

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009860.D
 Acq On : 23 May 2019 15:54
 Operator : JC/SP
 Sample : VX0523WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 24 03:51:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	186447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	299566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98085	38.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.08%	
35) Dibromofluoromethane	5.50	113	69580	36.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.90%	
50) Toluene-d8	8.71	98	286821	37.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.46%	
62) 4-Bromofluorobenzene	11.13	95	102125	36.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.94%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	26924	15.670	ug/l	96
3) Chloromethane	1.32	50	42476	18.108	ug/l	99
4) Vinyl Chloride	1.41	62	39675	17.345	ug/l	98
5) Bromomethane	1.64	94	23978	17.465	ug/l	95
6) Chloroethane	1.72	64	25067	17.069	ug/l	97
7) Trichlorofluoromethane	1.93	101	46991	16.901	ug/l	96
8) Diethyl Ether	2.19	74	22384	16.996	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	28878	16.539	ug/l	100
10) Methyl Iodide	2.51	142	30865	18.410	ug/l	98
11) Tert butyl alcohol	3.05	59	52757	89.547	ug/l	99
12) 1,1-Dichloroethene	2.37	96	29351	16.778	ug/l	98
13) Acrolein	2.29	56	37254	69.822	ug/l	100
14) Allyl chloride	2.73	41	72814	17.079	ug/l	98
15) Acrylonitrile	3.14	53	125627	87.209	ug/l	100
16) Acetone	2.45	43	115028	84.166	ug/l	97
17) Carbon Disulfide	2.57	76	83654	17.032	ug/l	99
18) Methyl Acetate	2.78	43	54577	16.792	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	114675	16.880	ug/l	100
20) Methylene Chloride	2.85	84	36362	16.432	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	32150	16.946	ug/l	99
22) Diisopropyl ether	3.85	45	143870	17.548	ug/l	92
23) Vinyl Acetate	3.81	43	638800	90.987	ug/l	99
24) 1,1-Dichloroethane	3.70	63	67629	16.721	ug/l	99
25) 2-Butanone	4.67	43	187434	88.255	ug/l	96
26) 2,2-Dichloropropane	4.59	77	45238	15.026	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	38224	16.879	ug/l	99
28) Bromochloromethane	5.02	49	32211	18.031	ug/l	95
29) Tetrahydrofuran	5.13	42	125130	91.560	ug/l	97
30) Chloroform	5.21	83	61972	16.941	ug/l	98
31) Cyclohexane	5.58	56	65490	17.404	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	51510	16.915	ug/l	98
36) 1,1-Dichloropropene	5.80	75	46702	16.776	ug/l	100
37) Ethyl Acetate	4.84	43	70936	18.288	ug/l	99
38) Carbon Tetrachloride	5.79	117	41077	16.240	ug/l	99

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 Sample : VX0523WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 24 03:51:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	58111	16.997	ug/l	97
40) Benzene	6.14	78	145524	16.891	ug/l	98
41) Methacrylonitrile	5.04	41	40095	17.365	ug/l	98
42) 1,2-Dichloroethane	6.20	62	54561	17.654	ug/l	99
43) Isopropyl Acetate	6.45	43	109867	17.708	ug/l	99
44) Trichloroethene	7.21	130	33875	16.264	ug/l	95
45) 1,2-Dichloropropane	7.51	63	42018	17.223	ug/l	99
46) Dibromomethane	7.66	93	23508	16.593	ug/l	99
47) Bromodichloromethane	7.90	83	46010	16.281	ug/l	99
48) Methyl methacrylate	7.77	41	55566	18.052	ug/l	97
49) 1,4-Dioxane	7.74	88	20830	333.685	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	372524	91.861	ug/l	98
52) Toluene	8.79	92	89169	17.026	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	52565	16.475	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	58590	16.591	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	35117	16.435	ug/l	96
56) Ethyl methacrylate	9.18	69	64892	17.014	ug/l	95
57) 1,3-Dichloropropane	9.37	76	64163	17.065	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	173413	85.706	ug/l	99
59) 2-Hexanone	9.49	43	287696	90.329	ug/l	97
60) Dibromochloromethane	9.58	129	34271	16.422	ug/l	99
61) 1,2-Dibromoethane	9.67	107	36457	16.903	ug/l	100
64) Tetrachloroethene	9.34	164	32162	17.302	ug/l	97
65) Chlorobenzene	10.14	112	91233	16.830	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	32600	16.588	ug/l	99
67) Ethyl Benzene	10.25	91	169589	16.999	ug/l	100
68) m/p-Xylenes	10.36	106	123676	33.924	ug/l	97
69) o-Xylene	10.69	106	59871	16.645	ug/l	98
70) Styrene	10.71	104	103663	16.581	ug/l	98
71) Bromoform	10.85	173	25281	15.829	ug/l #	100
73) Isopropylbenzene	11.02	105	159794	16.958	ug/l	100
74) N-amyl acetate	10.90	43	98016	17.842	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	60027	17.088	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	67664	22.511	ug/l	82
77) Bromobenzene	11.26	156	39644	16.950	ug/l	99
78) n-propylbenzene	11.36	91	186269	17.309	ug/l	100
79) 2-Chlorotoluene	11.42	91	111063	16.728	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	137355	17.312	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18308	15.584	ug/l	92
82) 4-Chlorotoluene	11.51	91	127343	16.978	ug/l	100
83) tert-Butylbenzene	11.77	119	128915	16.702	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	138811	17.430	ug/l	99
85) sec-Butylbenzene	11.94	105	156184	17.068	ug/l	99
86) p-Isopropyltoluene	12.06	119	139335	16.938	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	69845	16.752	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	70716	16.823	ug/l	99
89) n-Butylbenzene	12.38	91	124917	16.801	ug/l	100
90) Hexachloroethane	12.60	117	22638	16.153	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	69851	16.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13999	17.765	ug/l	91

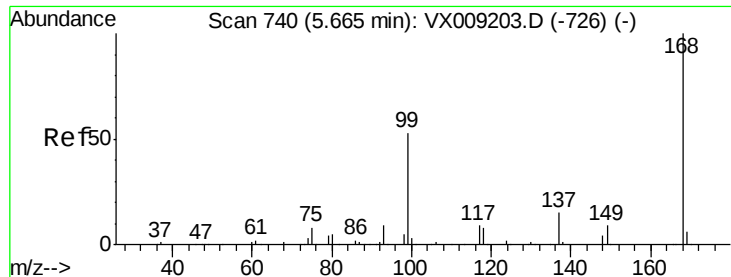
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
Data File : VX009860.D
Acq On : 23 May 2019 15:54
Operator : JC/SP
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Instrument :
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ClientSampleId :

Quant Time: May 24 03:51:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	48701	16.770	ug/l	99
94) Hexachlorobutadiene	13.78	225	24900	16.791	ug/l	99
95) Naphthalene	13.83	128	156464	16.560	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	48197	16.373	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

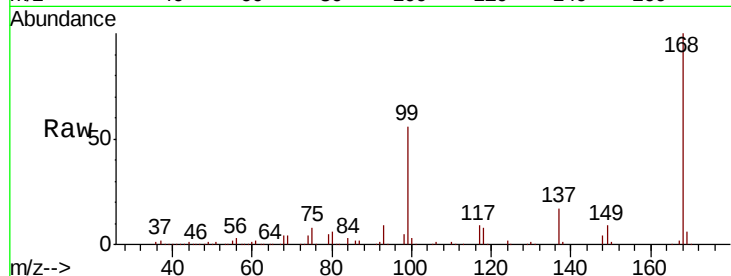
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 186447

Ion Ratio Lower Upper

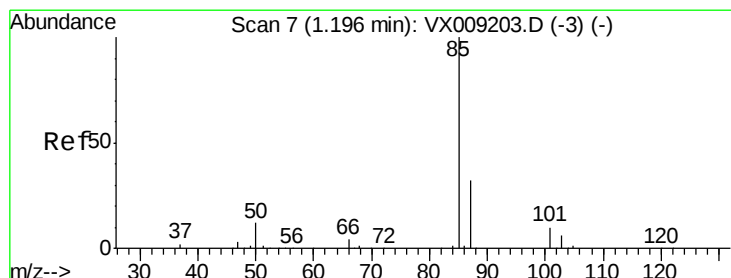
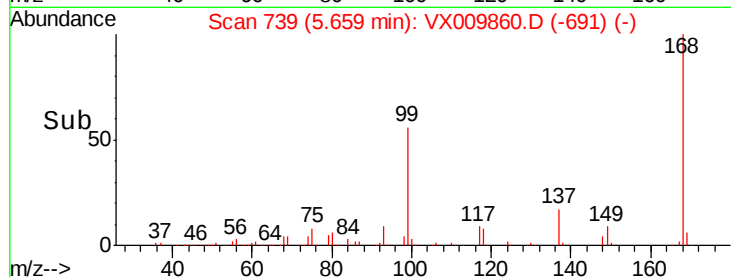
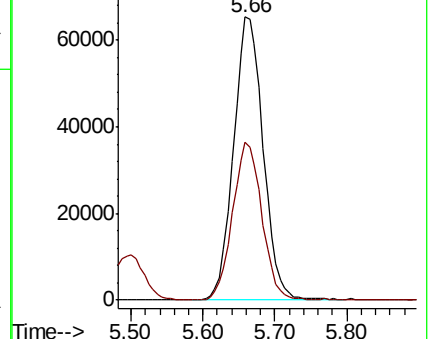
168 100

99 55.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 15.670 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009860.D

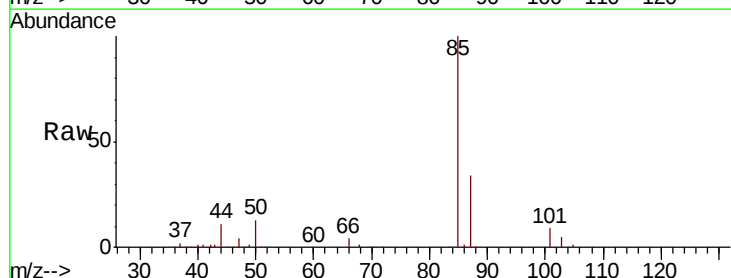
Acq: 23 May 2019 15:54

Tgt Ion: 85 Resp: 26924

Ion Ratio Lower Upper

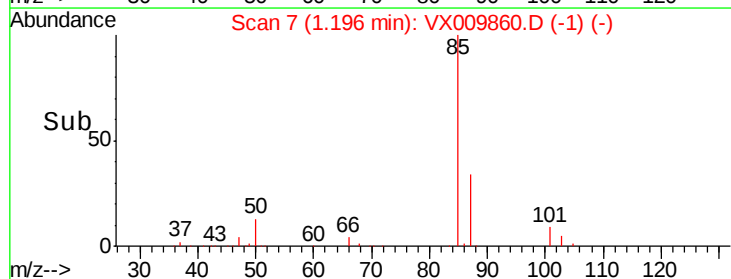
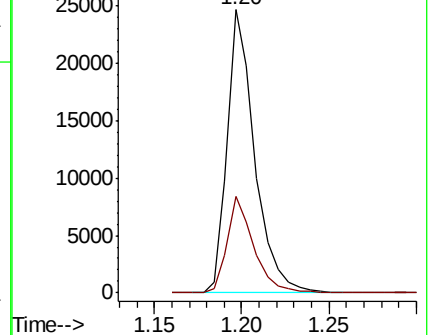
85 100

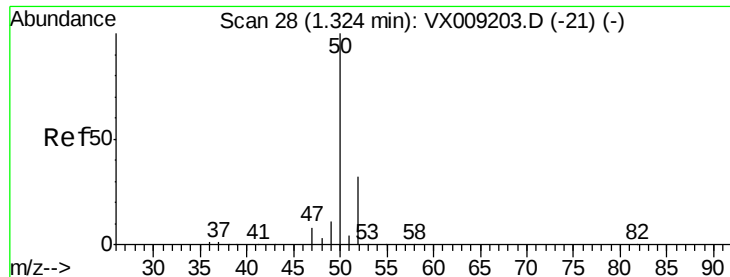
87 34.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.108 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

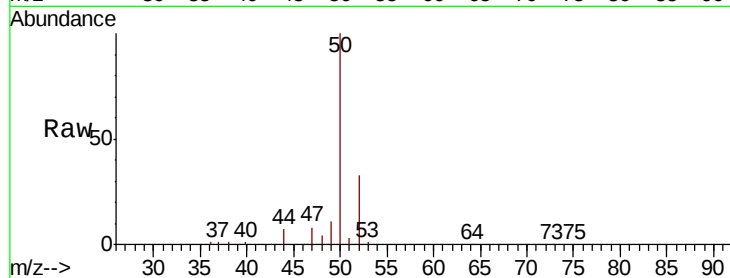
ClientSampleId :

Tot Ion: 50 Resp: 42476

Ion Ratio Lower Upper

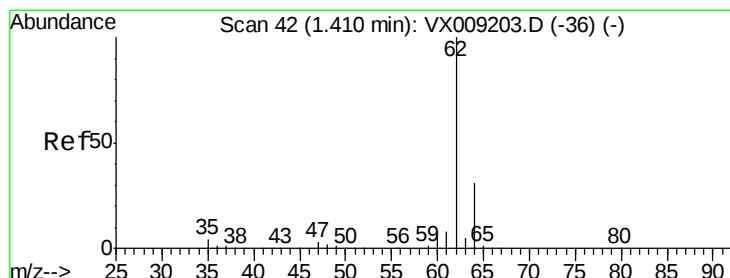
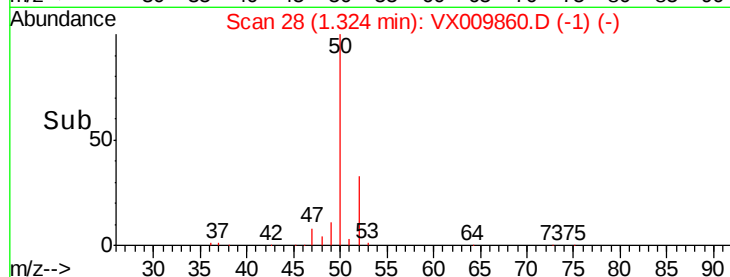
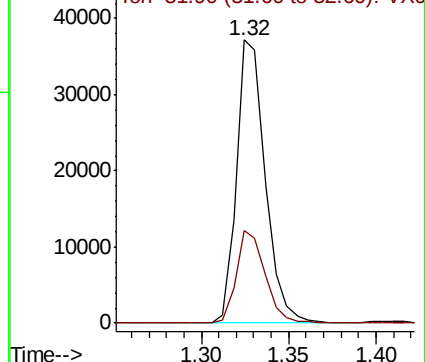
50 100

52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.345 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009860.D

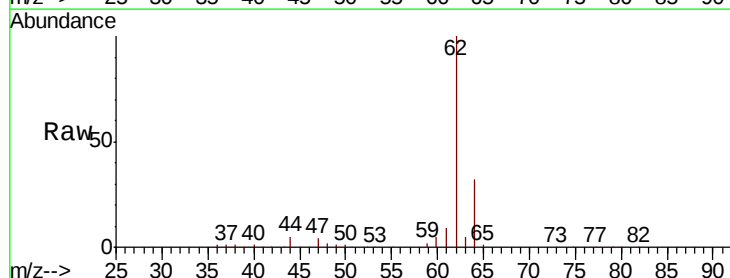
Acq: 23 May 2019 15:54

Tgt Ion: 62 Resp: 39675

Ion Ratio Lower Upper

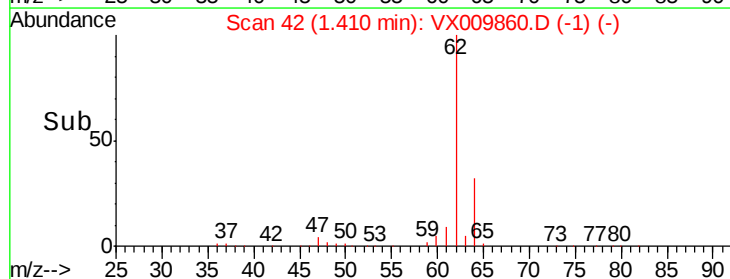
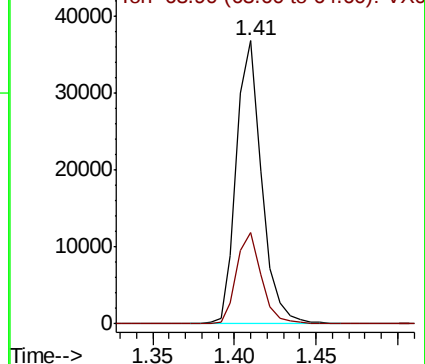
62 100

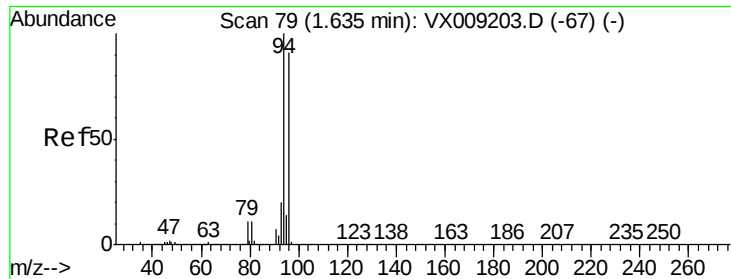
64 31.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.465 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

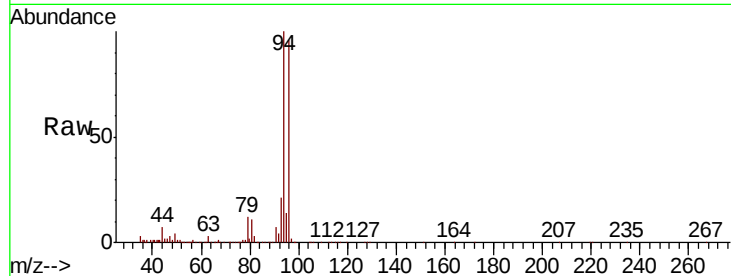
ClientSampled :

Tot Ion: 94 Resp: 23978

Ion Ratio Lower Upper

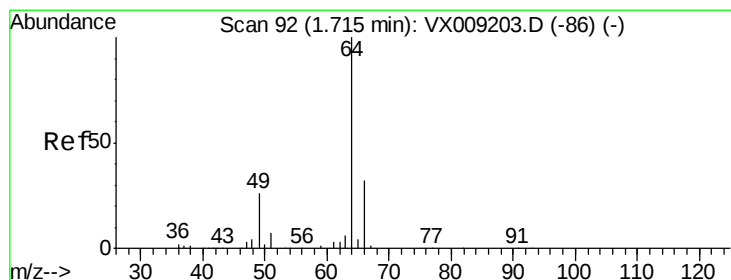
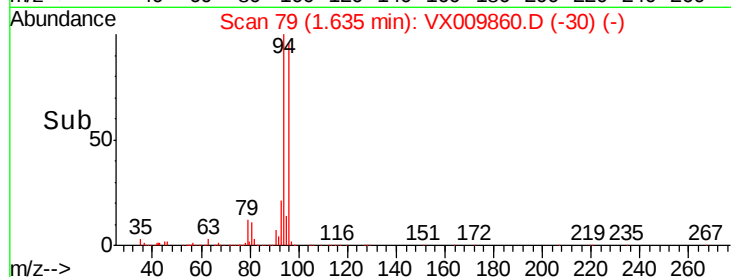
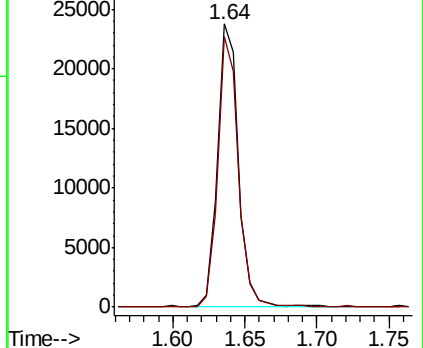
94 100

96 95.9 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.069 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009860.D

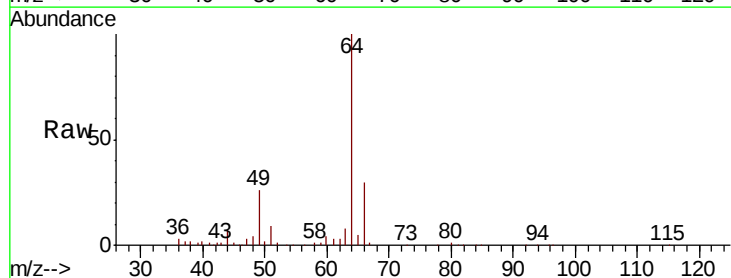
Acq: 23 May 2019 15:54

Tgt Ion: 64 Resp: 25067

Ion Ratio Lower Upper

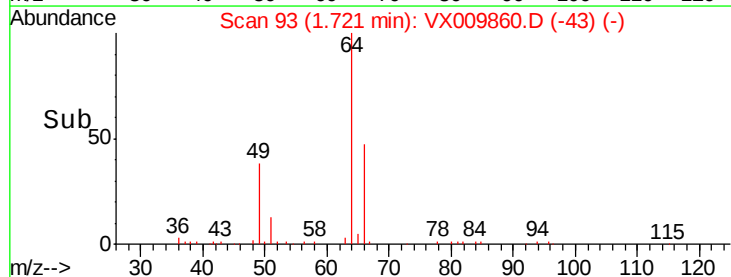
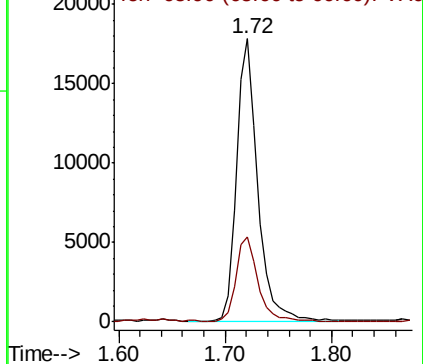
64 100

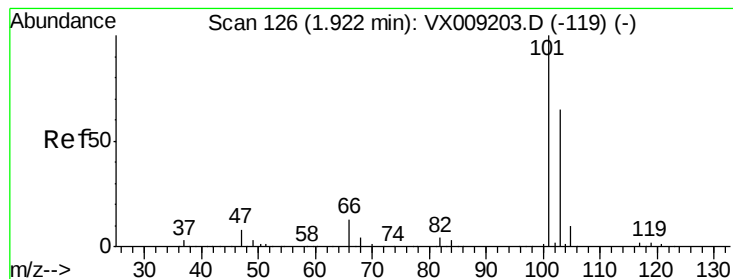
66 29.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



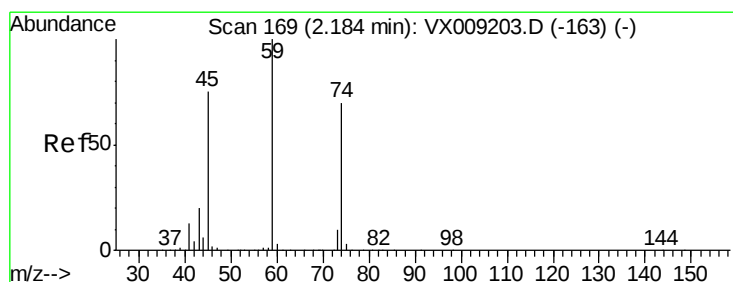
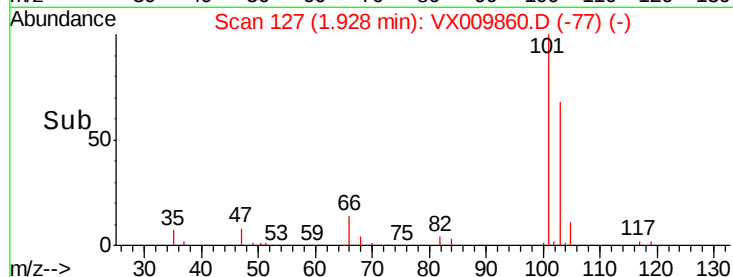
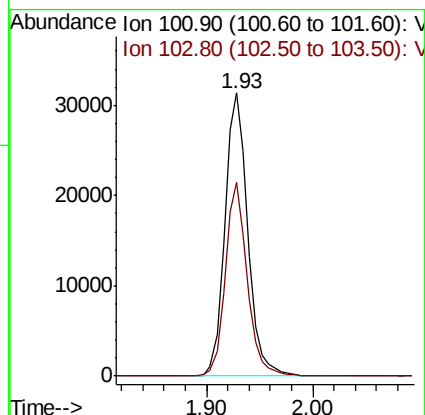
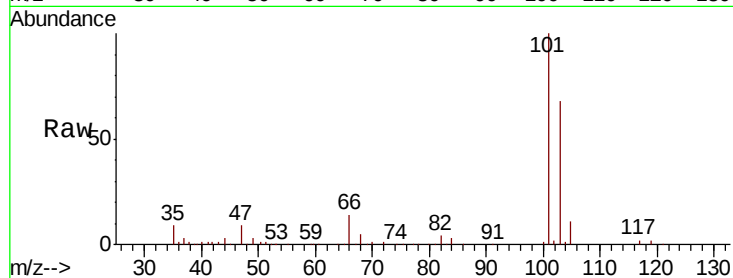


#7

Trichlorofluoromethane
Concen: 16.901 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

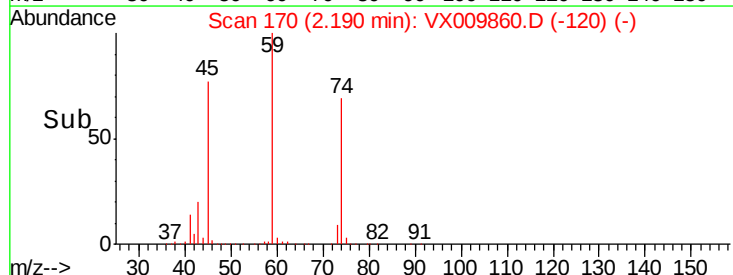
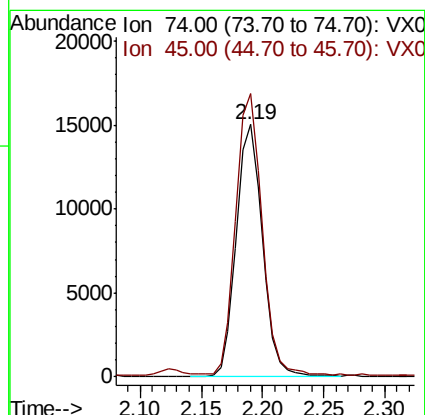
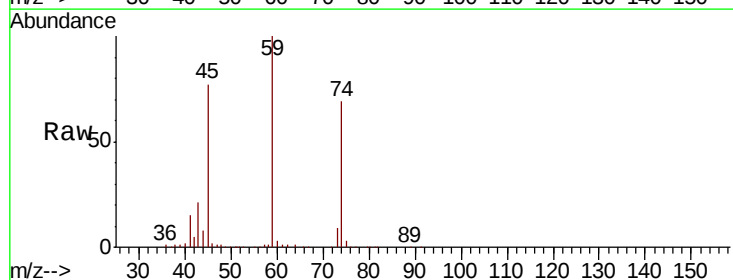
Tot Ion:101 Resp: 46991
Ion Ratio Lower Upper
101 100
103 68.3 52.4 78.6



#8

Diethyl Ether
Concen: 16.996 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 74 Resp: 22384
Ion Ratio Lower Upper
74 100
45 110.1 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.539 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

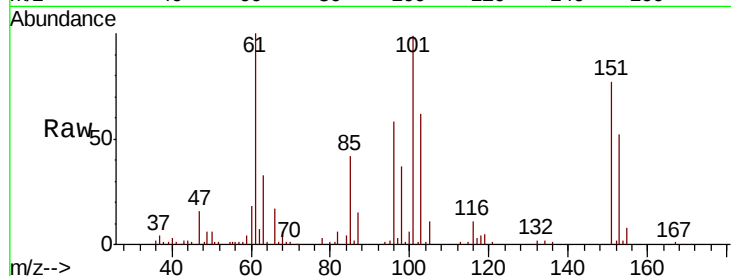
Tot Ion:101 Resp: 28878

Ion Ratio Lower Upper

101 100

85 44.7 35.7 53.5

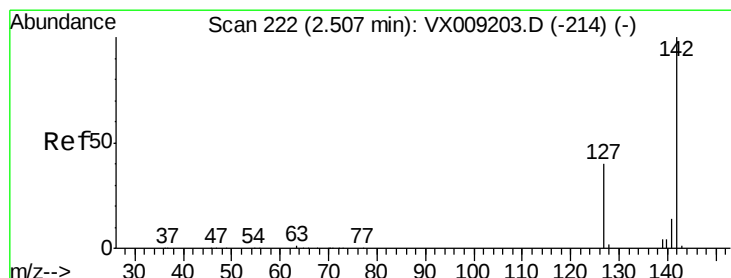
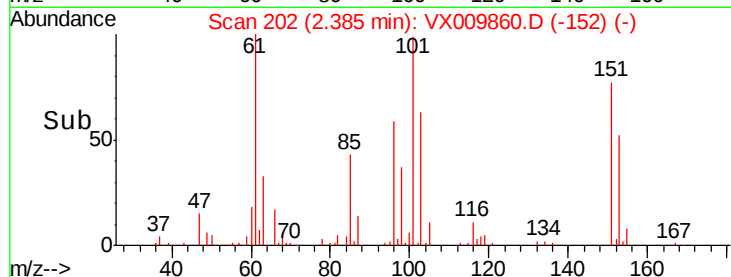
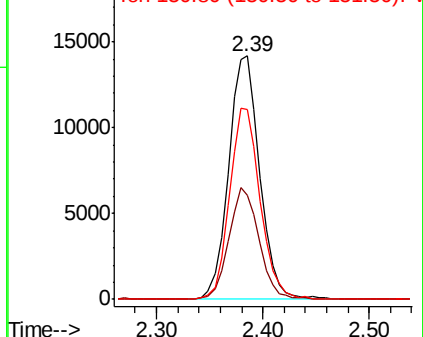
151 77.6 62.2 93.2



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: 18.410 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

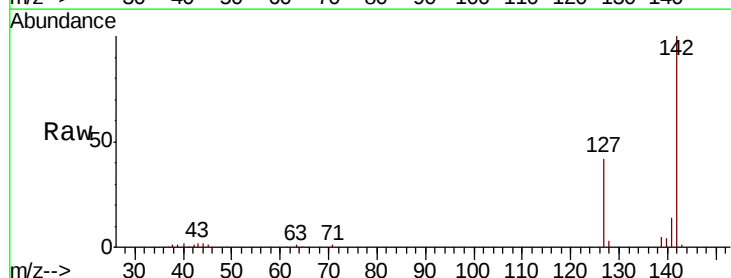
Tgt Ion:142 Resp: 30865

Ion Ratio Lower Upper

142 100

127 42.4 32.7 49.1

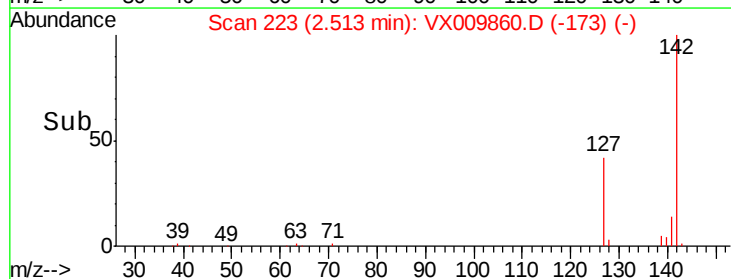
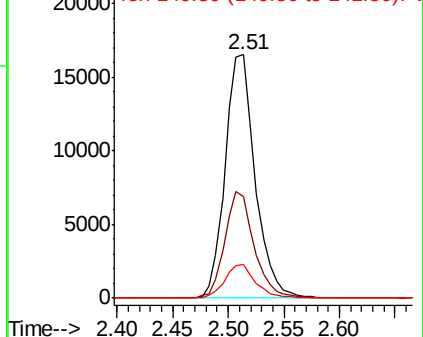
141 13.9 11.5 17.3

