

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051619\
 Data File : VX009600.D
 Acq On : 16 May 2019 12:27
 Operator : JC/SP
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Quant Time: May 17 06:37:02 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	165015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	260134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108490	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.50	113	80741	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	8.71	98	315891	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.13	95	116252	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25561	16.809	ug/l	97
3) Chloromethane	1.32	50	39778	19.160	ug/l	99
4) Vinyl Chloride	1.41	62	39474	19.499	ug/l	94
5) Bromomethane	1.64	94	24861	20.460	ug/l	98
6) Chloroethane	1.72	64	24921	19.174	ug/l	99
7) Trichlorofluoromethane	1.93	101	49039	19.928	ug/l	96
8) Diethyl Ether	2.19	74	22944	19.684	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30119	19.491	ug/l	99
10) Methyl Iodide	2.51	142	33597	21.587	ug/l	100
11) Tert butyl alcohol	3.04	59	52942	101.532	ug/l	98
12) 1,1-Dichloroethene	2.37	96	30558	19.736	ug/l	96
13) Acrolein	2.29	56	28330	59.992	ug/l	98
14) Allyl chloride	2.73	41	74352	19.705	ug/l	98
15) Acrylonitrile	3.14	53	131027	102.771	ug/l	99
16) Acetone	2.45	43	121641	100.564	ug/l	99
17) Carbon Disulfide	2.57	76	80053	18.416	ug/l	98
18) Methyl Acetate	2.78	43	59544	20.699	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	120849	20.100	ug/l	98
20) Methylene Chloride	2.85	84	37312	19.051	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	33000	19.653	ug/l	97
22) Diisopropyl ether	3.85	45	147088	20.270	ug/l	93
23) Vinyl Acetate	3.82	43	650321	104.658	ug/l	100
24) 1,1-Dichloroethane	3.70	63	71070	19.854	ug/l	98
25) 2-Butanone	4.67	43	197117	104.868	ug/l	99
26) 2,2-Dichloropropane	4.59	77	50920	19.111	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	39485	19.701	ug/l	99
28) Bromochloromethane	5.01	49	27162	17.043	ug/l	99
29) Tetrahydrofuran	5.13	42	127626	105.515	ug/l	99
30) Chloroform	5.21	83	66616	20.576	ug/l	100
31) Cyclohexane	5.58	56	65553	19.683	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	53880	19.992	ug/l	98
36) 1,1-Dichloropropene	5.80	75	48526	20.073	ug/l	99
37) Ethyl Acetate	4.84	43	72584	21.550	ug/l	99
38) Carbon Tetrachloride	5.78	117	44090	20.074	ug/l	96

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 Data File : VX009600.D
 Acq On : 16 May 2019 12:27
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 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Quant Time: May 17 06:37:02 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	59103	19.908	ug/l	99
40) Benzene	6.15	78	152640	20.402	ug/l	96
41) Methacrylonitrile	5.04	41	40814	20.356	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56587	21.085	ug/l	99
43) Isopropyl Acetate	6.45	43	111293	20.657	ug/l	100
44) Trichloroethene	7.21	130	36173	19.999	ug/l	100
45) 1,2-Dichloropropane	7.51	63	44102	20.818	ug/l	100
46) Dibromomethane	7.66	93	25035	20.350	ug/l	99
47) Bromodichloromethane	7.90	83	49910	20.338	ug/l	96
48) Methyl methacrylate	7.77	41	56241	21.041	ug/l	98
49) 1,4-Dioxane	7.74	88	22403	413.284	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	377679	107.249	ug/l	100
52) Toluene	8.79	92	93109	20.473	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	55495	20.030	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61999	20.218	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	38740	20.880	ug/l	98
56) Ethyl methacrylate	9.18	69	67770	20.462	ug/l	99
57) 1,3-Dichloropropane	9.37	76	67439	20.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	159270	90.648	ug/l	99
59) 2-Hexanone	9.49	43	295641	106.894	ug/l	98
60) Dibromochloromethane	9.58	129	37112	20.480	ug/l	99
61) 1,2-Dibromoethane	9.67	107	38565	20.591	ug/l	100
64) Tetrachloroethene	9.34	164	33099	20.532	ug/l	98
65) Chlorobenzene	10.14	112	95770	20.371	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	34248	20.093	ug/l	98
67) Ethyl Benzene	10.25	91	177248	20.486	ug/l	98
68) m/p-Xylenes	10.36	106	129141	40.844	ug/l	98
69) o-Xylene	10.70	106	64056	20.533	ug/l	100
70) Styrene	10.71	104	109551	20.205	ug/l	99
71) Bromoform	10.85	173	27283	19.697	ug/l #	100
73) Isopropylbenzene	11.02	105	169912	20.163	ug/l	100
74) N-amyl acetate	10.90	43	99013	20.154	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	64361	20.488	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	72444	26.950	ug/l	83
77) Bromobenzene	11.26	156	42241	20.196	ug/l	99
78) n-propylbenzene	11.36	91	194687	20.230	ug/l	100
79) 2-Chlorotoluene	11.42	91	116334	19.593	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	143060	20.162	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19592	18.649	ug/l	89
82) 4-Chlorotoluene	11.51	91	133903	19.963	ug/l	99
83) tert-Butylbenzene	11.77	119	137324	19.895	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	144992	20.358	ug/l	100
85) sec-Butylbenzene	11.94	105	163847	20.022	ug/l	100
86) p-Isopropyltoluene	12.06	119	148514	20.188	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	74152	19.887	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75249	20.018	ug/l	99
89) n-Butylbenzene	12.38	91	132125	19.871	ug/l	99
90) Hexachloroethane	12.60	117	24252	19.350	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	76386	20.114	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15096	21.422	ug/l	95

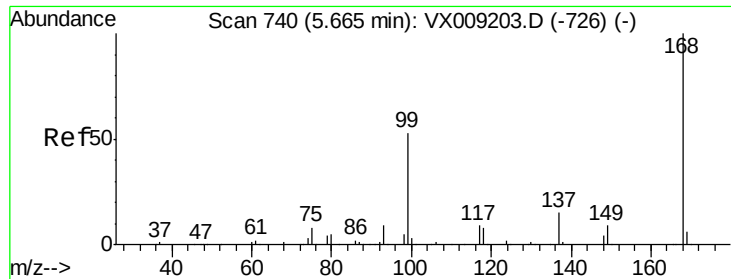
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
Data File : VX009600.D
Acq On : 16 May 2019 12:27
Operator : JC/SP
Sample : VX0516WBS01
Misc : 5.0mL/MSVOA X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Quant Time: May 17 06:37:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51949	20.003	ug/l	98
94) Hexachlorobutadiene	13.78	225	26291	19.824	ug/l	97
95) Naphthalene	13.83	128	172629	20.431	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	54453	20.685	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

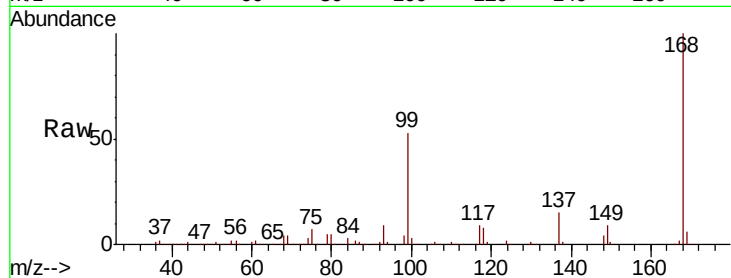
VX0516WBS01

Tot Ion:168 Resp: 165015

Ion Ratio Lower Upper

168 100

99 52.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.67

60000

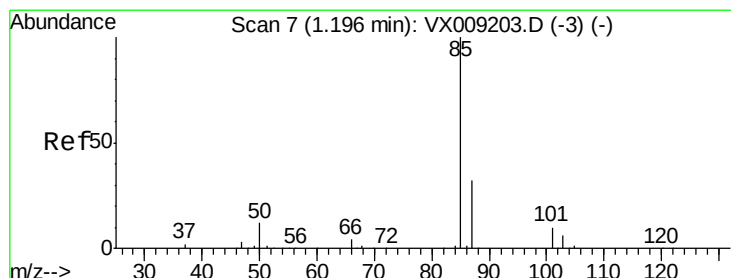
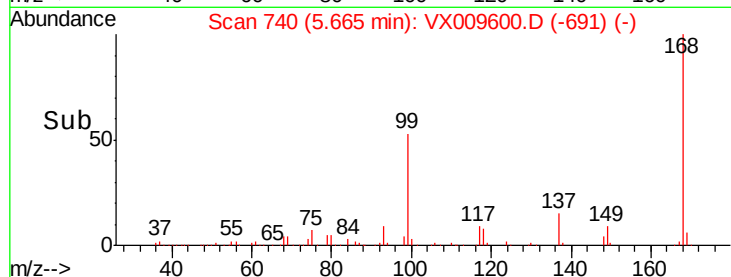
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.809 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009600.D

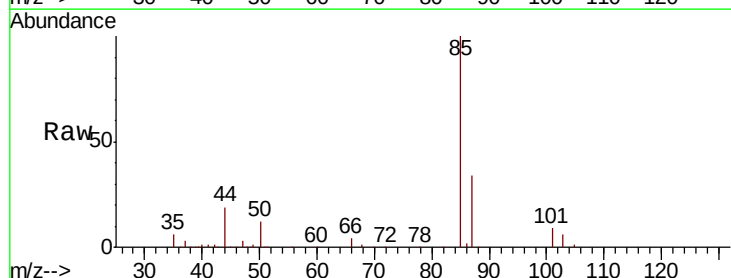
Acq: 16 May 2019 12:27

Tgt Ion: 85 Resp: 25561

Ion Ratio Lower Upper

85 100

87 34.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX009203.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX009203.D (-3) (-)

1.20

25000

20000

15000

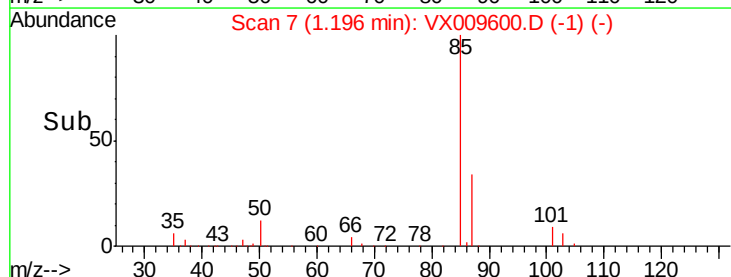
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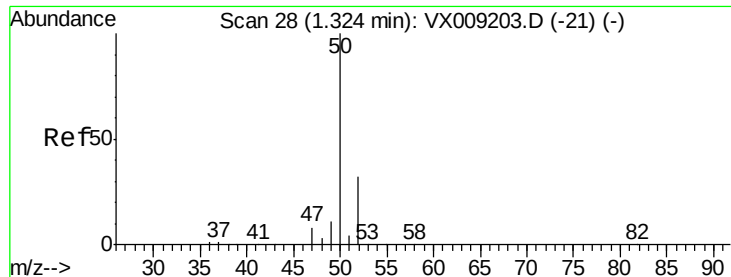
5000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.160 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

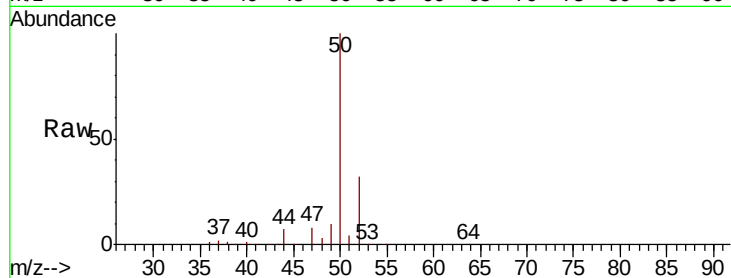
VX0516WBS01

Tot Ion: 50 Resp: 39778

Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

40000

30000

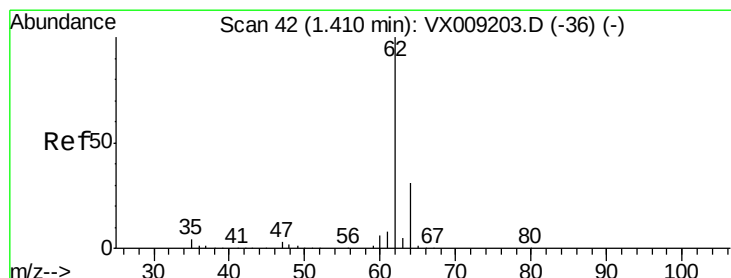
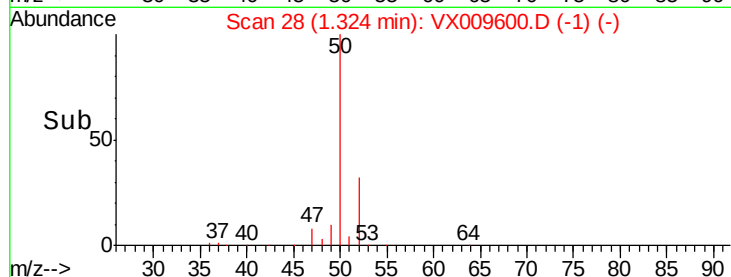
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 19.499 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009600.D

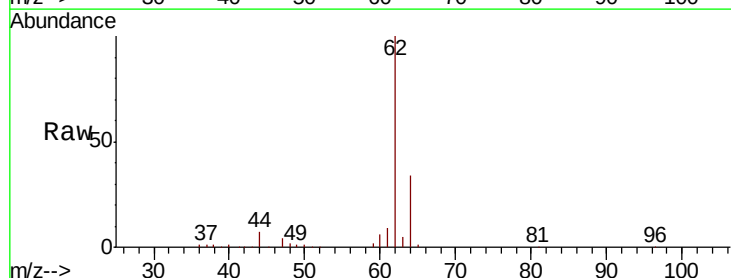
Acq: 16 May 2019 12:27

Tgt Ion: 62 Resp: 39474

Ion Ratio Lower Upper

62 100

64 34.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

40000

30000

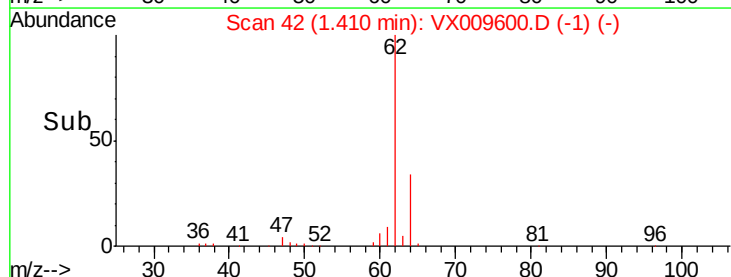
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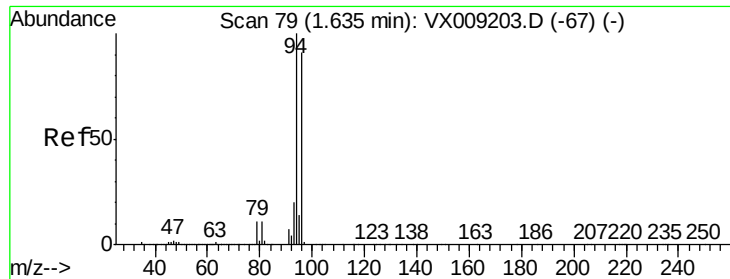
10000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 20.460 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

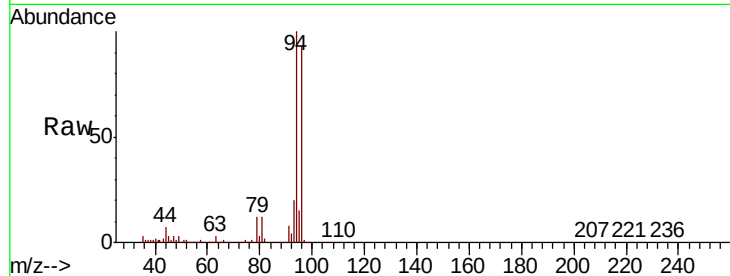
VX0516WBS01

Tot Ion: 94 Resp: 24861

Ion Ratio Lower Upper

94 100

96 93.1 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

25000

20000

15000

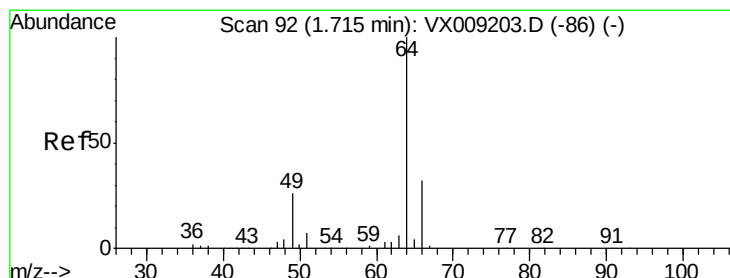
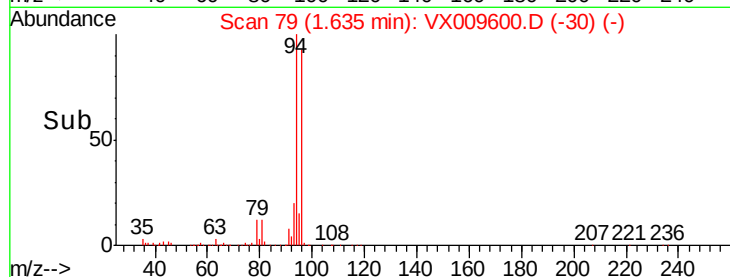
10000

5000

0

1.55 1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 19.174 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009600.D

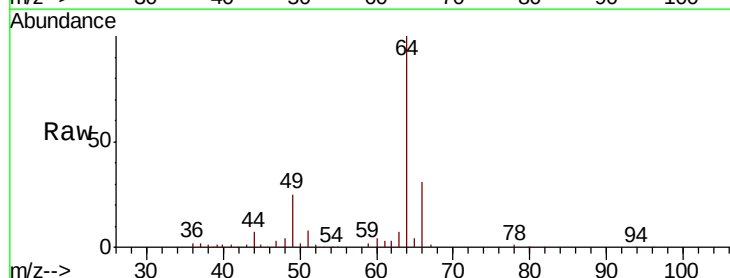
Acq: 16 May 2019 12:27

Tgt Ion: 64 Resp: 24921

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

20000

15000

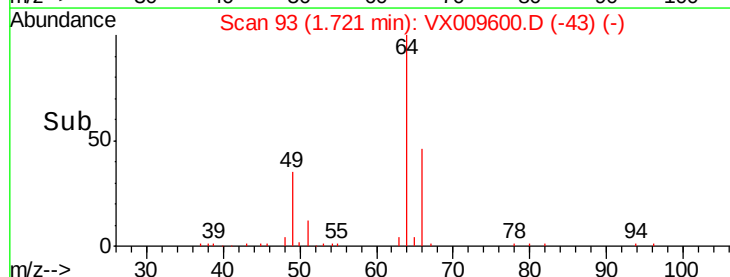
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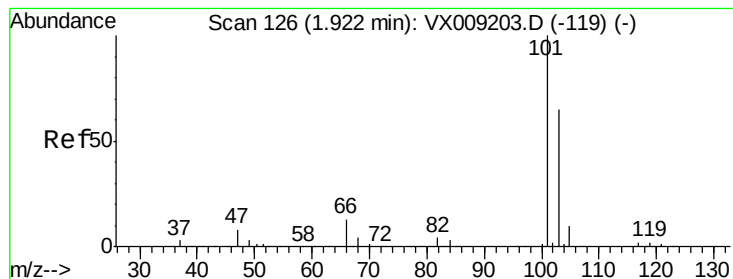
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0

1.65 1.70 1.75 1.80

Time-->



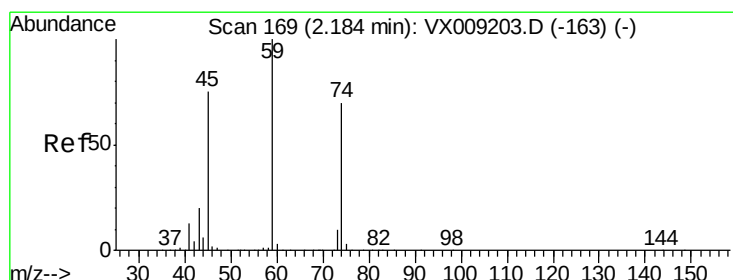
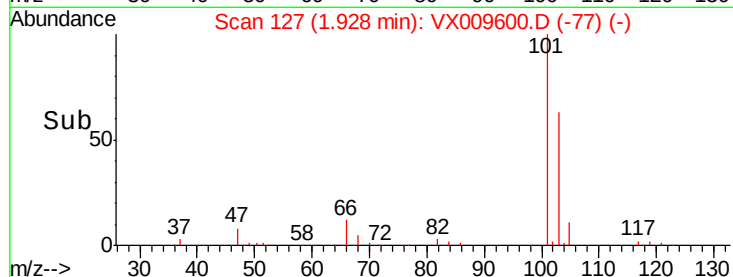
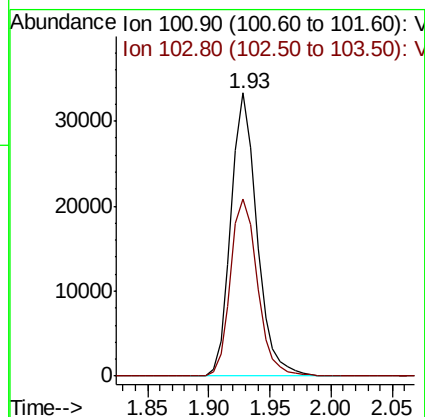
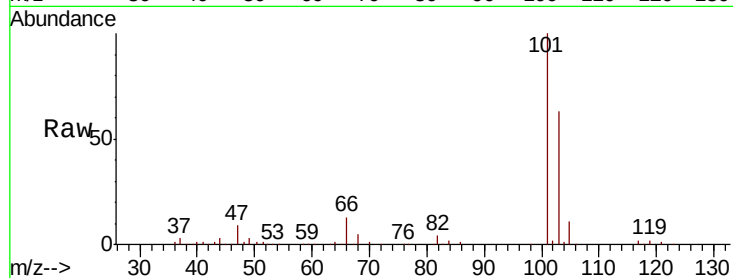


#7

Trichlorofluoromethane
Concen: 19.928 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

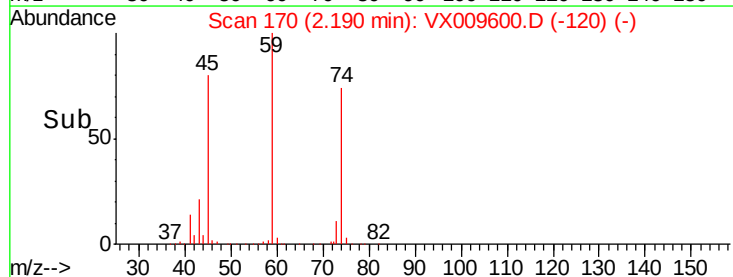
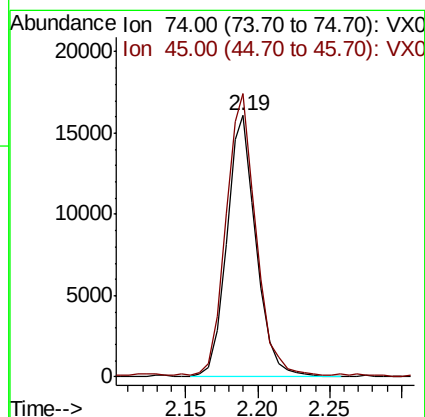
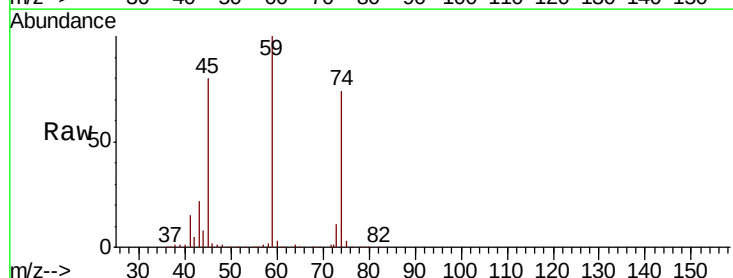
Tot Ion:101 Resp: 49039
Ion Ratio Lower Upper
101 100
103 62.7 52.4 78.6

