

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009588.D
 Acq On : 15 May 2019 18:21
 Operator : JC/SP
 Sample : VX0515MBSD01
 Misc : 5.0µl/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:12:13 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	5.67	168	140566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	226308	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	206369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	94923	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	5.50	113	69457	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	8.71	98	274949	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	11.13	95	100255	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	22476	17.351	ug/l 100
3) Chloromethane	1.32	50	36044	20.381	ug/l 100
4) Vinyl Chloride	1.41	62	34611	20.070	ug/l 99
5) Bromomethane	1.64	94	21310	20.588	ug/l 95
6) Chloroethane	1.72	64	23102	20.866	ug/l 99
7) Trichlorofluoromethane	1.93	101	42900	20.466	ug/l 98
8) Diethyl Ether	2.19	74	20687	20.834	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	26214	19.914	ug/l 99
10) Methyl Iodide	2.51	142	27496	20.920	ug/l 99
11) Tert butyl alcohol	3.05	59	49194	110.753	ug/l 99
12) 1,1-Dichloroethene	2.37	96	27201	20.624	ug/l 94
13) Acrolein	2.29	56	36815	91.520	ug/l 99
14) Allyl chloride	2.73	41	62329	19.392	ug/l 98
15) Acrylonitrile	3.14	53	115496	106.345	ug/l 99
16) Acetone	2.45	43	103030	99.993	ug/l 99
17) Carbon Disulfide	2.57	76	70117	18.935	ug/l 99
18) Methyl Acetate	2.78	43	51318	20.942	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	104833	20.468	ug/l 99
20) Methylene Chloride	2.85	84	33686	20.192	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	28846	20.167	ug/l 99
22) Diisopropyl ether	3.86	45	129164	20.896	ug/l 96
23) Vinyl Acetate	3.82	43	563439	106.448	ug/l 100
24) 1,1-Dichloroethane	3.70	63	62528	20.506	ug/l 99
25) 2-Butanone	4.67	43	172354	107.643	ug/l 99
26) 2,2-Dichloropropane	4.59	77	39677	17.481	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	34892	20.437	ug/l 97
28) Bromochloromethane	5.02	49	22264	16.290	ug/l 98
29) Tetrahydrofuran	5.13	42	113658	110.311	ug/l 99
30) Chloroform	5.21	83	57149	20.722	ug/l 98
31) Cyclohexane	5.58	56	57144	20.143	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	46893	20.425	ug/l 98
36) 1,1-Dichloropropene	5.80	75	41767	19.860	ug/l 99
37) Ethyl Acetate	4.84	43	62961	21.487	ug/l 99
38) Carbon Tetrachloride	5.78	117	38301	20.044	ug/l 94

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Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:12:13 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	50806	19.671	ug/l	98
40) Benzene	6.15	78	133661	20.536	ug/l	99
41) Methacrylonitrile	5.05	41	35324	20.251	ug/l	96
42) 1,2-Dichloroethane	6.20	62	50071	21.446	ug/l	100
43) Isopropyl Acetate	6.45	43	97839	20.874	ug/l	99
44) Trichloroethene	7.21	130	31549	20.050	ug/l	99
45) 1,2-Dichloropropane	7.51	63	38607	20.948	ug/l	100
46) Dibromomethane	7.66	93	22086	20.636	ug/l	98
47) Bromodichloromethane	7.90	83	42599	19.954	ug/l	100
48) Methyl methacrylate	7.77	41	49228	21.170	ug/l	98
49) 1,4-Dioxane	7.74	88	20426	433.135	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	334635	109.230	ug/l	99
52) Toluene	8.79	92	82328	20.808	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	47144	19.559	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	53351	19.998	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	34071	21.108	ug/l	96
56) Ethyl methacrylate	9.18	69	59278	20.573	ug/l	97
57) 1,3-Dichloropropane	9.37	76	59448	20.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	141801	92.769	ug/l	100
59) 2-Hexanone	9.49	43	261386	108.635	ug/l	99
60) Dibromochloromethane	9.58	129	31293	19.850	ug/l	99
61) 1,2-Dibromoethane	9.67	107	34097	20.927	ug/l	99
64) Tetrachloroethene	9.34	164	29006	20.490	ug/l	98
65) Chlorobenzene	10.14	112	84445	20.455	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	29953	20.013	ug/l	99
67) Ethyl Benzene	10.25	91	154634	20.353	ug/l	100
68) m/p-Xylenes	10.36	106	111718	40.238	ug/l	97
69) o-Xylene	10.70	106	55741	20.348	ug/l	100
70) Styrene	10.71	104	96418	20.251	ug/l	99
71) Bromoform	10.85	173	23542	19.356	ug/l #	99
73) Isopropylbenzene	11.02	105	148974	20.530	ug/l	99
74) N-amyl acetate	10.90	43	88373	20.890	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	56408	20.853	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	63741	27.538	ug/l	83
77) Bromobenzene	11.26	156	37001	20.544	ug/l	98
78) n-propylbenzene	11.36	91	166380	20.077	ug/l	99
79) 2-Chlorotoluene	11.42	91	103247	20.194	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	125101	20.475	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	16562	18.308	ug/l	90
82) 4-Chlorotoluene	11.51	91	116316	20.138	ug/l	99
83) tert-Butylbenzene	11.77	119	119586	20.120	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	125663	20.491	ug/l	99
85) sec-Butylbenzene	11.94	105	141939	20.143	ug/l	99
86) p-Isopropyltoluene	12.06	119	127459	20.120	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	64283	20.022	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	64535	19.937	ug/l	98
89) n-Butylbenzene	12.38	91	111318	19.442	ug/l	99
90) Hexachloroethane	12.60	117	20339	18.846	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	66328	20.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12875	21.217	ug/l	96

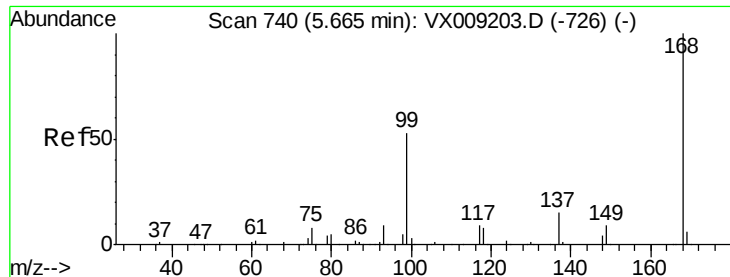
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
Data File : VX009588.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	44850	20.056	ug/l	98
94) Hexachlorobutadiene	13.78	225	22939	20.087	ug/l	99
95) Naphthalene	13.83	128	148682	20.436	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	46595	20.555	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

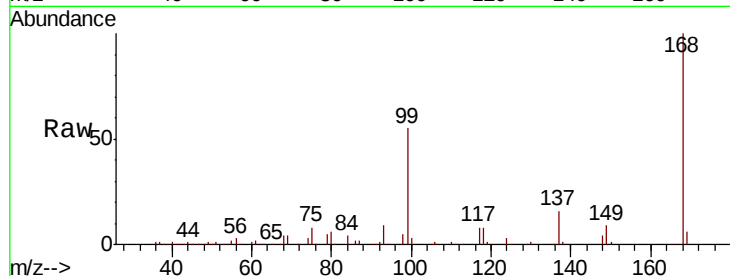
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 140566

Ion Ratio Lower Upper

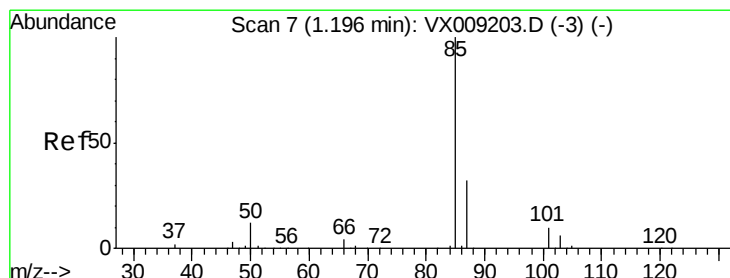
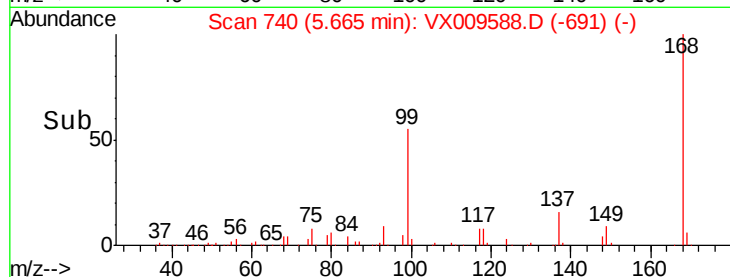
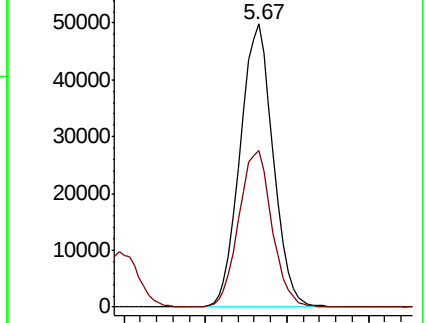
168 100

99 55.4 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: 17.351 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009588.D

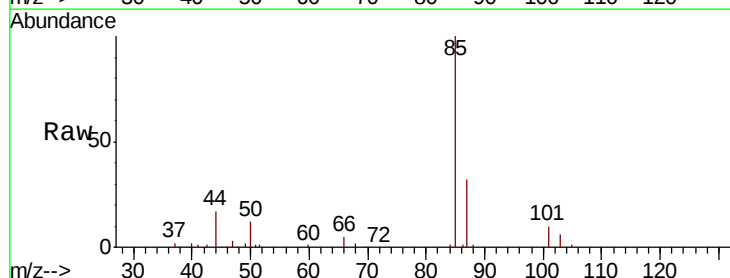
Acq: 15 May 2019 18:21

Tgt Ion: 85 Resp: 22476

Ion Ratio Lower Upper

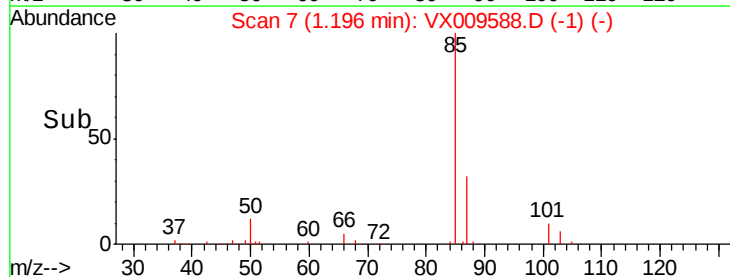
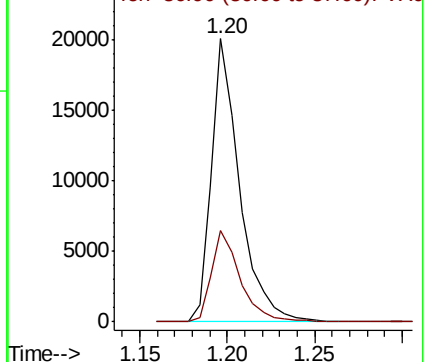
85 100

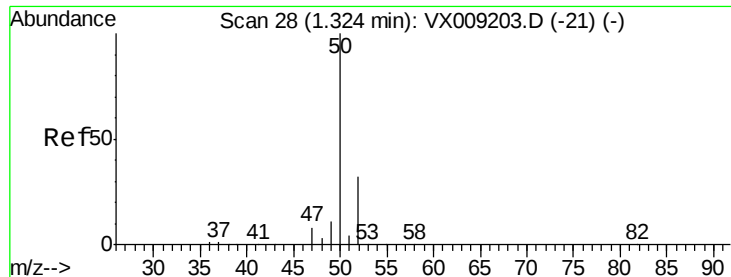
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

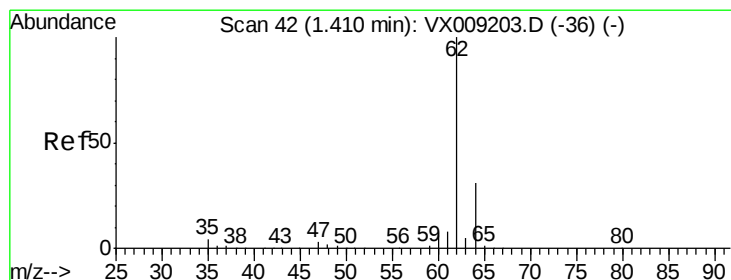
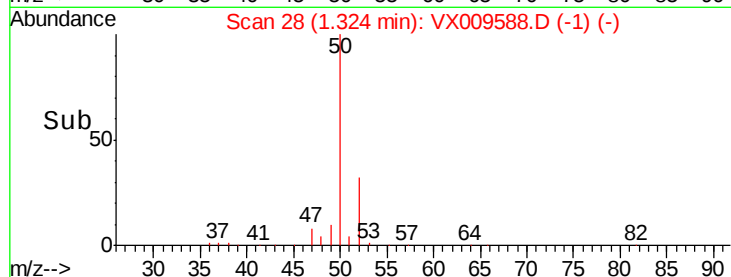
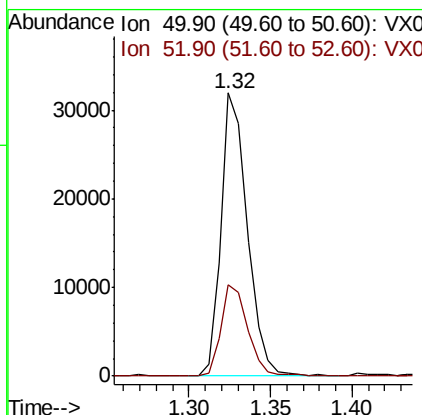
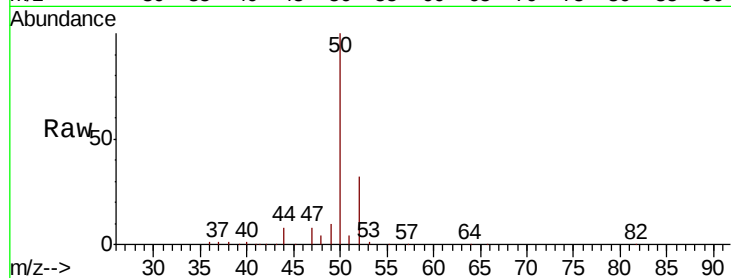




#3
Chloromethane
Concen: 20.381 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

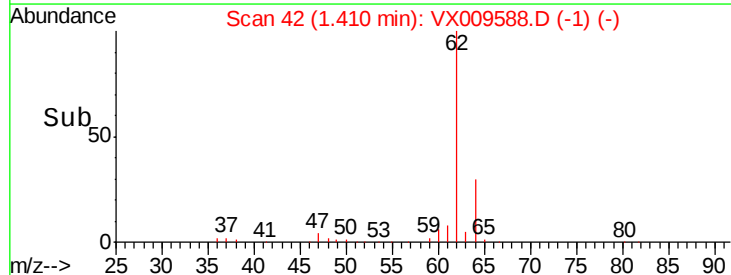
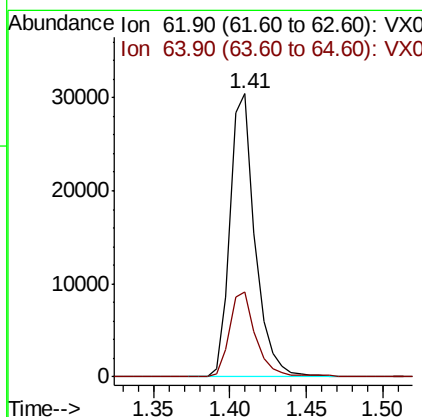
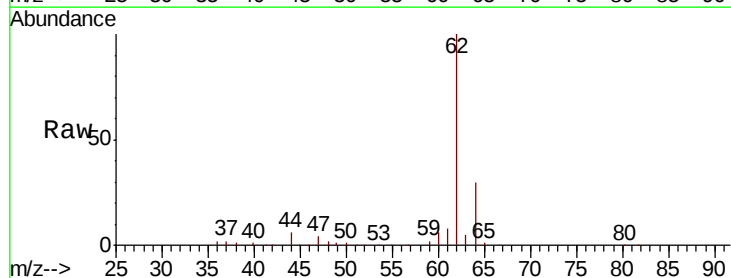
Instrument :
MSVOA_X
ClientSampleId :

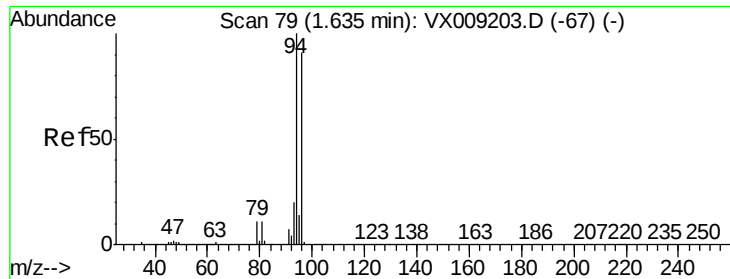
Tot Ion: 50 Resp: 36044
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9



#4
Vinyl Chloride
Concen: 20.070 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 62 Resp: 34611
Ion Ratio Lower Upper
62 100
64 30.0 24.6 36.8





#5

Bromomethane

Concen: 20.588 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

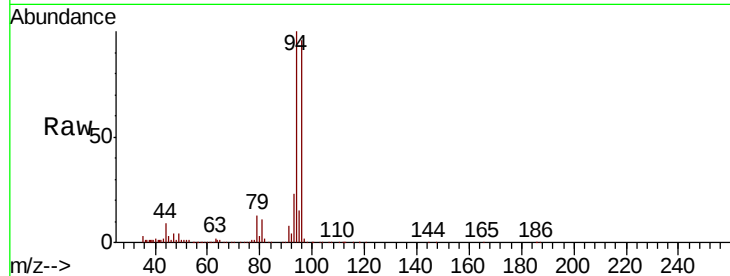
ClientSampleId :

Tot Ion: 94 Resp: 21310

Ion Ratio Lower Upper

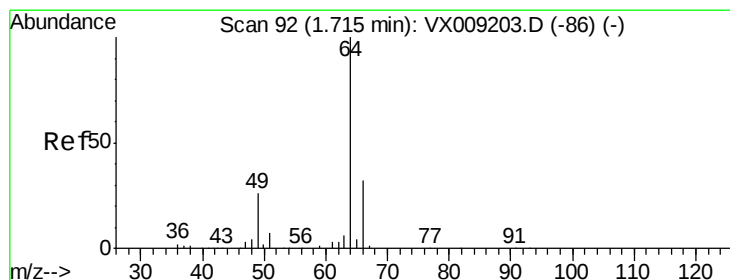
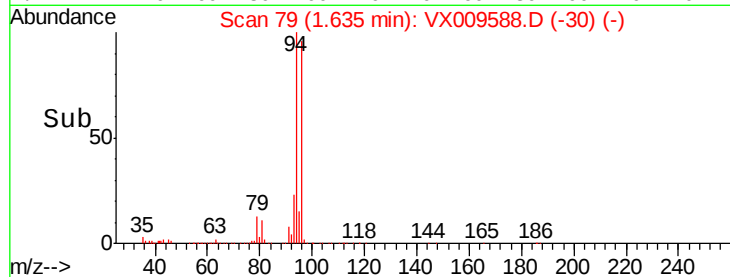
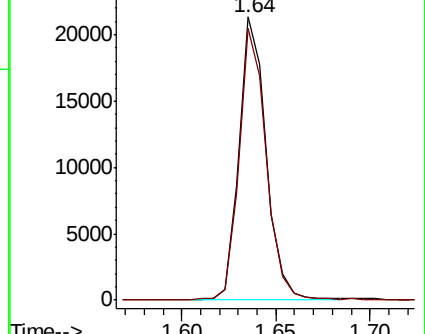
94 100

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: 20.866 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009588.D

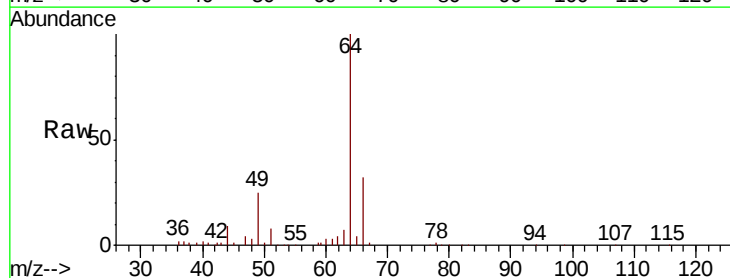
Acq: 15 May 2019 18:21

Tgt Ion: 64 Resp: 23102

Ion Ratio Lower Upper

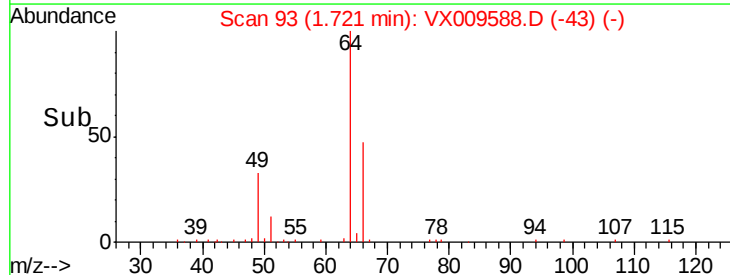
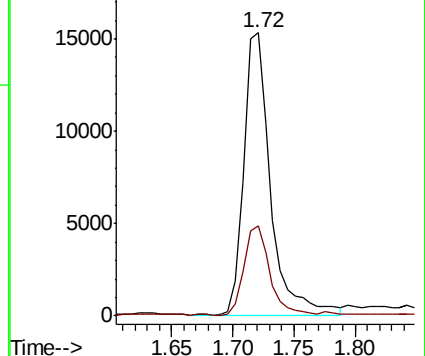
64 100

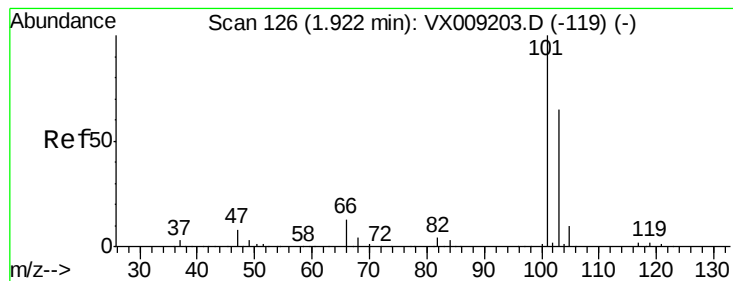
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



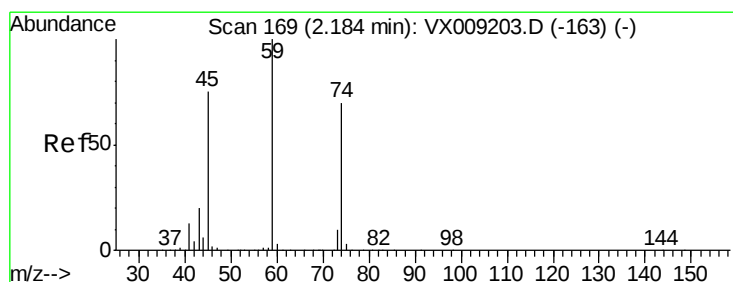
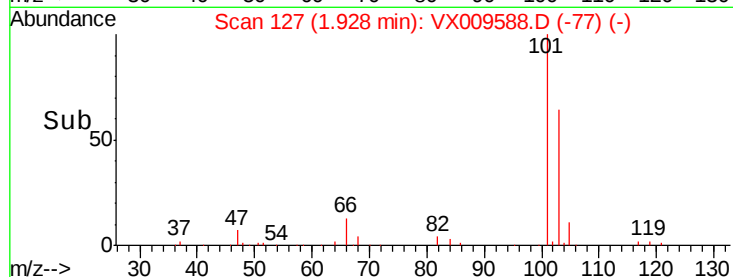
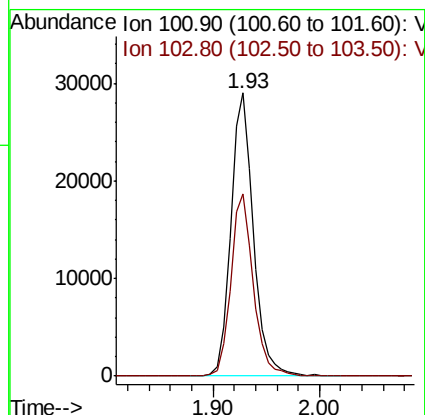
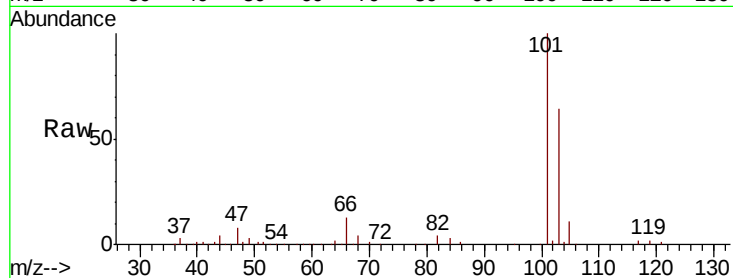


#7

Trichlorofluoromethane
 Concen: 20.466 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Instrument :
 MSVOA_X
 ClientSampleId :

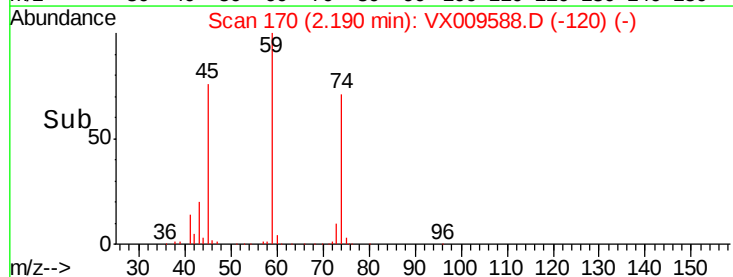
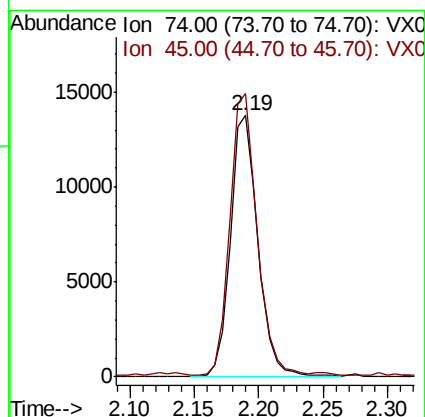
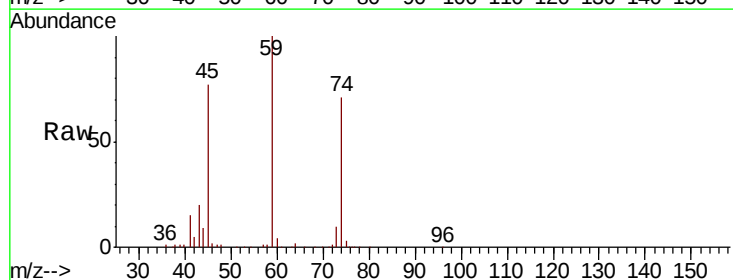
Tot Ion:101 Resp: 42900
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.4 78.6

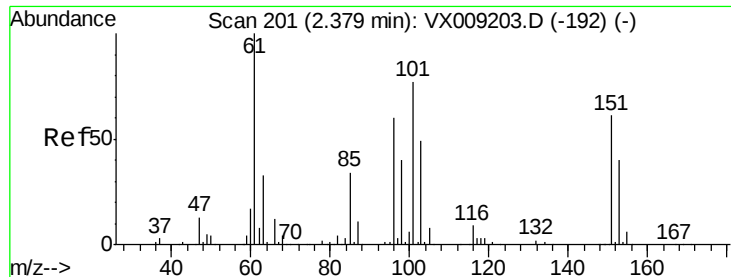


#8

Diethyl Ether
 Concen: 20.834 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Tgt Ion: 74 Resp: 20687
 Ion Ratio Lower Upper
 74 100
 45 105.9 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.914 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

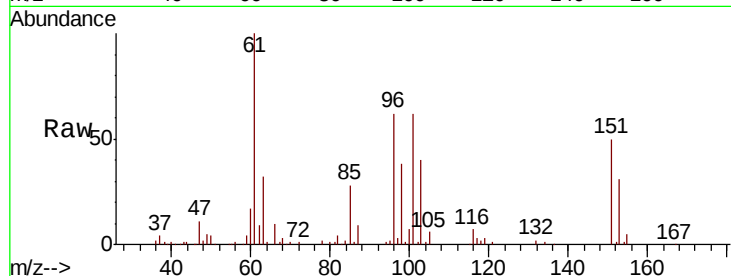
Tot Ion:101 Resp: 26214

Ion Ratio Lower Upper

101 100

85 42.8 35.7 53.5

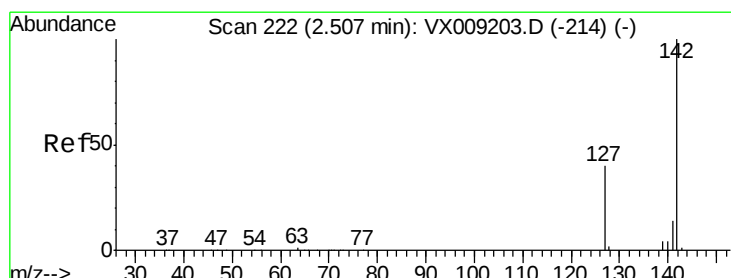
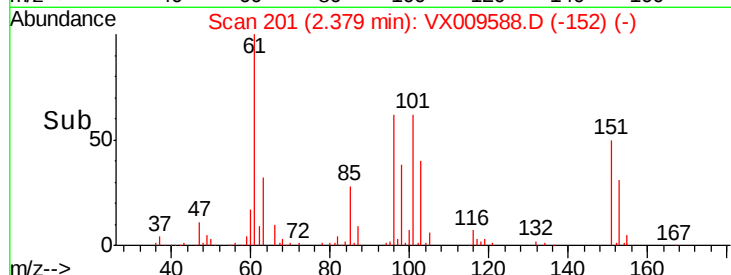
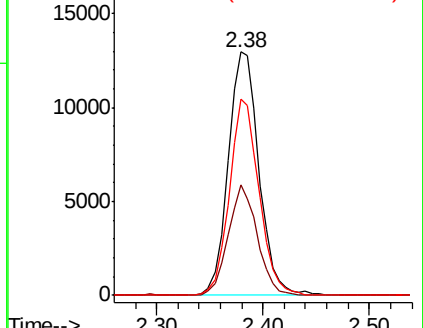
151 77.8 62.2 93.2



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: 20.920 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

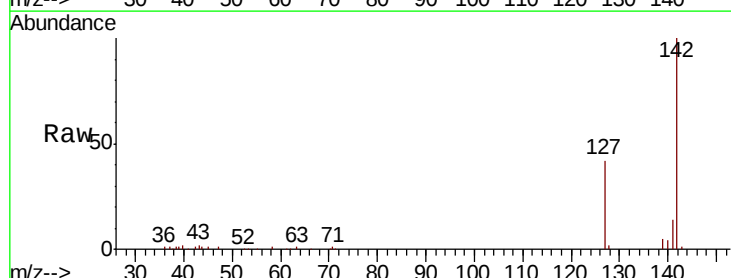
Tgt Ion:142 Resp: 27496

Ion Ratio Lower Upper

142 100

127 41.3 32.7 49.1

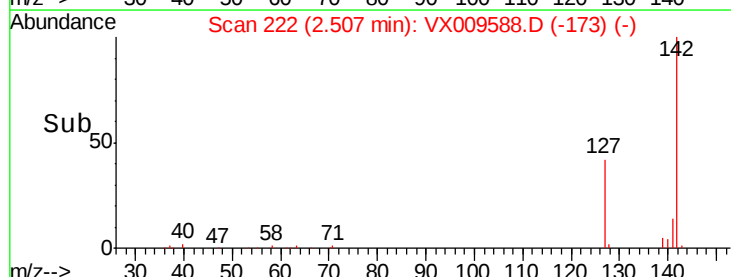
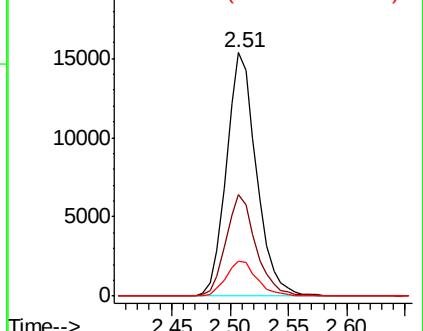
141 14.7 11.5 17.3