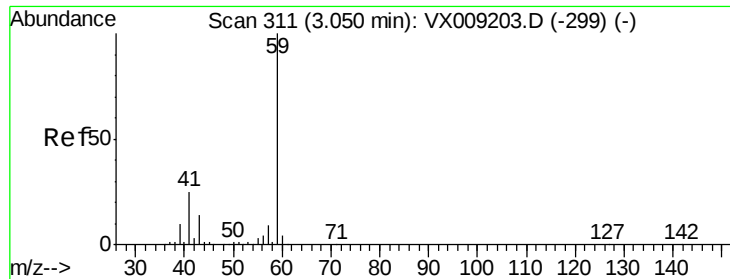


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

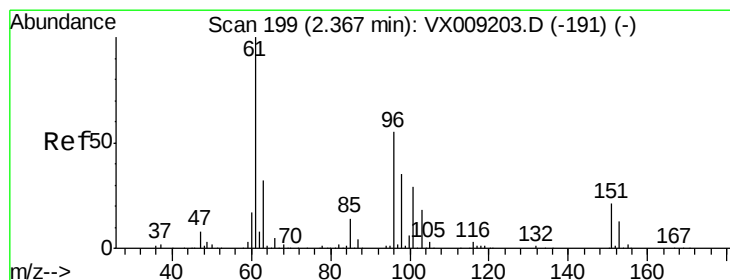
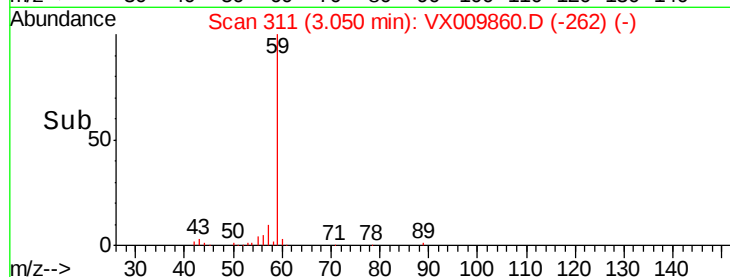
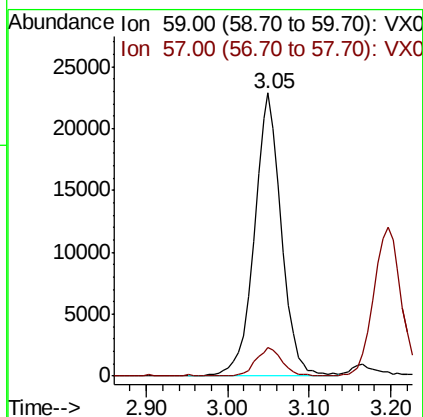
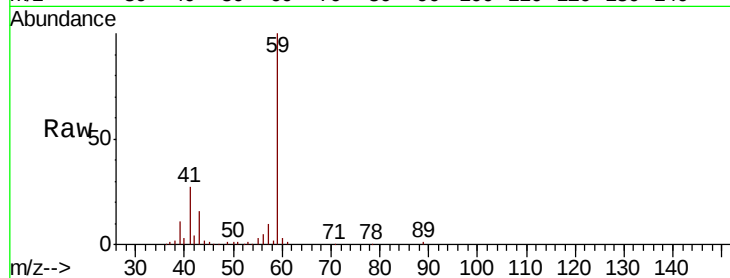




#11
Tert butyl alcohol
Concen: 89.547 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

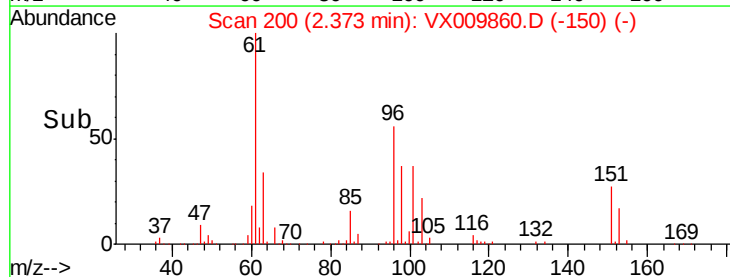
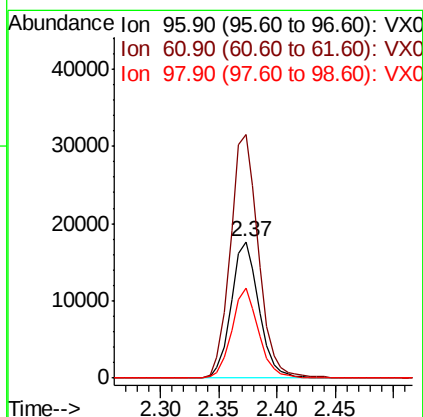
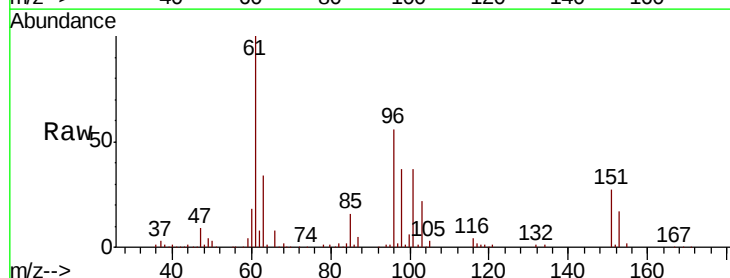
Instrument :
MSVOA_X
ClientSampled :

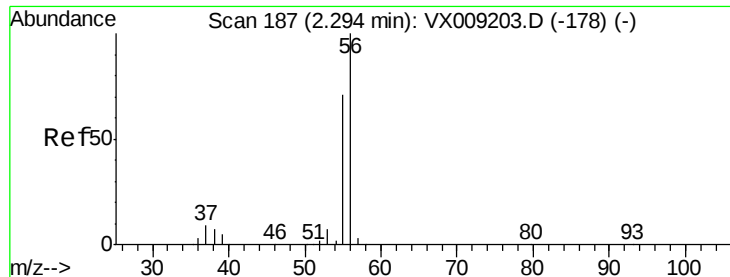
Tot Ion: 59 Resp: 52757
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 16.778 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 96 Resp: 29351
Ion Ratio Lower Upper
96 100
61 178.7 144.3 216.5
98 66.0 50.3 75.5





#13

Acrolein

Concen: 69.822 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

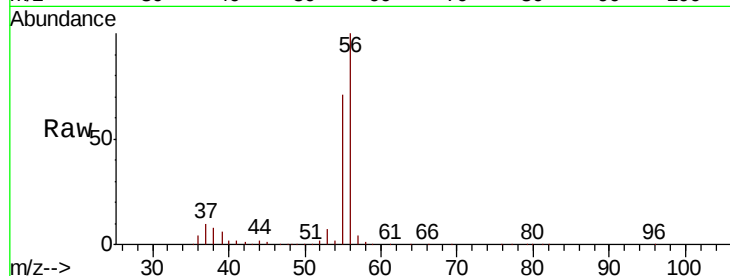
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 37254

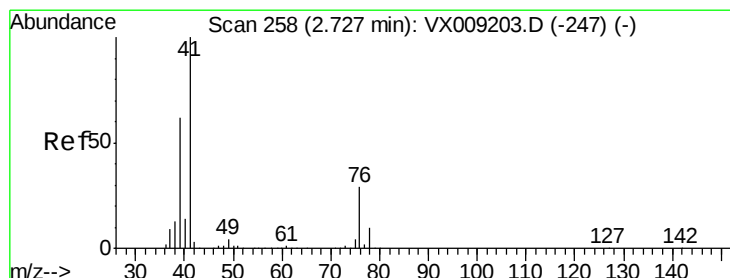
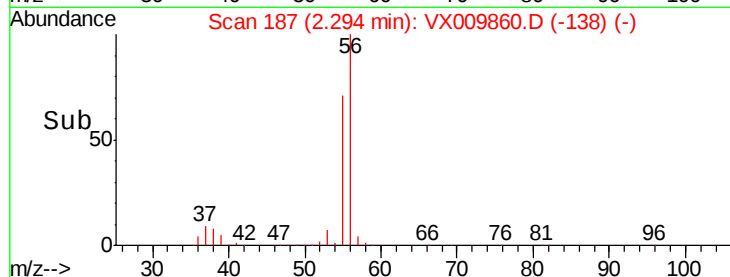
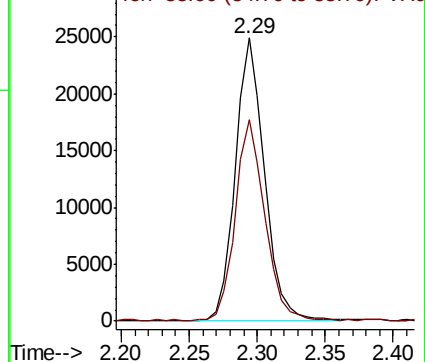
Ion Ratio Lower Upper

56 100

55 71.0 56.6 85.0



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



#14

Allyl chloride

Concen: 17.079 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

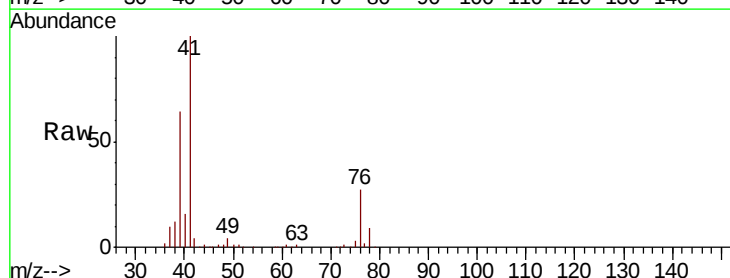
Tgt Ion: 41 Resp: 72814

Ion Ratio Lower Upper

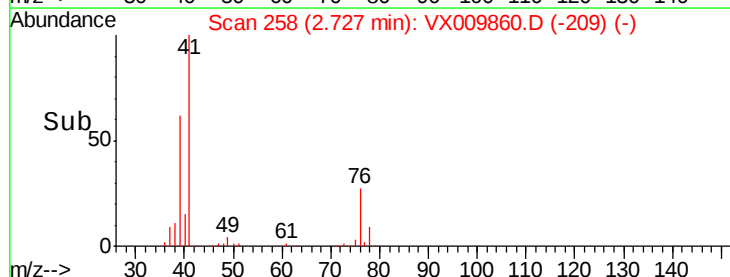
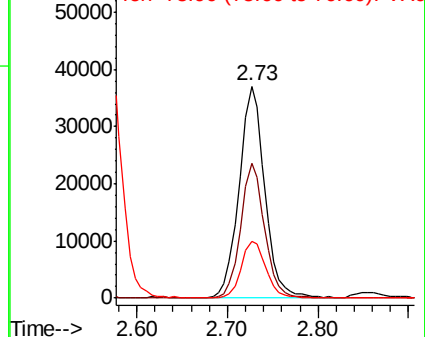
41 100

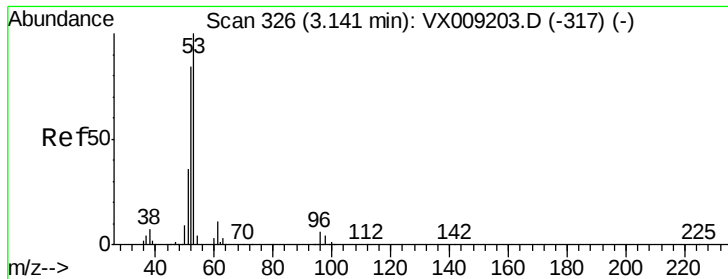
39 59.7 46.7 70.1

76 25.9 21.8 32.8



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





#15

Acrylonitrile

Concen: 87.209 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

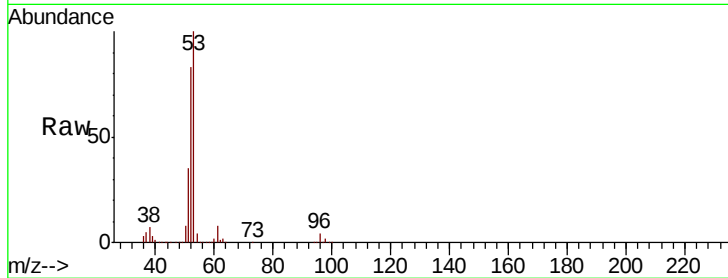
Tot Ion: 53 Resp: 125627

Ion Ratio Lower Upper

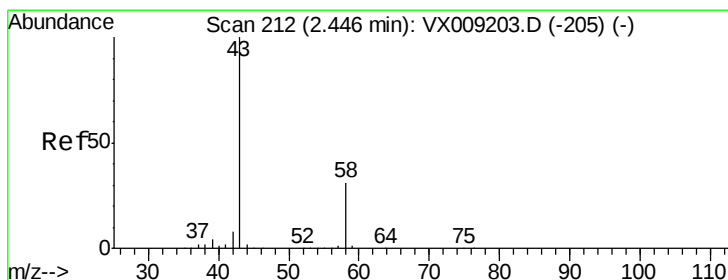
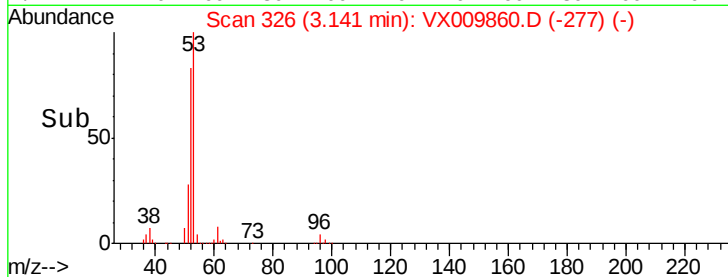
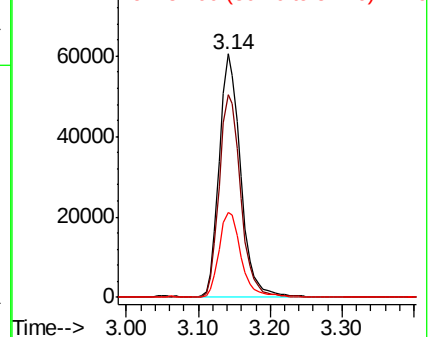
53 100

52 83.5 66.9 100.3

51 35.7 28.2 42.2



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: 84.166 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009860.D

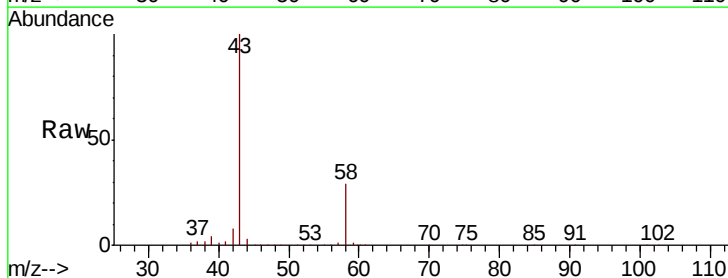
Acq: 23 May 2019 15:54

Tgt Ion: 43 Resp: 115028

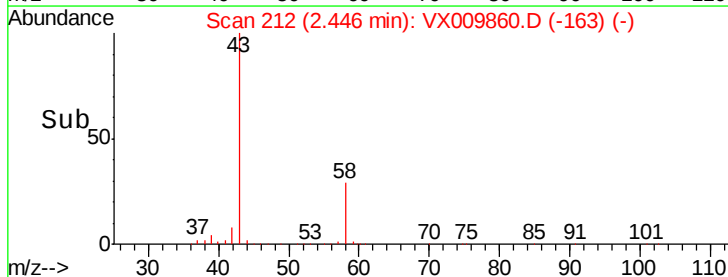
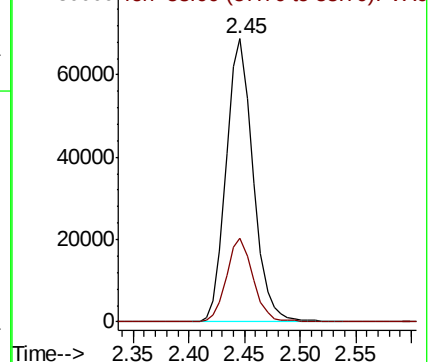
Ion Ratio Lower Upper

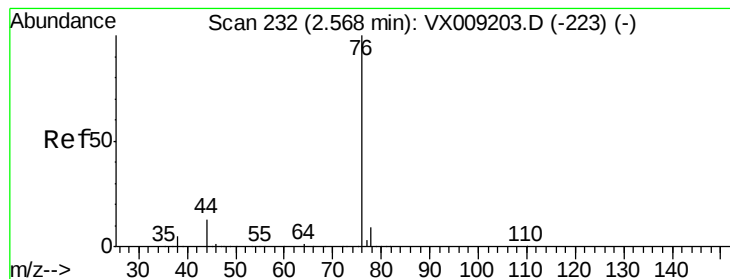
43 100

58 29.3 24.9 37.3



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





#17

Carbon Disulfide

Concen: 17.032 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

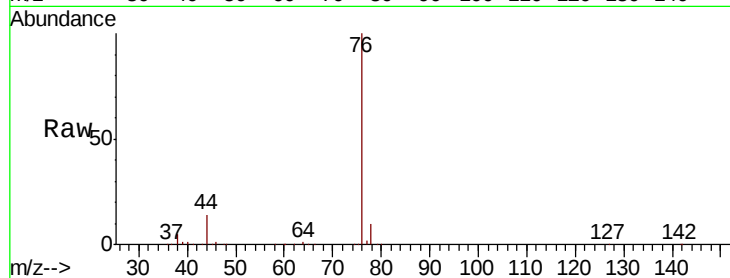
ClientSampled :

Tot Ion: 76 Resp: 83654

Ion Ratio Lower Upper

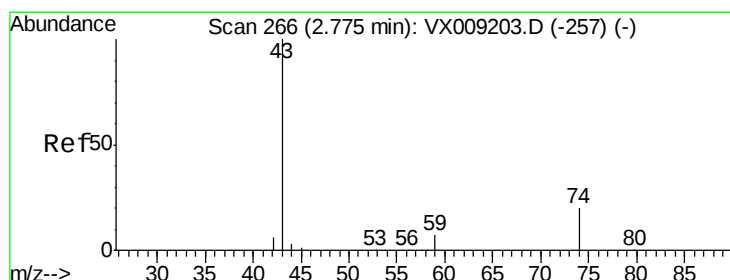
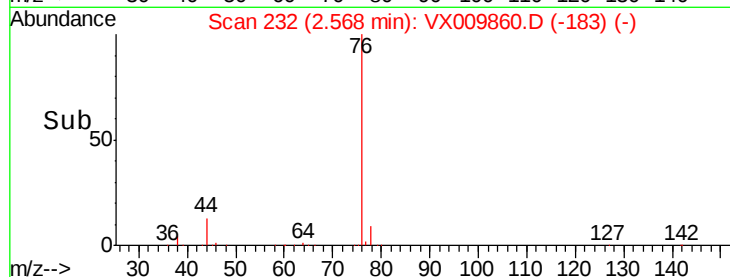
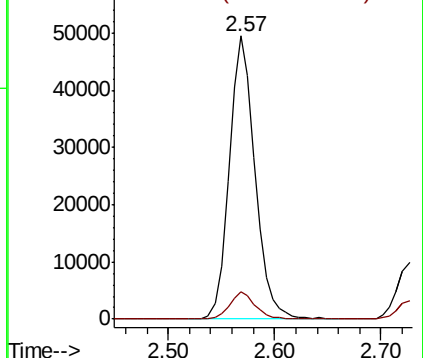
76 100

78 9.6 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 16.792 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009860.D

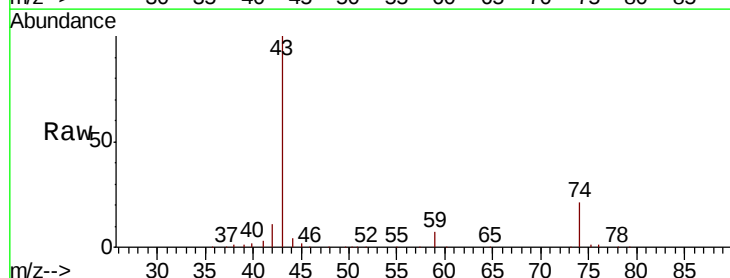
Acq: 23 May 2019 15:54

Tgt Ion: 43 Resp: 54577

Ion Ratio Lower Upper

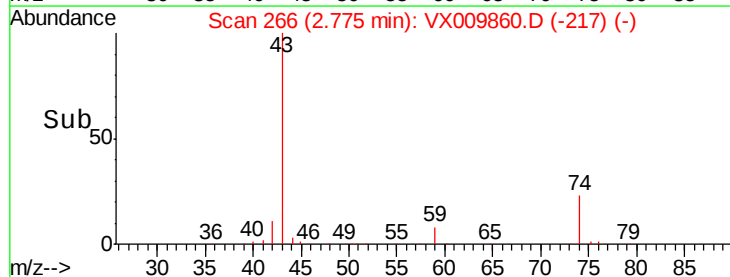
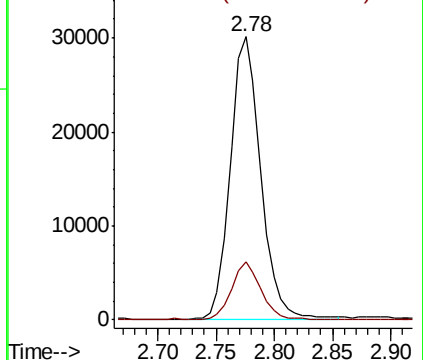
43 100

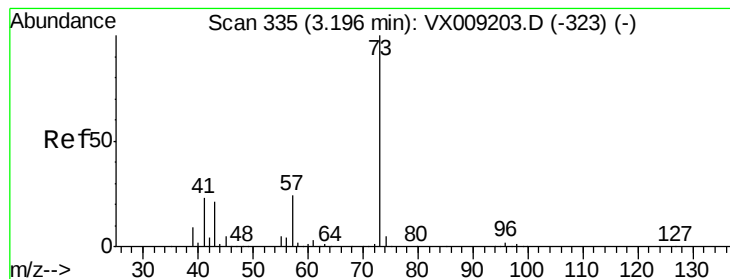
74 20.2 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



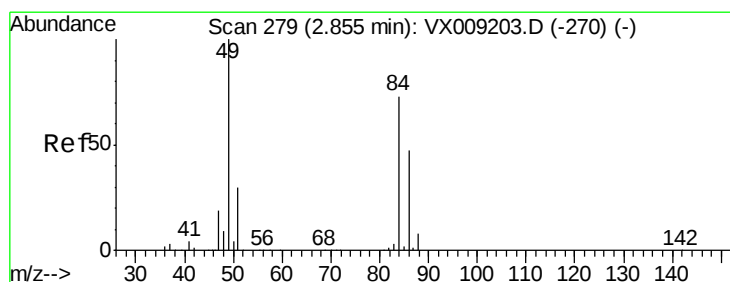
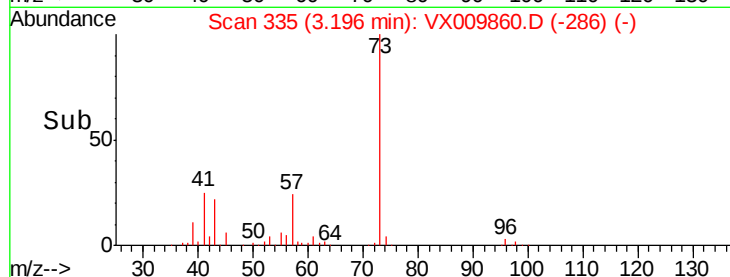
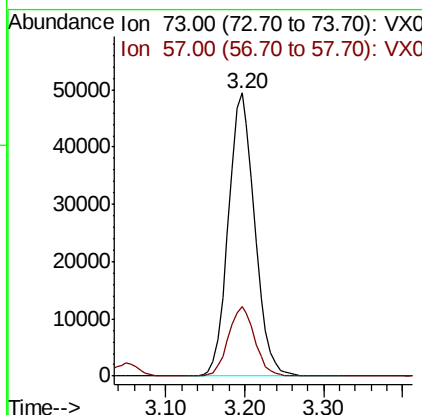
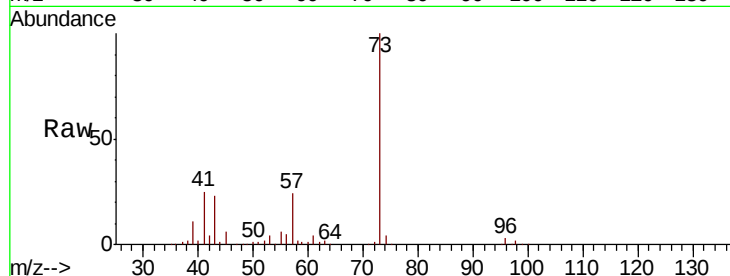


#19

Methyl tert-butyl Ether
 Concen: 16.880 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampled :

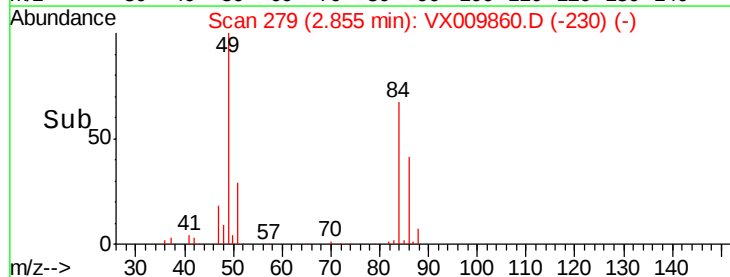
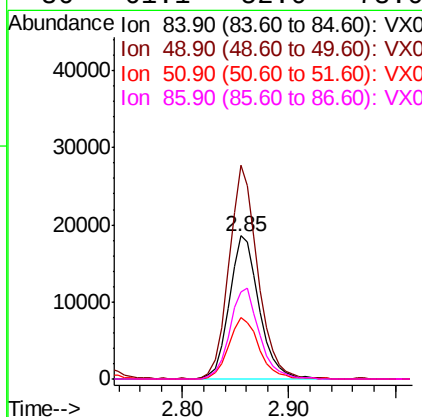
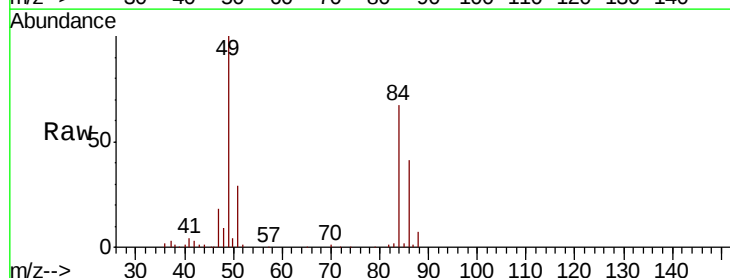
Tot Ion: 73 Resp: 114675
 Ion Ratio Lower Upper
 73 100
 57 24.3 19.3 28.9



#20

Methylene Chloride
 Concen: 16.432 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion: 84 Resp: 36362
 Ion Ratio Lower Upper
 84 100
 49 148.9 109.9 164.9
 51 43.1 32.7 49.1
 86 61.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 16.946 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

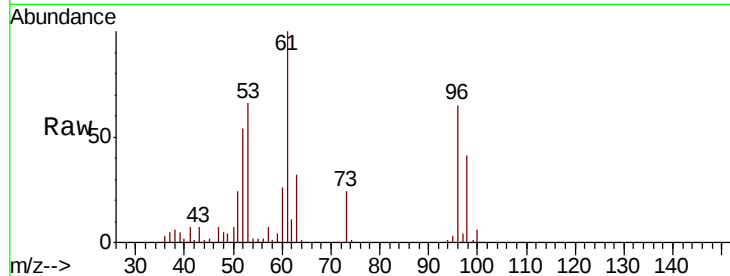
Tot Ion: 96 Resp: 32150

Ion Ratio Lower Upper

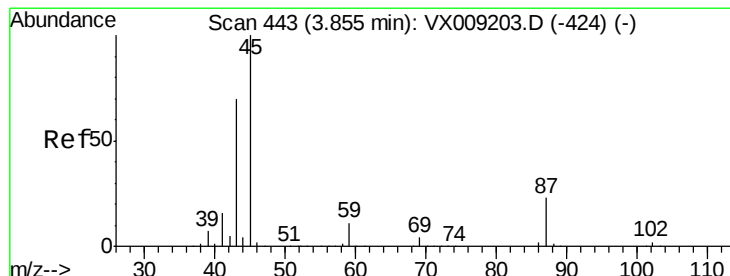
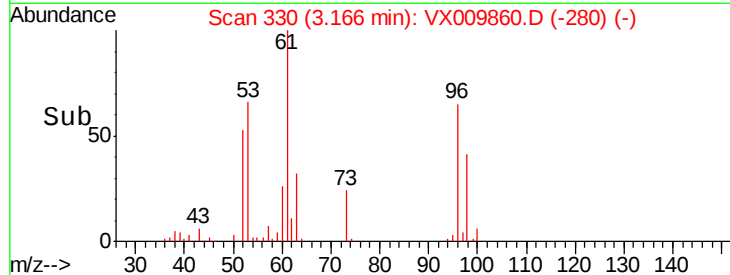
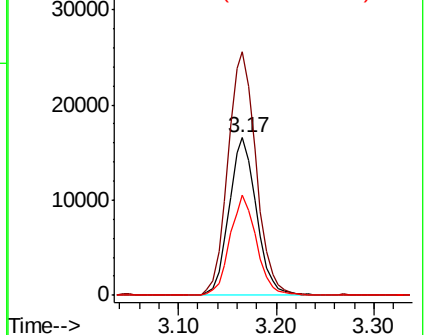
96 100

61 154.5 124.5 186.7

98 63.4 50.4 75.6



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: 17.548 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion: 45 Resp: 143870

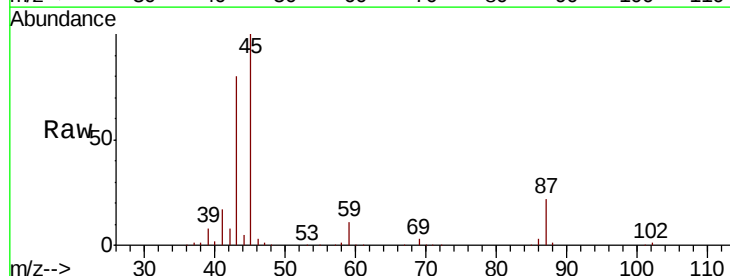
Ion Ratio Lower Upper

45 100

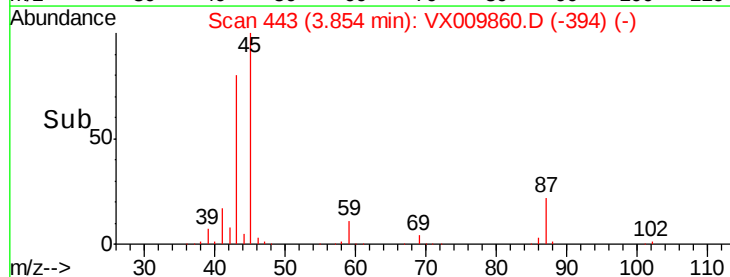
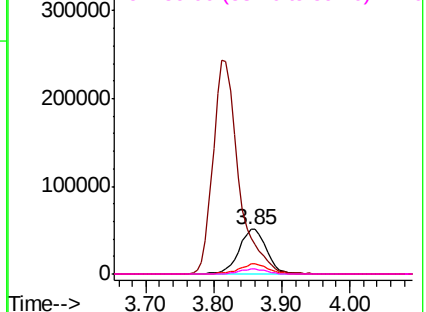
43 79.3 56.1 84.1

