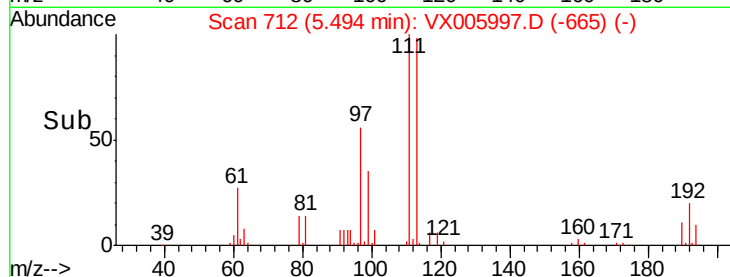
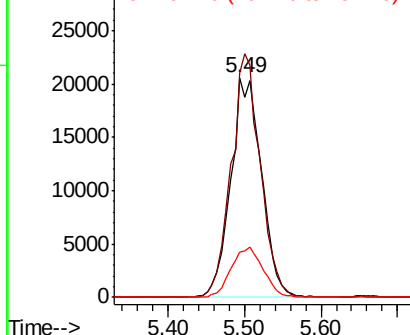
#35
Dibromofluoromethane
Concen: 44.070 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tot Ion:113 Resp: 57510
Ion Ratio Lower Upper
113 100
111 104.3 82.3 123.5
192 23.7 17.9 26.9

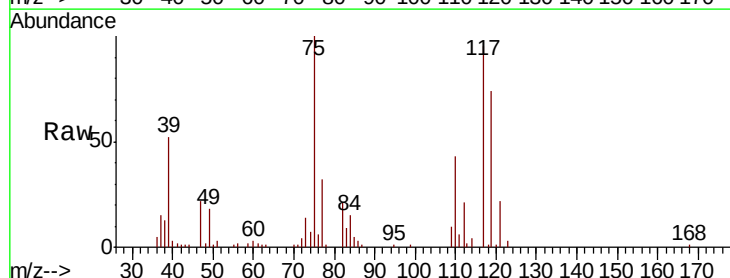


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

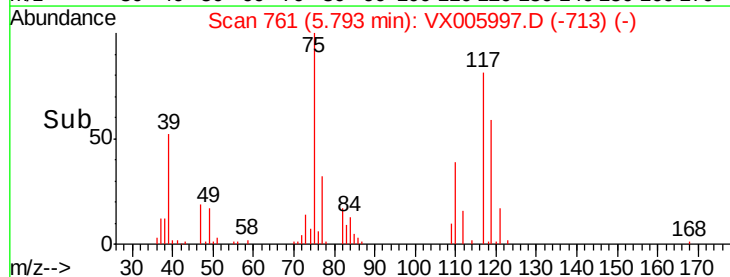
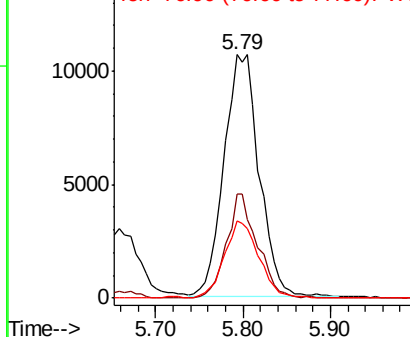


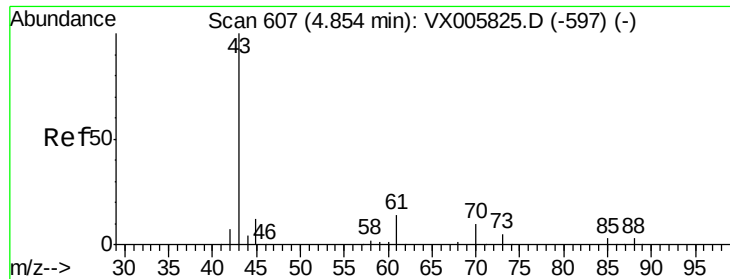
#36
1,1-Dichloropropene
Concen: 16.178 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 75 Resp: 29923
Ion Ratio Lower Upper
75 100
110 37.2 17.4 52.2
77 30.9 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

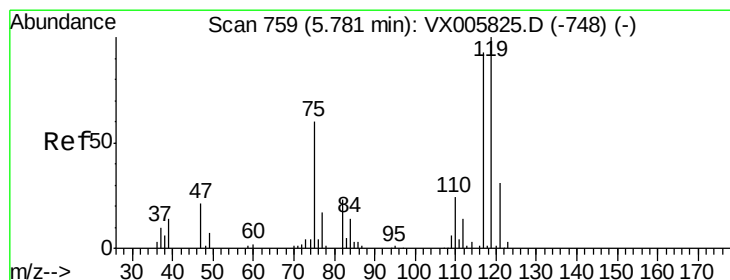
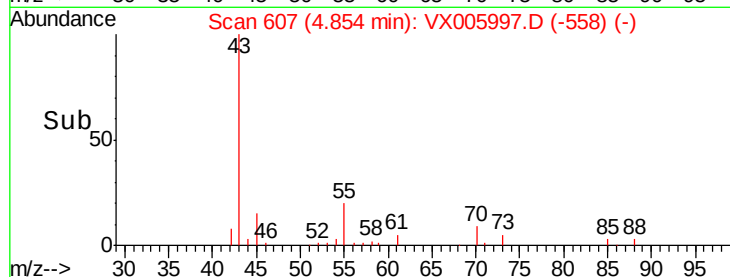
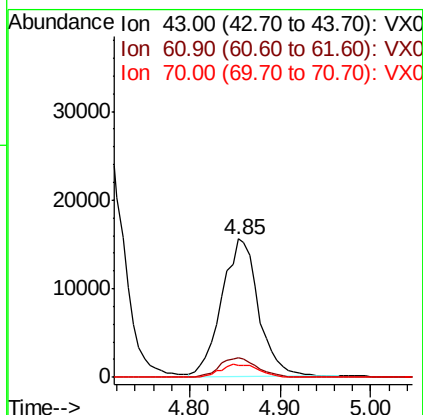
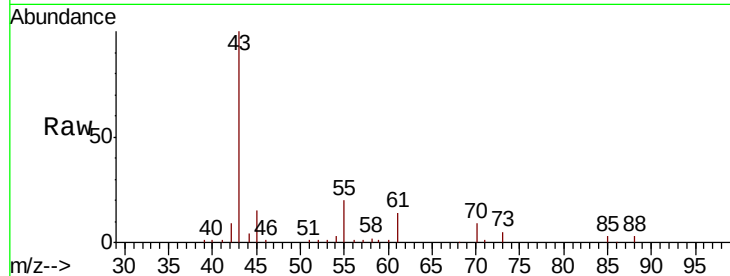




#37
Ethyl Acetate
Concen: 18.094 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

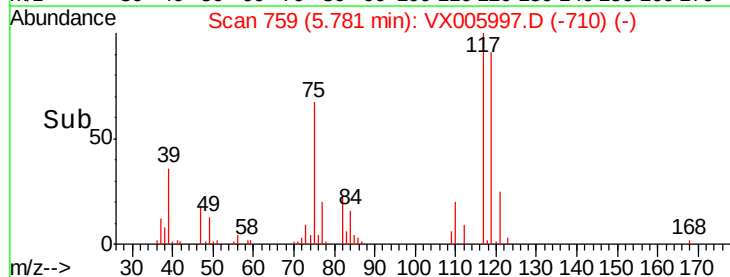
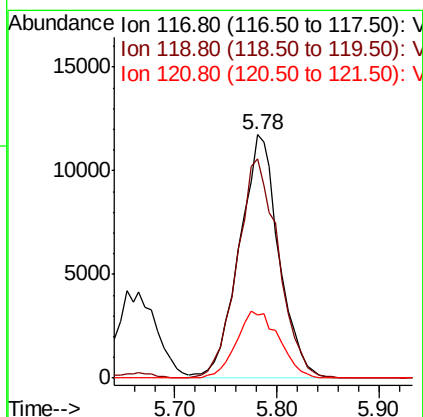
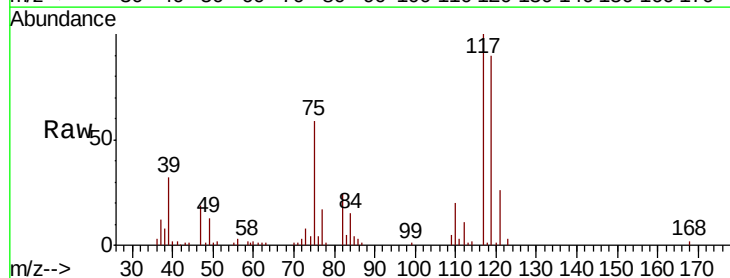
Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

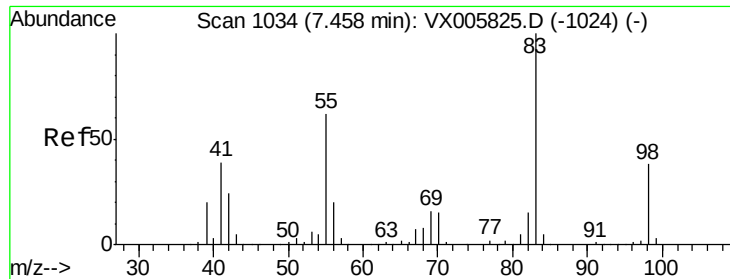
Tot Ion: 43 Resp: 44010
Ion Ratio Lower Upper
43 100
61 14.3 10.8 16.2
70 10.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 17.096 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 117 Resp: 31656
Ion Ratio Lower Upper
117 100
119 90.1 78.1 117.1
121 25.7 24.6 36.8

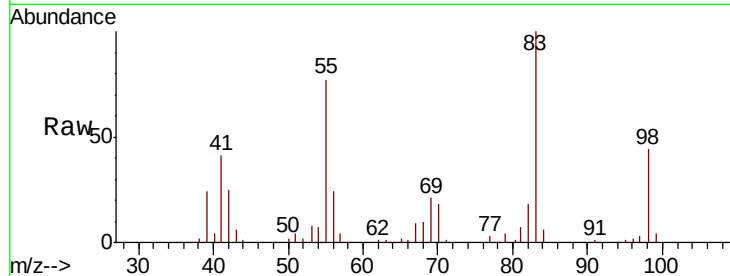




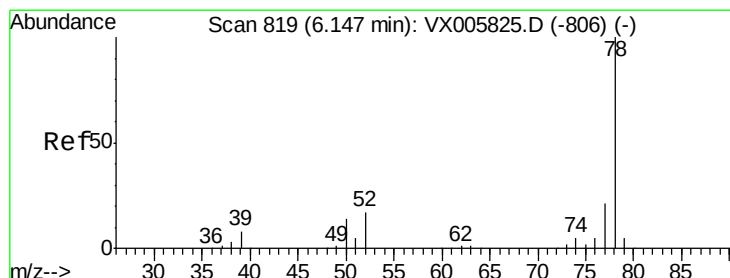
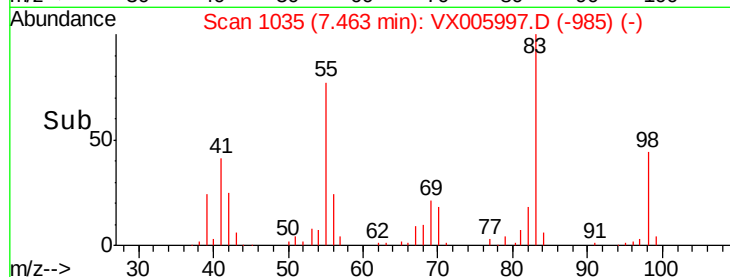
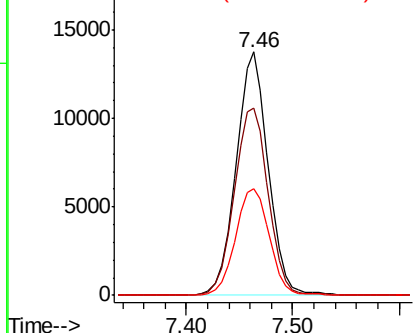
#39
Methylvlcyclohexane
Concen: 15.490 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tot Ion: 83 Resp: 29038
Ion Ratio Lower Upper
83 100
55 76.9 63.7 95.5
98 43.7 36.2 54.2

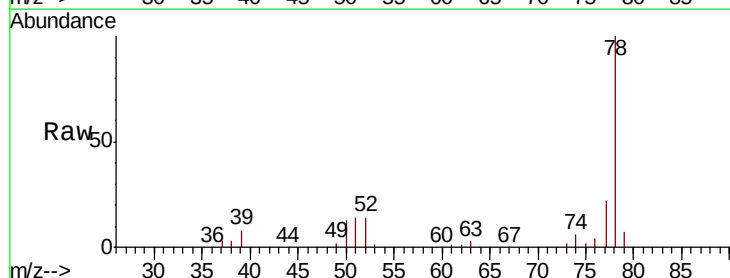


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

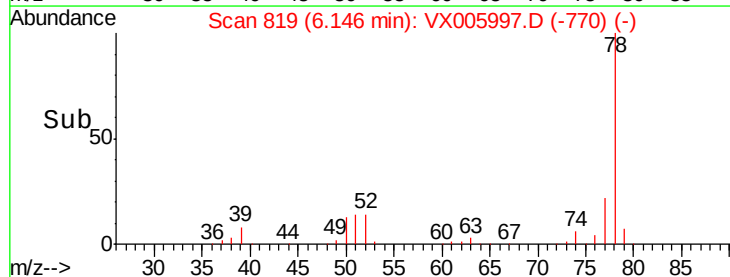
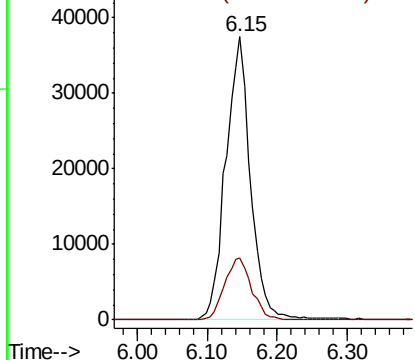


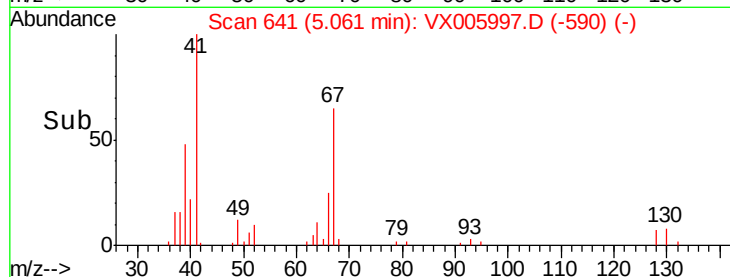
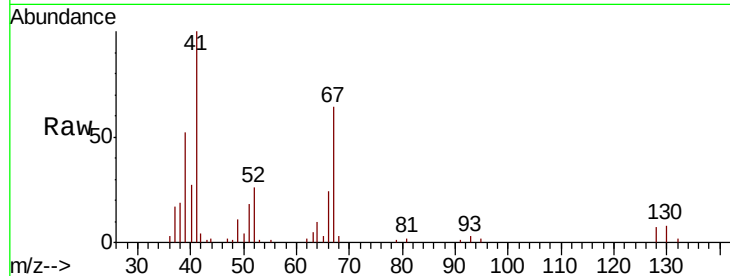
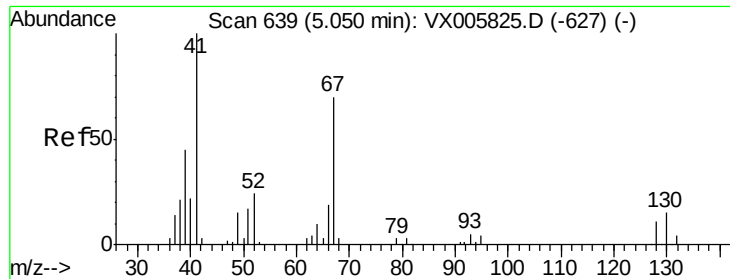
#40
Benzene
Concen: 17.098 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 78 Resp: 92194
Ion Ratio Lower Upper
78 100
77 22.0 18.4 27.6



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

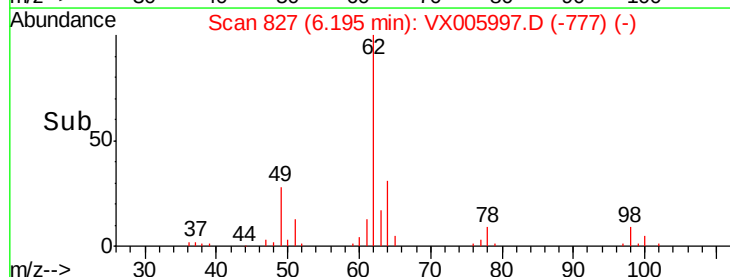
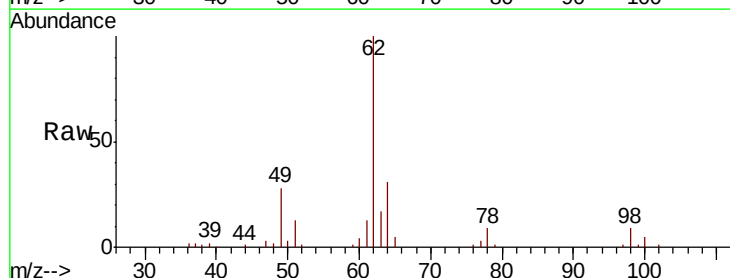
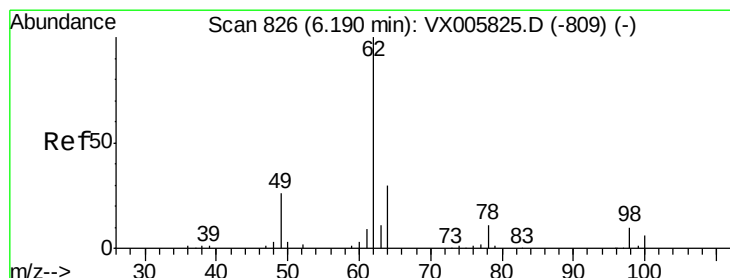
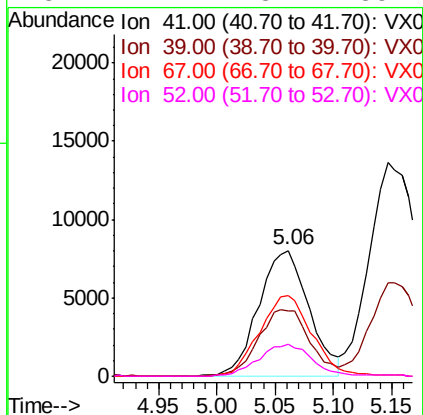




#41
Methacrylonitrile
Concen: 18.349 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

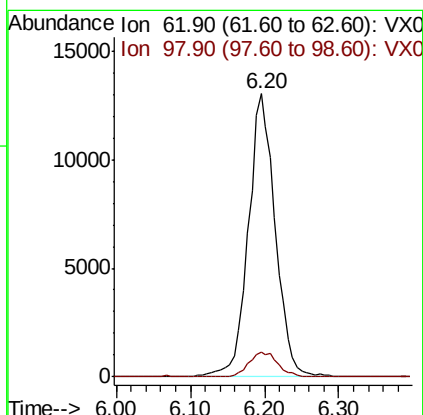
Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

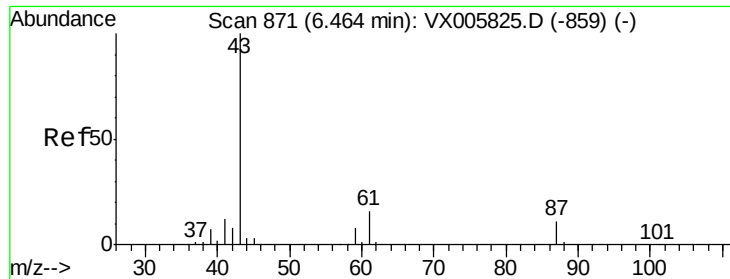
Tot Ion:	41	Resp:	24116
Ion	Ratio	Lower	Upper
41	100		
39	54.2	42.2	63.2
67	66.7	53.4	80.0
52	27.1	23.4	35.2