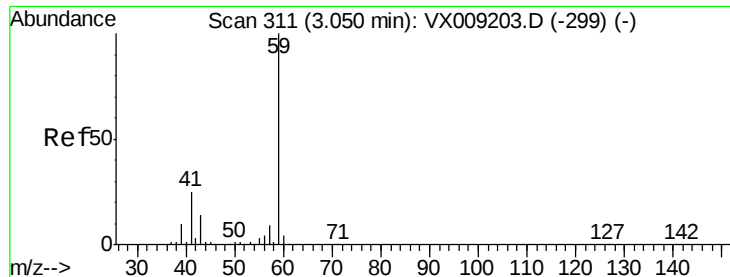


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

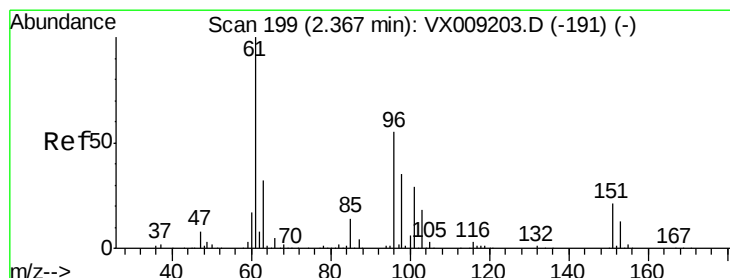
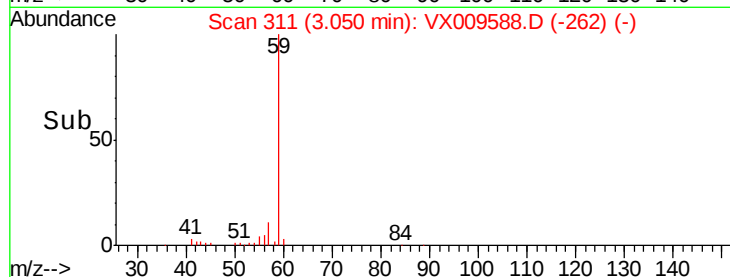
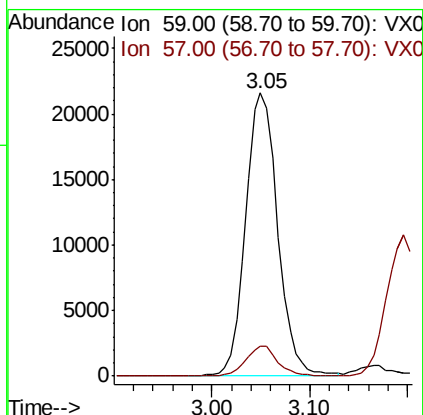
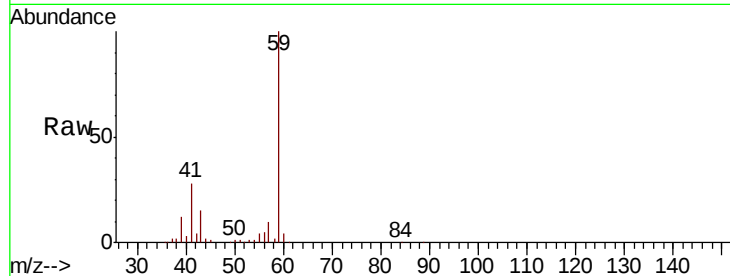




#11
Tert butyl alcohol
Concen: 110.753 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

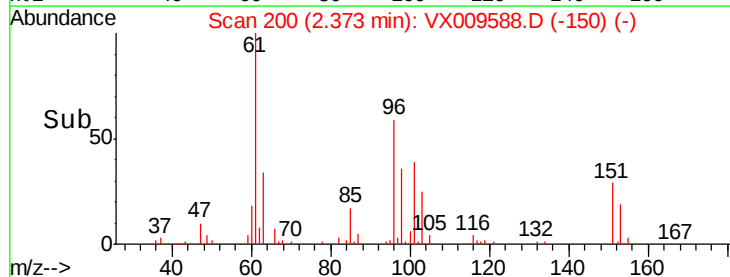
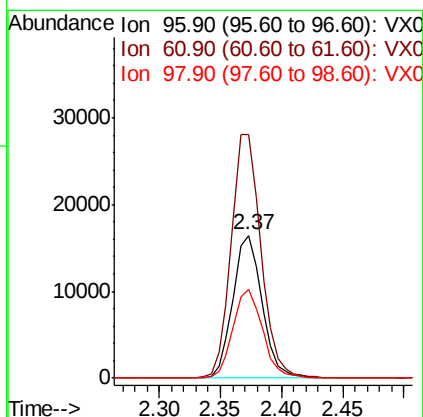
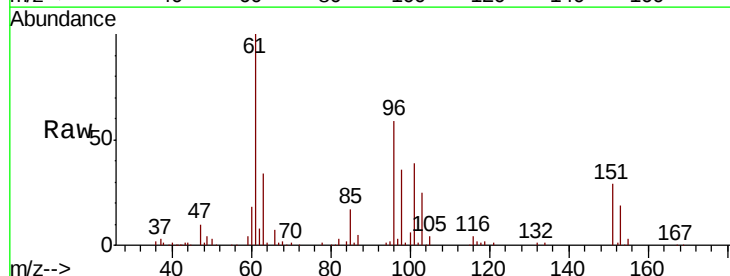
Instrument :
MSVOA_X
ClientSampled :

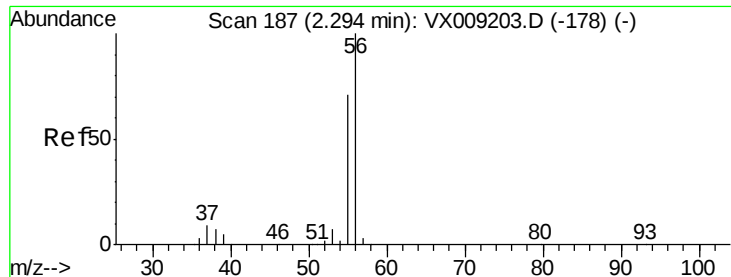
Tot Ion: 59 Resp: 49194
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2



#12
1,1-Dichloroethene
Concen: 20.624 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 96 Resp: 27201
Ion Ratio Lower Upper
96 100
61 170.3 144.3 216.5
98 62.1 50.3 75.5





#13

Acrolein

Concen: 91.520 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

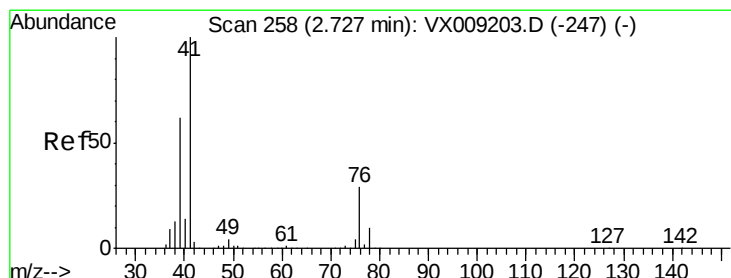
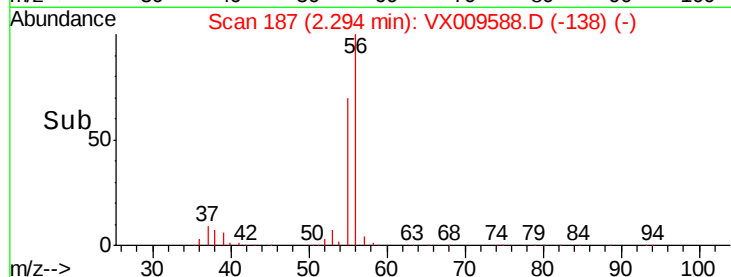
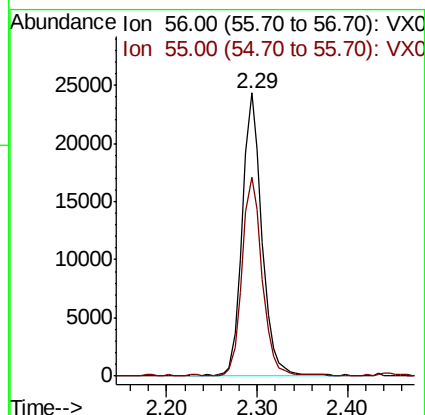
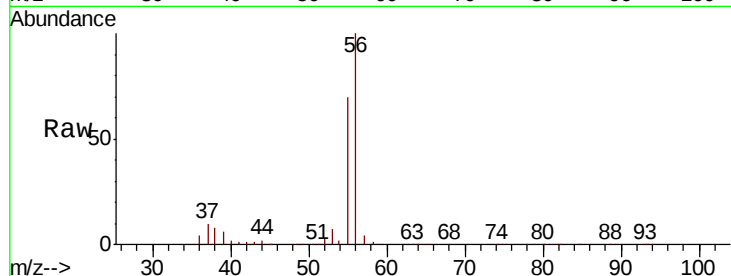
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 36815

Ion Ratio Lower Upper

56 100

55 70.2 56.6 85.0



#14

Allyl chloride

Concen: 19.392 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

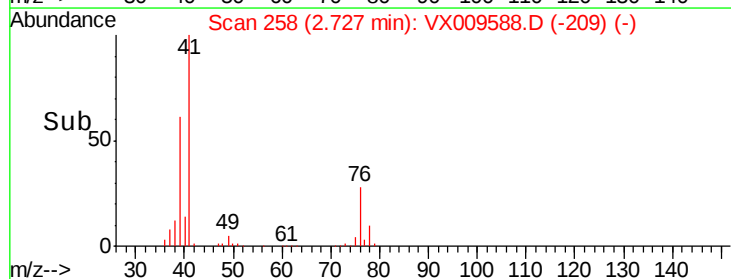
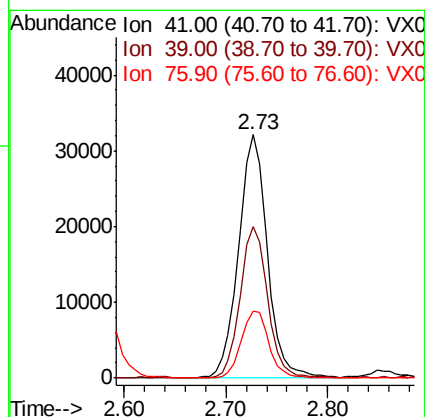
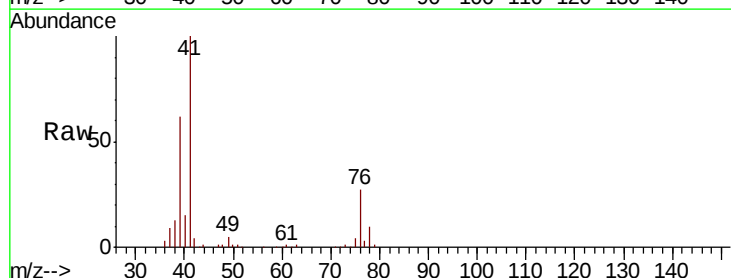
Tgt Ion: 41 Resp: 62329

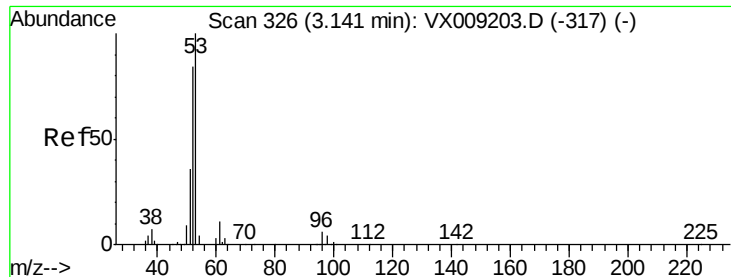
Ion Ratio Lower Upper

41 100

39 60.0 46.7 70.1

76 27.1 21.8 32.8





#15

Acrylonitrile

Concen: 106.345 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

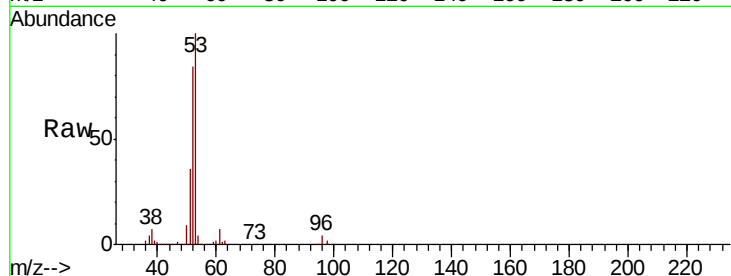
Tot Ion: 53 Resp: 115496

Ion Ratio Lower Upper

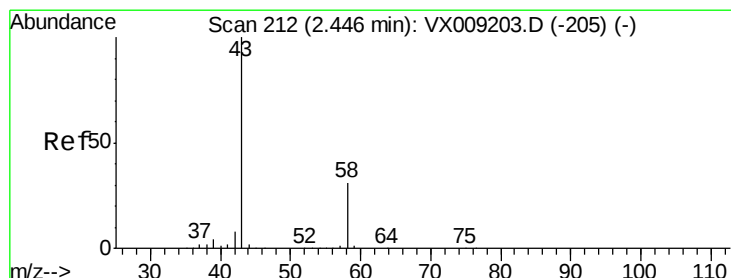
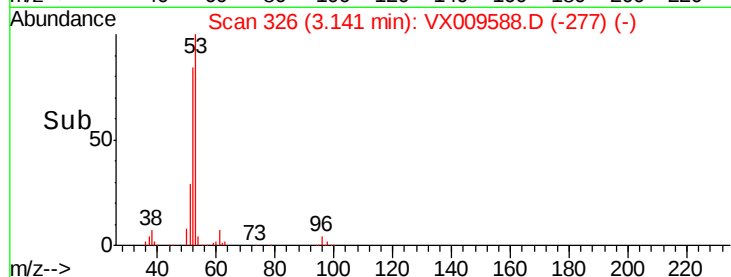
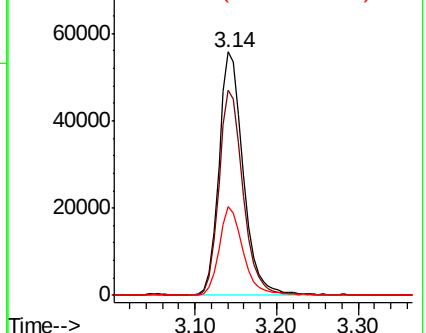
53 100

52 84.5 66.9 100.3

51 36.1 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: 99.993 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009588.D

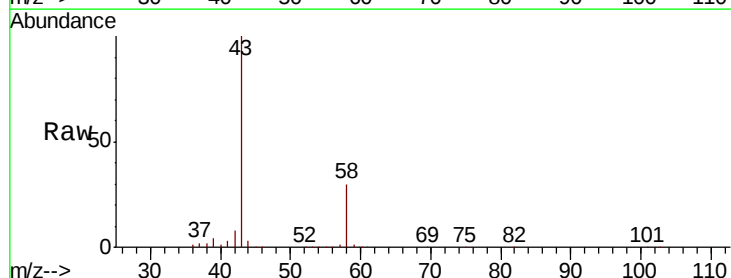
Acq: 15 May 2019 18:21

Tgt Ion: 43 Resp: 103030

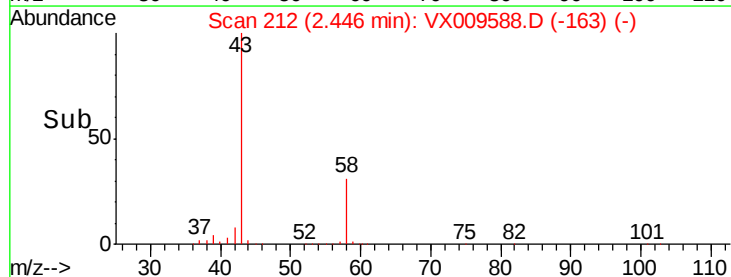
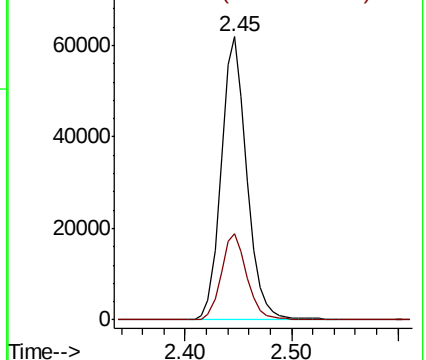
Ion Ratio Lower Upper

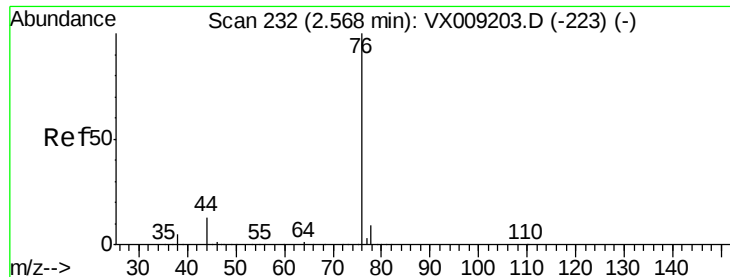
43 100

58 30.5 24.9 37.3



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

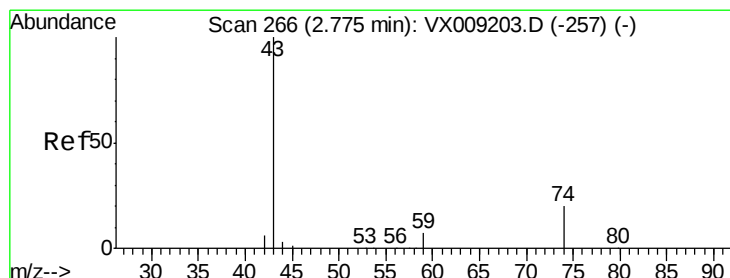
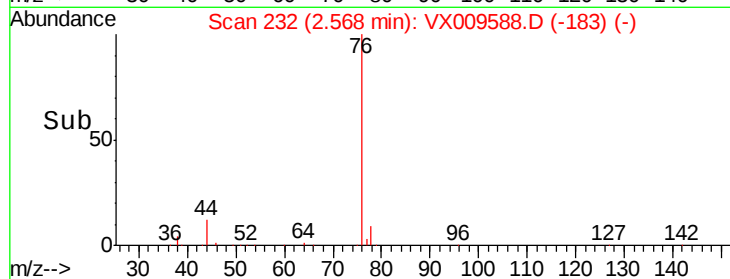
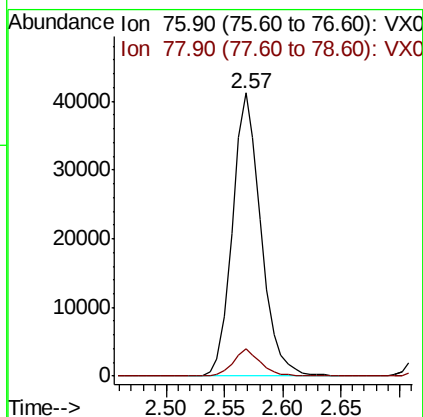
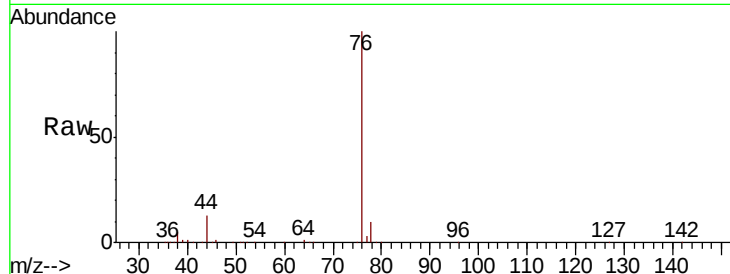




#17
Carbon Disulfide
Concen: 18.935 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

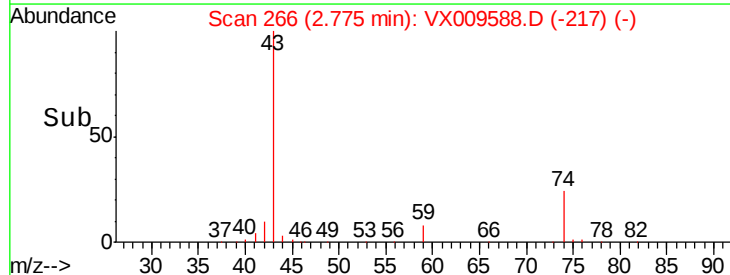
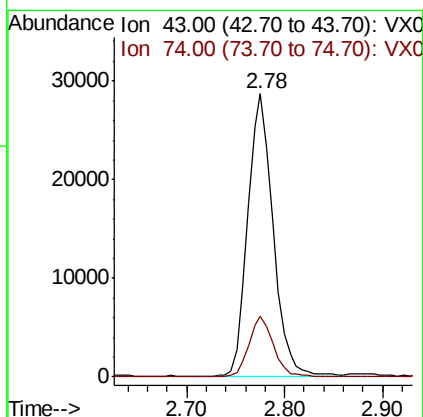
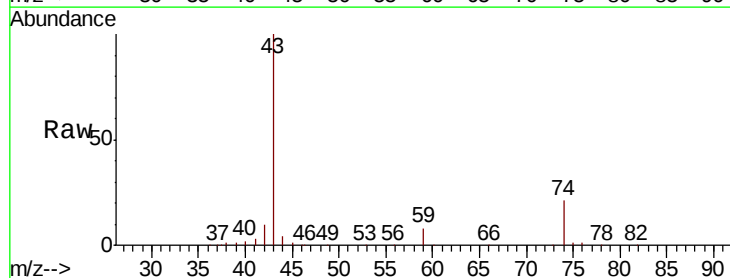
Instrument :
MSVOA_X
ClientSampleId :

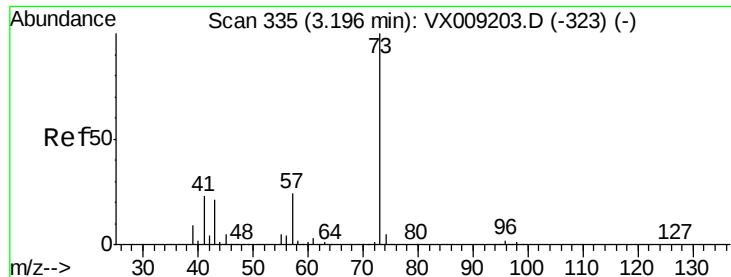
Tot Ion: 76 Resp: 70117
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#18
Methyl Acetate
Concen: 20.942 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 43 Resp: 51318
Ion Ratio Lower Upper
43 100
74 21.2 16.2 24.4

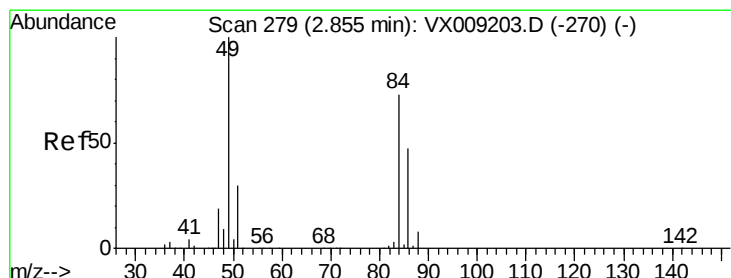
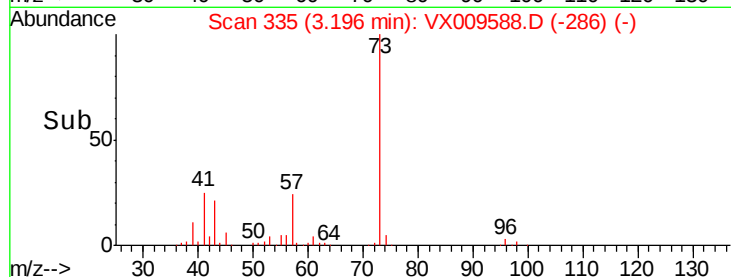
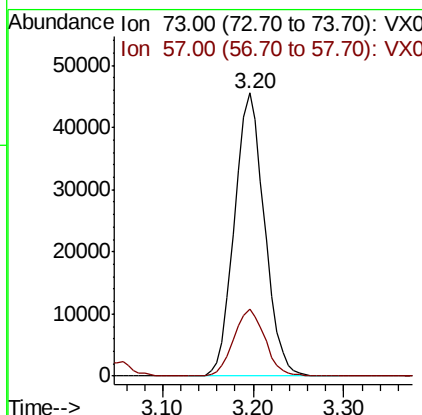
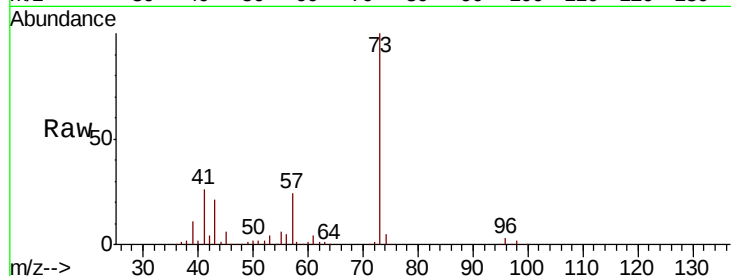




#19
Methyl tert-butyl Ether
Concen: 20.468 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

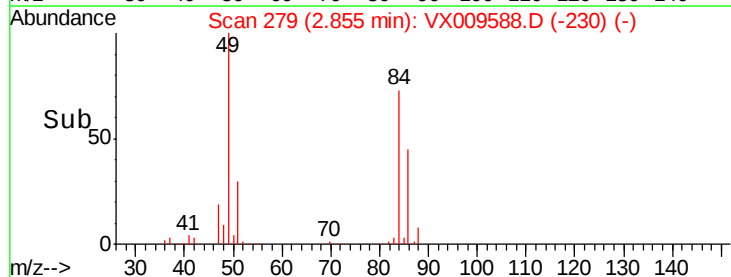
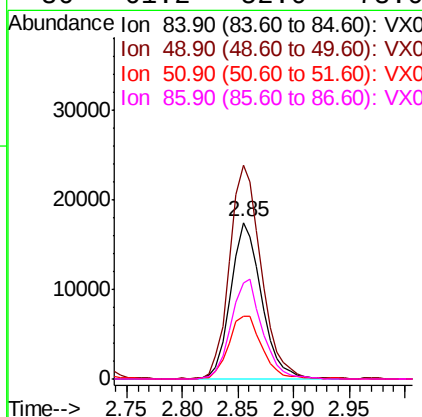
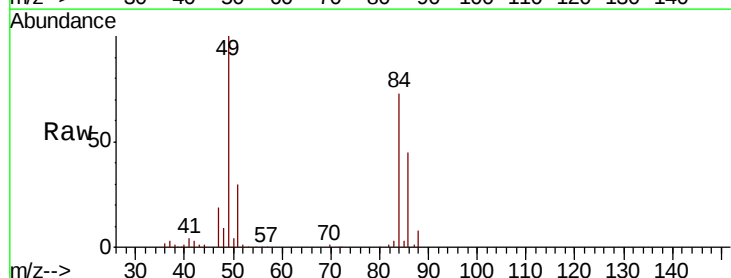
Instrument :
MSVOA_X
ClientSampled :

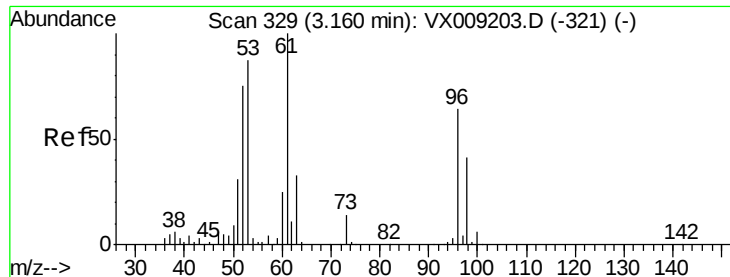
Tot Ion: 73 Resp: 104833
Ion Ratio Lower Upper
73 100
57 23.6 19.3 28.9



#20
Methylene Chloride
Concen: 20.192 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 84 Resp: 33686
Ion Ratio Lower Upper
84 100
49 136.4 109.9 164.9
51 40.5 32.7 49.1
86 61.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 20.167 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

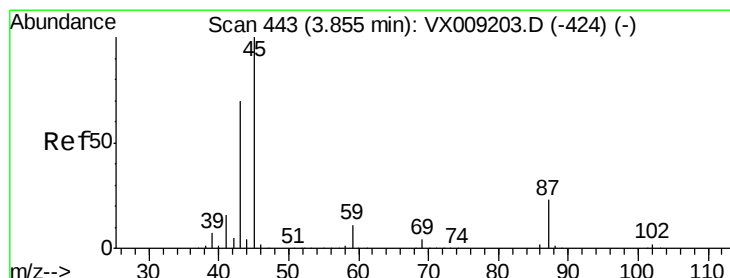
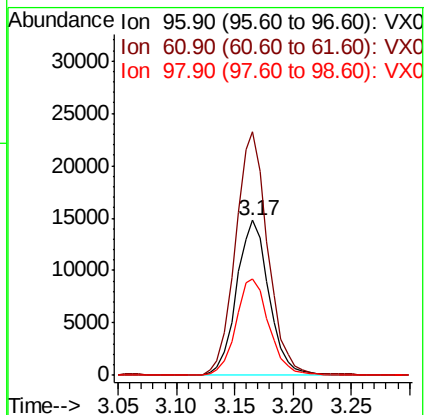
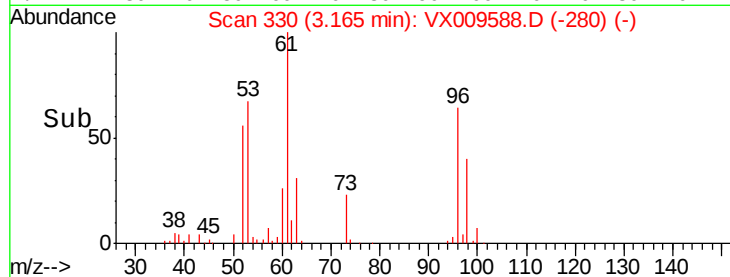
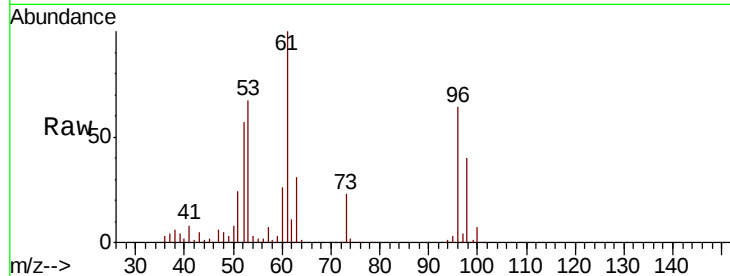
Tot Ion: 96 Resp: 28846

Ion Ratio Lower Upper

96 100

61 156.5 124.5 186.7

98 62.3 50.4 75.6



#22

Diisopropyl ether

Concen: 20.896 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Tgt Ion: 45 Resp: 129164

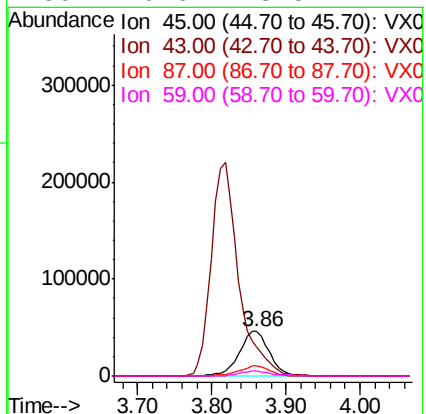
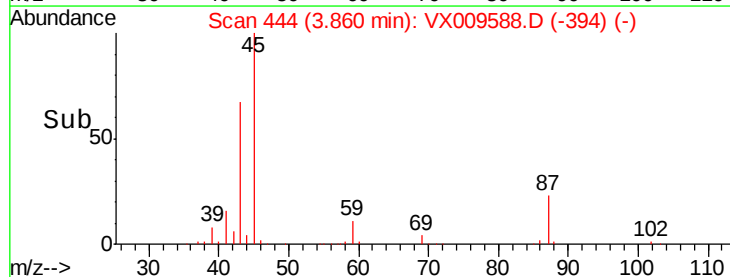
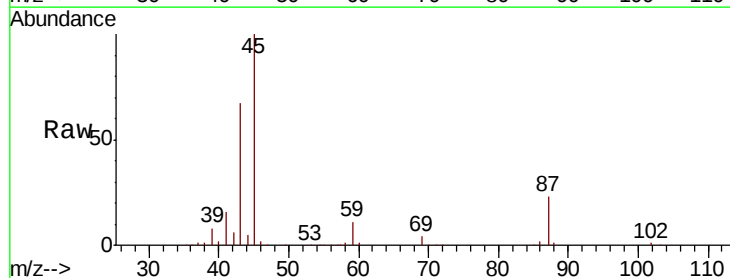
Ion Ratio Lower Upper