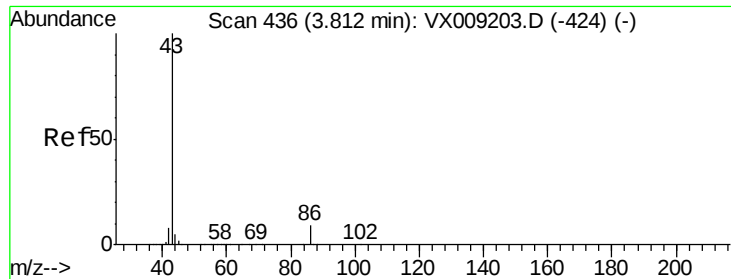
87 21.6 18.1 27.1

59 11.4 8.5 12.7



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: 90.987 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

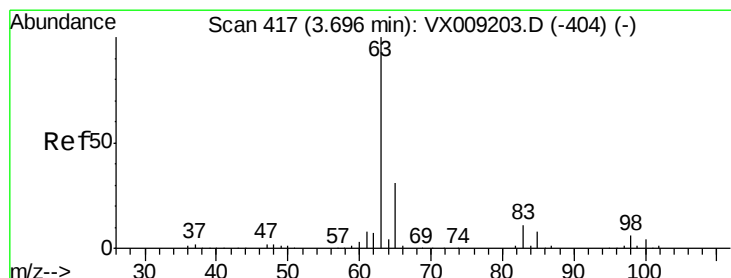
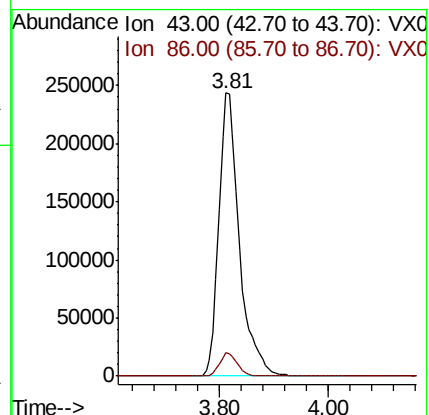
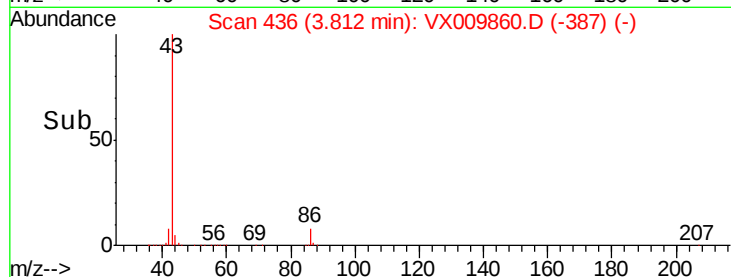
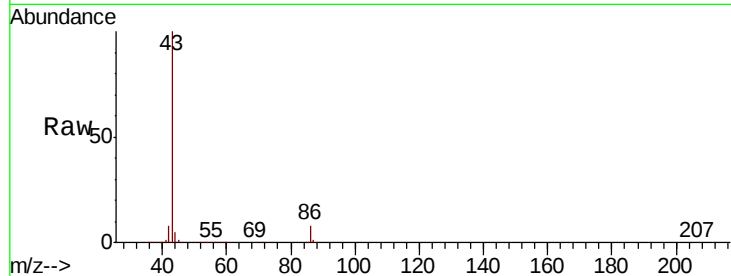
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 638800

Ion Ratio Lower Upper

43 100

86 8.2 6.9 10.3



#24

1,1-Dichloroethane

Concen: 16.721 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

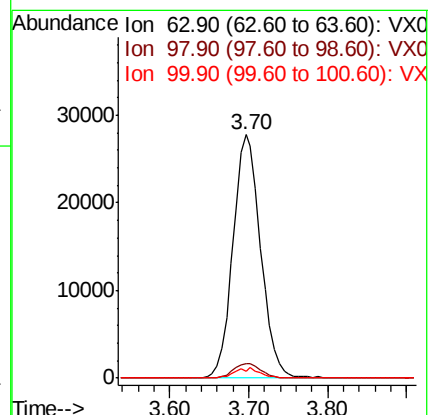
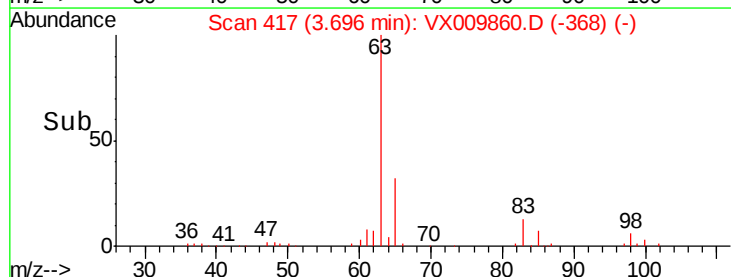
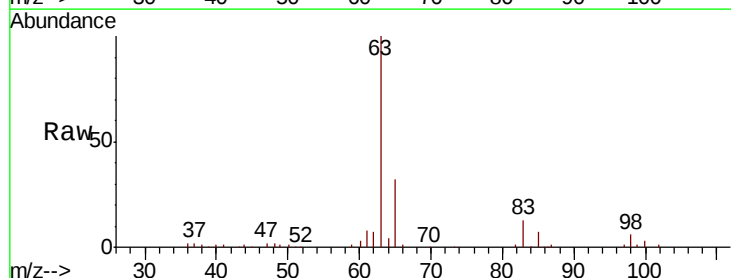
Tgt Ion: 63 Resp: 67629

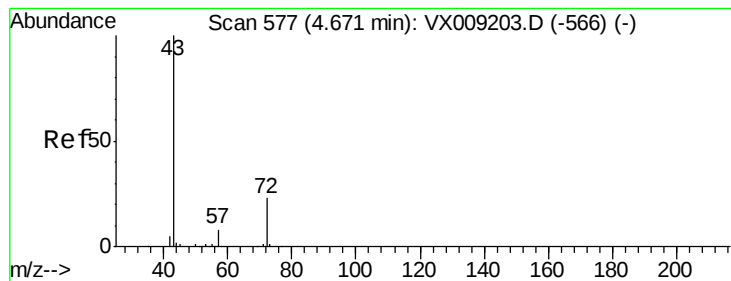
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.0 2.0 6.0





#25

2-Butanone

Concen: 88.255 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

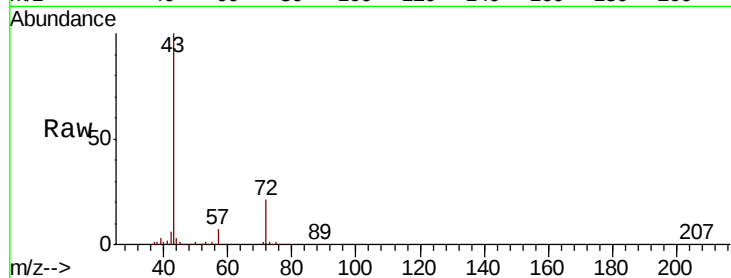
ClientSampleId :

Tot Ion: 43 Resp: 187434

Ion Ratio Lower Upper

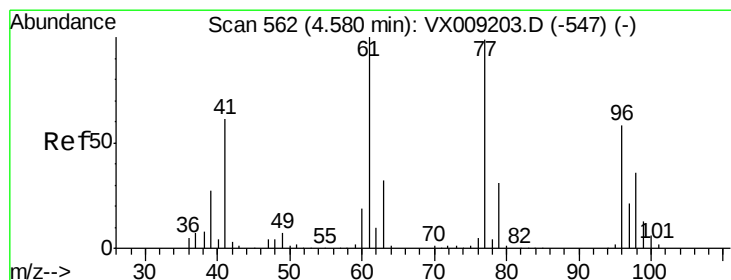
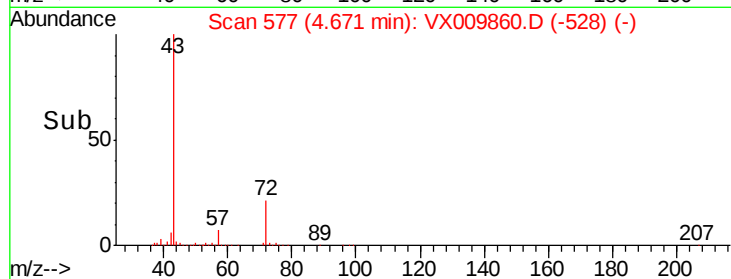
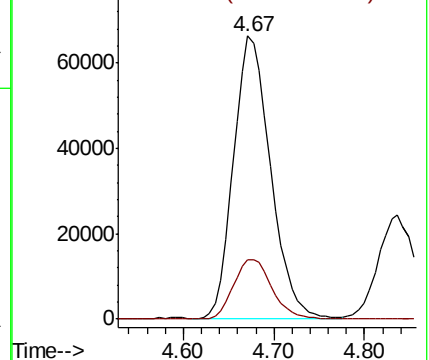
43 100

72 21.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.026 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009860.D

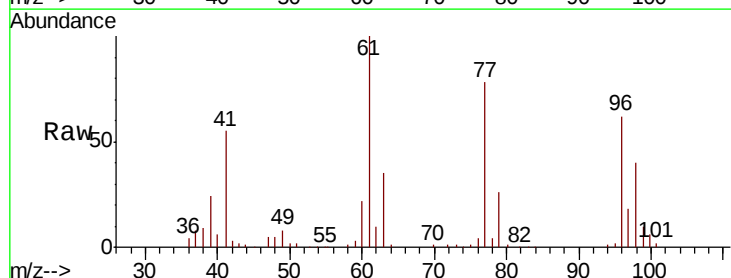
Acq: 23 May 2019 15:54

Tgt Ion: 77 Resp: 45238

Ion Ratio Lower Upper

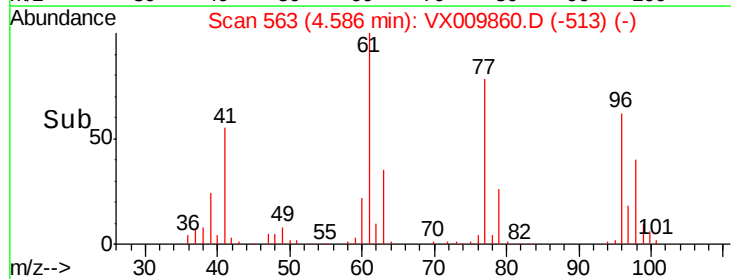
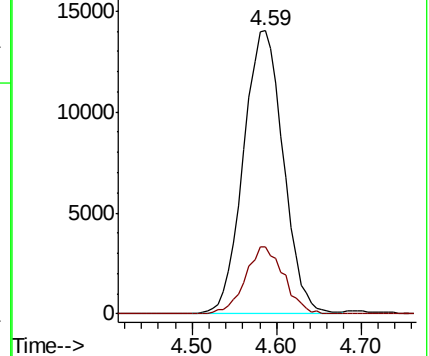
77 100

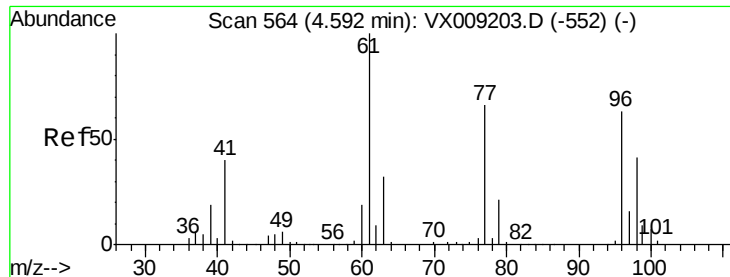
97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



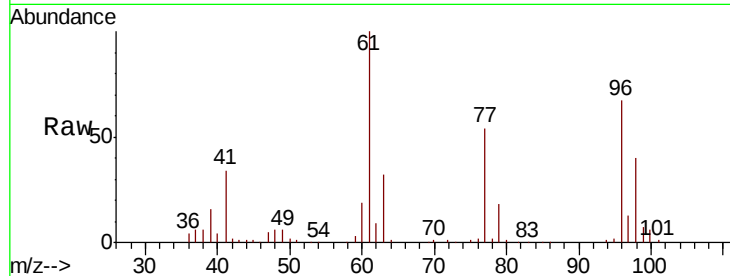


#27

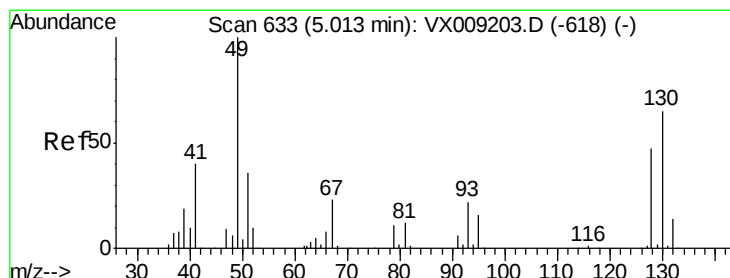
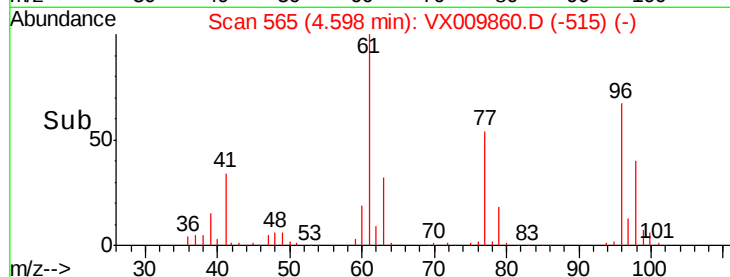
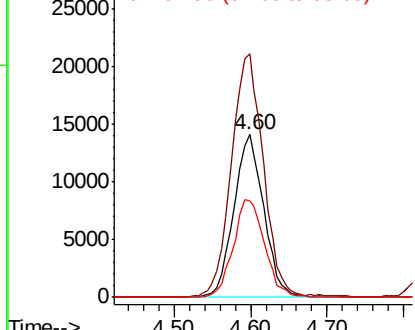
cis-1,2-Dichloroethene
Concen: 16.879 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 38224
Ion Ratio Lower Upper
96 100
61 161.1 0.0 324.0
98 63.0 0.0 130.4



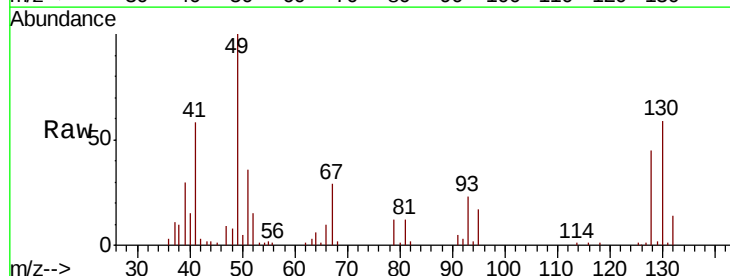
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



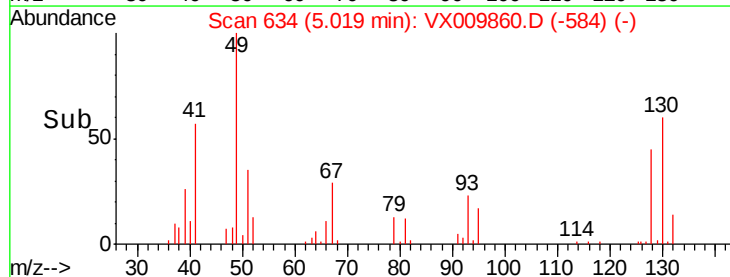
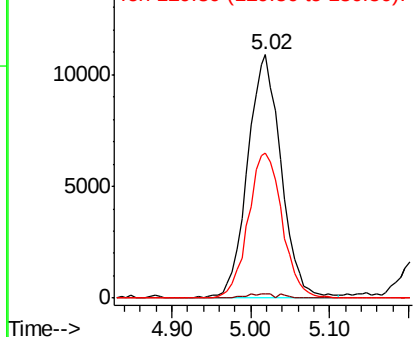
#28

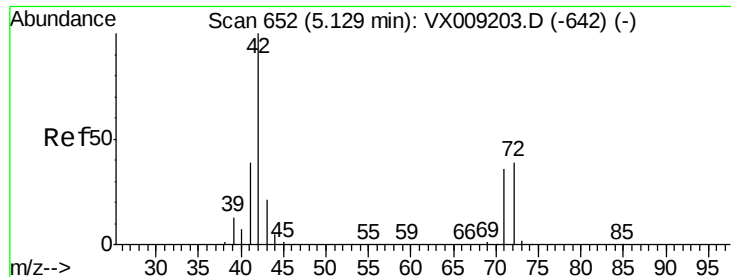
Bromochloromethane
Concen: 18.031 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 49 Resp: 32211
Ion Ratio Lower Upper
49 100
129 1.3 0.0 3.8
130 60.2 51.2 76.8



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

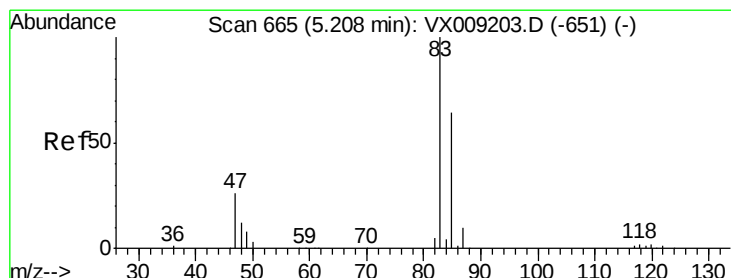
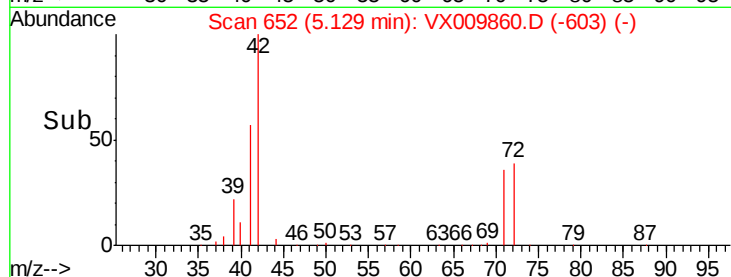
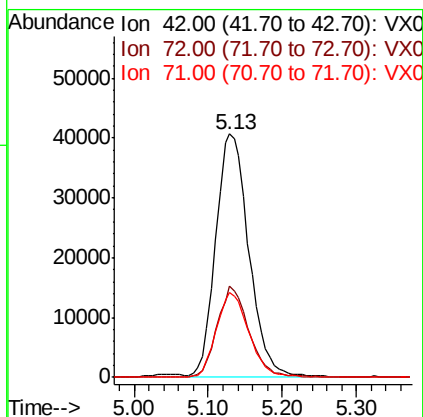
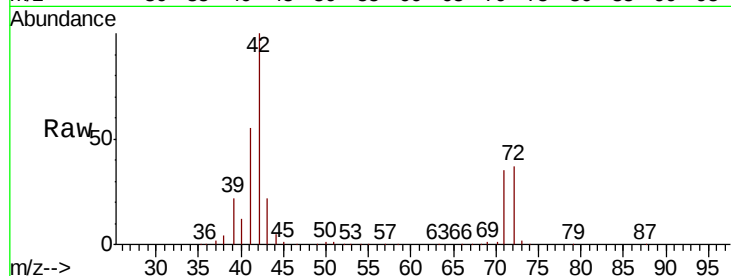




#29
Tetrahydrofuran
Concen: 91.560 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

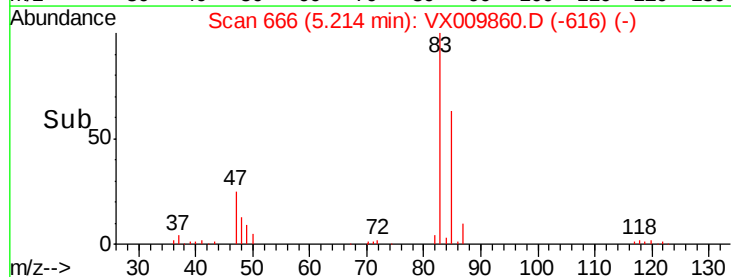
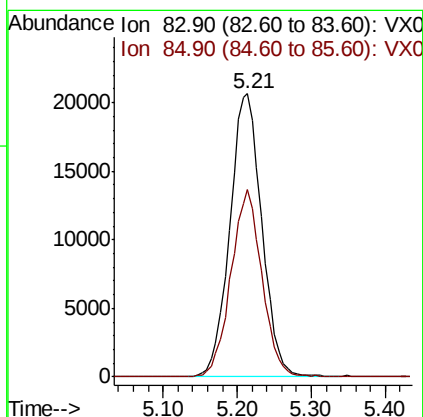
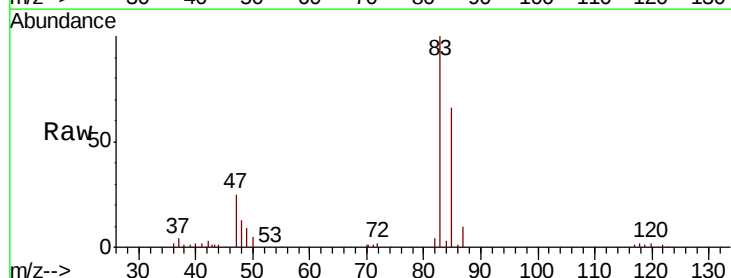
Instrument :
MSVOA_X
ClientSampled :

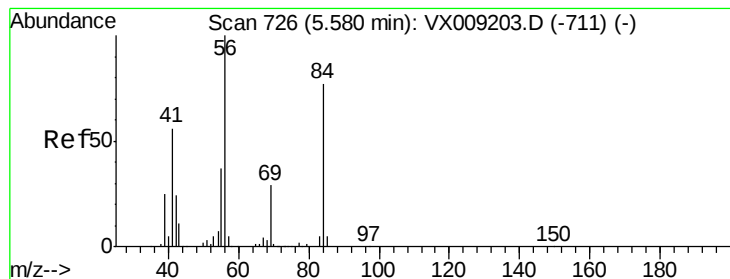
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	30.4	45.6
71	34.5	28.6	43.0



#30
Chloroform
Concen: 16.941 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3





#31

Cyclohexane

Concen: 17.404 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

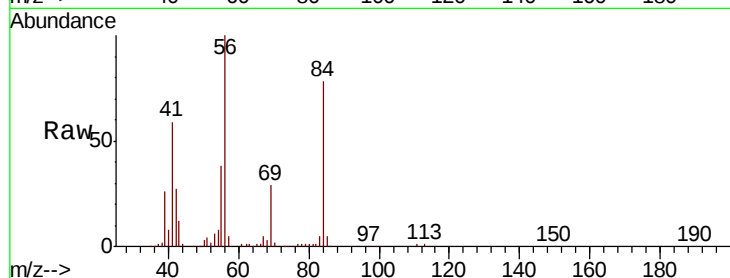
Tot Ion: 56 Resp: 65490

Ion Ratio Lower Upper

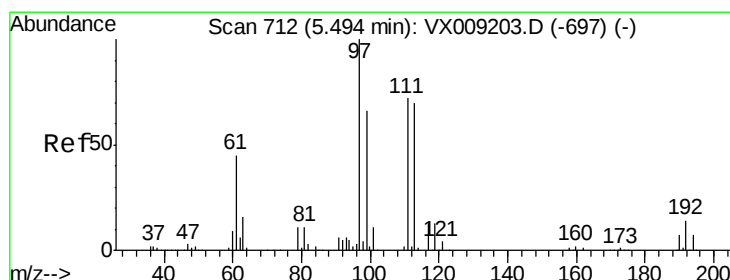
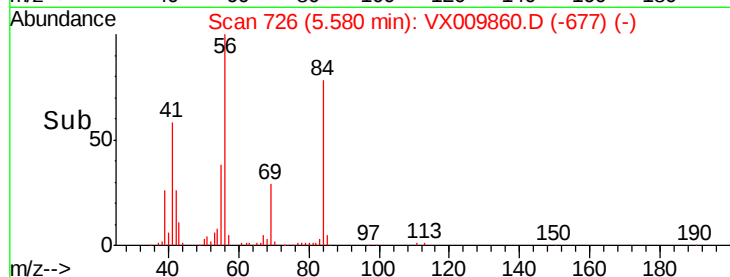
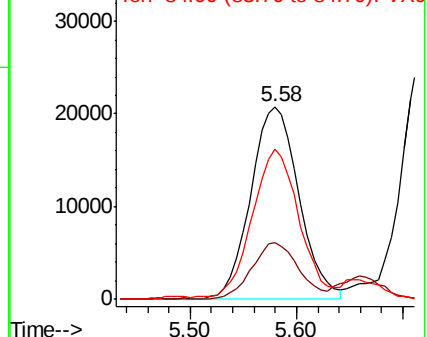
56 100

69 29.3 23.4 35.0

84 76.8 61.9 92.9



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



#32

1,1,1-Trichloroethane

Concen: 16.915 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

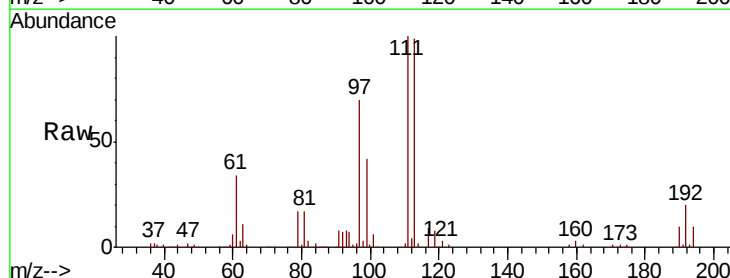
Tgt Ion: 97 Resp: 51510

Ion Ratio Lower Upper

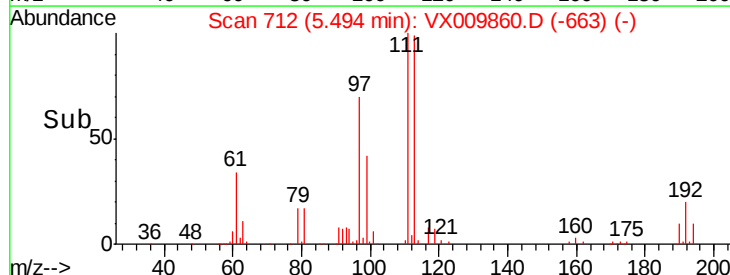
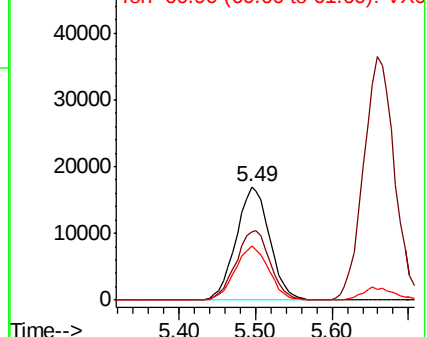
97 100

99 62.7 51.8 77.8

61 48.3 37.8 56.8



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

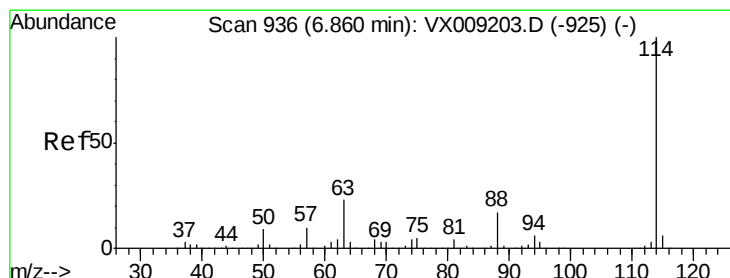
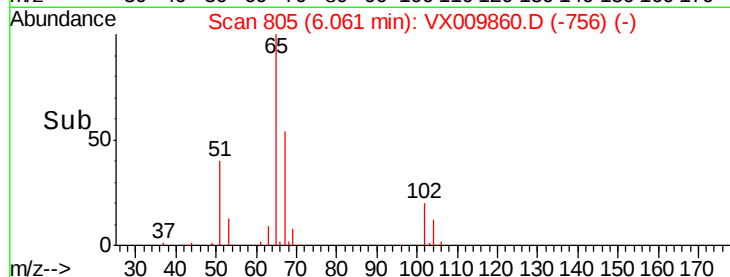
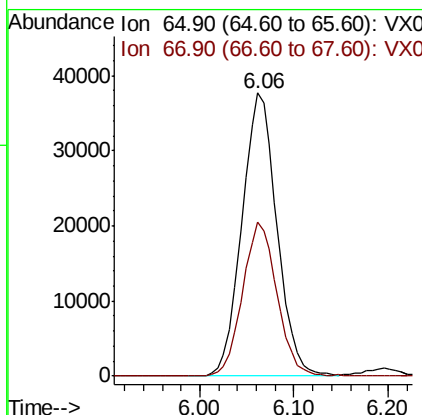
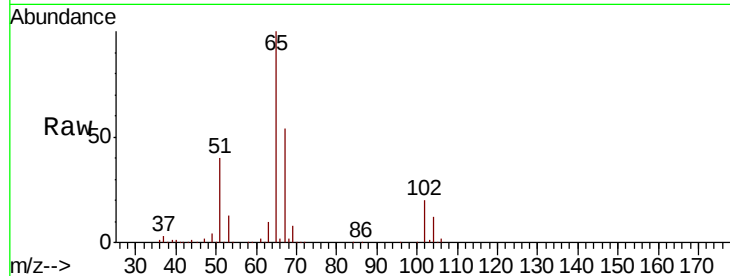




#33
 1,2-Dichloroethane-d4
 Concen: 38.537 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

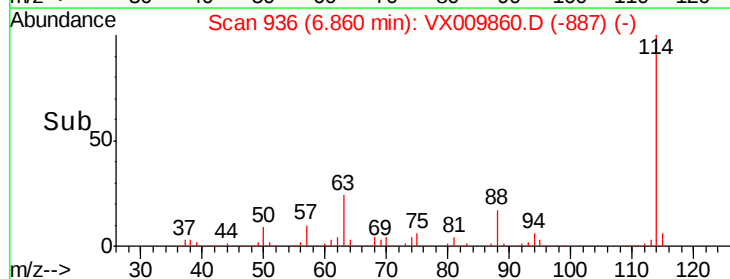
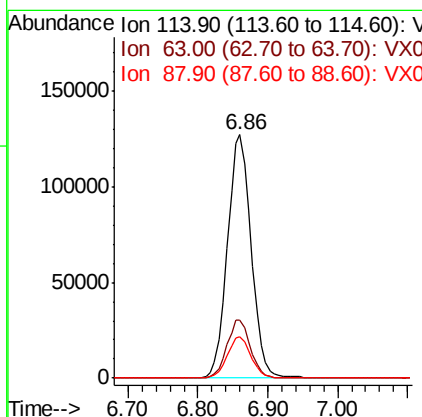
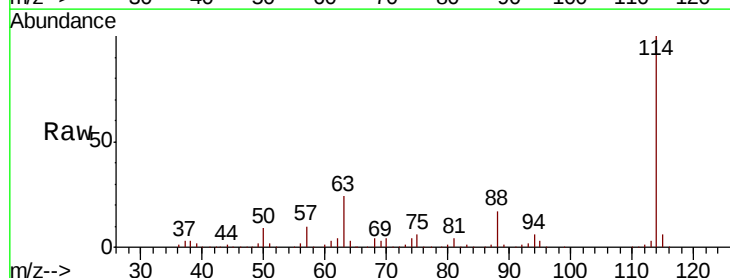
Instrument :
 MSVOA_X
 ClientSampleId :