#42
1,2-Dichloroethane
Concen: 17.149 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion:	62	Resp:	33121
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





#43

Isopropyl Acetate

Concen: 18.076 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

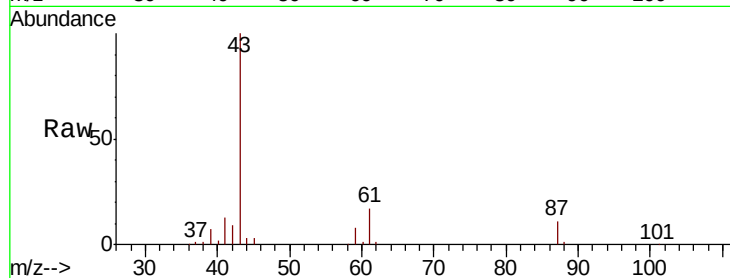
Tot Ion: 43 Resp: 63707

Ion Ratio Lower Upper

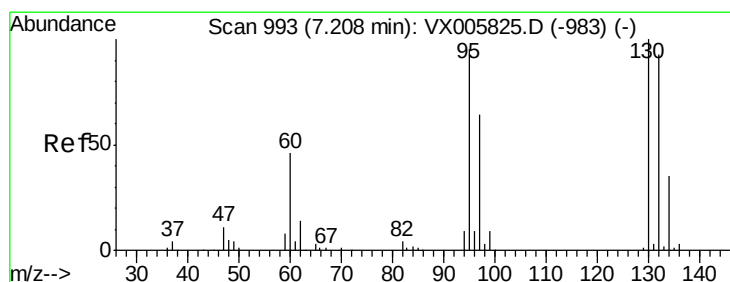
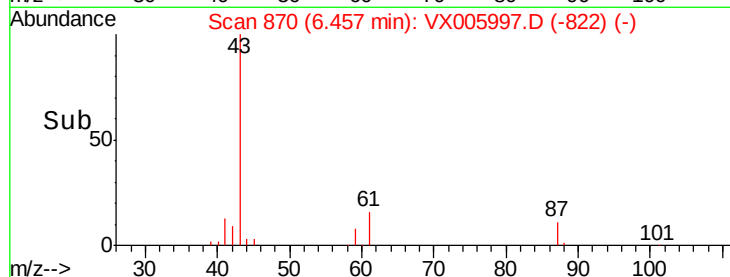
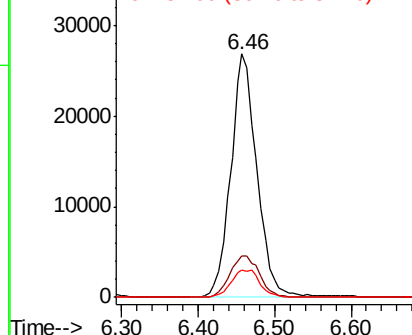
43 100

61 19.1 14.6 22.0

87 12.3 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: 16.330 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005997.D

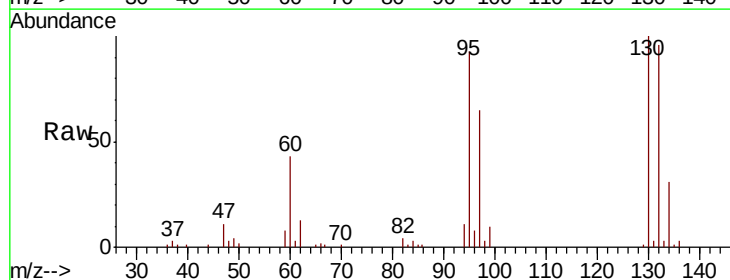
Acq: 15 Nov 2018 02:20

Tgt Ion:130 Resp: 22362

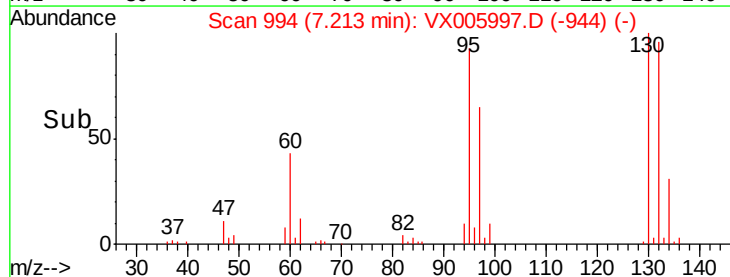
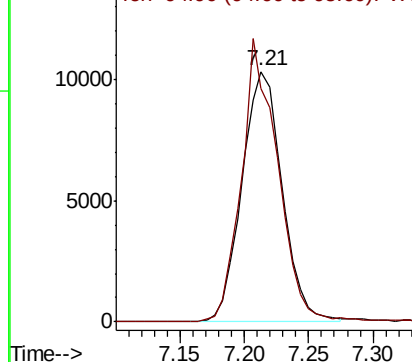
Ion Ratio Lower Upper

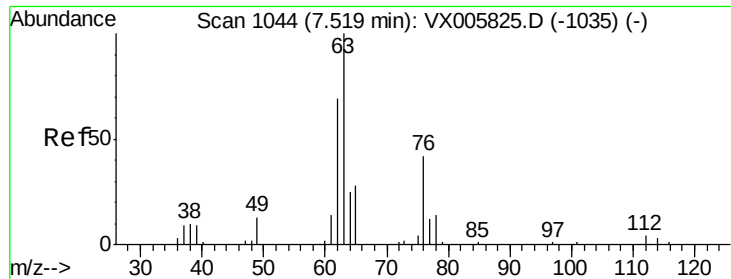
130 100

95 93.4 0.0 194.2



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

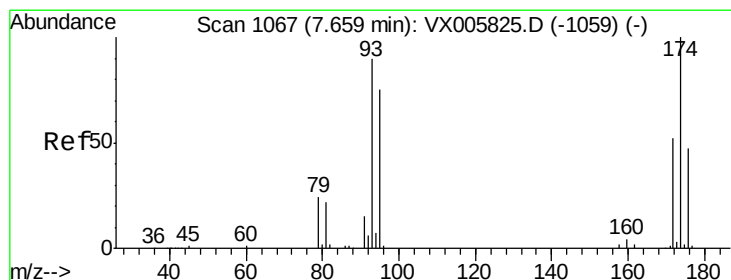
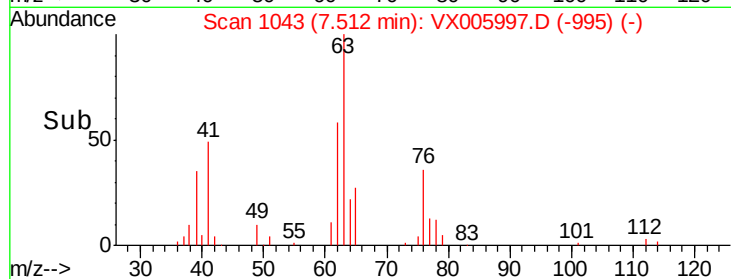
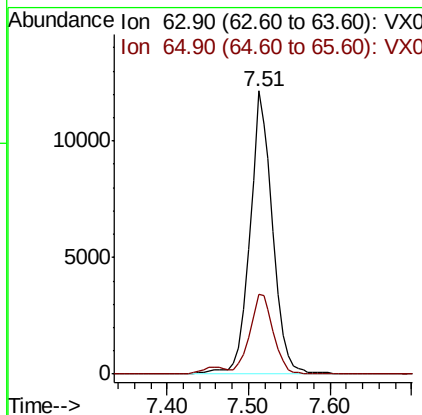
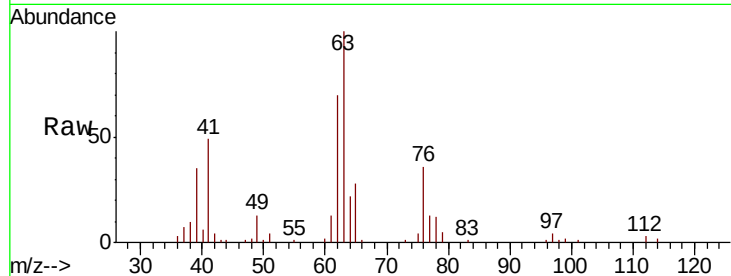




#45
 1,2-Dichloropropane
 Concen: 17.977 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

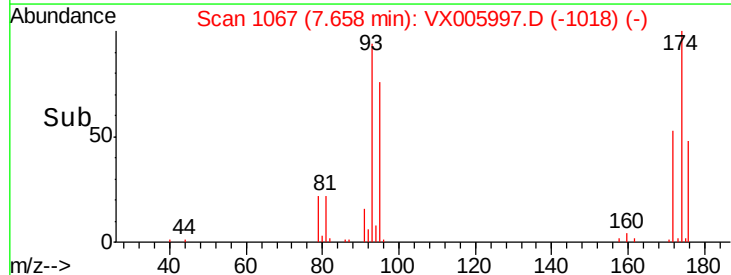
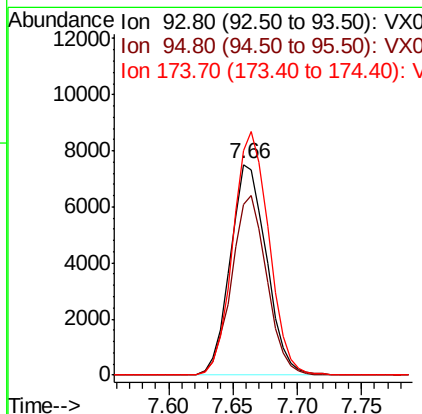
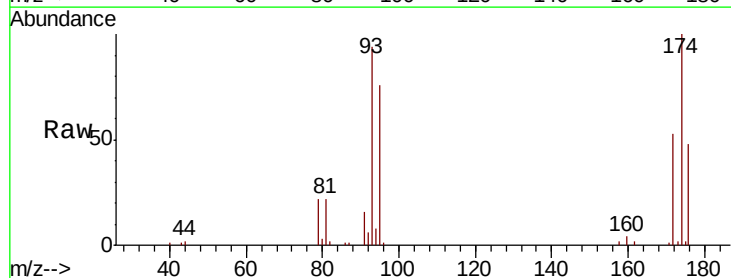
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

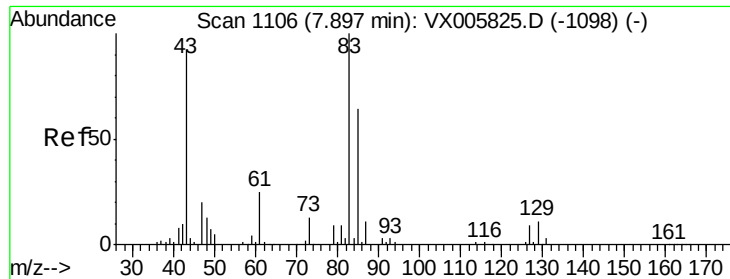
Tot Ion: 63 Resp: 23528
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.8 37.2



#46
 Dibromomethane
 Concen: 17.860 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 93 Resp: 14668
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.4 101.0
 174 114.4 91.5 137.3





#47

Bromodichloromethane

Concen: 18.269 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

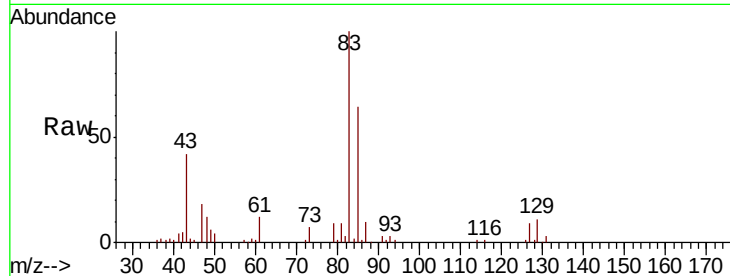
Tot Ion: 83 Resp: 28355

Ion Ratio Lower Upper

83 100

85 64.4 50.2 75.4

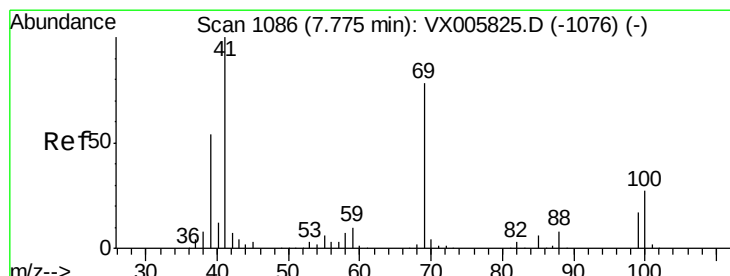
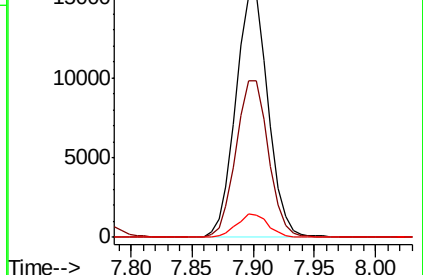
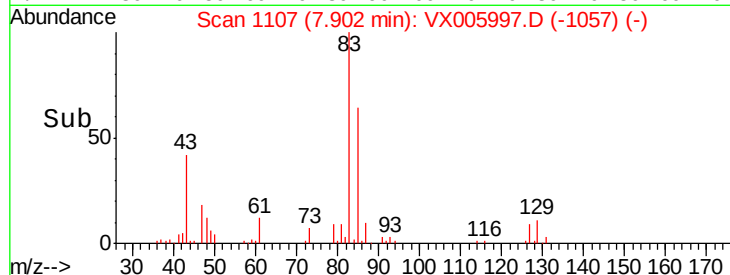
127 9.1 6.9 10.3



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: 18.208 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

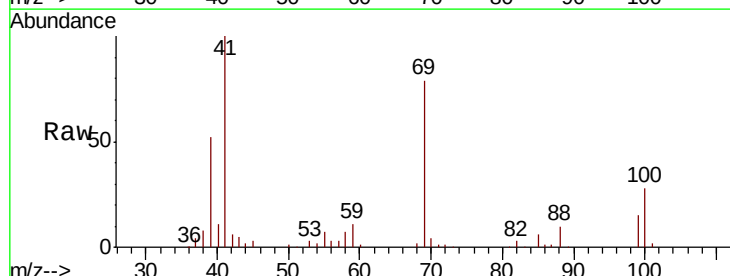
Tgt Ion: 41 Resp: 28815

Ion Ratio Lower Upper

41 100

69 79.4 63.2 94.8

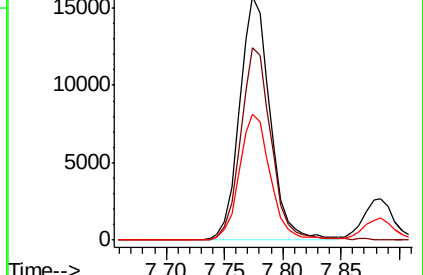
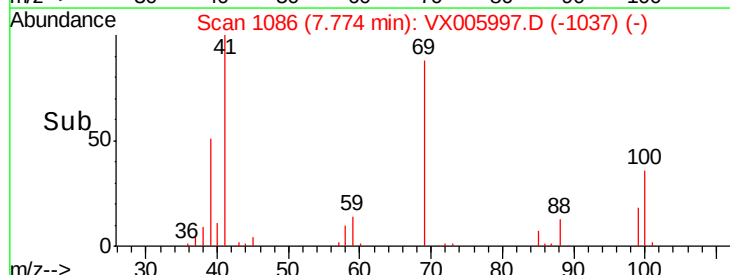
39 52.6 42.2 63.2

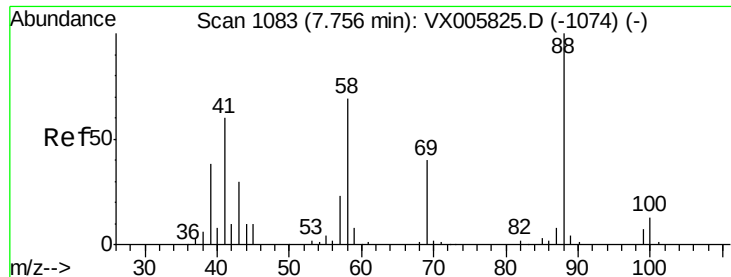


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 366.875 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

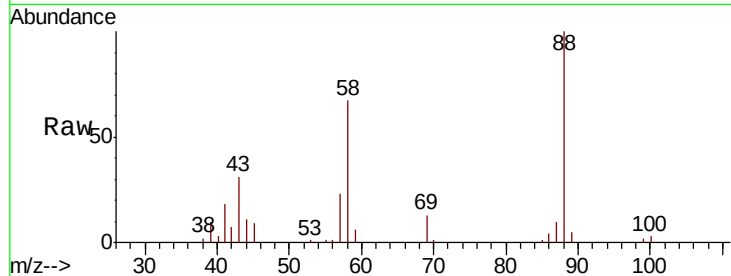
Tot Ion: 88 Resp: 12511

Ion Ratio Lower Upper

88 100

43 35.9 27.4 41.0

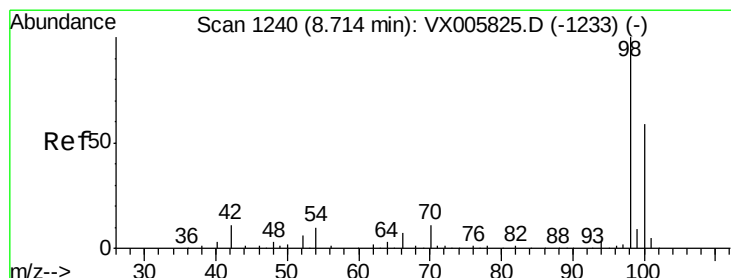
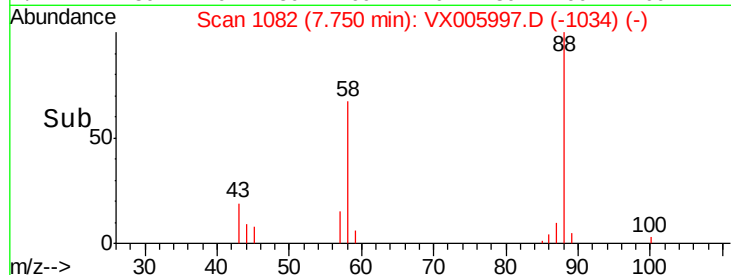
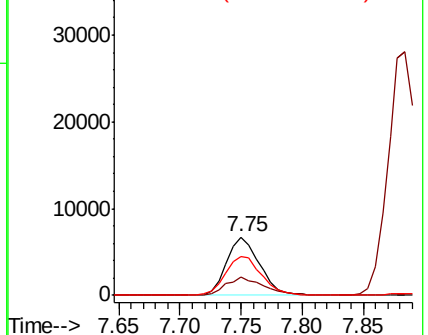
58 73.2 59.4 89.2



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: 43.655 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005997.D

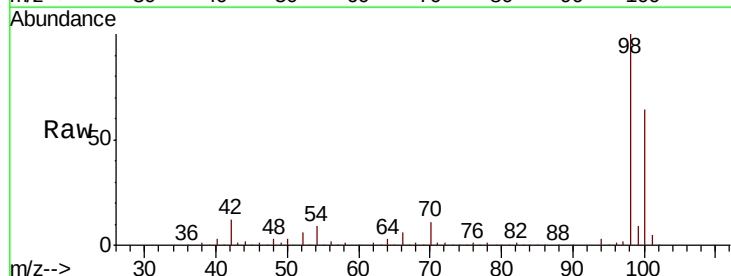
Acq: 15 Nov 2018 02:20

Tgt Ion: 98 Resp: 189399

Ion Ratio Lower Upper

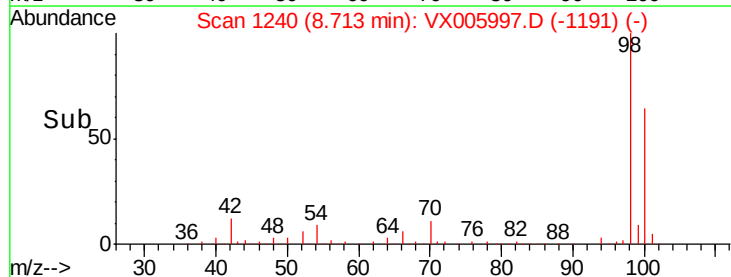
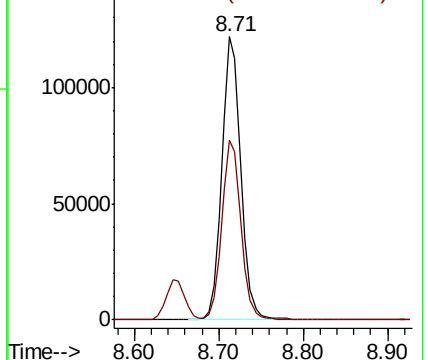
98 100