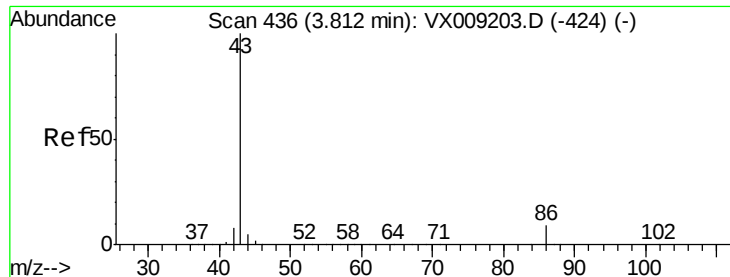
45 100

43 65.9 56.1 84.1

87 23.0 18.1 27.1

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 106.448 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

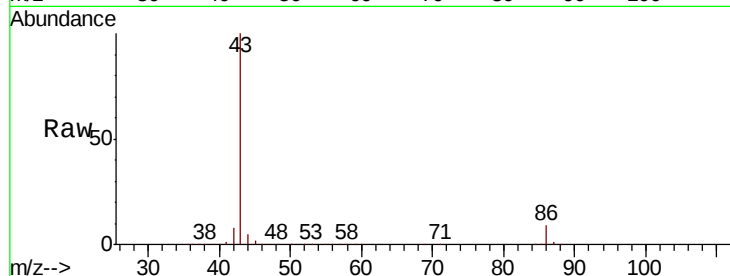
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 563439

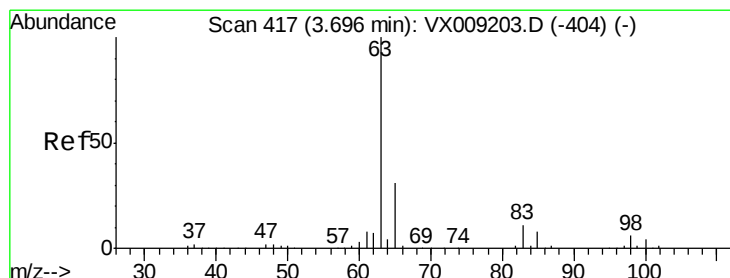
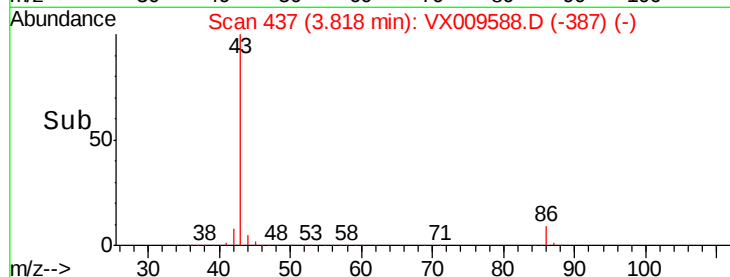
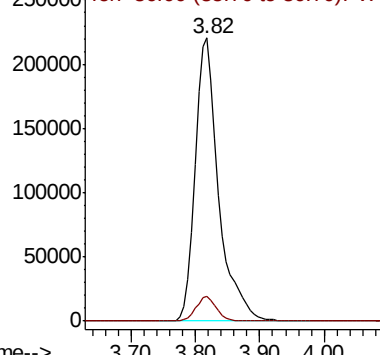
Ion Ratio Lower Upper

43 100

86 8.7 6.9 10.3



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



#24

1,1-Dichloroethane

Concen: 20.506 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

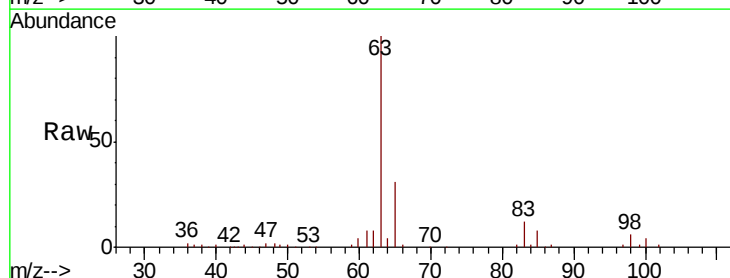
Tgt Ion: 63 Resp: 62528

Ion Ratio Lower Upper

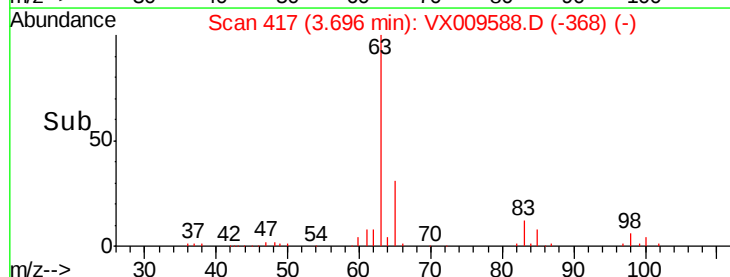
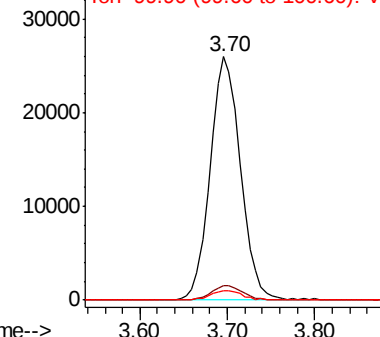
63 100

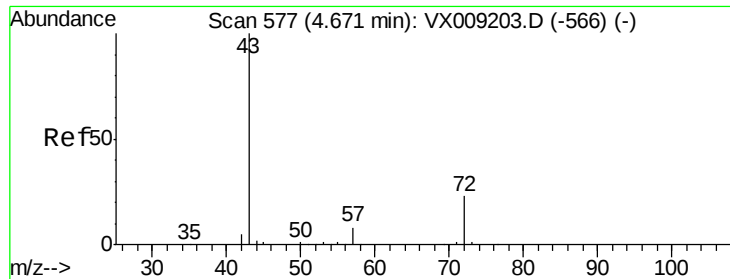
98 6.0 3.0 9.2

100 3.7 2.0 6.0



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





#25

2-Butanone

Concen: 107.643 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

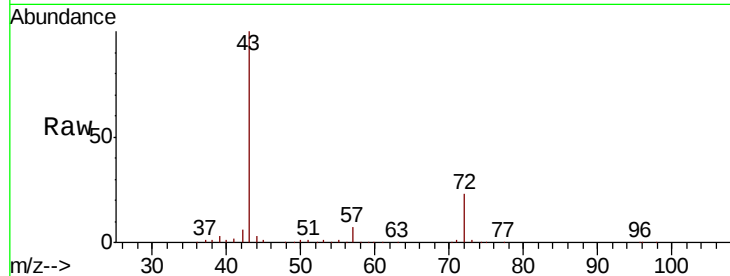
ClientSampleId :

Tot Ion: 43 Resp: 172354

Ion Ratio Lower Upper

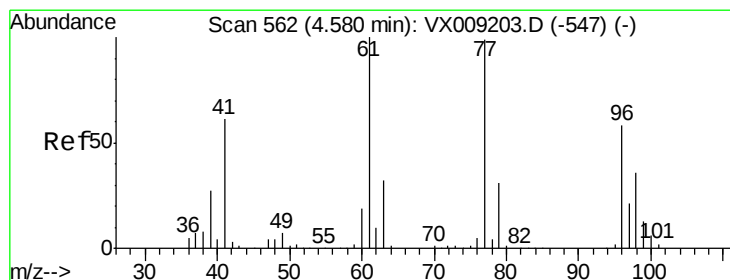
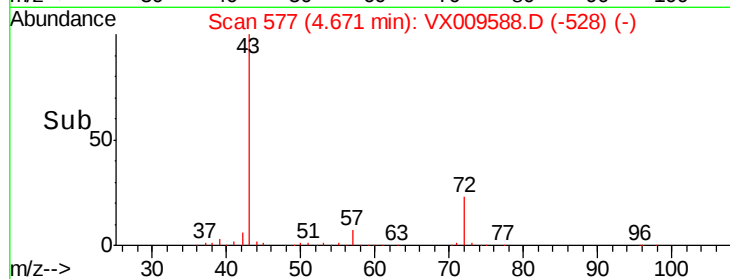
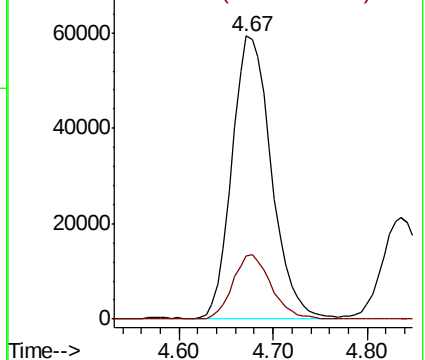
43 100

72 22.4 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: 17.481 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009588.D

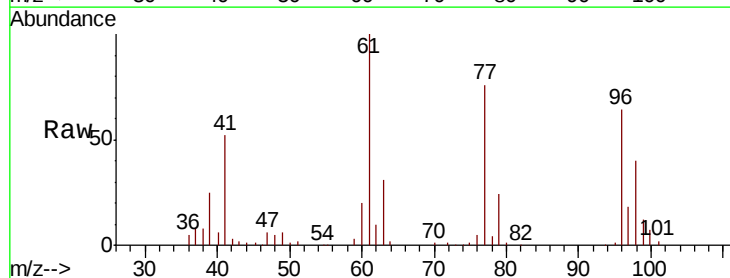
Acq: 15 May 2019 18:21

Tgt Ion: 77 Resp: 39677

Ion Ratio Lower Upper

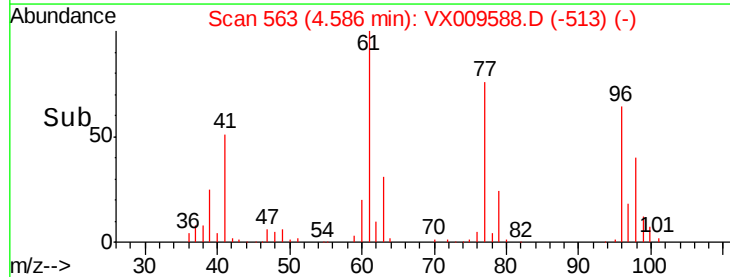
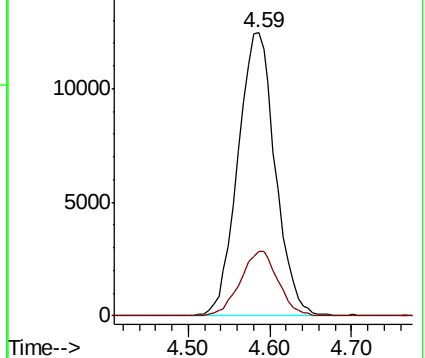
77 100

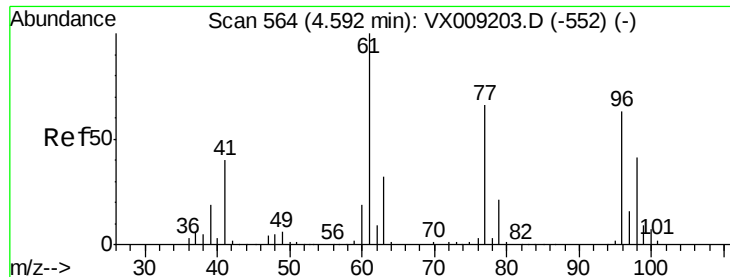
97 23.1 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



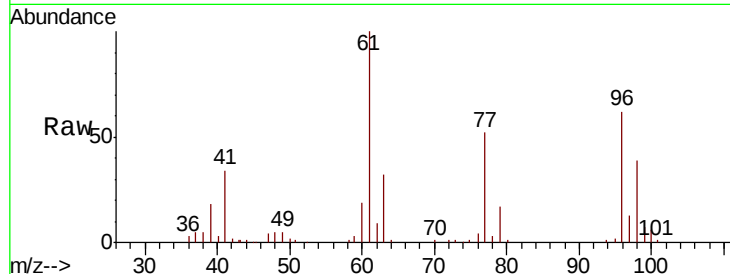


#27

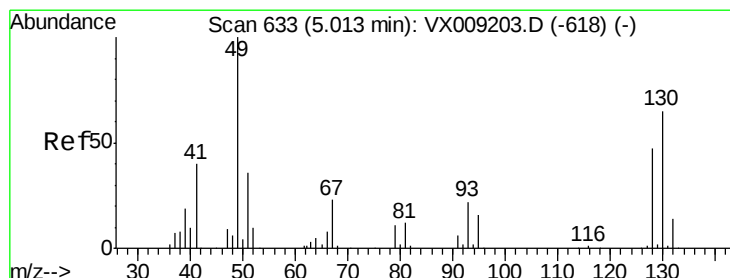
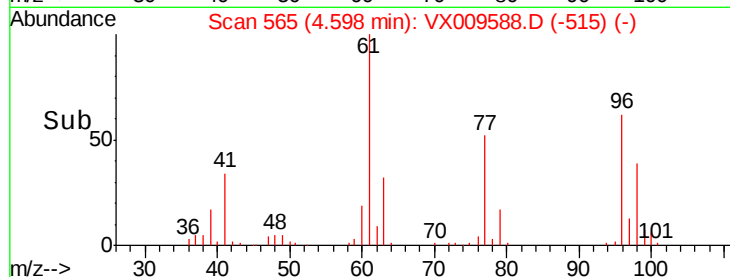
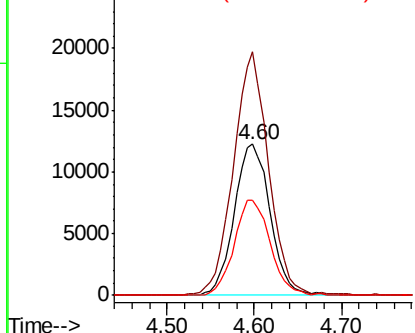
cis-1,2-Dichloroethene
Concen: 20.437 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 34892
Ion Ratio Lower Upper
96 100
61 157.6 0.0 324.0
98 63.3 0.0 130.4



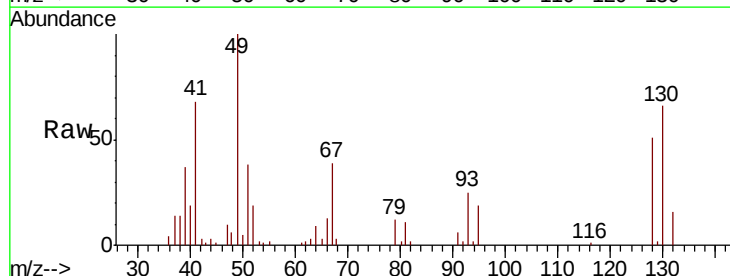
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



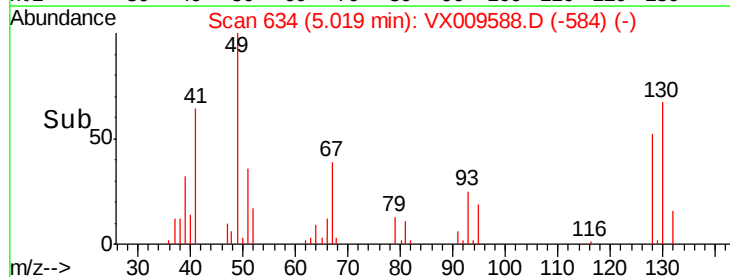
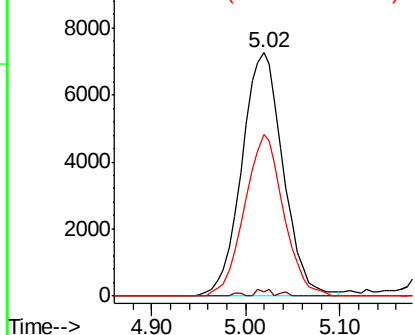
#28

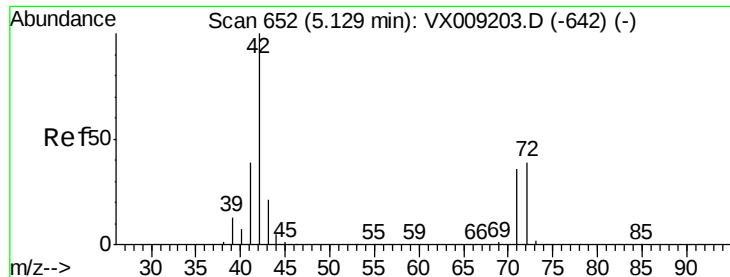
Bromochloromethane
Concen: 16.290 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 49 Resp: 22264
Ion Ratio Lower Upper
49 100
129 0.9 0.0 3.8
130 62.8 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

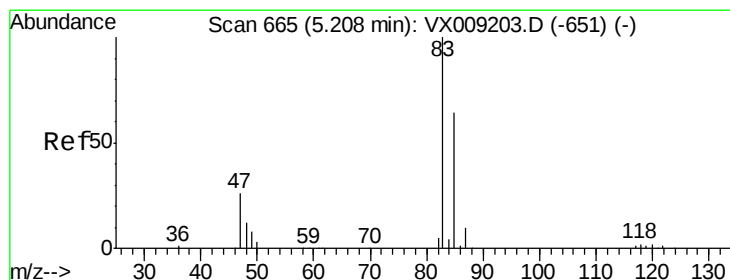
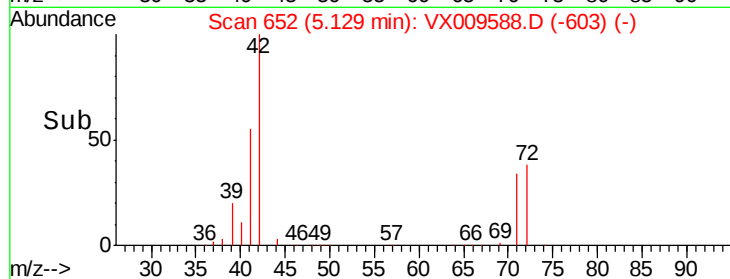
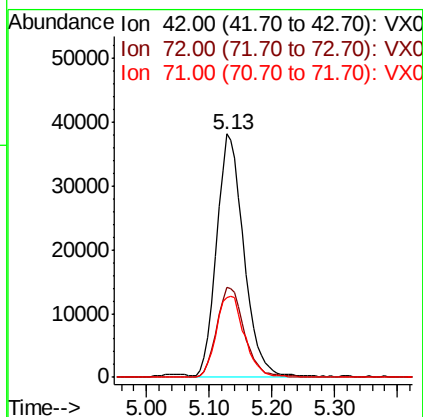
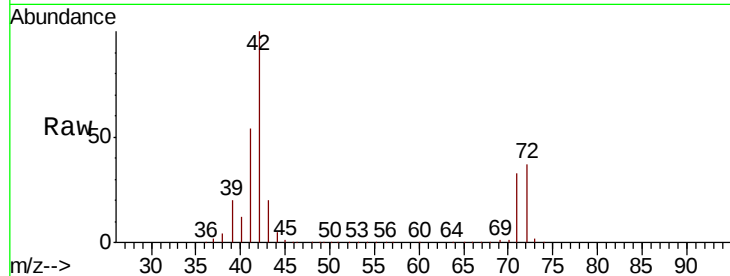




#29
Tetrahydrofuran
Concen: 110.311 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

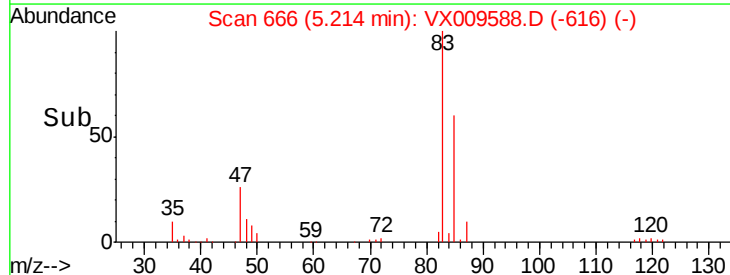
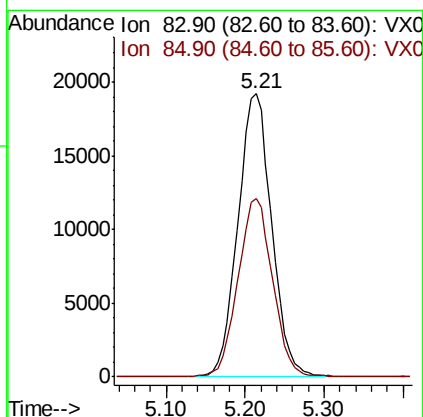
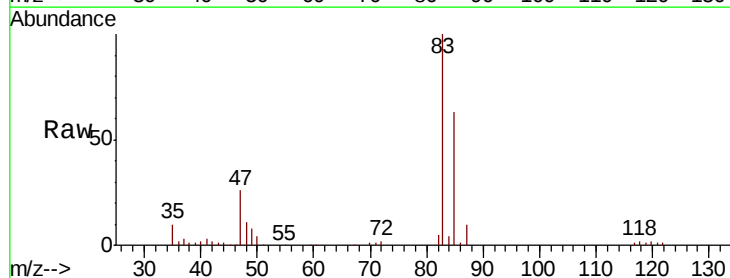
Instrument :
MSVOA_X
ClientSampled :

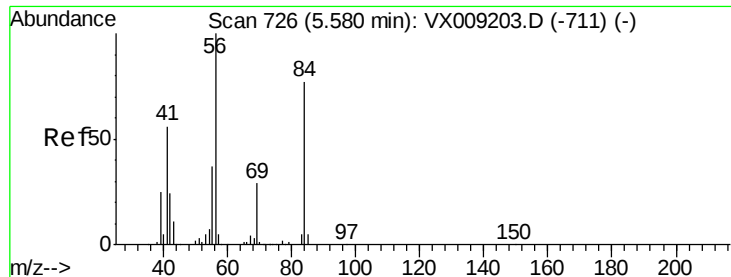
Tot Ion: 42 Resp: 113658
Ion Ratio Lower Upper
42 100
72 38.0 30.4 45.6
71 35.0 28.6 43.0



#30
Chloroform
Concen: 20.722 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 83 Resp: 57149
Ion Ratio Lower Upper
83 100
85 63.1 51.5 77.3

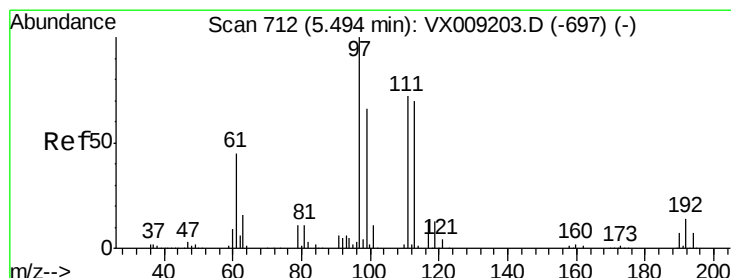
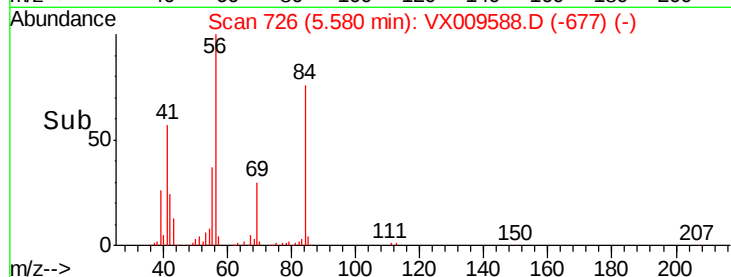
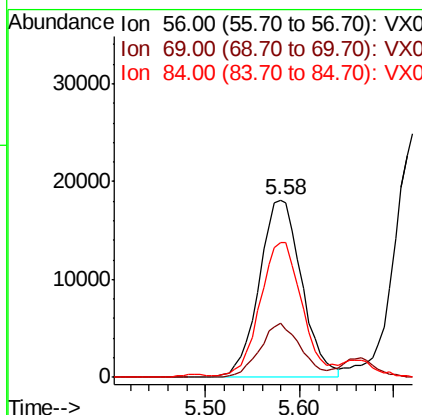
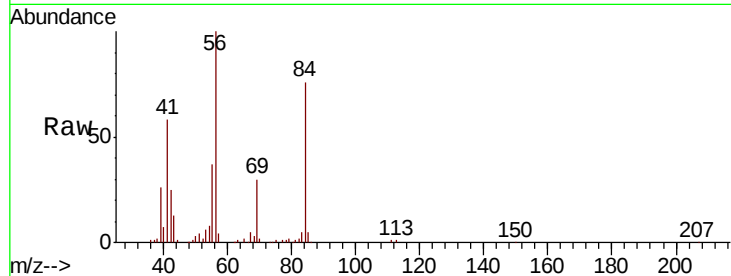




#31
Cyclohexane
Concen: 20.143 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

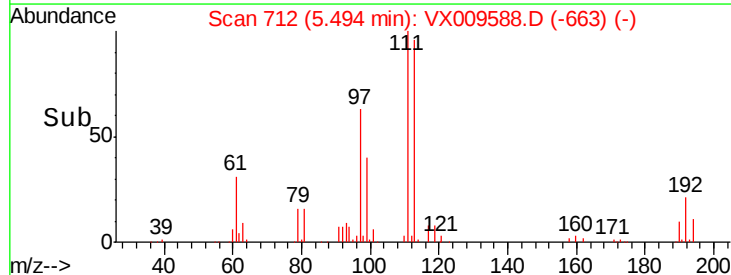
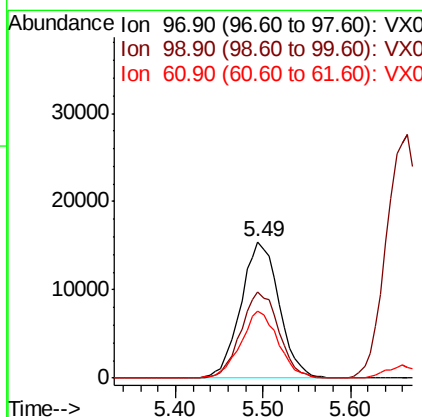
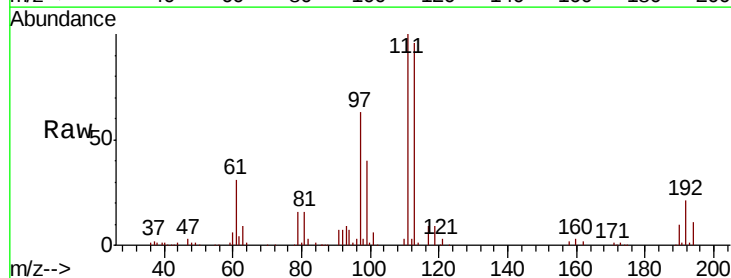
Instrument :
MSVOA_X
ClientSampled :

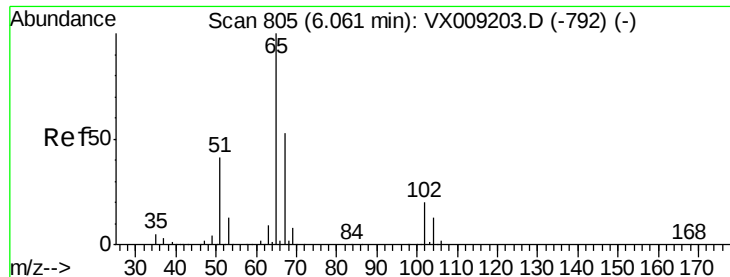
Tot Ion: 56 Resp: 57144
Ion Ratio Lower Upper
56 100
69 30.2 23.4 35.0
84 74.7 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 20.425 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 97 Resp: 46893
Ion Ratio Lower Upper
97 100
99 62.8 51.8 77.8
61 48.0 37.8 56.8





#33

1,2-Dichloroethane-d4

Concen: 49.468 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

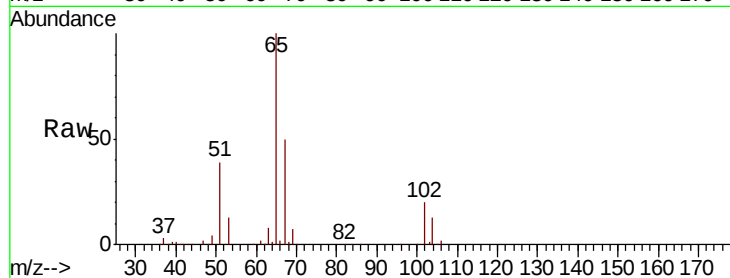
ClientSampleId :

Tot Ion: 65 Resp: 94923

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

40000

30000

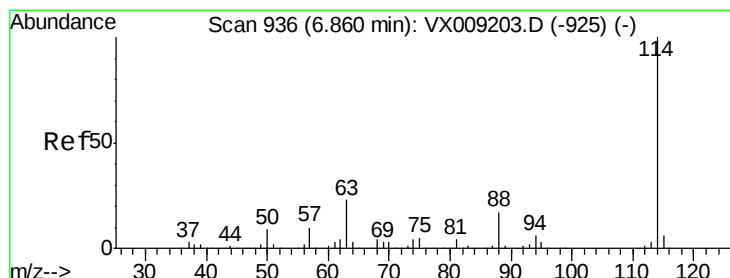
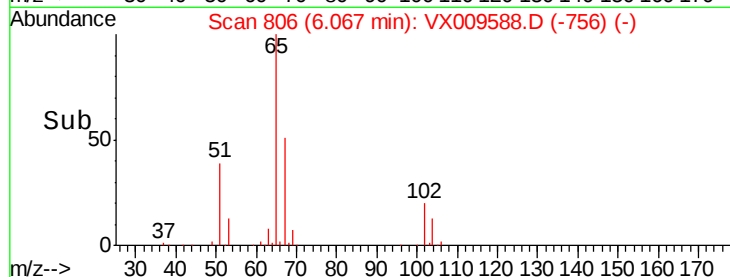
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

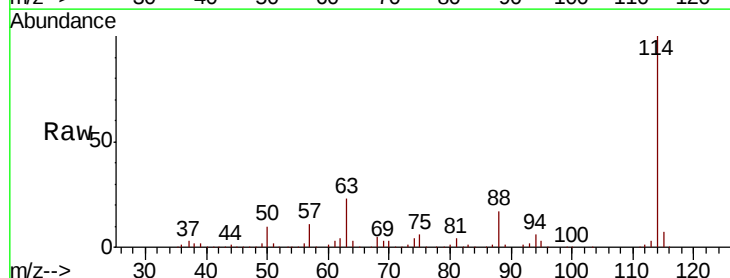
Tgt Ion: 114 Resp: 226308

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.6 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

120000

100000

80000

60000

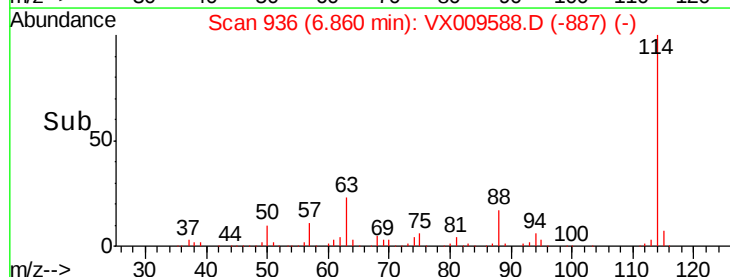
40000

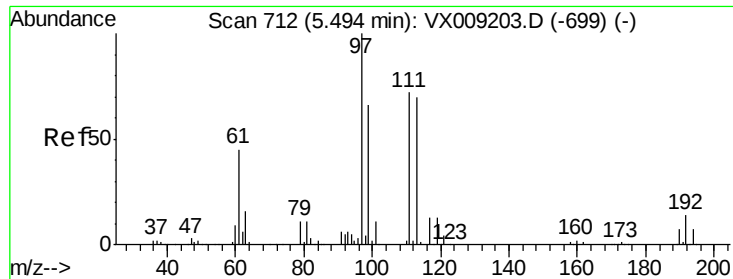
20000

0

6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.822 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