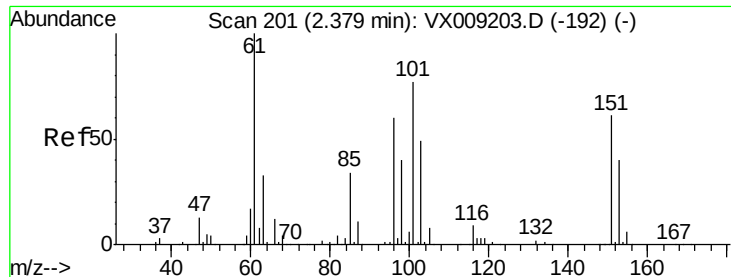


#8

Diethyl Ether
Concen: 19.684 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 74 Resp: 22944
Ion Ratio Lower Upper
74 100
45 109.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.491 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

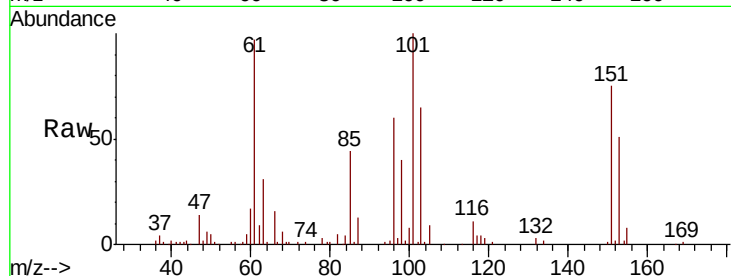
Tot Ion:101 Resp: 30119

Ion Ratio Lower Upper

101 100

85 44.2 35.7 53.5

151 78.4 62.2 93.2

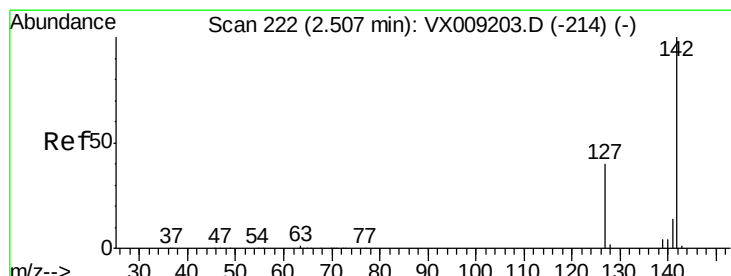
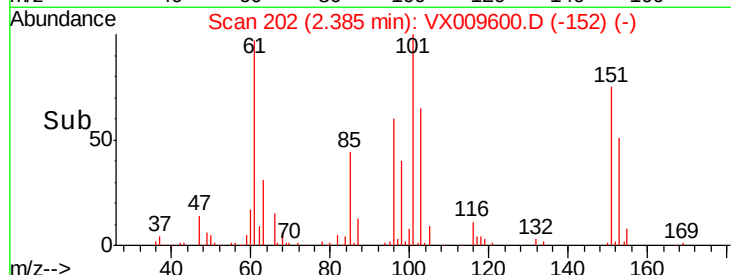
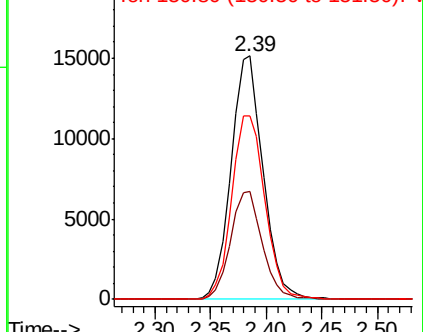


Abundance

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: 21.587 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

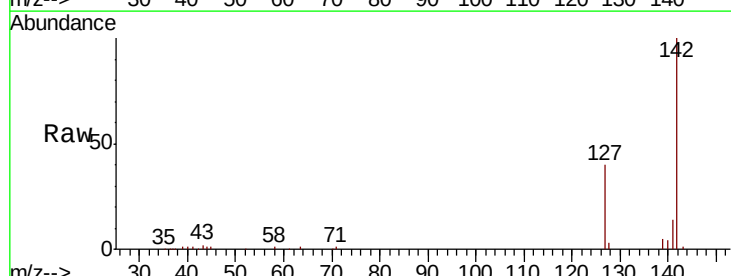
Tgt Ion:142 Resp: 33597

Ion Ratio Lower Upper

142 100

127 41.0 32.7 49.1

141 14.6 11.5 17.3

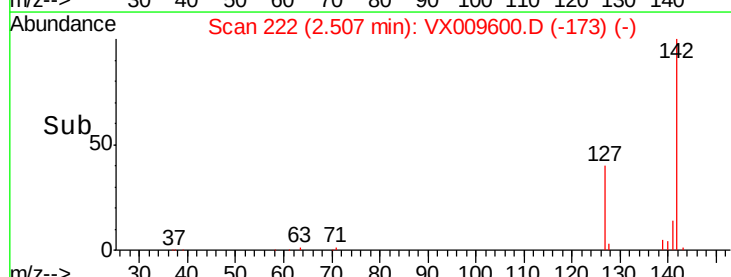
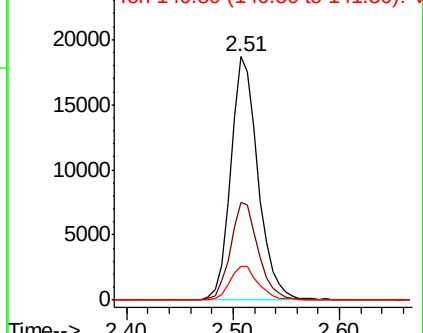


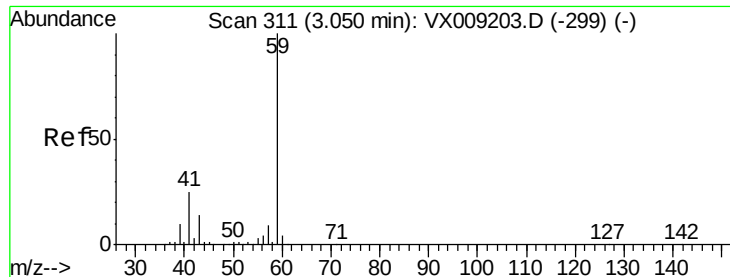
Abundance

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

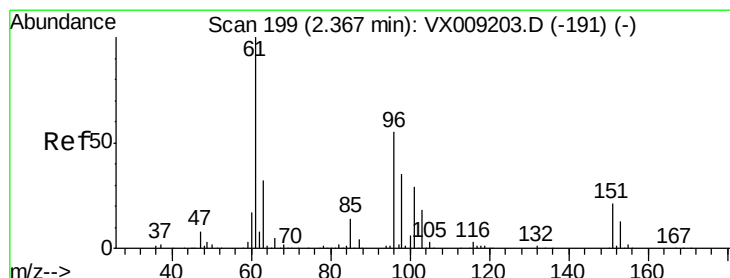
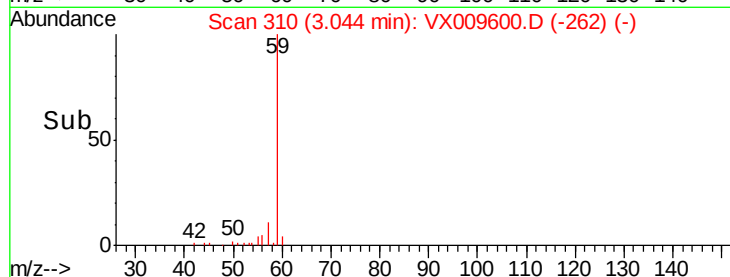
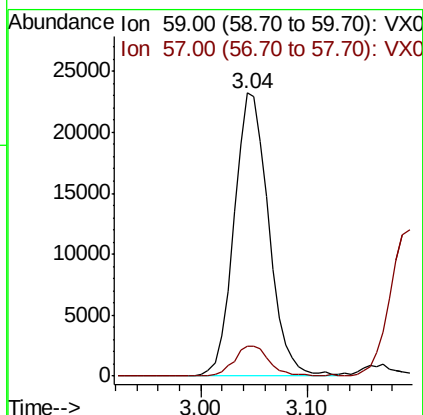
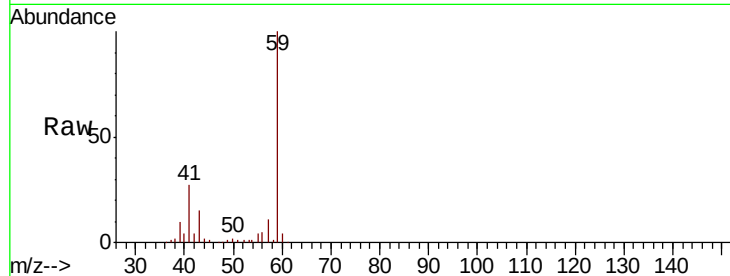




#11
Tert butyl alcohol
Concen: 101.532 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

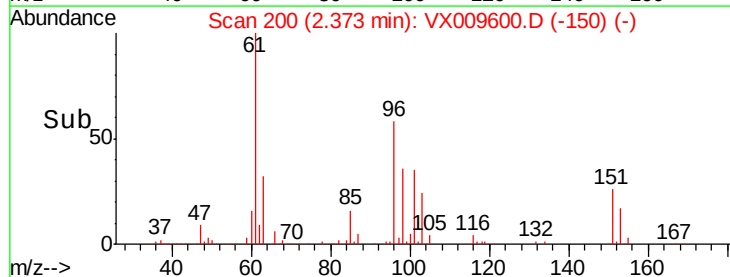
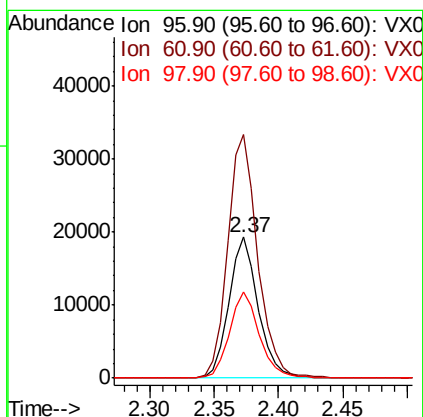
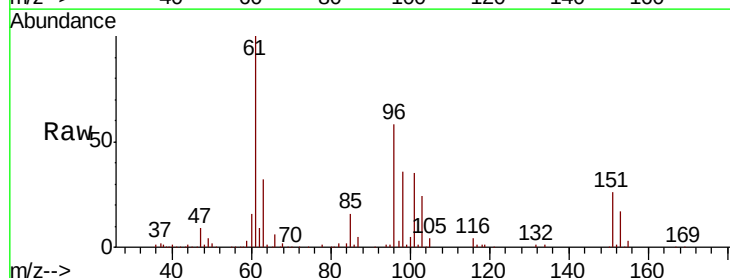
Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

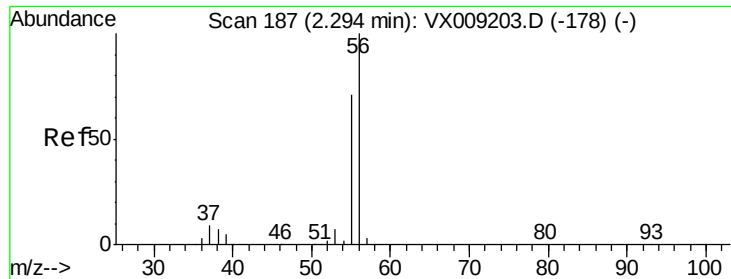
Tot Ion: 59 Resp: 52942
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.736 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 96 Resp: 30558
Ion Ratio Lower Upper
96 100
61 172.9 144.3 216.5
98 61.7 50.3 75.5





#13

Acrolein

Concen: 59.992 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

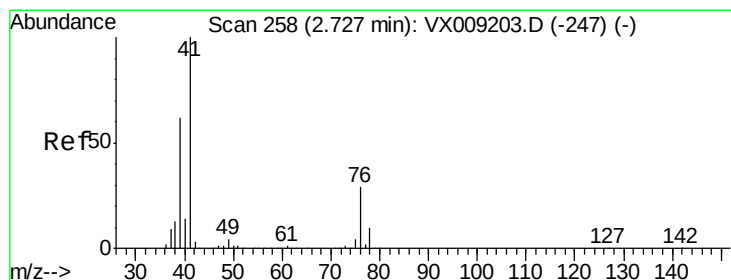
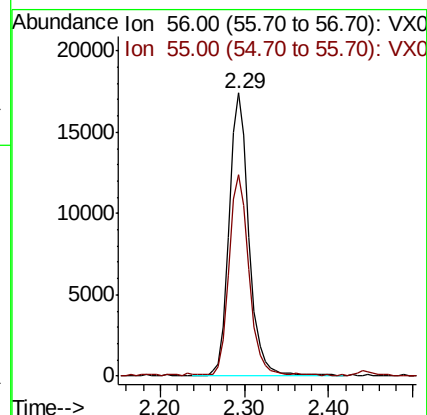
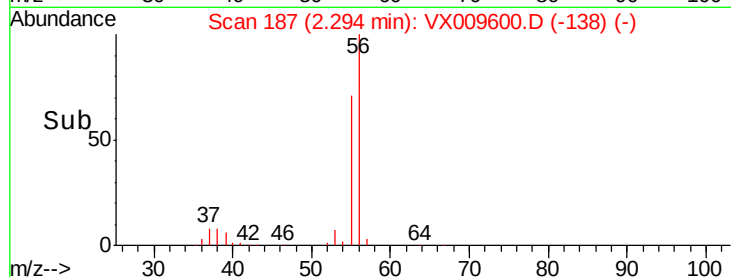
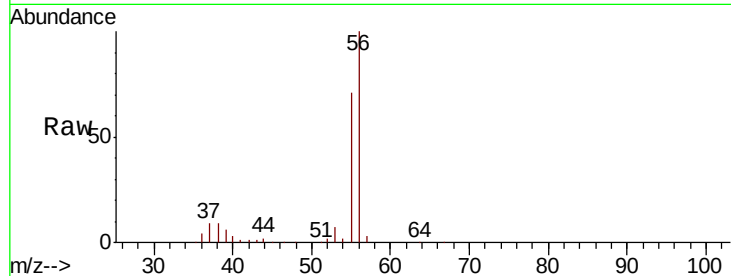
VX0516WBS01

Tot Ion: 56 Resp: 28330

Ion Ratio Lower Upper

56 100

55 69.4 56.6 85.0



#14

Allyl chloride

Concen: 19.705 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

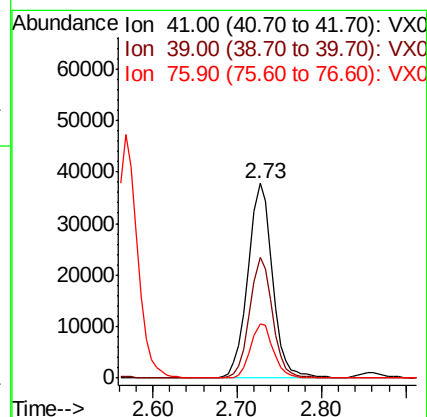
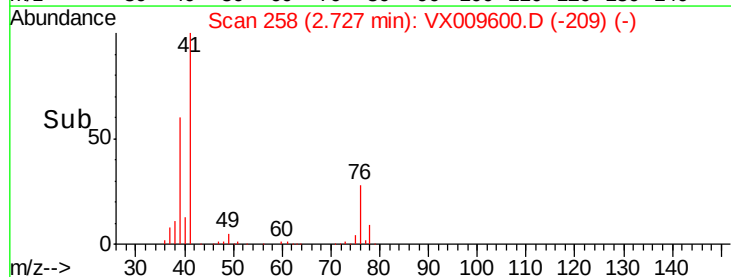
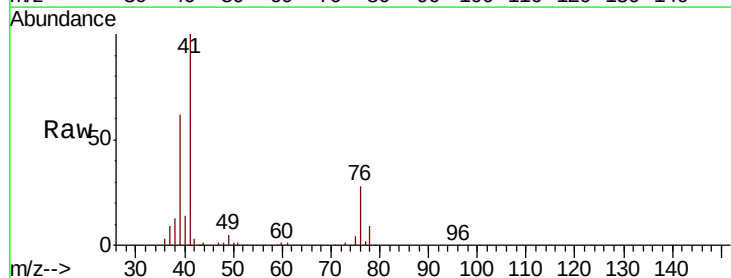
Tgt Ion: 41 Resp: 74352

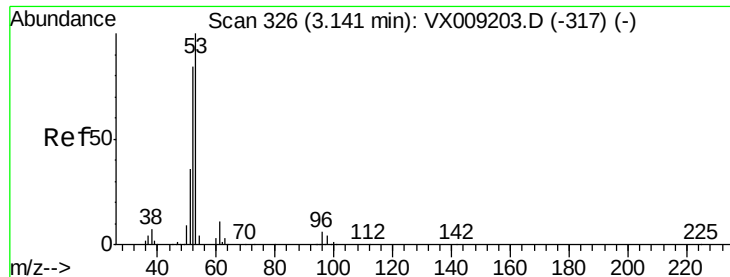
Ion Ratio Lower Upper

41 100

39 56.8 46.7 70.1

76 25.8 21.8 32.8





#15

Acrylonitrile

Concen: 102.771 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

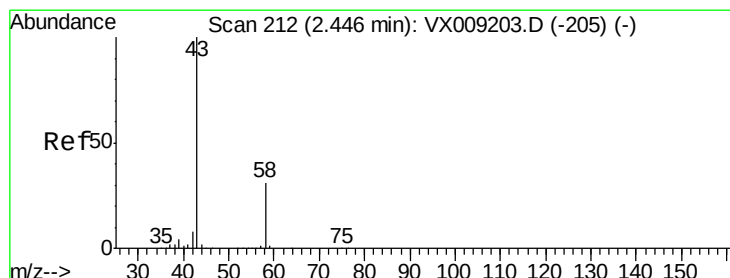
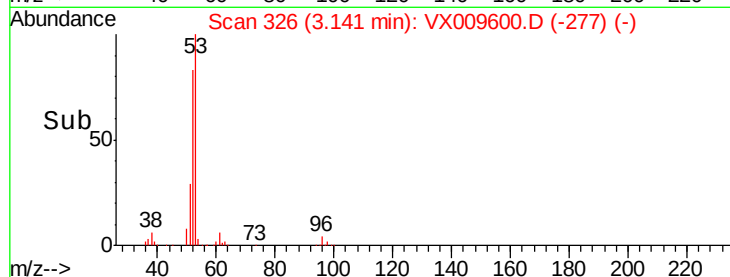
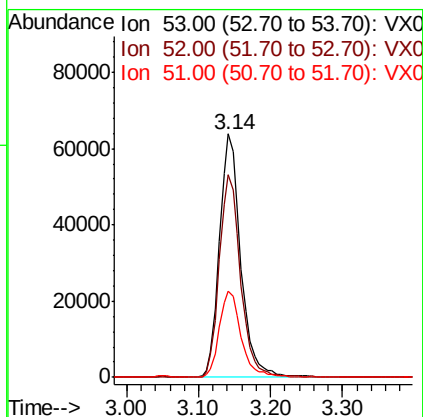
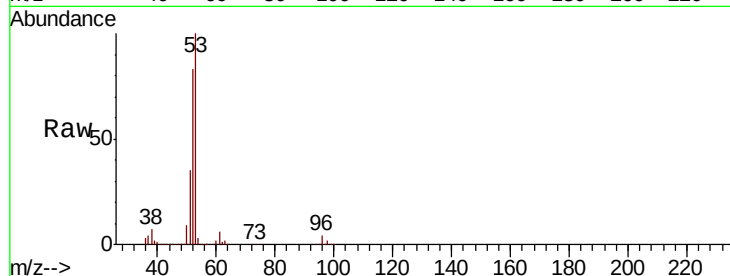
Tot Ion: 53 Resp: 131027

Ion Ratio Lower Upper

53 100

52 83.3 66.9 100.3

51 36.5 28.2 42.2



#16

Acetone

Concen: 100.564 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009600.D

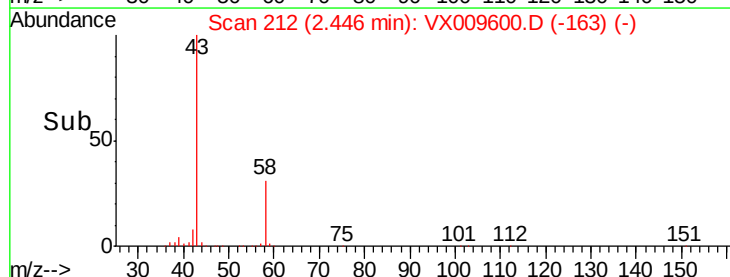
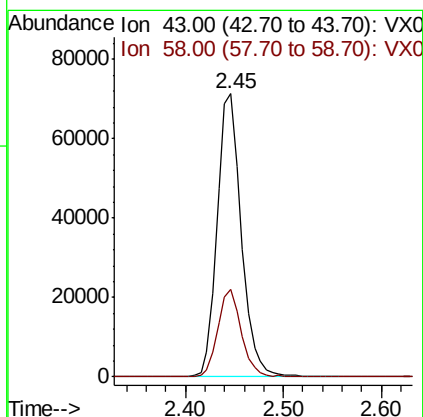
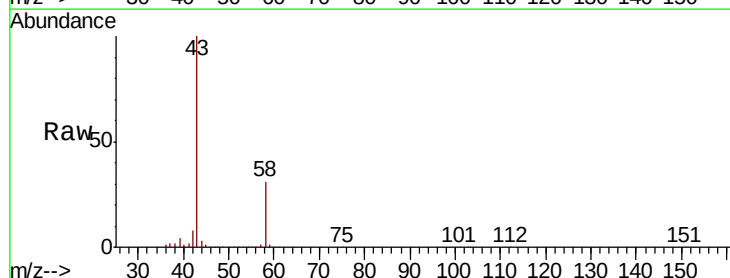
Acq: 16 May 2019 12:27

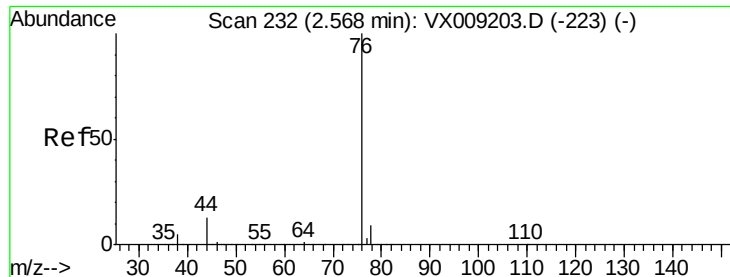
Tgt Ion: 43 Resp: 121641

Ion Ratio Lower Upper

43 100

58 30.7 24.9 37.3





#17

Carbon Disulfide

Concen: 18.416 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

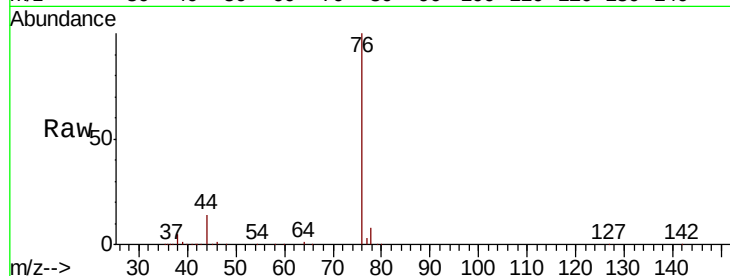
VX0516WBS01

Tot Ion: 76 Resp: 80053

Ion Ratio Lower Upper

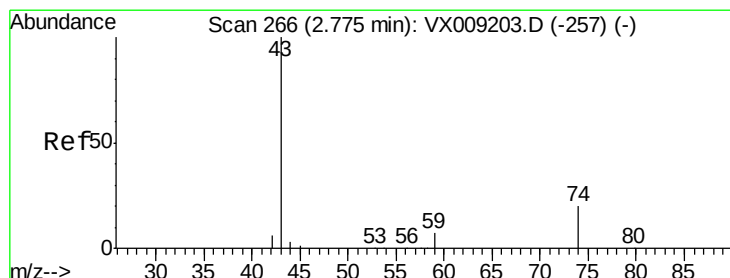
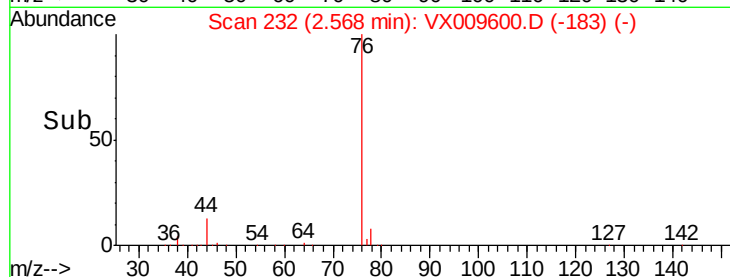
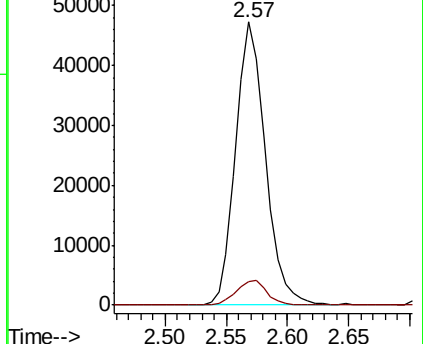
76 100