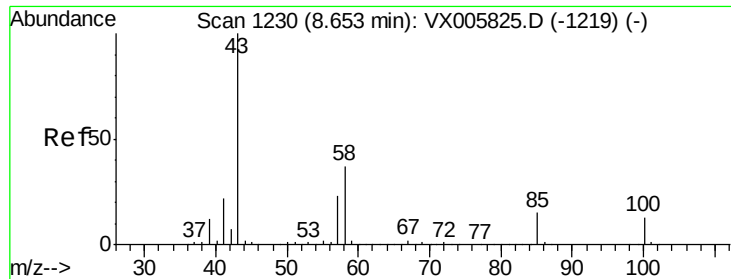
100 64.2 51.3 76.9



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: 89.001 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleID :

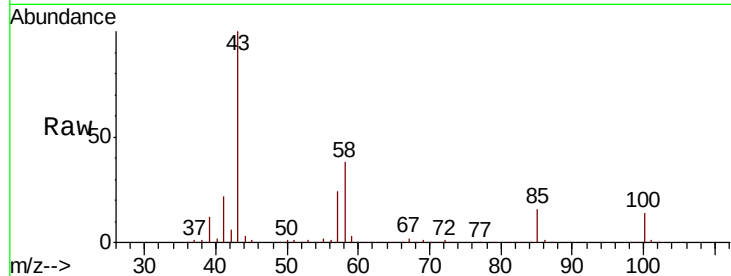
VX1114MBSD02

Tot Ion: 43 Resp: 197692

Ion Ratio Lower Upper

43 100

58 37.7 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

150000

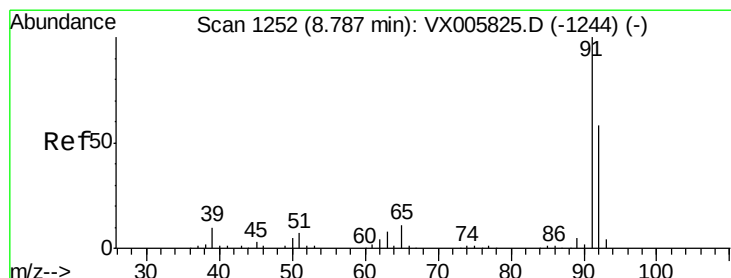
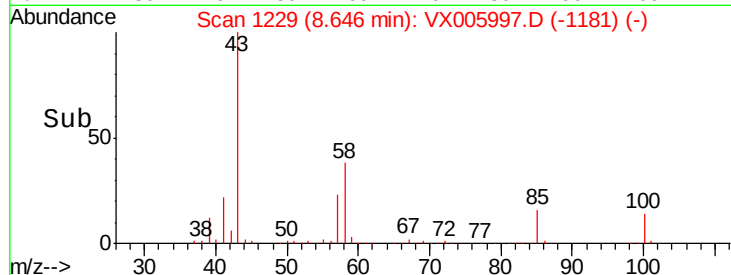
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 17.391 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005997.D

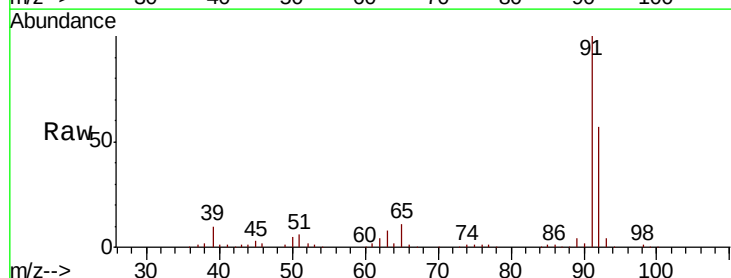
Acq: 15 Nov 2018 02:20

Tgt Ion: 92 Resp: 52410

Ion Ratio Lower Upper

92 100

91 175.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

60000

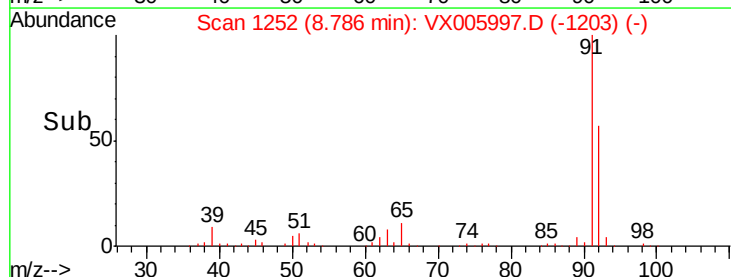
40000

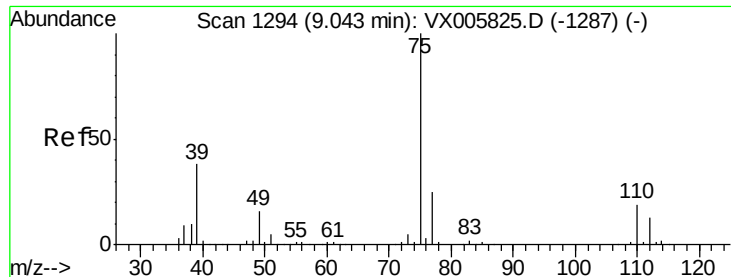
20000

0

8.70 8.80 8.90

Time-->

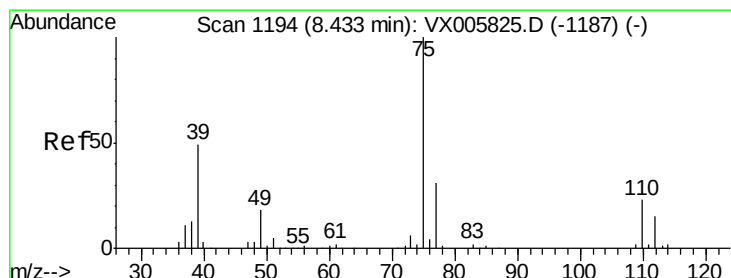
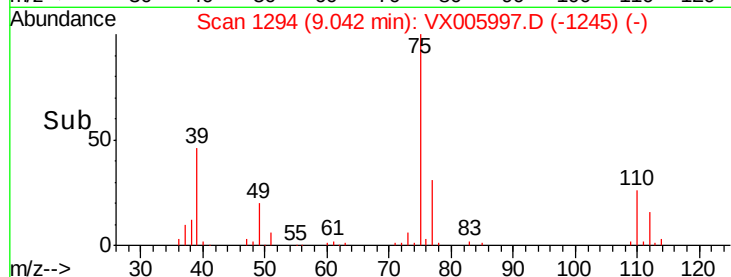
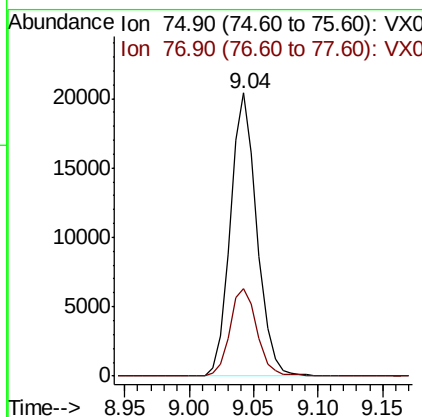
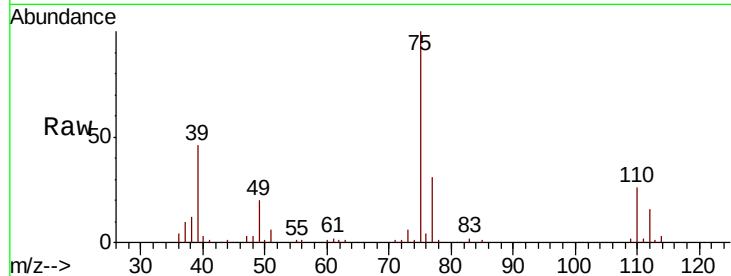




#53
t-1,3-Dichloropropene
Concen: 16.043 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

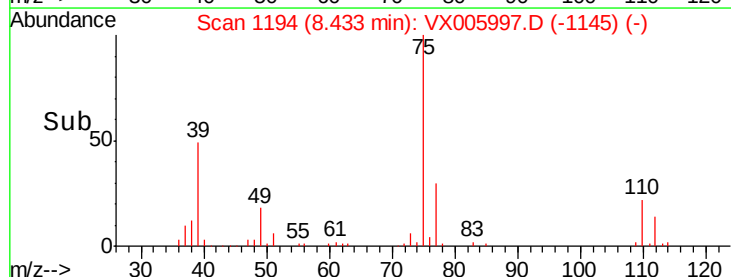
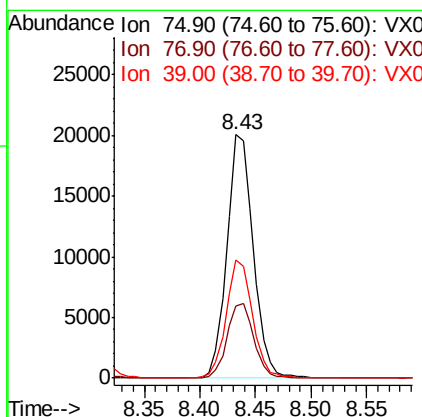
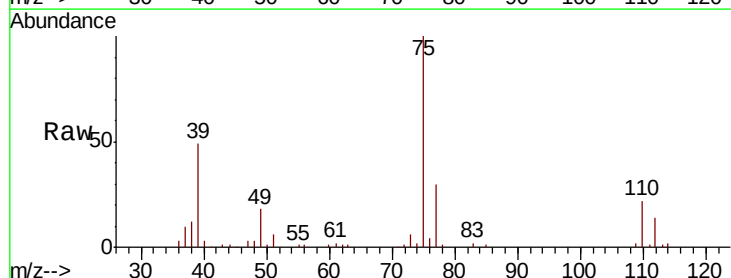
Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

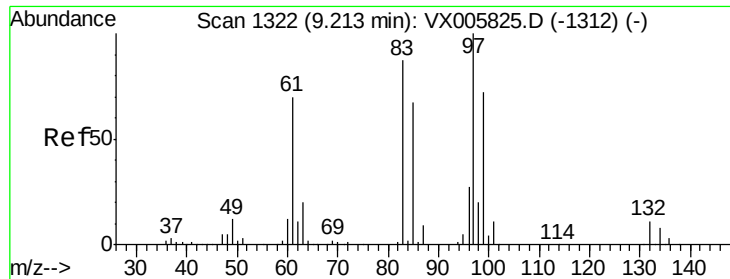
Tot Ion: 75 Resp: 29384
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 17.629 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion: 75 Resp: 32911
Ion Ratio Lower Upper
75 100
77 29.8 25.2 37.8
39 48.6 38.2 57.2





#55

1,1,2-Trichloroethane

Concen: 16.313 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS02

Tot Ion: 97 Resp: 21909

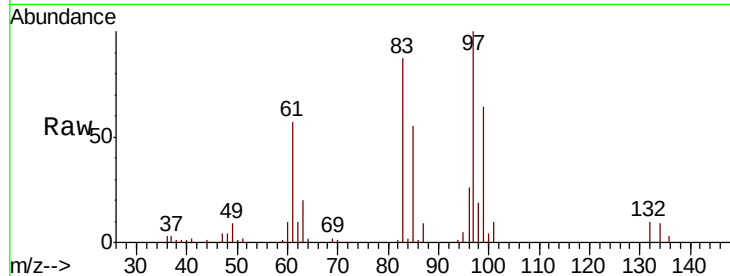
Ion Ratio Lower Upper

97 100

83 86.9 70.7 106.1

85 54.8 45.8 68.6

99 63.7 51.8 77.8

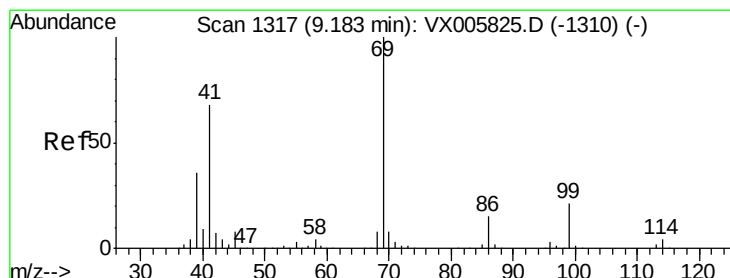
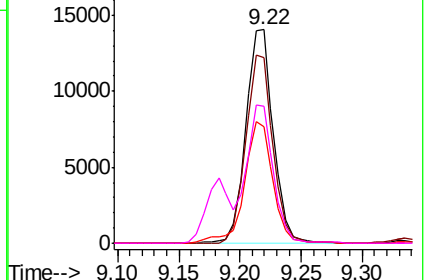
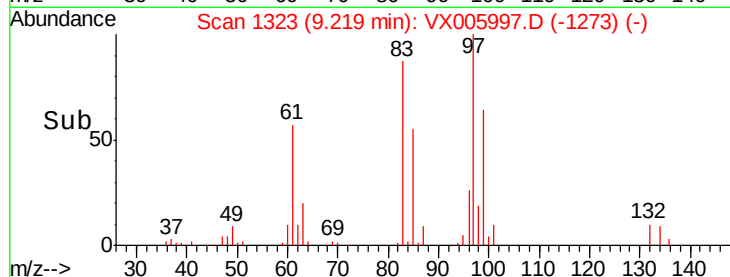


Abundance Ion 96.90 (96.60 to 97.60): VX0

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



#56

Ethyl methacrylate

Concen: 16.589 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

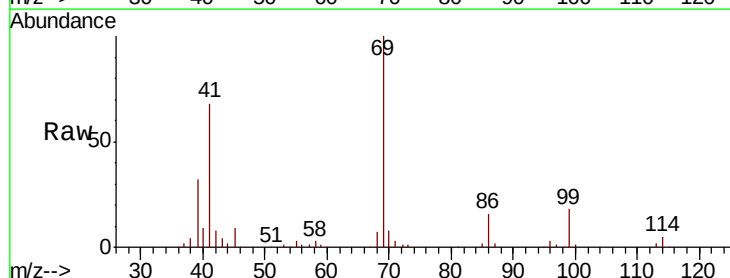
Tgt Ion: 69 Resp: 33337

Ion Ratio Lower Upper

69 100

41 71.2 57.0 85.6

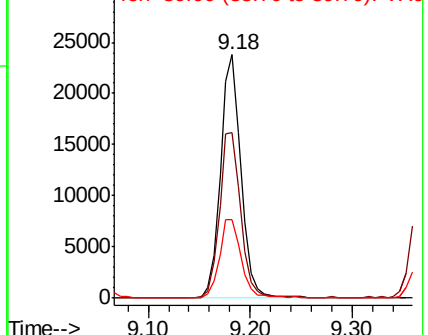
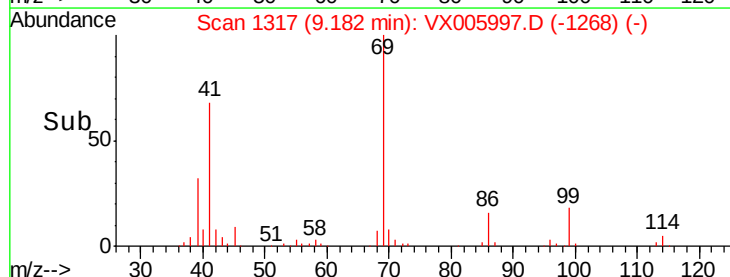
39 34.8 28.3 42.5

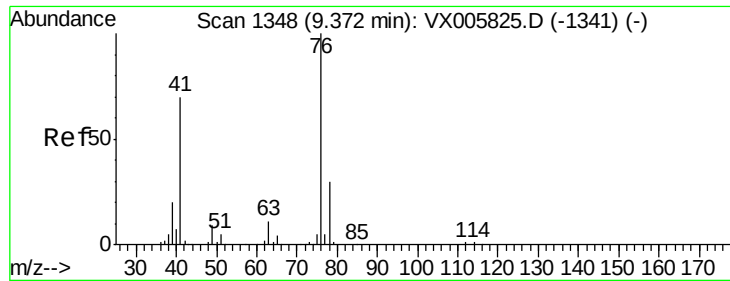


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

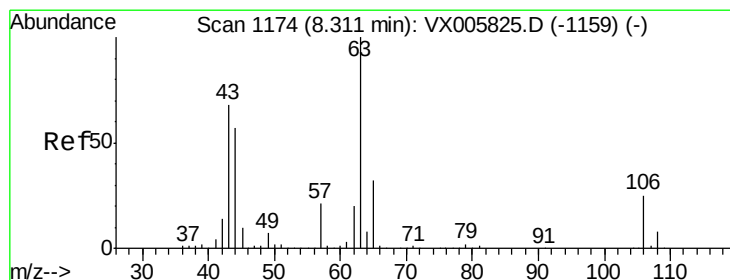
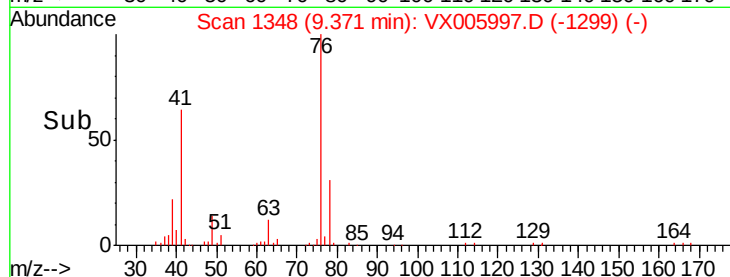
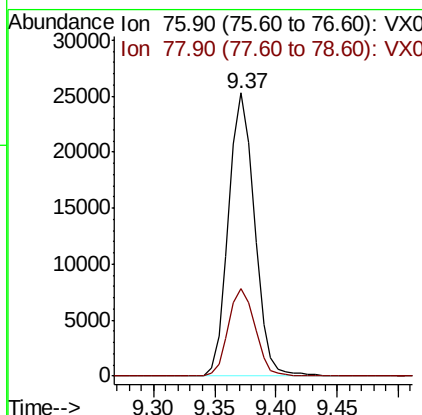
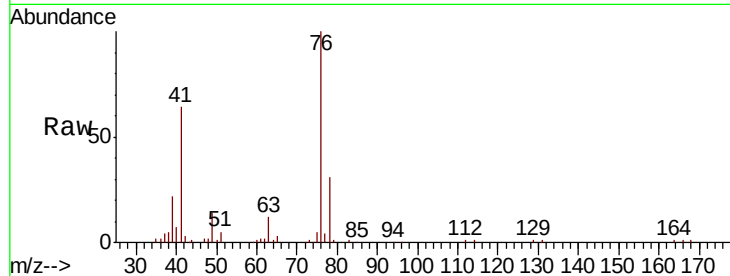




#57
 1,3-Dichloropropane
 Concen: 16.471 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

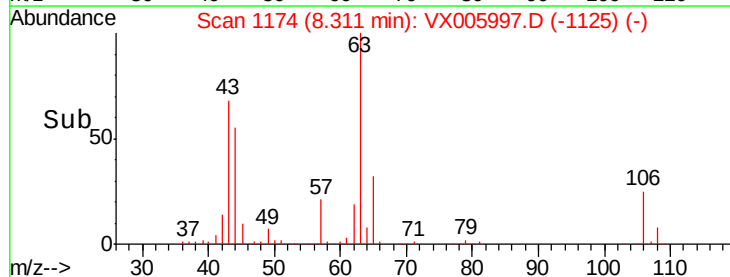
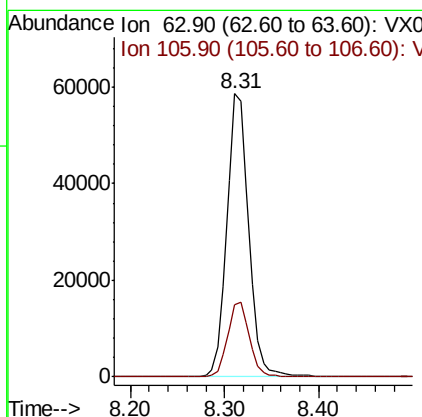
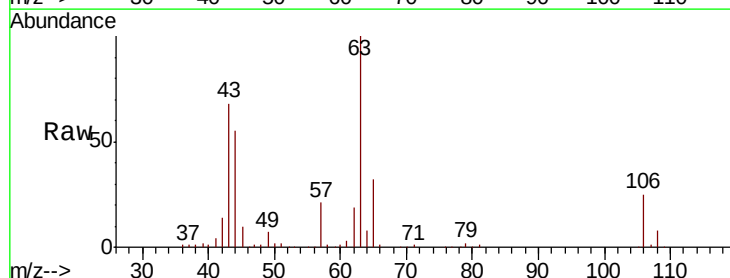
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