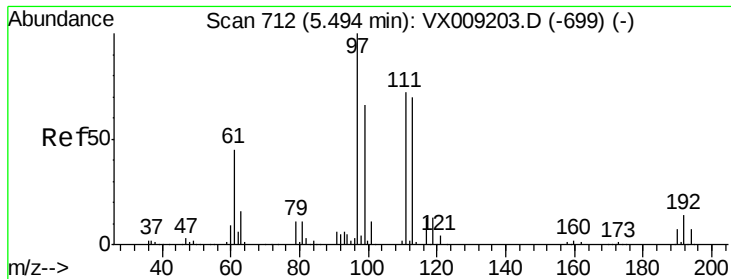
Tot Ion: 65 Resp: 98085
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion: 114 Resp: 299566
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 16.8 0.0 33.2

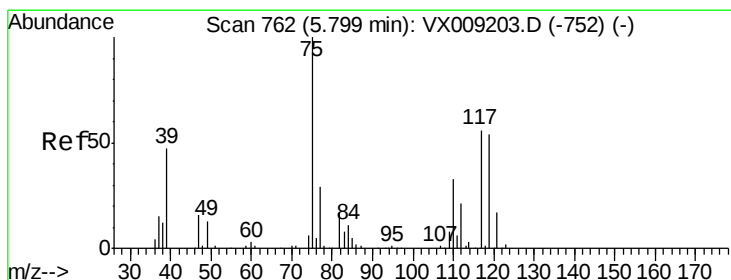
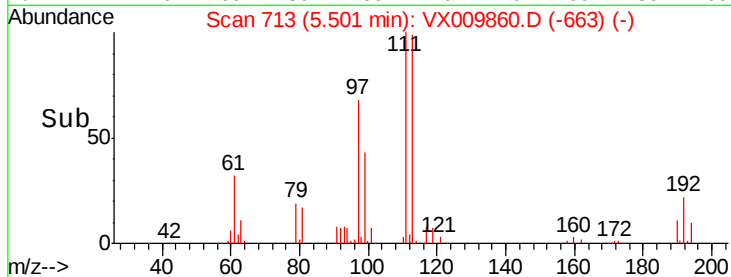
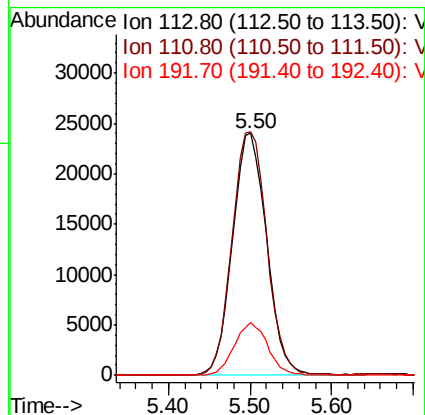
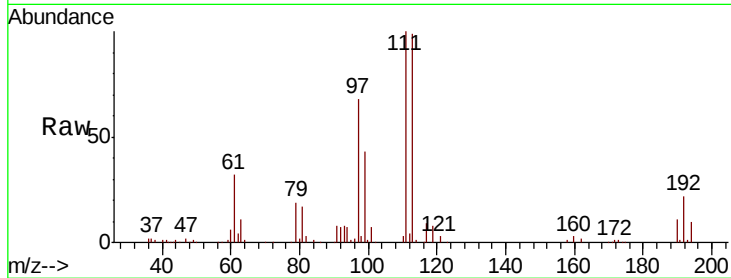




#35
 Dibromofluoromethane
 Concen: 36.948 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

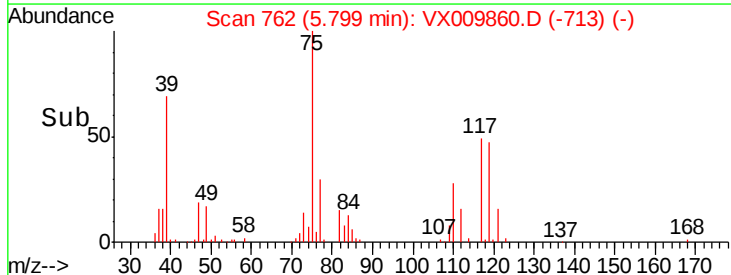
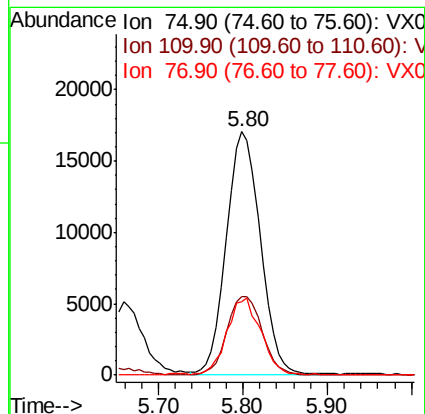
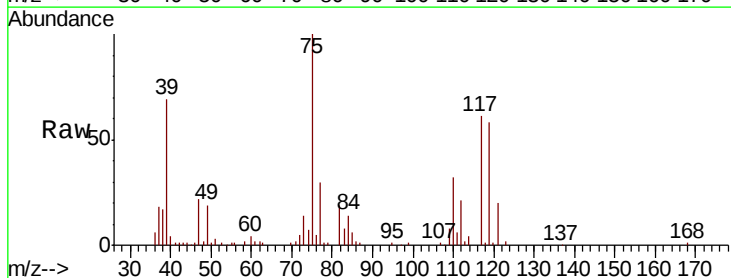
Instrument :
 MSVOA_X
 ClientSampleId :

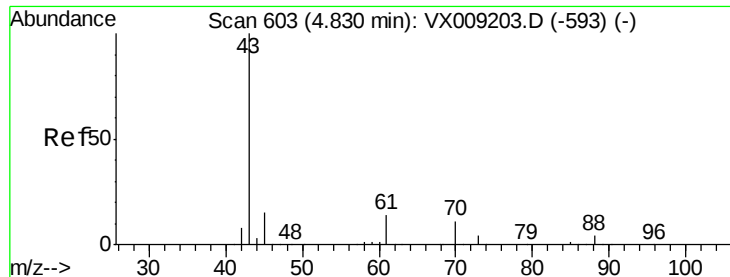
Tot Ion:113 Resp: 69580
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 21.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 16.776 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion: 75 Resp: 46702
 Ion Ratio Lower Upper
 75 100
 110 33.5 16.9 50.6
 77 31.1 24.8 37.2





#37

Ethyl Acetate

Concen: 18.288 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

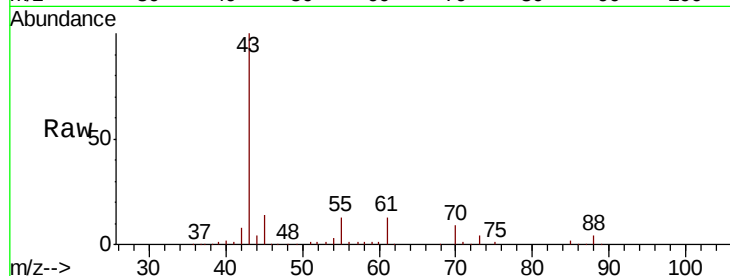
Tot Ion: 43 Resp: 70936

Ion Ratio Lower Upper

43 100

61 13.3 10.5 15.7

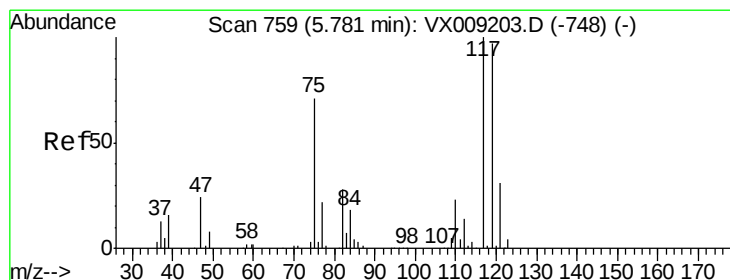
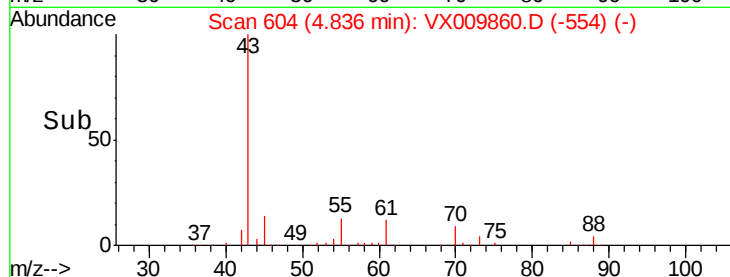
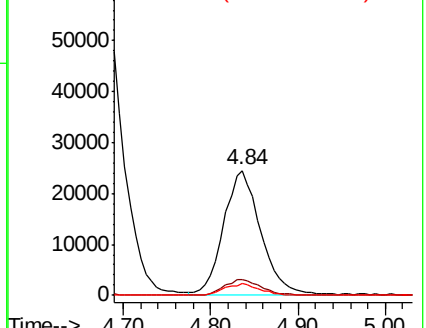
70 9.1 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 16.240 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

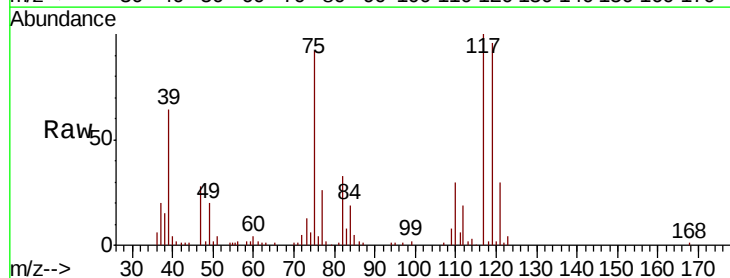
Tgt Ion: 117 Resp: 41077

Ion Ratio Lower Upper

117 100

119 96.2 77.5 116.3

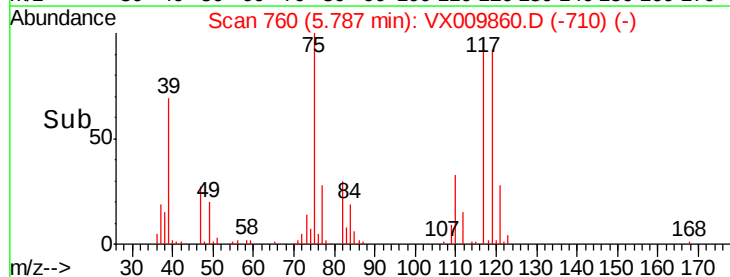
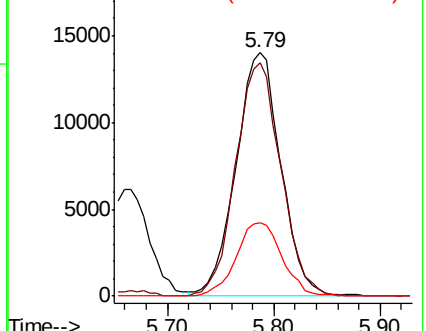
121 29.9 24.7 37.1

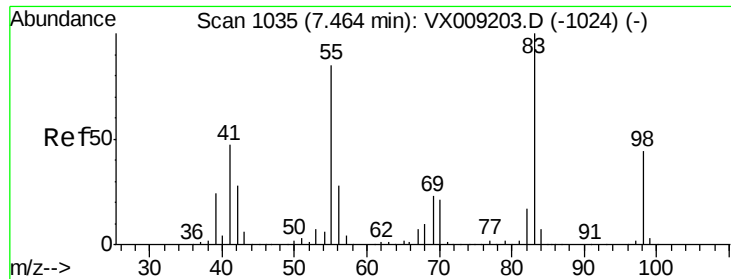


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

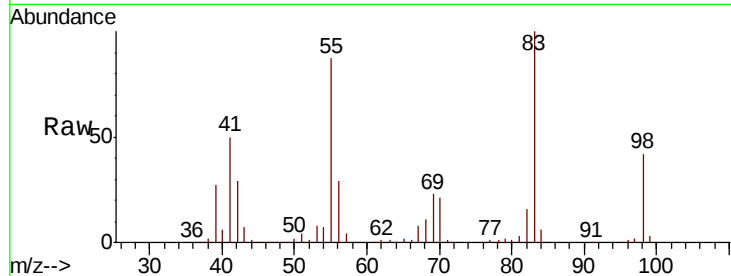




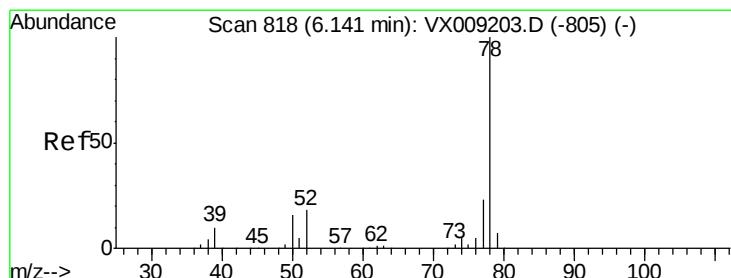
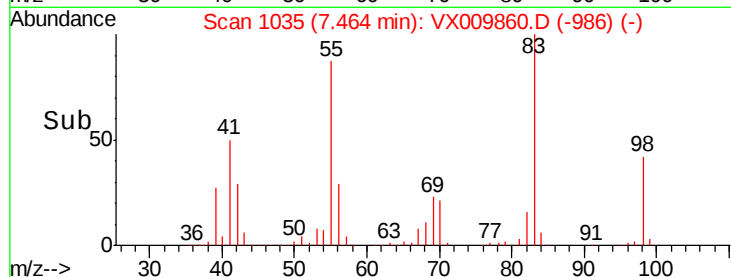
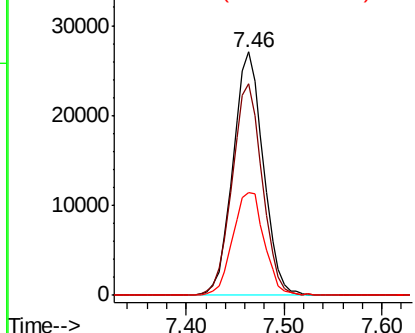
#39
Methvlcvclohexane
Concen: 16.997 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 58111
Ion Ratio Lower Upper
83 100
55 87.0 67.7 101.5
98 42.4 35.5 53.3

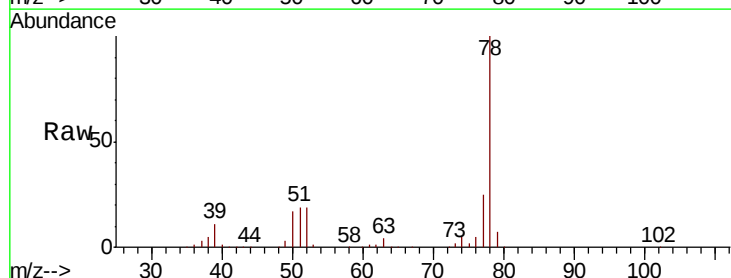


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

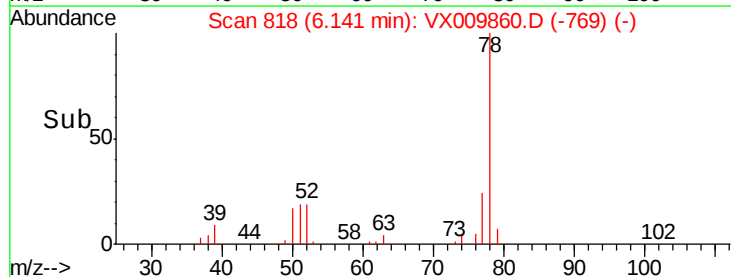
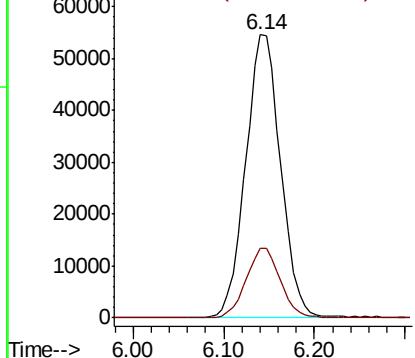


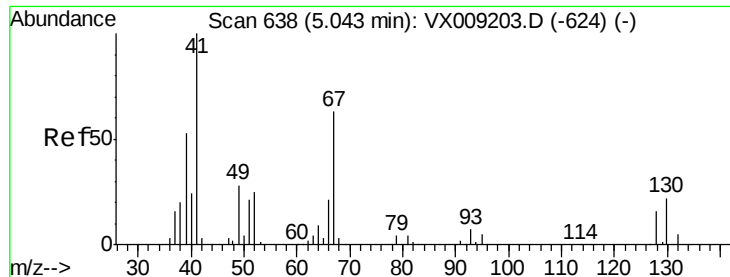
#40
Benzene
Concen: 16.891 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 78 Resp: 145524
Ion Ratio Lower Upper
78 100
77 24.7 18.8 28.2



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

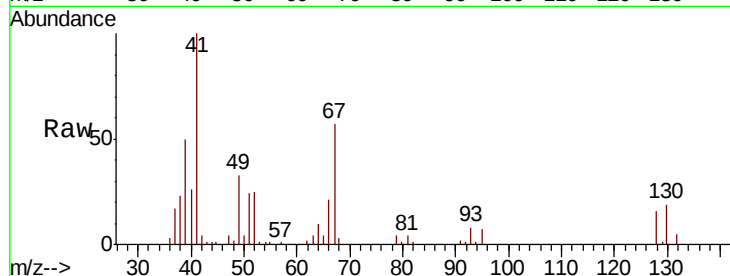




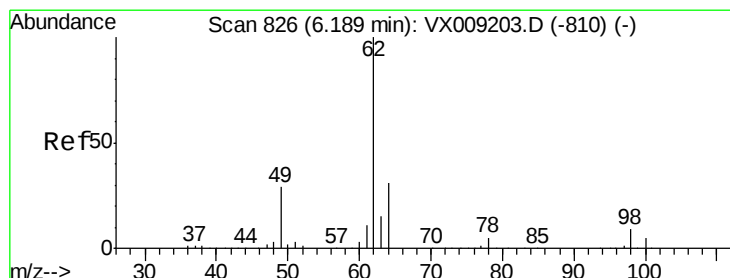
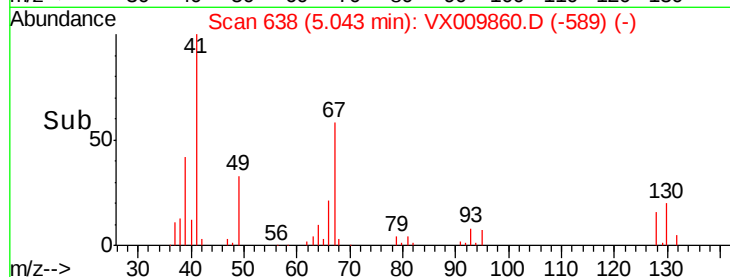
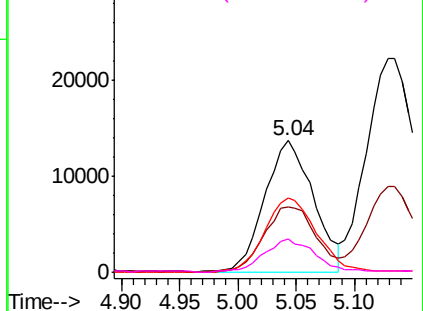
#41
Methacrylonitrile
Concen: 17.365 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	40095
Ion	Ratio	Lower	Upper
41	100		
39	53.1	42.0	63.0
67	59.8	49.8	74.8
52	25.5	20.3	30.5

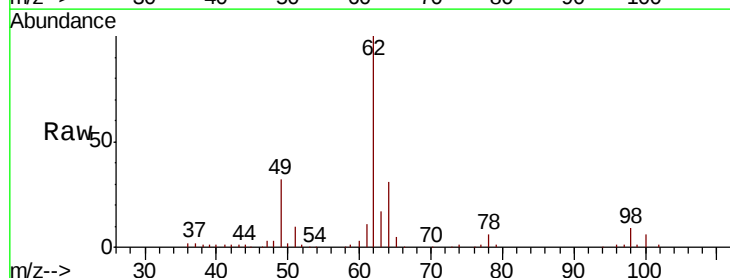


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

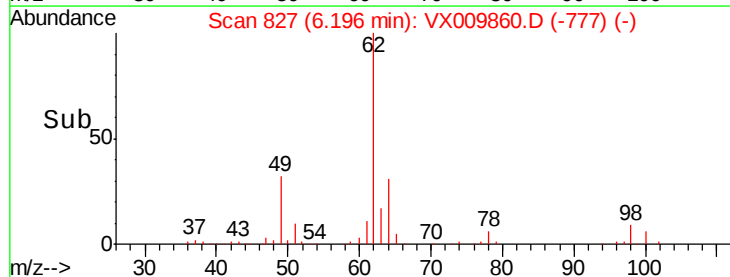
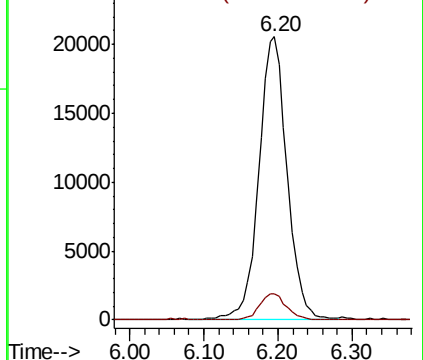


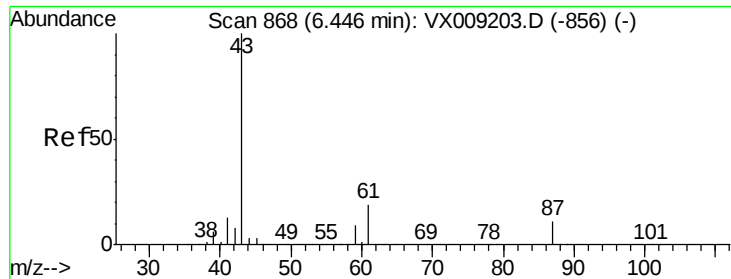
#42
1,2-Dichloroethane
Concen: 17.654 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion:	62	Resp:	54561
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.708 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

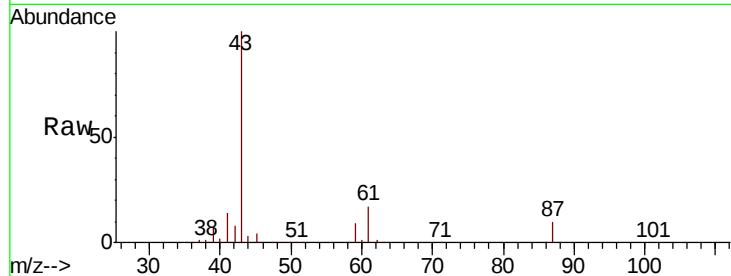
Tot Ion: 43 Resp: 109867

Ion Ratio Lower Upper

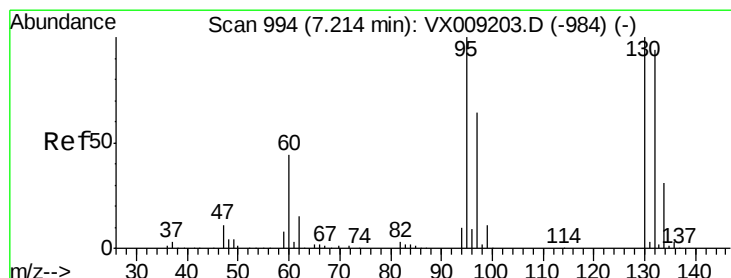
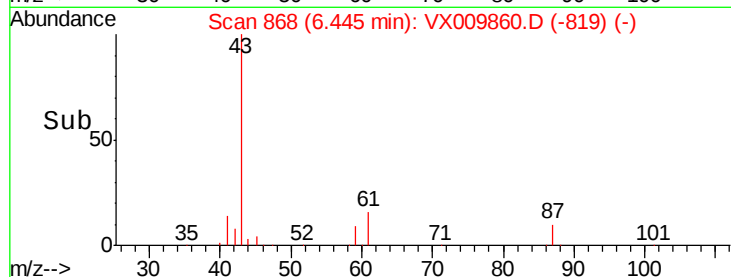
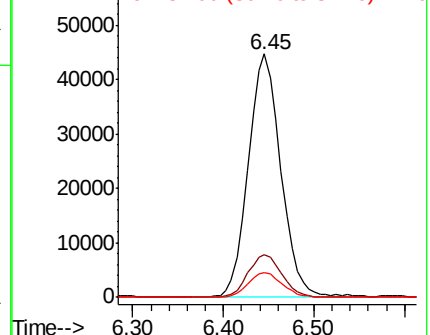
43 100

61 18.6 15.1 22.7

87 10.7 9.0 13.6



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: 16.264 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009860.D

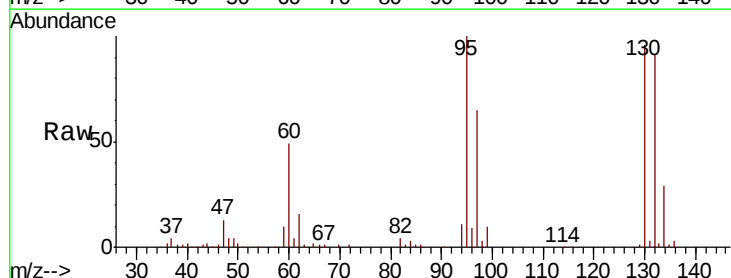
Acq: 23 May 2019 15:54

Tgt Ion:130 Resp: 33875

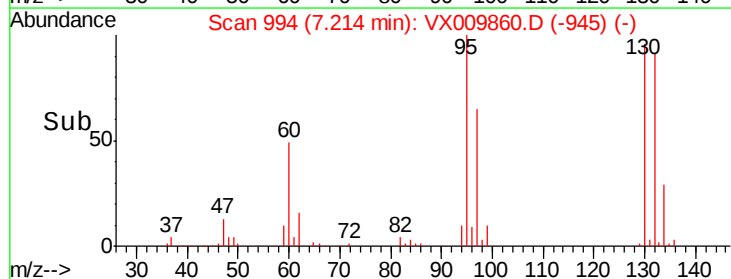
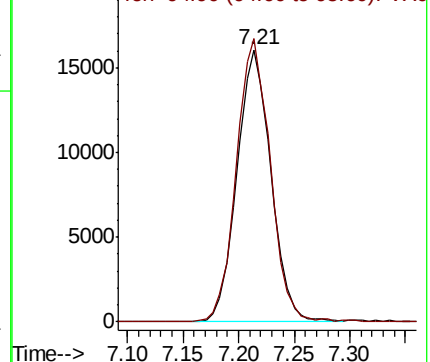
Ion Ratio Lower Upper

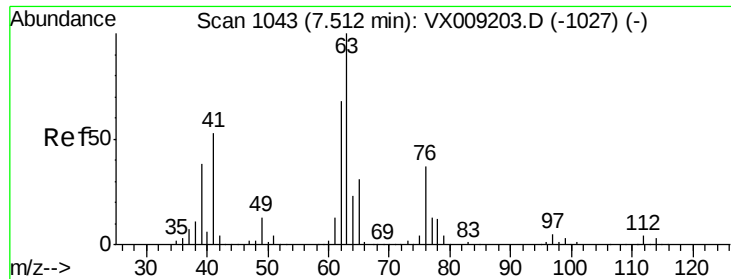
130 100

95 104.1 0.0 199.2



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

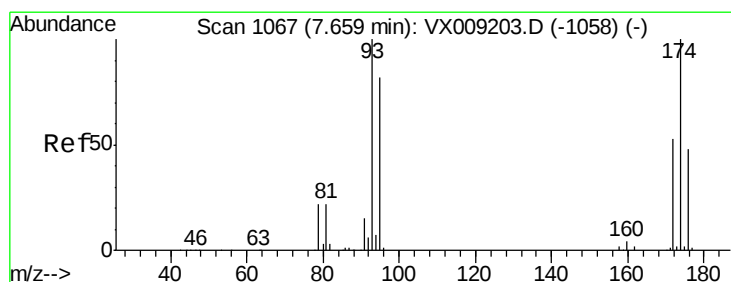
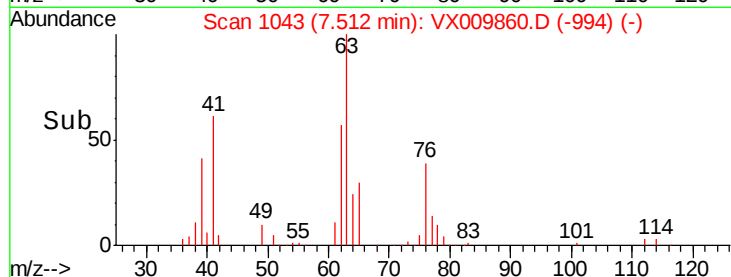
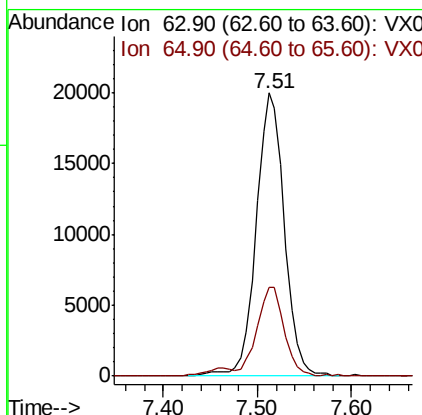
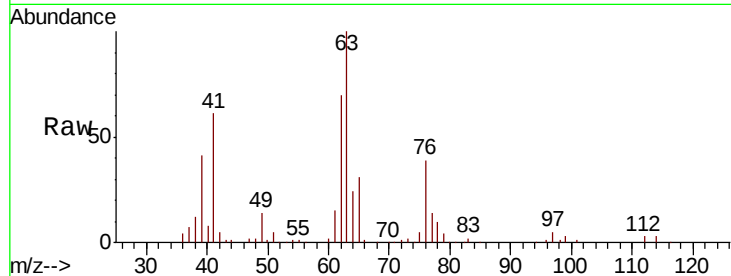




#45
 1,2-Dichloropropane
 Concen: 17.223 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

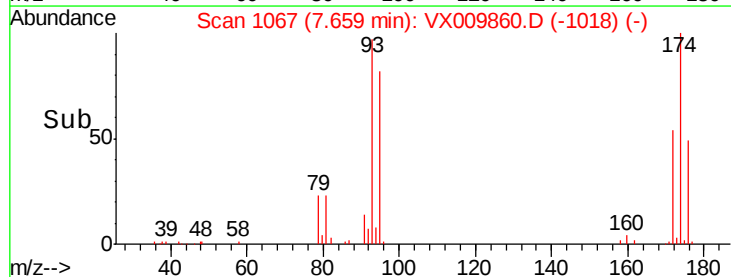
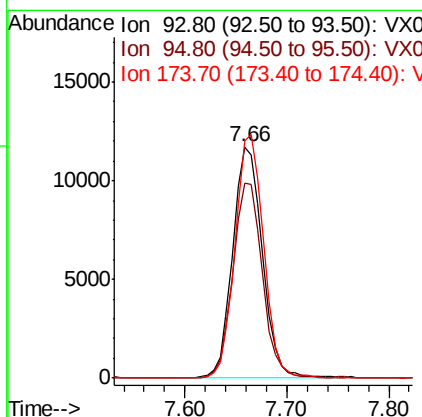
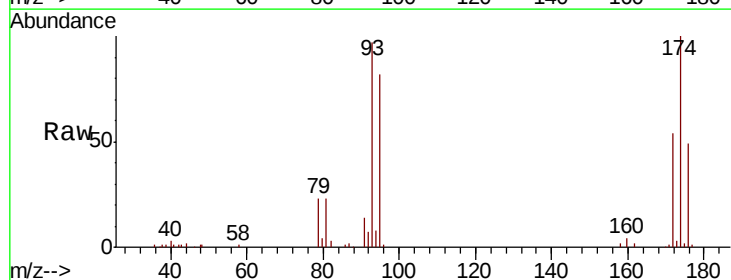
Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 63 Resp: 42018
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6