78 8.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.699 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009600.D

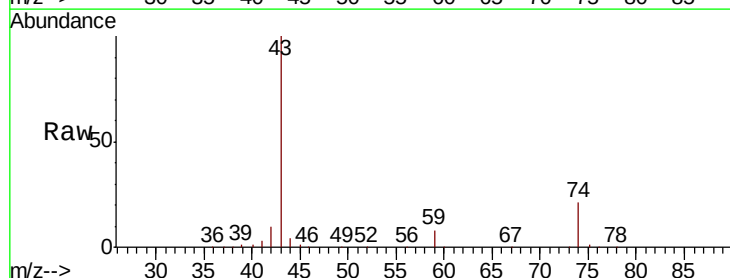
Acq: 16 May 2019 12:27

Tgt Ion: 43 Resp: 59544

Ion Ratio Lower Upper

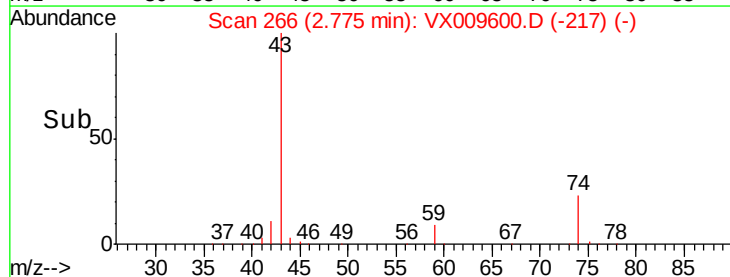
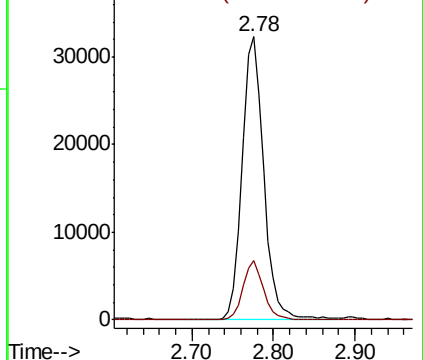
43 100

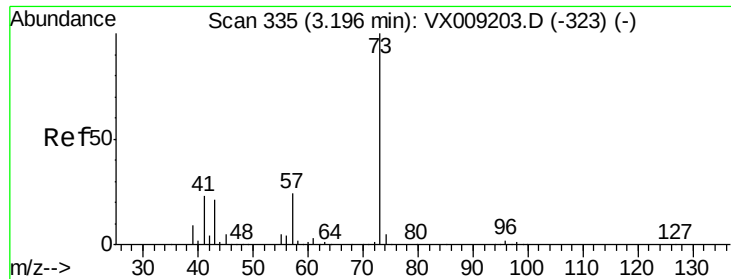
74 19.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

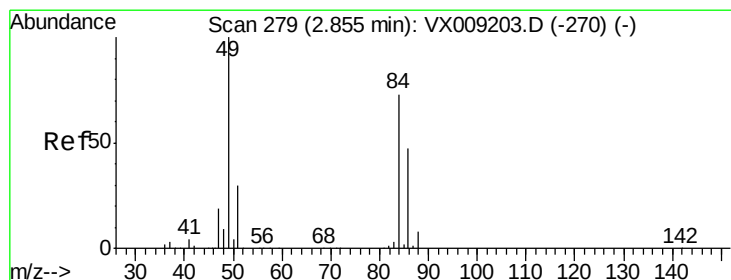
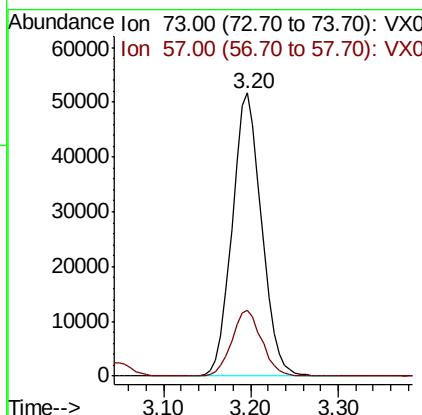
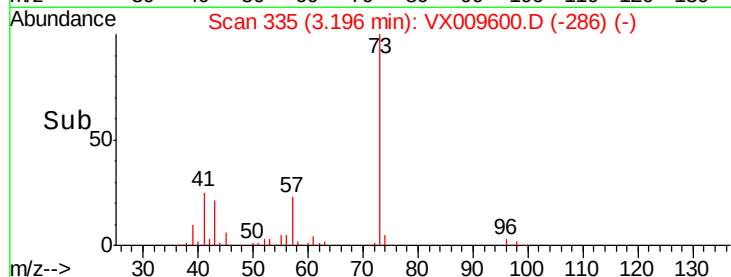
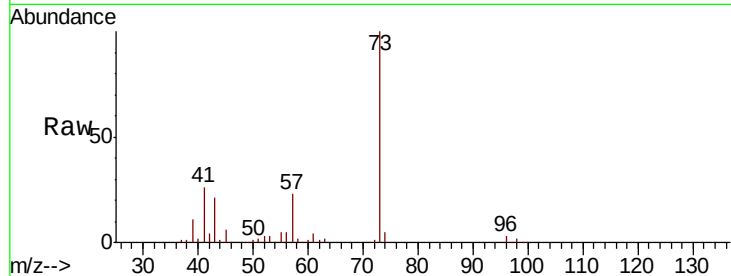




#19
Methvl tert-butvl Ether
Concen: 20.100 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

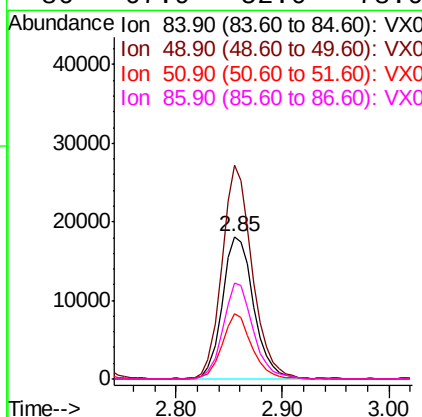
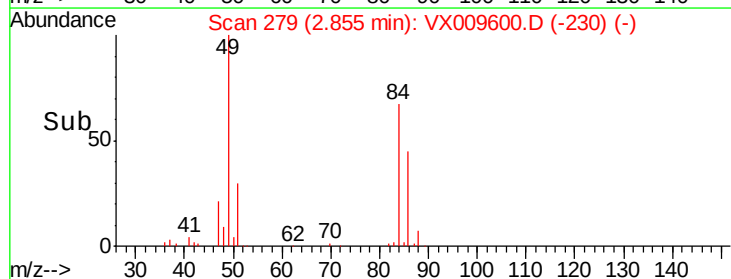
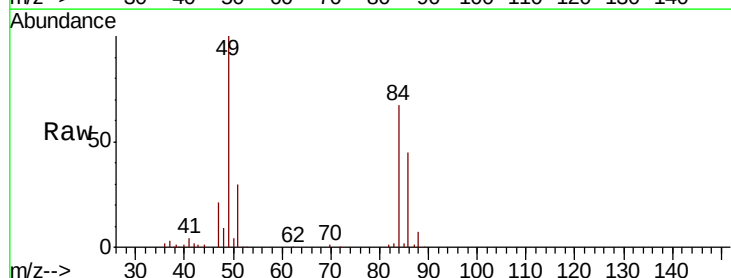
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

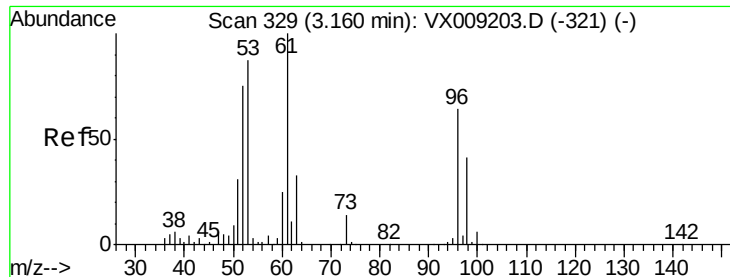
Tot Ion: 73 Resp: 120849
Ion Ratio Lower Upper
73 100
57 23.3 19.3 28.9



#20
Methylene Chloride
Concen: 19.051 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 84 Resp: 37312
Ion Ratio Lower Upper
84 100
49 149.7 109.9 164.9
51 45.5 32.7 49.1
86 67.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.653 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

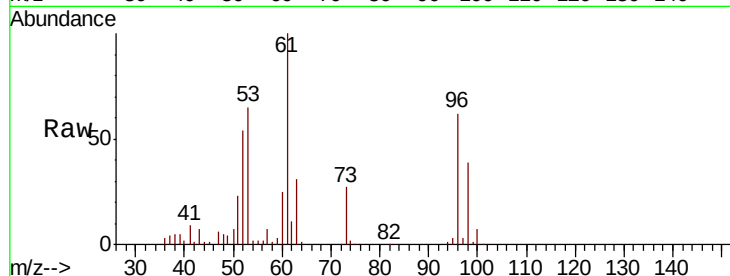
Tot Ion: 96 Resp: 33000

Ion Ratio Lower Upper

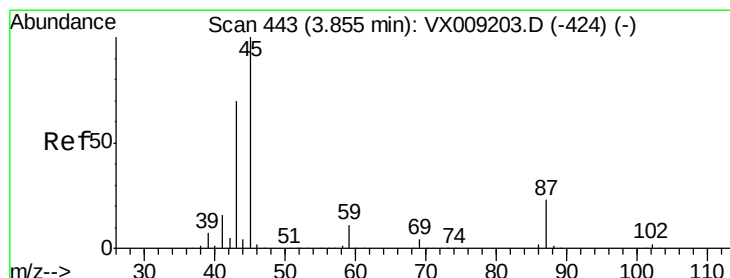
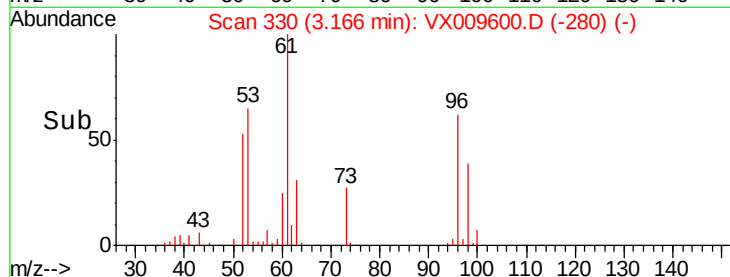
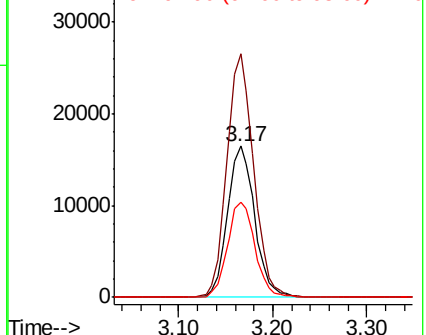
96 100

61 160.9 124.5 186.7

98 62.9 50.4 75.6



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



#22

Diisopropyl ether

Concen: 20.270 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion: 45 Resp: 147088

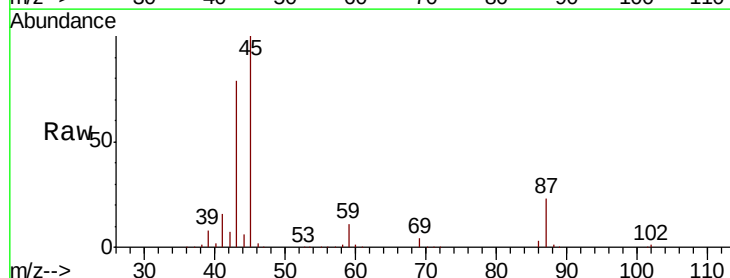
Ion Ratio Lower Upper

45 100

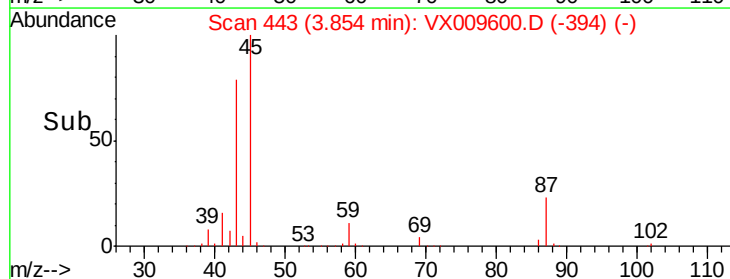
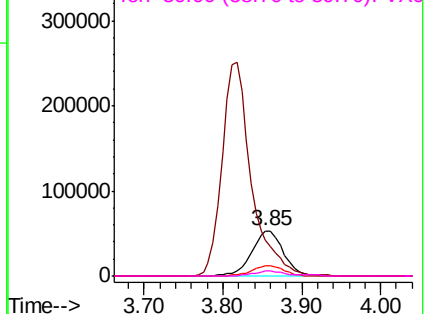
43 78.5 56.1 84.1

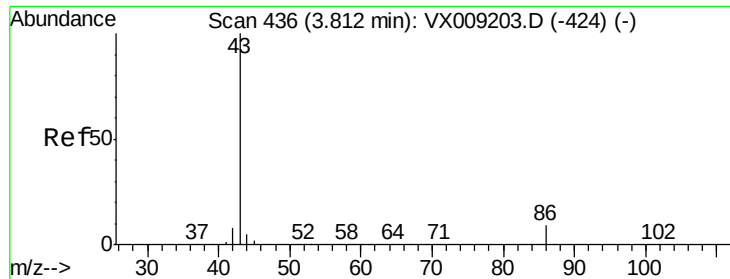
87 22.6 18.1 27.1

59 11.3 8.5 12.7



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





#23

Vinyl Acetate

Concen: 104.658 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

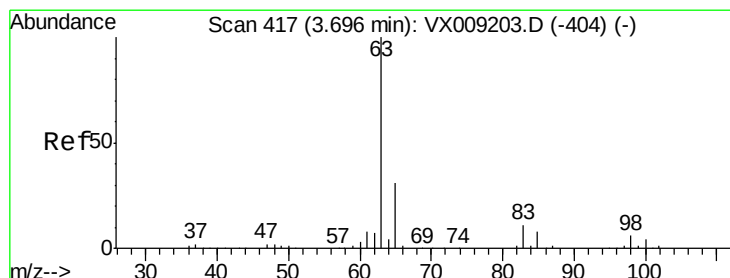
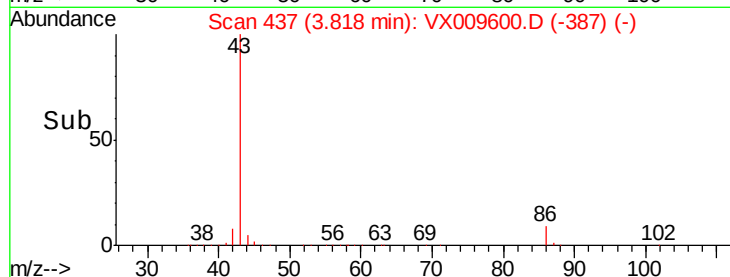
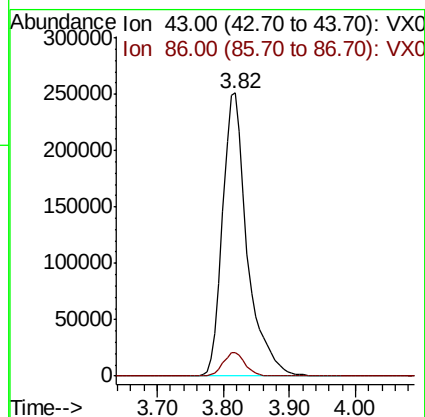
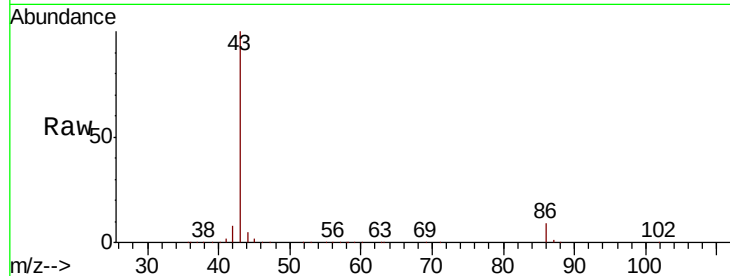
VX0516WBS01

Tot Ion: 43 Resp: 650321

Ion Ratio Lower Upper

43 100

86 8.5 6.9 10.3



#24

1,1-Dichloroethane

Concen: 19.854 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

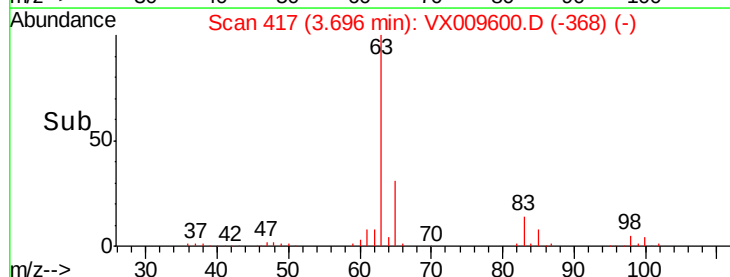
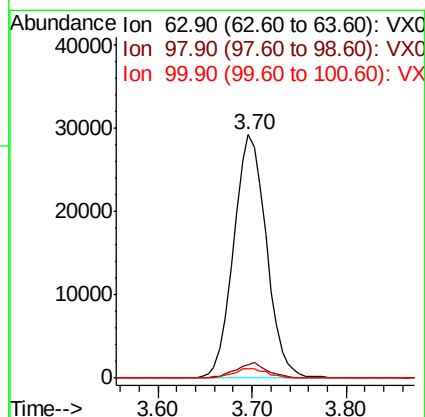
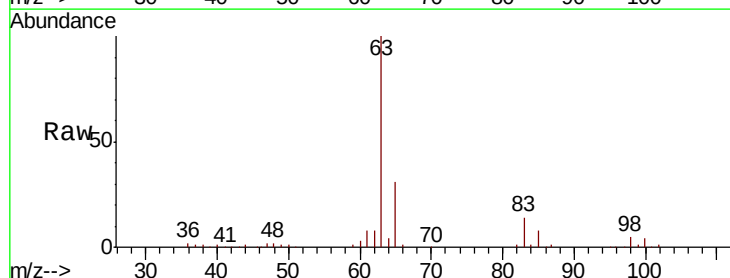
Tgt Ion: 63 Resp: 71070

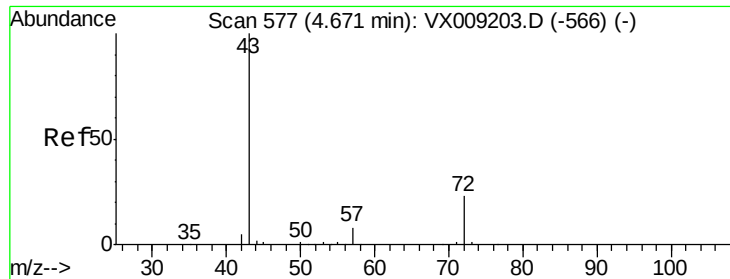
Ion Ratio Lower Upper

63 100

98 5.2 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 104.868 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

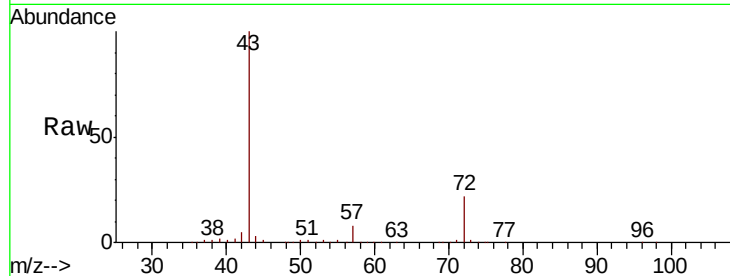
VX0516WBS01

Tot Ion: 43 Resp: 197117

Ion Ratio Lower Upper

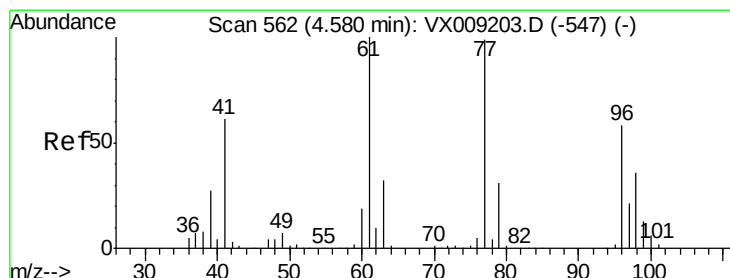
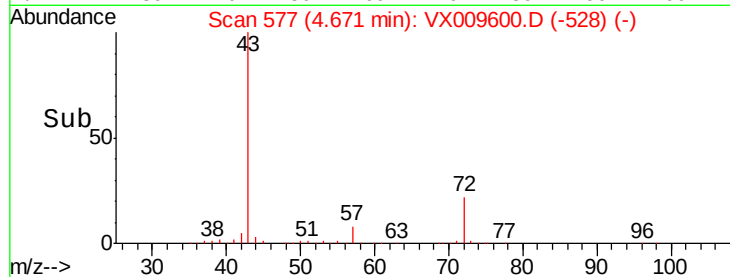
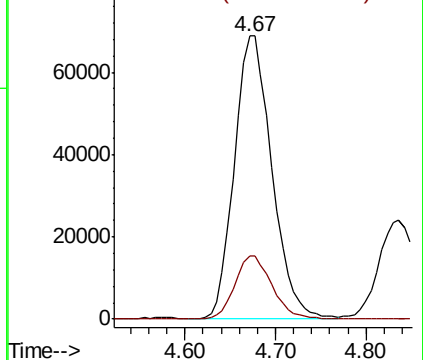
43 100

72 22.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.111 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009600.D

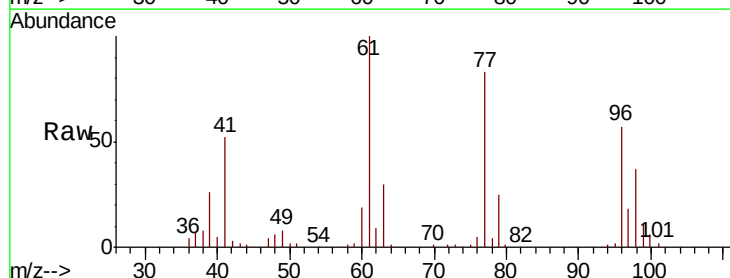
Acq: 16 May 2019 12:27

Tgt Ion: 77 Resp: 50920

Ion Ratio Lower Upper

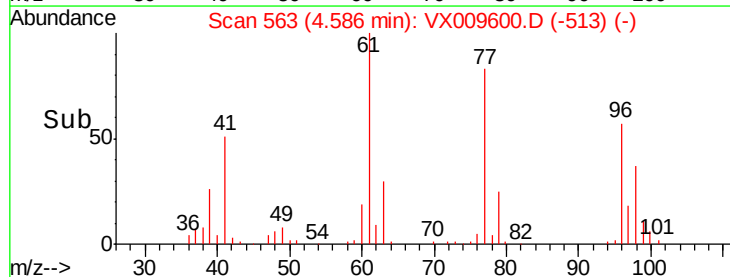
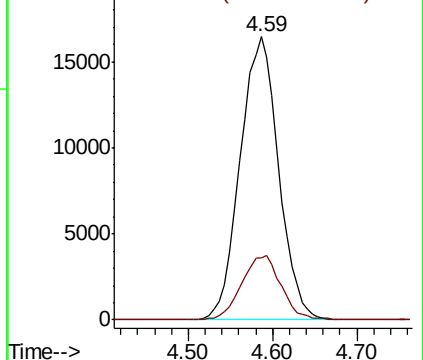
77 100

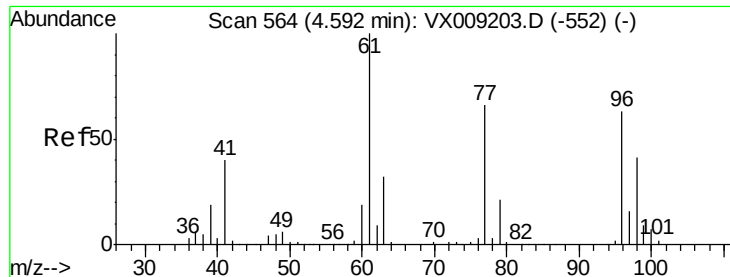
97 23.2 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