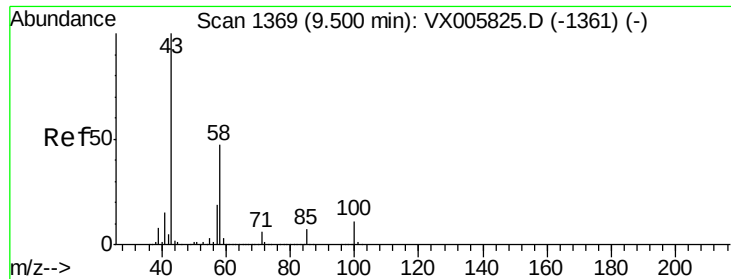
Tot Ion: 76 Resp: 37176
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.644 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 63 Resp: 94415
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.3 31.9

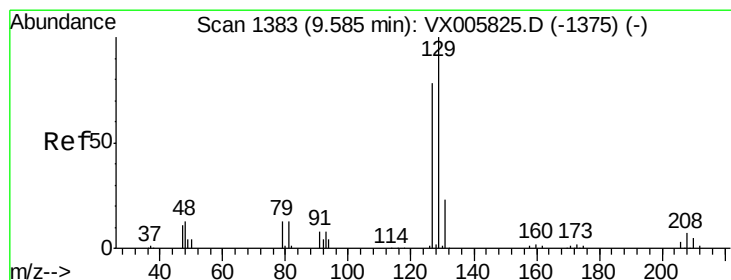
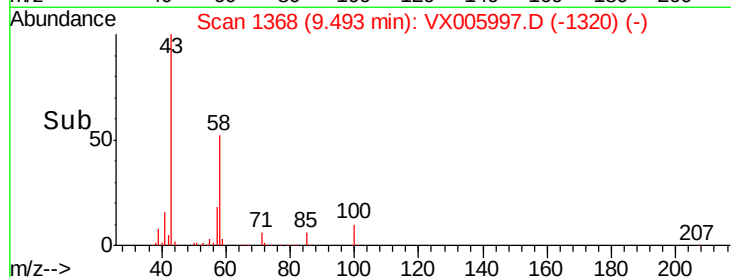
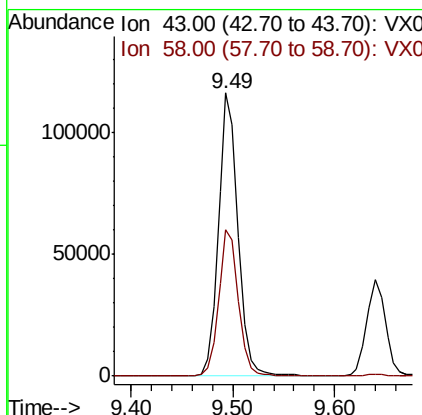
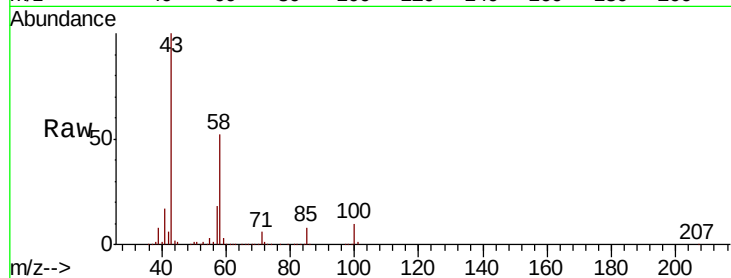




#59
2-Hexanone
Concen: 79.696 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

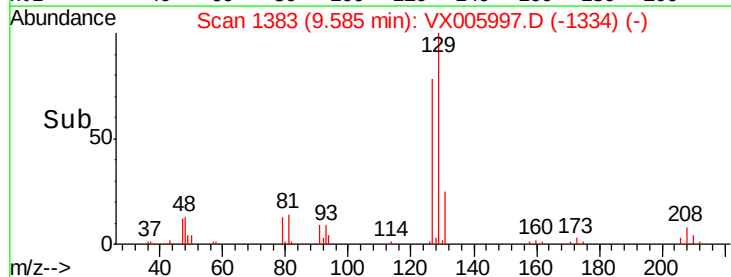
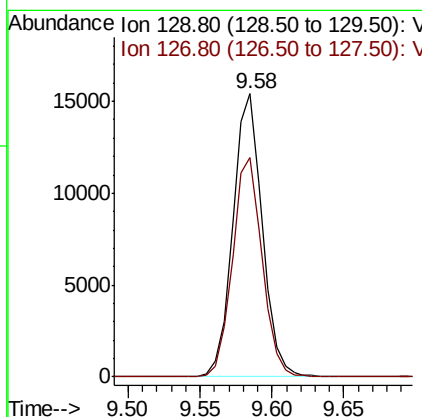
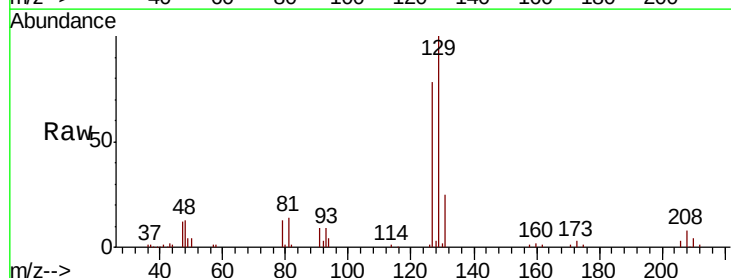
Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

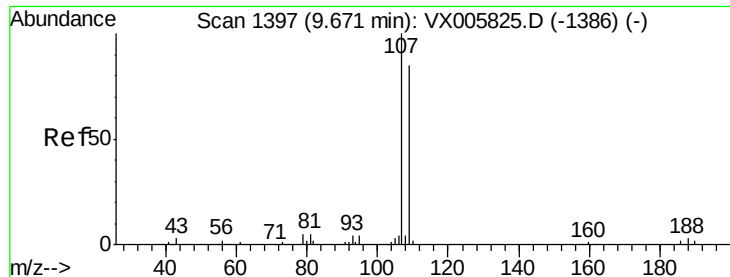
Tot Ion: 43 Resp: 156038
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.8



#60
Dibromochloromethane
Concen: 15.130 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion:129 Resp: 21962
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7

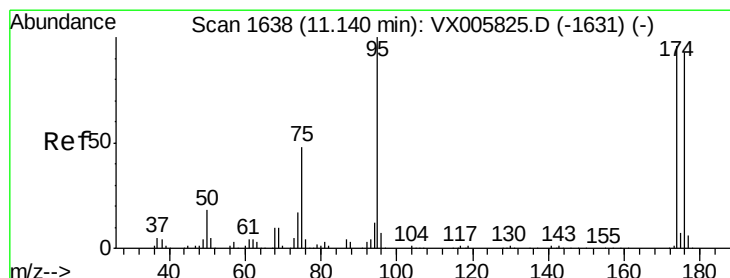
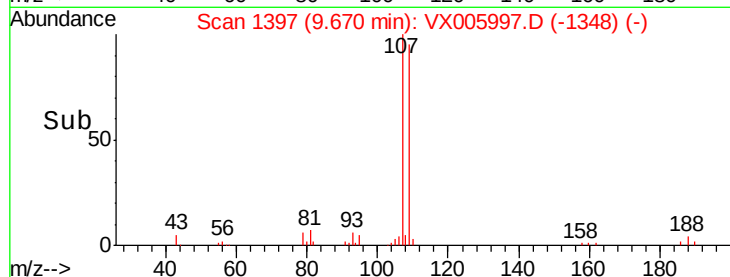
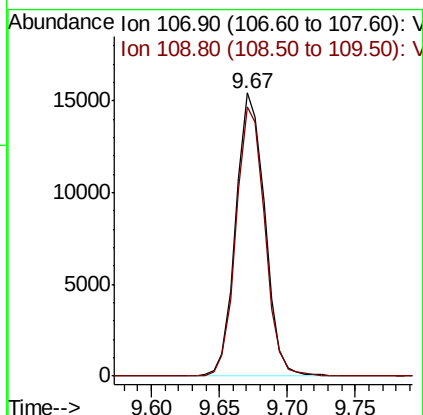
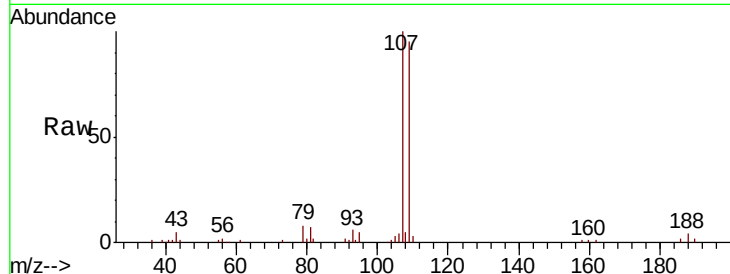




#61
 1,2-Dibromoethane
 Concen: 15.429 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

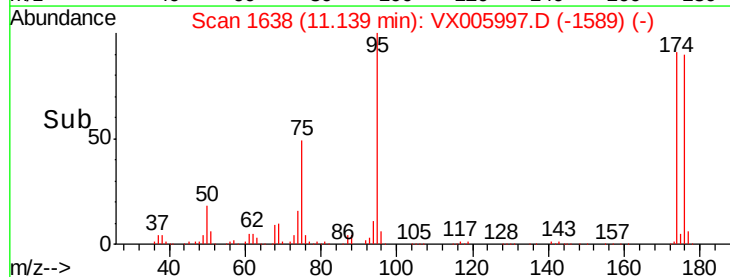
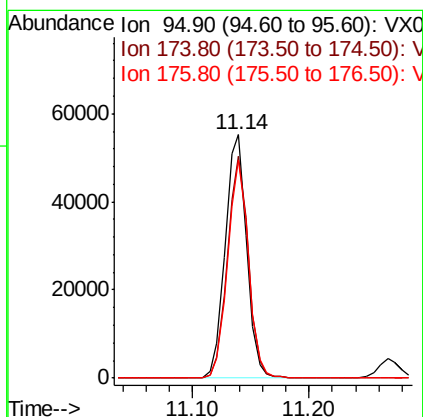
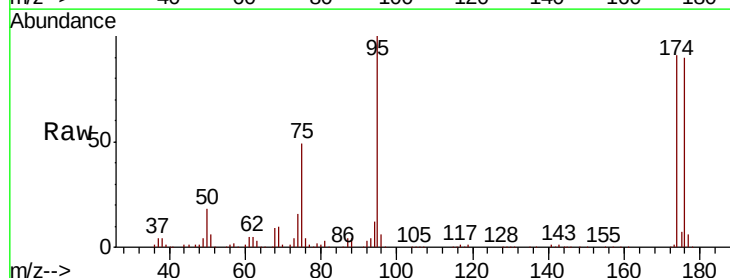
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

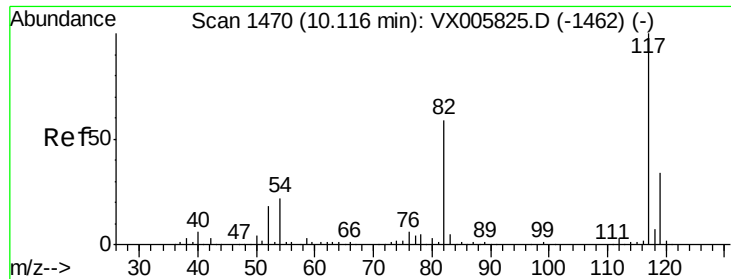
Tot Ion:107 Resp: 22914
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 45.130 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 95 Resp: 70396
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 184.4
 176 87.4 0.0 177.4

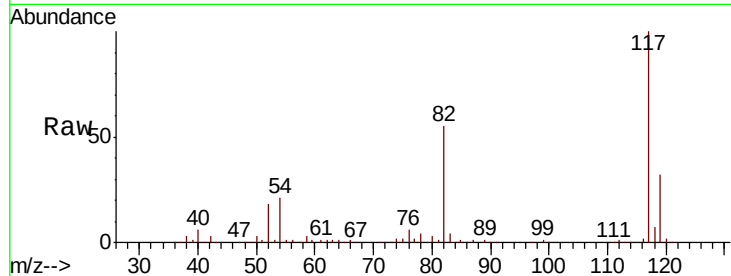




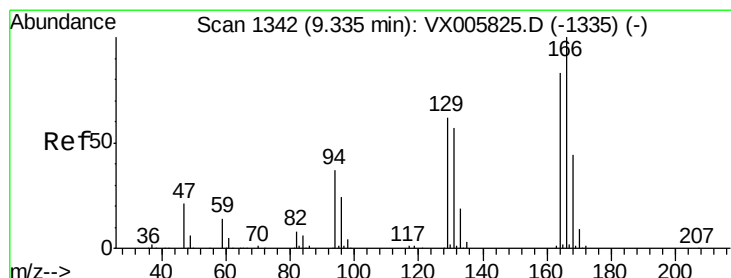
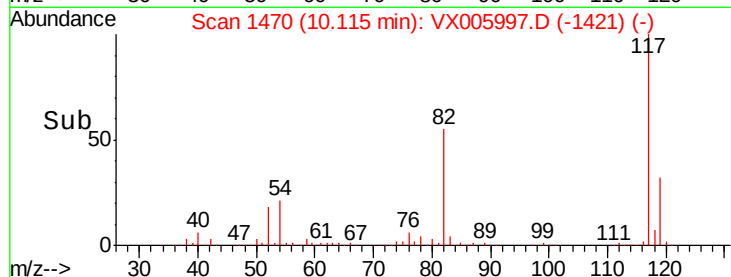
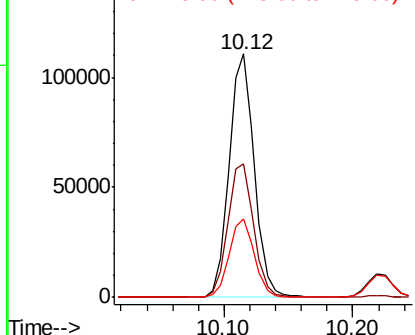
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tot Ion:117 Resp: 151911
Ion Ratio Lower Upper
117 100
82 54.6 44.1 66.1
119 32.1 26.2 39.2

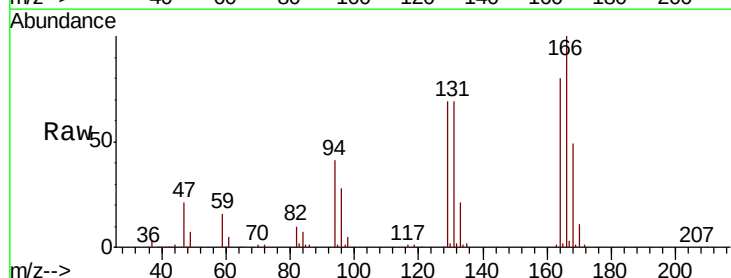


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

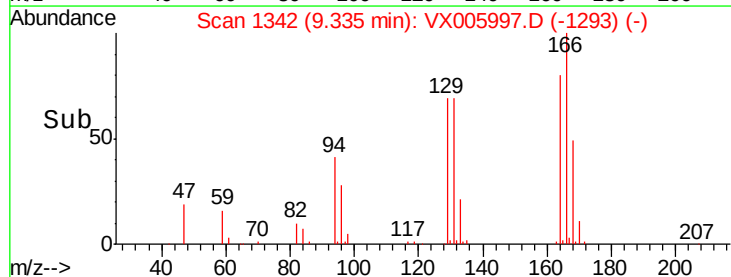
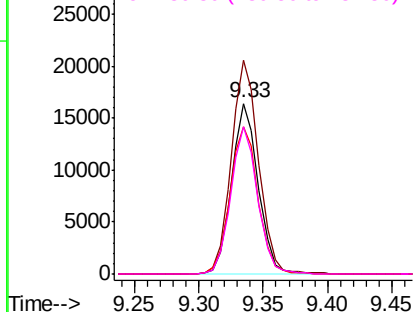


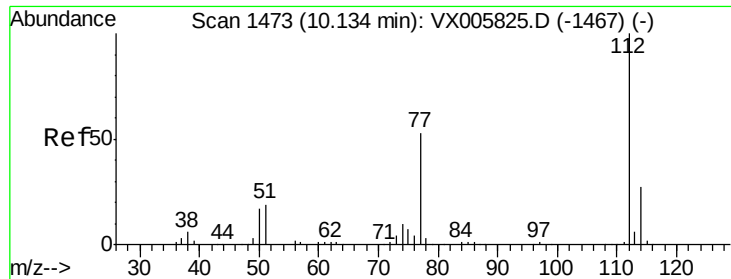
#64
Tetrachloroethene
Concen: 18.266 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion:164 Resp: 23624
Ion Ratio Lower Upper
164 100
166 125.3 101.9 152.9
129 86.6 72.6 109.0
131 86.0 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

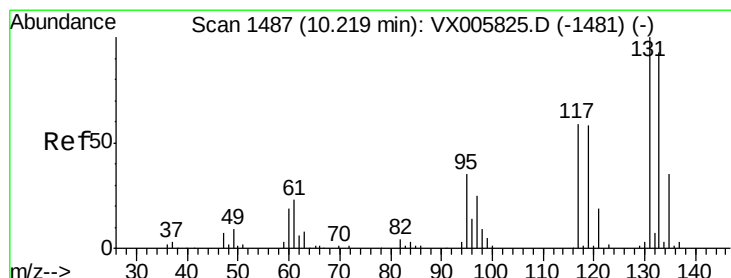
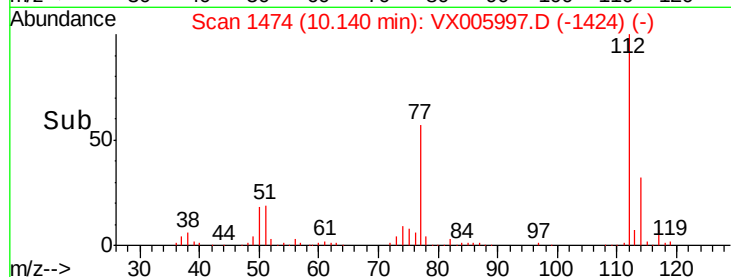
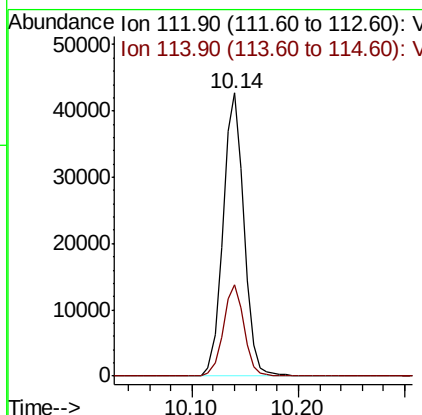
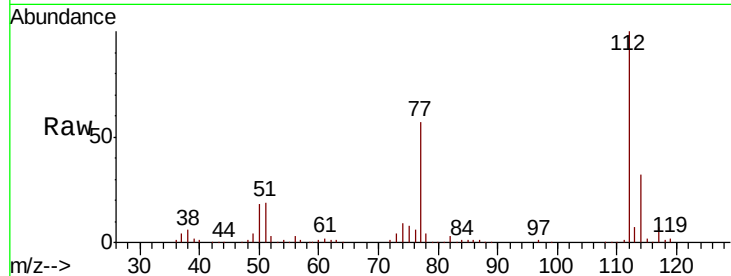