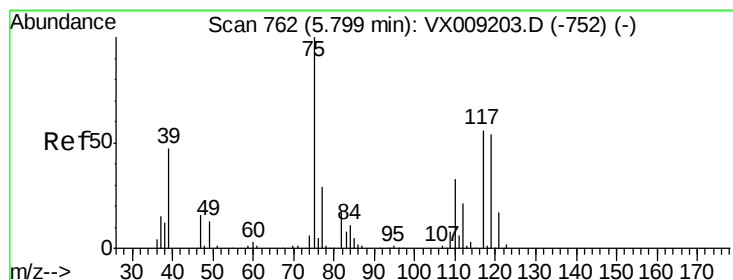
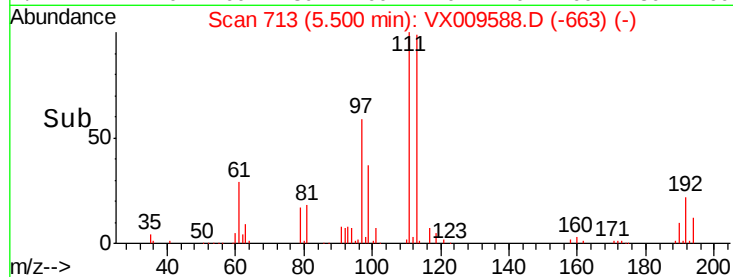
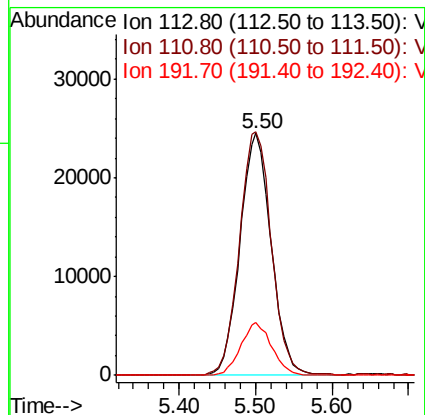
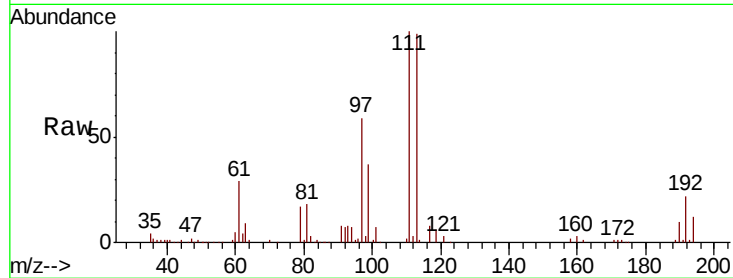
Tot Ion:113 Resp: 69457

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 21.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 19.860 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

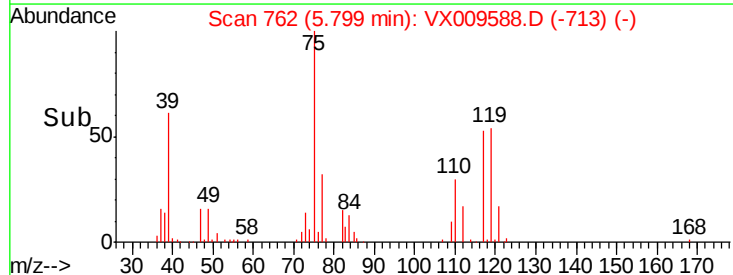
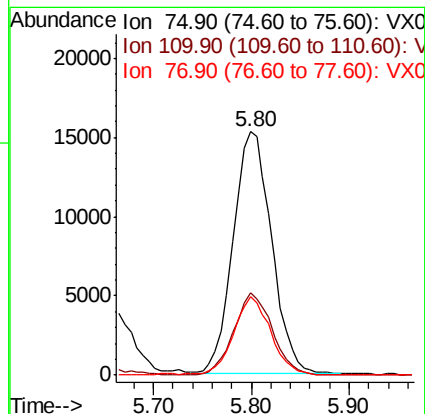
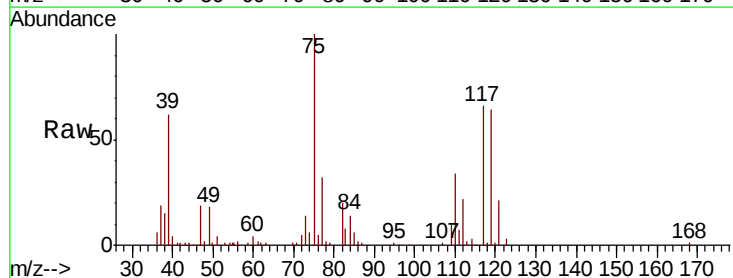
Tgt Ion: 75 Resp: 41767

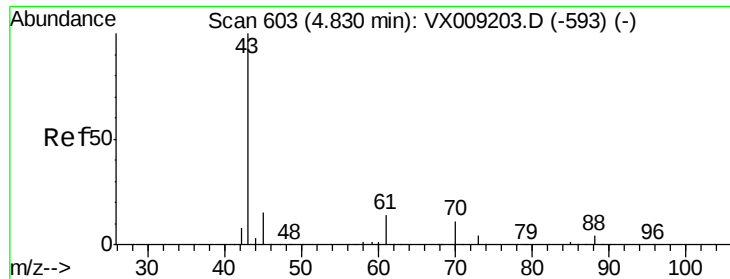
Ion Ratio Lower Upper

75 100

110 33.8 16.9 50.6

77 31.5 24.8 37.2





#37

Ethyl Acetate

Concen: 21.487 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

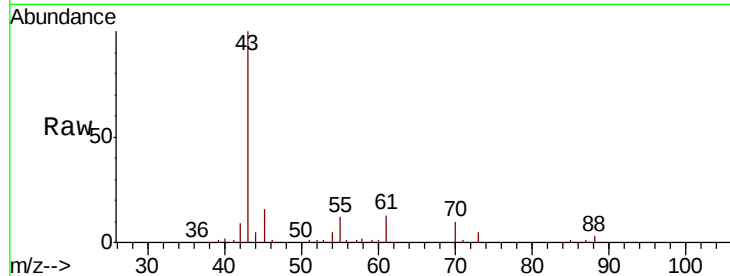
Tot Ion: 43 Resp: 62961

Ion Ratio Lower Upper

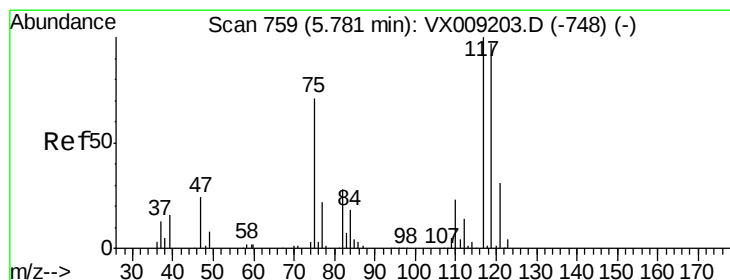
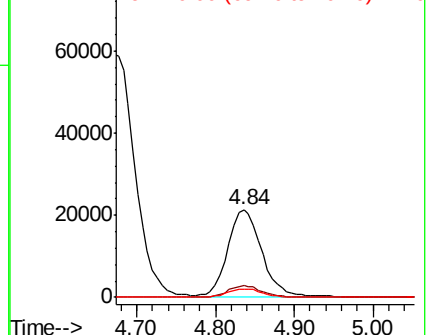
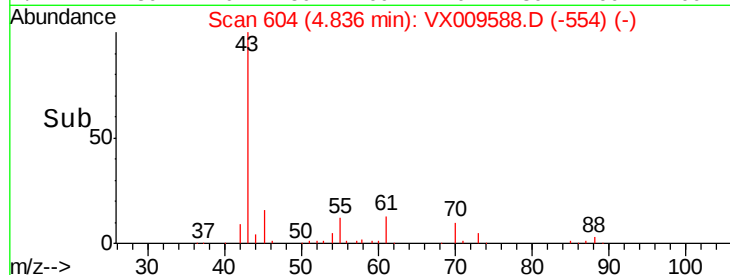
43 100

61 13.6 10.5 15.7

70 10.1 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX009588.D (-554) (-)



#38

Carbon Tetrachloride

Concen: 20.044 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

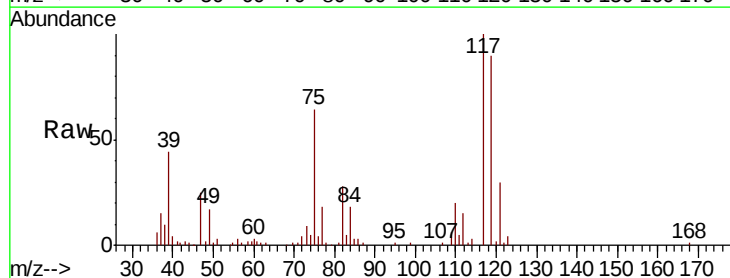
Tgt Ion: 117 Resp: 38301

Ion Ratio Lower Upper

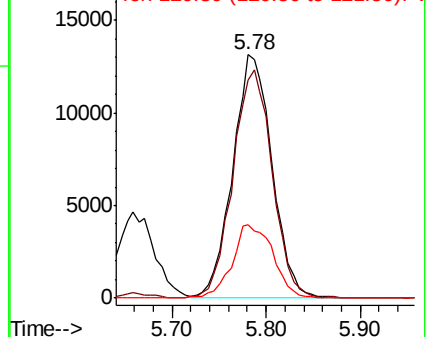
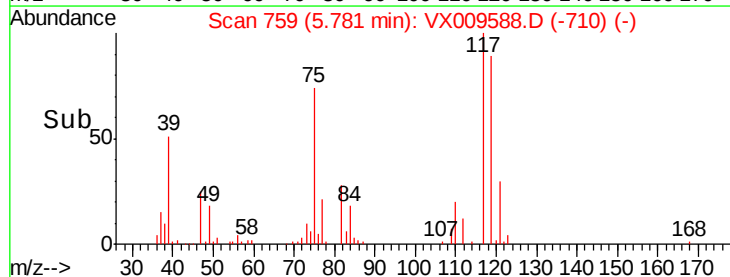
117 100

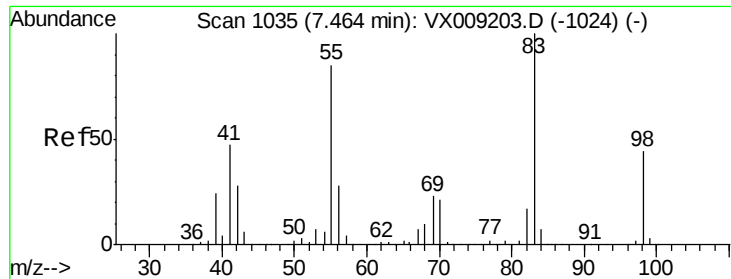
119 89.8 77.5 116.3

121 30.2 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): VX009588.D (-710) (-)

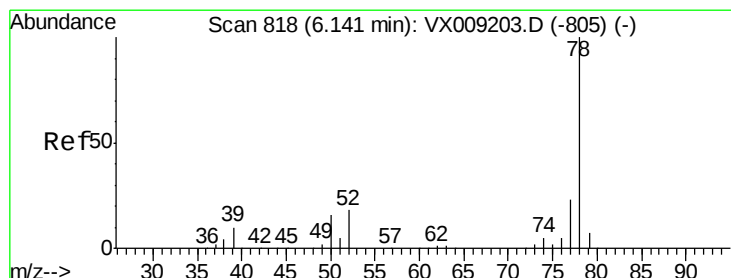
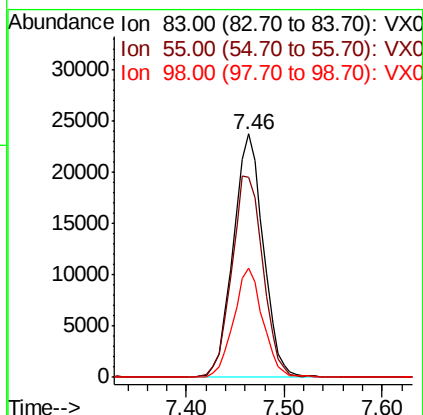
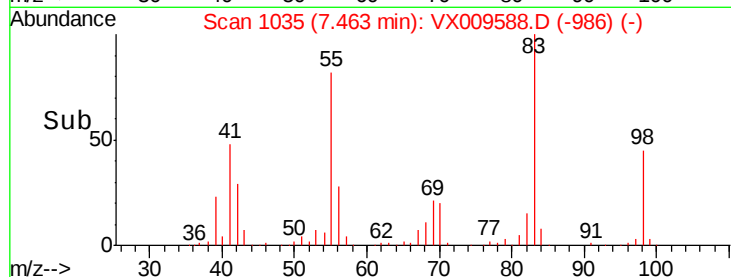
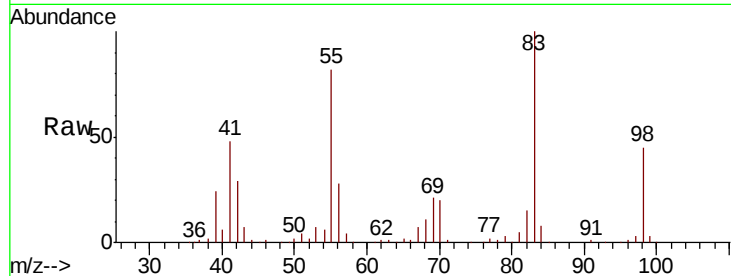




#39
Methvlcvclohexane
Concen: 19.671 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

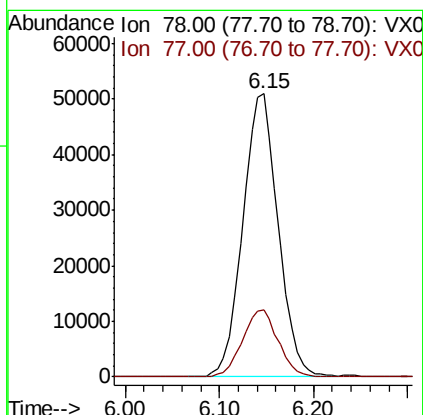
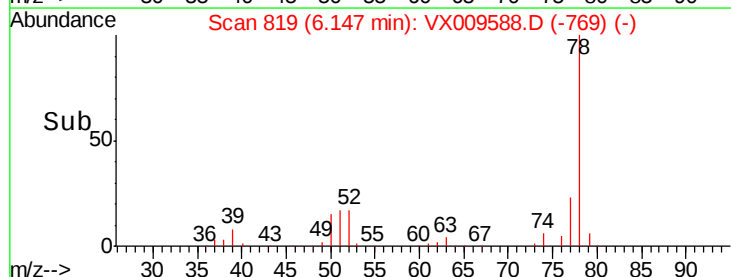
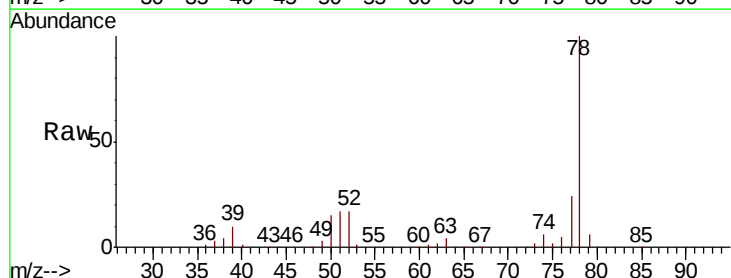
Instrument :
MSVOA_X
ClientSampleId :

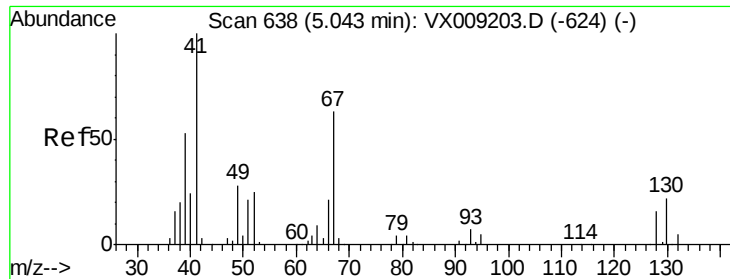
Tot Ion: 83 Resp: 50806
Ion Ratio Lower Upper
83 100
55 82.1 67.7 101.5
98 44.7 35.5 53.3



#40
Benzene
Concen: 20.536 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 78 Resp: 133661
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

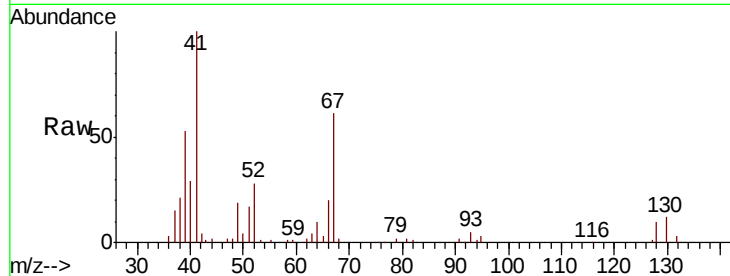




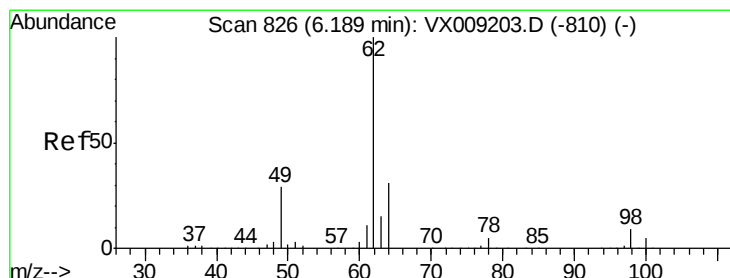
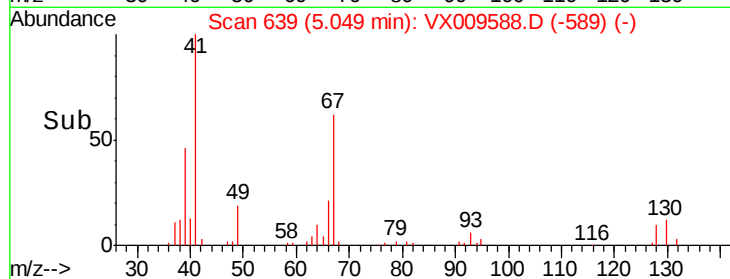
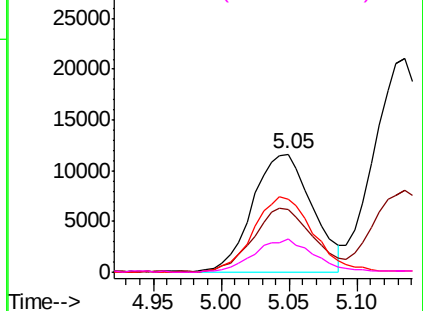
#41
Methacrylonitrile
Concen: 20.251 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	35324
Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.0	63.0
67	65.5	49.8	74.8
52	28.8	20.3	30.5

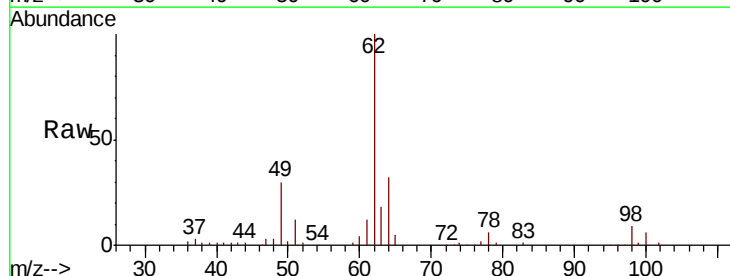


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

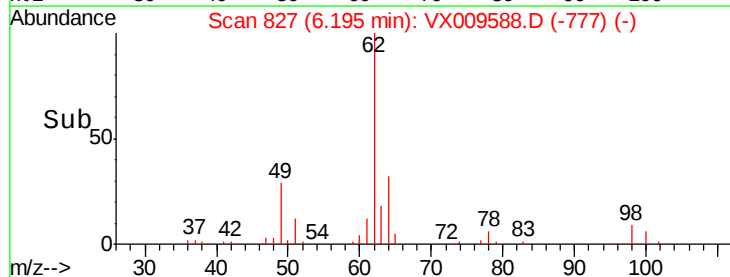
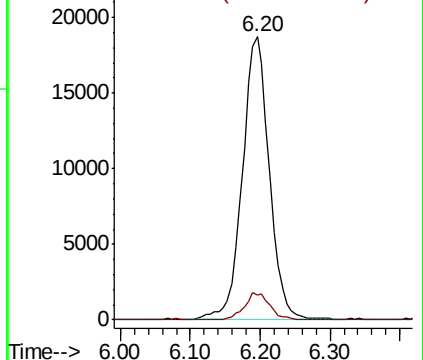


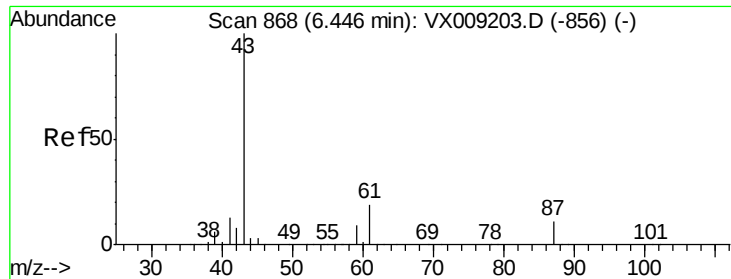
#42
1,2-Dichloroethane
Concen: 21.446 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion:	62	Resp:	50071
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



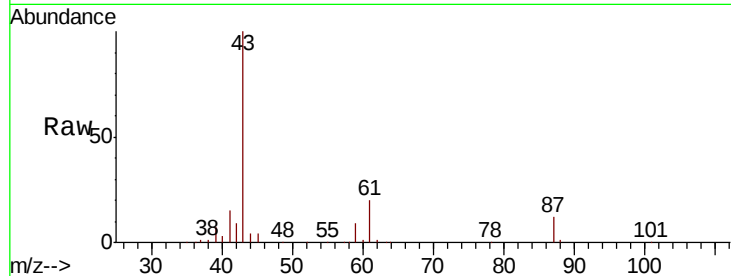


#43

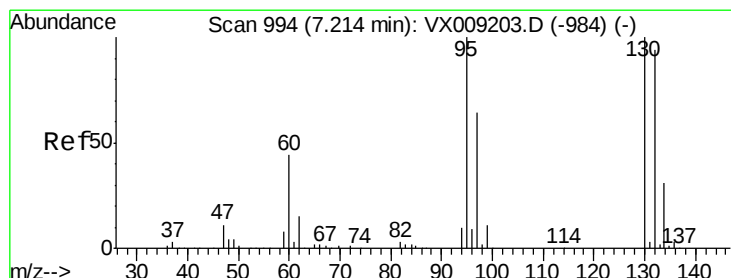
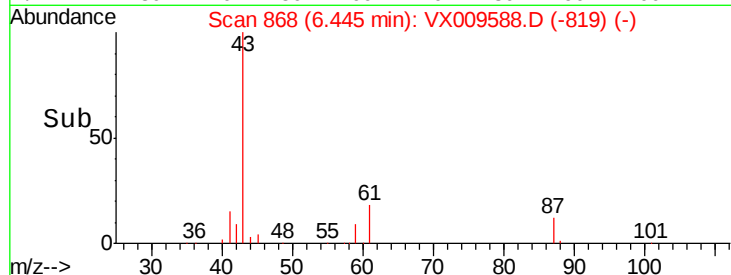
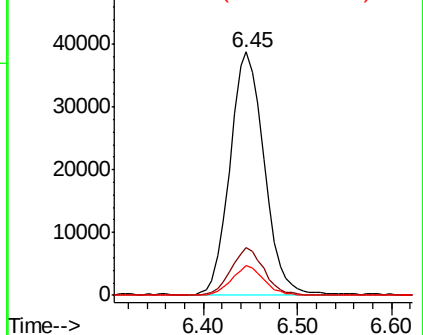
Isopropyl Acetate
 Concen: 20.874 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 43 Resp: 97839
 Ion Ratio Lower Upper
 43 100
 61 19.1 15.1 22.7
 87 11.5 9.0 13.6



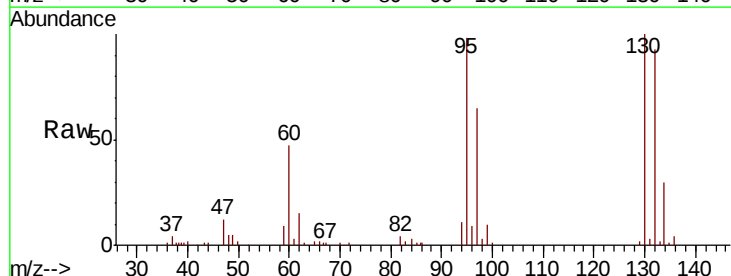
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



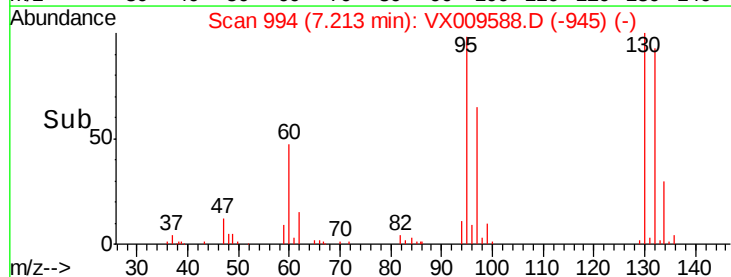
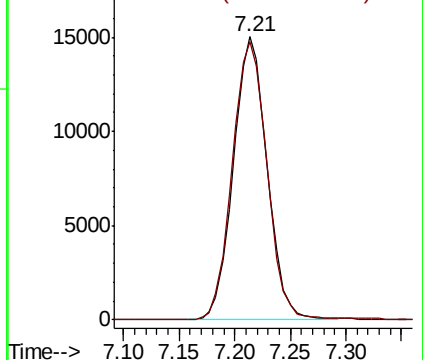
#44

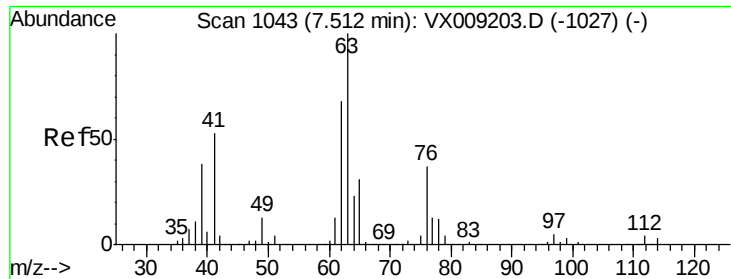
Trichloroethene
 Concen: 20.050 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Tgt Ion:130 Resp: 31549
 Ion Ratio Lower Upper
 130 100
 95 98.5 0.0 199.2



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

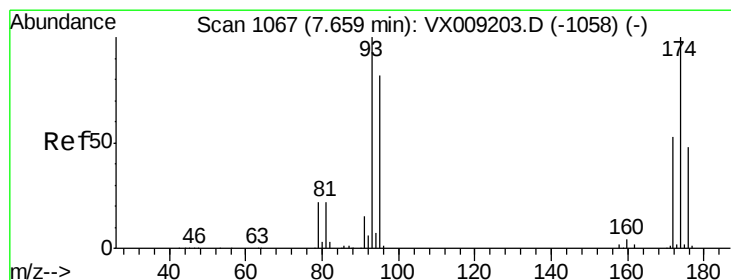
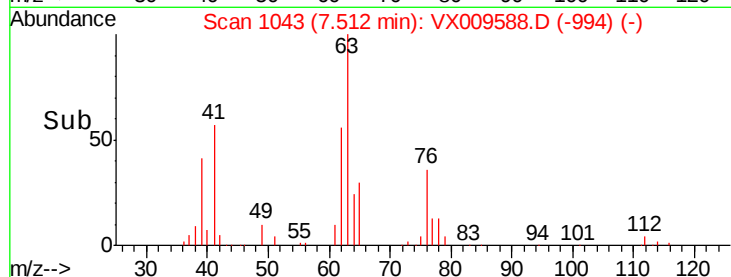
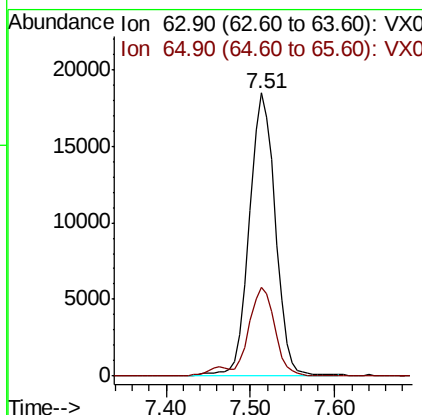
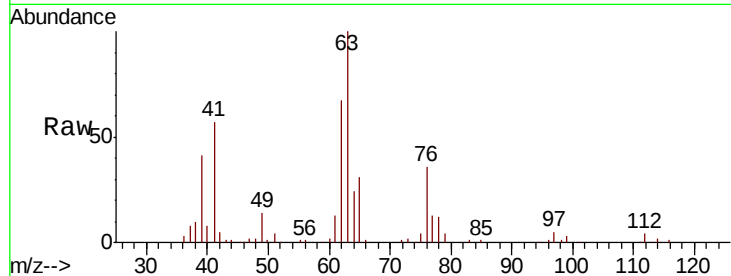




#45
 1,2-Dichloropropane
 Concen: 20.948 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

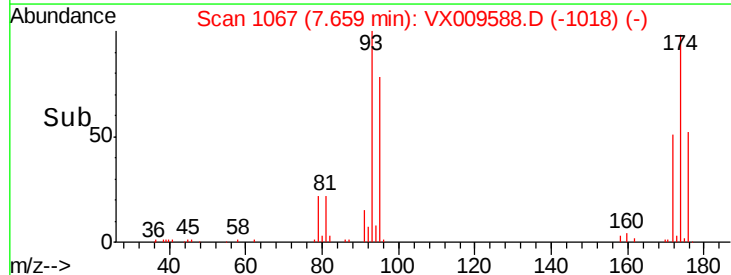
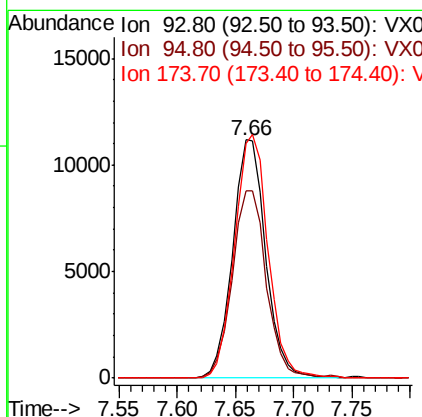
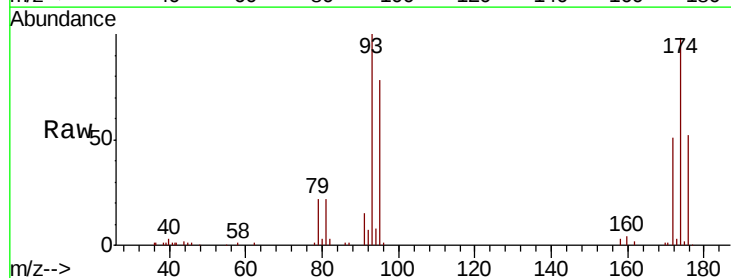
Instrument :
 MSVOA_X
 ClientSampleId :

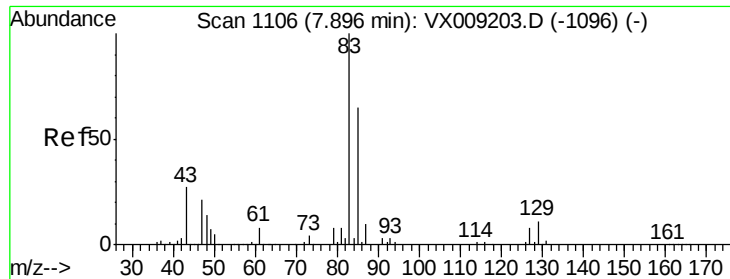
Tot Ion: 63 Resp: 38607
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 20.636 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Tgt Ion: 93 Resp: 22086
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.5 99.7
 174 103.8 82.1 123.1