#46
 Dibromomethane
 Concen: 16.593 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion: 93 Resp: 23508
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.5 99.7
 174 101.6 82.1 123.1





#47

Bromodichloromethane

Concen: 16.281 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

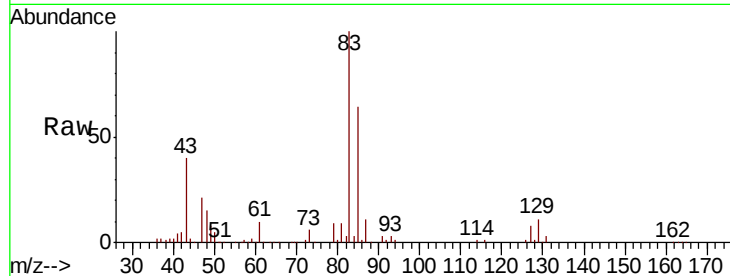
Tot Ion: 83 Resp: 46010

Ion Ratio Lower Upper

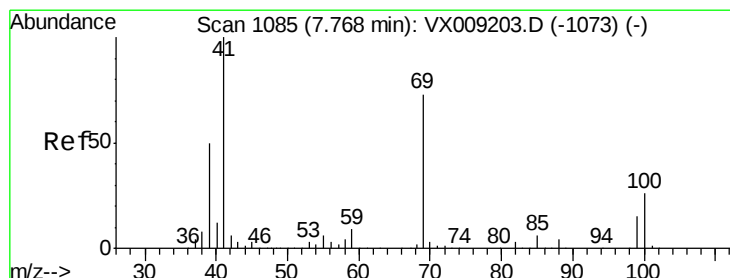
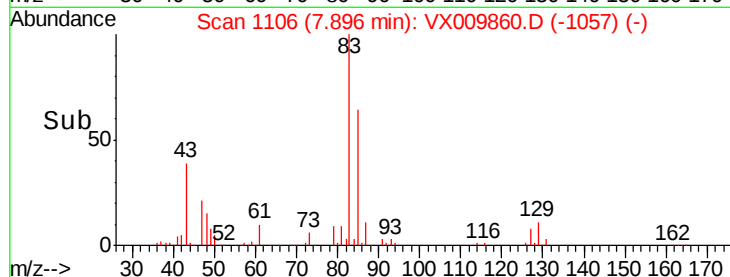
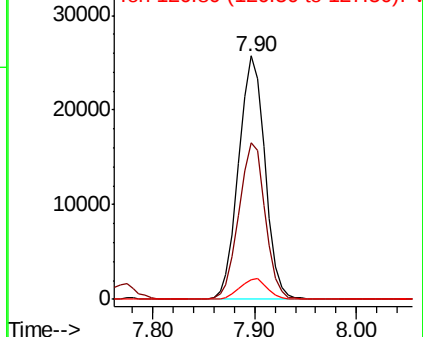
83 100

85 64.2 52.4 78.6

127 8.2 6.6 10.0



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: 18.052 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

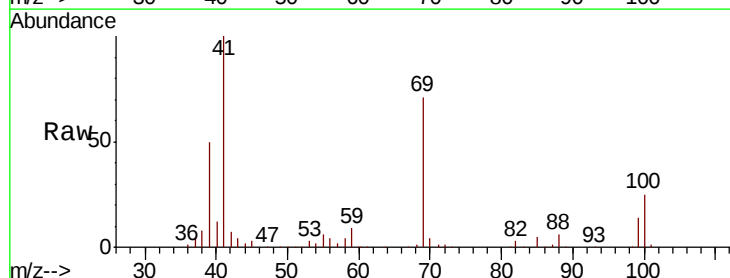
Tgt Ion: 41 Resp: 55566

Ion Ratio Lower Upper

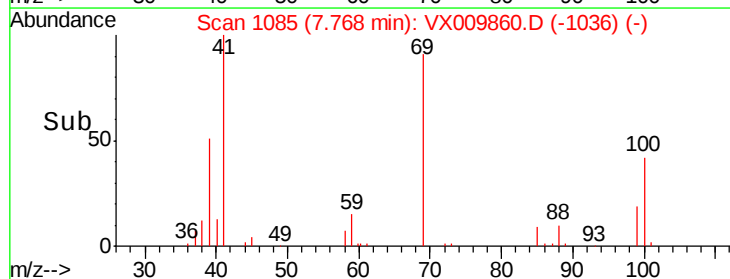
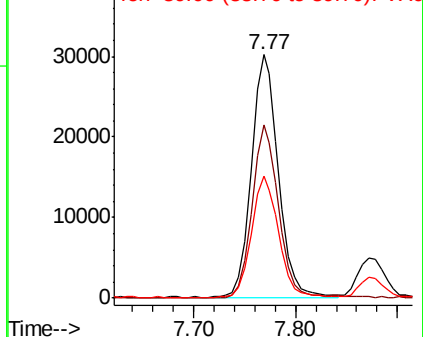
41 100

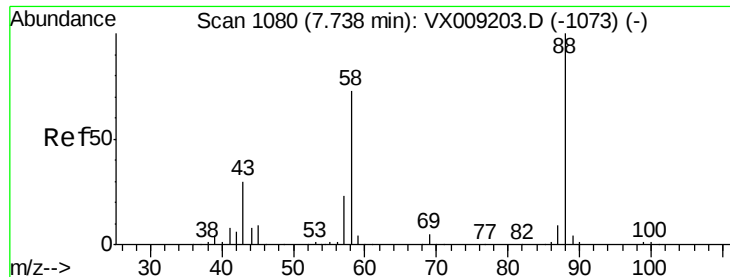
69 70.4 59.1 88.7

39 50.2 40.4 60.6



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

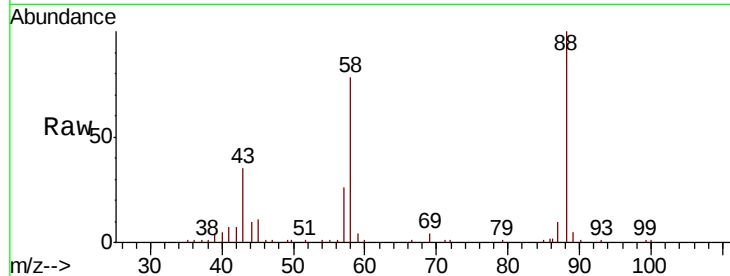




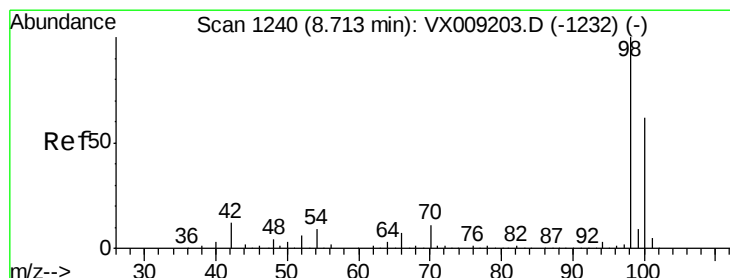
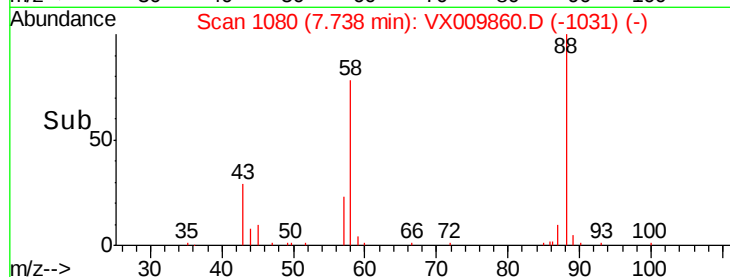
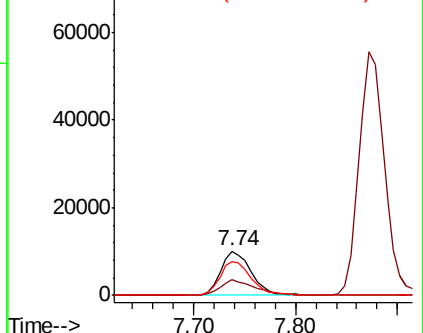
#49
1,4-Dioxane
Concen: 333.685 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 20830
Ion Ratio Lower Upper
88 100
43 38.3 28.6 42.8
58 80.1 61.7 92.5

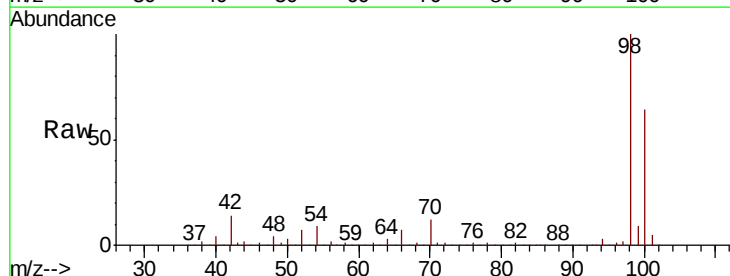


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

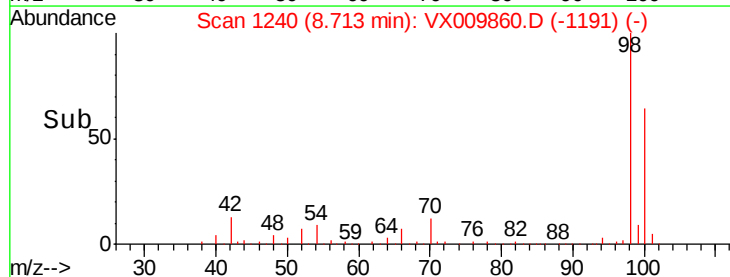
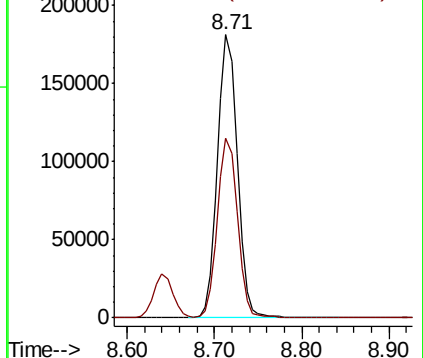


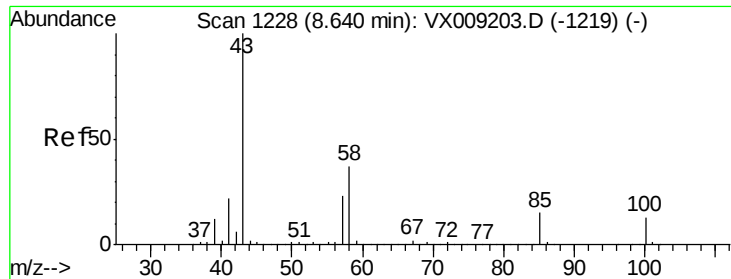
#50
Toluene-d8
Concen: 37.725 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 98 Resp: 286821
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 91.861 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

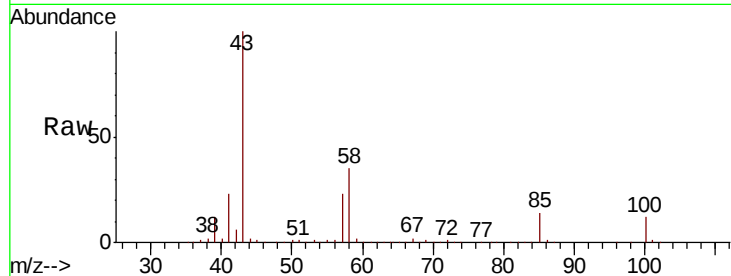
ClientSampled :

Tot Ion: 43 Resp: 372524

Ion Ratio Lower Upper

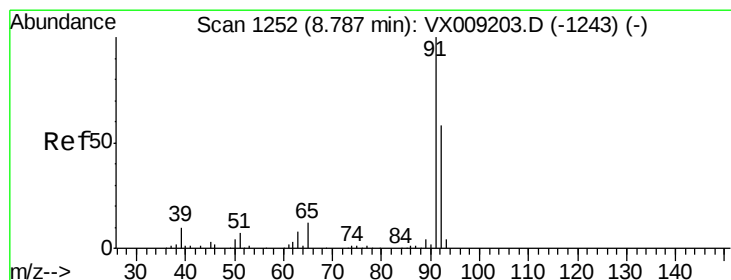
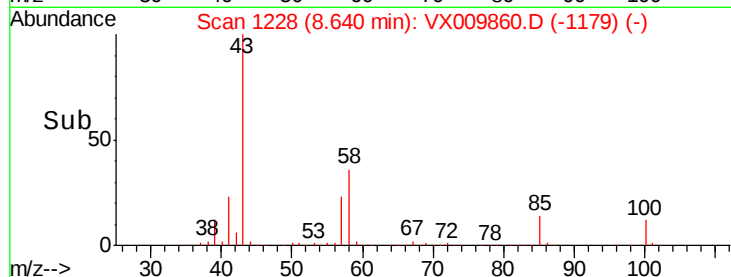
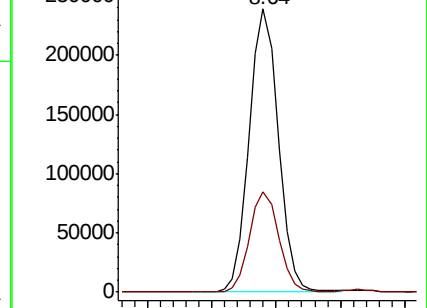
43 100

58 35.6 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 17.026 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009860.D

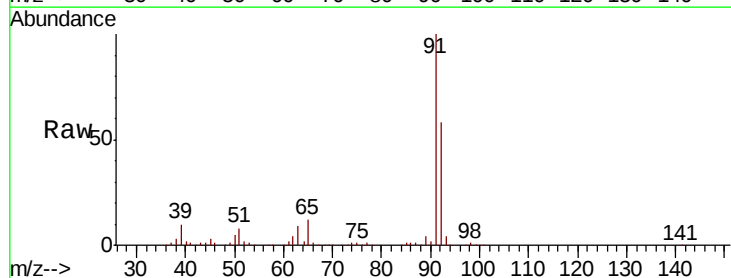
Acq: 23 May 2019 15:54

Tgt Ion: 92 Resp: 89169

Ion Ratio Lower Upper

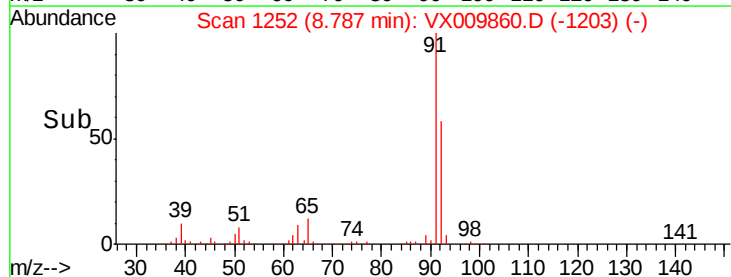
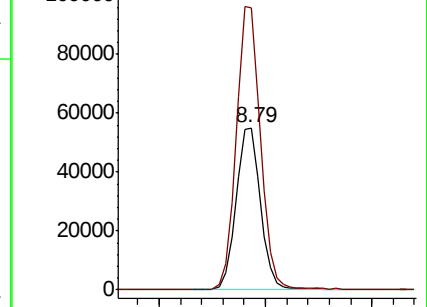
92 100

91 173.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

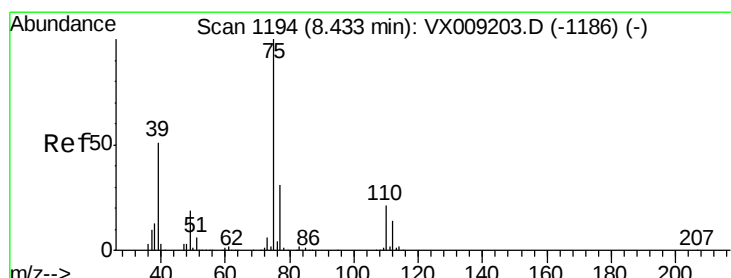
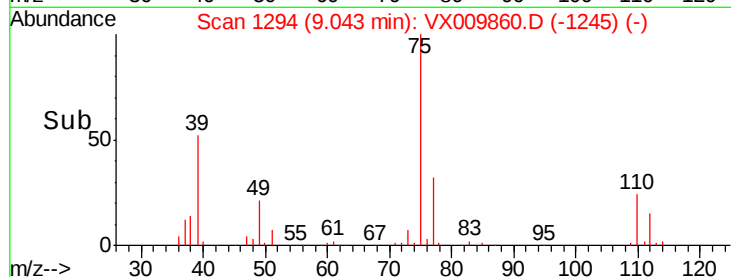
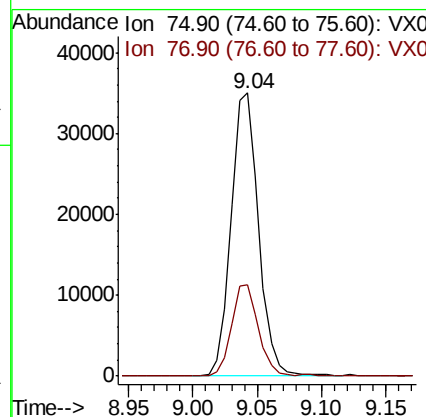
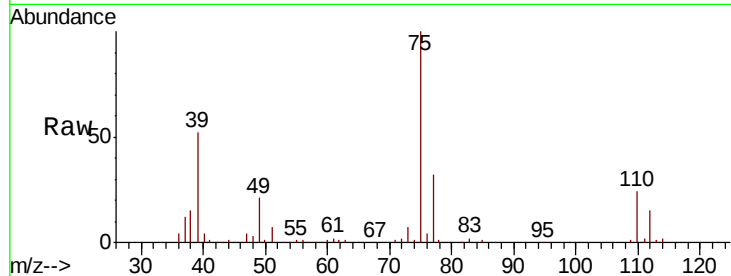




#53
t-1,3-Dichloropropene
Concen: 16.475 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

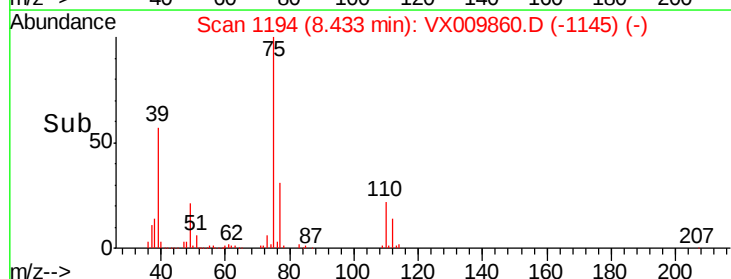
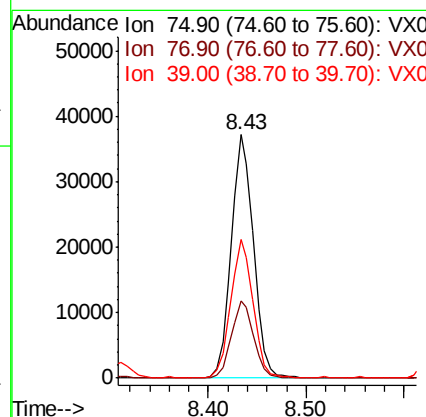
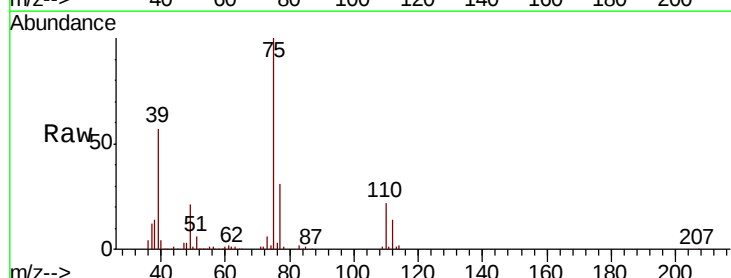
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 52565
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 16.591 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 75 Resp: 58590
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 56.6 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 16.435 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 35117

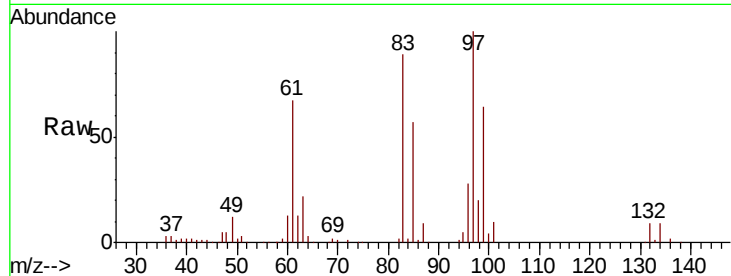
Ion Ratio Lower Upper

97 100

83 89.1 68.9 103.3

85 57.0 43.8 65.6

99 64.5 48.2 72.2

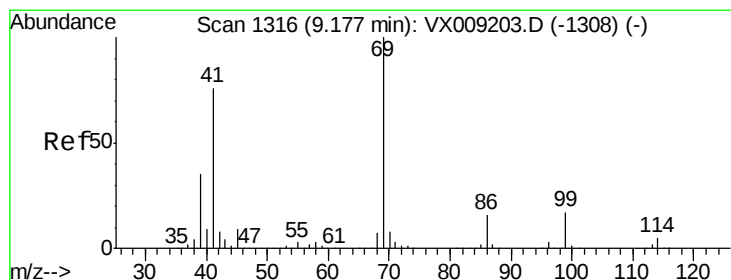
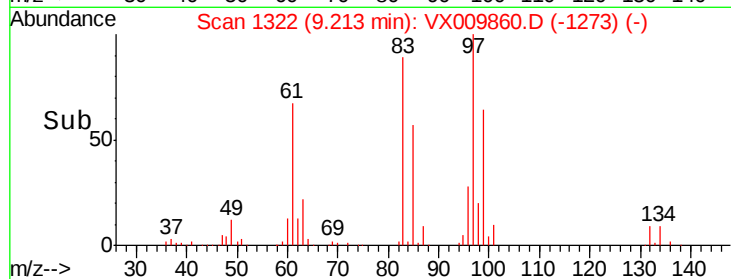
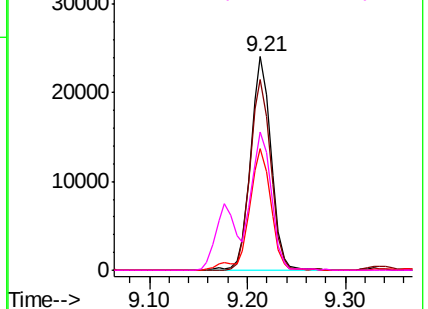


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 17.014 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

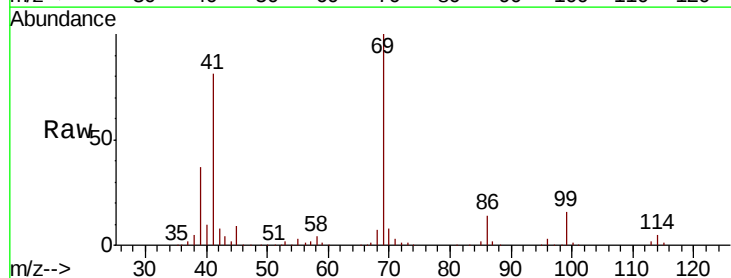
Tgt Ion: 69 Resp: 64892

Ion Ratio Lower Upper

69 100

41 80.0 60.6 90.8

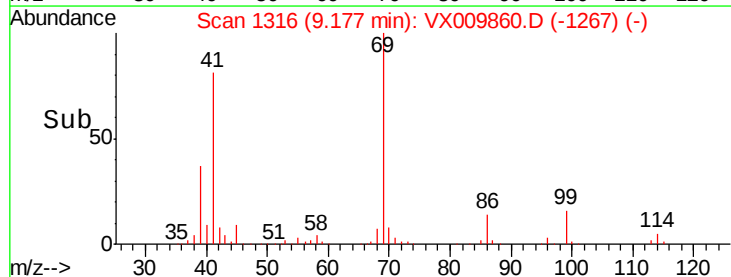
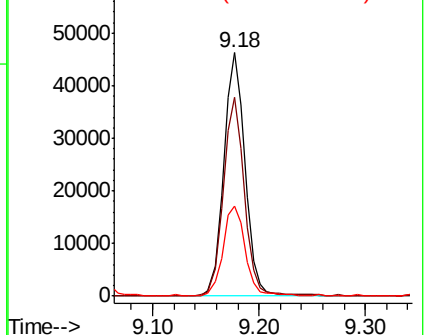
39 38.6 28.2 42.4

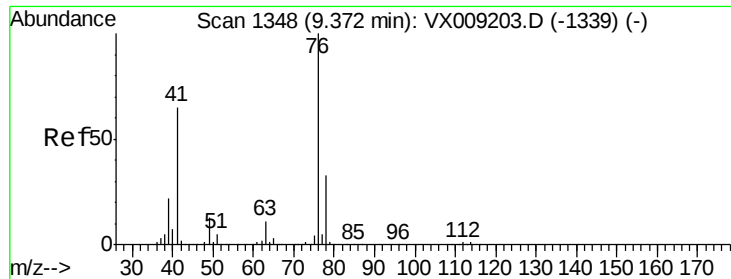


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 17.065 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

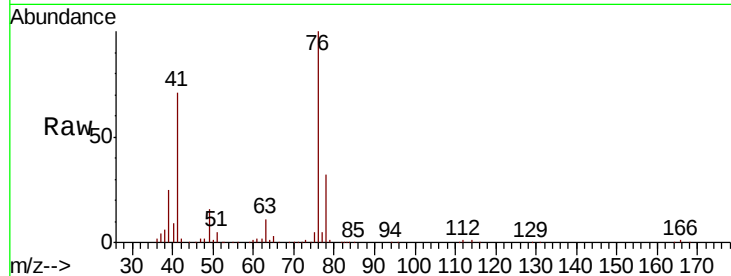
ClientSampleId :

Tot Ion: 76 Resp: 64163

Ion Ratio Lower Upper

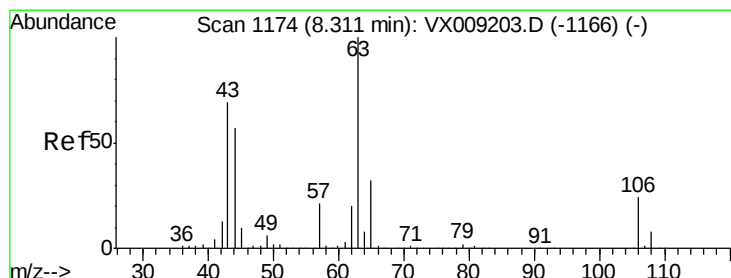
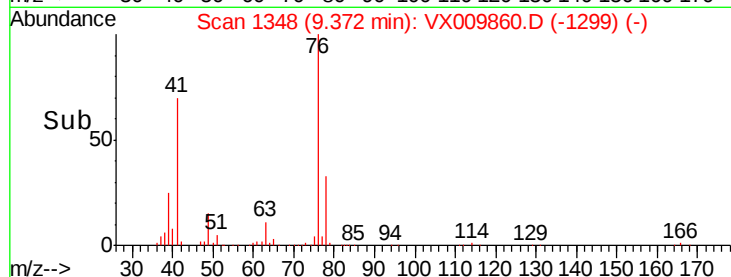
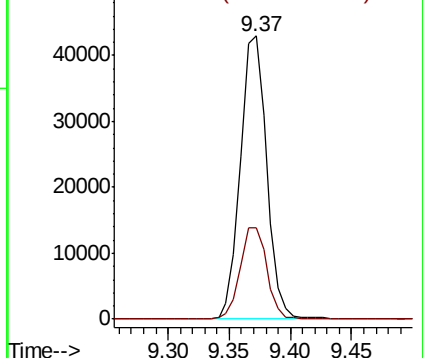
76 100

78 33.1 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 85.706 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009860.D

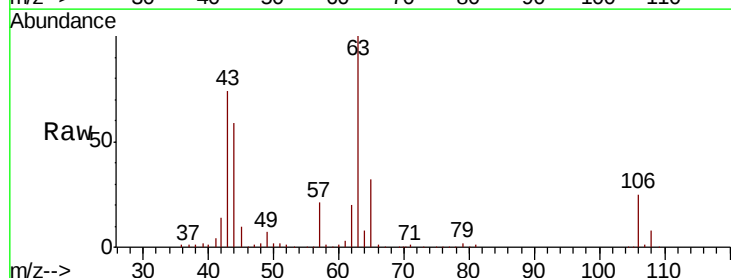
Acq: 23 May 2019 15:54

Tgt Ion: 63 Resp: 173413

Ion Ratio Lower Upper

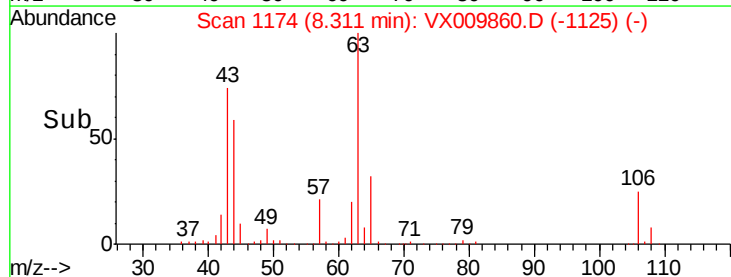
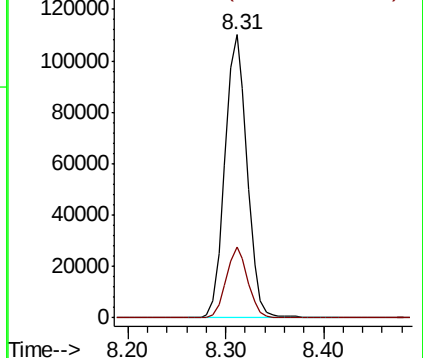
63 100

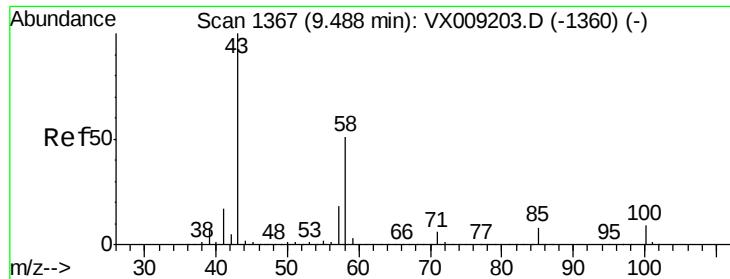
106 24.3 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