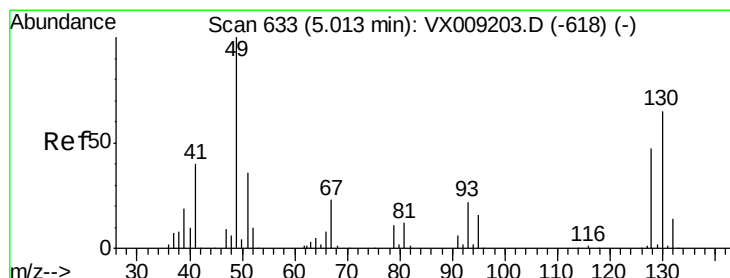
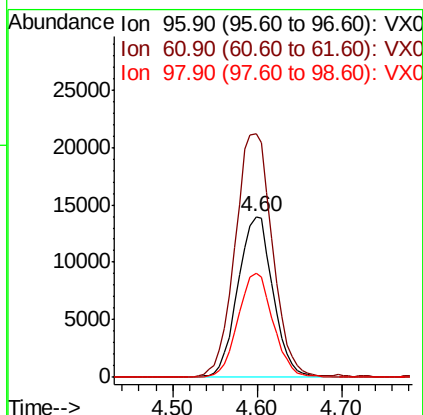
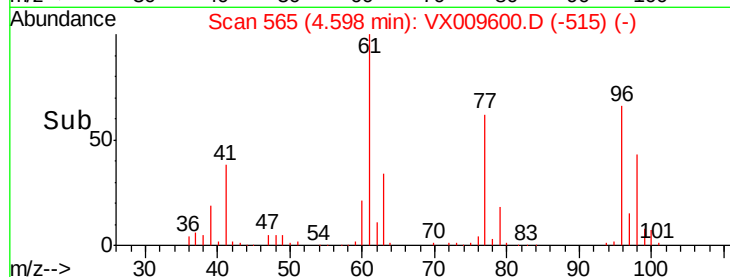
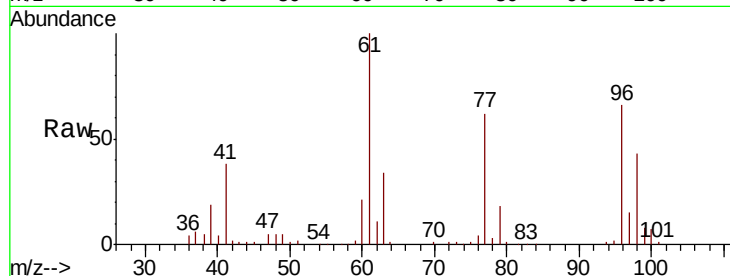


#27

cis-1,2-Dichloroethene
 Concen: 19.701 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampled :
 VX0516WBS01

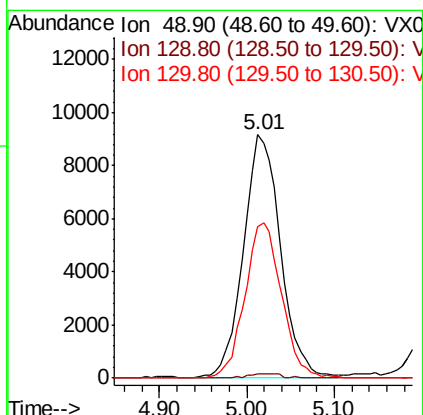
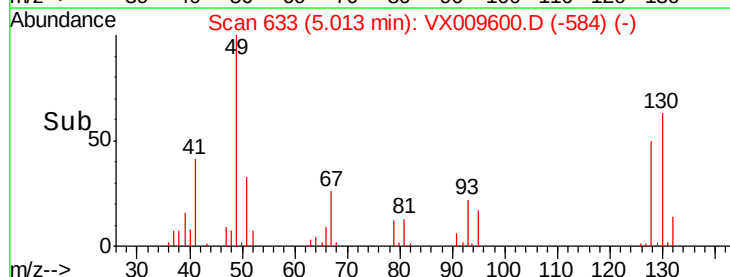
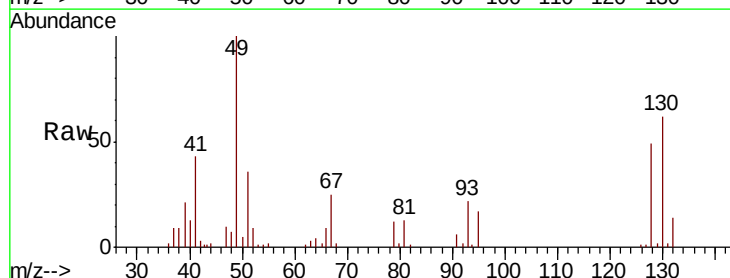
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.1	0.0	324.0
98	64.7	0.0	130.4

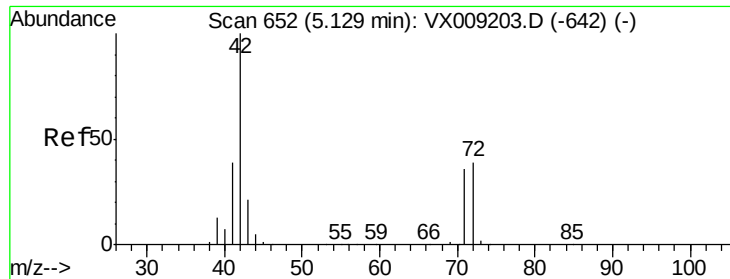


#28

Bromochloromethane
 Concen: 17.043 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	62.9	51.2	76.8

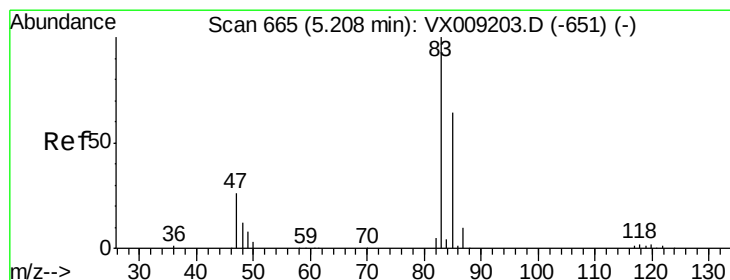
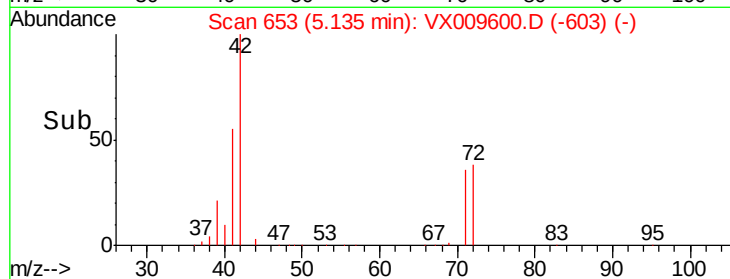
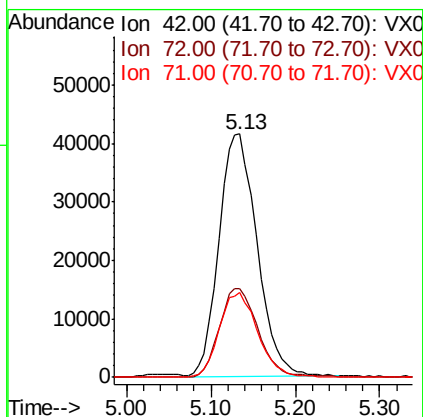
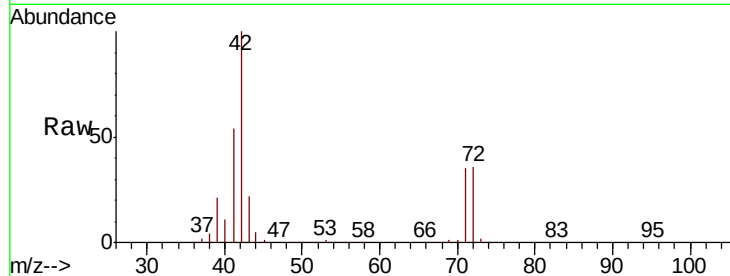




#29
Tetrahydrofuran
Concen: 105.515 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

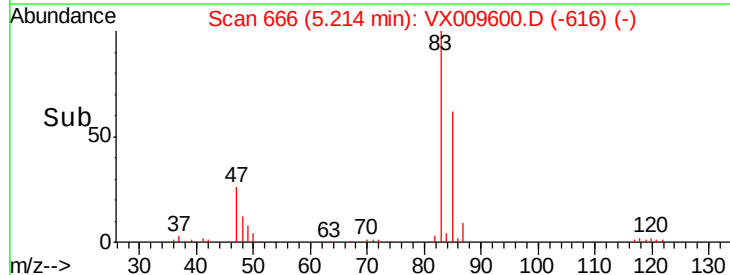
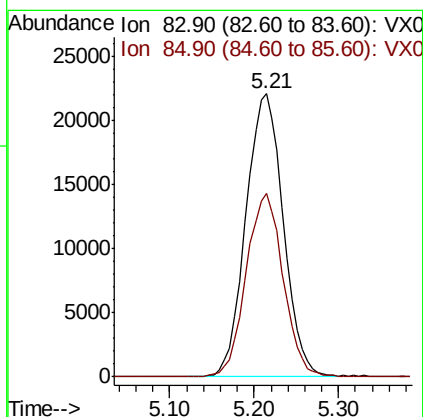
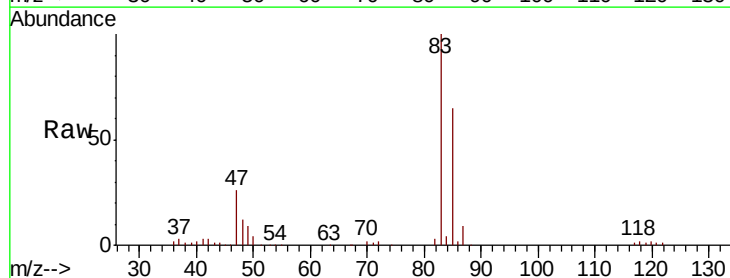
Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

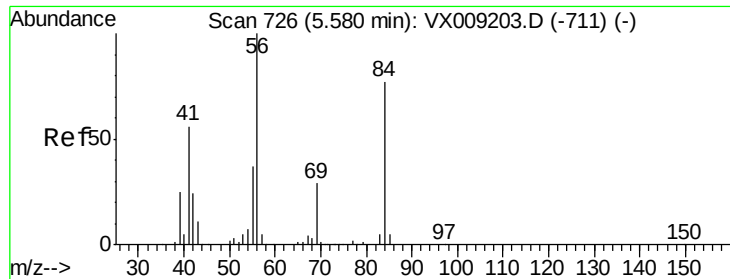
Tot Ion: 42 Resp: 127626
Ion Ratio Lower Upper
42 100
72 37.6 30.4 45.6
71 35.4 28.6 43.0



#30
Chloroform
Concen: 20.576 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 83 Resp: 66616
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3

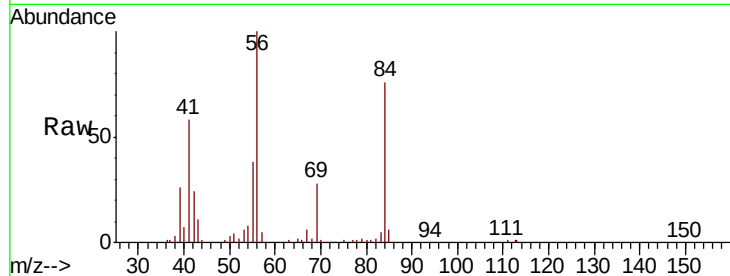




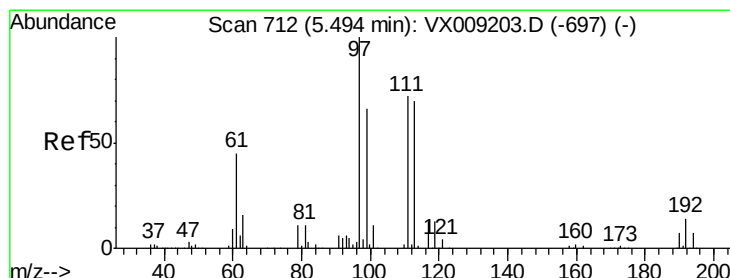
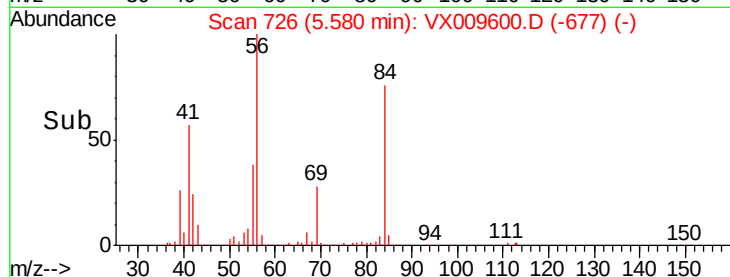
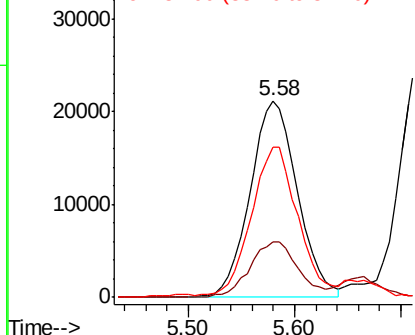
#31
Cyclohexane
Concen: 19.683 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.4	35.0
84	74.6	61.9	92.9

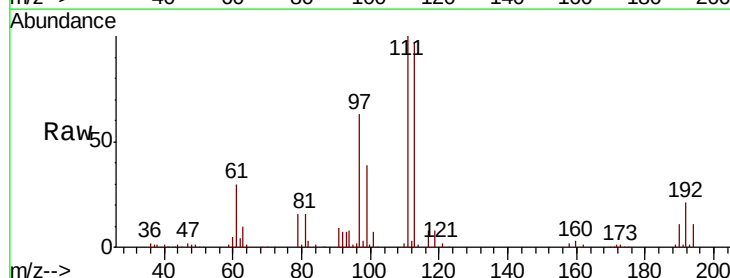


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

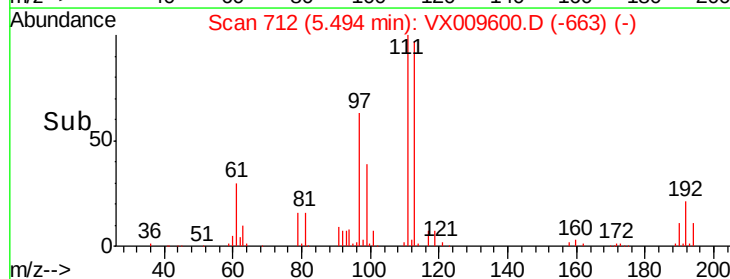
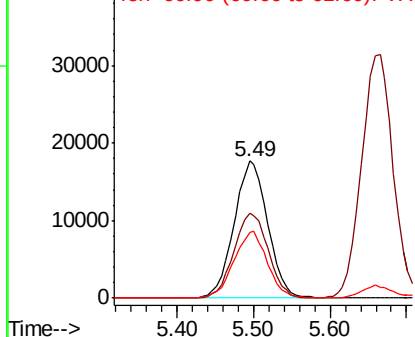


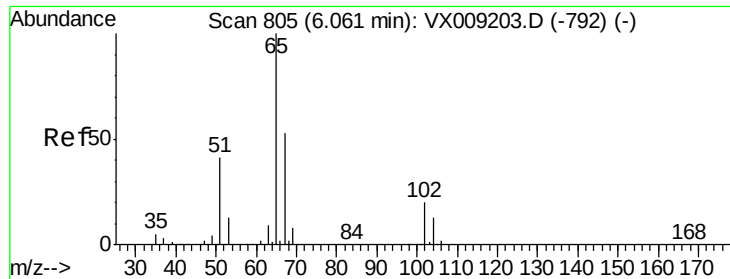
#32
1,1,1-Trichloroethane
Concen: 19.992 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.8
61	48.7	37.8	56.8



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

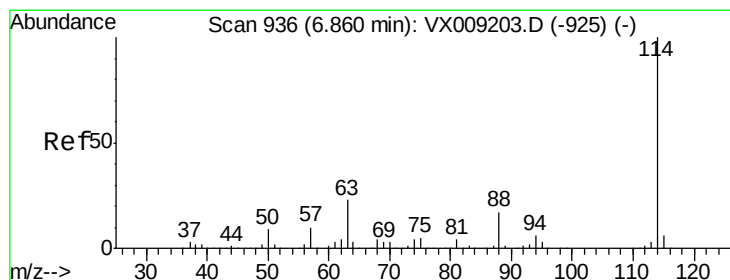
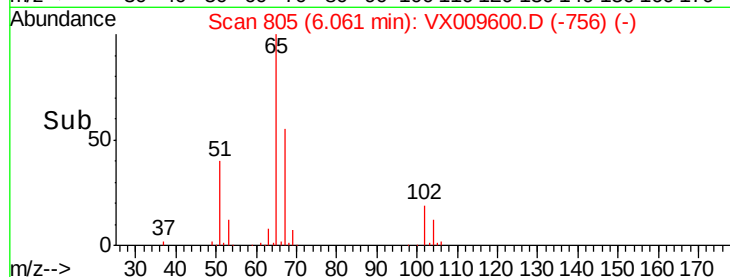
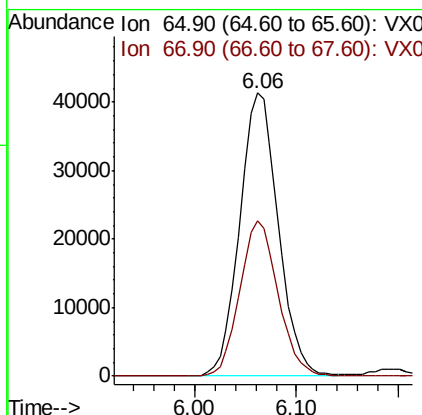
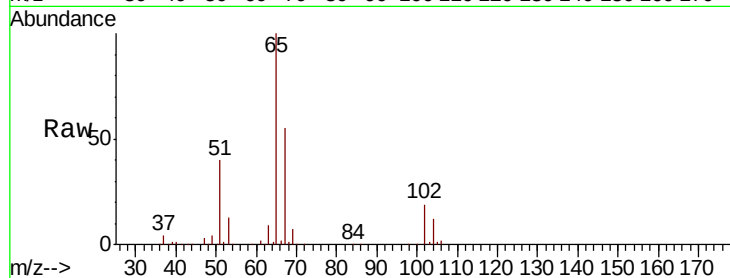




#33
 1,2-Dichloroethane-d4
 Concen: 48.161 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

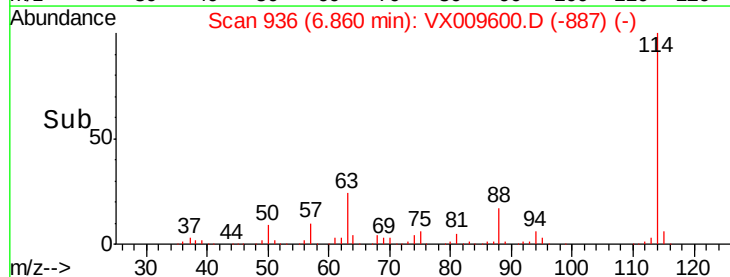
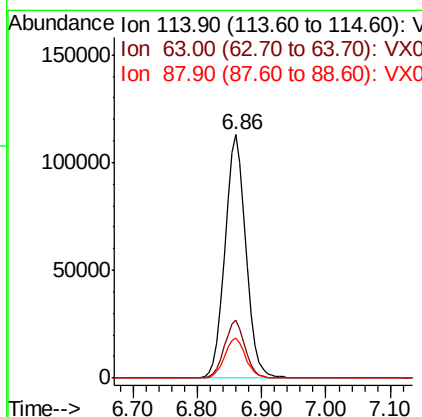
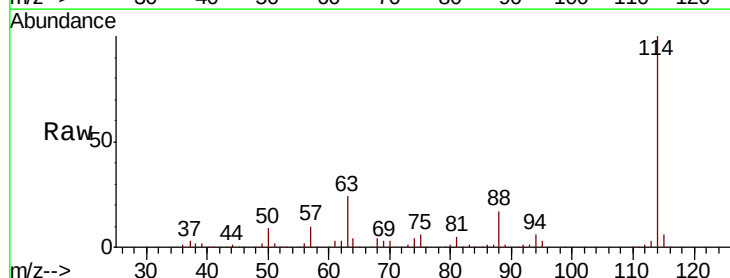
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

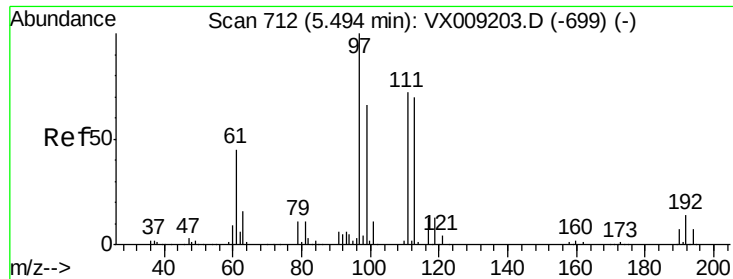
Tot Ion: 65 Resp: 108490
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion: 114 Resp: 260134
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.6
 88 16.5 0.0 33.2

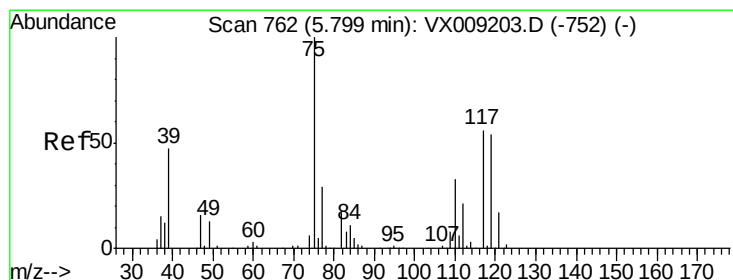
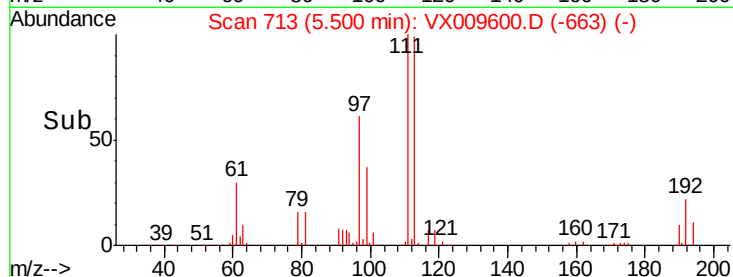
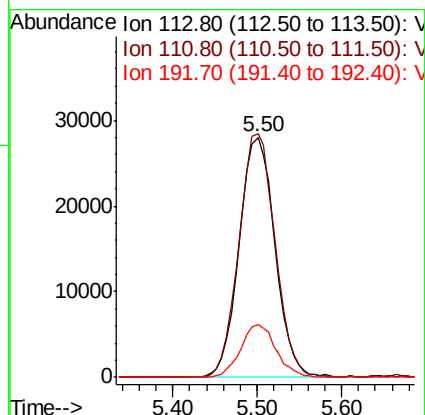
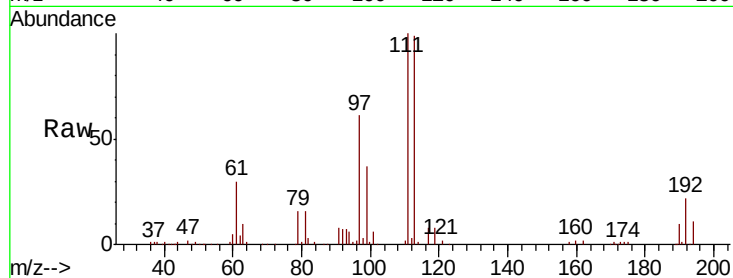




#35
 Dibromofluoromethane
 Concen: 49.374 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