#65
Chlorobenzene
Concen: 19.285 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

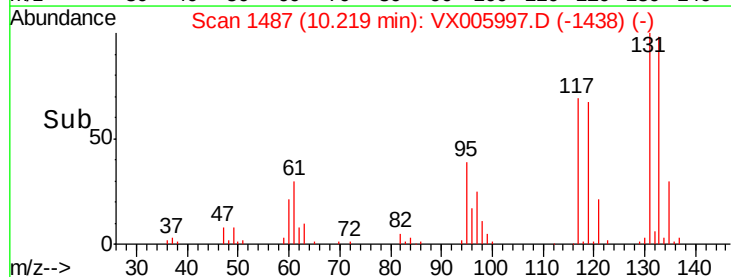
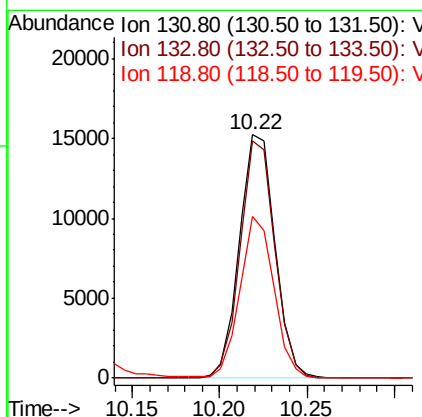
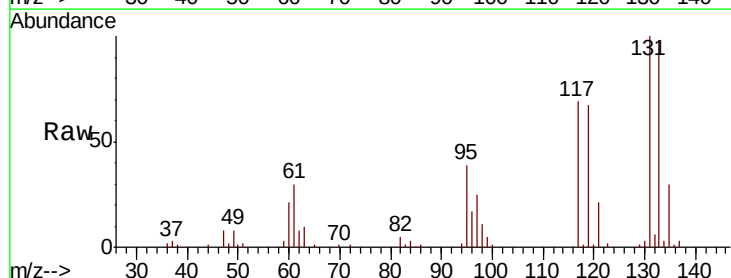
Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

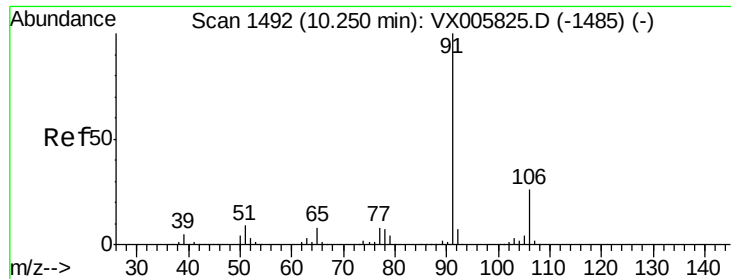
Tot Ion:112 Resp: 58688
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.354 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion:131 Resp: 21535
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.5
119 64.0 31.8 95.3





#67

Ethyl Benzene

Concen: 20.145 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampled :

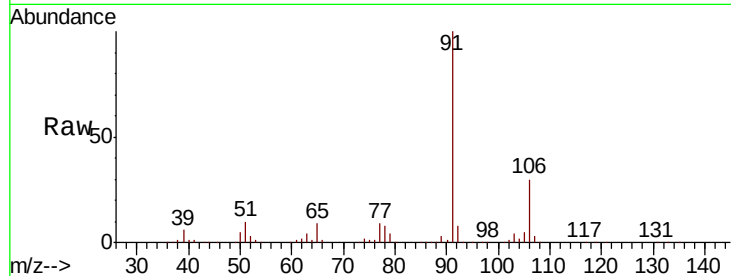
VX1114MBSD02

Tot Ion: 91 Resp: 98308

Ion Ratio Lower Upper

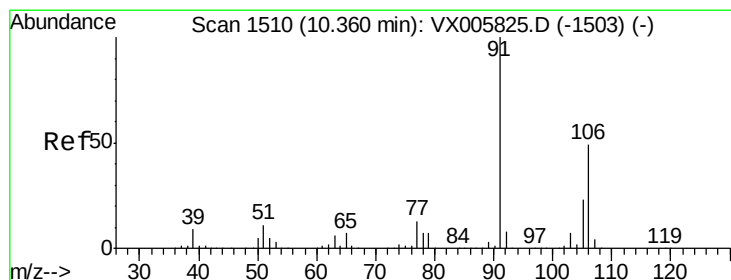
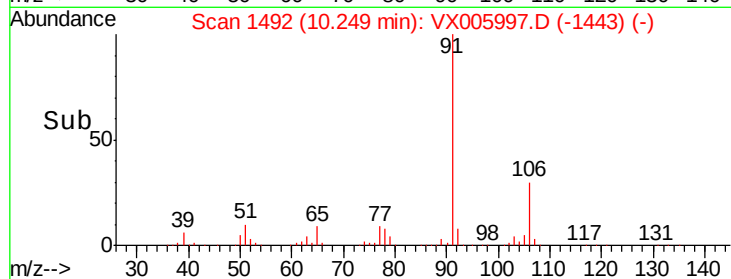
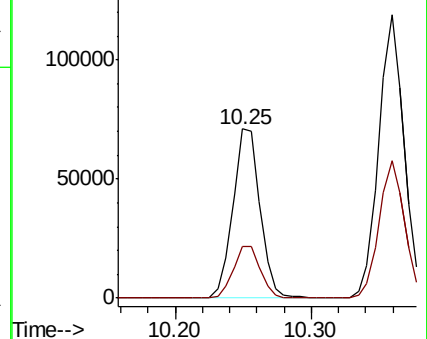
91 100

106 30.2 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: 40.688 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005997.D

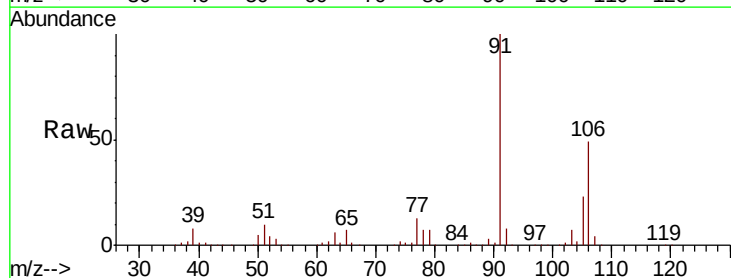
Acq: 15 Nov 2018 02:20

Tgt Ion: 106 Resp: 75737

Ion Ratio Lower Upper

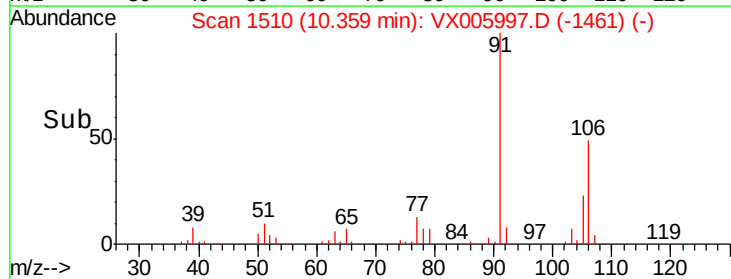
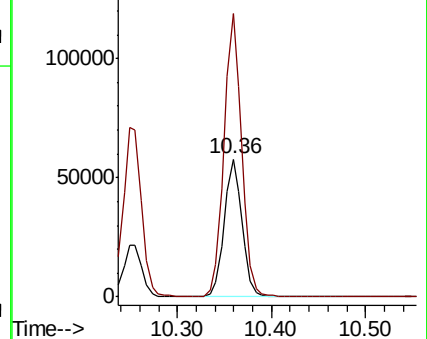
106 100

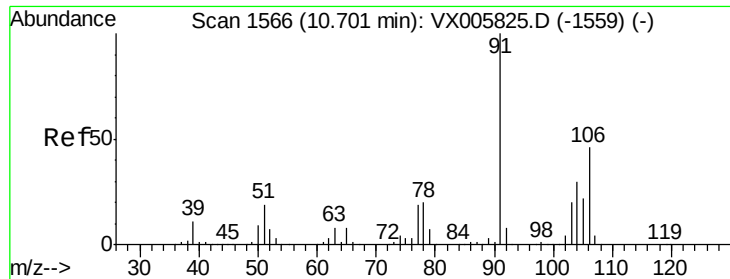
91 203.7 164.2 246.4



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

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

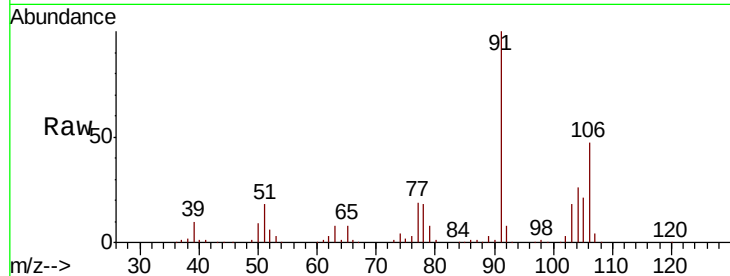




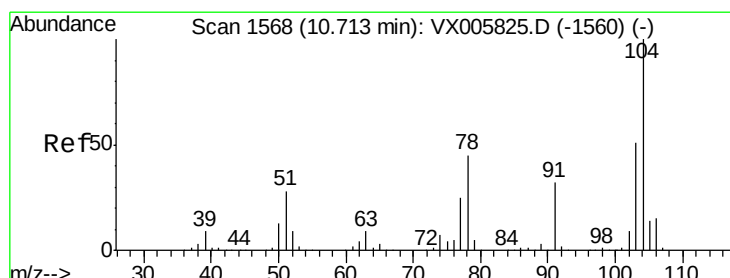
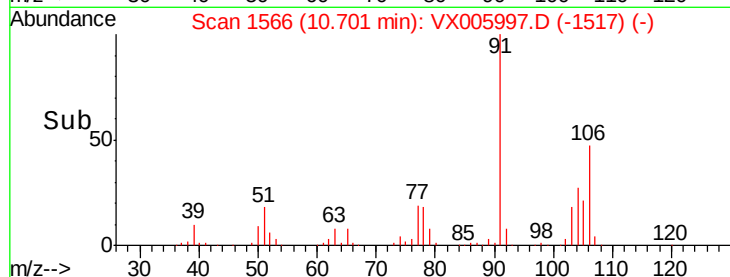
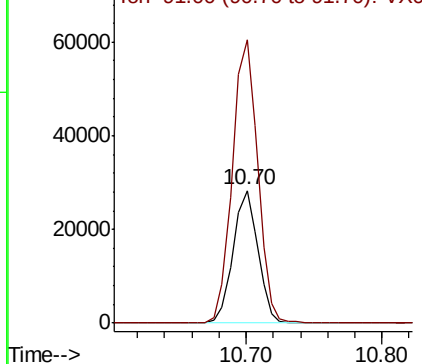
#69
o-Xylene
Concen: 21.522 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tot Ion:106 Resp: 35922
Ion Ratio Lower Upper
106 100
91 218.8 108.5 325.5

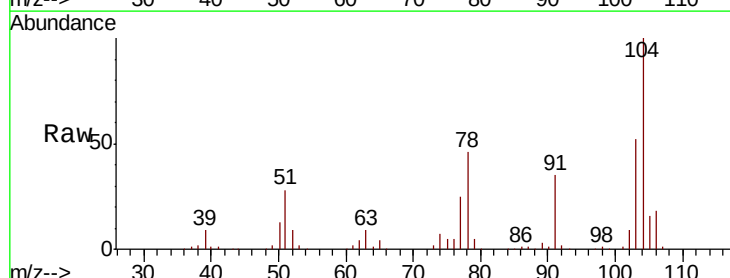


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

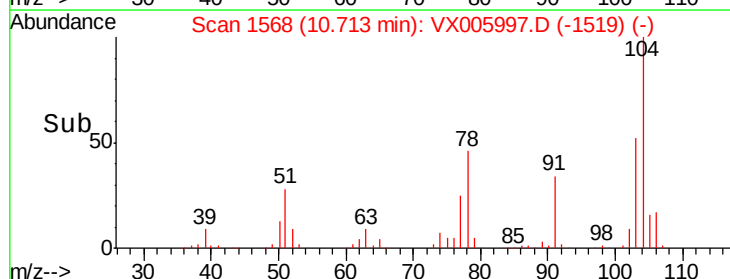
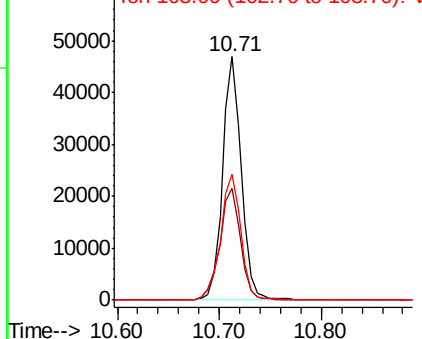


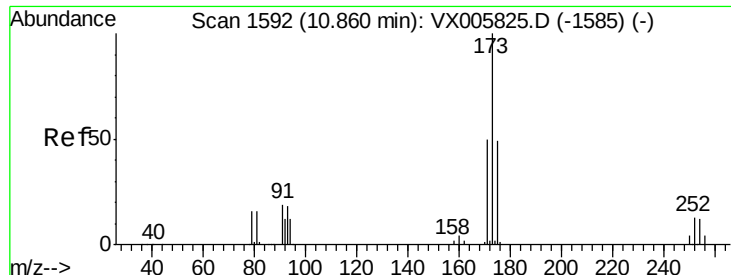
#70
Styrene
Concen: 21.768 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion:104 Resp: 59936
Ion Ratio Lower Upper
104 100
78 51.3 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: 20.077 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

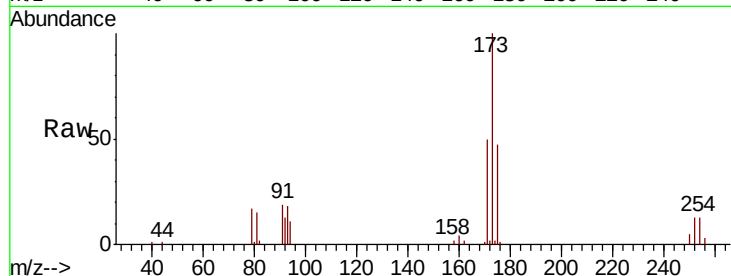
Tot Ion:173 Resp: 17807

Ion Ratio Lower Upper

173 100

175 49.8 24.8 74.3

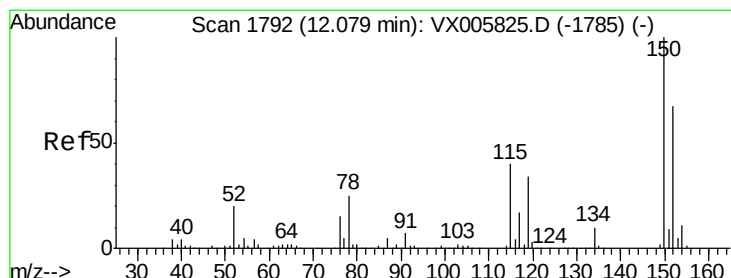
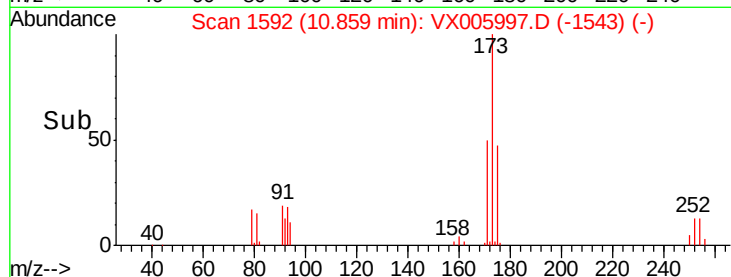
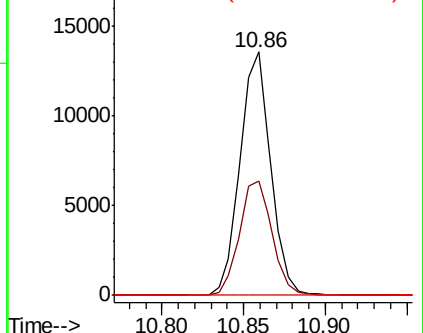
254 0.0 0.2 0.2#



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: VX005997.D

Acq: 15 Nov 2018 02:20

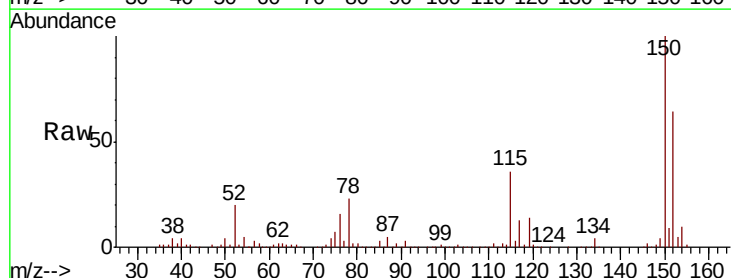
Tgt Ion:152 Resp: 82765

Ion Ratio Lower Upper

152 100

115 63.8 39.4 118.1

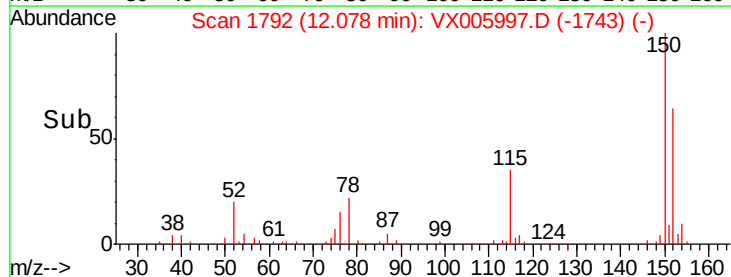
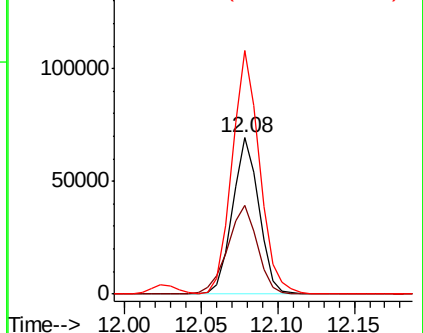
150 162.4 0.0 346.4

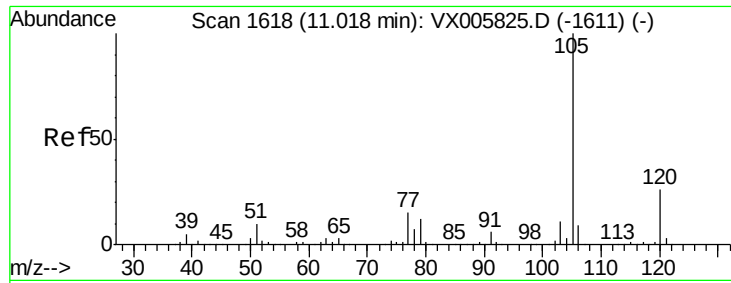


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.766 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