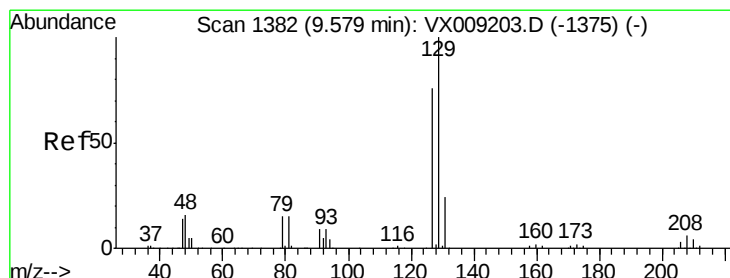
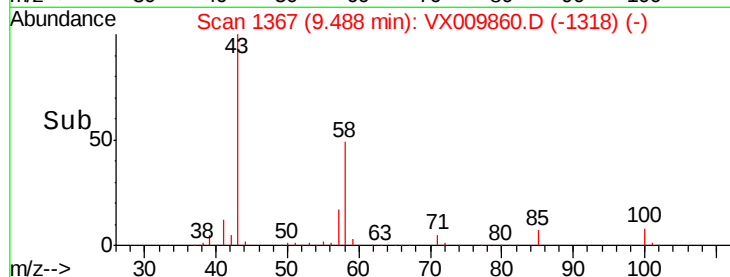
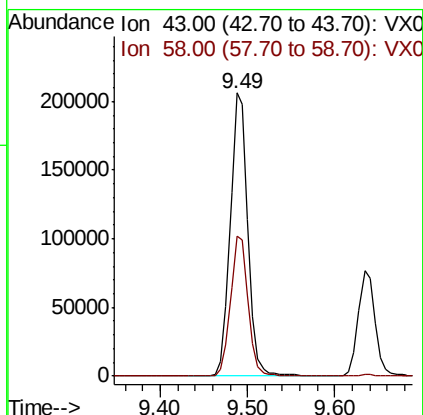
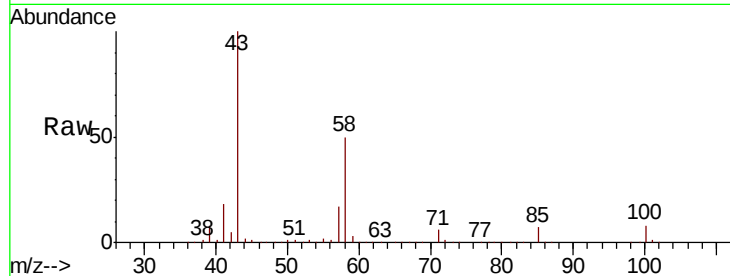




#59
2-Hexanone
Concen: 90.329 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

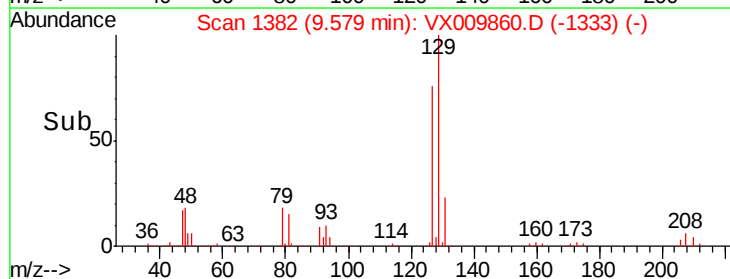
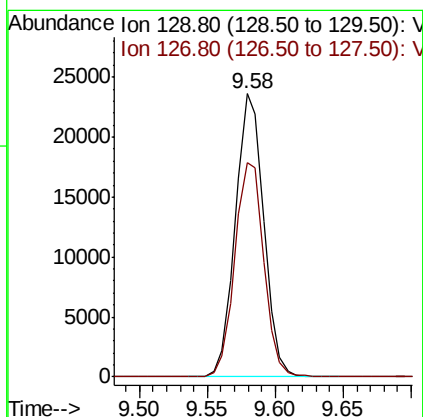
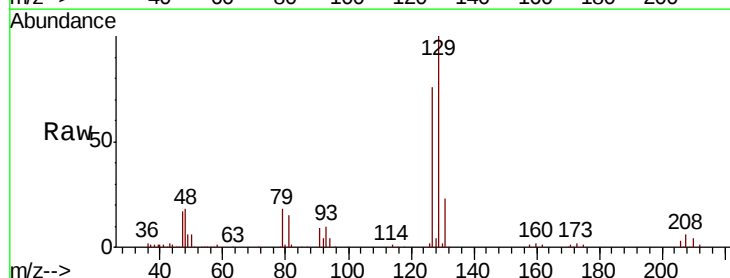
Instrument :
MSVOA_X
ClientSampleId :

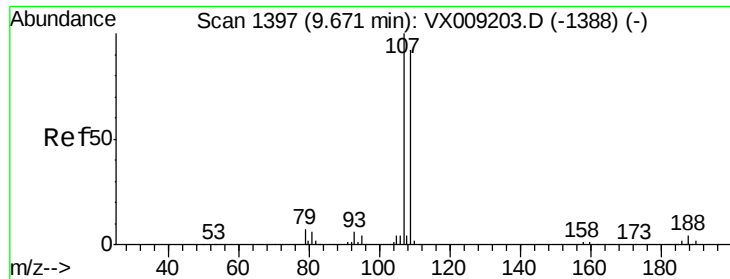
Tot Ion: 43 Resp: 287696
Ion Ratio Lower Upper
43 100
58 49.9 25.9 77.7



#60
Dibromochloromethane
Concen: 16.422 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 129 Resp: 34271
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 16.903 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

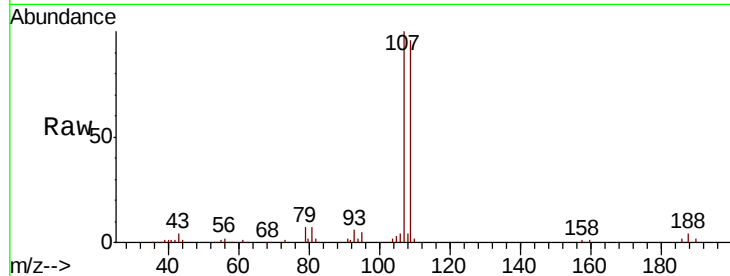
ClientSampled :

Tot Ion:107 Resp: 36457

Ion Ratio Lower Upper

107 100

109 93.8 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

15000

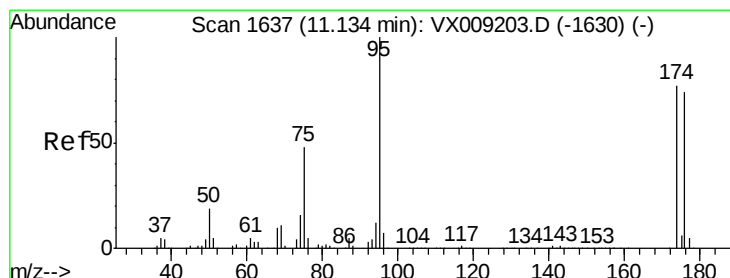
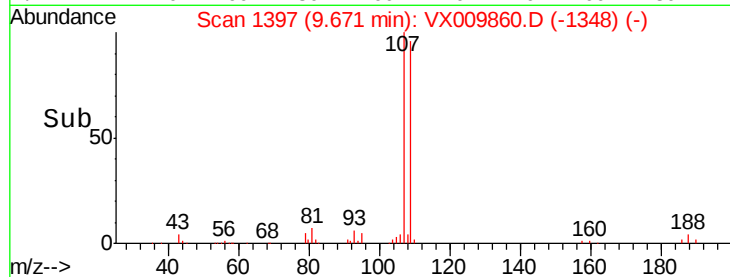
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 36.967 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

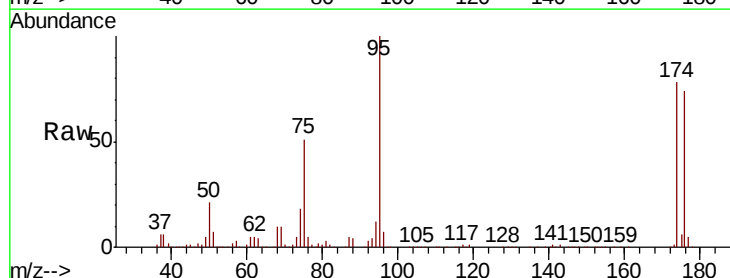
Tgt Ion: 95 Resp: 102125

Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.6

176 77.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

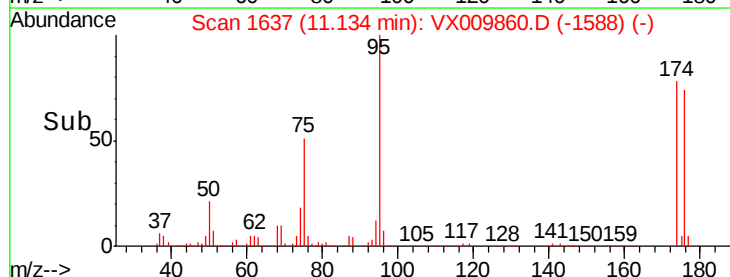
40000

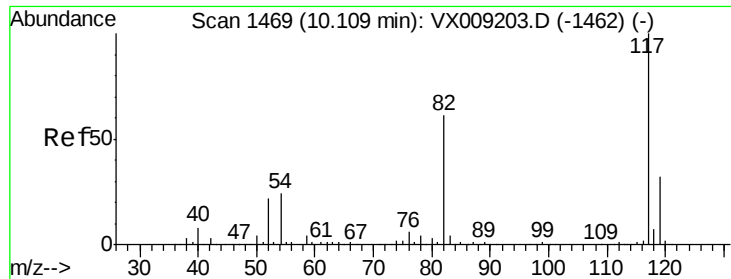
20000

0

Time-->

11.10 11.20

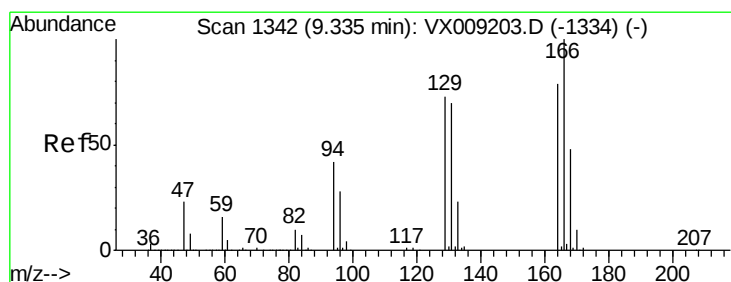
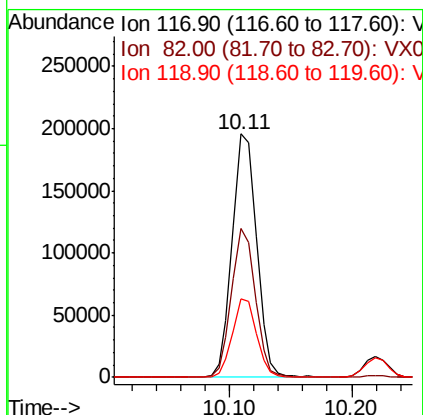
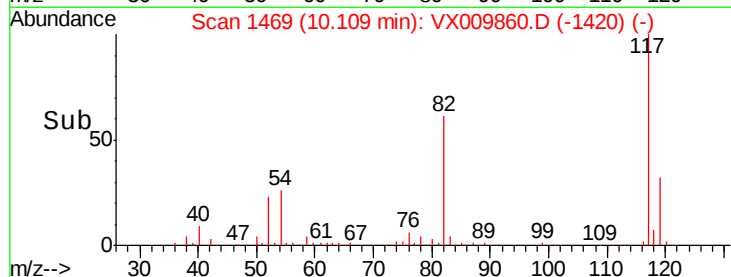
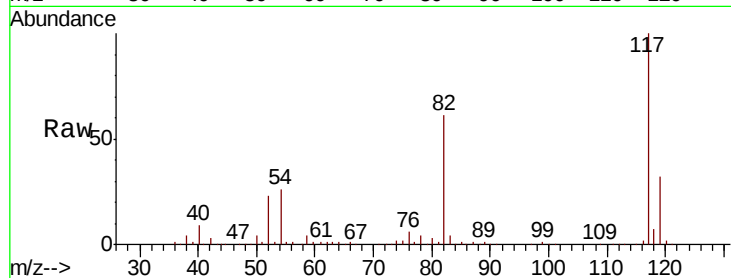




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

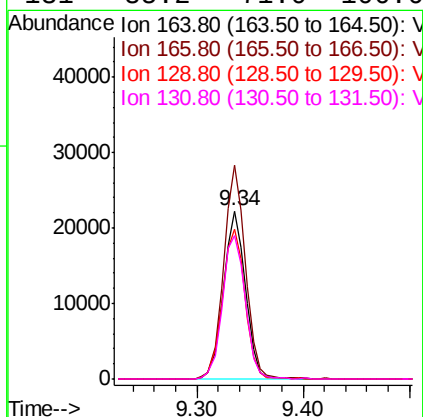
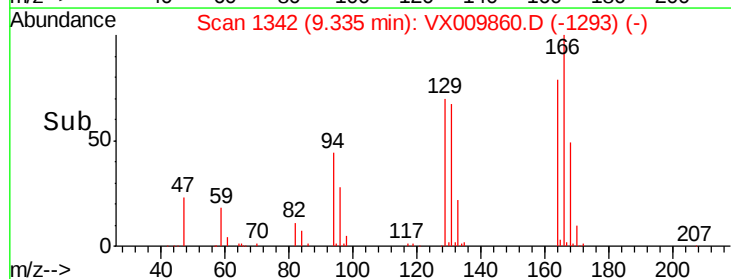
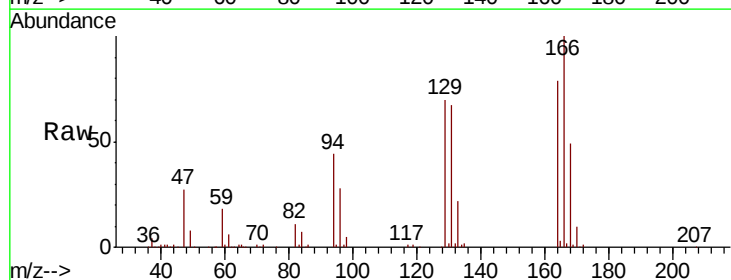
Instrument :
MSVOA_X
ClientSampled :

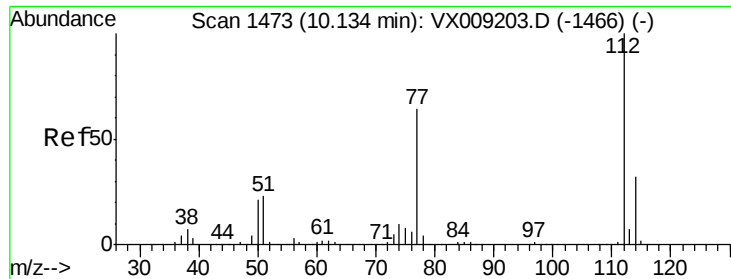
Tot Ion:117 Resp: 270982
Ion Ratio Lower Upper
117 100
82 61.2 48.8 73.2
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 17.302 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion:164 Resp: 32162
Ion Ratio Lower Upper
164 100
166 127.0 101.2 151.8
129 88.7 74.3 111.5
131 85.2 71.0 106.6

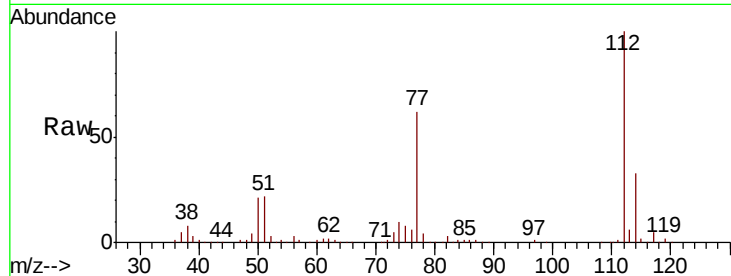




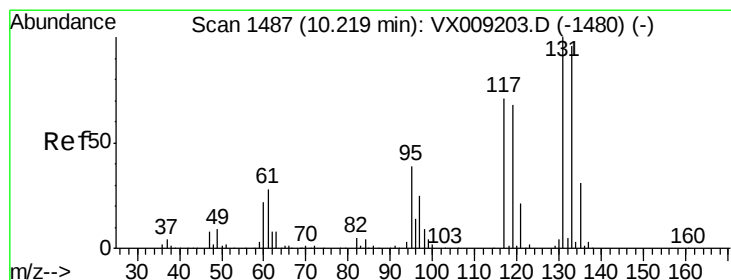
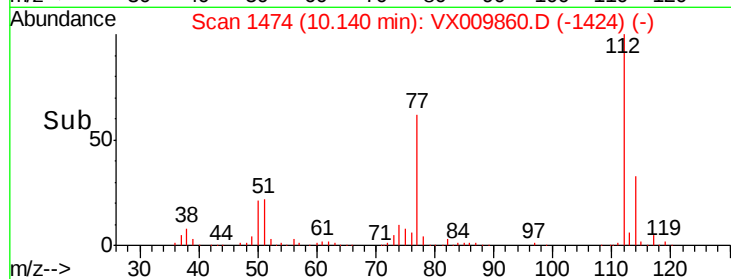
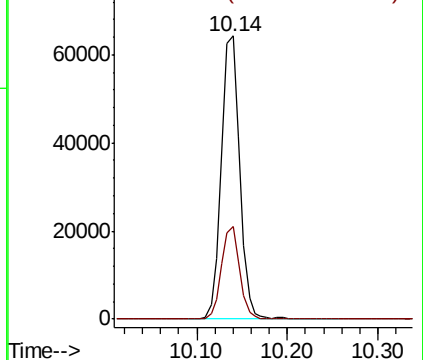
#65
Chlorobenzene
Concen: 16.830 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:112 Resp: 91233
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3

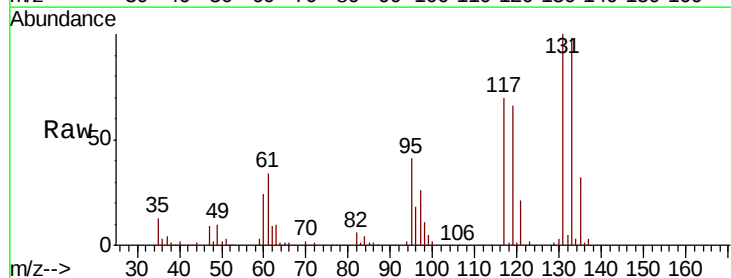


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

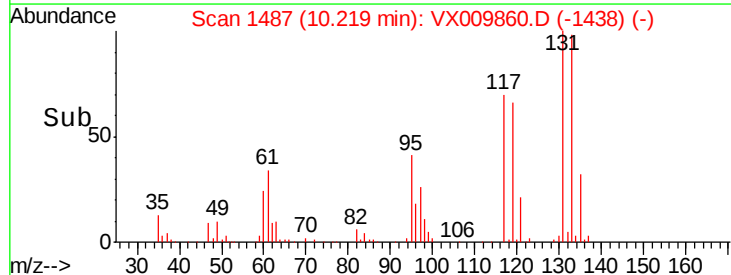
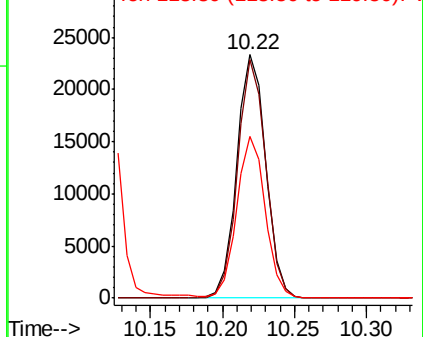


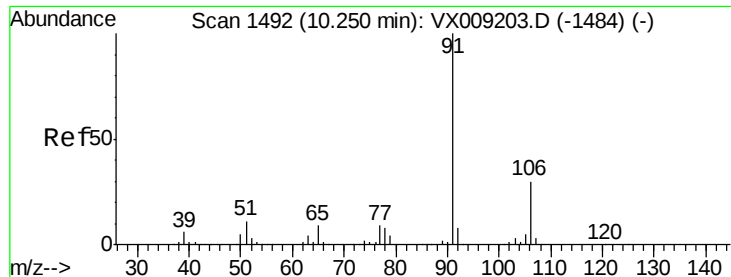
#66
1,1,1,2-Tetrachloroethane
Concen: 16.588 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion:131 Resp: 32600
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 65.7 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

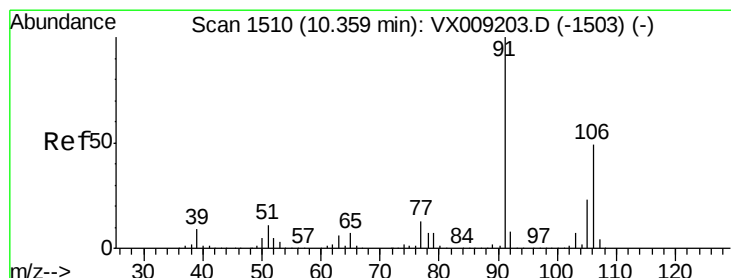
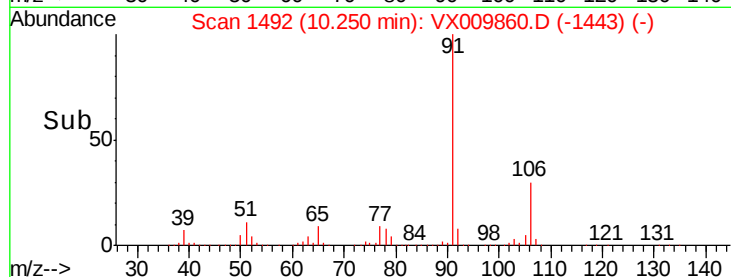
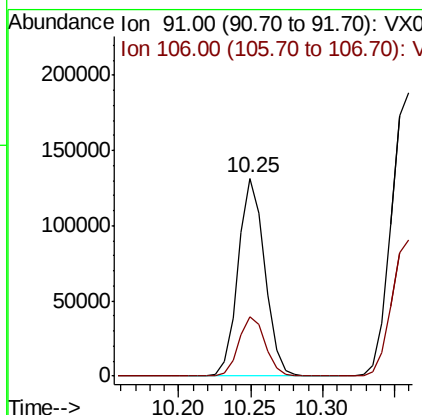
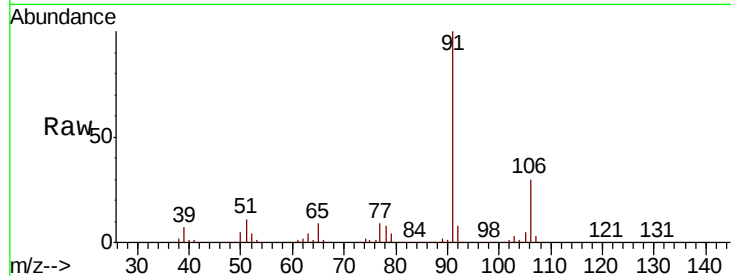




#67
Ethyl Benzene
Concen: 16.999 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

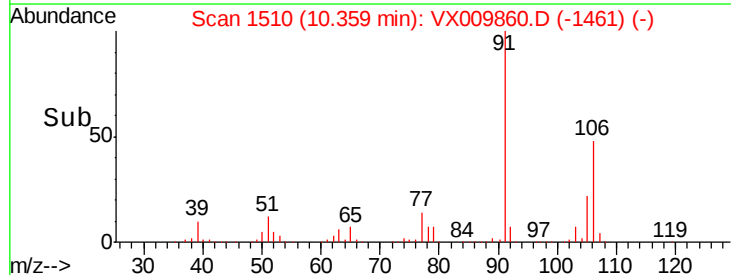
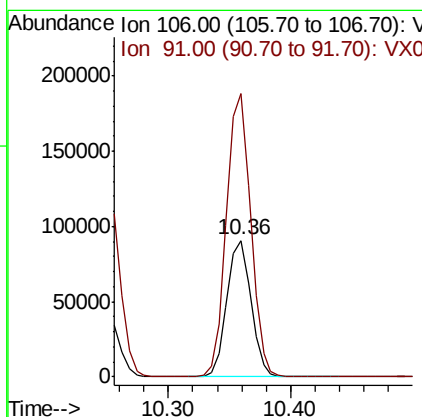
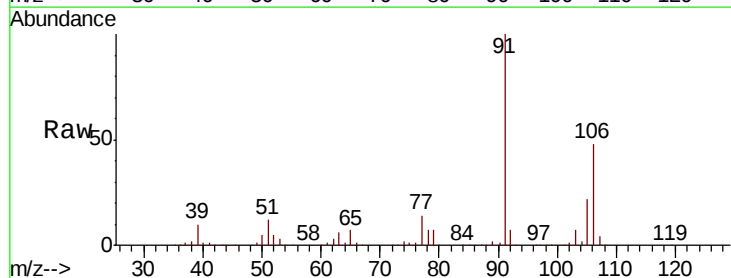
Instrument :
MSVOA_X
ClientSampleId :

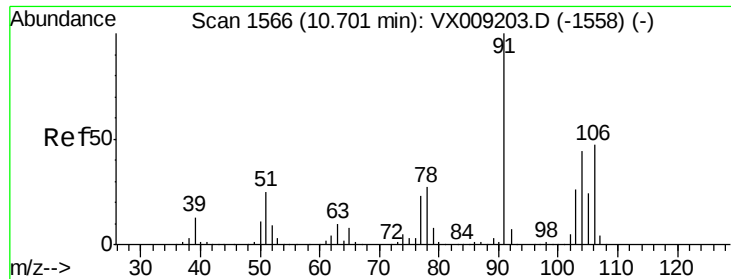
Tot Ion: 91 Resp: 169589
Ion Ratio Lower Upper
91 100
106 30.1 24.0 36.0



#68
m/p-Xylenes
Concen: 33.924 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 106 Resp: 123676
Ion Ratio Lower Upper
106 100
91 210.2 164.0 246.0

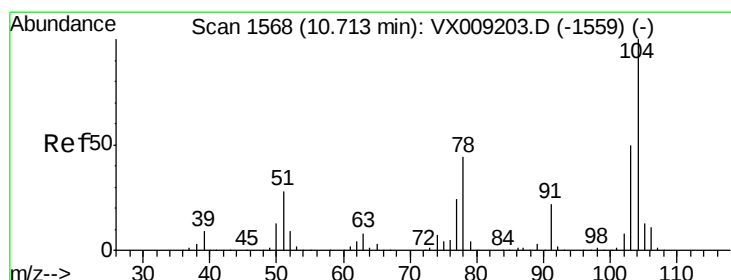
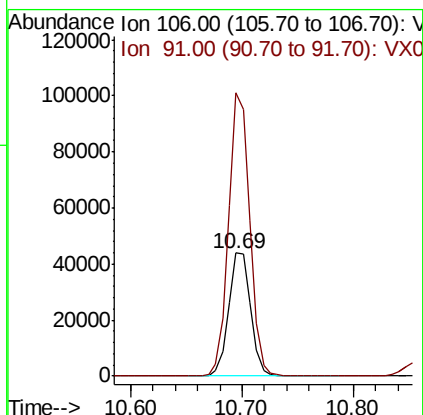
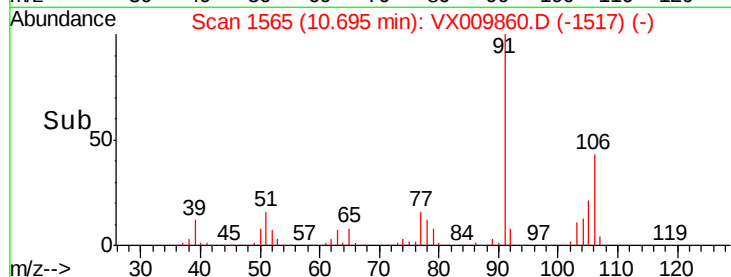
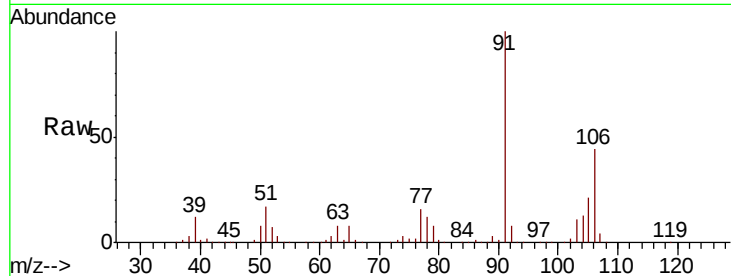




#69
o-Xylene
Concen: 16.645 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

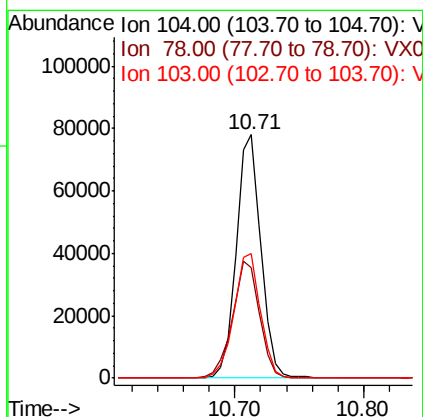
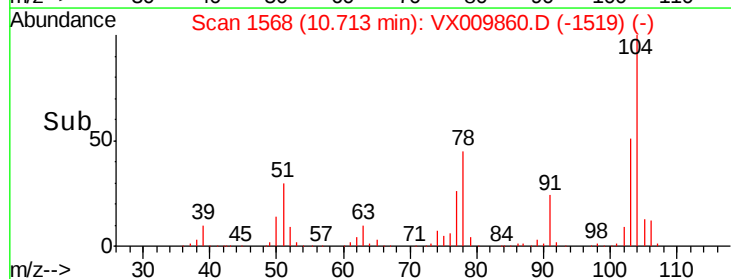
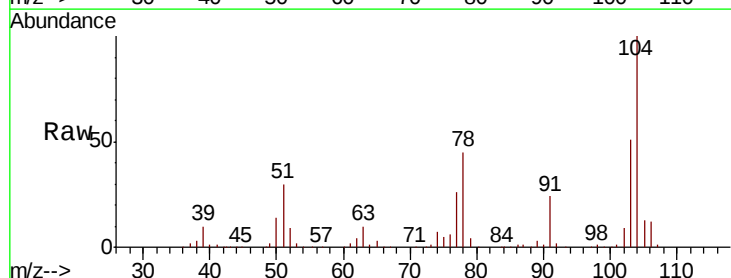
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 59871
Ion Ratio Lower Upper
106 100
91 222.2 109.5 328.4



#70
Styrene
Concen: 16.581 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion:104 Resp: 103663
Ion Ratio Lower Upper
104 100
78 53.0 41.0 61.4
103 55.9 43.8 65.6





#71

Bromoform

Concen: 15.829 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

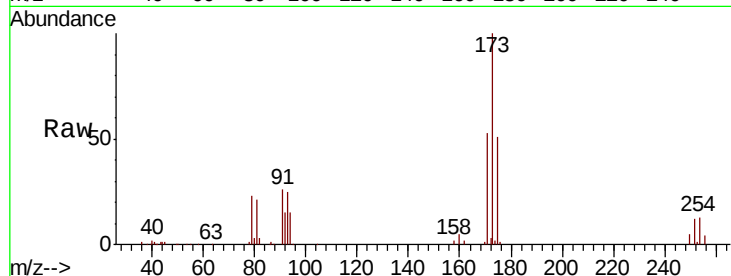
Tot Ion:173 Resp: 25281

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

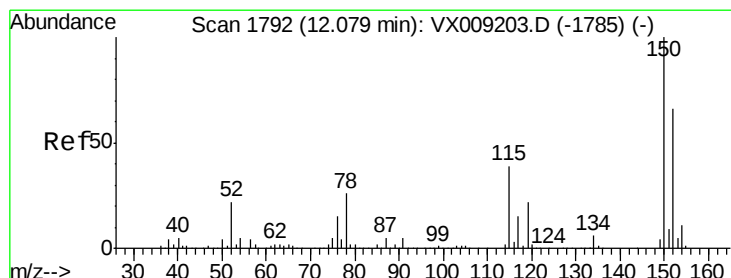
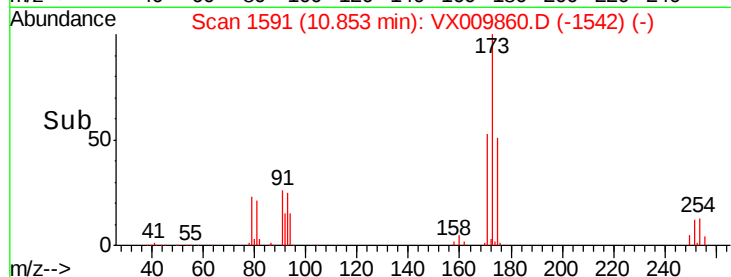
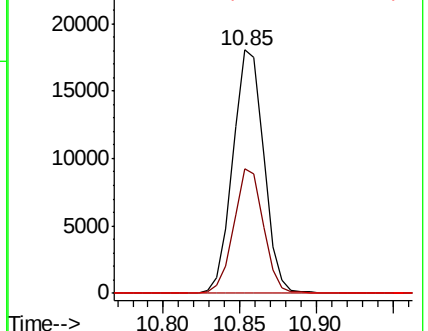
254 0.1 0.1 0.1#