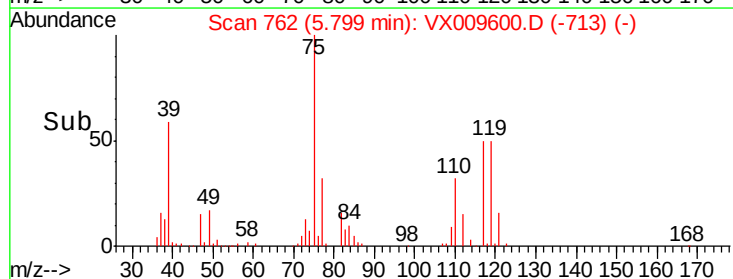
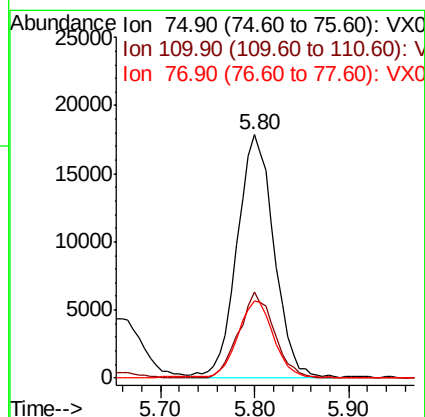
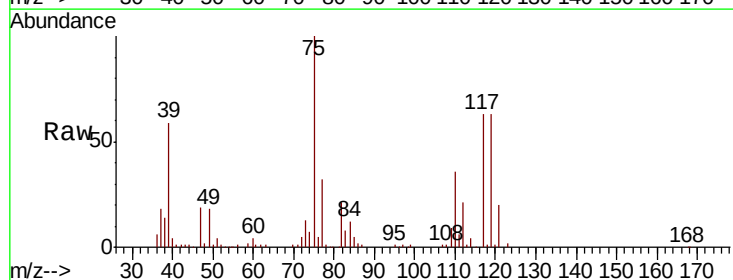
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

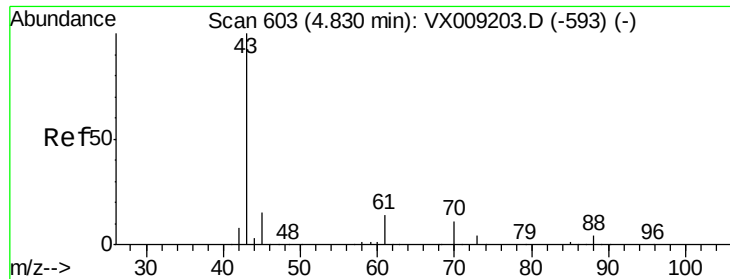
Tot Ion:113 Resp: 80741
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.8 124.2
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 20.073 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion: 75 Resp: 48526
 Ion Ratio Lower Upper
 75 100
 110 34.2 16.9 50.6
 77 31.7 24.8 37.2

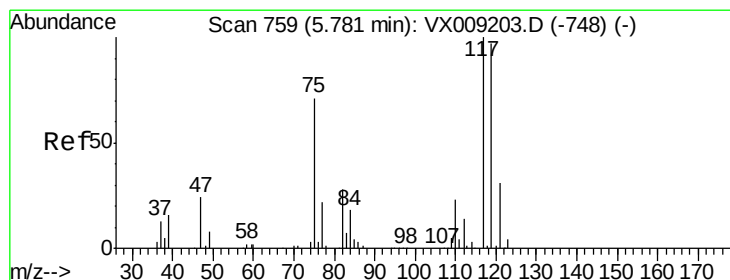
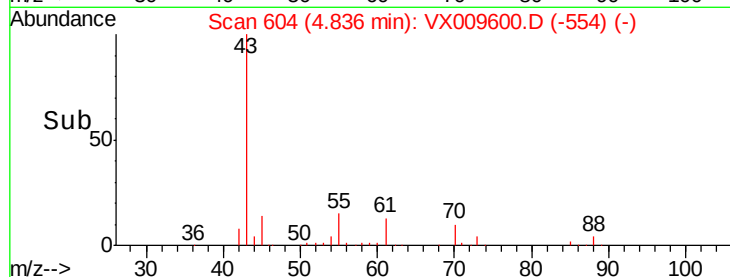
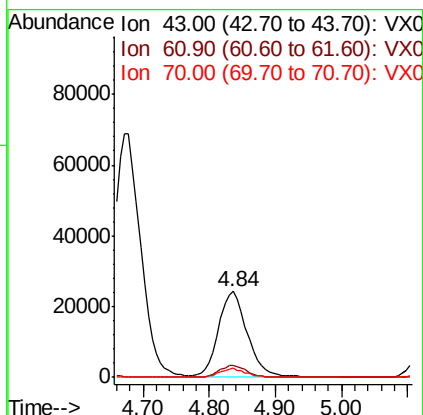
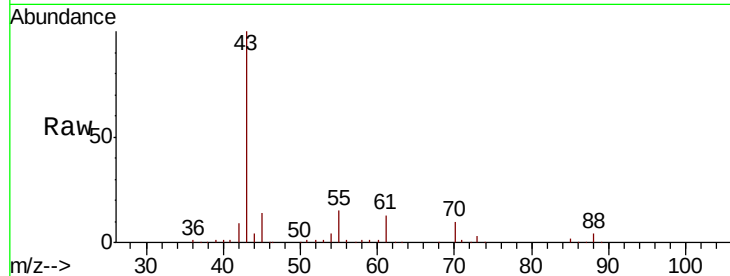




#37
Ethyl Acetate
Concen: 21.550 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

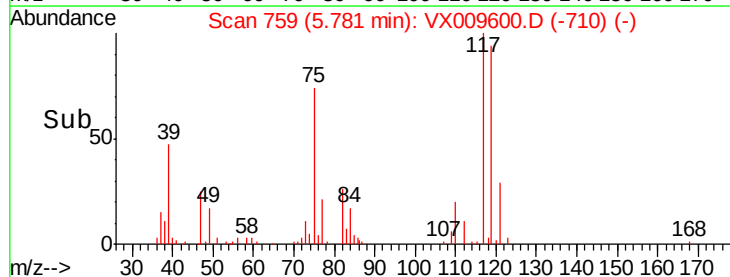
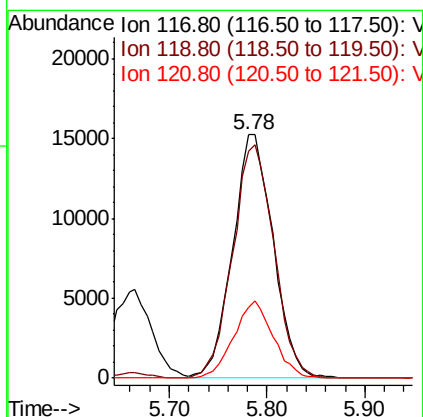
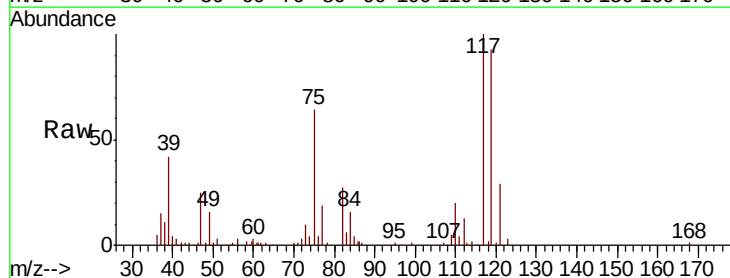
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

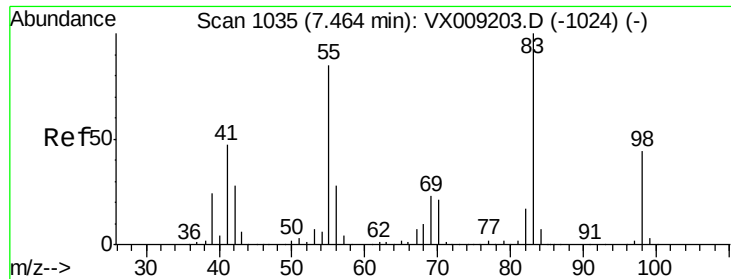
Tot Ion: 43 Resp: 72584
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.4 7.9 11.9



#38
Carbon Tetrachloride
Concen: 20.074 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 117 Resp: 44090
Ion Ratio Lower Upper
117 100
119 93.4 77.5 116.3
121 29.1 24.7 37.1

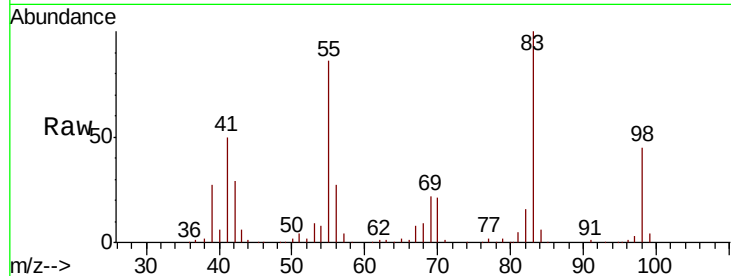




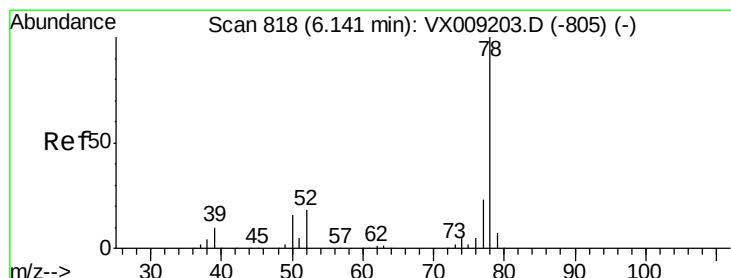
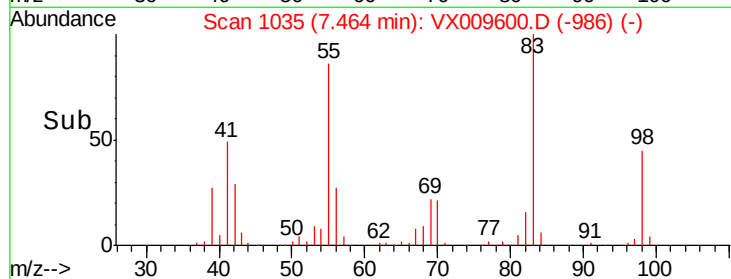
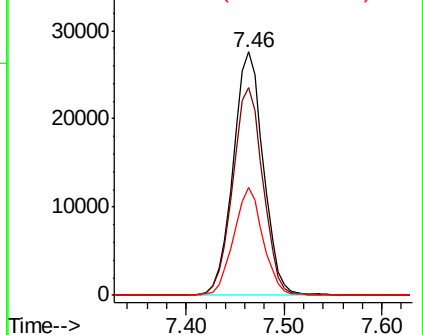
#39
Methylvlcyclohexane
Concen: 19.908 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion: 83 Resp: 59103
Ion Ratio Lower Upper
83 100
55 85.5 67.7 101.5
98 44.5 35.5 53.3

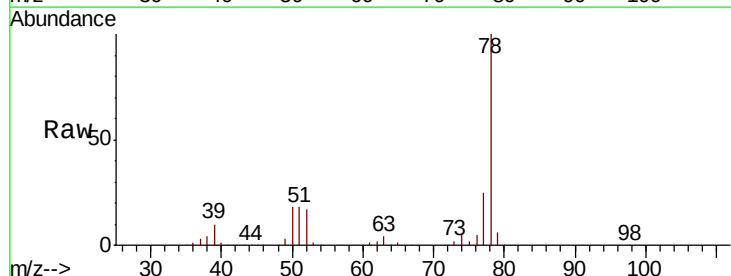


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

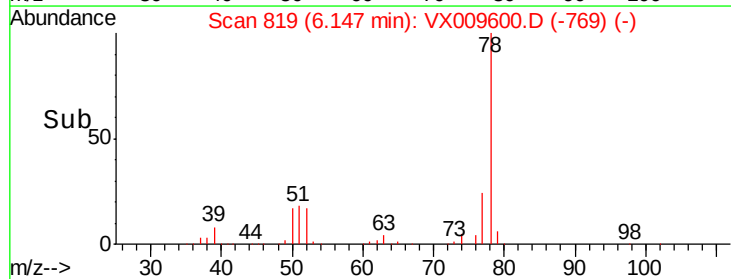
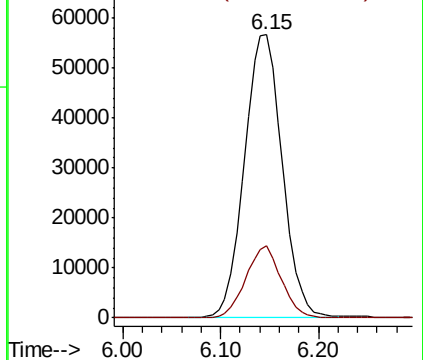


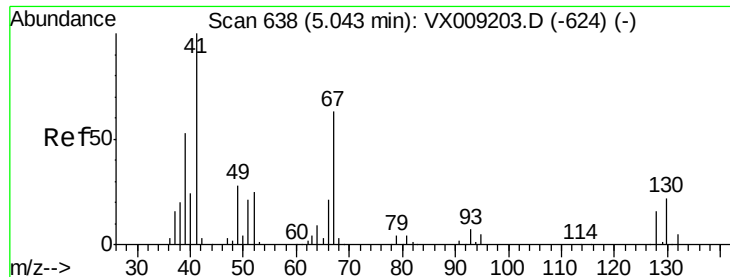
#40
Benzene
Concen: 20.402 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 78 Resp: 152640
Ion Ratio Lower Upper
78 100
77 25.3 18.8 28.2



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





#41

Methacrylonitrile

Concen: 20.356 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0516WBS01

Tot Ion: 41 Resp: 40814

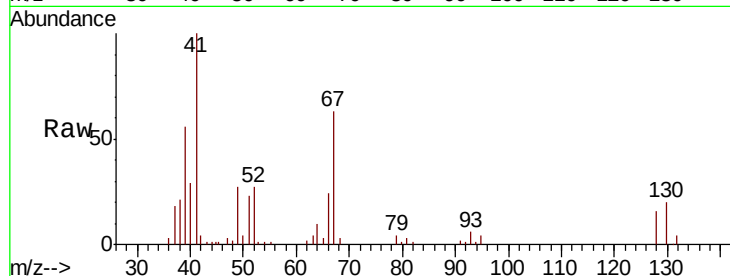
Ion Ratio Lower Upper

41 100

39 54.2 42.0 63.0

67 63.5 49.8 74.8

52 27.6 20.3 30.5

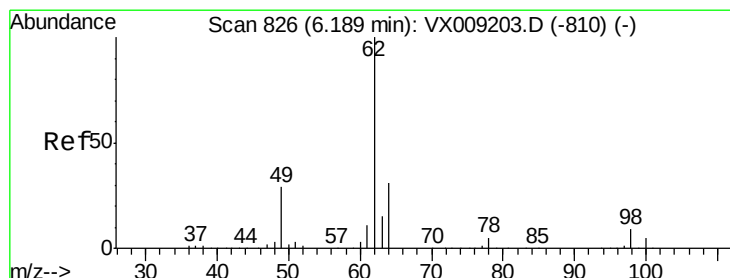
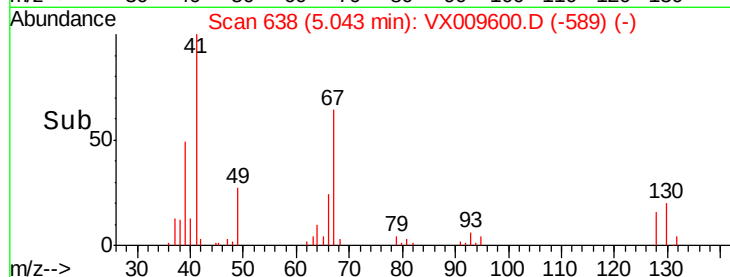
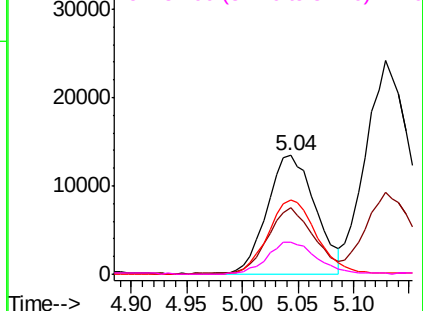


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.085 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009600.D

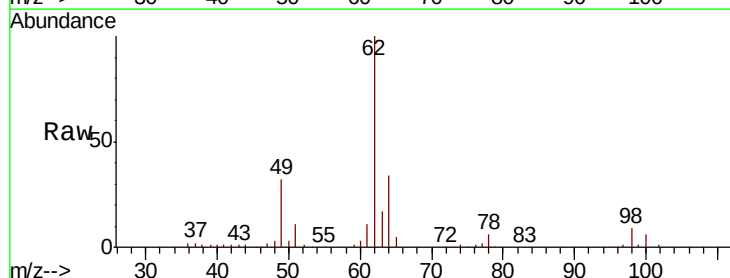
Acq: 16 May 2019 12:27

Tgt Ion: 62 Resp: 56587

Ion Ratio Lower Upper

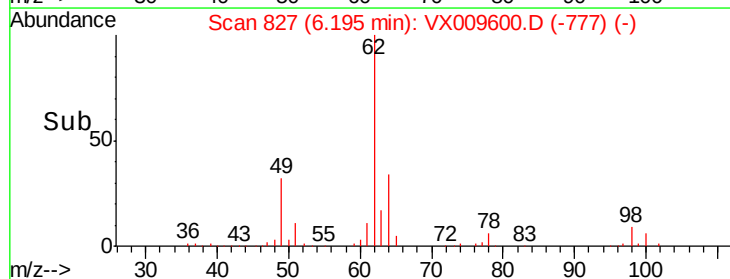
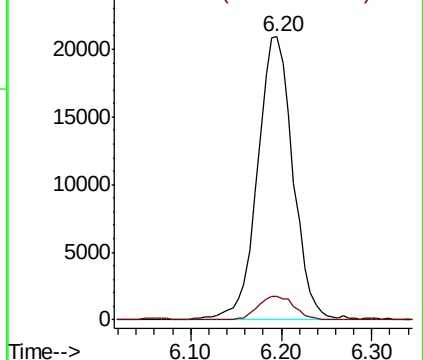
62 100

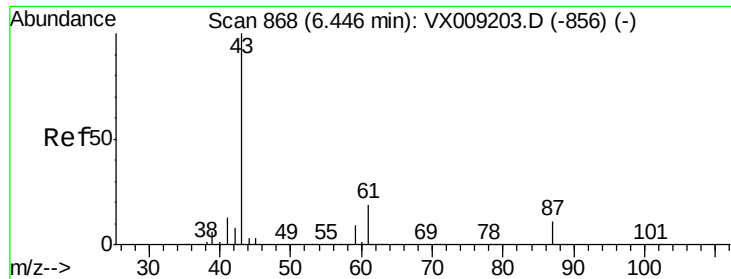
98 8.7 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.657 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

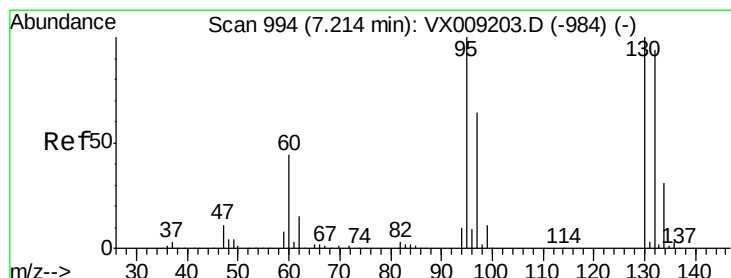
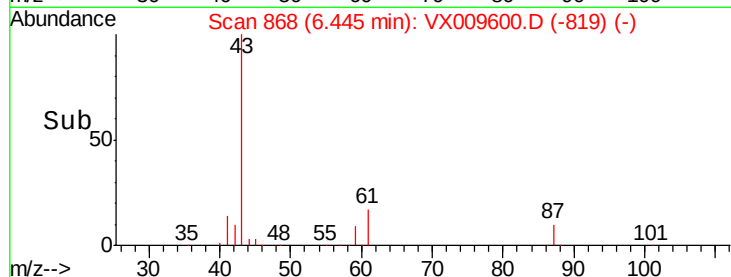
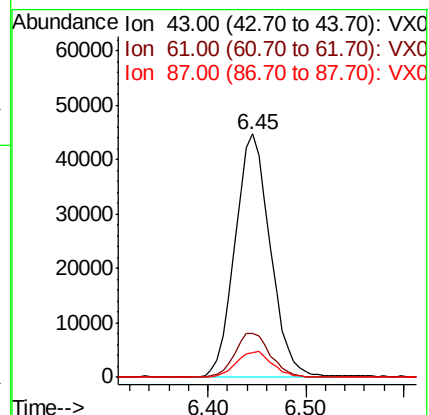
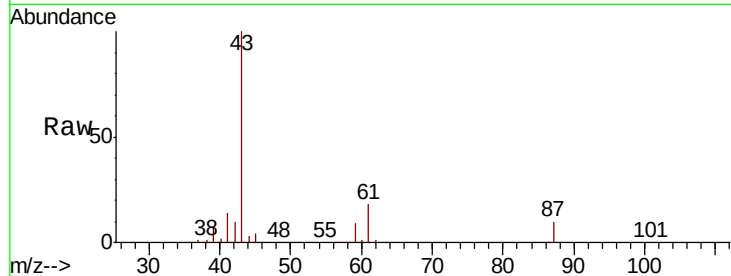
Tot Ion: 43 Resp: 111293

Ion Ratio Lower Upper

43 100

61 18.7 15.1 22.7

87 11.1 9.0 13.6



#44

Trichloroethene

Concen: 19.999 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009600.D

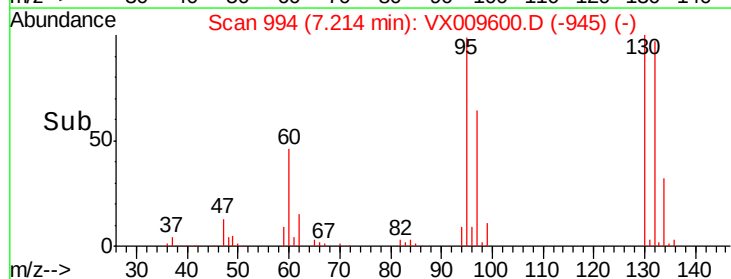
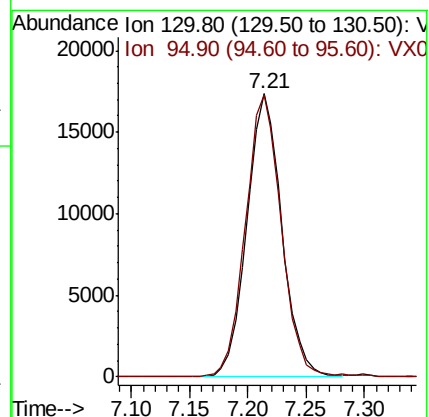
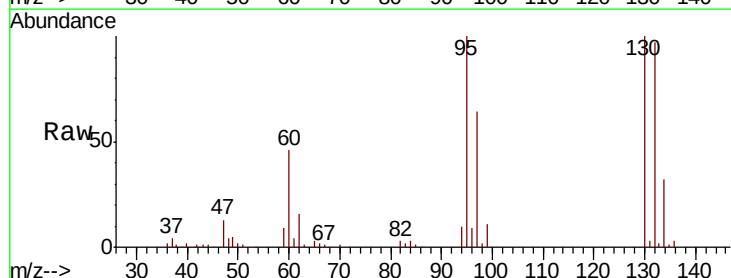
Acq: 16 May 2019 12:27