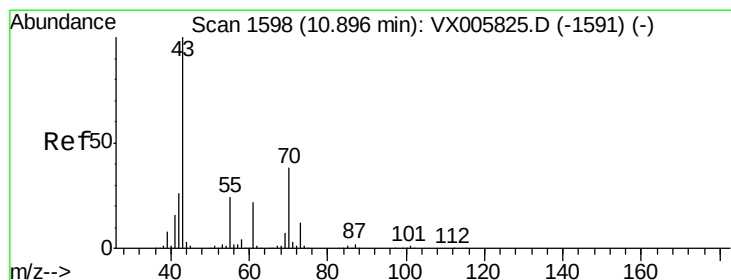
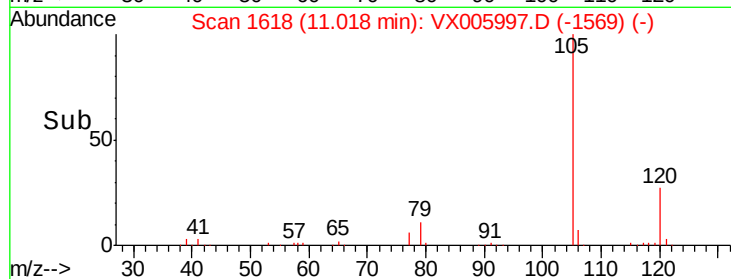
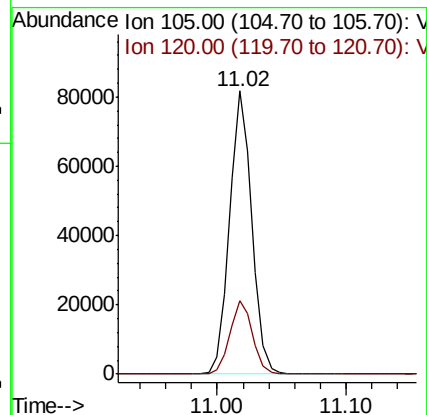
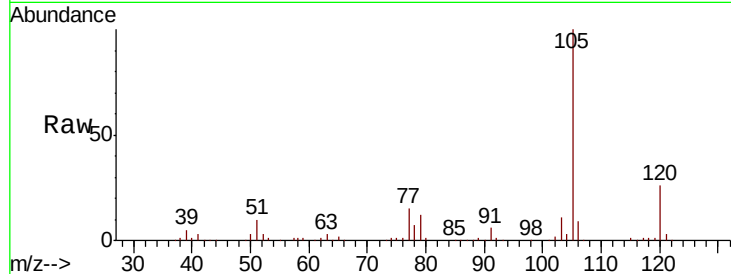
VX1114MBSD02

Tot Ion:105 Resp: 99389

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



#74

N-ethyl acetate

Concen: 19.130 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Tgt Ion: 43 Resp: 49246

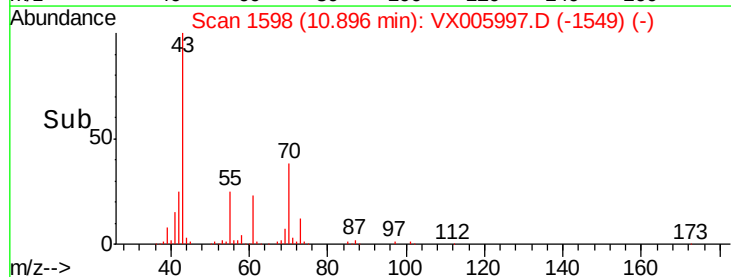
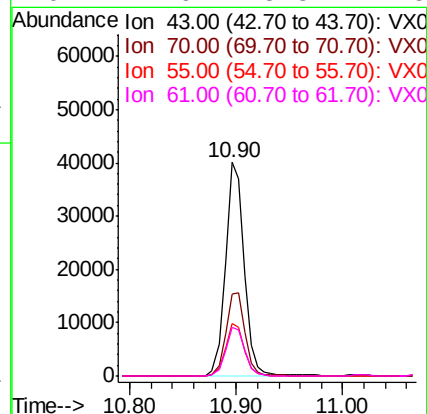
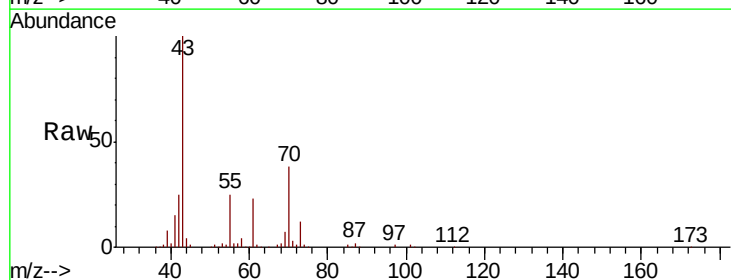
Ion Ratio Lower Upper

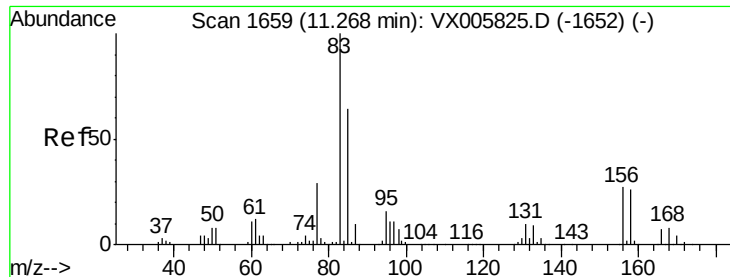
43 100

70 39.6 31.6 47.4

55 24.7 19.7 29.5

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.171 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS02

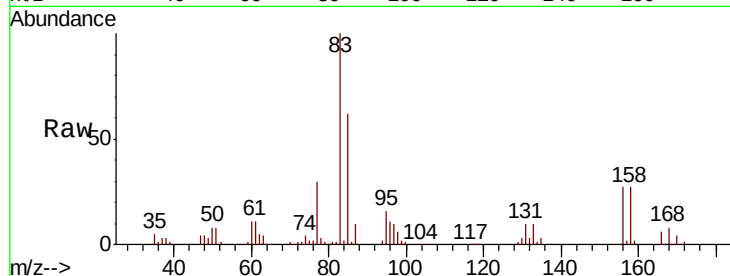
Tot Ion: 83 Resp: 35435

Ion Ratio Lower Upper

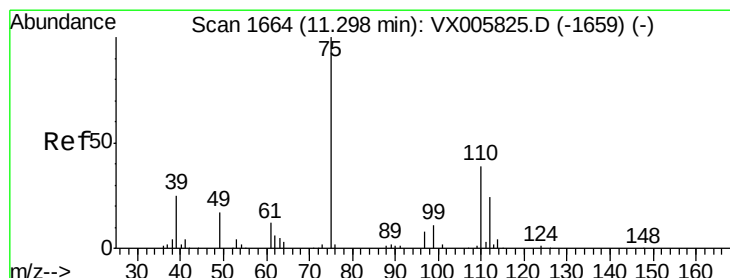
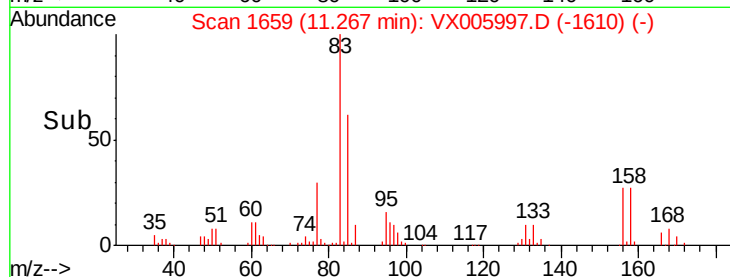
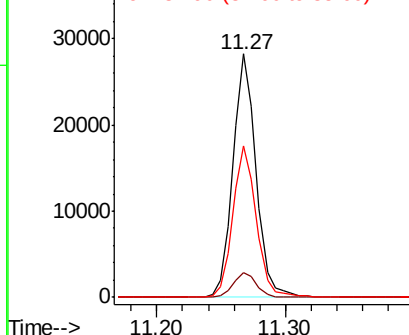
83 100

131 10.4 5.3 15.9

85 63.2 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: 25.000 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005997.D

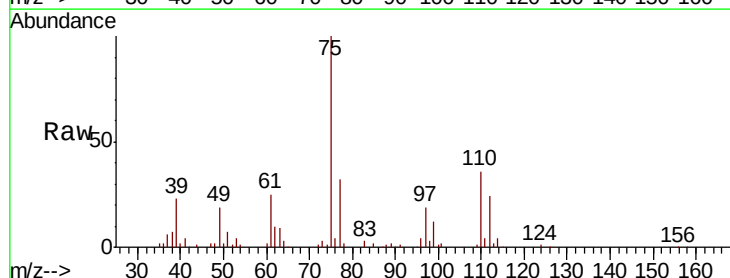
Acq: 15 Nov 2018 02:20

Tgt Ion: 75 Resp: 42132

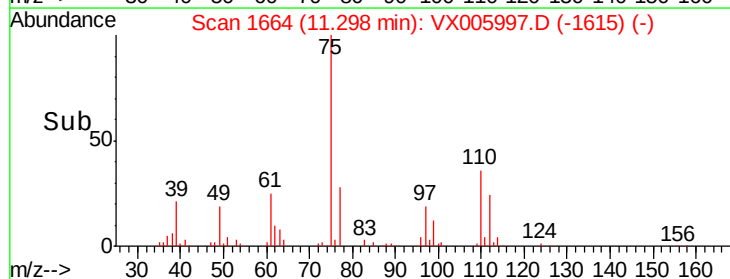
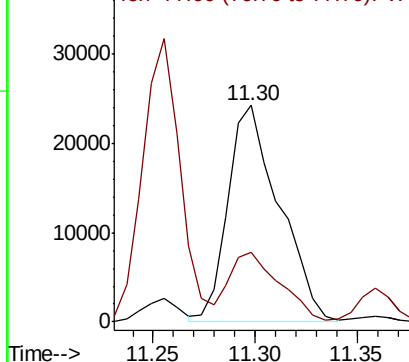
Ion Ratio Lower Upper

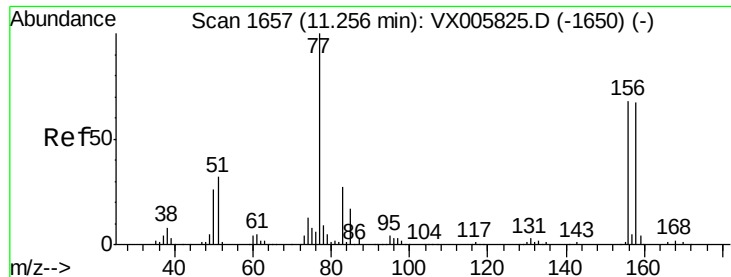
75 100

77 31.9 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: 19.833 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

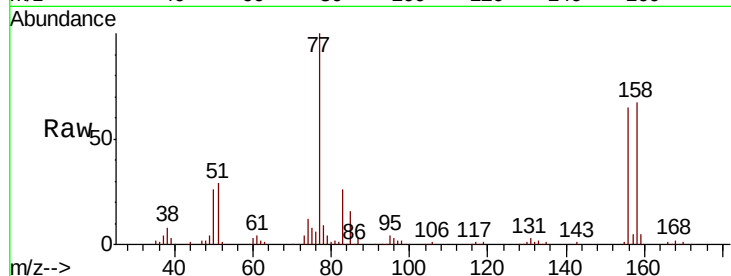
Tot Ion:156 Resp: 26755

Ion Ratio Lower Upper

156 100

77 152.2 74.8 224.4

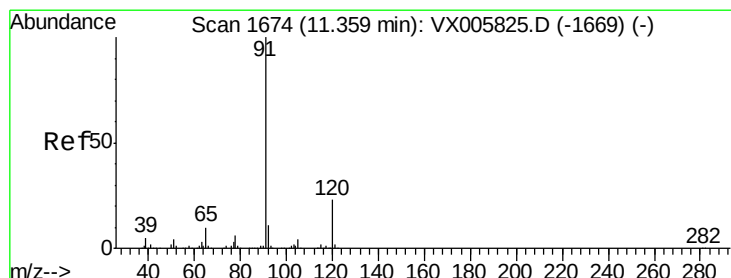
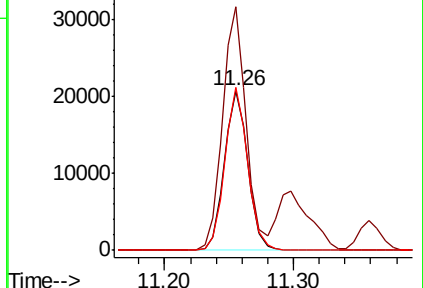
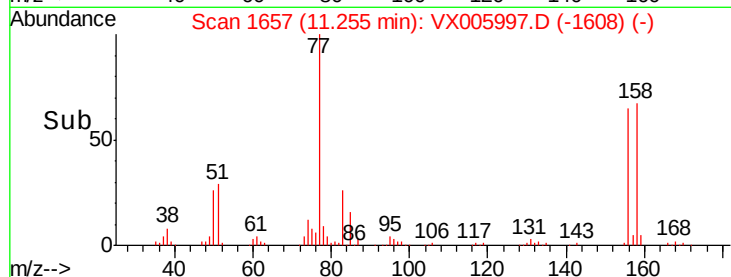
158 99.2 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.099 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005997.D

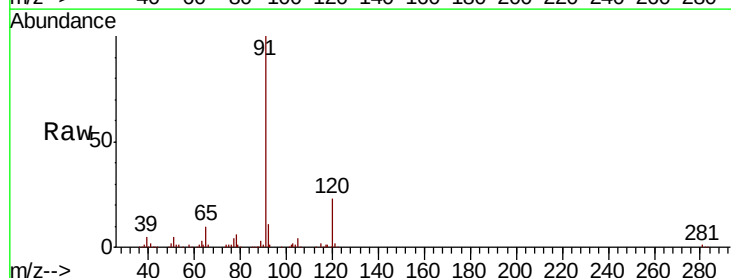
Acq: 15 Nov 2018 02:20

Tgt Ion: 91 Resp: 113372

Ion Ratio Lower Upper

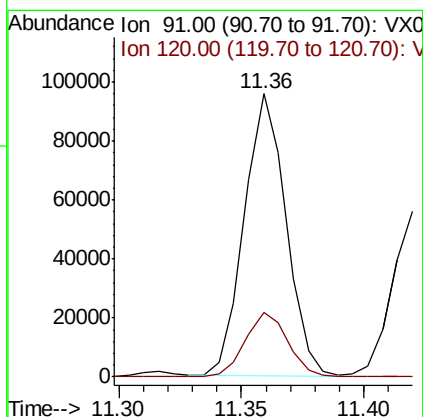
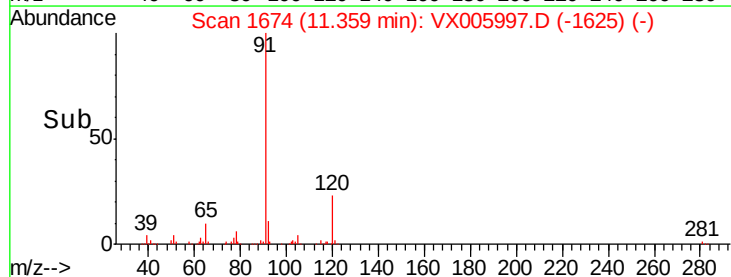
91 100

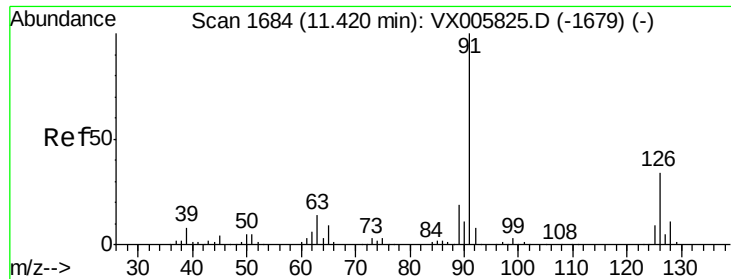
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

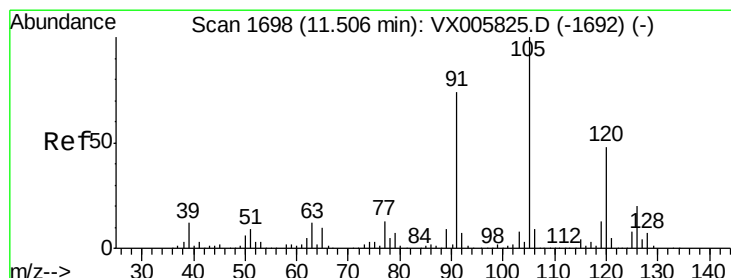
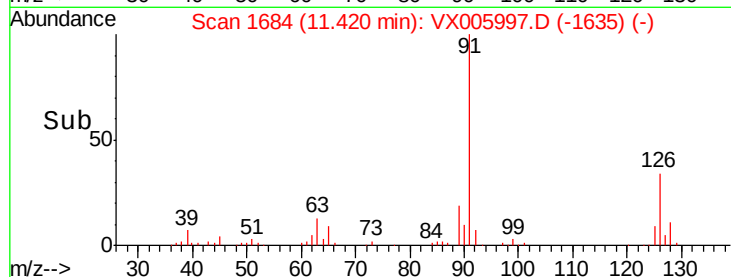
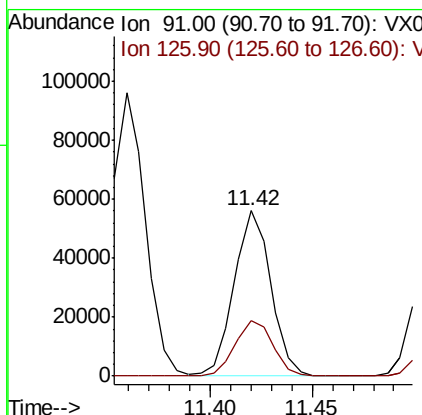
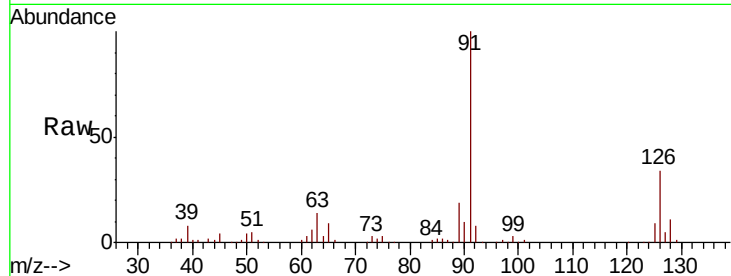




#79
 2-Chlorotoluene
 Concen: 20.340 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

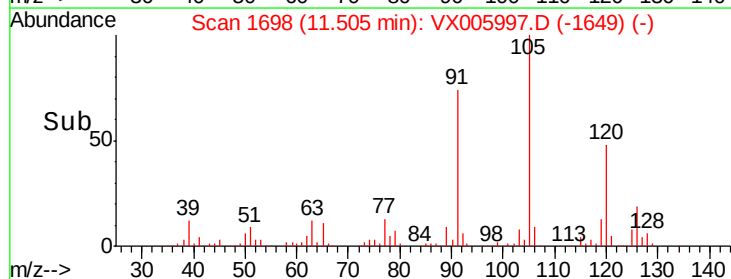
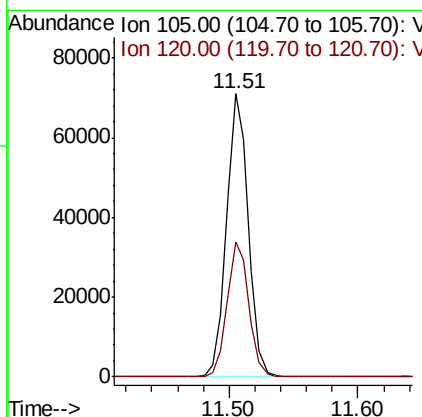
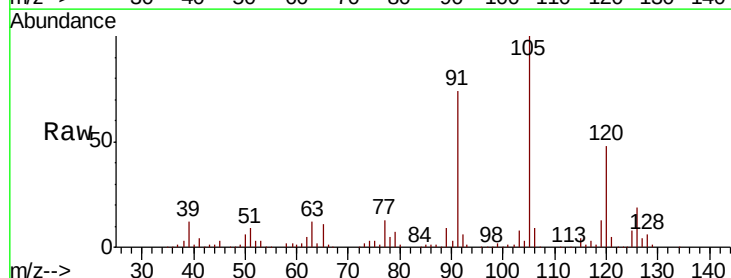
Instrument :
 MSVOA_X
 ClientSampled :
 VX1114MBSD02

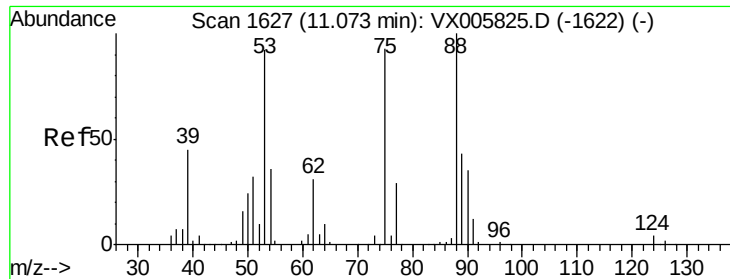
Tot Ion: 91 Resp: 69348
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.724 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 105 Resp: 84291
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.528 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