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: VX009860.D

Acq: 23 May 2019 15:54

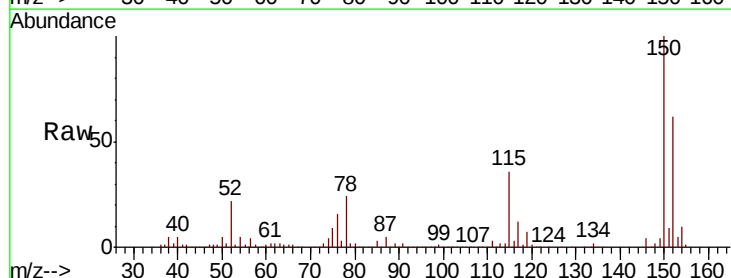
Tgt Ion:152 Resp: 129581

Ion Ratio Lower Upper

152 100

115 67.0 41.2 123.6

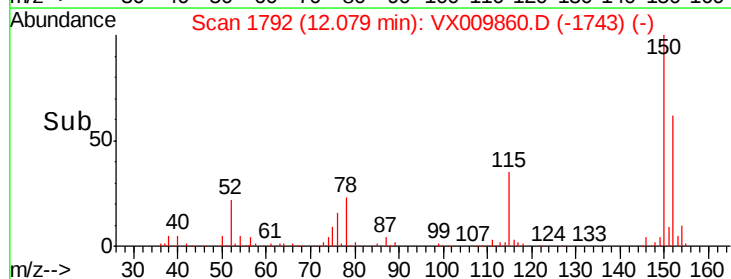
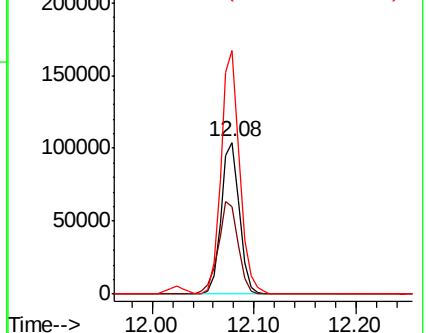
150 164.0 0.0 346.4



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: 16.958 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

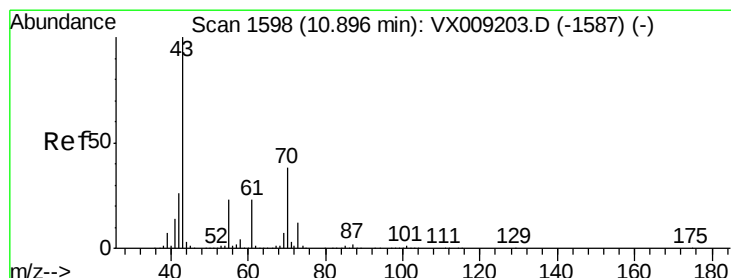
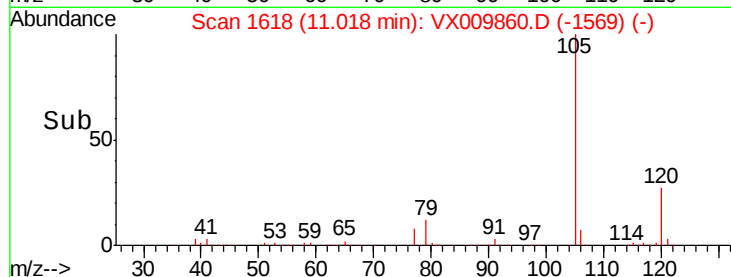
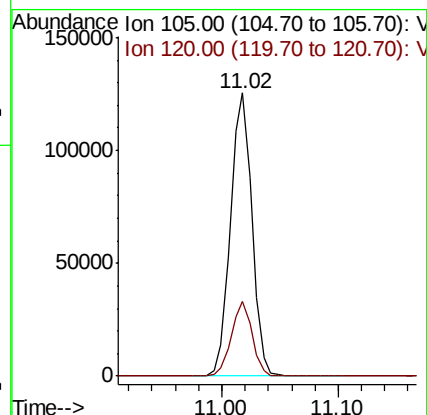
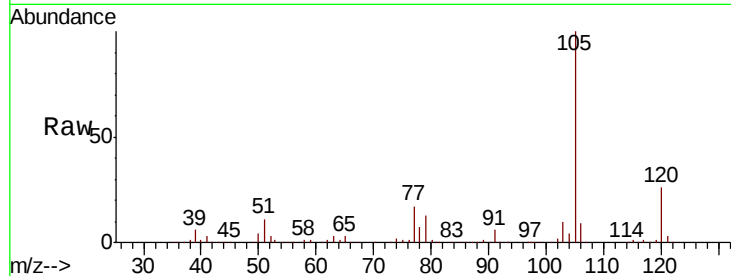
ClientSampled :

Tot Ion:105 Resp: 159794

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



#74

N-ethyl acetate

Concen: 17.842 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion: 43 Resp: 98016

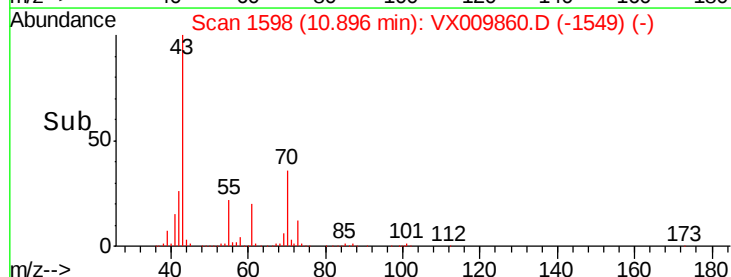
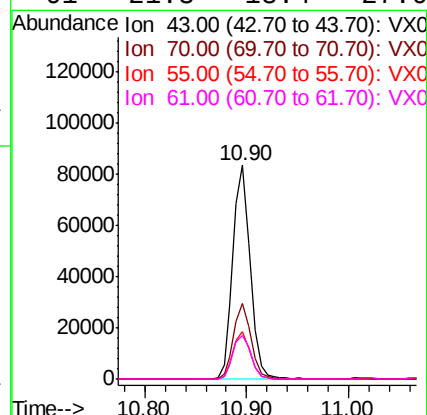
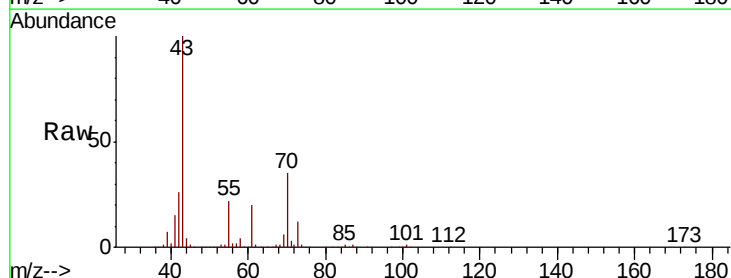
Ion Ratio Lower Upper

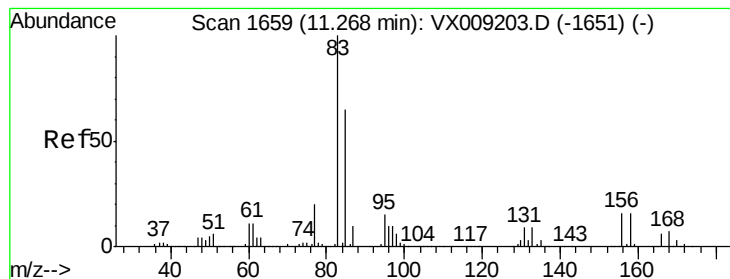
43 100

70 35.5 30.0 45.0

55 22.4 17.9 26.9

61 21.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.088 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

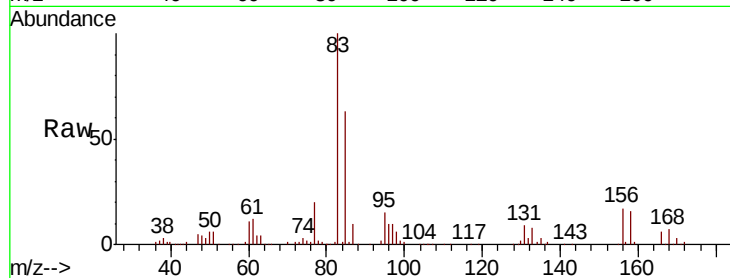
Tot Ion: 83 Resp: 60027

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

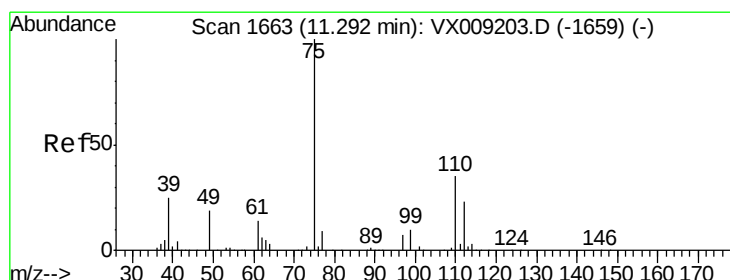
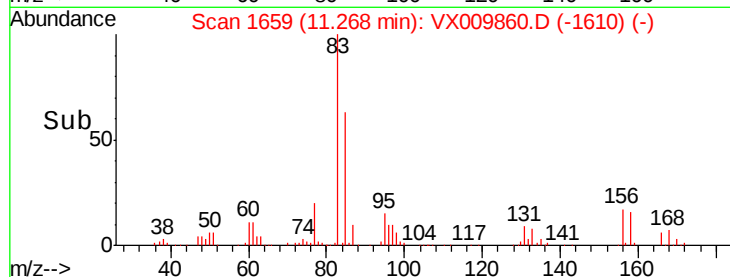
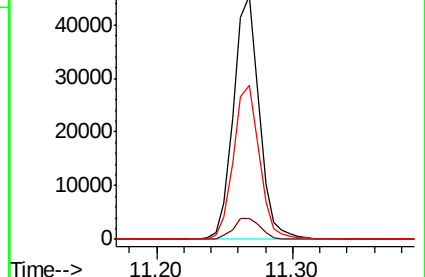
85 63.7 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX009203.D (-1651) (-)

Ion 130.80 (130.50 to 131.50): VX009203.D (-1651) (-)

Ion 84.90 (84.60 to 85.60): VX009203.D (-1651) (-)



#76

1,2,3-Trichloropropane

Concen: 22.511 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009860.D

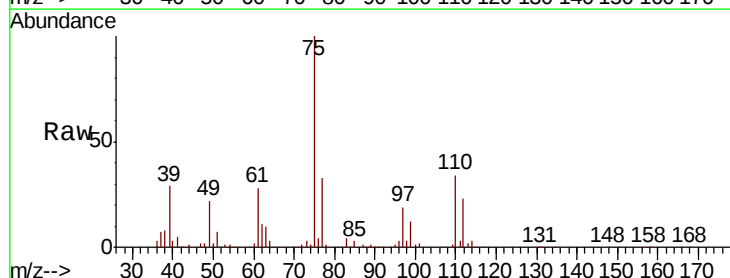
Acq: 23 May 2019 15:54

Tgt Ion: 75 Resp: 67664

Ion Ratio Lower Upper

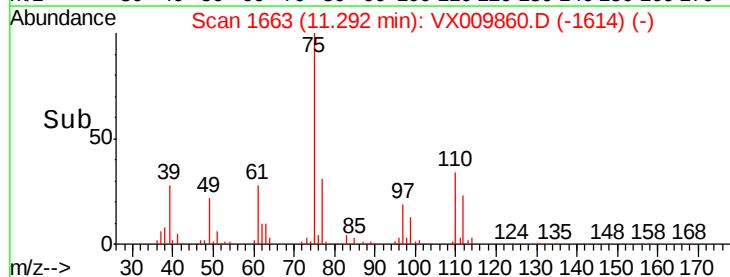
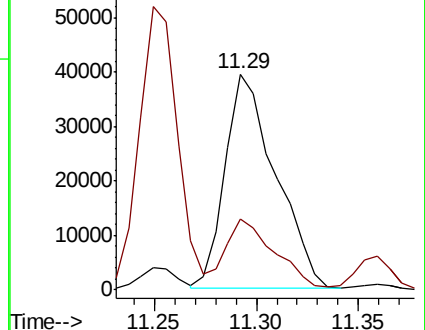
75 100

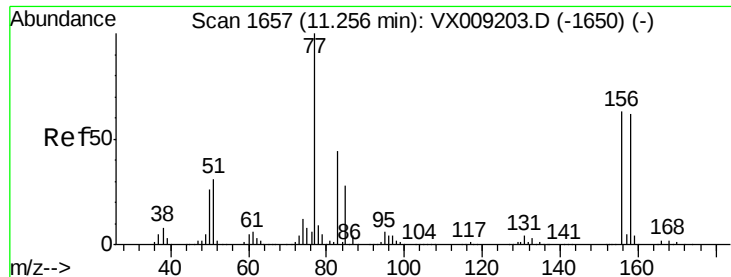
77 32.5 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX009203.D (-1659) (-)

Ion 77.00 (76.70 to 77.70): VX009203.D (-1659) (-)





#77

Bromobenzene

Concen: 16.950 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

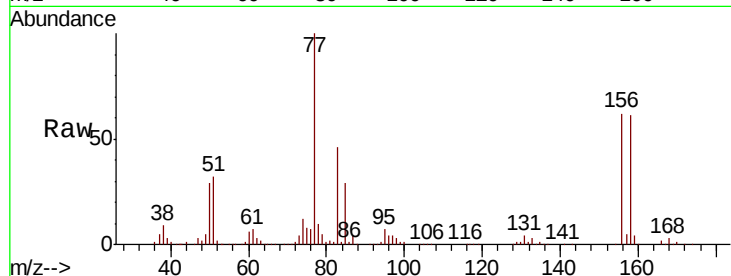
Tot Ion:156 Resp: 39644

Ion Ratio Lower Upper

156 100

77 171.1 84.8 254.3

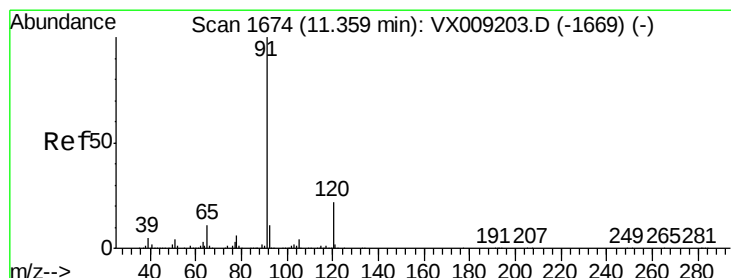
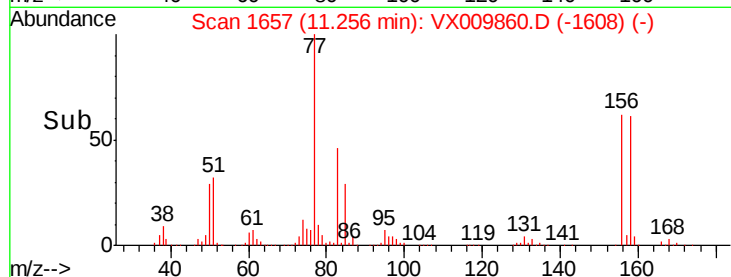
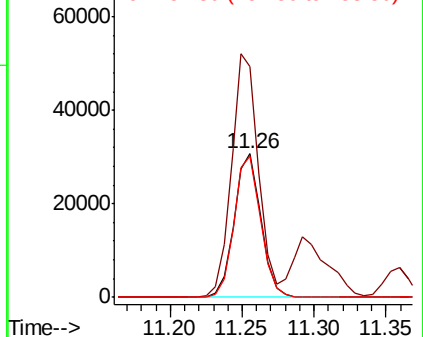
158 98.3 49.1 147.3



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: 17.309 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009860.D

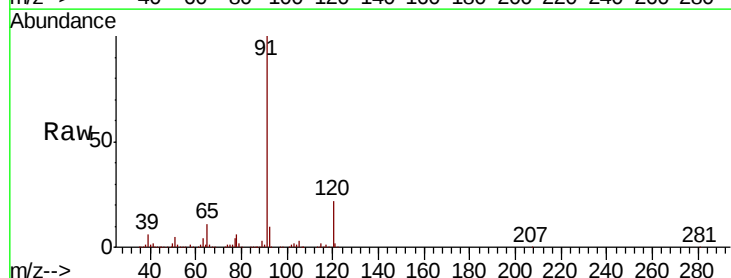
Acq: 23 May 2019 15:54

Tgt Ion: 91 Resp: 186269

Ion Ratio Lower Upper

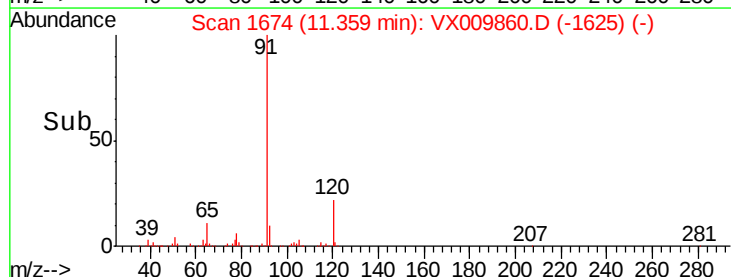
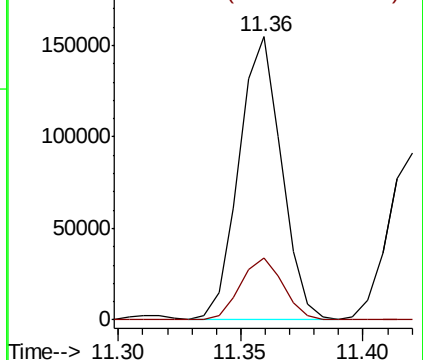
91 100

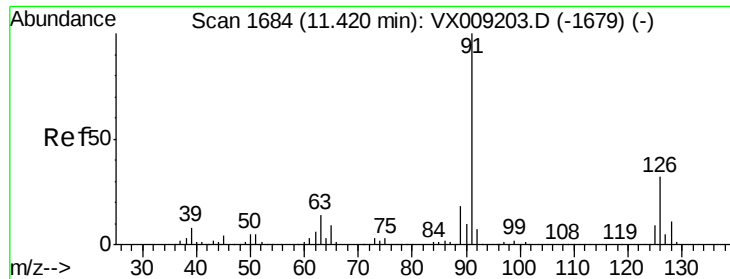
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.728 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

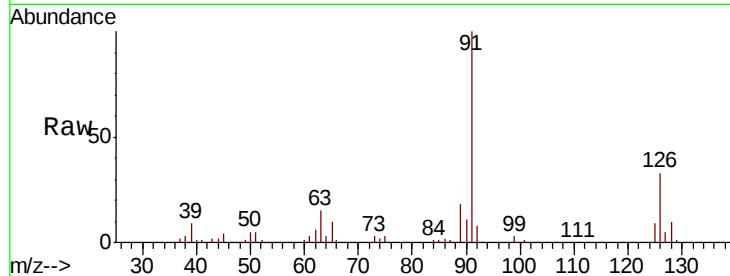
ClientSampleId :

Tot Ion: 91 Resp: 111063

Ion Ratio Lower Upper

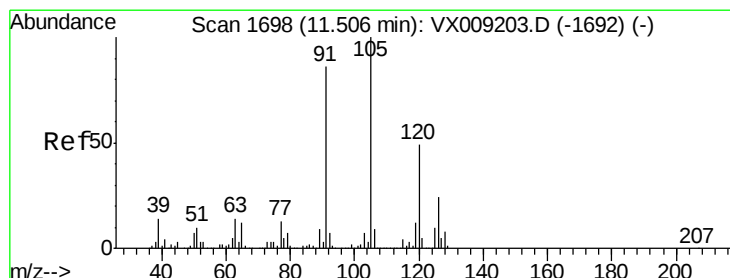
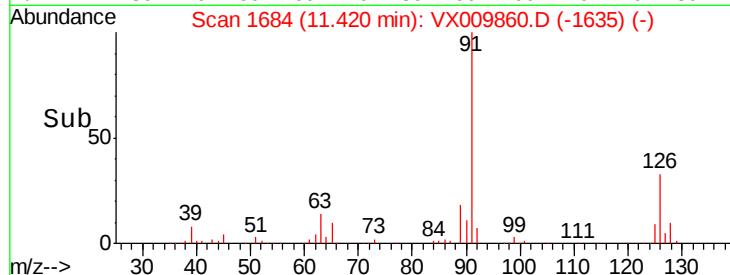
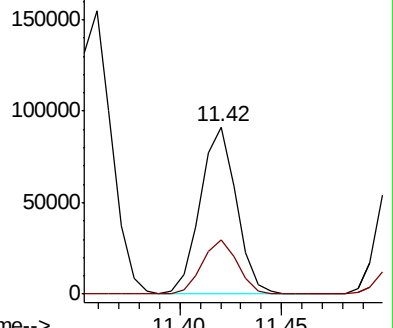
91 100

126 32.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX009203.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.312 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009860.D

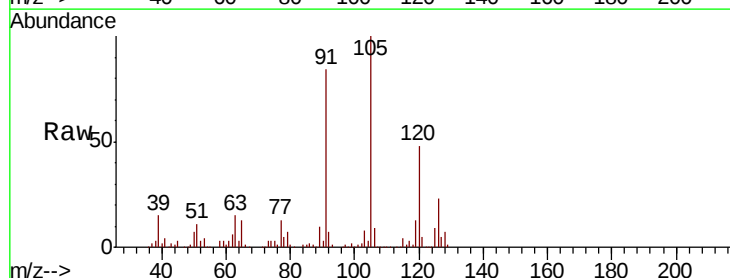
Acq: 23 May 2019 15:54

Tgt Ion:105 Resp: 137355

Ion Ratio Lower Upper

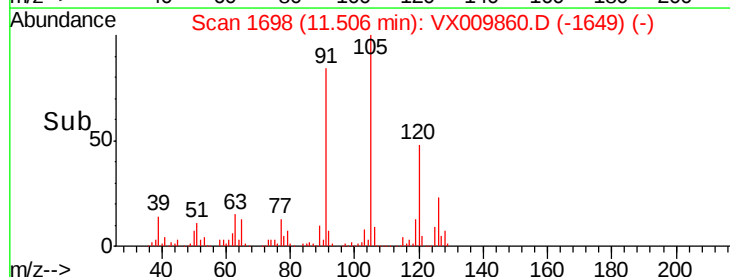
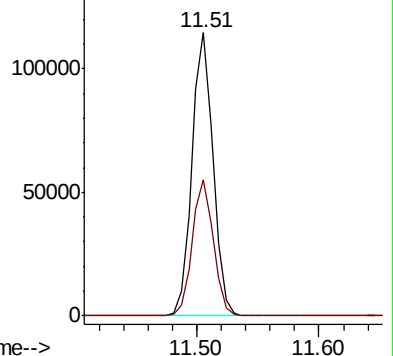
105 100

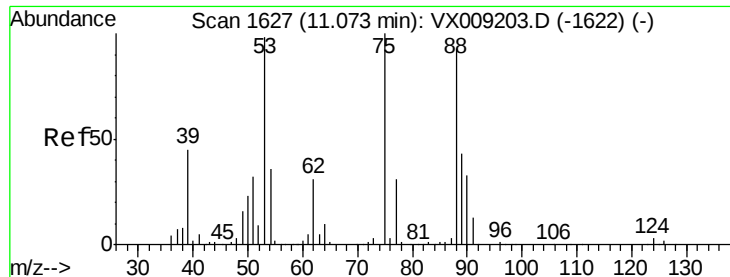
120 47.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009203.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009203.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.584 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

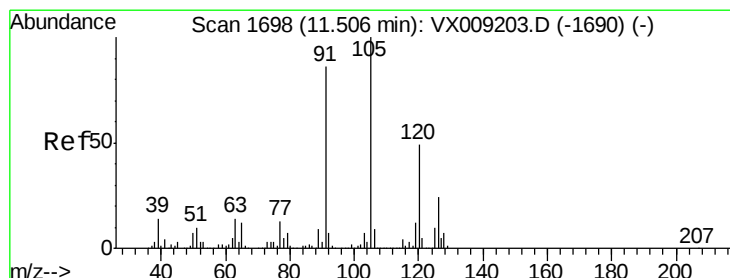
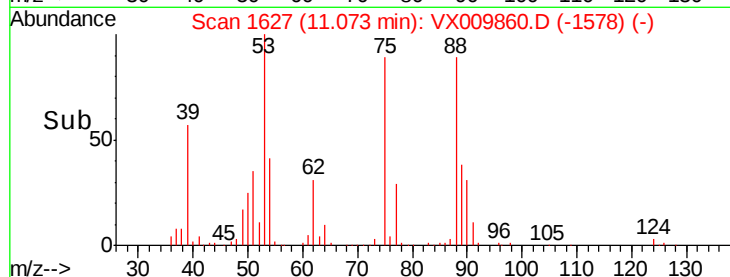
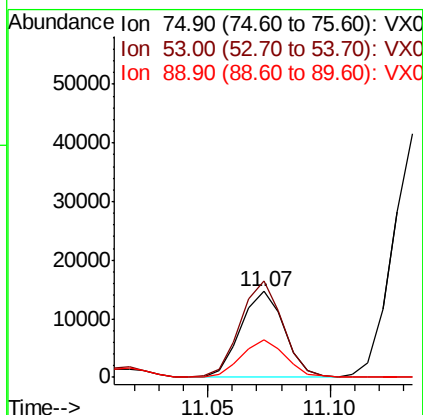
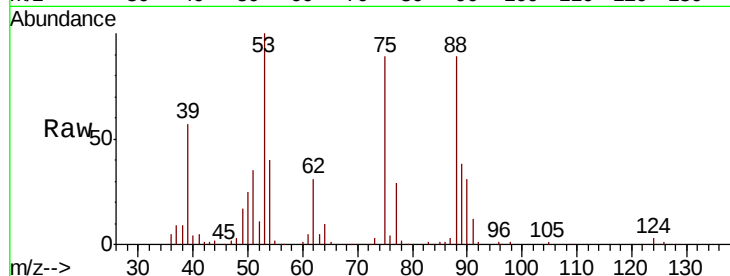
Tot Ion: 75 Resp: 18308

Ion Ratio Lower Upper

75 100

53 109.6 79.0 118.6

89 43.5 34.7 52.1



#82

4-Chlorotoluene

Concen: 16.978 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009860.D

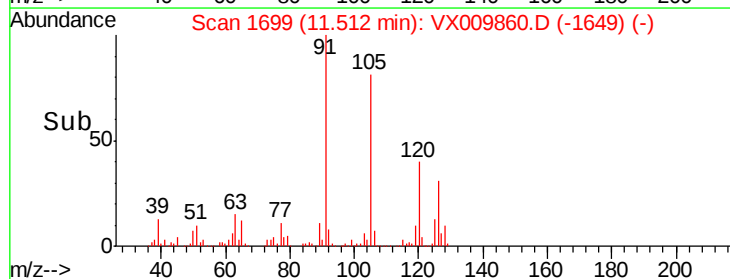
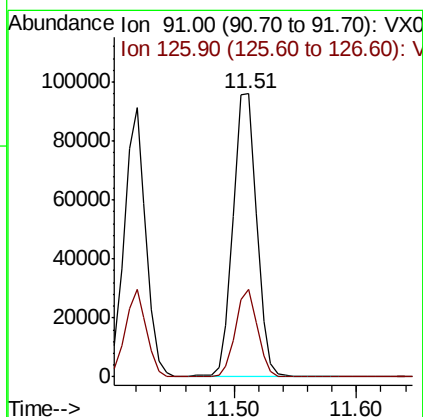
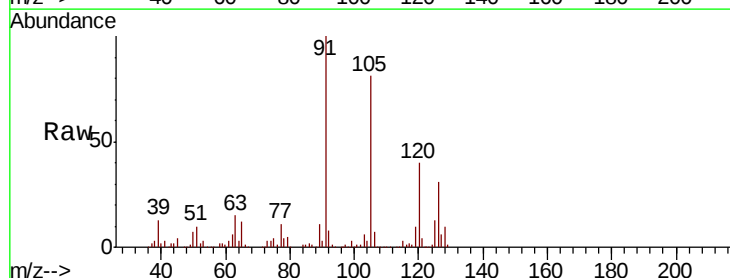
Acq: 23 May 2019 15:54

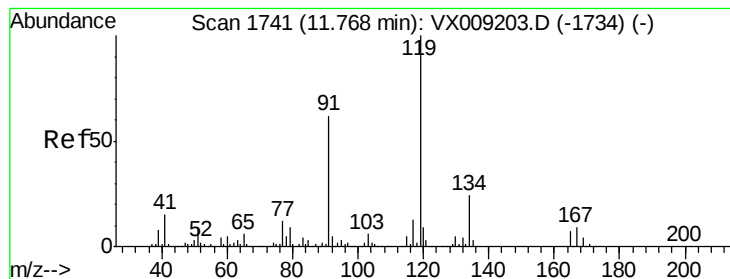
Tgt Ion: 91 Resp: 127343

Ion Ratio Lower Upper

91 100

126 29.1 14.5 43.6





#83

tert-Butylbenzene

Concen: 16.702 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

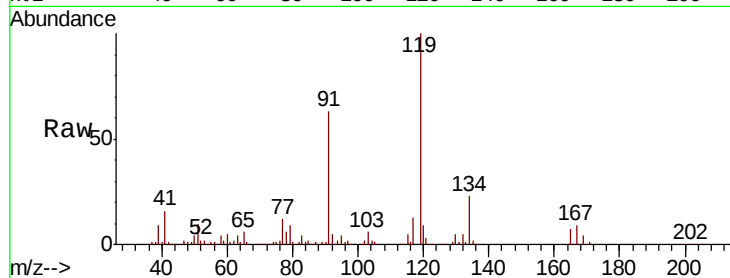
Tot Ion:119 Resp: 128915

Ion Ratio Lower Upper

119 100

91 61.2 29.5 88.5

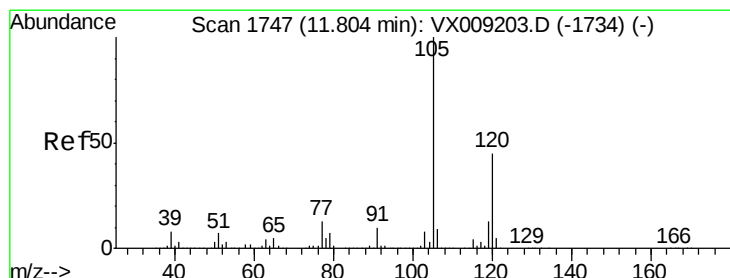
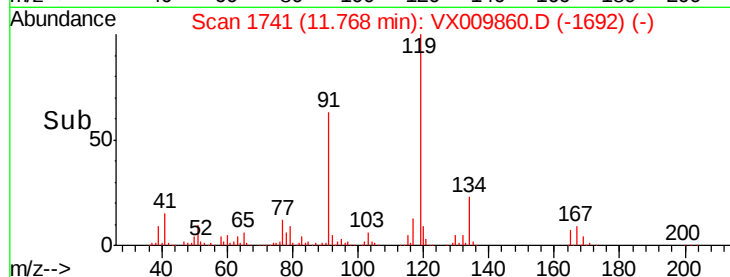
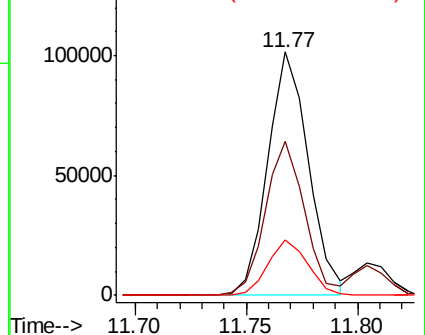
134 22.5 11.4 34.1