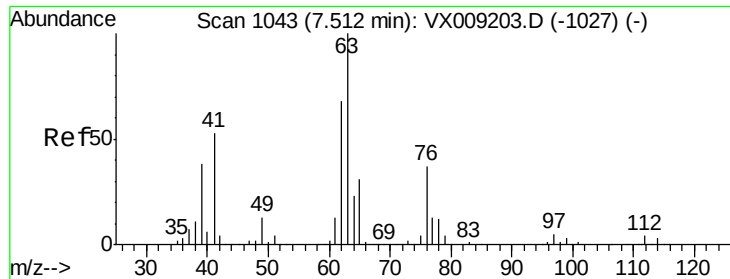
Tgt Ion:130 Resp: 36173

Ion Ratio Lower Upper

130 100

95 99.9 0.0 199.2

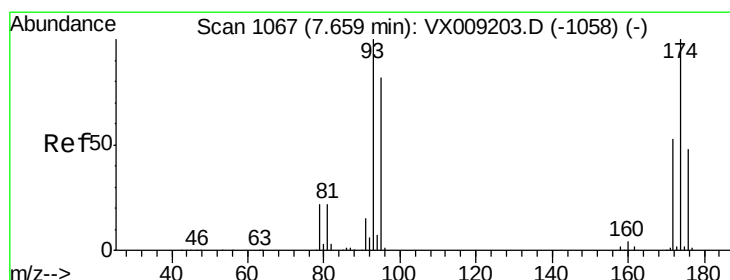
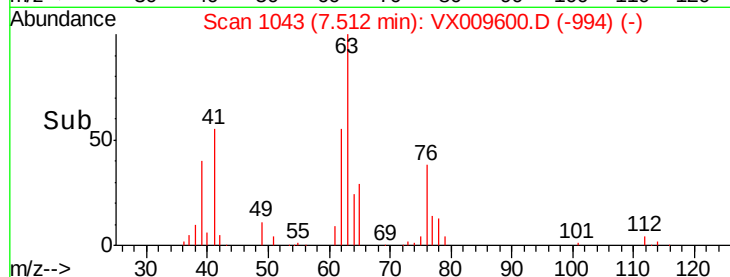
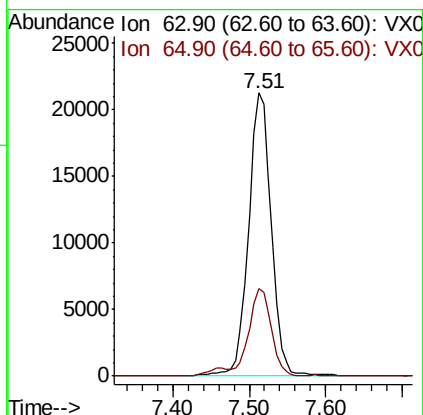
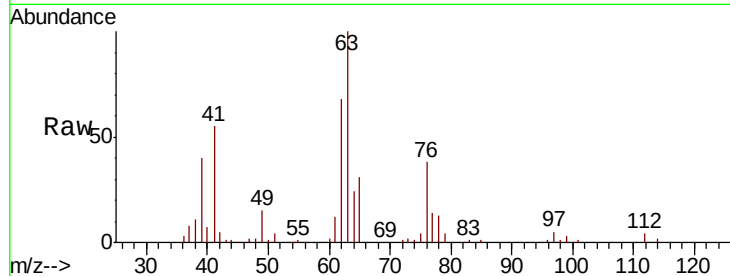




#45
 1,2-Dichloropropane
 Concen: 20.818 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

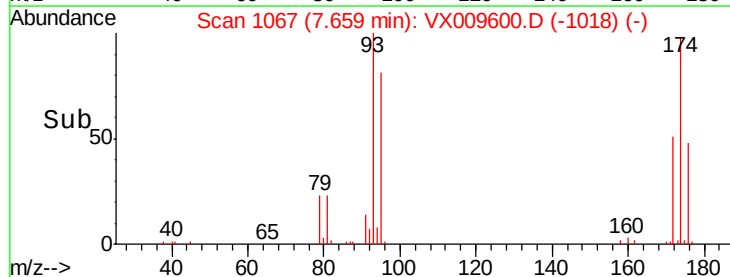
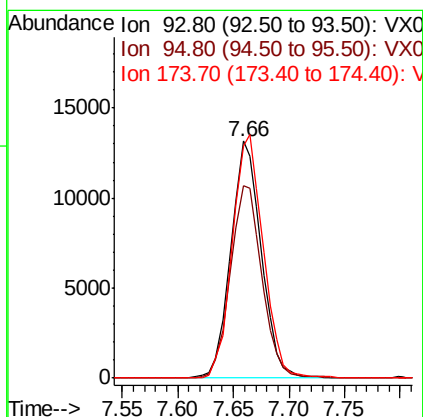
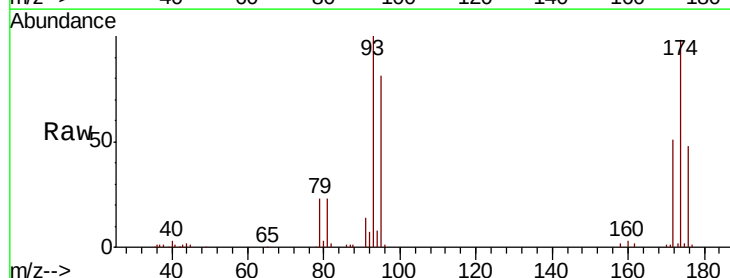
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

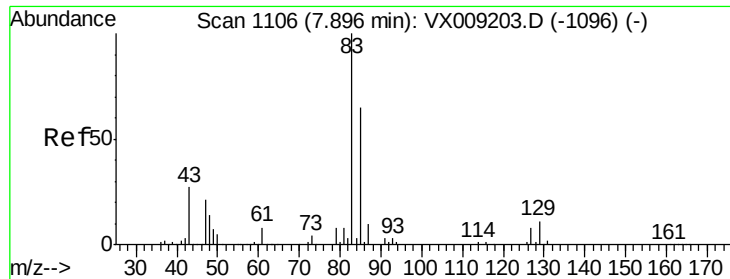
Tot Ion: 63 Resp: 44102
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6



#46
 Dibromomethane
 Concen: 20.350 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion: 93 Resp: 25035
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.5 99.7
 174 103.9 82.1 123.1





#47

Bromodichloromethane

Concen: 20.338 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

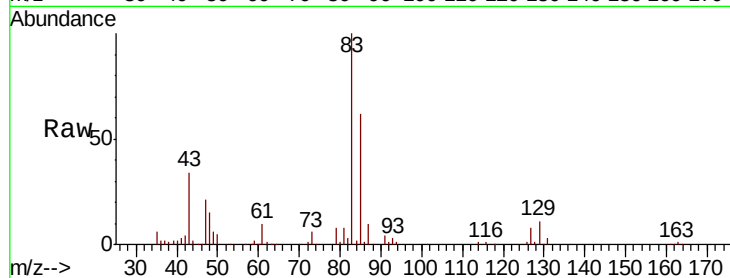
Tot Ion: 83 Resp: 49910

Ion Ratio Lower Upper

83 100

85 61.7 52.4 78.6

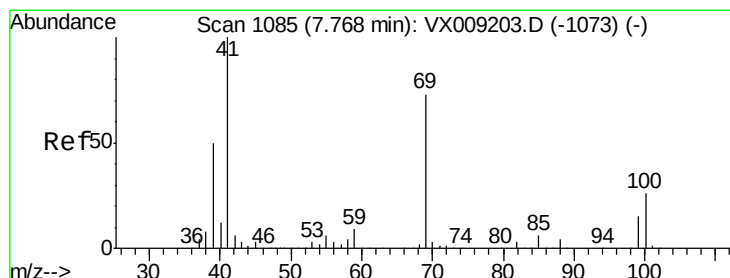
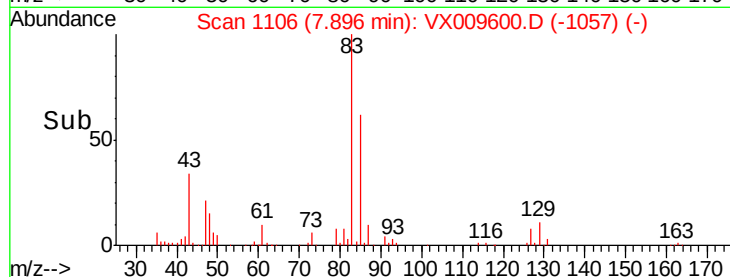
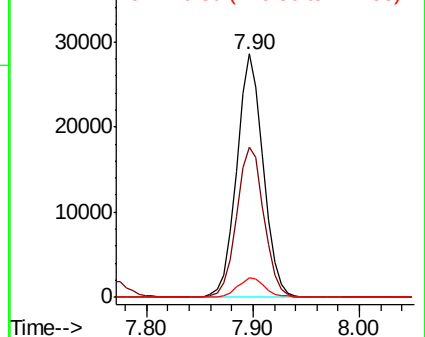
127 8.2 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.041 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

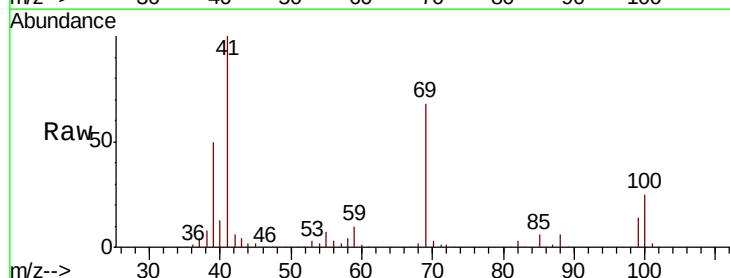
Tgt Ion: 41 Resp: 56241

Ion Ratio Lower Upper

41 100

69 72.0 59.1 88.7

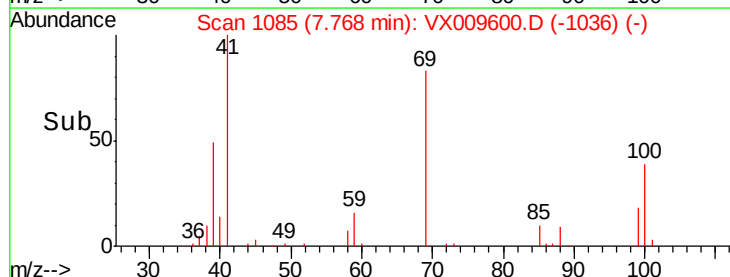
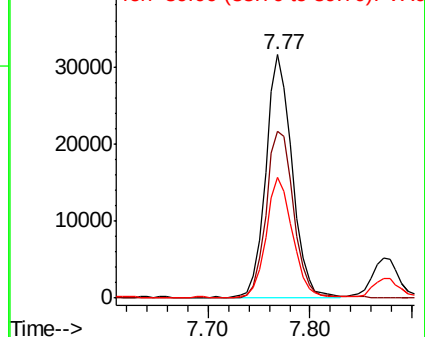
39 49.9 40.4 60.6

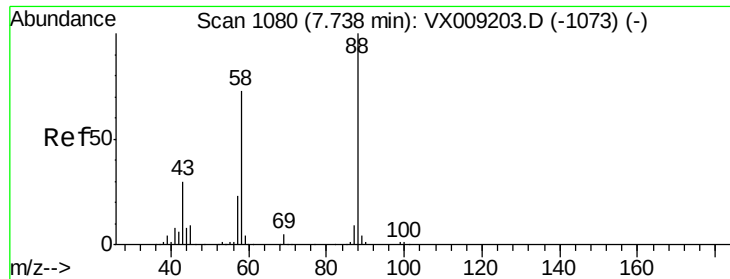


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

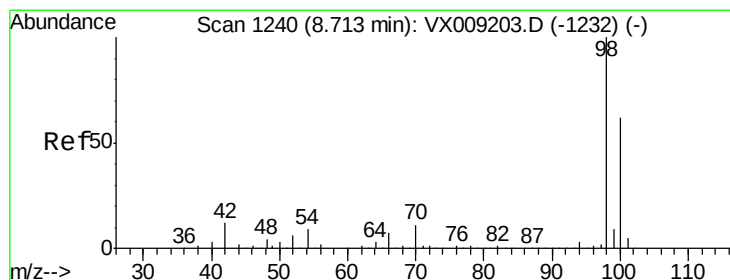
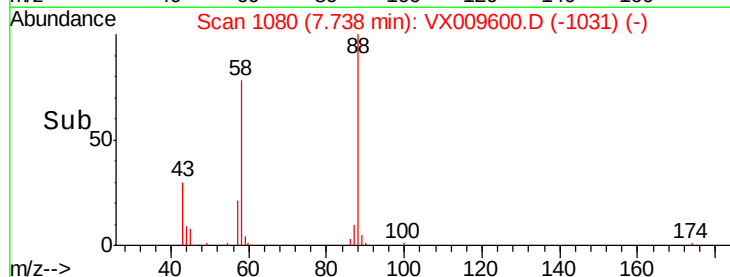
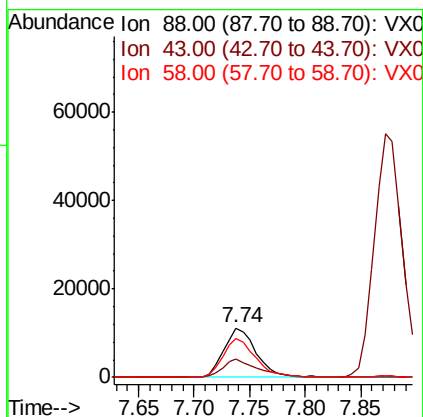
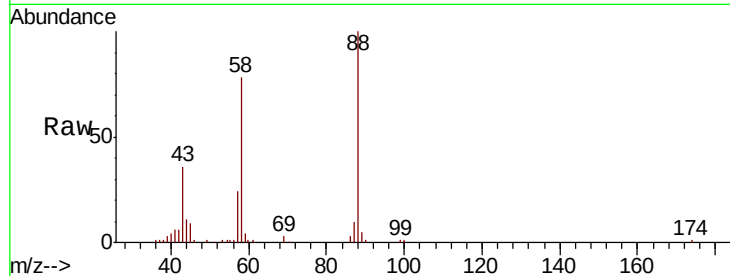




#49
1,4-Dioxane
Concen: 413.284 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

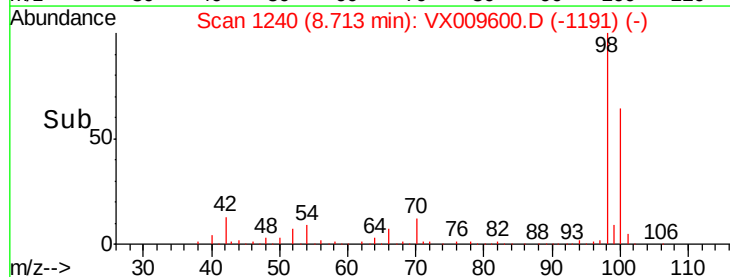
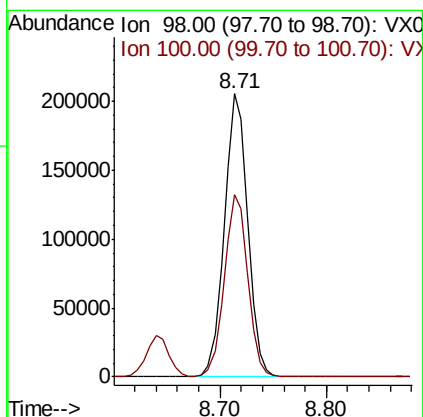
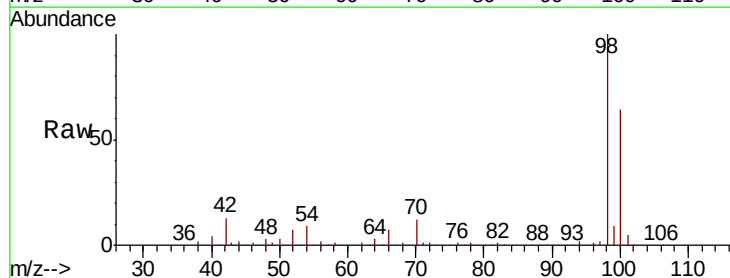
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

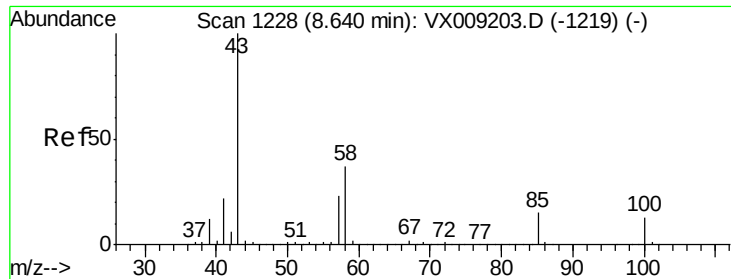
Tot Ion: 88 Resp: 22403
Ion Ratio Lower Upper
88 100
43 38.3 28.6 42.8
58 80.1 61.7 92.5



#50
Toluene-d8
Concen: 47.847 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 98 Resp: 315891
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 107.249 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

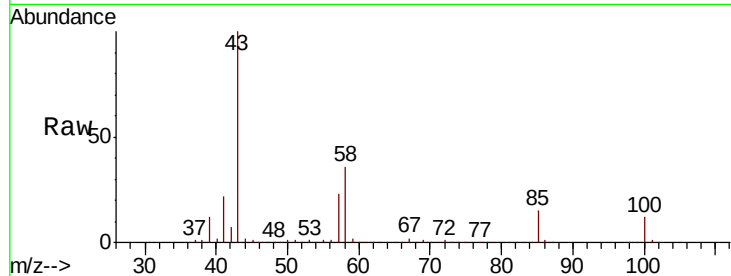
VX0516WBS01

Tot Ion: 43 Resp: 377679

Ion Ratio Lower Upper

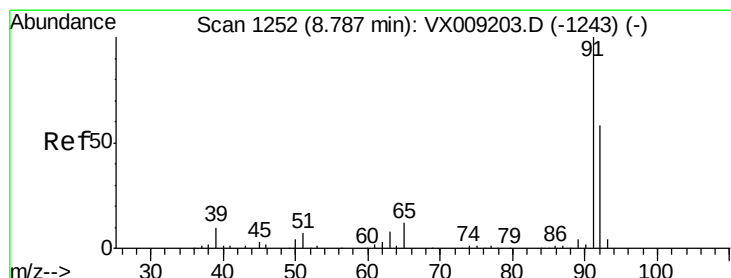
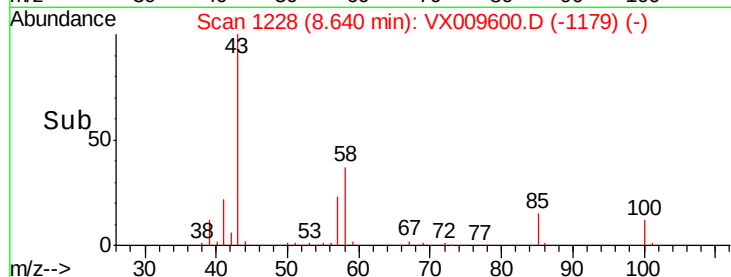
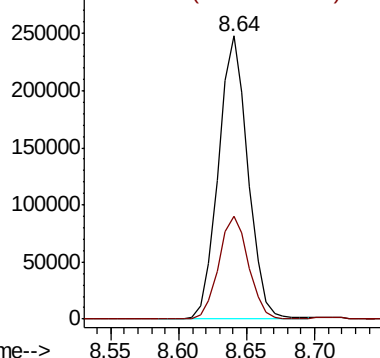
43 100

58 36.6 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.473 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009600.D

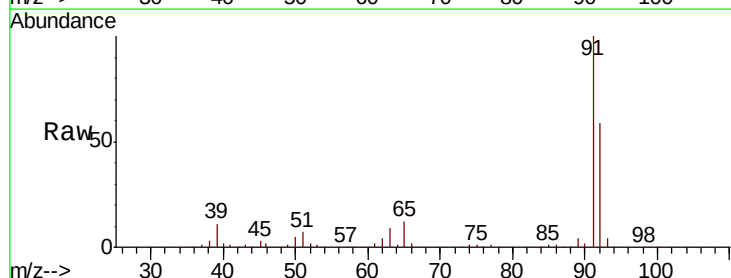
Acq: 16 May 2019 12:27

Tgt Ion: 92 Resp: 93109

Ion Ratio Lower Upper

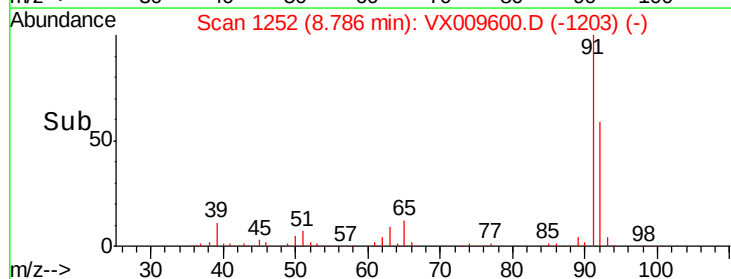
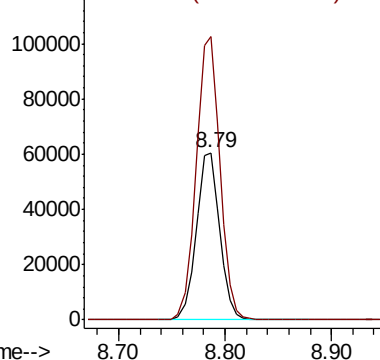
92 100

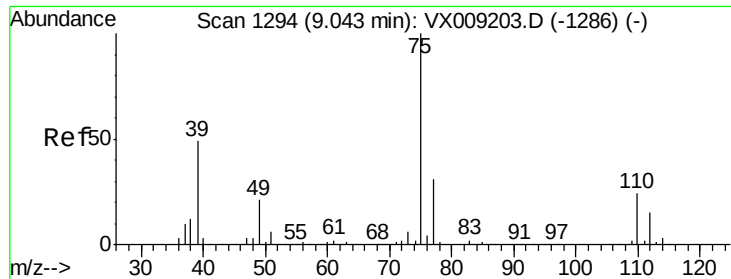
91 172.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

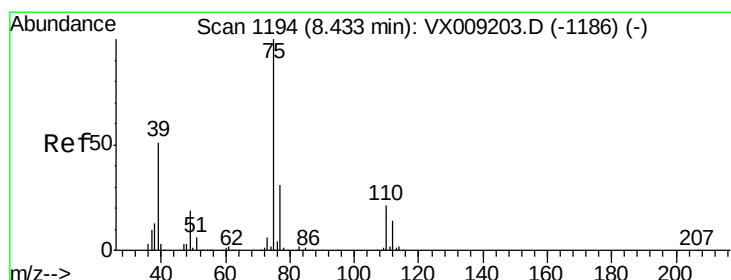
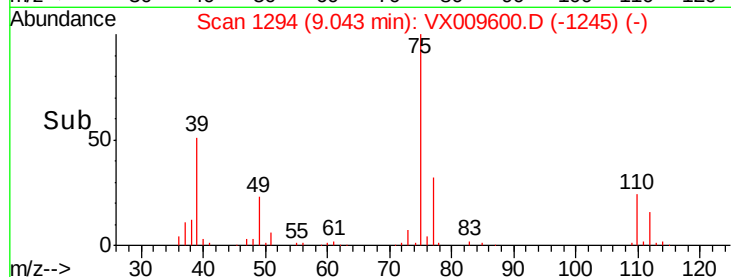
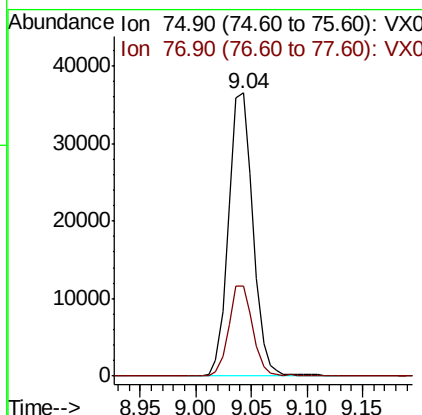
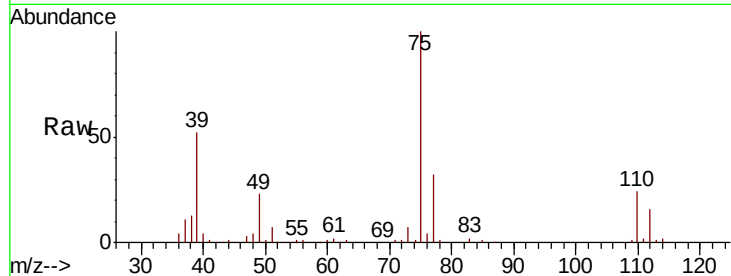




#53
 t-1,3-Dichloropropene
 Concen: 20.030 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