#47

Bromodichloromethane

Concen: 19.954 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

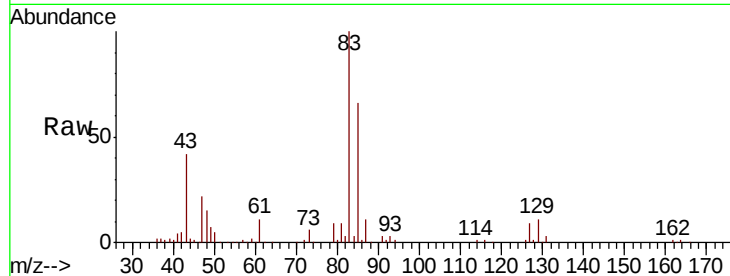
Tot Ion: 83 Resp: 42599

Ion Ratio Lower Upper

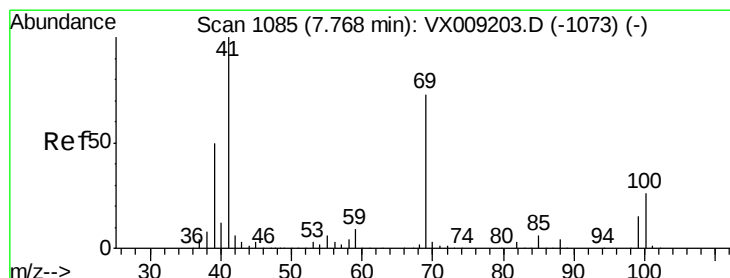
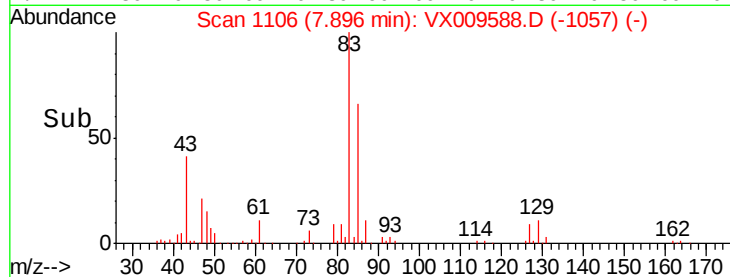
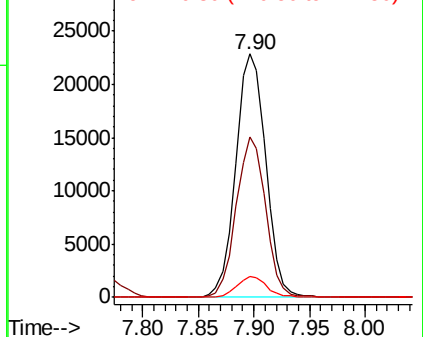
83 100

85 65.7 52.4 78.6

127 8.5 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: 21.170 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

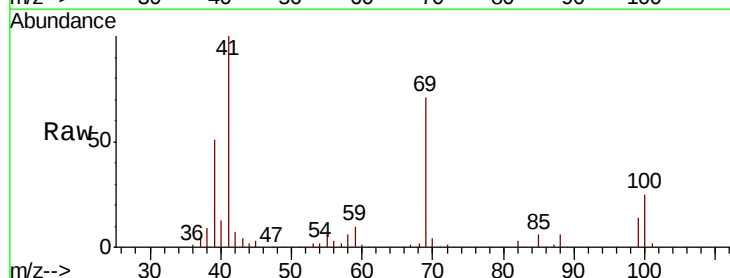
Tgt Ion: 41 Resp: 49228

Ion Ratio Lower Upper

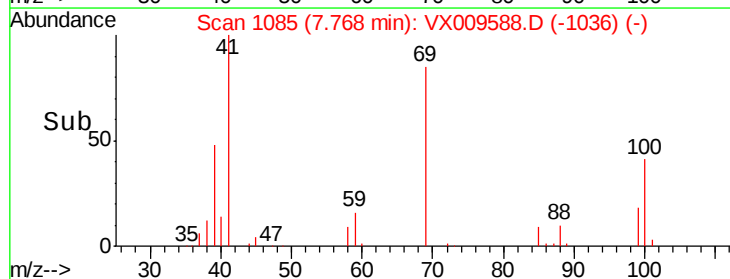
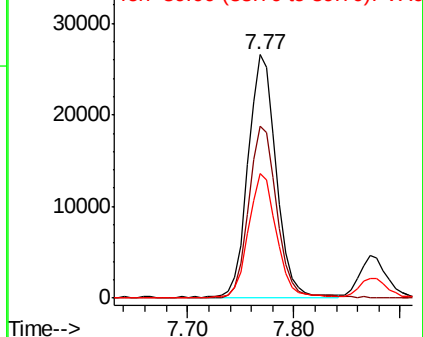
41 100

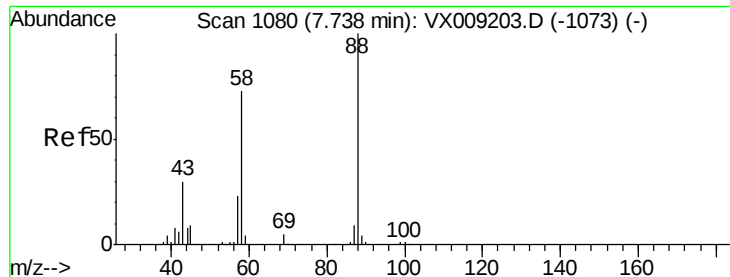
69 71.3 59.1 88.7

39 51.6 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: 433.135 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :
MSVOA_X
ClientSampled :

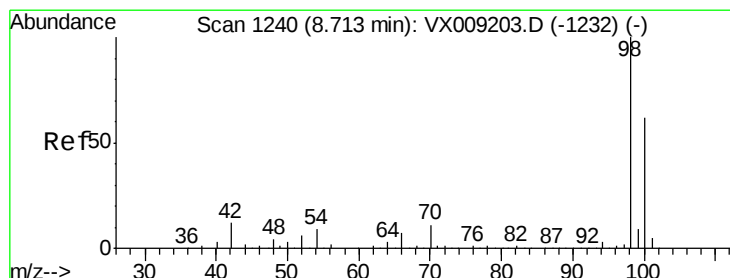
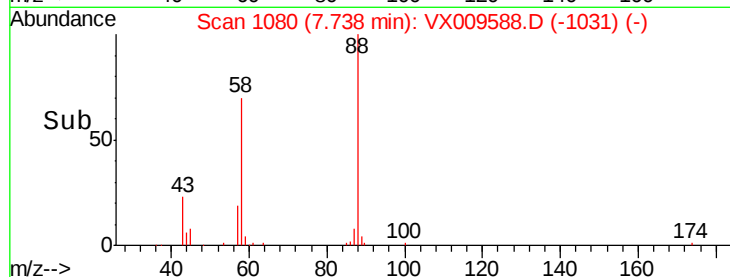
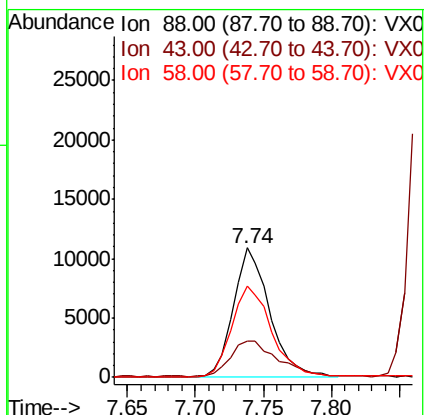
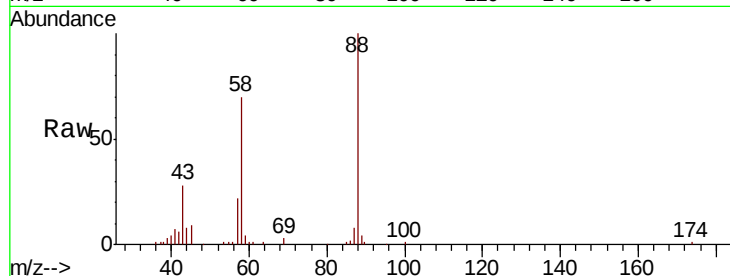
Tot Ion: 88 Resp: 20426

Ion Ratio Lower Upper

88 100

43 35.6 28.6 42.8

58 78.3 61.7 92.5



#50

Toluene-d8

Concen: 47.870 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009588.D

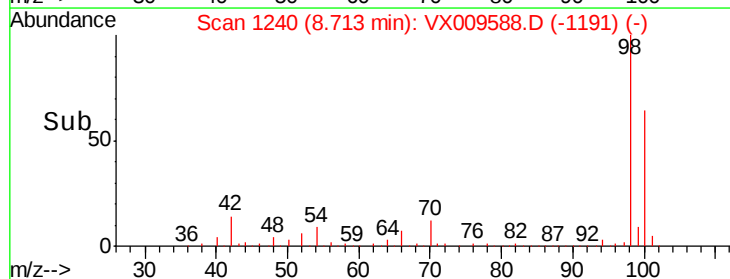
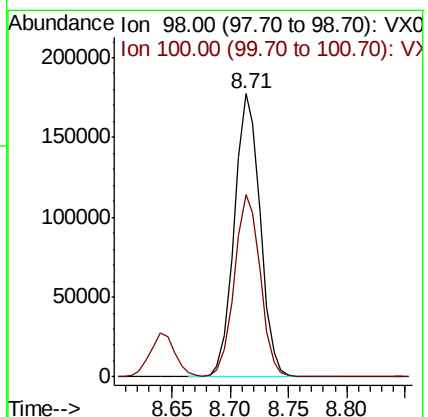
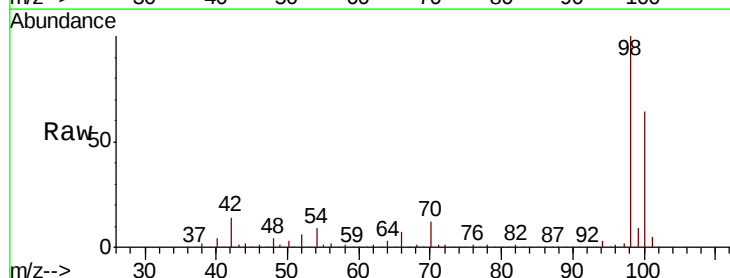
Acq: 15 May 2019 18:21

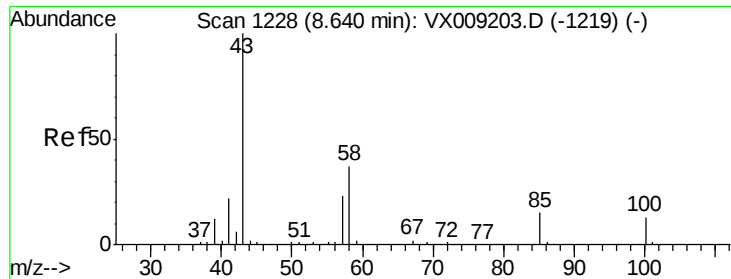
Tgt Ion: 98 Resp: 274949

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 109.230 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

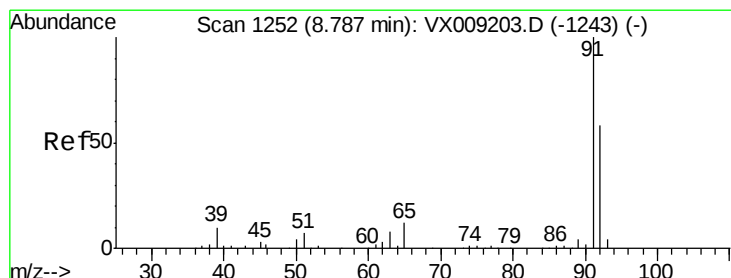
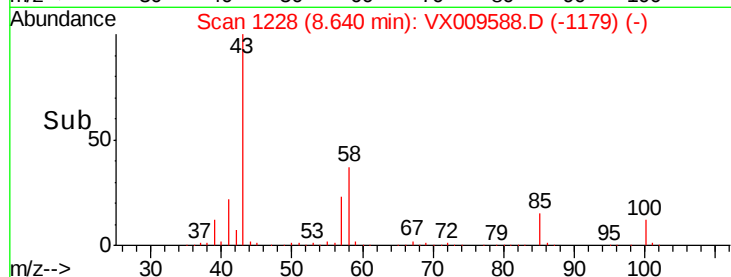
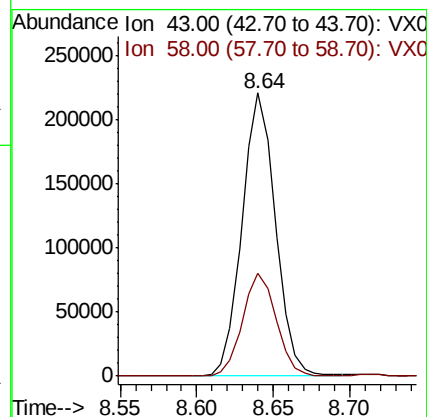
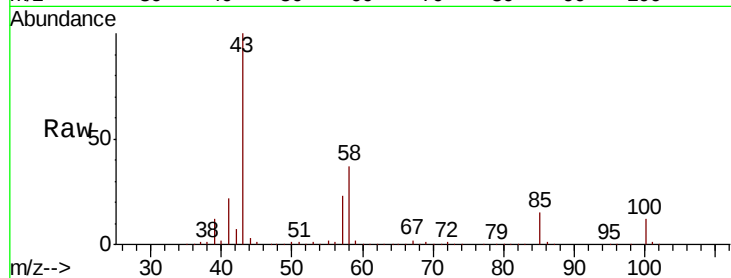
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 334635

Ion Ratio Lower Upper

43 100

58 36.6 29.5 44.3



#52

Toluene

Concen: 20.808 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009588.D

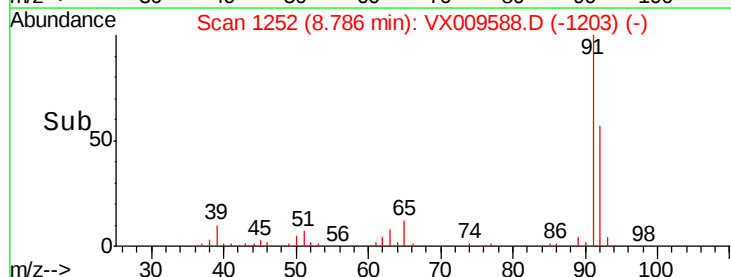
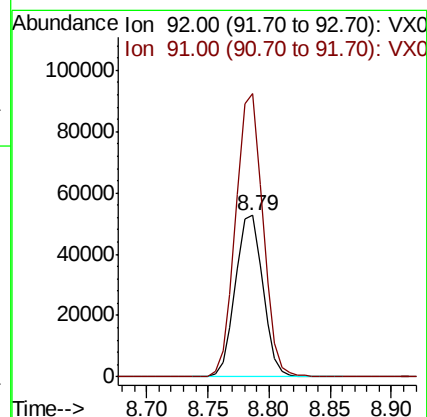
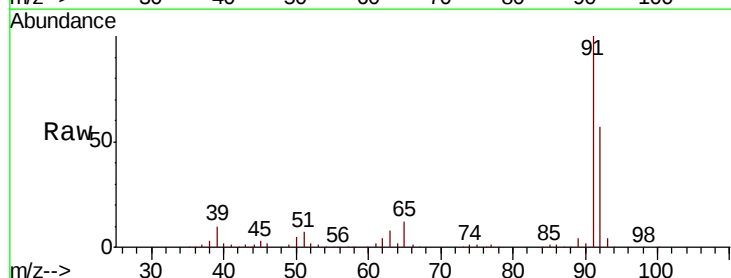
Acq: 15 May 2019 18:21

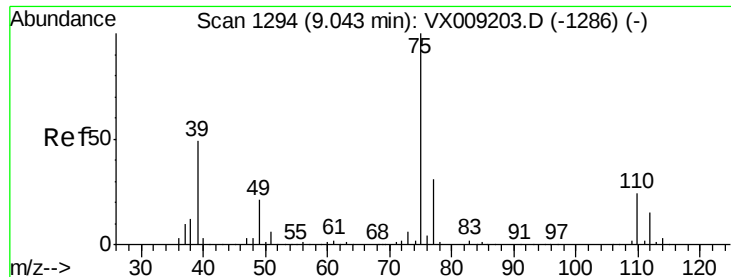
Tgt Ion: 92 Resp: 82328

Ion Ratio Lower Upper

92 100

91 173.1 138.8 208.2

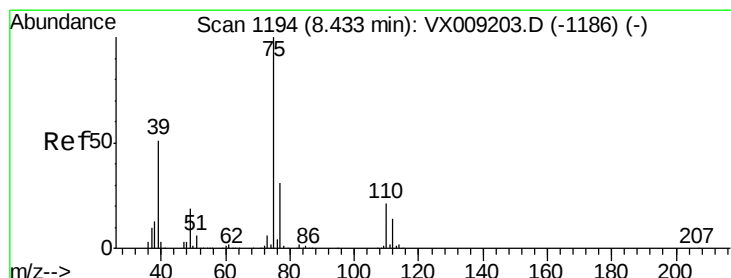
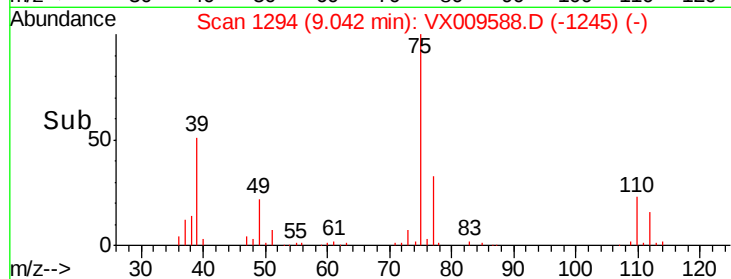
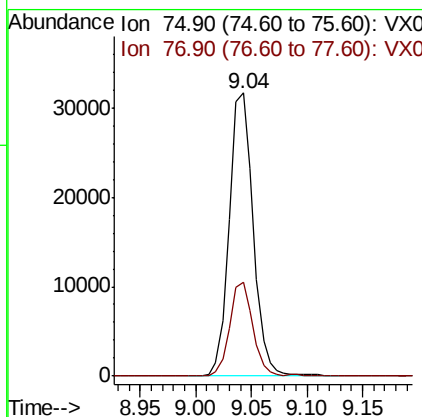
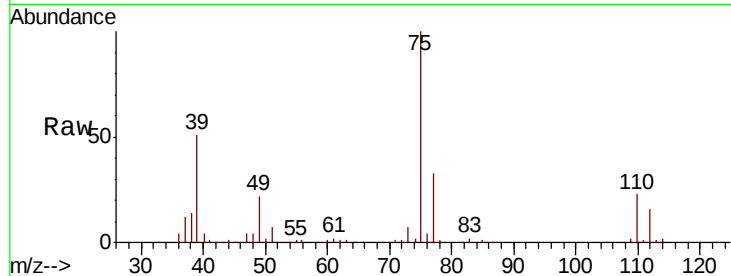




#53
t-1,3-Dichloropropene
Concen: 19.559 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

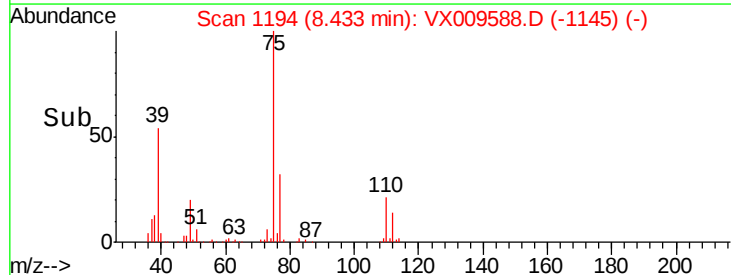
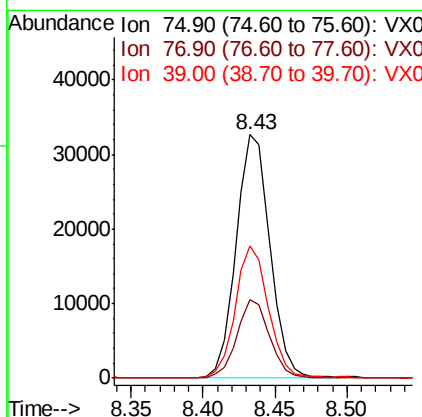
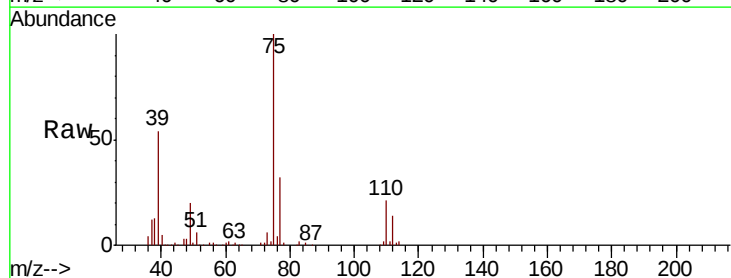
Instrument :
MSVOA_X
ClientSampleId :

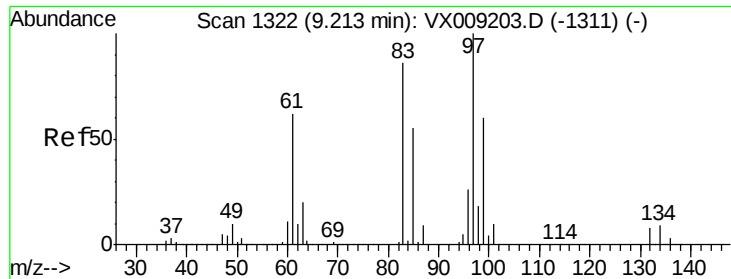
Tot Ion: 75 Resp: 47144
Ion Ratio Lower Upper
75 100
77 33.0 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.998 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 75 Resp: 53351
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 54.2 40.6 60.8

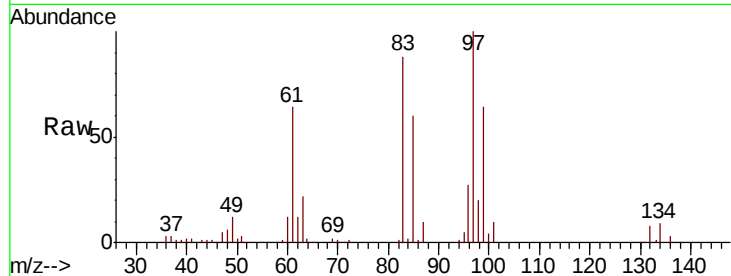




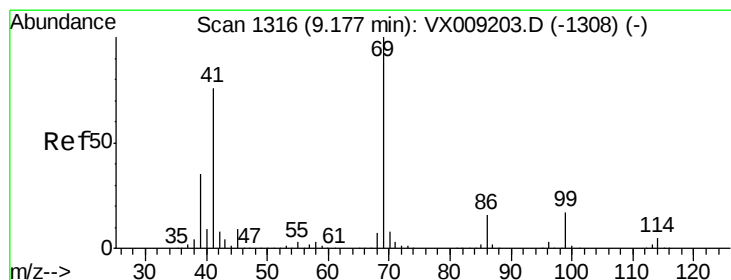
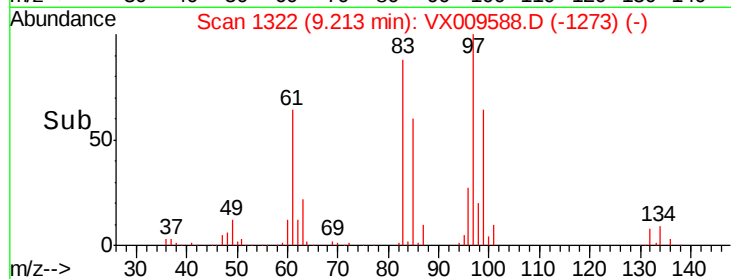
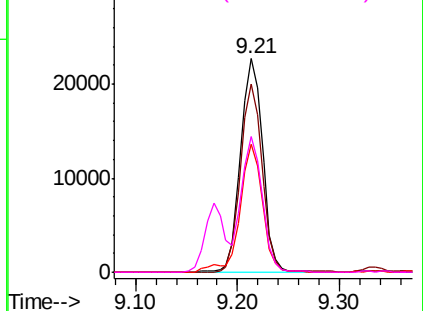
#55
1,1,2-Trichloroethane
Concen: 21.108 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	97	Resp:	34071
Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.9	103.3
85	60.0	43.8	65.6
99	63.5	48.2	72.2

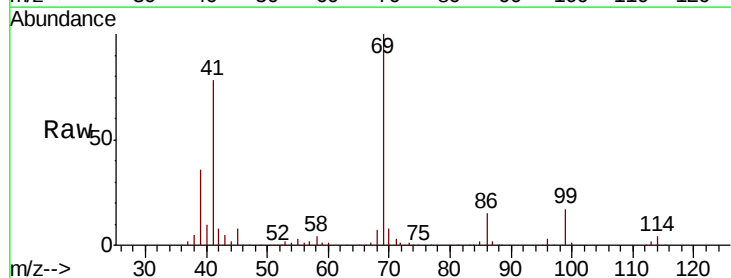


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0

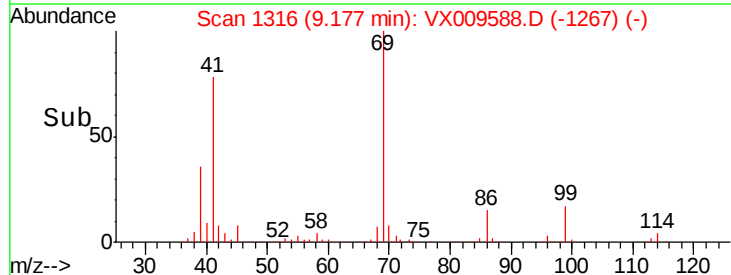
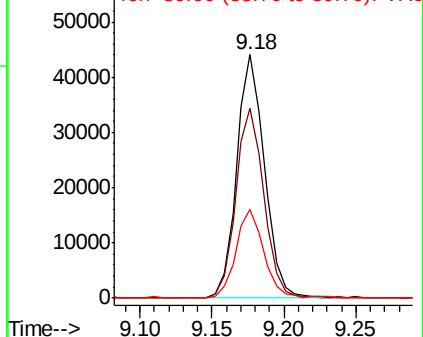


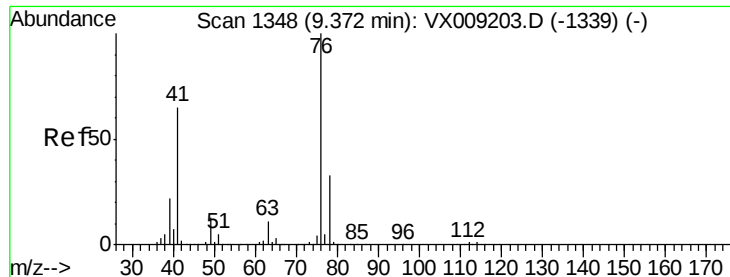
#56
Ethyl methacrylate
Concen: 20.573 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion:	69	Resp:	59278
Ion	Ratio	Lower	Upper
69	100		
41	78.7	60.6	90.8
39	36.0	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

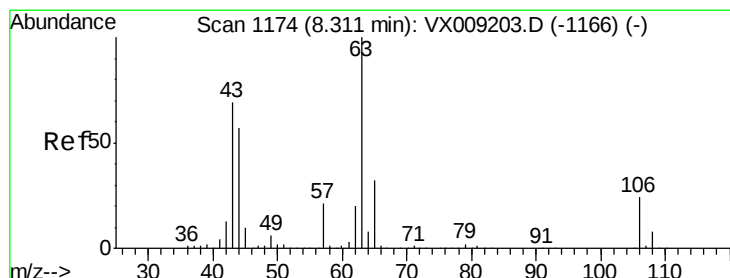
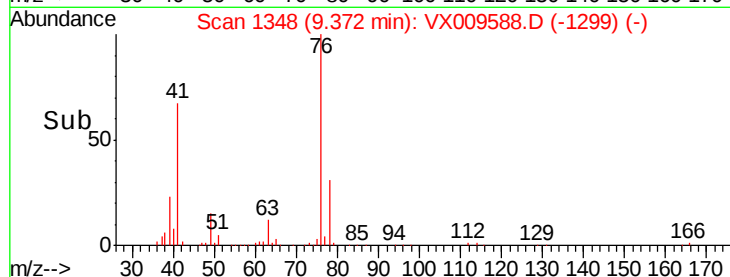
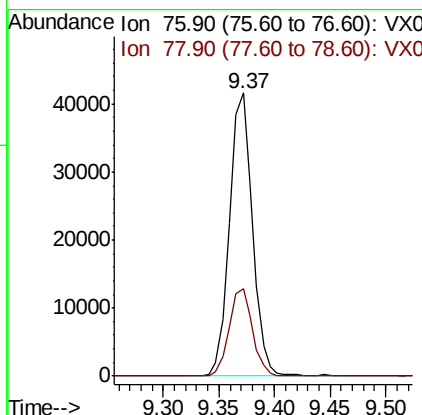
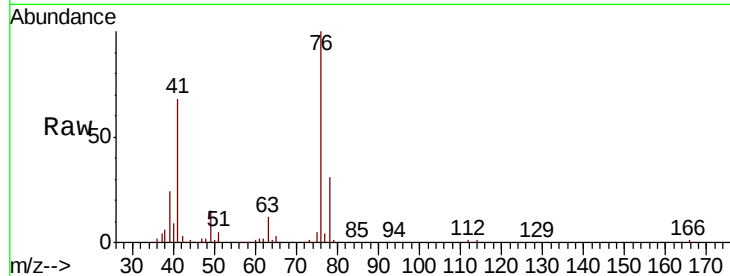




#57
 1,3-Dichloropropane
 Concen: 20.929 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

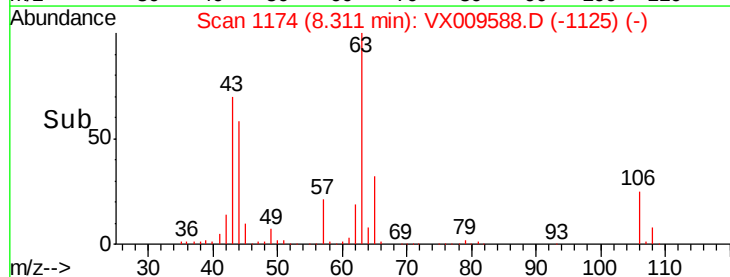
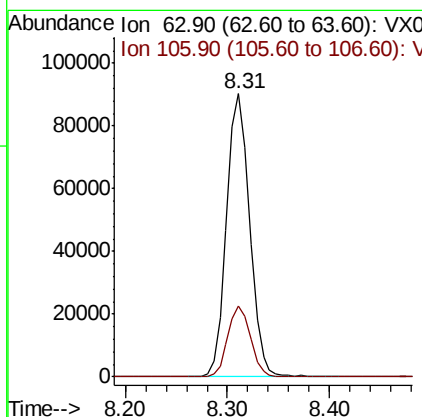
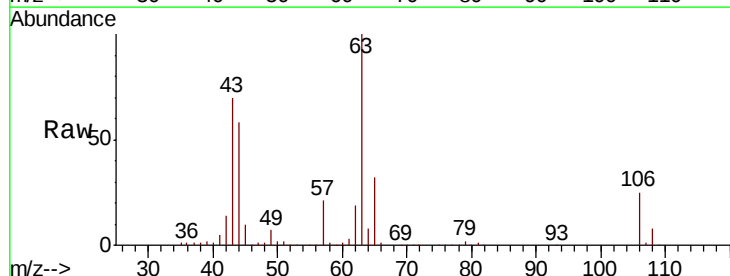
Instrument :
 MSVOA_X
 ClientSampleId :

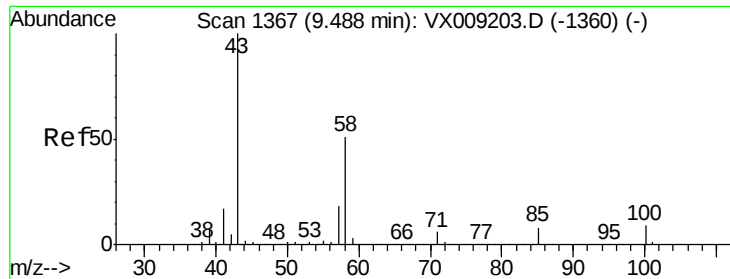
Tot Ion: 76 Resp: 59448
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.769 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Tgt Ion: 63 Resp: 141801
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5