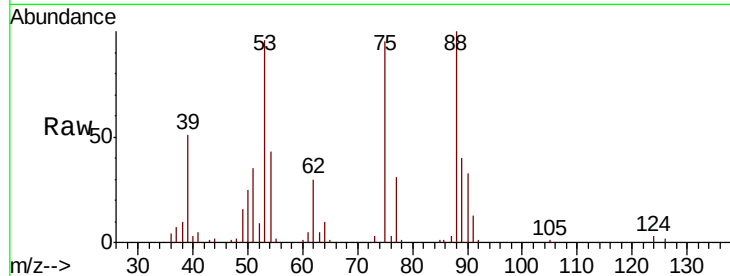
Tot Ion: 75 Resp: 9797

Ion Ratio Lower Upper

75 100

53 101.8 80.2 120.2

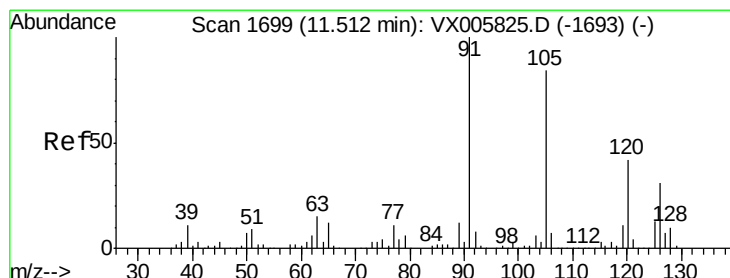
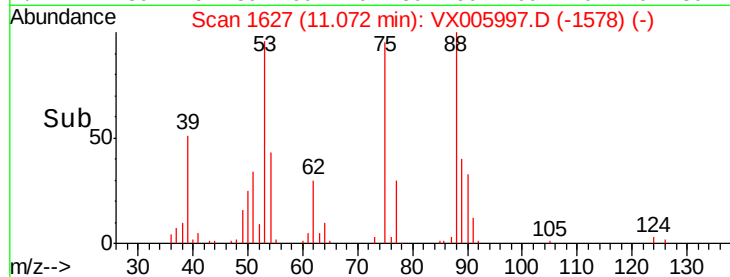
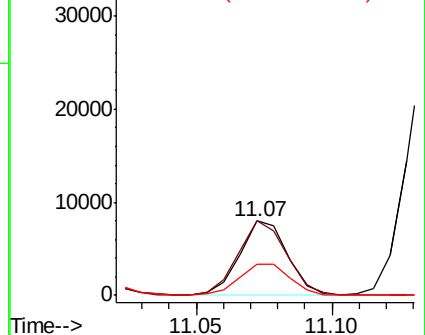
89 44.6 39.8 59.8



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: 20.384 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005997.D

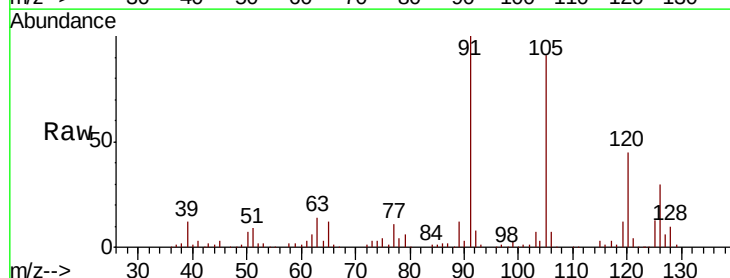
Acq: 15 Nov 2018 02:20

Tgt Ion: 91 Resp: 81907

Ion Ratio Lower Upper

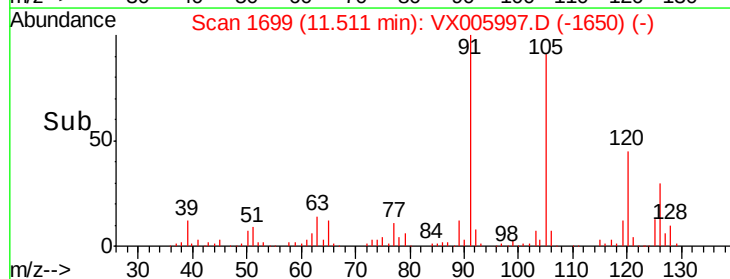
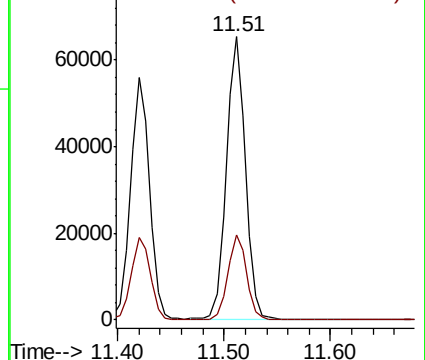
91 100

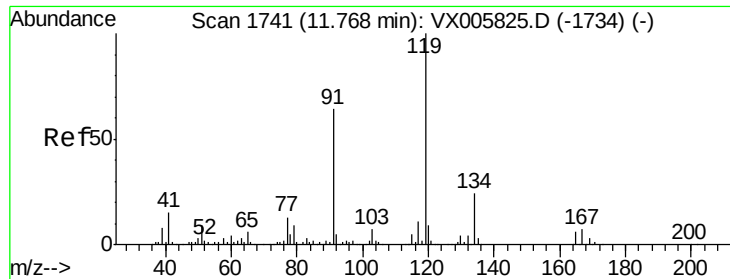
126 29.5 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.779 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

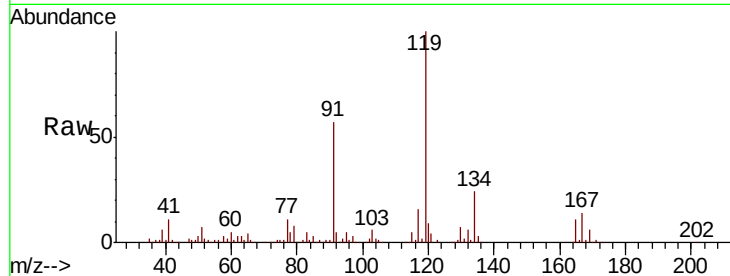
Tot Ion:119 Resp: 81384

Ion Ratio Lower Upper

119 100

91 58.4 28.5 85.5

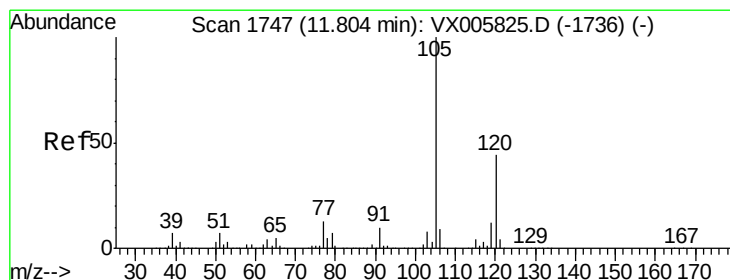
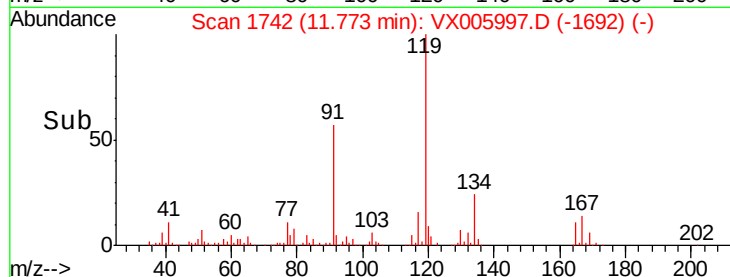
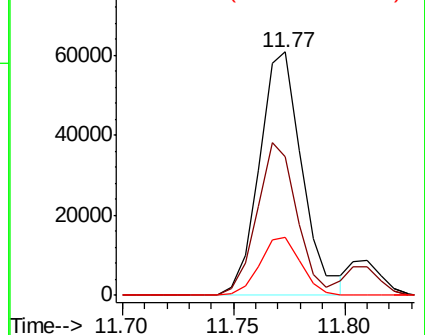
134 23.0 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.402 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX005997.D

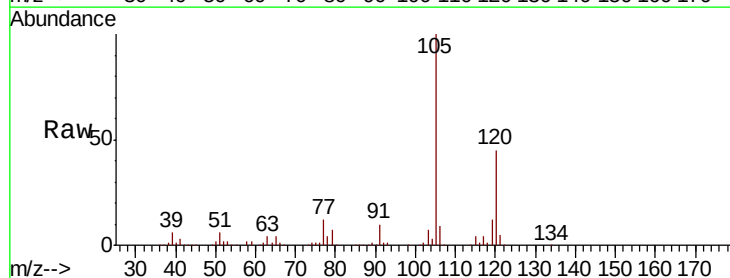
Acq: 15 Nov 2018 02:20

Tgt Ion:105 Resp: 87417

Ion Ratio Lower Upper

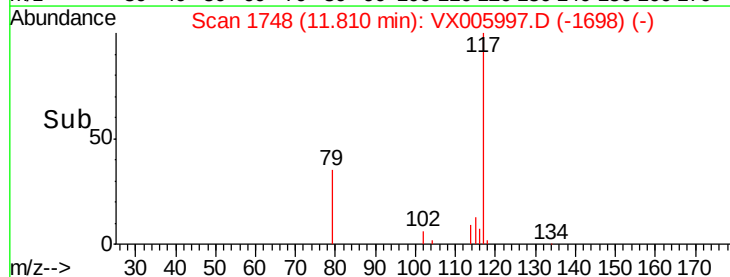
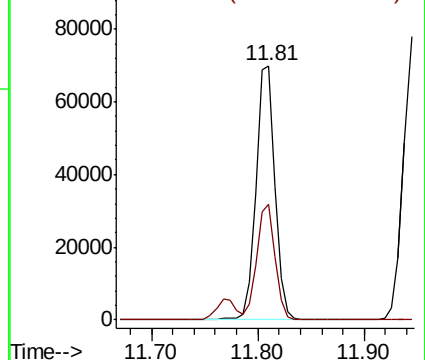
105 100

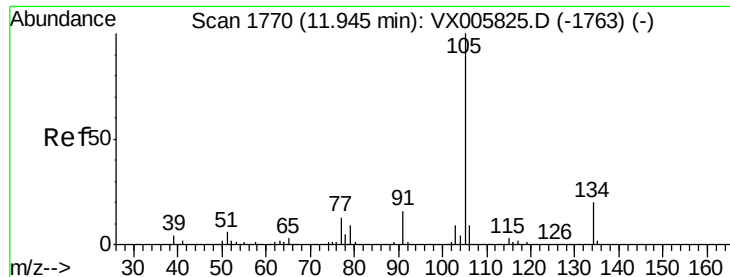
120 43.9 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

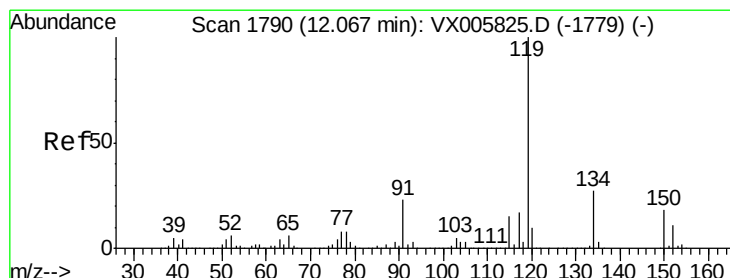
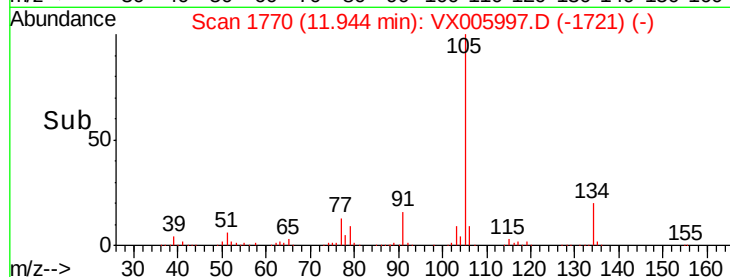
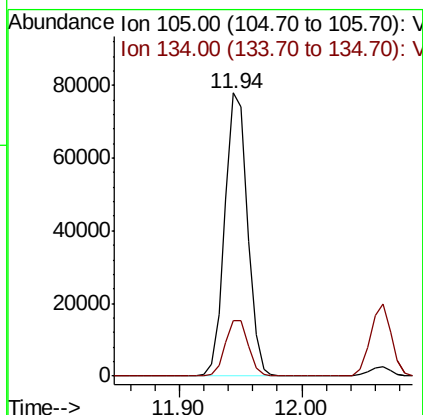
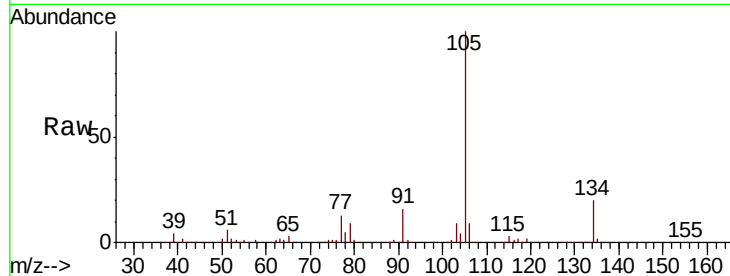




#85
 sec-Butylbenzene
 Concen: 19.781 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

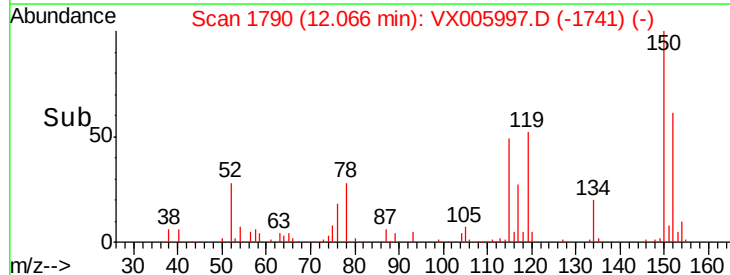
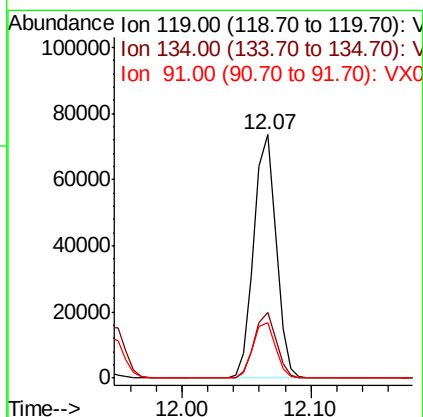
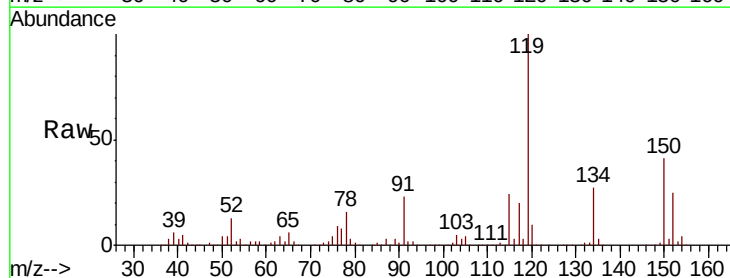
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

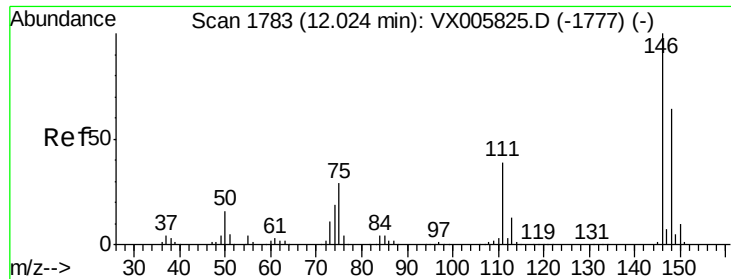
Tot Ion:105 Resp: 99533
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.711 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion:119 Resp: 87851
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.0 39.0
 91 23.4 11.4 34.2

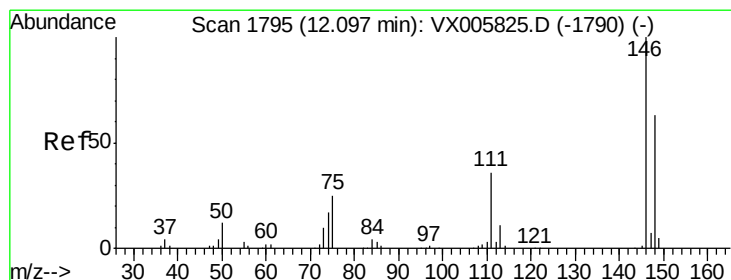
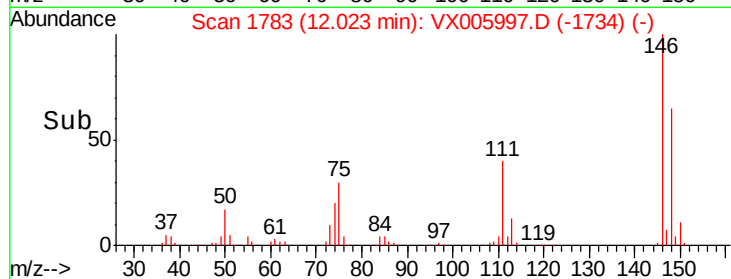
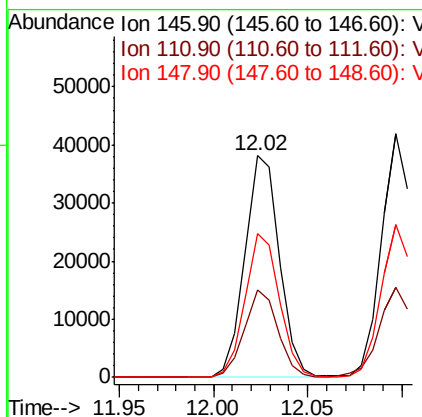
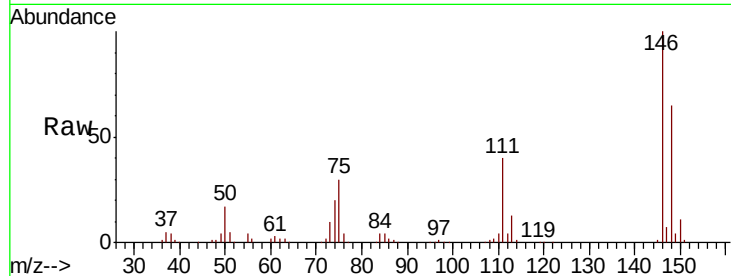




#87
 1,3-Dichlorobenzene
 Concen: 18.809 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

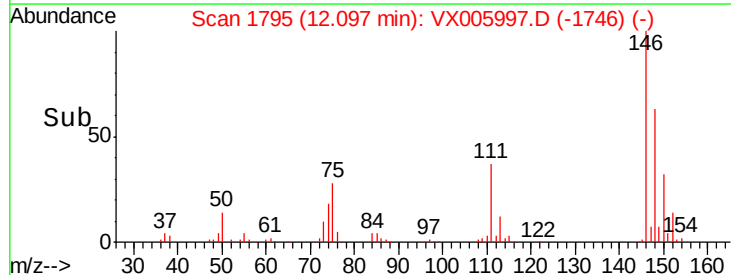
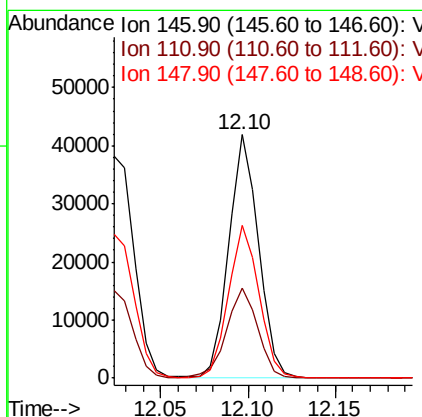
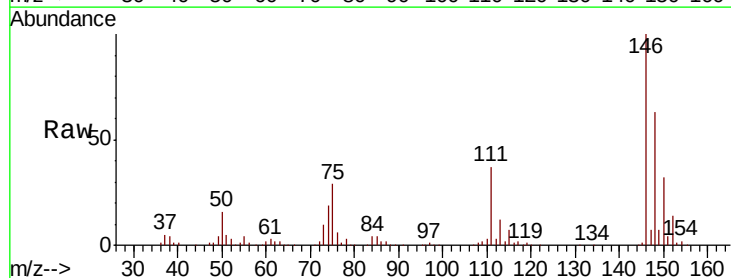
Instrument :
 MSVOA_X
 ClientSampleID :
 VX1114MBSD02