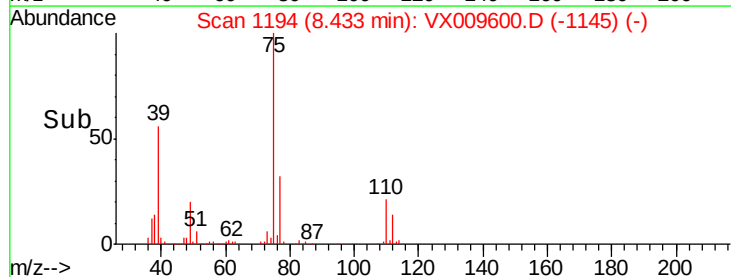
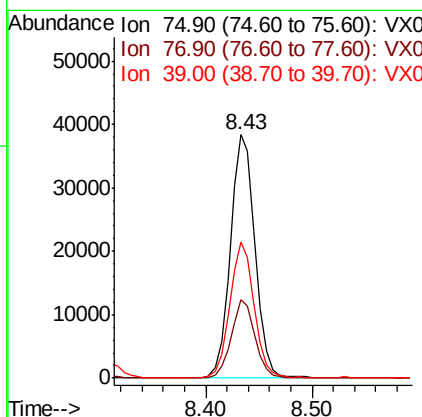
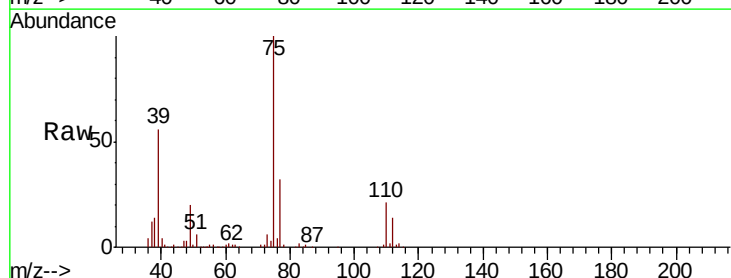
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

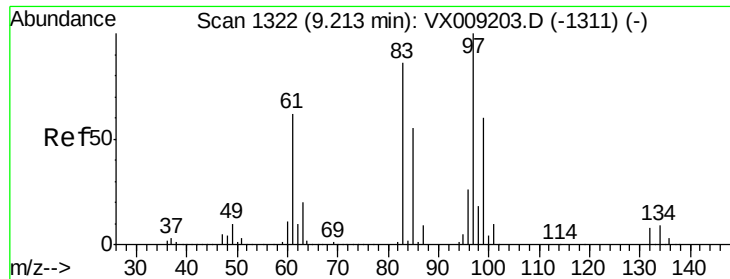
Tot Ion: 75 Resp: 55495
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 20.218 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion: 75 Resp: 61999
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.6 36.8
 39 55.8 40.6 60.8





#55

1,1,2-Trichloroethane

Concen: 20.880 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0516WBS01

Tot Ion: 97 Resp: 38740

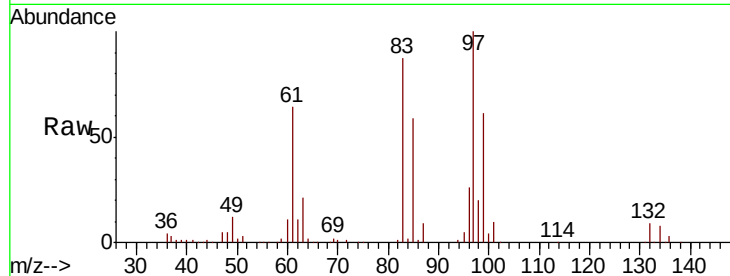
Ion Ratio Lower Upper

97 100

83 87.4 68.9 103.3

85 58.6 43.8 65.6

99 60.4 48.2 72.2



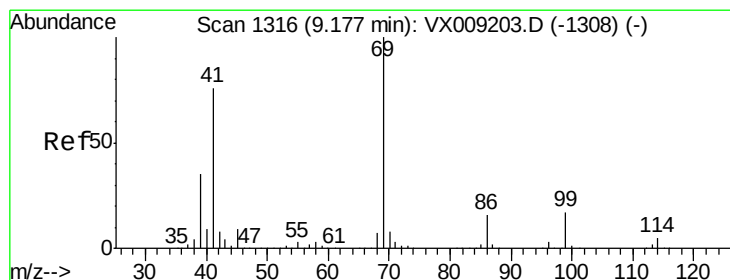
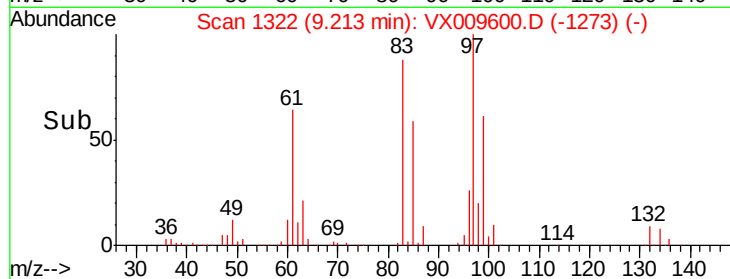
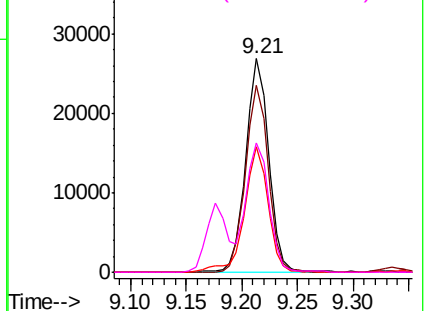
Abundance

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: 20.462 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

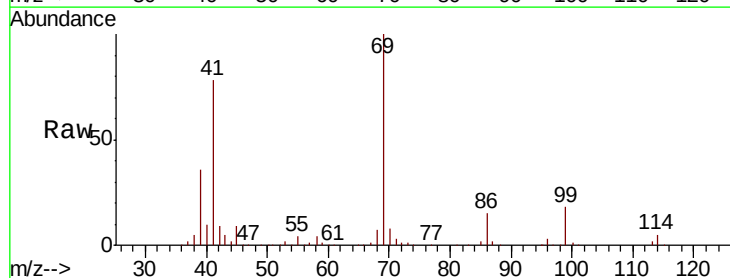
Tgt Ion: 69 Resp: 67770

Ion Ratio Lower Upper

69 100

41 76.7 60.6 90.8

39 36.1 28.2 42.4

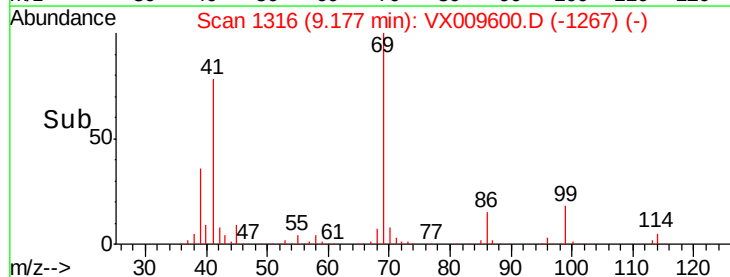
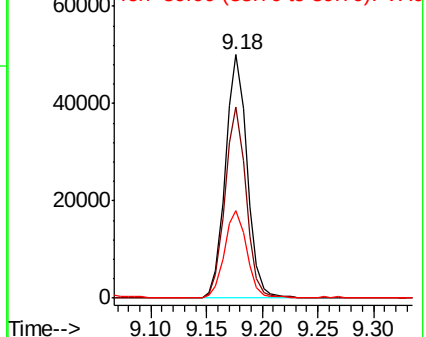


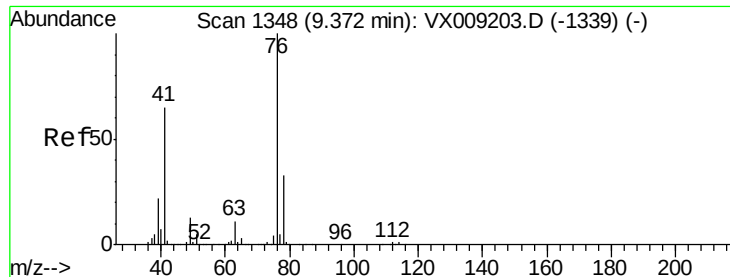
Abundance

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

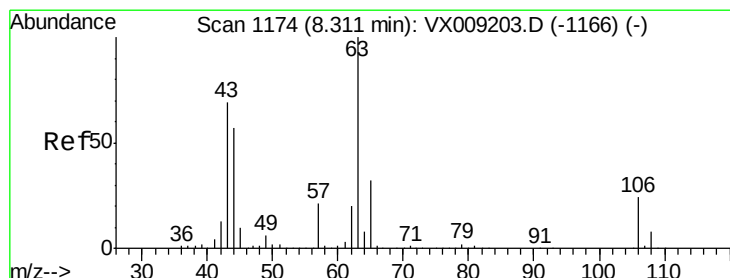
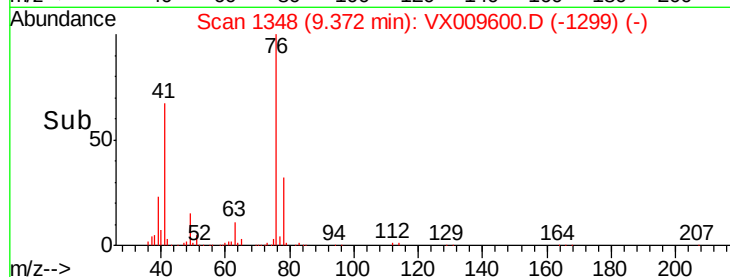
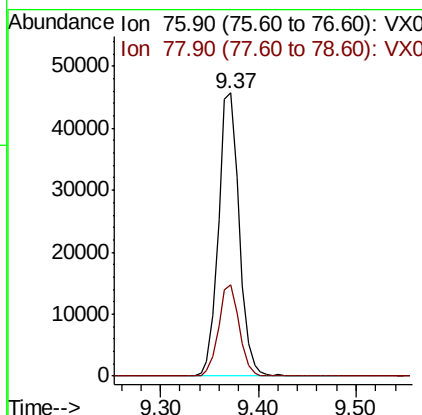
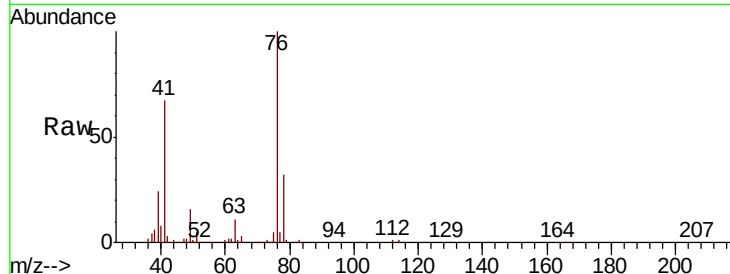




#57
 1,3-Dichloropropane
 Concen: 20.655 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

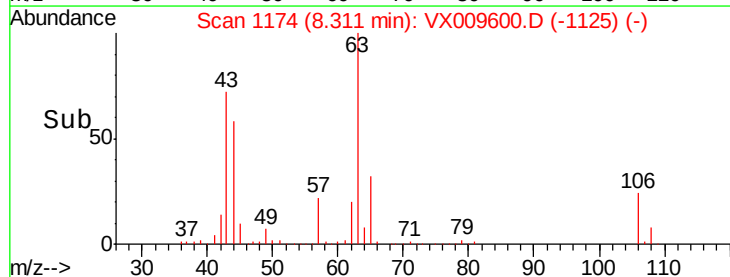
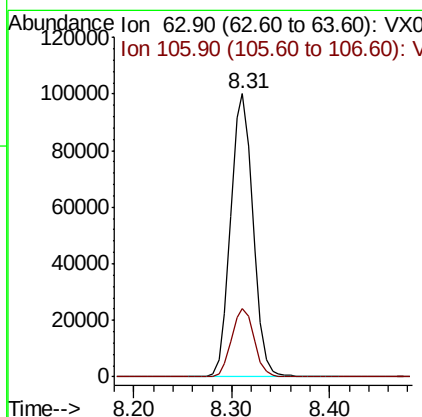
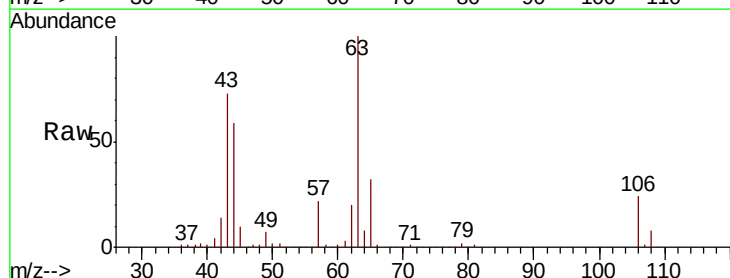
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

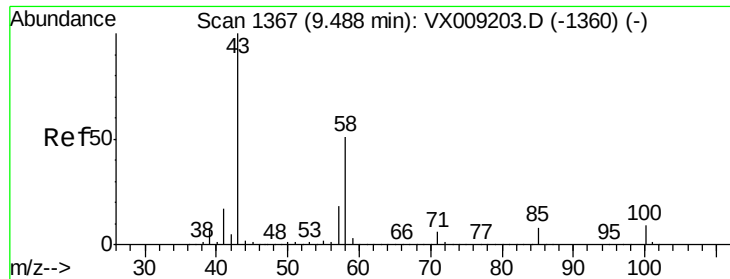
Tot Ion: 76 Resp: 67439
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.648 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion: 63 Resp: 159270
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.7 29.5

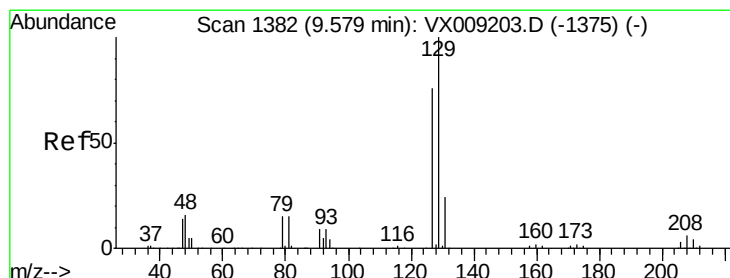
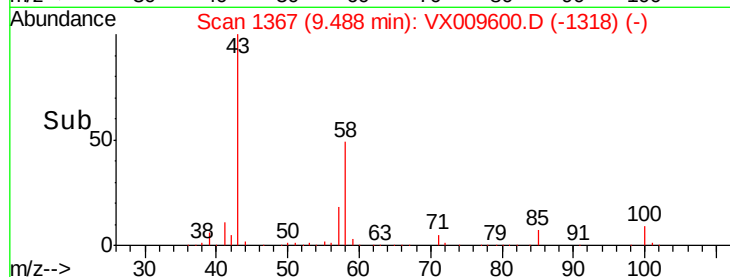
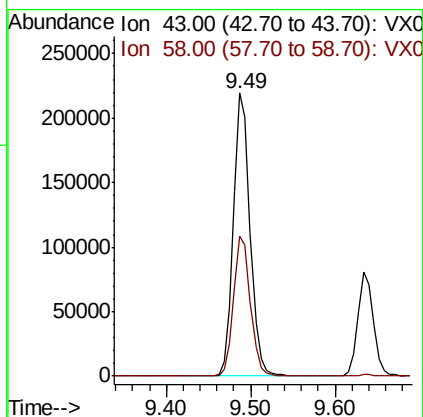
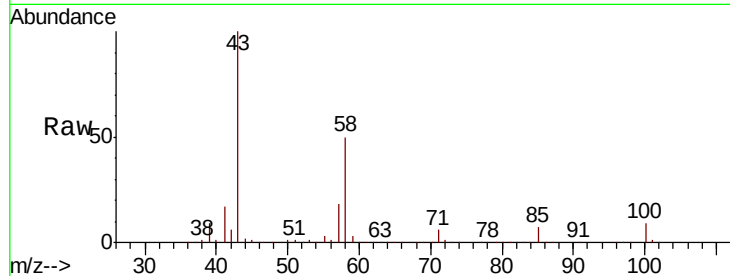




#59
2-Hexanone
Concen: 106.894 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

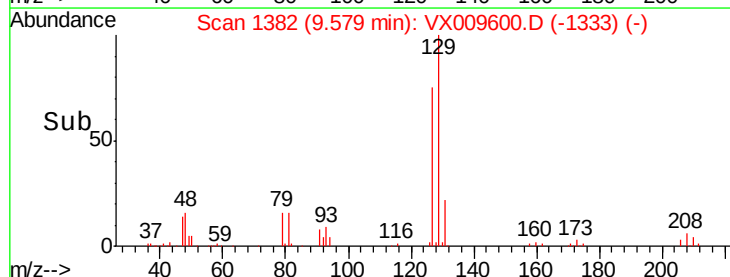
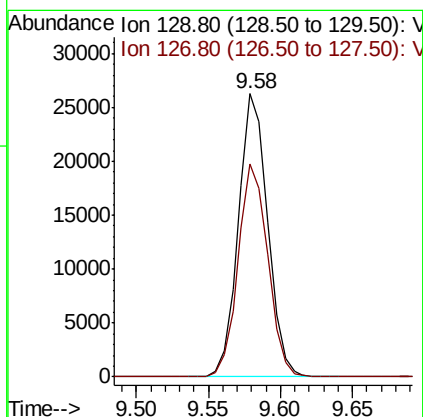
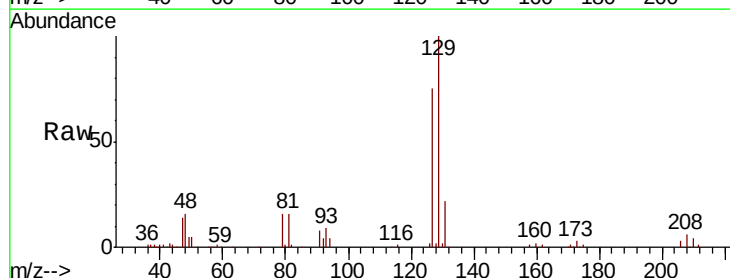
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

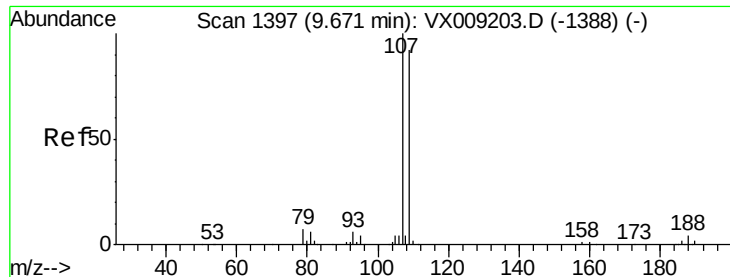
Tot Ion: 43 Resp: 295641
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7



#60
Dibromochloromethane
Concen: 20.480 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 129 Resp: 37112
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.591 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

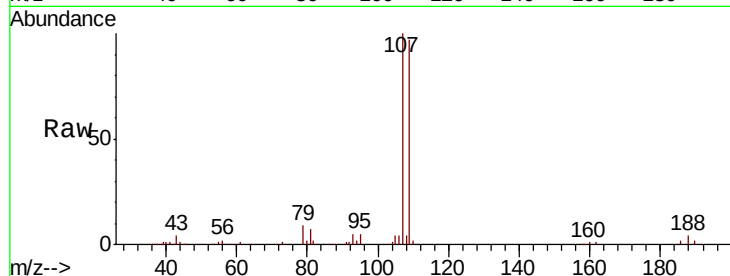
VX0516WBS01

Tot Ion:107 Resp: 38565

Ion Ratio Lower Upper

107 100

109 94.3 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

30000

25000

20000

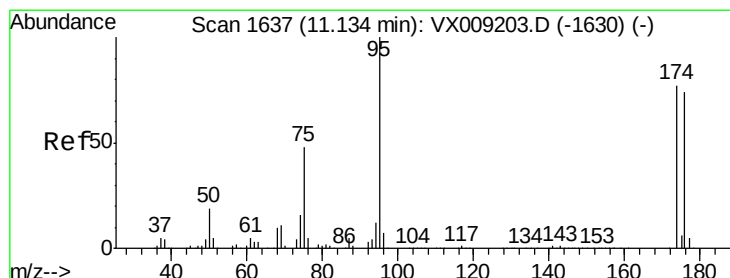
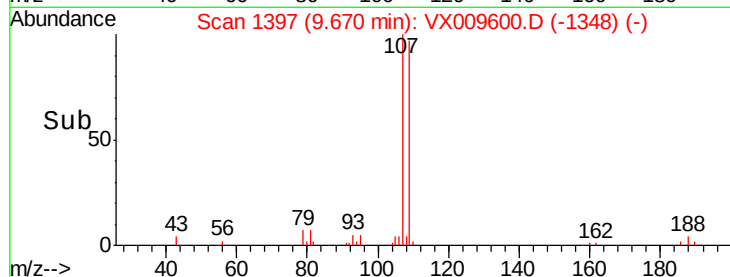
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.459 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

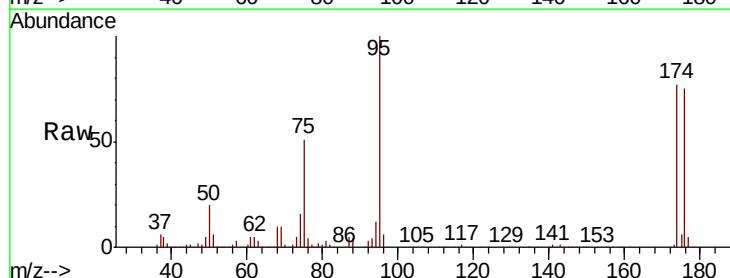
Tgt Ion: 95 Resp: 116252

Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 79.3 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

120000

100000

80000

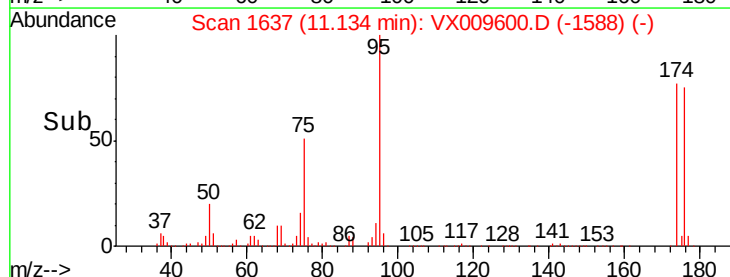
60000

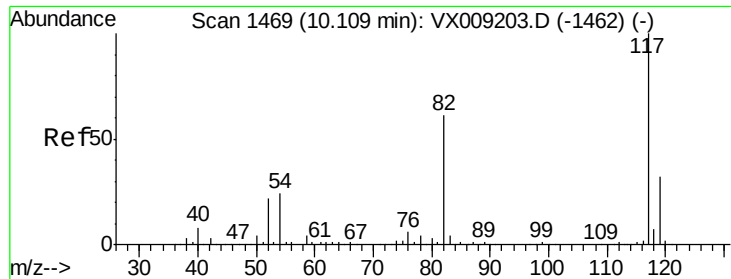
40000

20000

0

Time-->

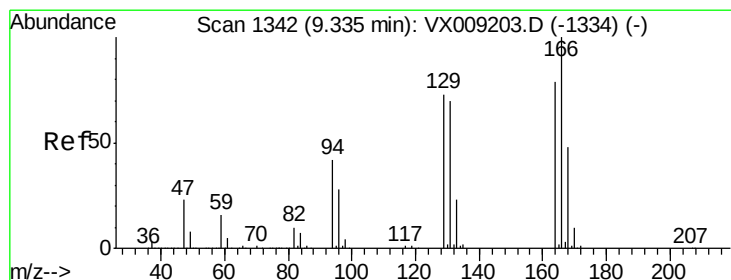
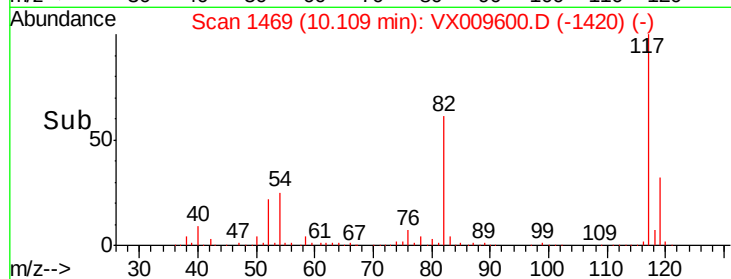
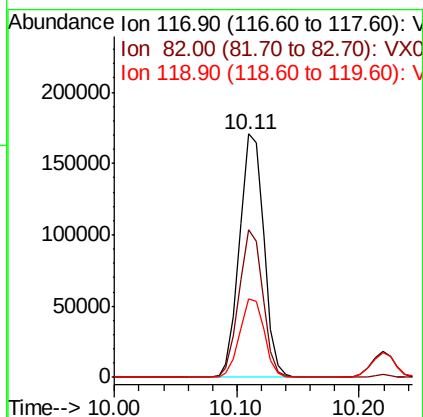
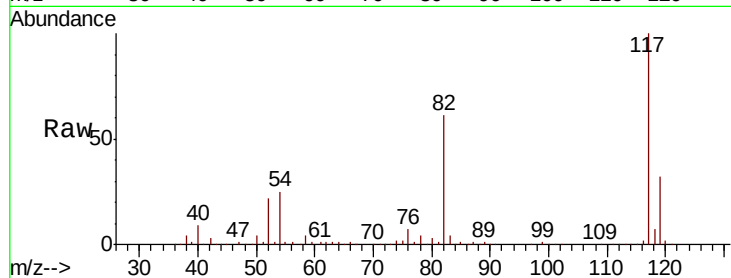