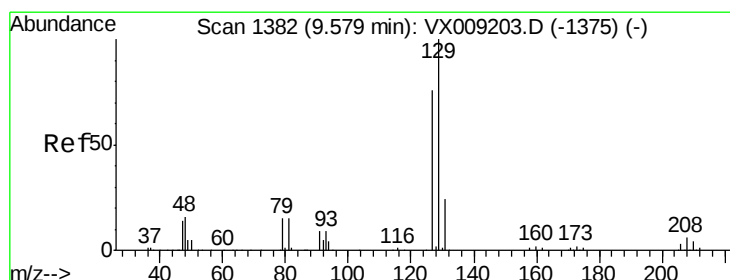
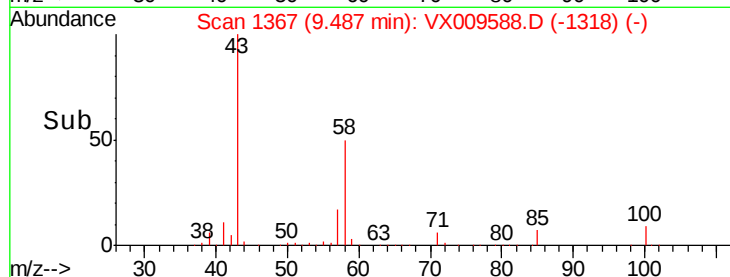
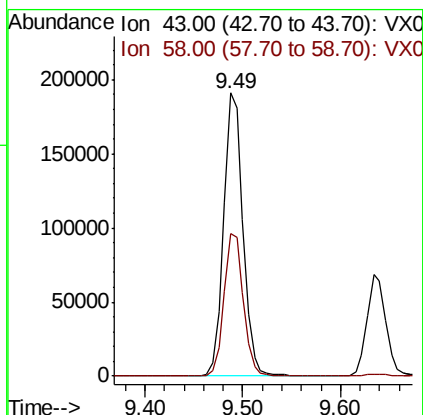
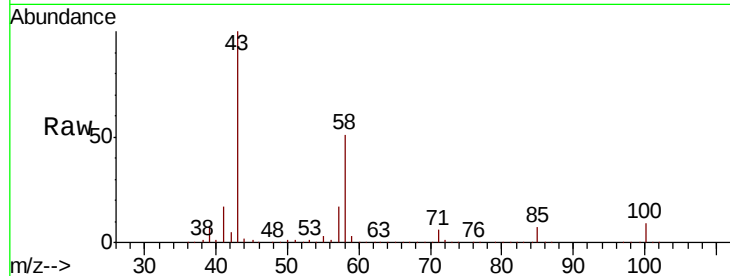




#59
2-Hexanone
Concen: 108.635 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

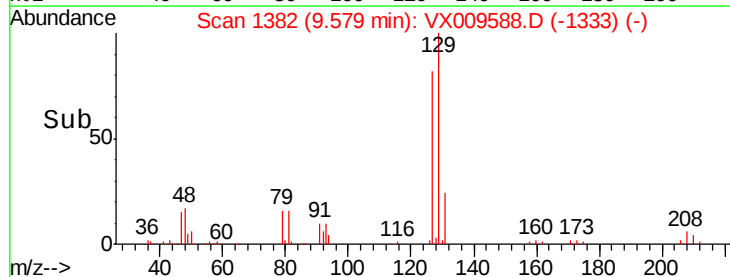
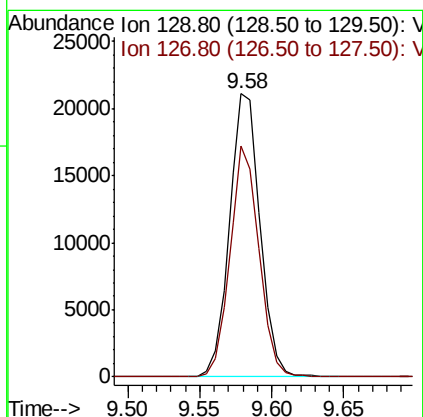
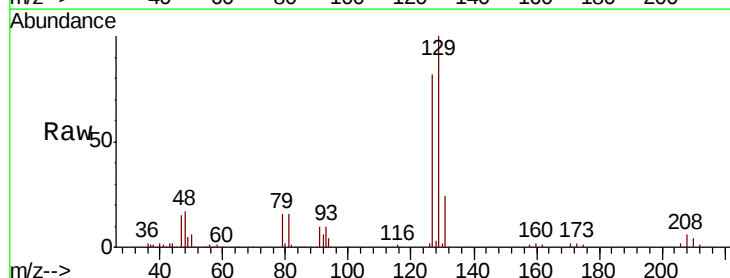
Instrument :
MSVOA_X
ClientSampled :

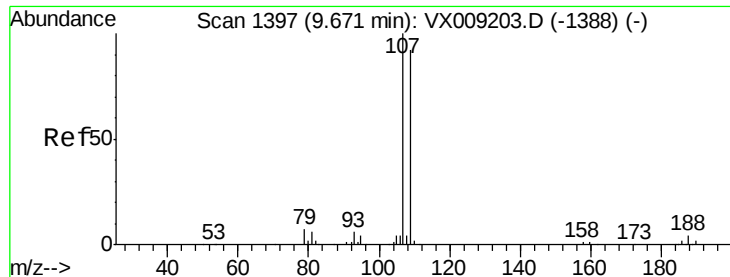
Tot Ion: 43 Resp: 261386
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.7



#60
Dibromochloromethane
Concen: 19.850 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion:129 Resp: 31293
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.927 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

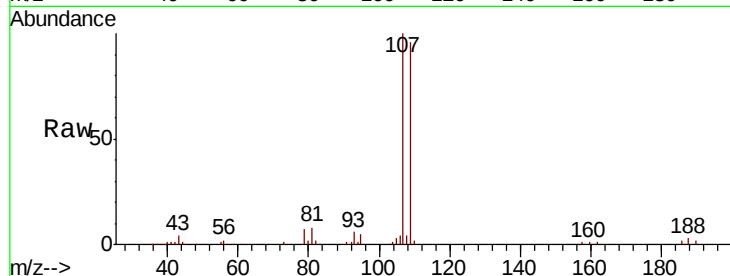
ClientSampled :

Tot Ion:107 Resp: 34097

Ion Ratio Lower Upper

107 100

109 93.2 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

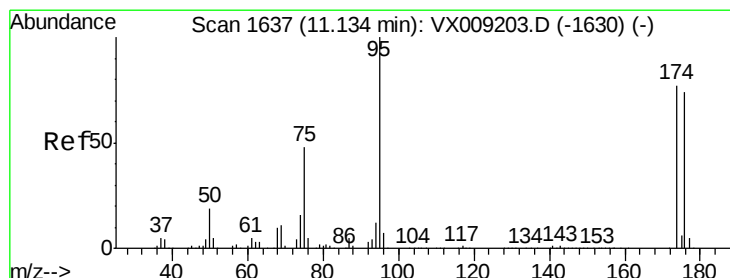
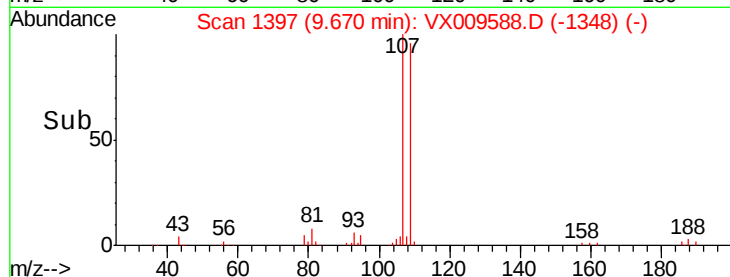
15000

10000

5000

0

Time--> 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.037 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

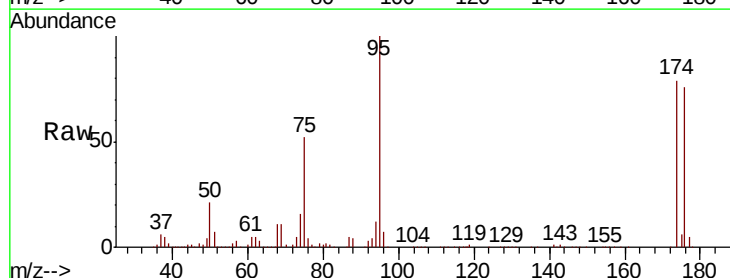
Tgt Ion: 95 Resp: 100255

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

176 79.9 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

11.13

100000

80000

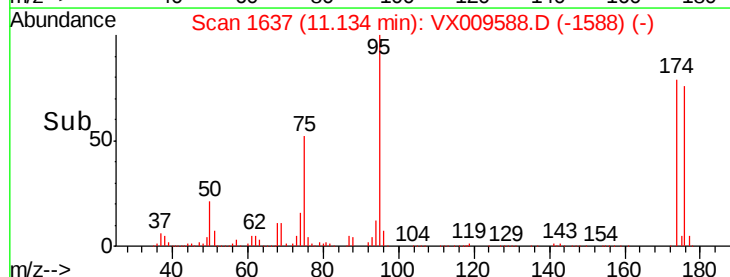
60000

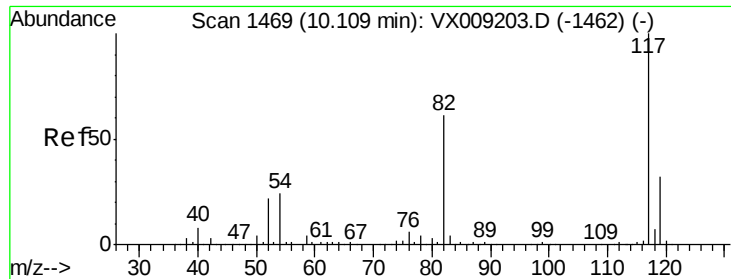
40000

20000

0

Time--> 11.05 11.10 11.15 11.20

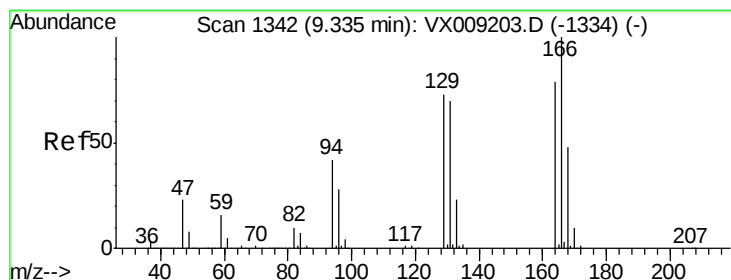
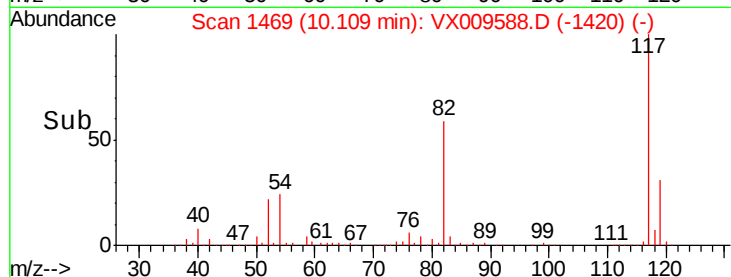
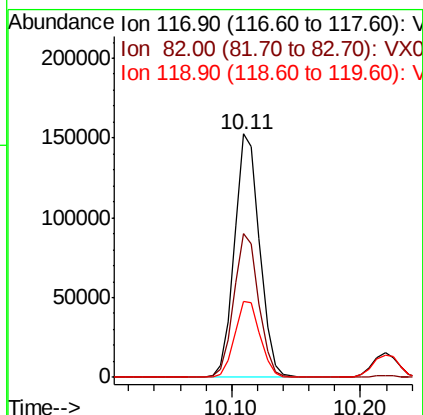
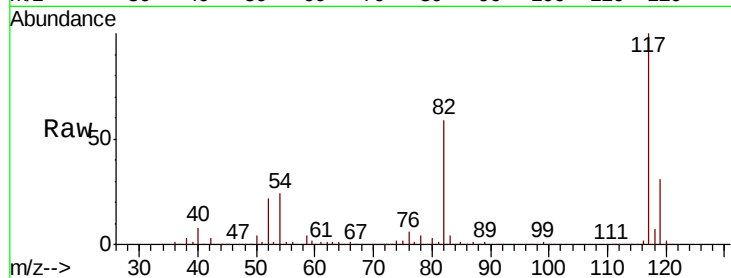




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

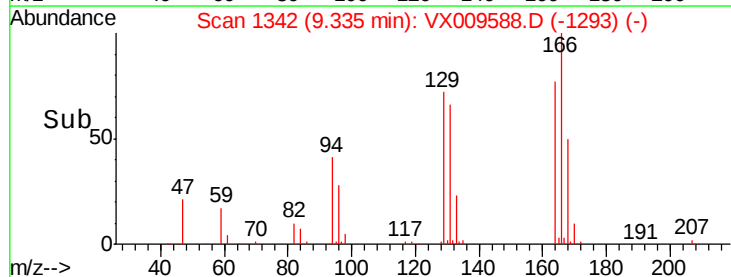
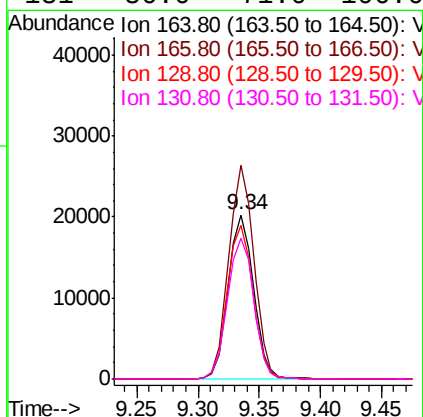
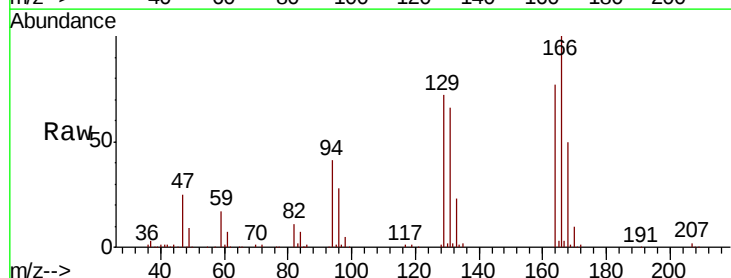
Instrument :
MSVOA_X
ClientSampleId :

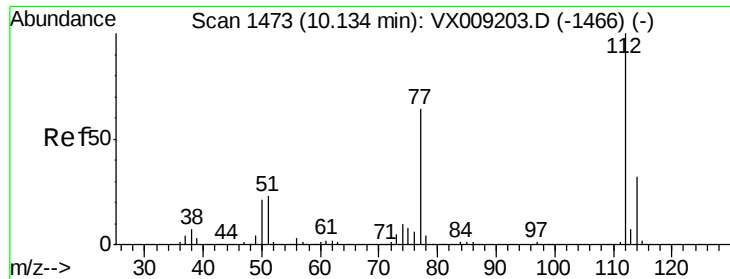
Tot Ion:117 Resp: 206369
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 31.2 25.8 38.6



#64
Tetrachloroethene
Concen: 20.490 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion:164 Resp: 29006
Ion Ratio Lower Upper
164 100
166 129.9 101.2 151.8
129 93.5 74.3 111.5
131 86.0 71.0 106.6

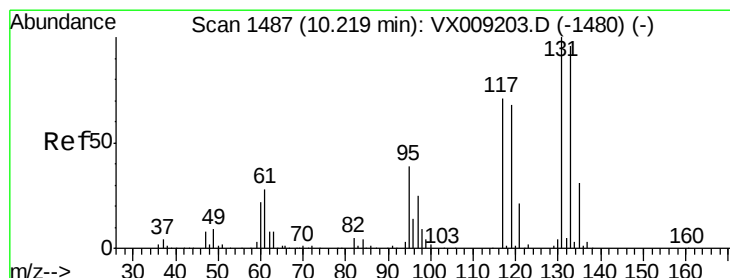
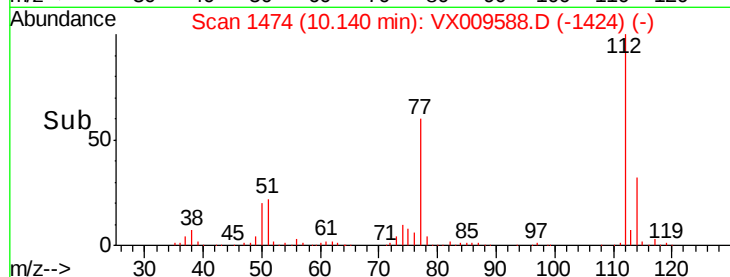
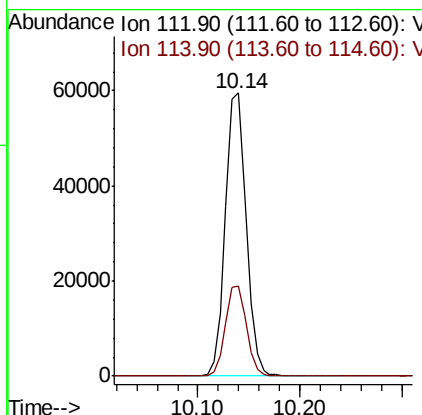
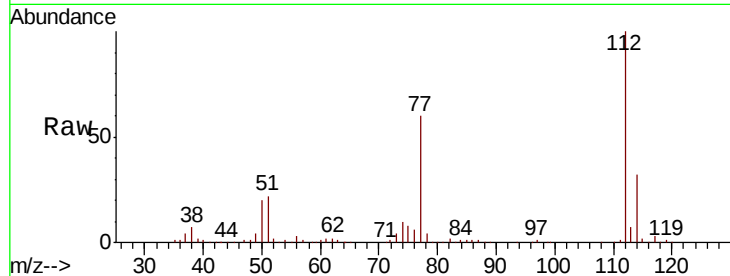




#65
Chlorobenzene
Concen: 20.455 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

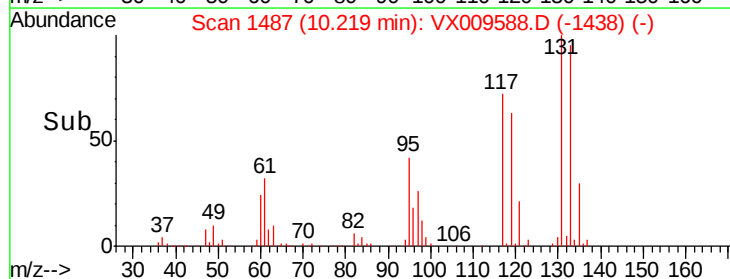
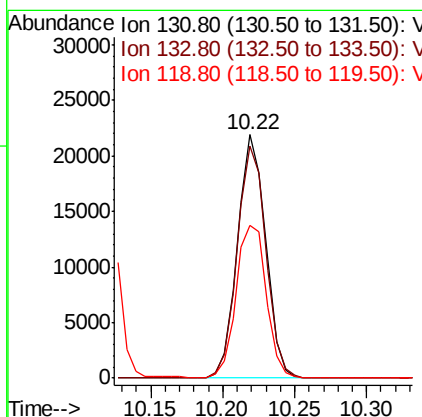
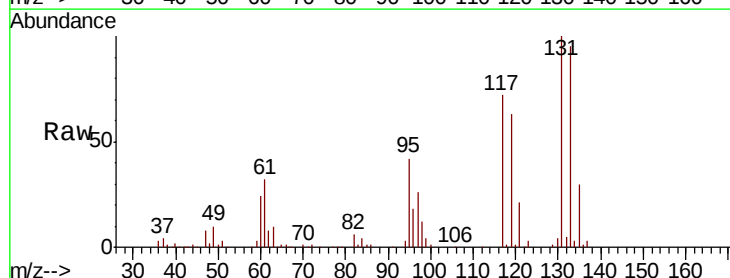
Instrument :
MSVOA_X
ClientSampleId :

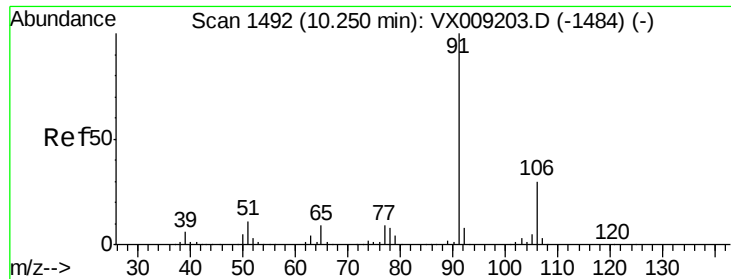
Tot Ion:112 Resp: 84445
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.013 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion:131 Resp: 29953
Ion Ratio Lower Upper
131 100
133 97.2 47.7 143.1
119 67.2 33.5 100.4

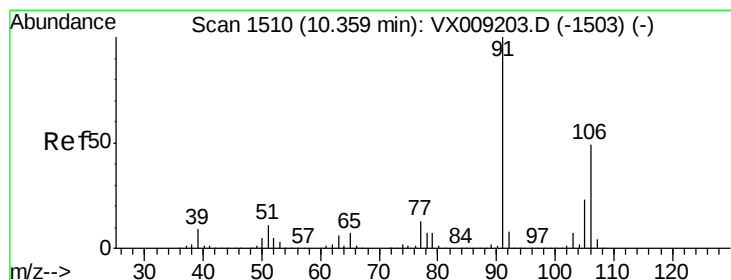
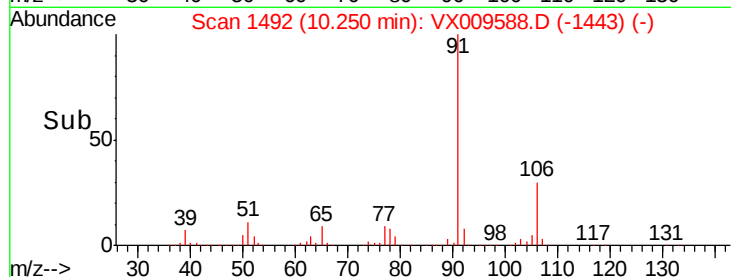
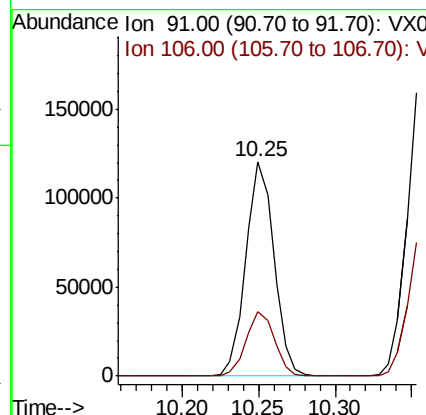
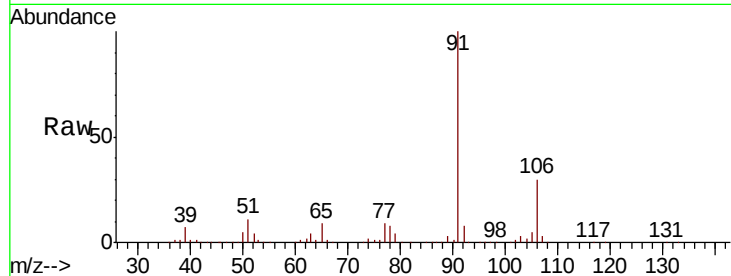




#67
Ethyl Benzene
Concen: 20.353 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

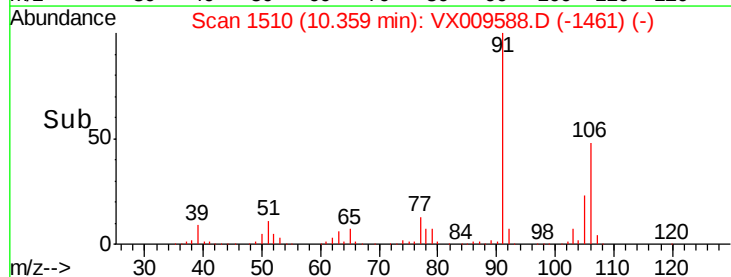
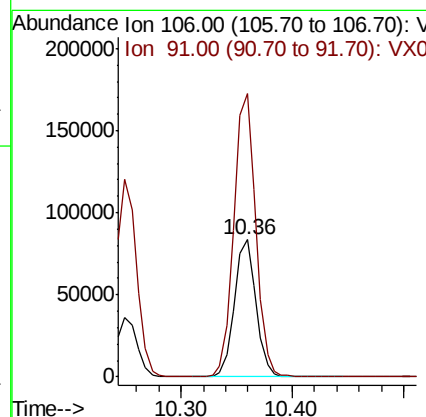
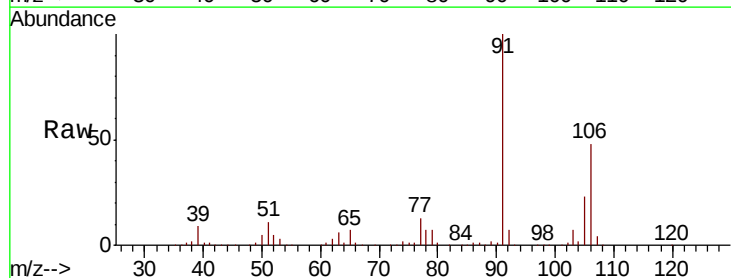
Instrument :
MSVOA_X
ClientSampleId :

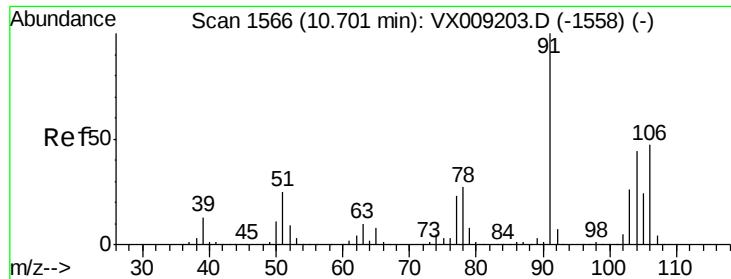
Tot Ion: 91 Resp: 154634
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0



#68
m/p-Xylenes
Concen: 40.238 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion: 106 Resp: 111718
Ion Ratio Lower Upper
106 100
91 209.5 164.0 246.0

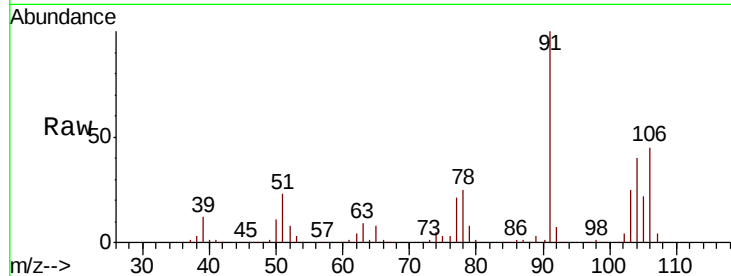




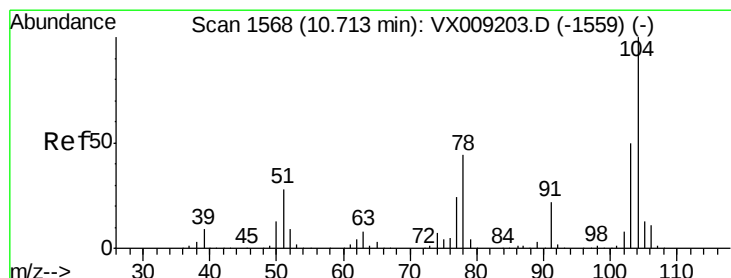
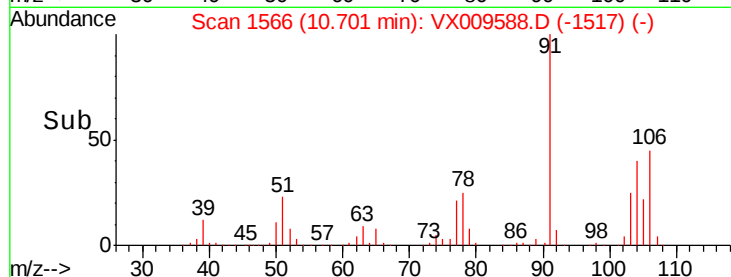
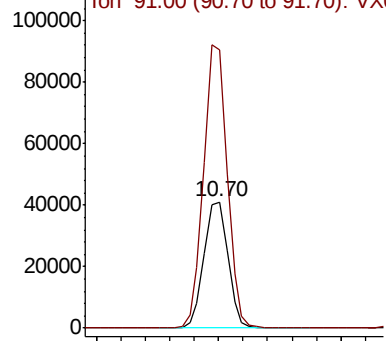
#69
o-Xylene
Concen: 20.348 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:106 Resp: 55741
Ion Ratio Lower Upper
106 100
91 219.5 109.5 328.4

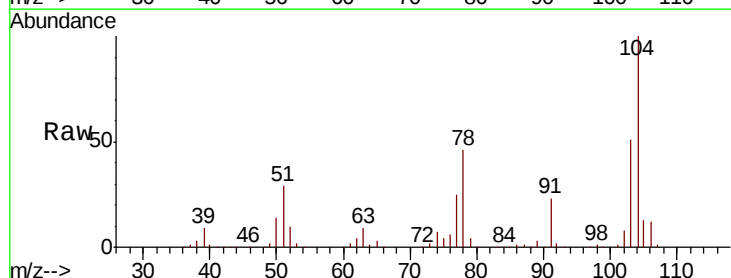


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

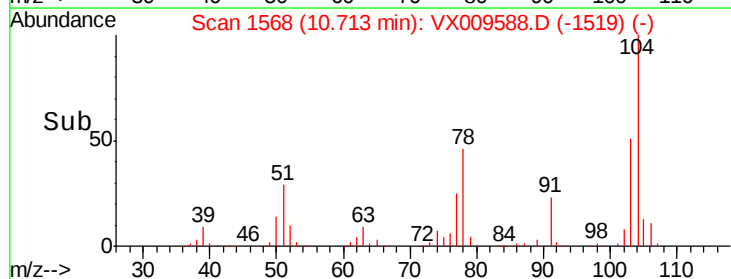
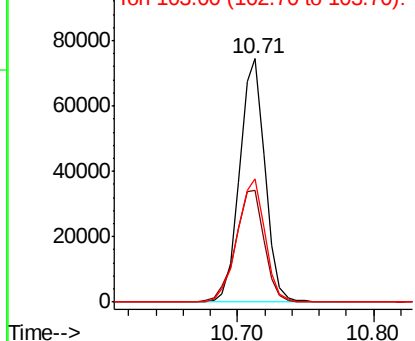


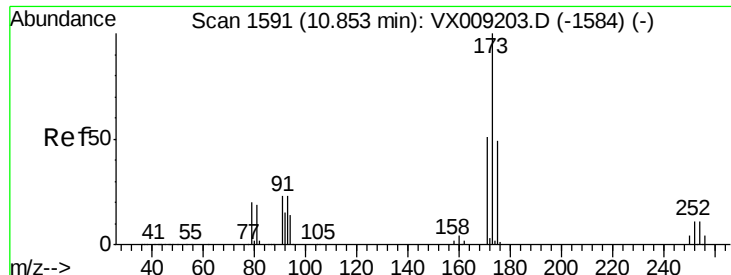
#70
Styrene
Concen: 20.251 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion:104 Resp: 96418
Ion Ratio Lower Upper
104 100
78 52.1 41.0 61.4
103 55.5 43.8 65.6