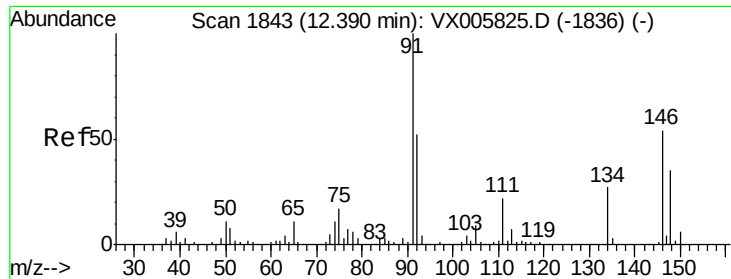
Tot Ion:146 Resp: 48696
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.0 57.0
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 18.773 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion:146 Resp: 49756
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.6 55.8
 148 64.4 32.1 96.3





#89

n-Butylbenzene

Concen: 18.090 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBSD02

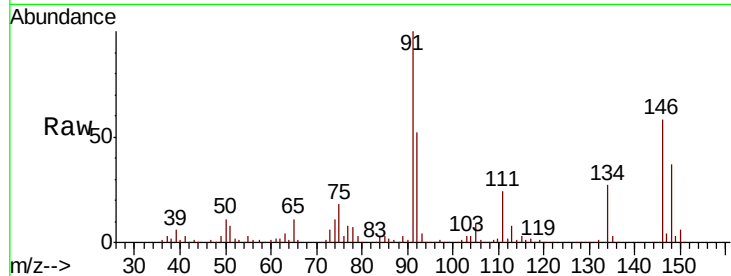
Tot Ion: 91 Resp: 74724

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.2

134 25.7 13.1 39.3

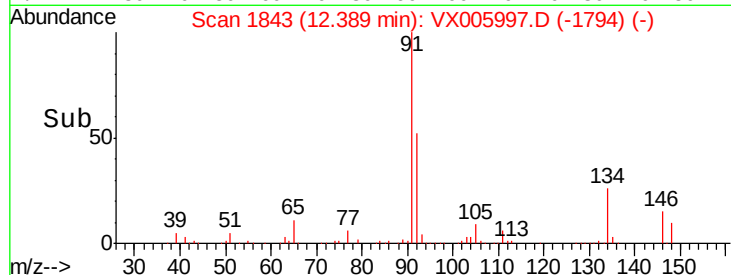


Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX005825.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX005825.D (-1836) (-)

Time-->

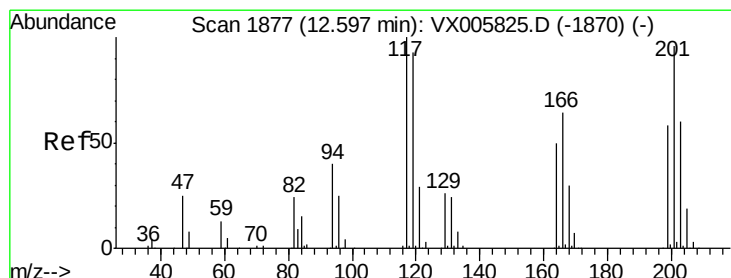


Abundance Ion 91.00 (90.70 to 91.70): VX005997.D (-1794) (-)

Ion 92.00 (91.70 to 92.70): VX005997.D (-1794) (-)

Ion 134.00 (133.70 to 134.70): VX005997.D (-1794) (-)

Time-->



#90

Hexachloroethane

Concen: 18.881 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX005997.D

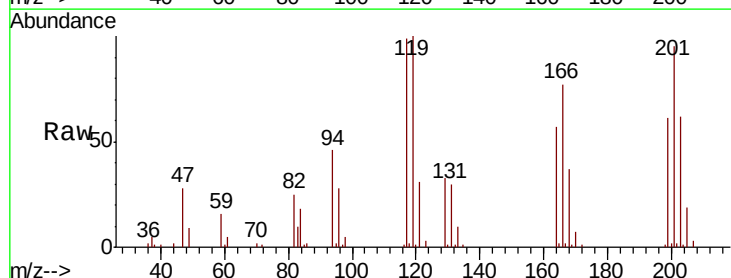
Acq: 15 Nov 2018 02:20

Tgt Ion: 117 Resp: 14050

Ion Ratio Lower Upper

117 100

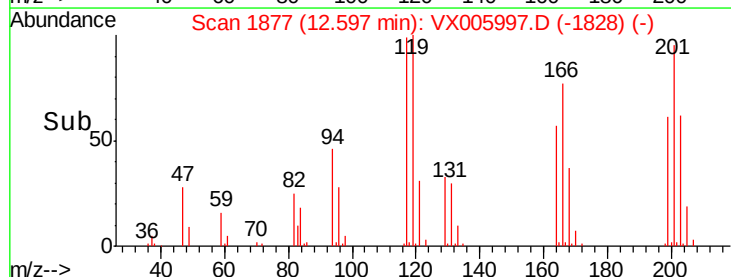
201 95.5 47.9 143.6



Abundance Ion 116.80 (116.50 to 117.50): VX005825.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX005825.D (-1870) (-)

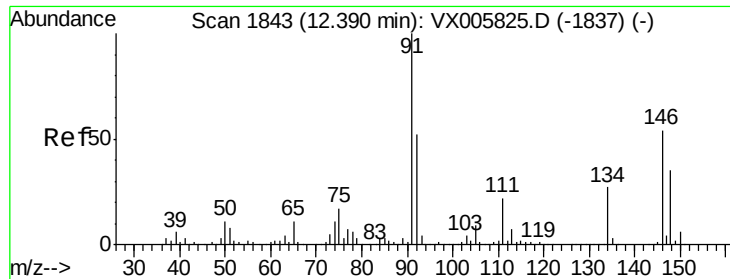
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX005997.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX005997.D (-1828) (-)

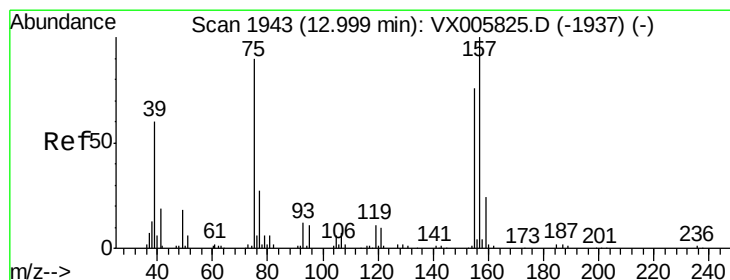
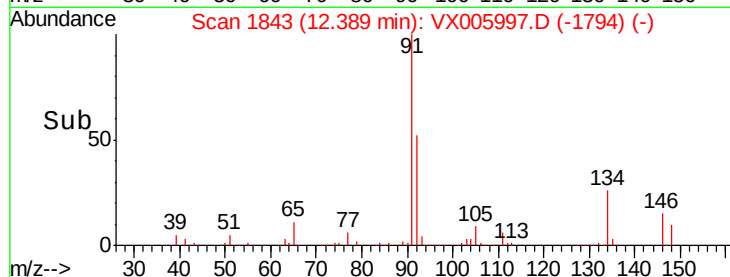
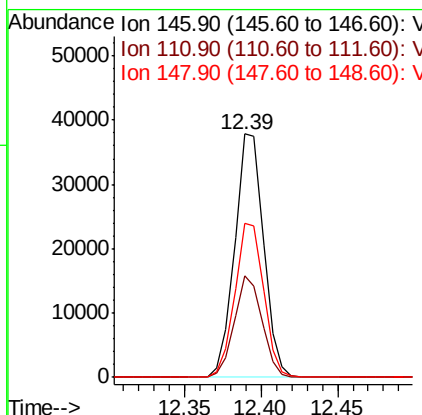
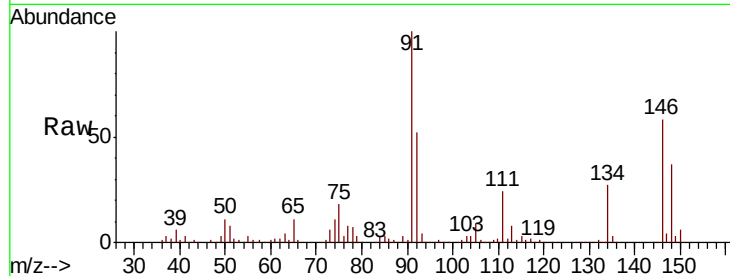
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 19.136 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

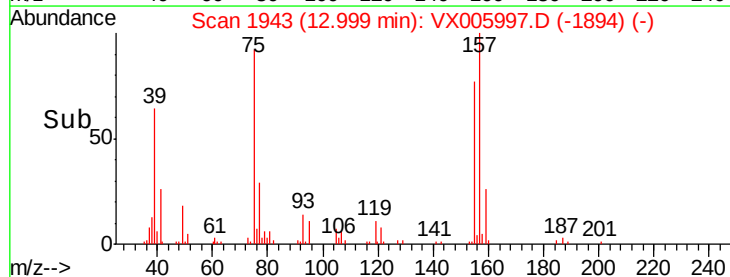
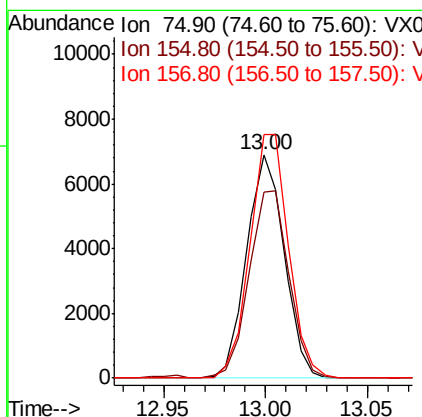
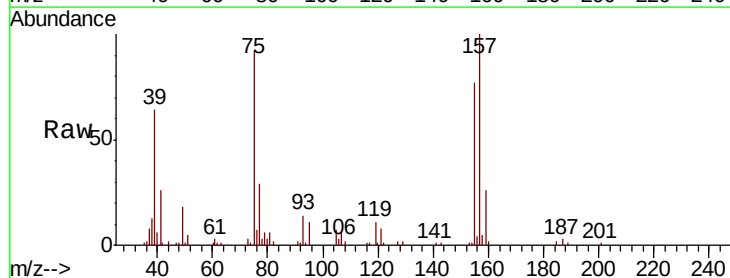
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114MBSD02

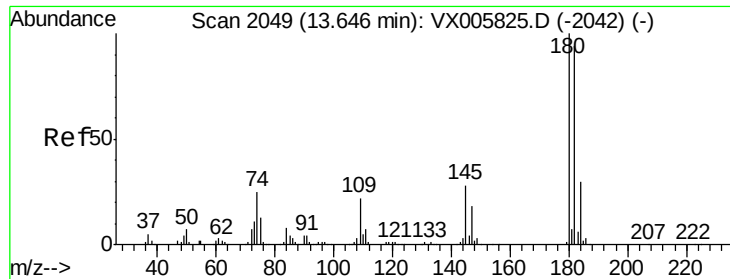
Tot Ion:146 Resp: 49630
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 63.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.635 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005997.D
 Acq: 15 Nov 2018 02:20

Tgt Ion: 75 Resp: 8846
 Ion Ratio Lower Upper
 75 100
 155 88.8 45.4 136.1
 157 112.1 57.4 172.0





#93

1,2,4-Trichlorobenzene

Concen: 19.280 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

Instrument :

MSVOA_X

ClientSampleId :

VX1114MBS02

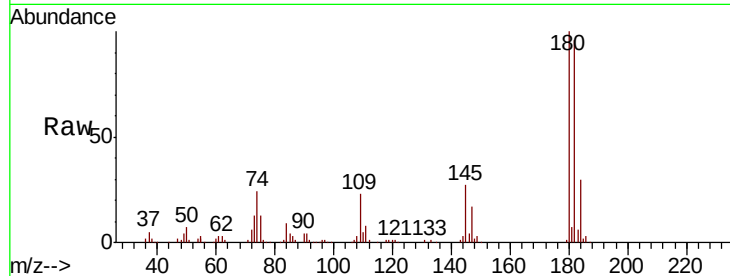
Tot Ion:180 Resp: 35202

Ion Ratio Lower Upper

180 100

182 96.0 47.6 142.8

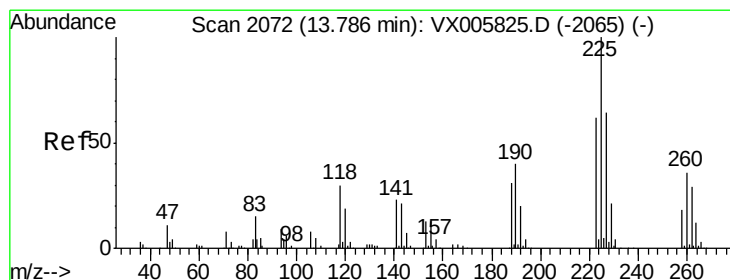
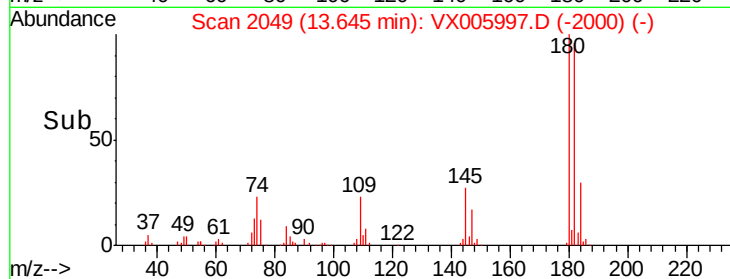
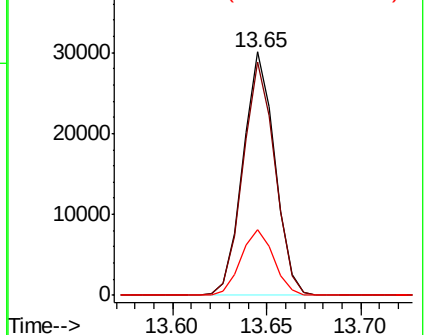
145 27.7 14.1 42.2



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: 16.939 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005997.D

Acq: 15 Nov 2018 02:20

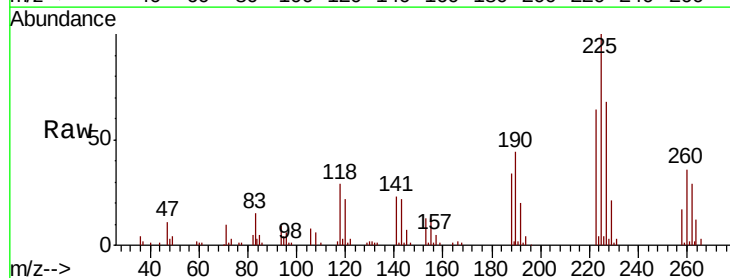
Tgt Ion:225 Resp: 16246

Ion Ratio Lower Upper

225 100

223 63.5 31.7 95.1

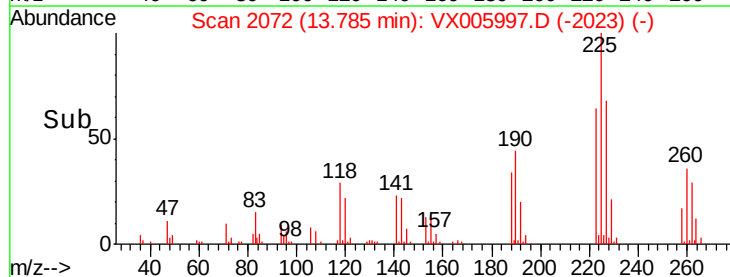
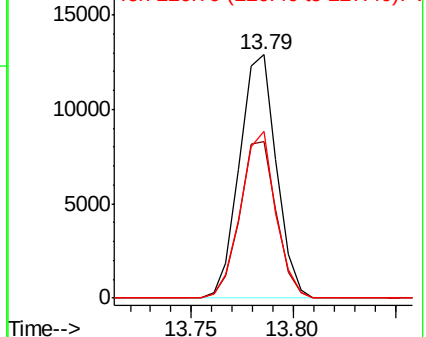
227 64.4 32.3 96.9

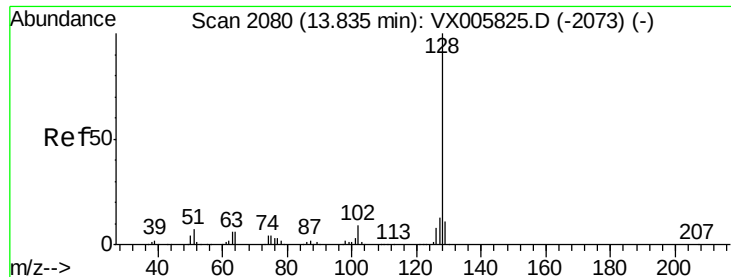


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

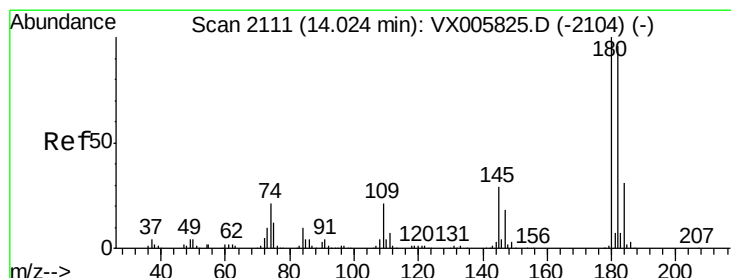
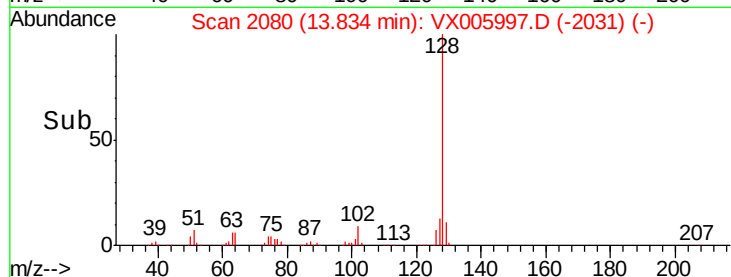
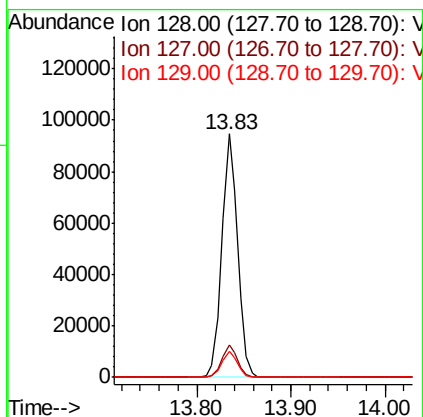
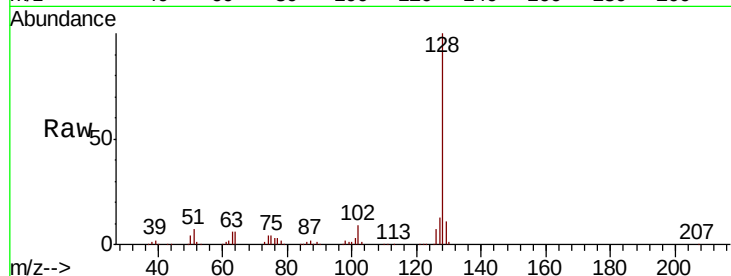




#95
Naphthalene
Concen: 19.148 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Instrument :
MSVOA_X
ClientSampleId :
VX1114MBSD02

Tot Ion:128 Resp: 109584
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.432 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005997.D
Acq: 15 Nov 2018 02:20

Tgt Ion:180 Resp: 36146
Ion Ratio Lower Upper
180 100
182 96.4 48.0 144.2
145 30.5 15.1 45.3