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: 17.430 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009860.D

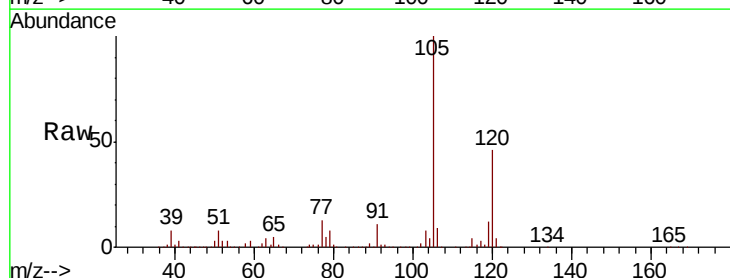
Acq: 23 May 2019 15:54

Tgt Ion:105 Resp: 138811

Ion Ratio Lower Upper

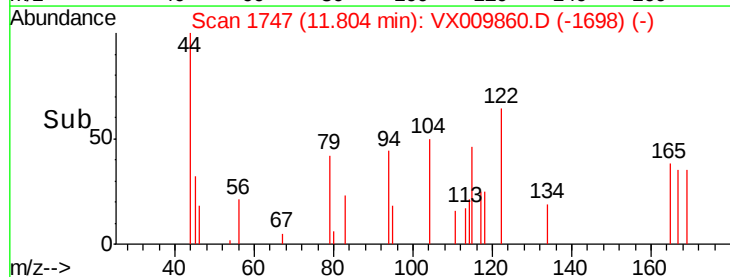
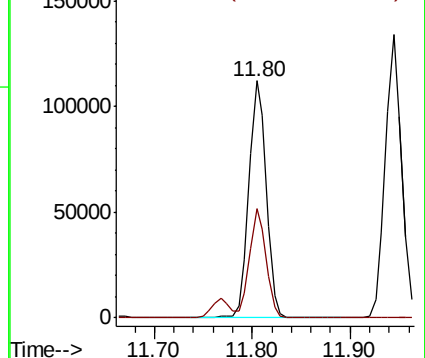
105 100

120 43.3 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.068 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

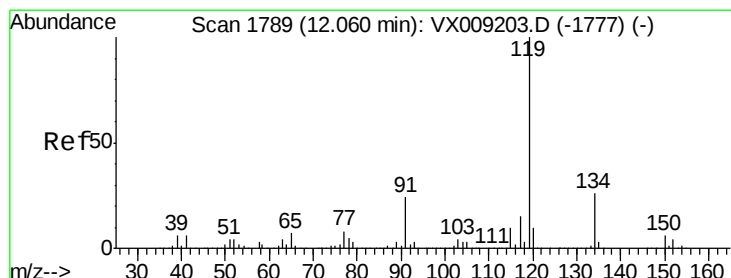
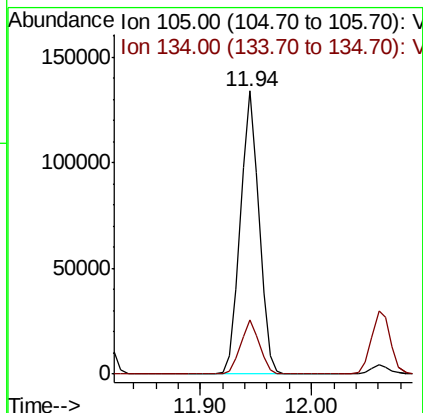
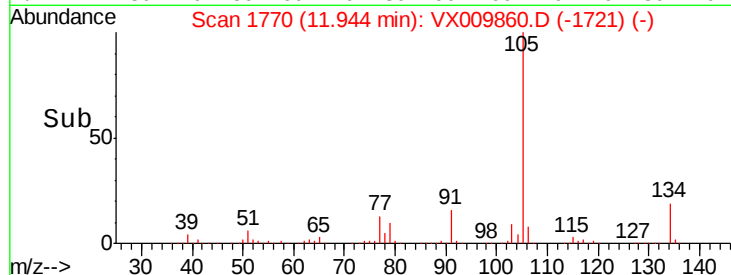
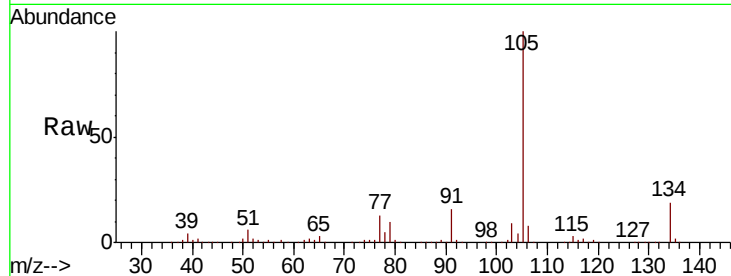
ClientSampled :

Tot Ion:105 Resp: 156184

Ion Ratio Lower Upper

105 100

134 19.0 9.7 28.9



#86

p-Isopropyltoluene

Concen: 16.938 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

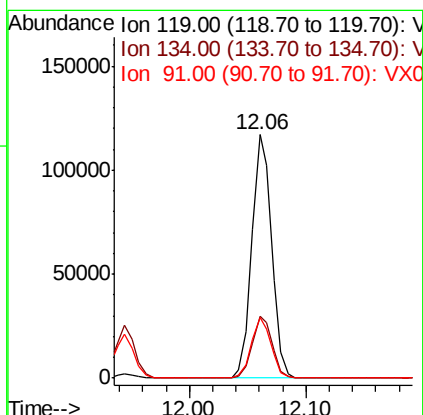
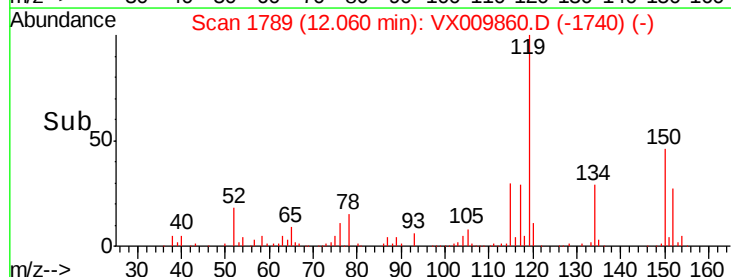
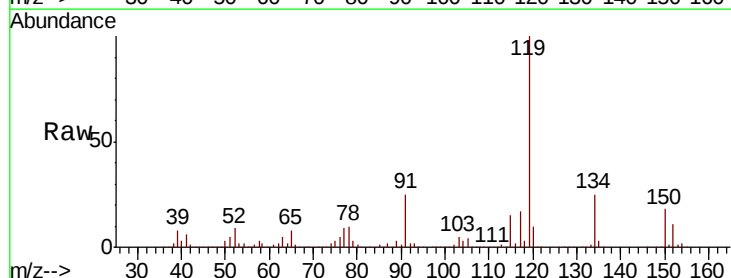
Tgt Ion:119 Resp: 139335

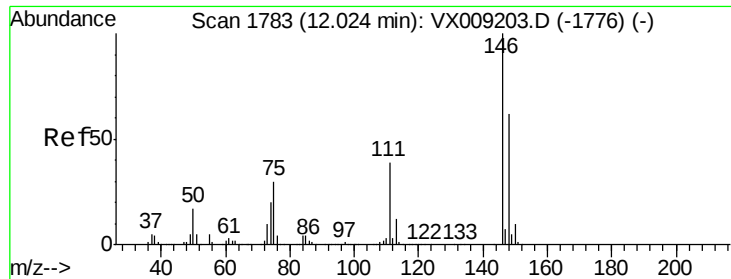
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 25.0 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 16.752 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009860.D

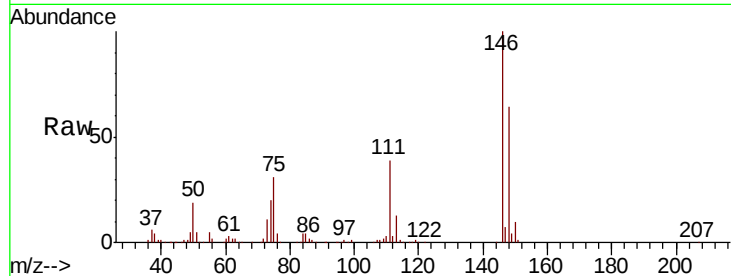
Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:146	Resp:	69845
Ion	Ratio	Lower Upper
146	100	
111	40.4	20.0 59.9
148	63.8	31.8 95.3

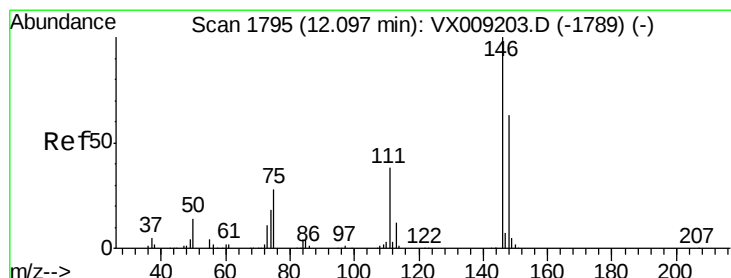
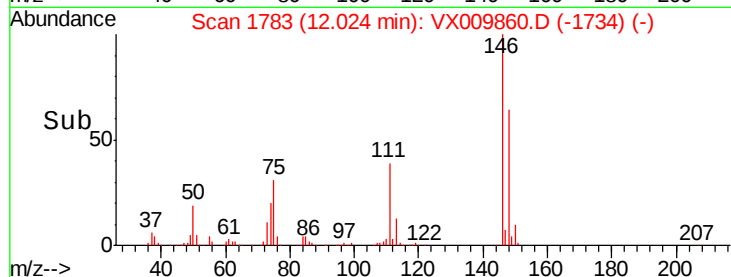
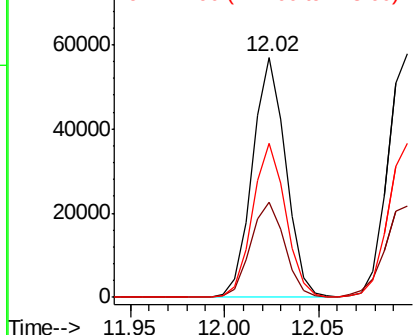


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 16.823 ug/l

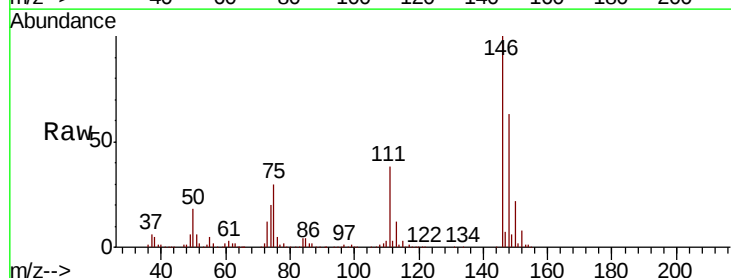
RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Tgt Ion:146	Resp:	70716
Ion	Ratio	Lower Upper
146	100	
111	41.1	19.6 58.8
148	63.6	31.8 95.3

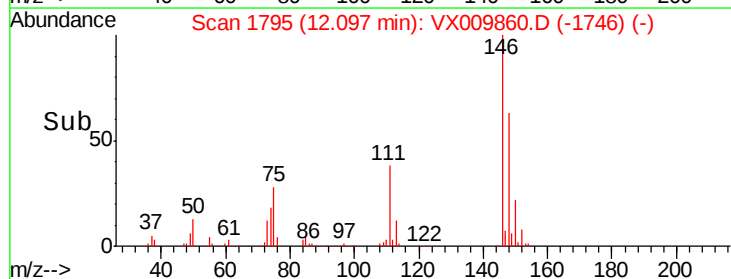
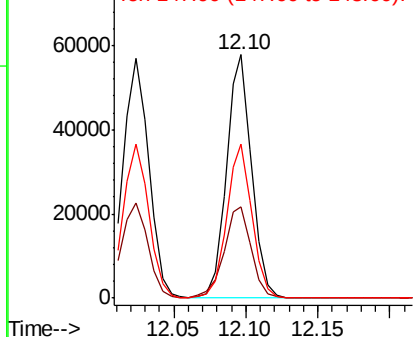


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

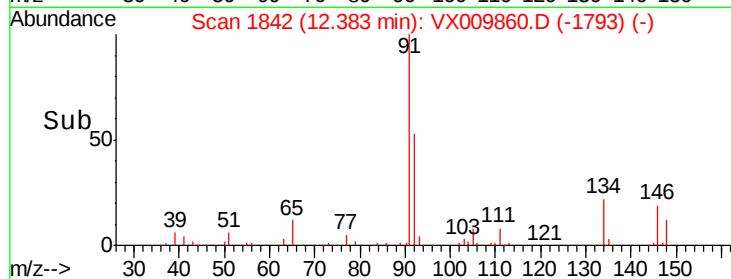
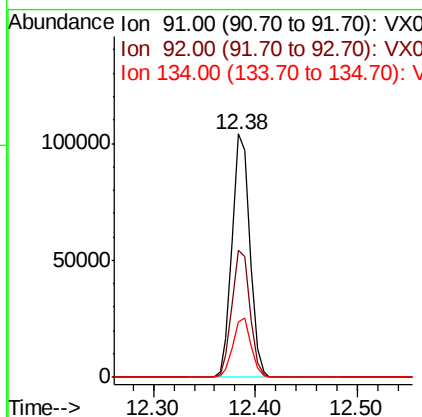
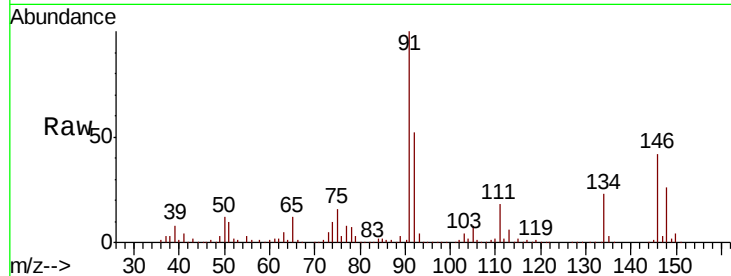




#89
n-Butylbenzene
Concen: 16.801 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

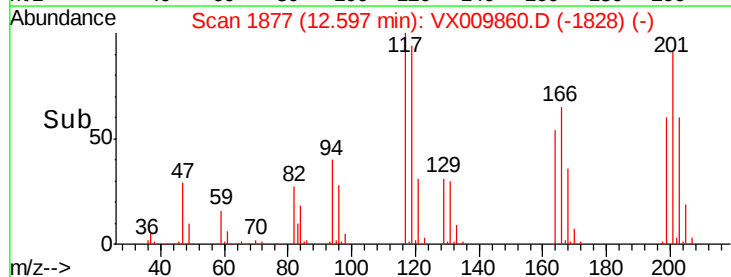
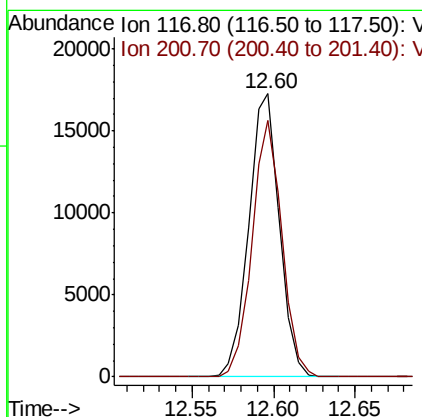
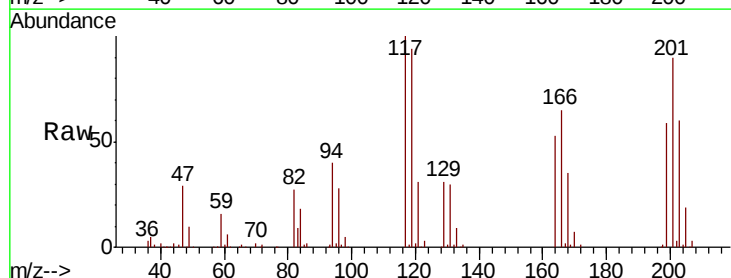
Instrument :
MSVOA_X
ClientSampled :

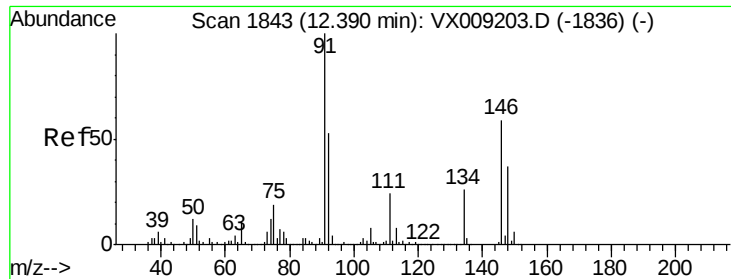
Tot Ion: 91 Resp: 124917
Ion Ratio Lower Upper
91 100
92 53.0 26.5 79.5
134 24.6 12.4 37.2



#90
Hexachloroethane
Concen: 16.153 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009860.D
Acq: 23 May 2019 15:54

Tgt Ion: 117 Resp: 22638
Ion Ratio Lower Upper
117 100
201 87.6 42.3 126.9

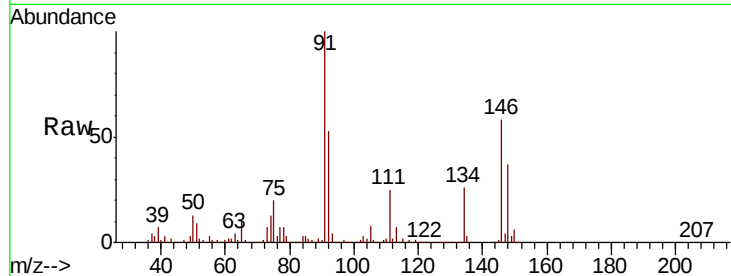




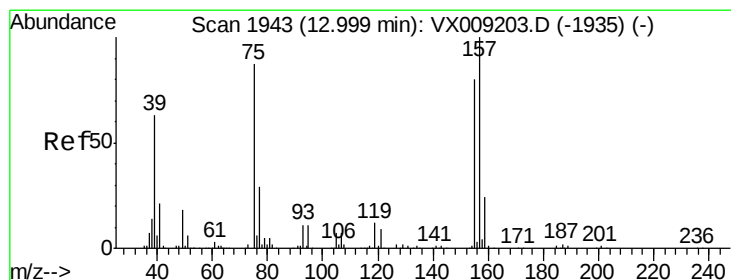
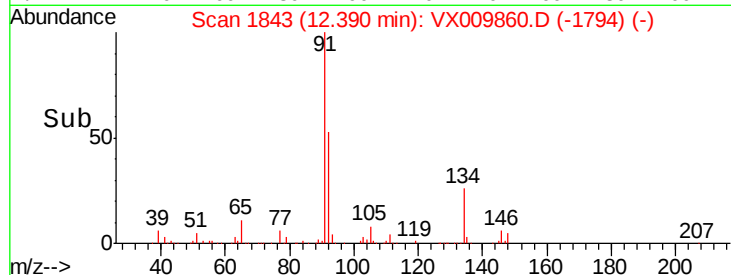
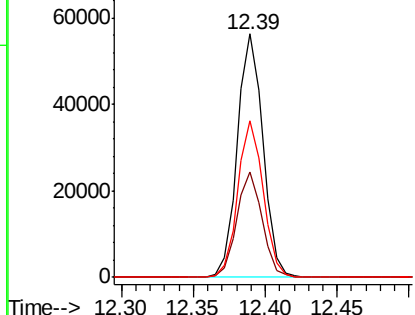
#91
 1,2-Dichlorobenzene
 Concen: 16.448 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 69851
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.8 62.4
 148 63.6 31.9 95.9

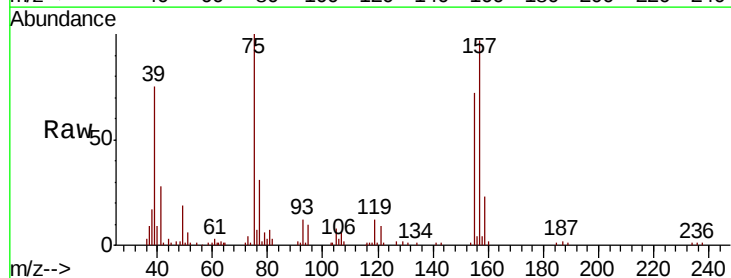


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

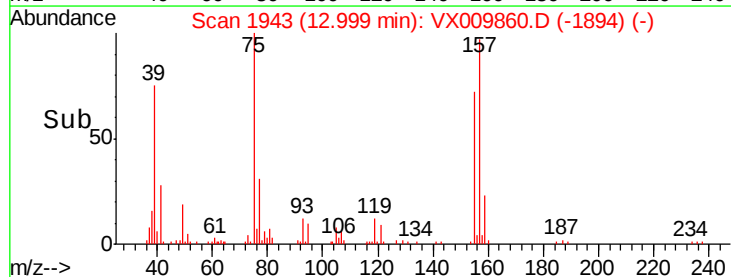
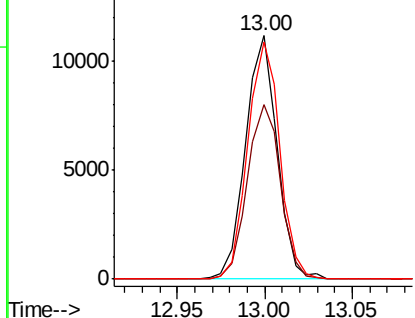


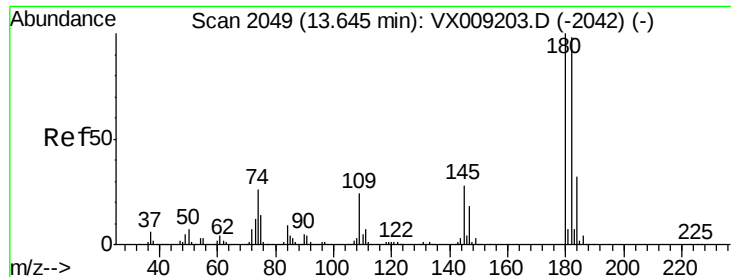
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.765 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion: 75 Resp: 13999
 Ion Ratio Lower Upper
 75 100
 155 75.0 42.0 126.0
 157 98.7 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

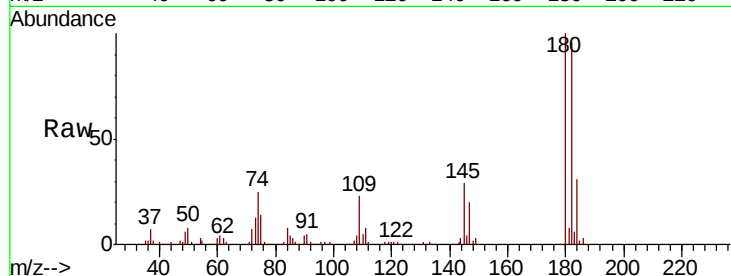




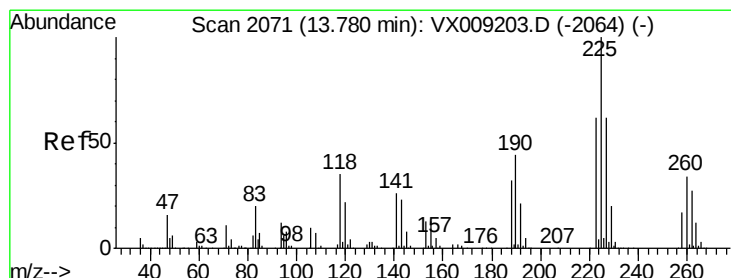
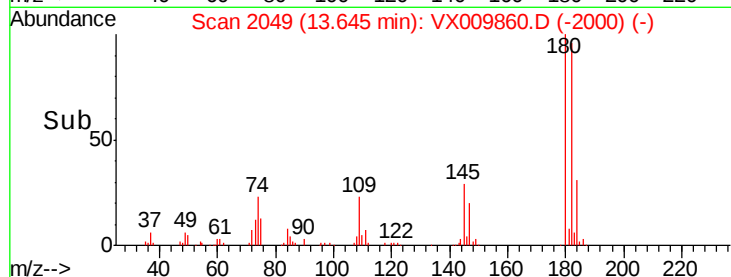
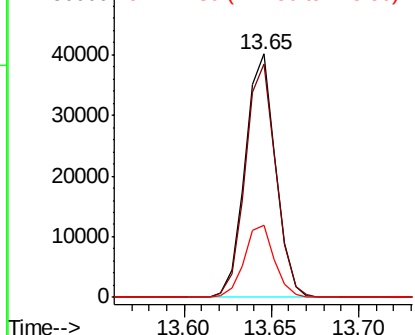
#93
 1,2,4-Trichlorobenzene
 Concen: 16.770 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 48701
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.4 145.2
 145 29.2 14.6 43.8

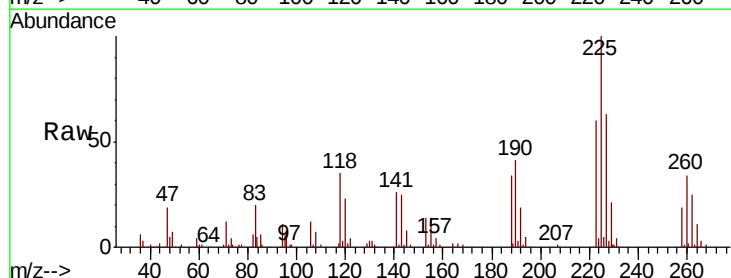


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

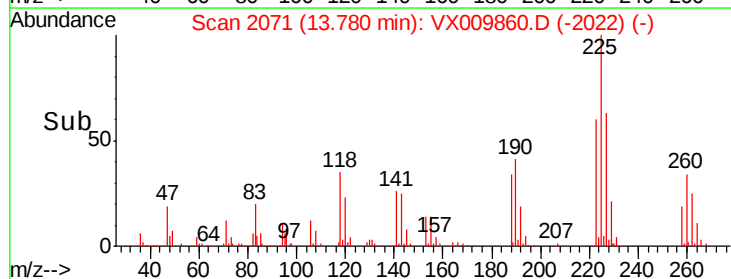
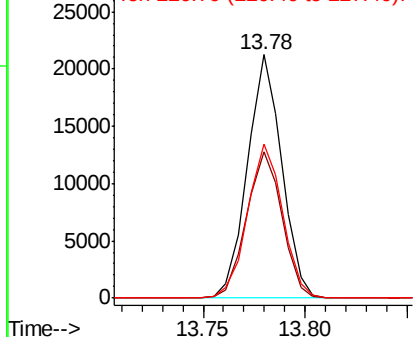


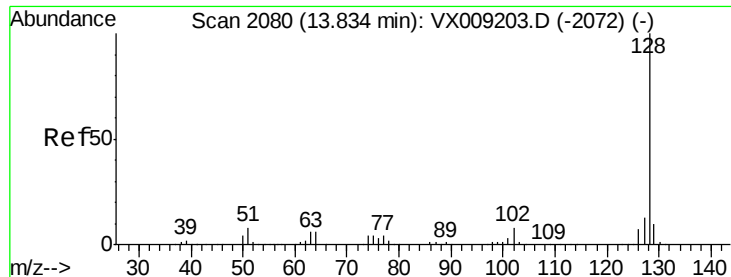
#94
 Hexachlorobutadiene
 Concen: 16.791 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009860.D
 Acq: 23 May 2019 15:54

Tgt Ion:225 Resp: 24900
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.3 93.8
 227 65.0 31.8 95.3



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: 16.560 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

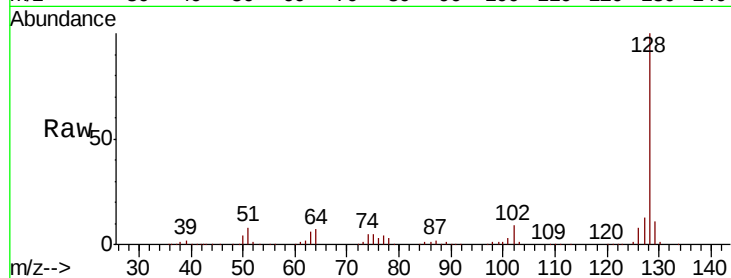
Tot Ion:128 Resp: 156464

Ion Ratio Lower Upper

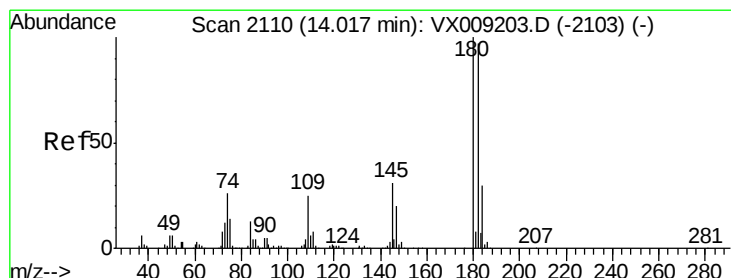
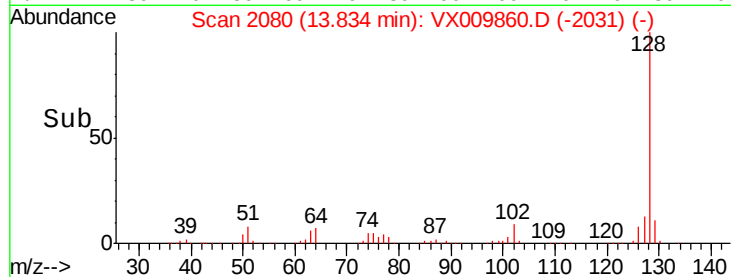
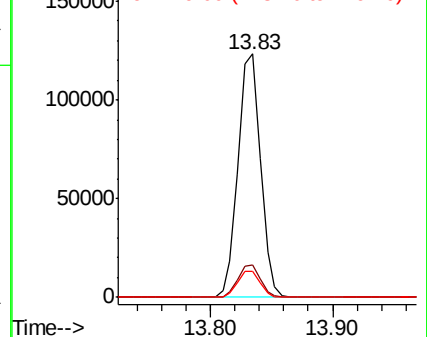
128 100

127 13.4 10.4 15.6

129 10.9 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 16.373 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009860.D

Acq: 23 May 2019 15:54

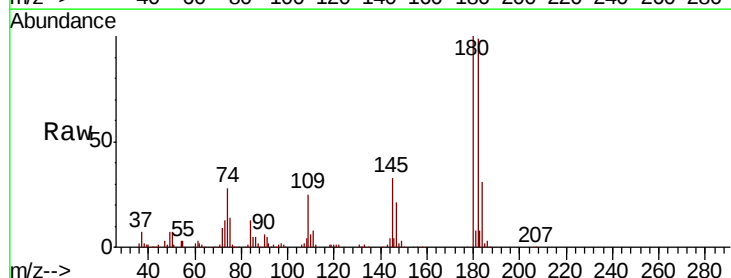
Tgt Ion:180 Resp: 48197

Ion Ratio Lower Upper

180 100

182 98.3 47.8 143.4

145 31.6 15.4 46.4



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