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





#71

Bromoform

Concen: 19.356 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

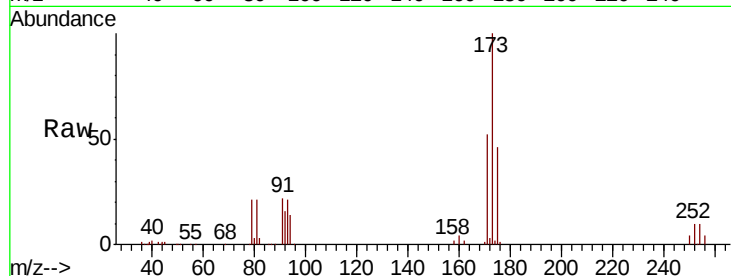
Tot Ion:173 Resp: 23542

Ion Ratio Lower Upper

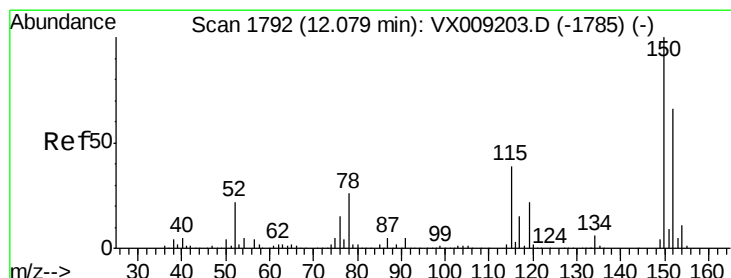
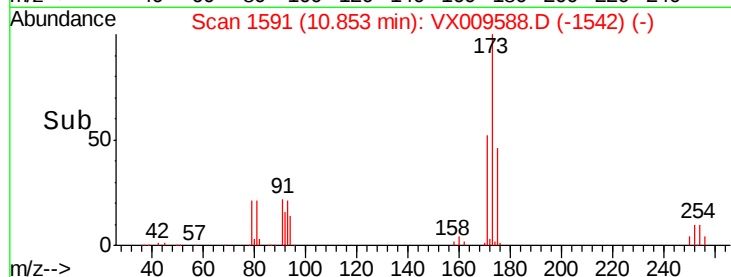
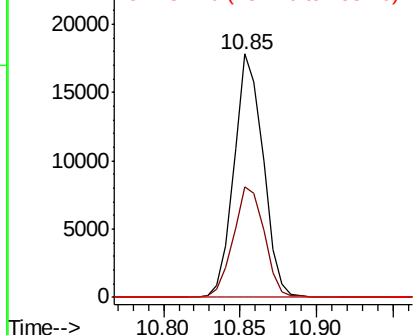
173 100

175 48.2 24.5 73.5

254 0.0 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: VX009588.D

Acq: 15 May 2019 18:21

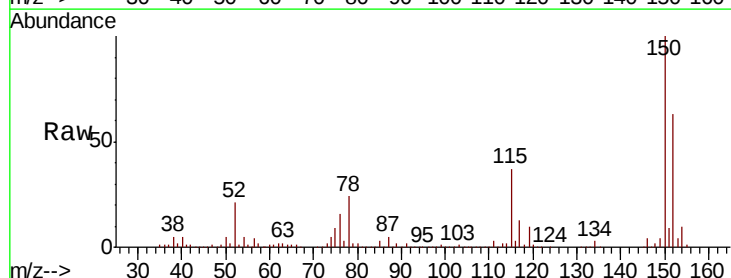
Tgt Ion:152 Resp: 99785

Ion Ratio Lower Upper

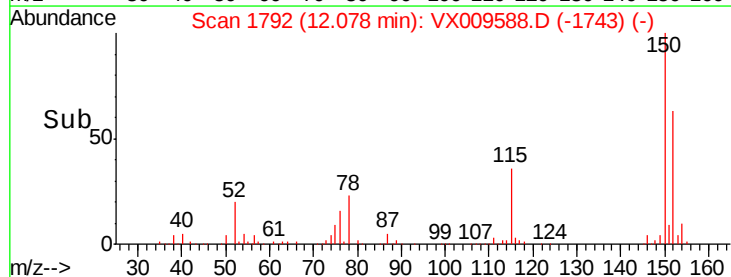
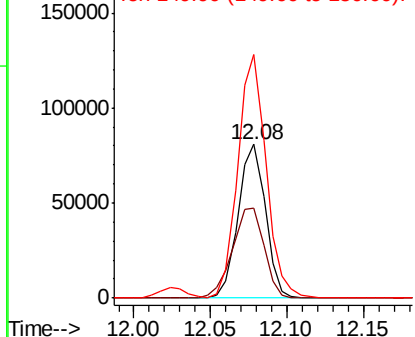
152 100

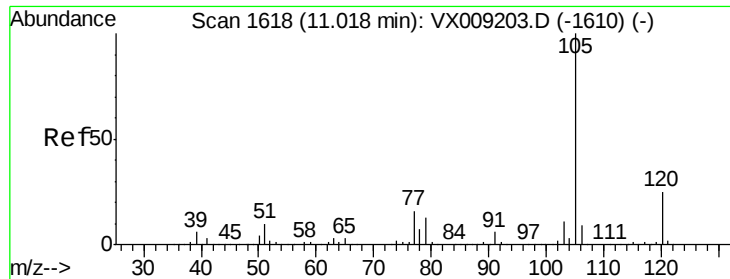
115 67.8 41.2 123.6

150 164.4 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.530 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

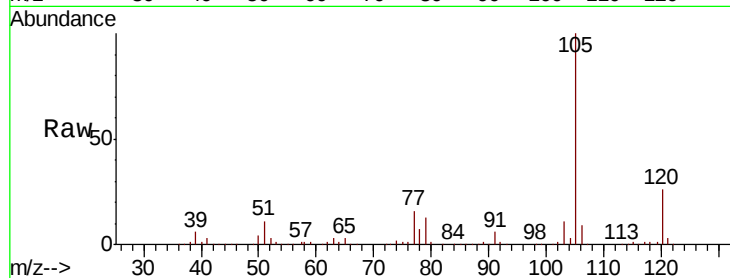
ClientSampled :

Tot Ion:105 Resp: 148974

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

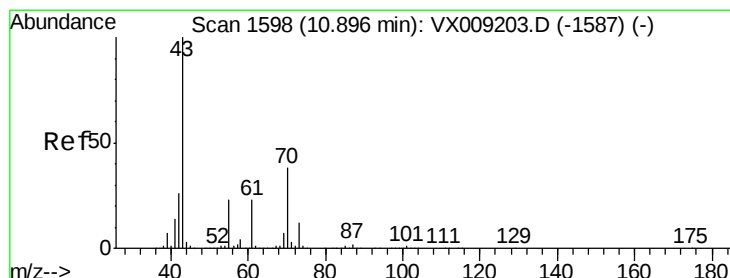
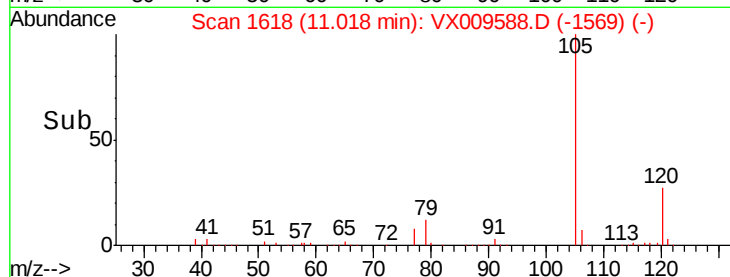
11.02

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.890 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Tgt Ion: 43 Resp: 88373

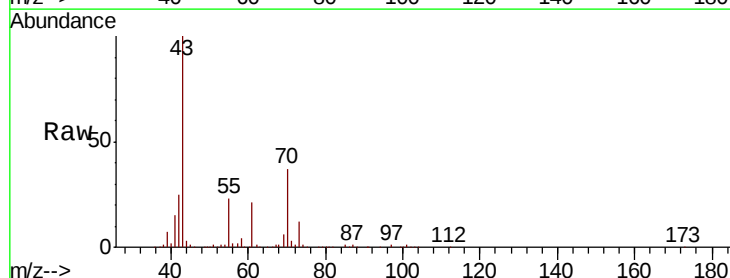
Ion Ratio Lower Upper

43 100

70 37.2 30.0 45.0

55 23.2 17.9 26.9

61 21.6 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

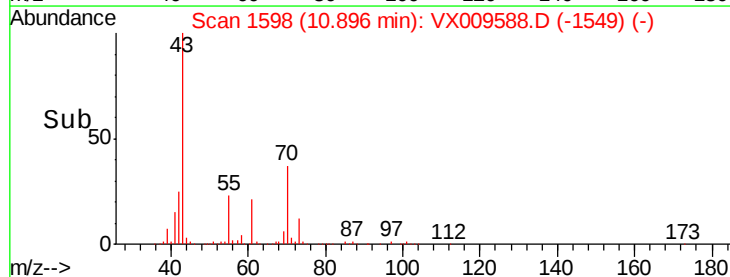
60000

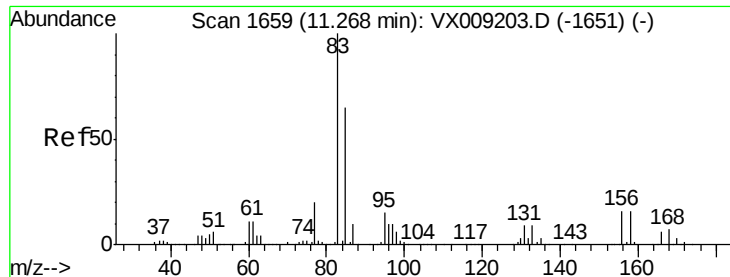
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.853 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampled :

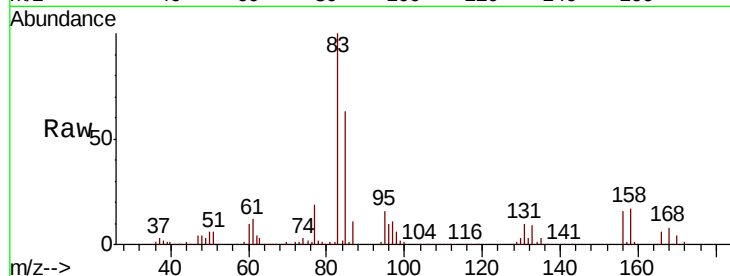
Tot Ion: 83 Resp: 56408

Ion Ratio Lower Upper

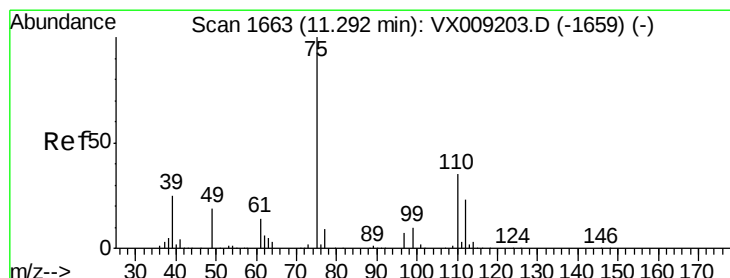
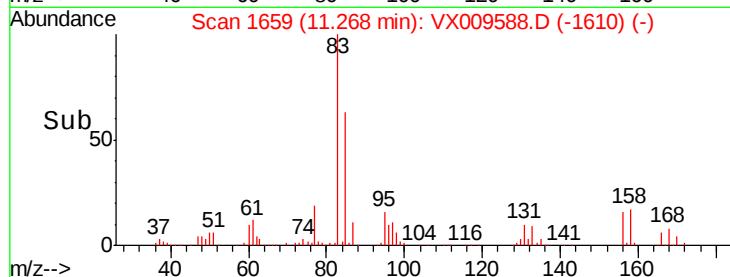
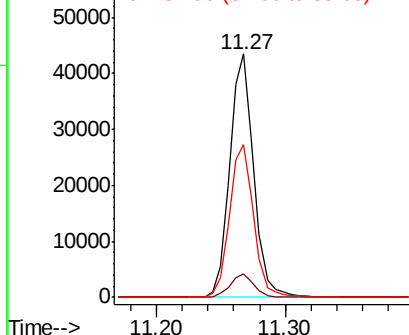
83 100

131 9.5 4.6 13.8

85 63.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 27.538 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009588.D

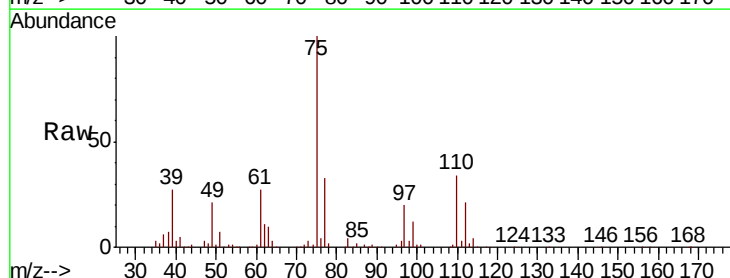
Acq: 15 May 2019 18:21

Tgt Ion: 75 Resp: 63741

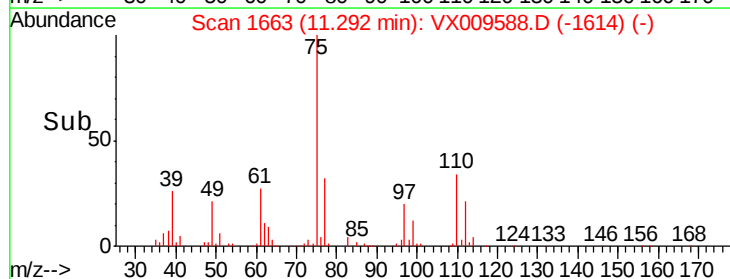
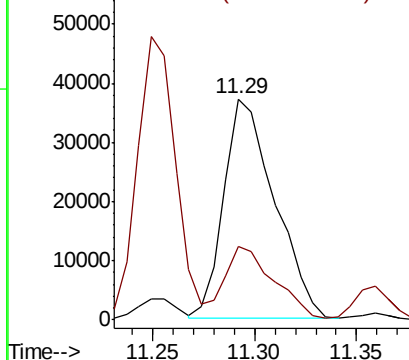
Ion Ratio Lower Upper

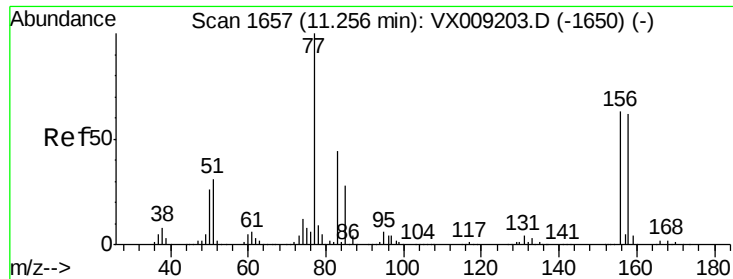
75 100

77 32.9 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.544 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

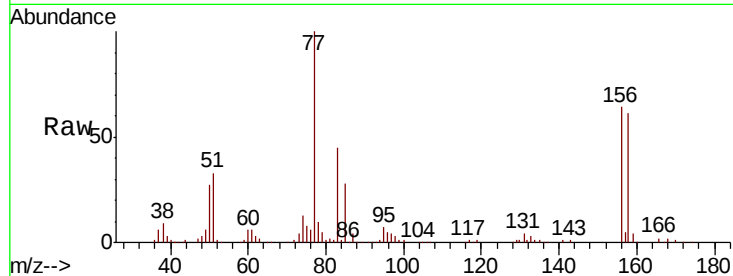
Tot Ion:156 Resp: 37001

Ion Ratio Lower Upper

156 100

77 167.8 84.8 254.3

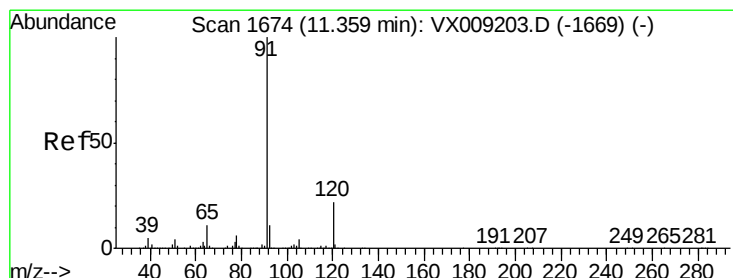
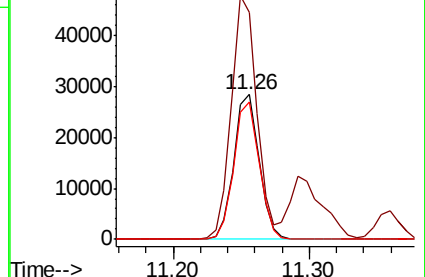
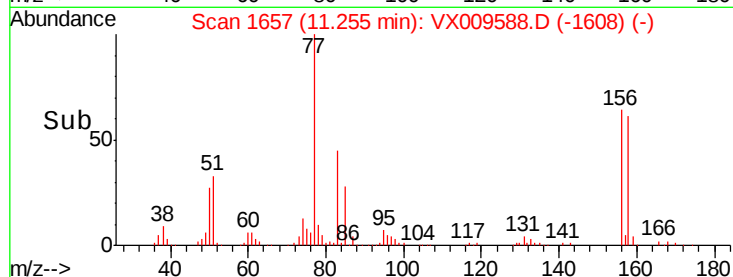
158 95.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.077 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009588.D

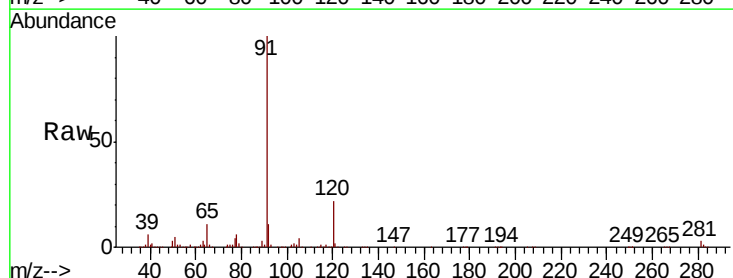
Acq: 15 May 2019 18:21

Tgt Ion: 91 Resp: 166380

Ion Ratio Lower Upper

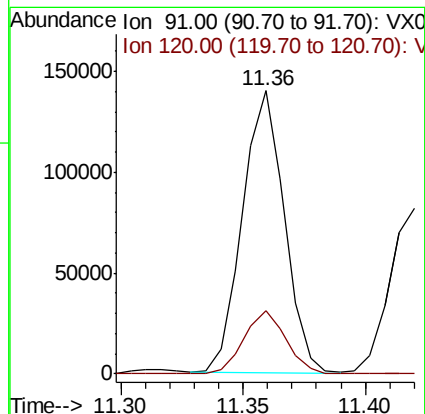
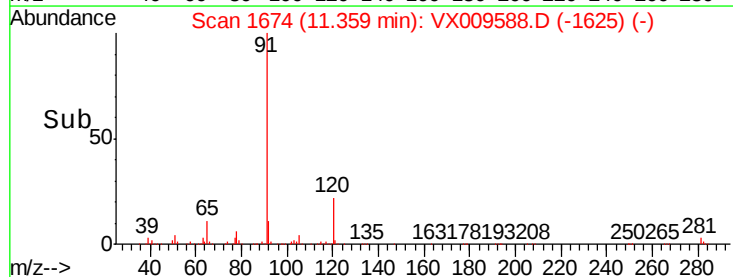
91 100

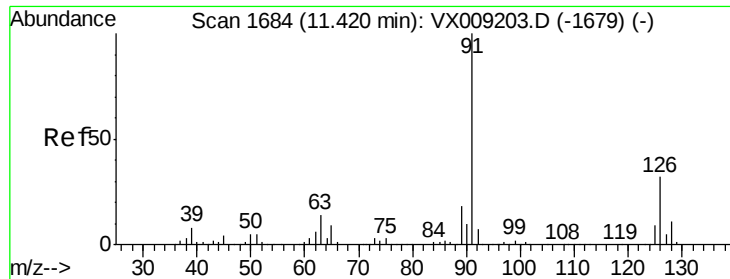
120 22.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

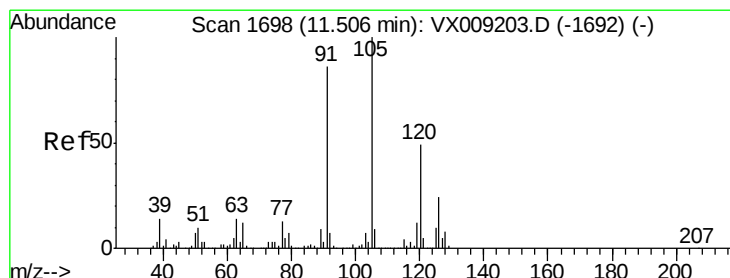
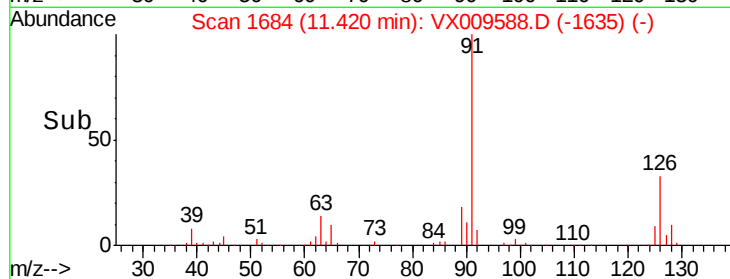
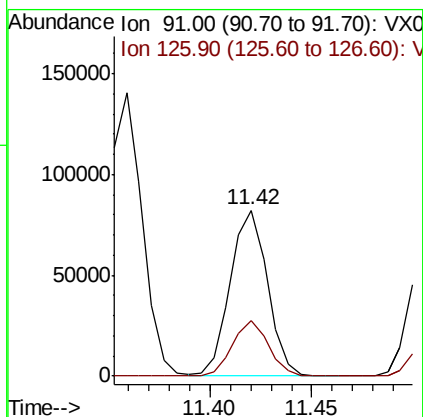
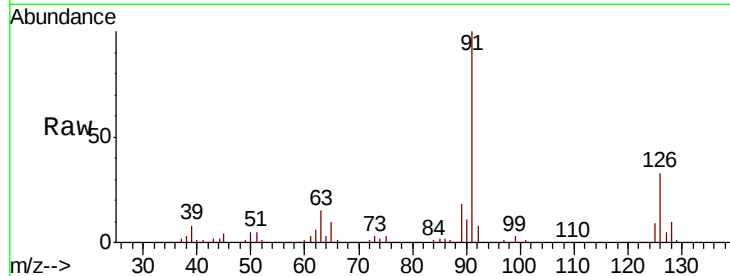




#79
 2-Chlorotoluene
 Concen: 20.194 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

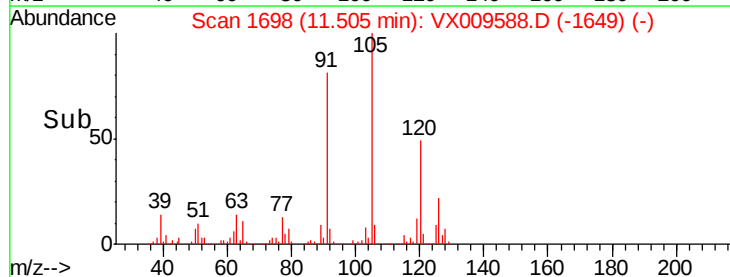
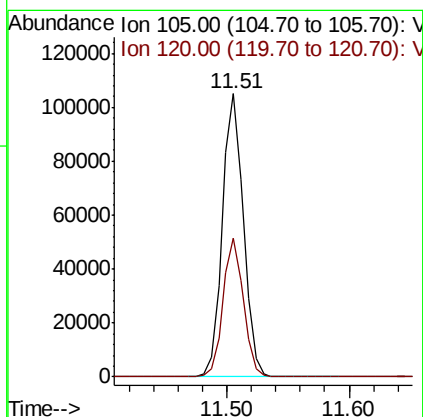
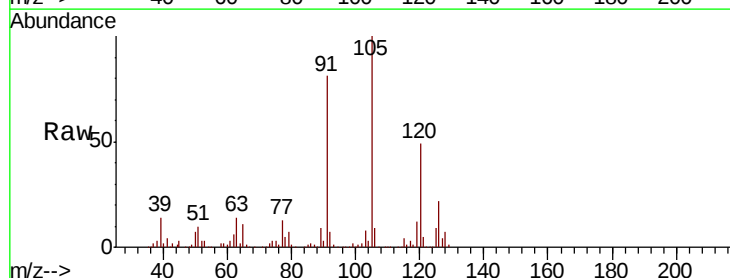
Instrument :
 MSVOA_X
 ClientSampleId :

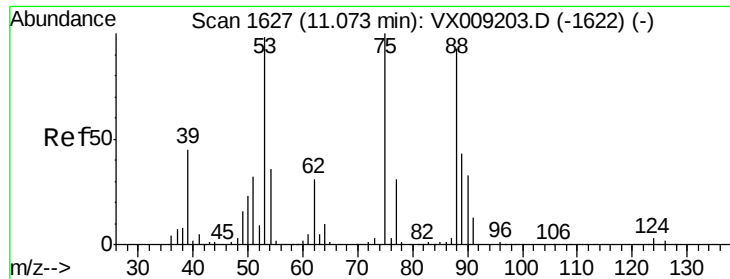
Tot Ion: 91 Resp: 103247
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.475 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Tgt Ion: 105 Resp: 125101
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.308 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

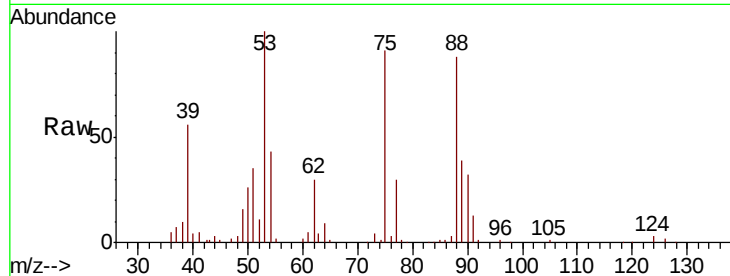
Tot Ion: 75 Resp: 16562

Ion Ratio Lower Upper

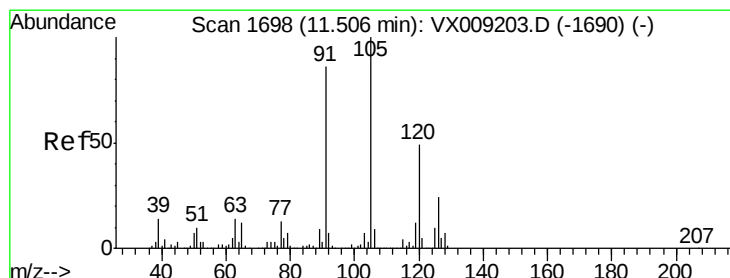
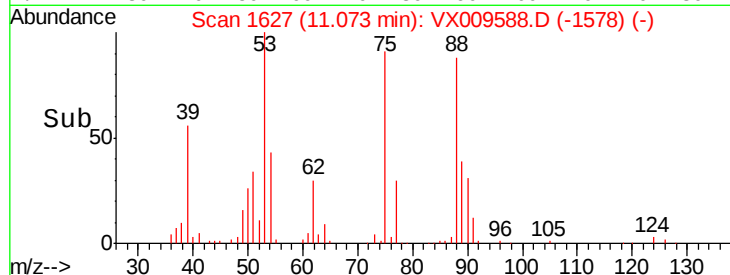
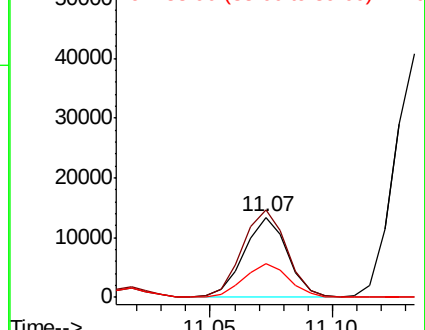
75 100

53 112.3 79.0 118.6

89 44.2 34.7 52.1



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



#82

4-Chlorotoluene

Concen: 20.138 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009588.D

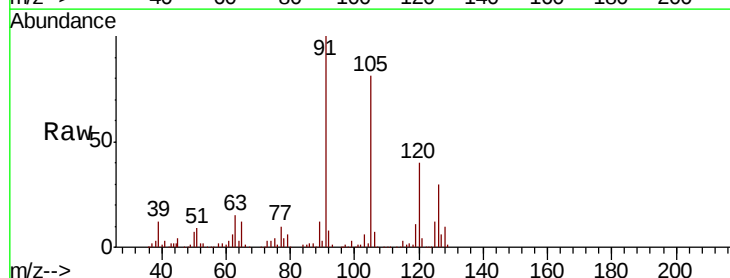
Acq: 15 May 2019 18:21

Tgt Ion: 91 Resp: 116316

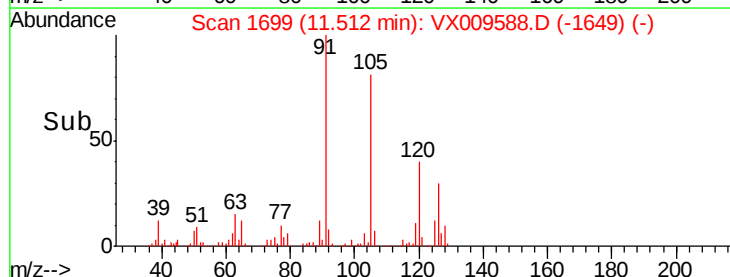
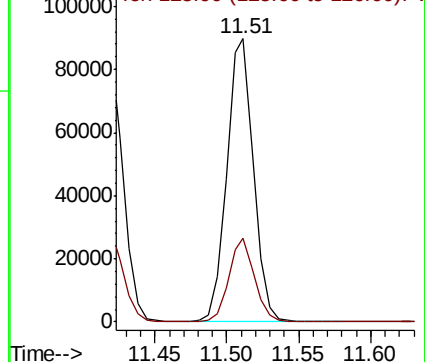
Ion Ratio Lower Upper

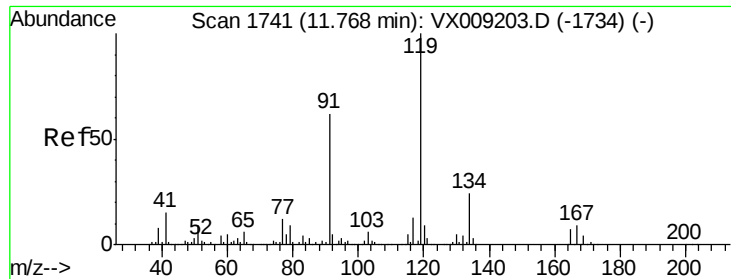
91 100

126 28.6 14.5 43.6



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

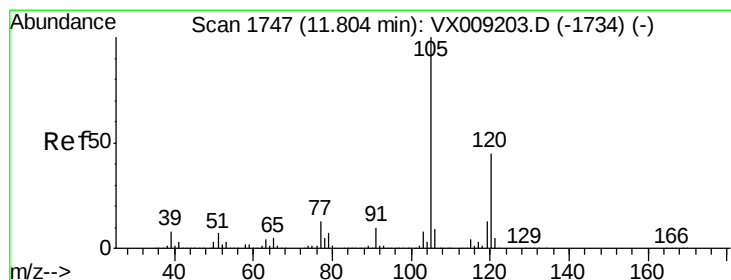
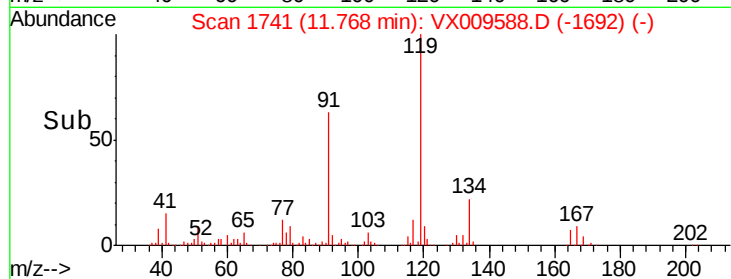
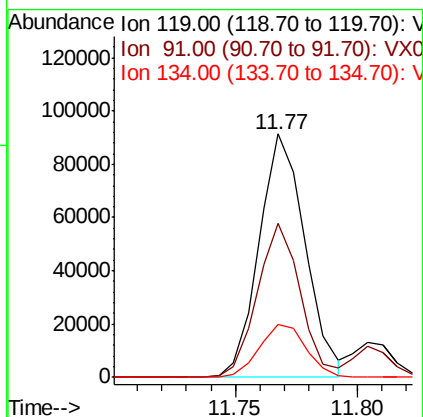
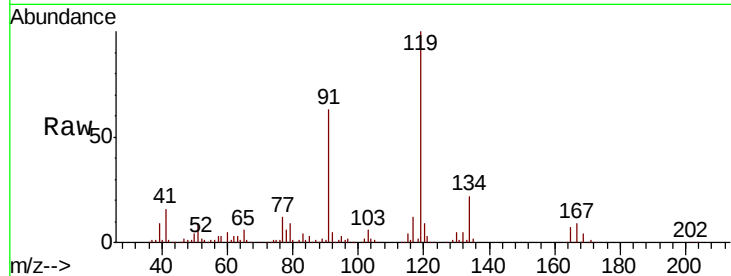




#83
 tert-Butylbenzene
 Concen: 20.120 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

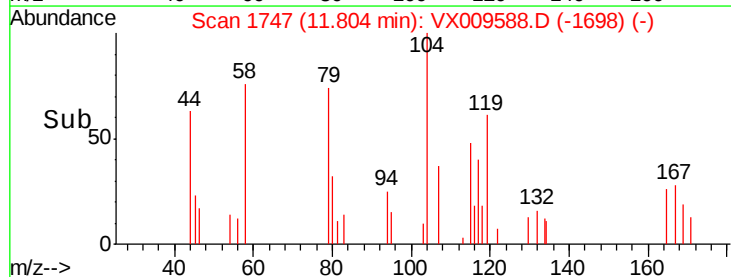
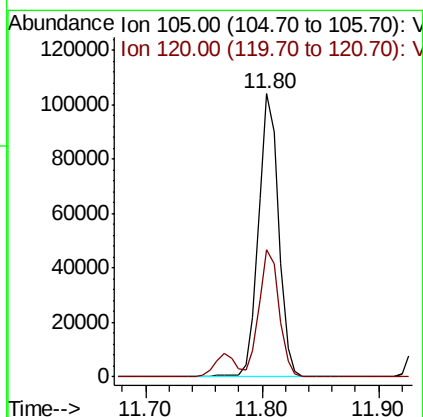
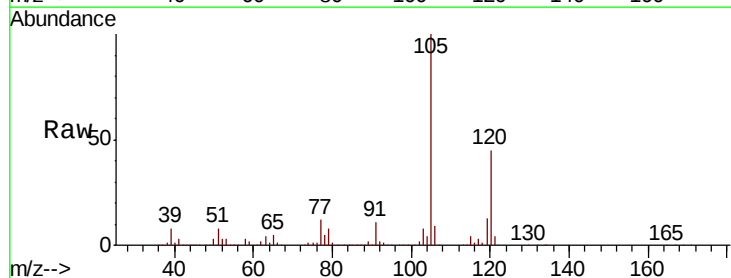
Instrument :
 MSVOA_X
 ClientSampleId :

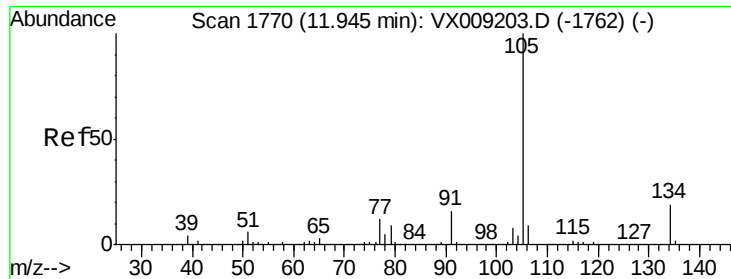
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.5	88.5
134	22.2	11.4	34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.491 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.0	66.0

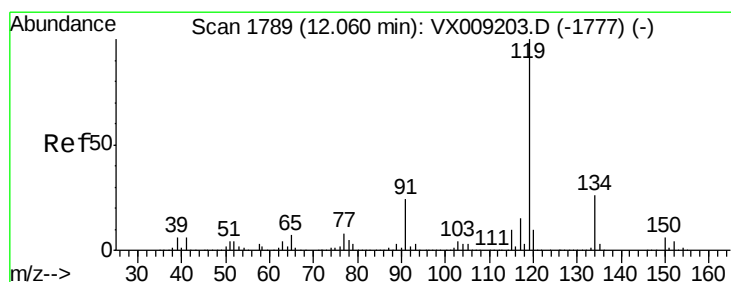
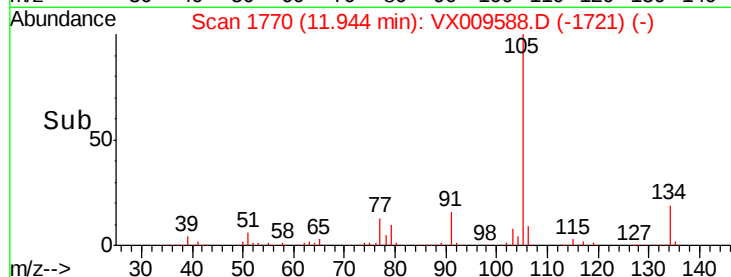
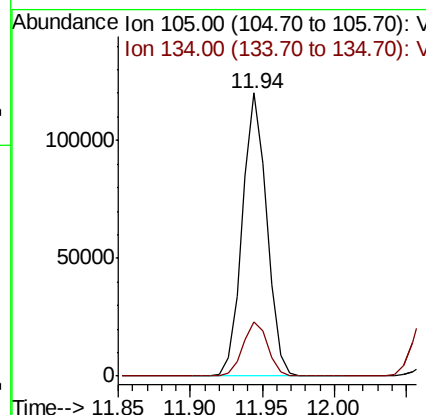
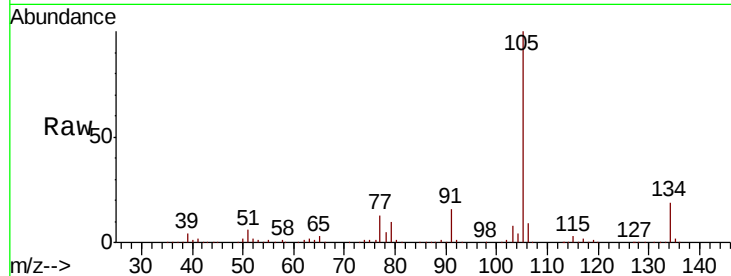




#85
 sec-Butylbenzene
 Concen: 20.143 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

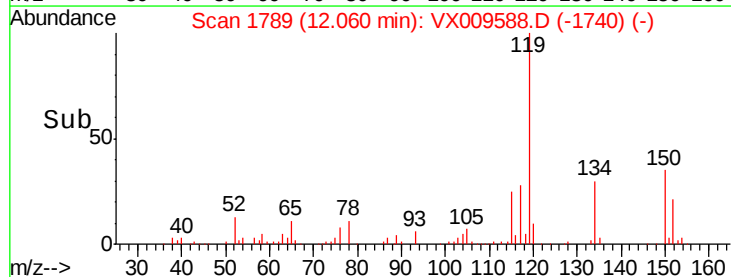
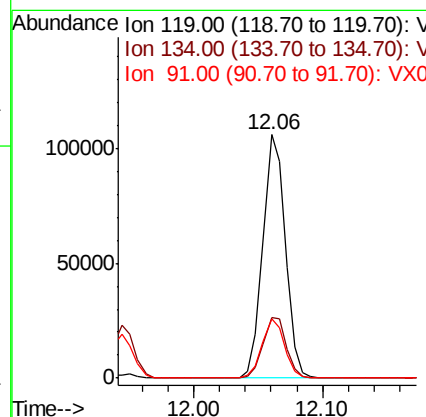
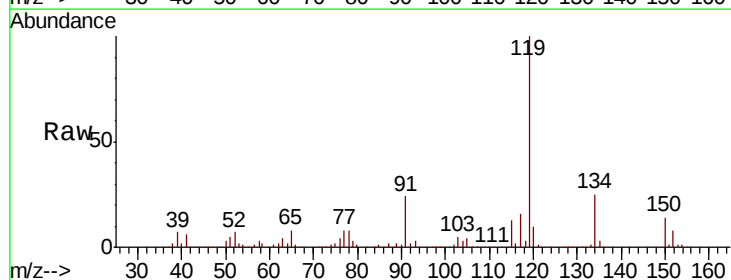
Instrument :
 MSVOA_X
 ClientSampled :

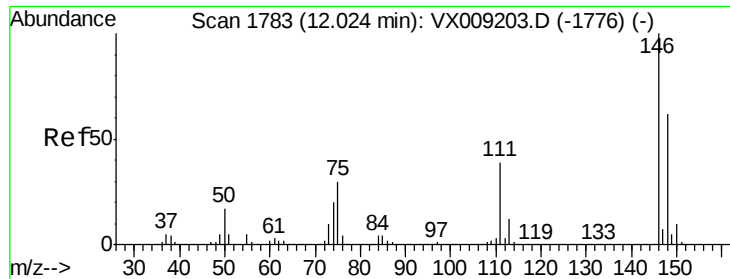
Tot Ion:105 Resp: 141939
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 20.120 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Tgt Ion:119 Resp: 127459
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 24.3 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 20.022 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

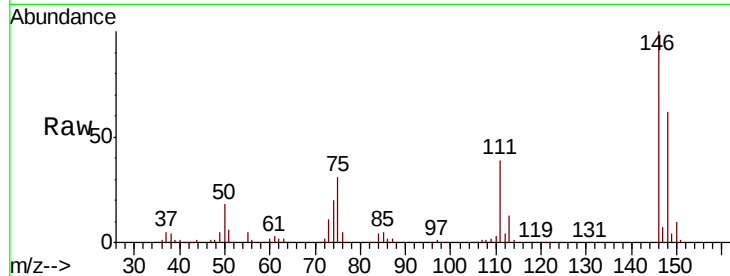
Tot Ion:146 Resp: 64283

Ion Ratio Lower Upper

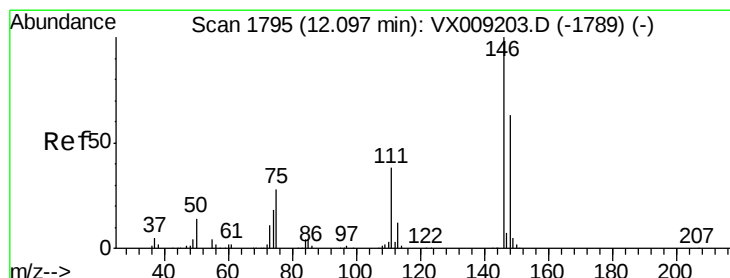
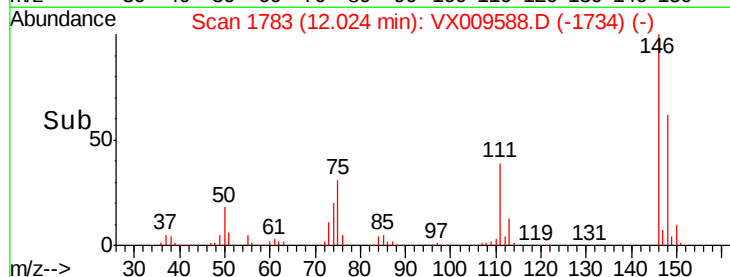
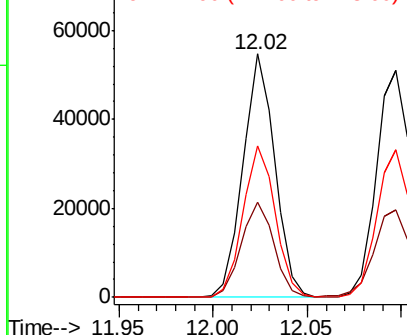
146 100

111 39.8 20.0 59.9

148 63.0 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: 19.937 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

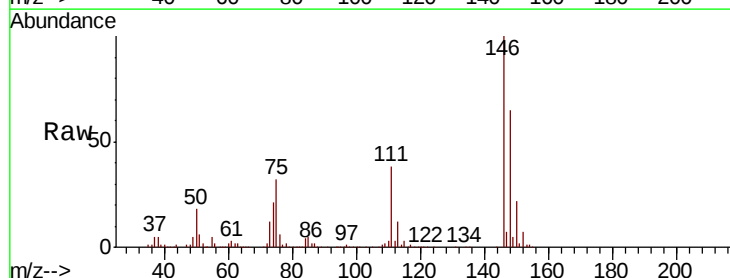
Tgt Ion:146 Resp: 64535

Ion Ratio Lower Upper

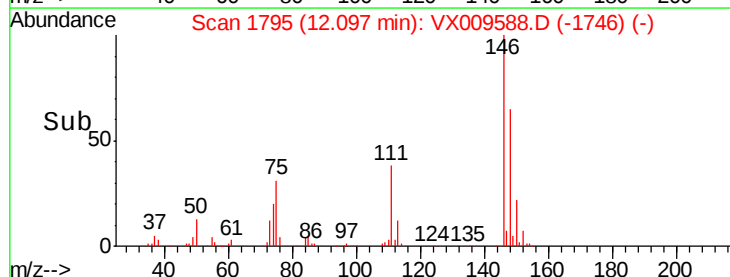
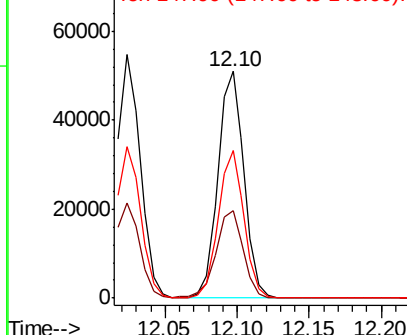
146 100

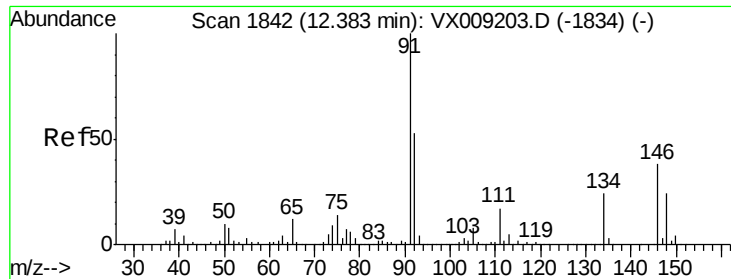
111 40.8 19.6 58.8

148 64.3 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: 19.442 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

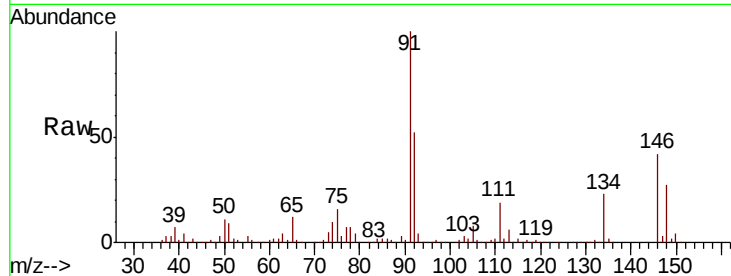
Tot Ion: 91 Resp: 111318

Ion Ratio Lower Upper

91 100

92 52.1 26.5 79.5

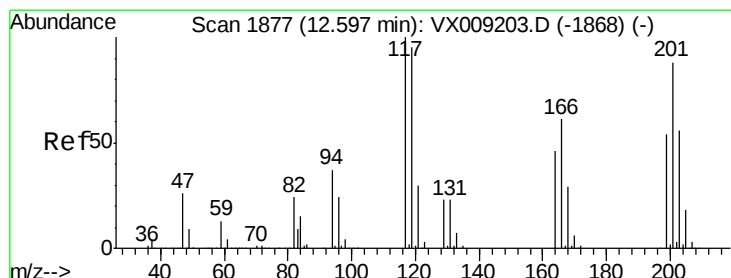
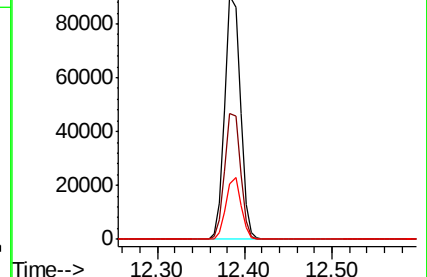
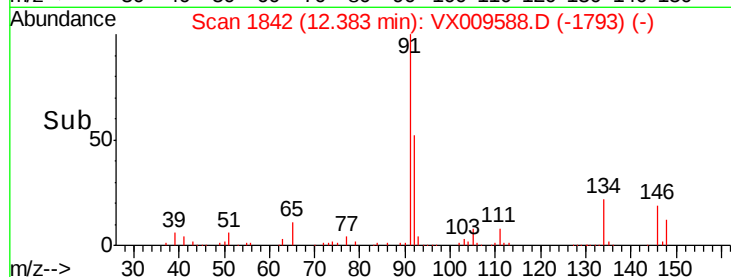
134 24.3 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX009588.D (-1793) (-)

Ion 92.00 (91.70 to 92.70): VX009588.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX009588.D (-1793) (-)



#90

Hexachloroethane

Concen: 18.846 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009588.D

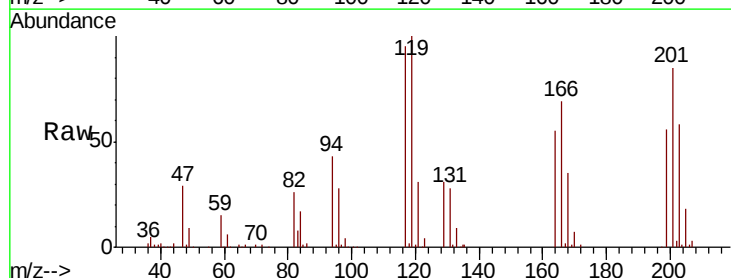
Acq: 15 May 2019 18:21

Tgt Ion: 117 Resp: 20339

Ion Ratio Lower Upper

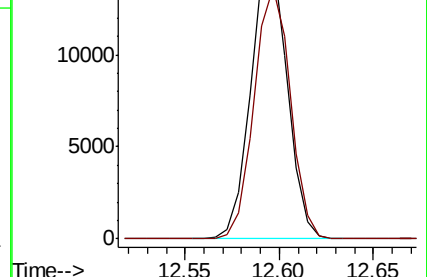
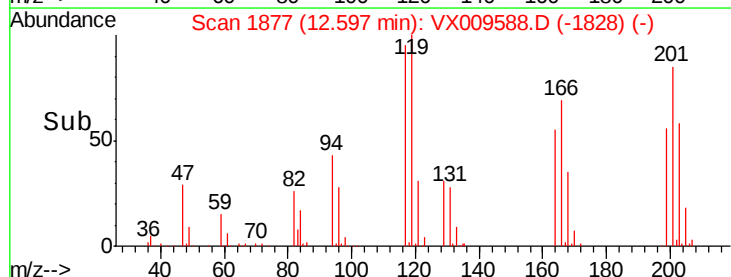
117 100

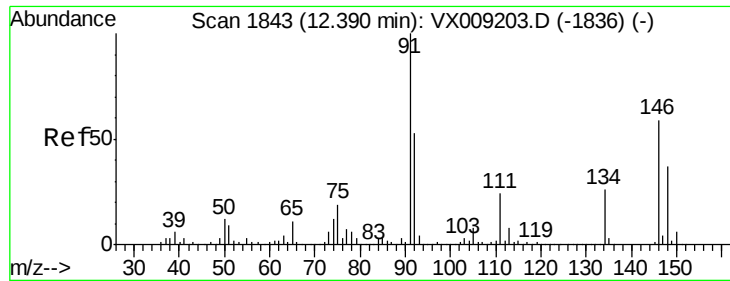
201 88.9 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): VX009588.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX009588.D (-1828) (-)





#91

1,2-Dichlorobenzene

Concen: 20.283 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

Instrument :

MSVOA_X

ClientSampleId :

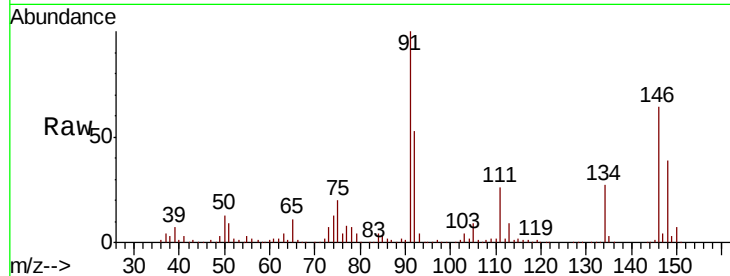
Tot Ion:146 Resp: 66328

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.4

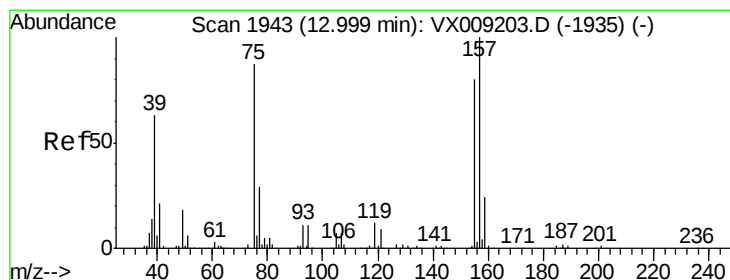
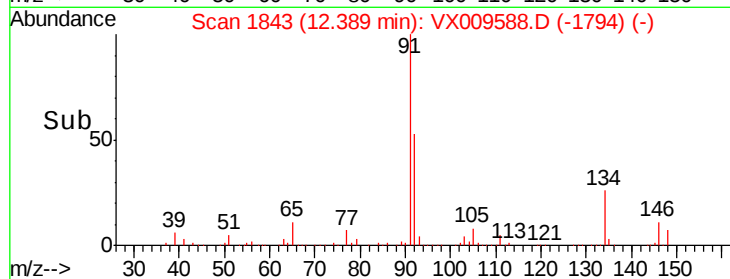
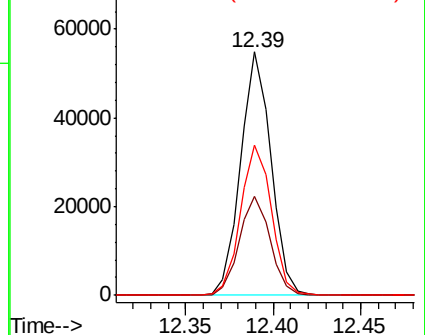
148 63.0 31.9 95.9



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: 21.217 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009588.D

Acq: 15 May 2019 18:21

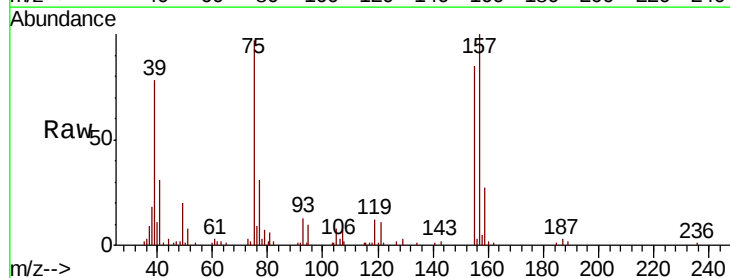
Tgt Ion: 75 Resp: 12875

Ion Ratio Lower Upper

75 100

155 79.1 42.0 126.0

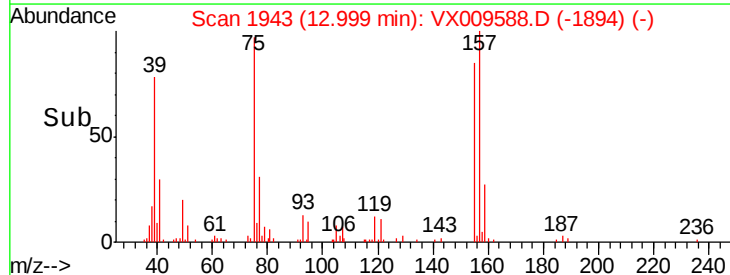
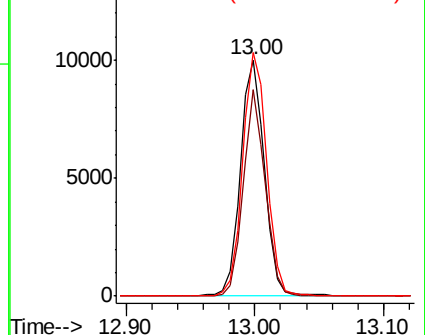
157 102.7 53.2 159.6

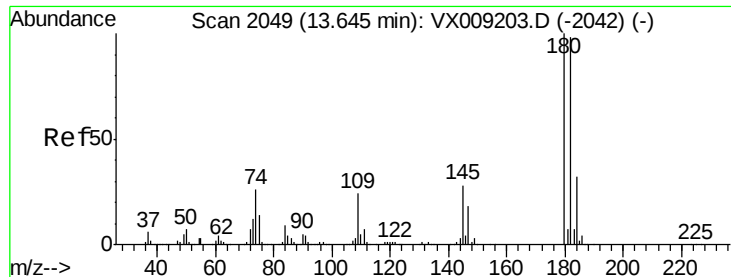


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

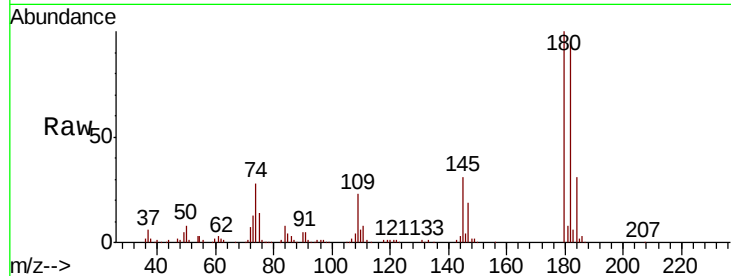




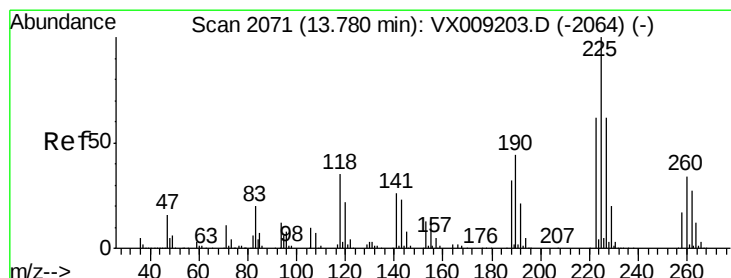
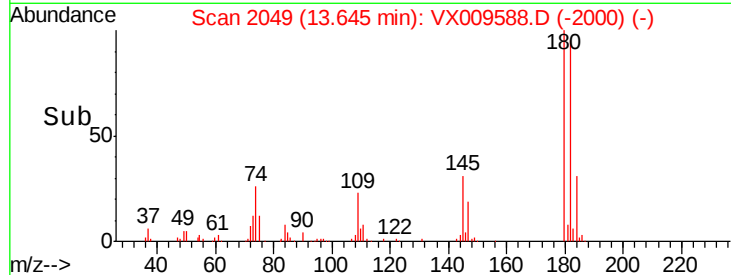
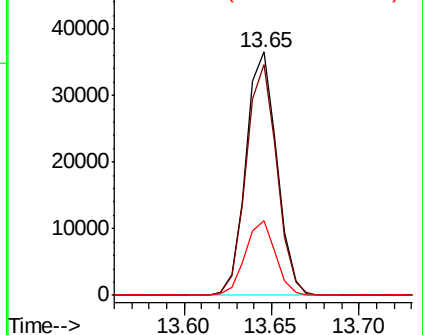
#93
 1,2,4-Trichlorobenzene
 Concen: 20.056 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.2
145	29.9	14.6	43.8

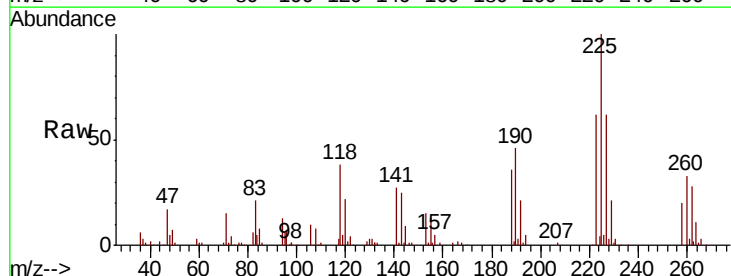


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

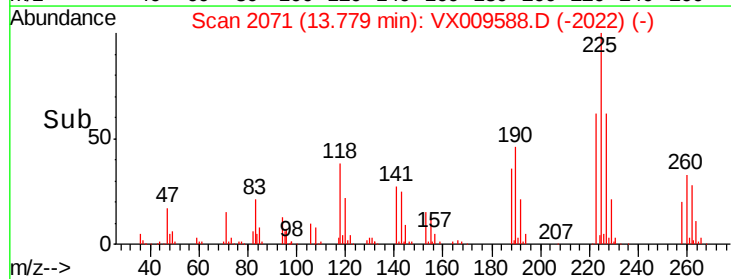
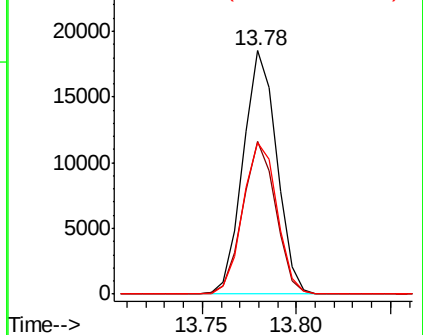


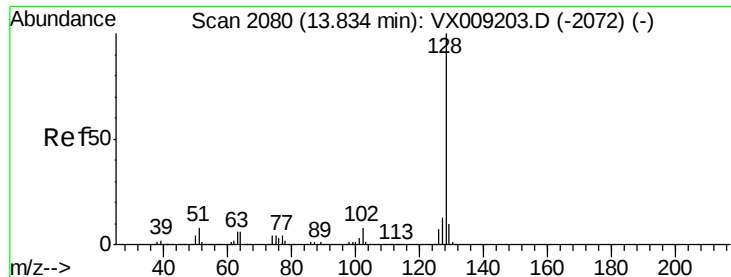
#94
 Hexachlorobutadiene
 Concen: 20.087 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009588.D
 Acq: 15 May 2019 18:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.3	93.8
227	63.2	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

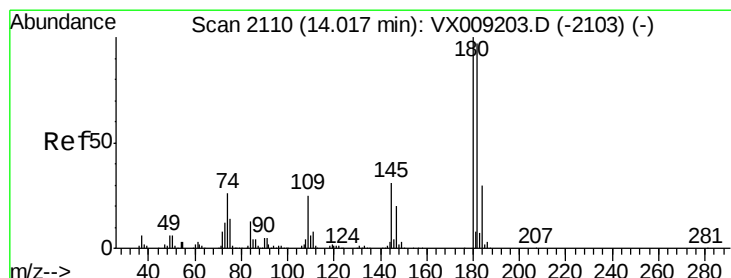
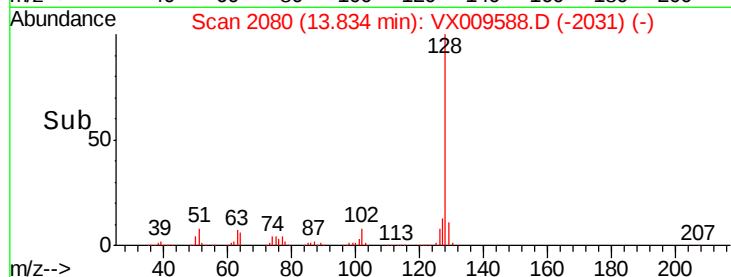
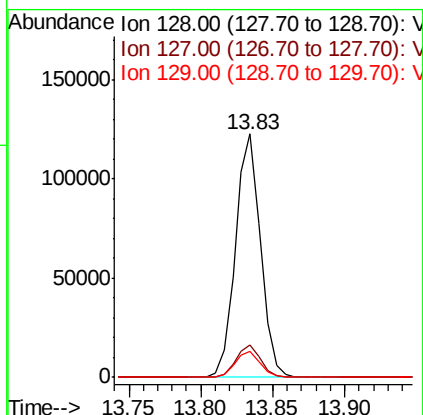
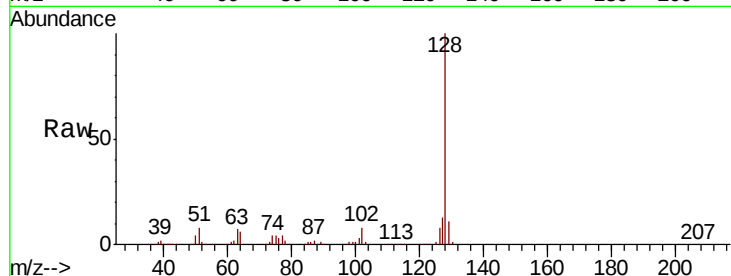




#95
Naphthalene
Concen: 20.436 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 148682
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.555 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009588.D
Acq: 15 May 2019 18:21

Tgt Ion:180 Resp: 46595
Ion Ratio Lower Upper
180 100
182 94.0 47.8 143.4
145 30.5 15.4 46.4