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

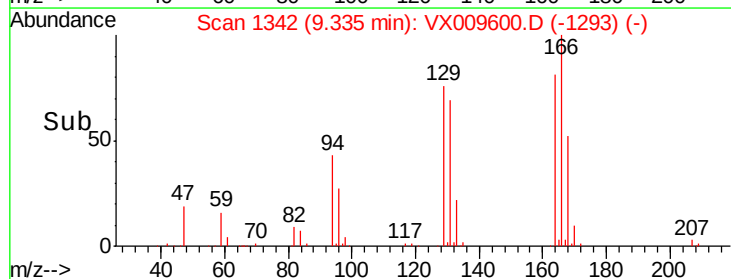
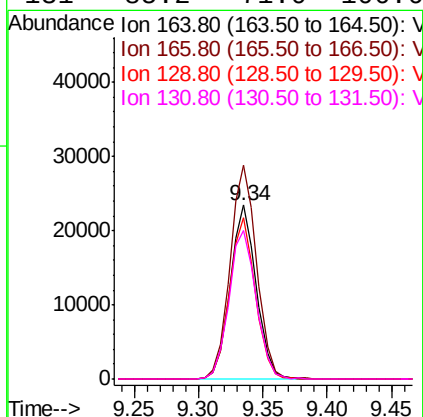
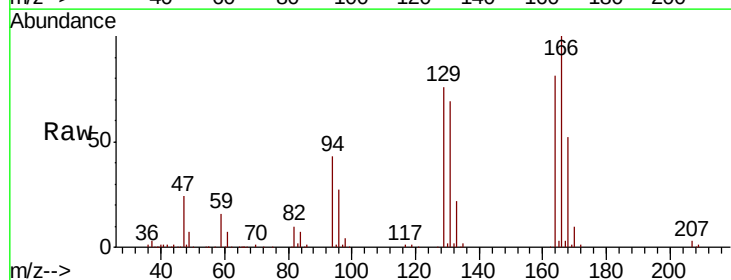
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

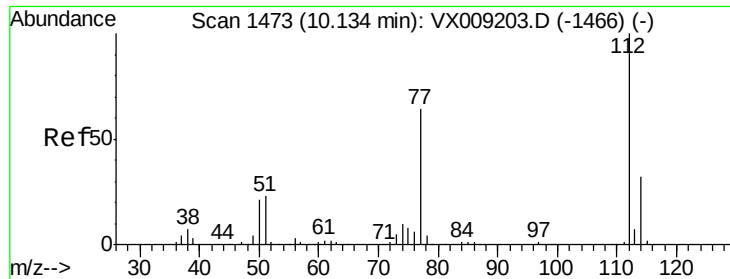
Tot Ion:117 Resp: 235015
Ion Ratio Lower Upper
117 100
82 60.6 48.8 73.2
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 20.532 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion:164 Resp: 33099
Ion Ratio Lower Upper
164 100
166 123.0 101.2 151.8
129 92.9 74.3 111.5
131 85.2 71.0 106.6





#65

Chlorobenzene

Concen: 20.371 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

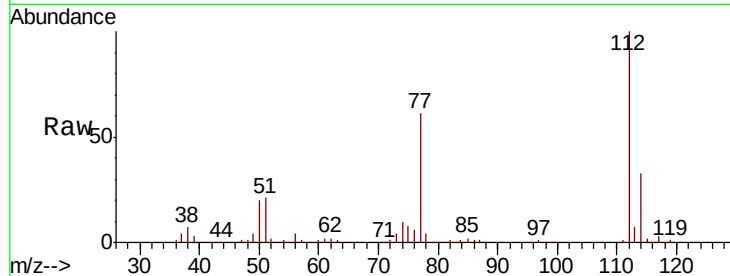
VX0516WBS01

Tot Ion:112 Resp: 95770

Ion Ratio Lower Upper

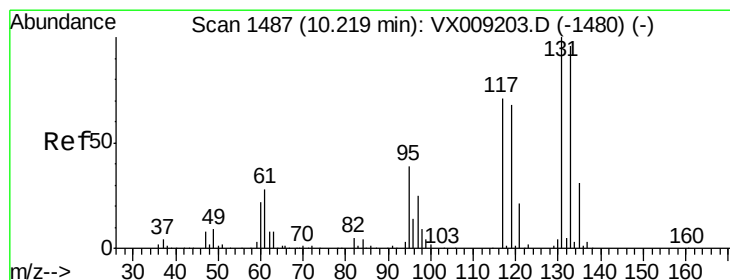
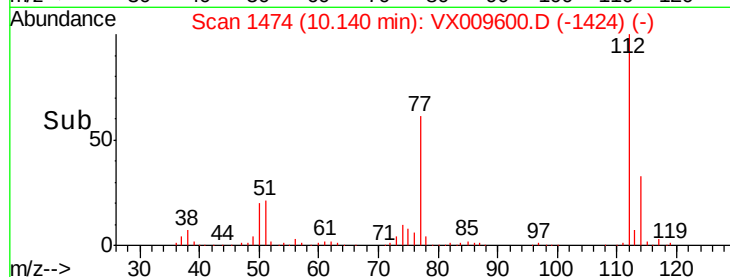
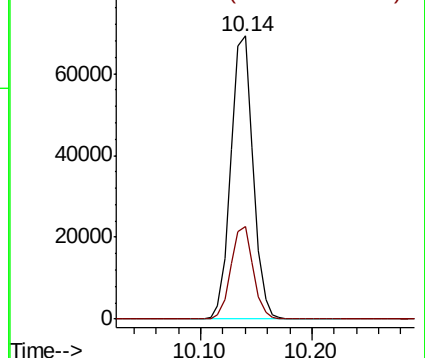
112 100

114 32.7 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.093 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

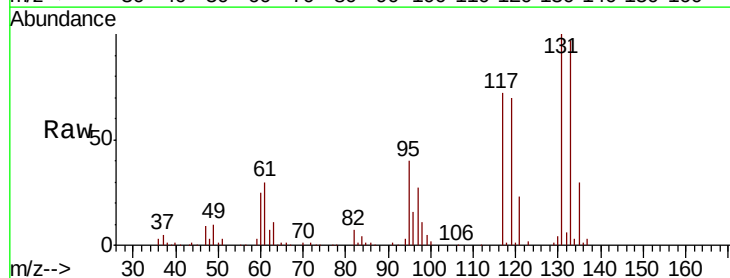
Tgt Ion:131 Resp: 34248

Ion Ratio Lower Upper

131 100

133 97.5 47.7 143.1

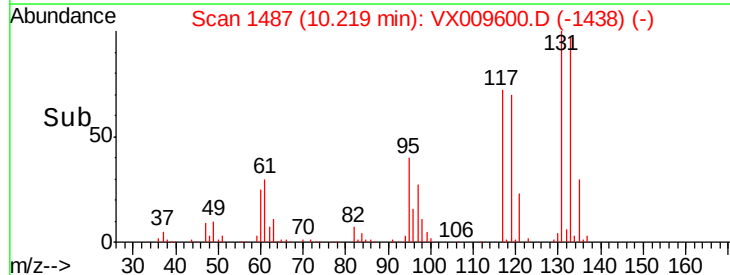
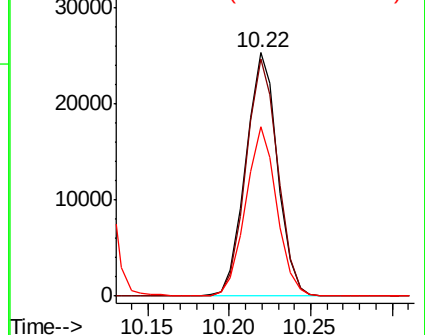
119 68.6 33.5 100.4

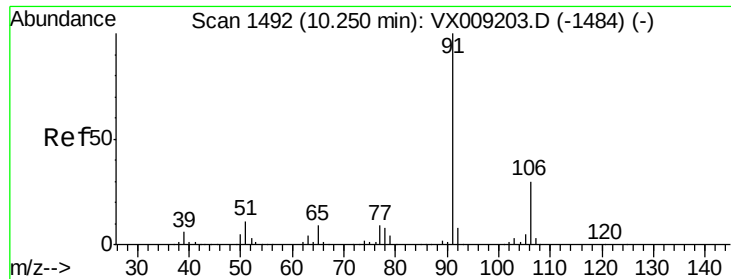


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.486 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

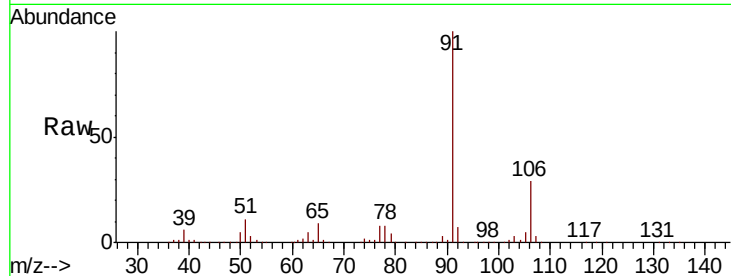
VX0516WBS01

Tot Ion: 91 Resp: 177248

Ion Ratio Lower Upper

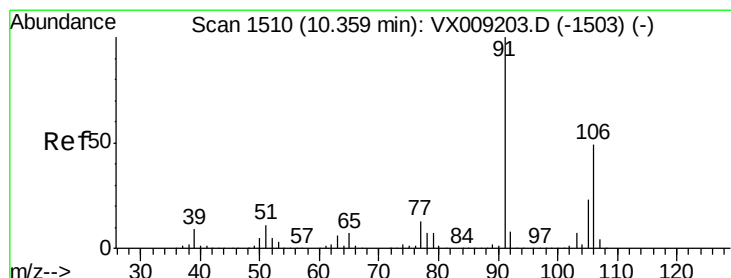
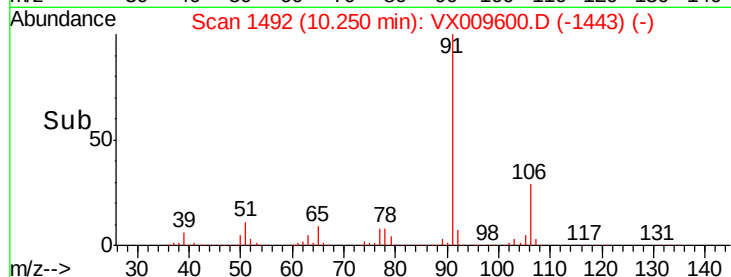
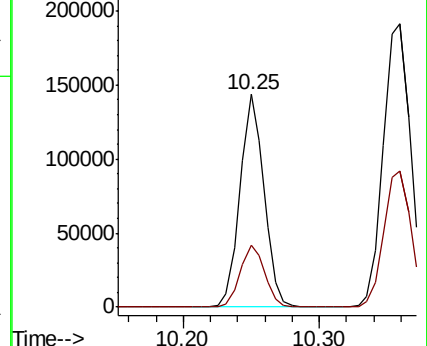
91 100

106 29.1 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.844 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009600.D

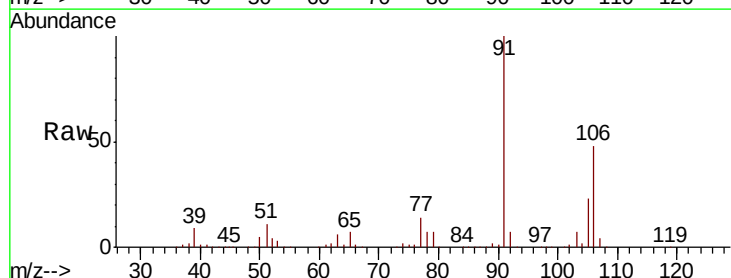
Acq: 16 May 2019 12:27

Tgt Ion:106 Resp: 129141

Ion Ratio Lower Upper

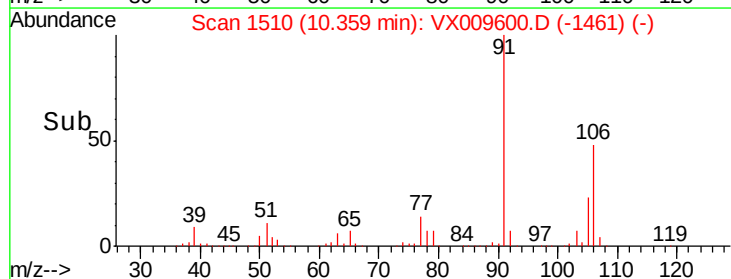
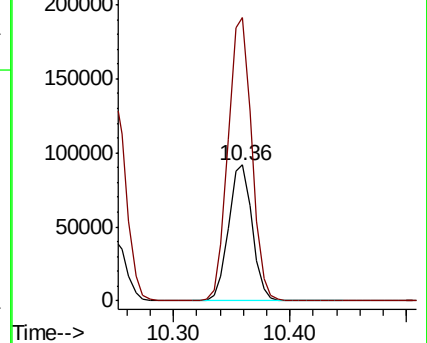
106 100

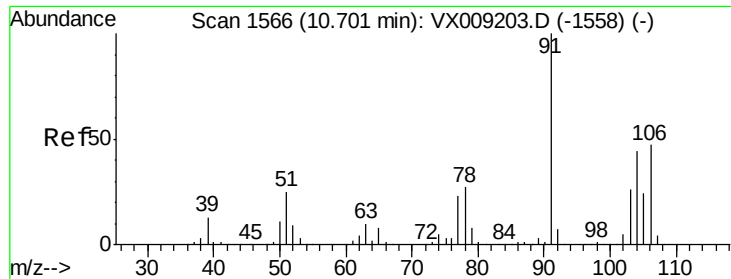
91 208.2 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

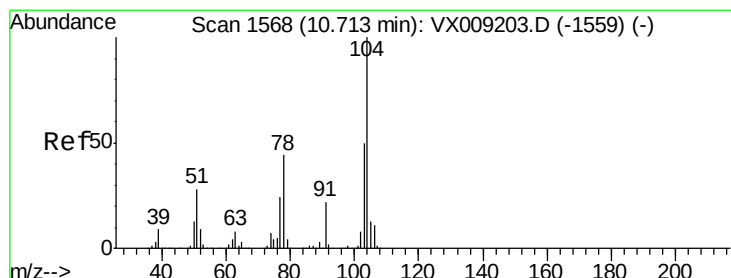
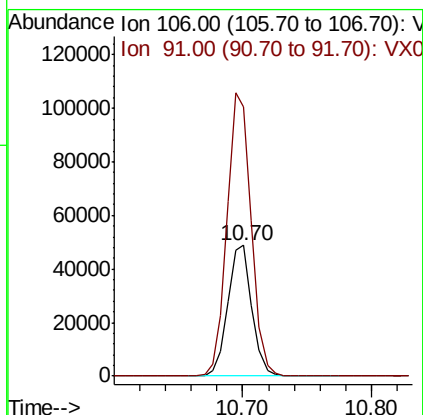
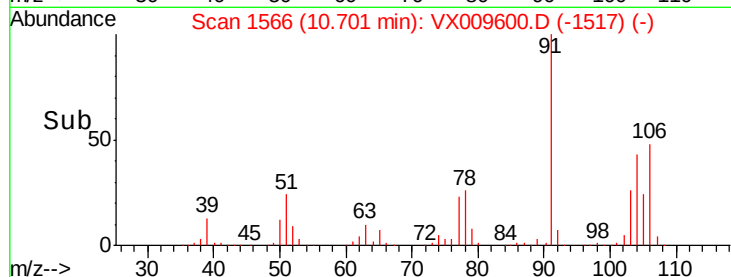
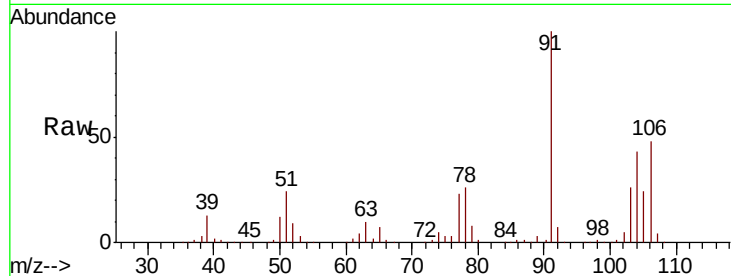




#69
o-Xylene
Concen: 20.533 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

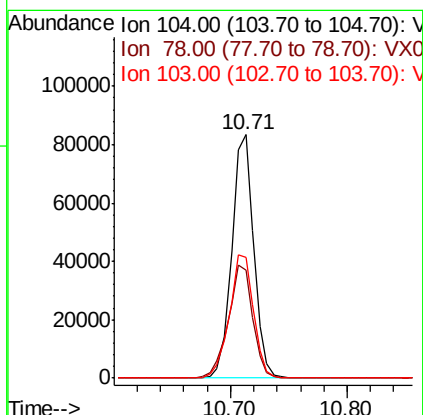
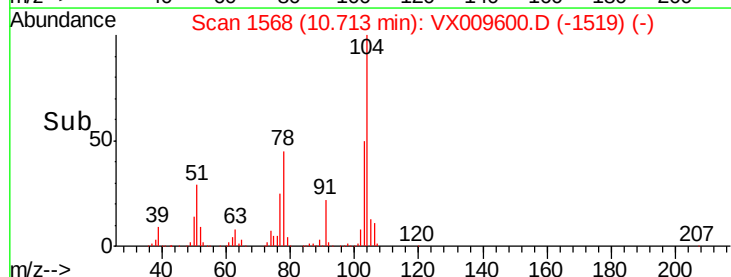
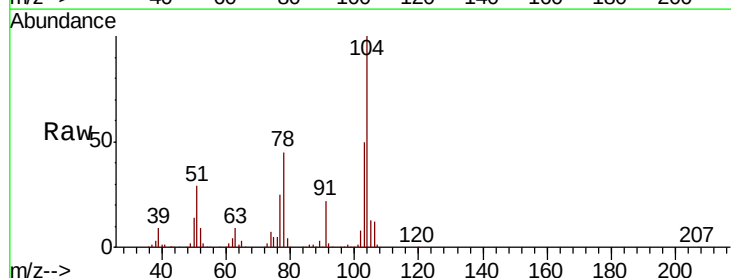
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

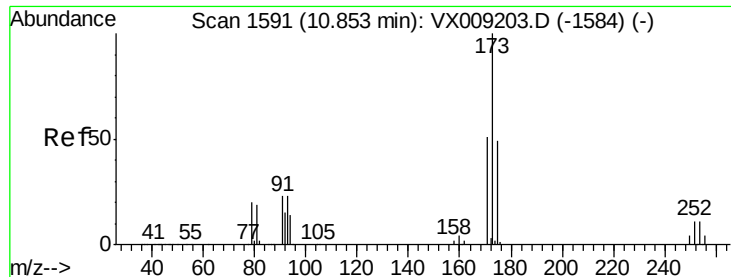
Tot Ion:106 Resp: 64056
Ion Ratio Lower Upper
106 100
91 218.1 109.5 328.4



#70
Styrene
Concen: 20.205 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion:104 Resp: 109551
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 55.7 43.8 65.6

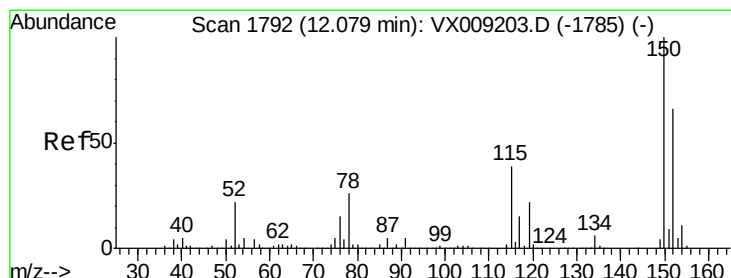
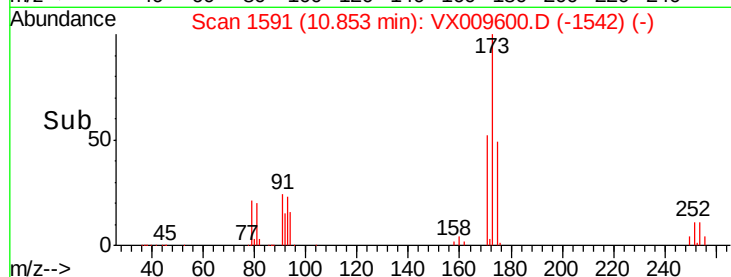
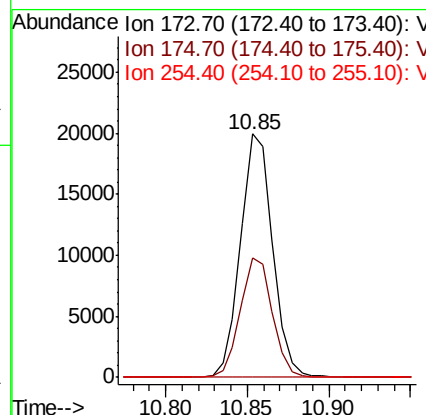
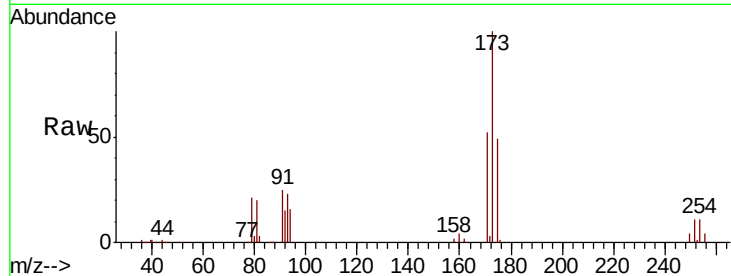




#71
Bromoform
Concen: 19.697 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

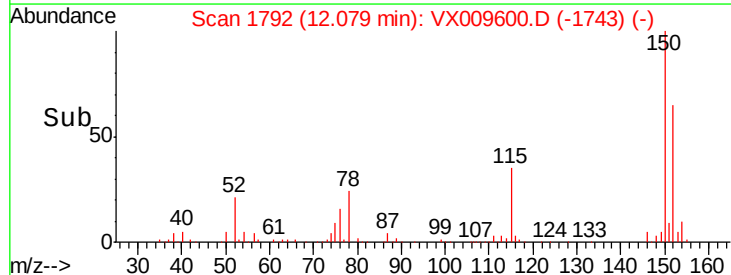
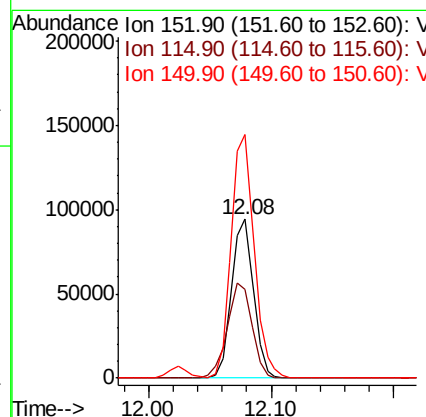
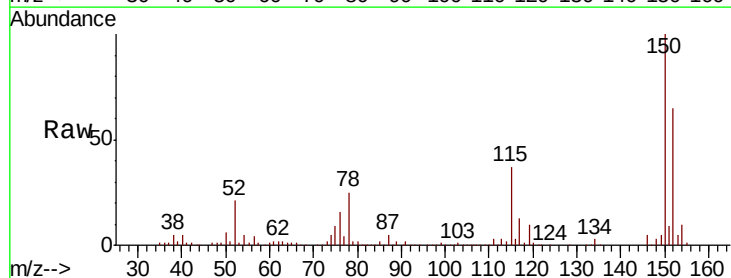
Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

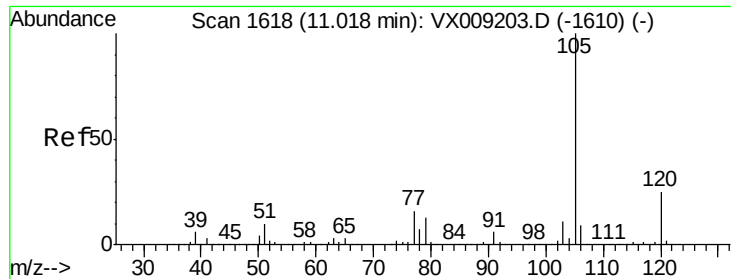
Tot Ion:173 Resp: 27283
Ion Ratio Lower Upper
173 100
175 49.0 24.5 73.5
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion:152 Resp: 115882
Ion Ratio Lower Upper
152 100
115 68.1 41.2 123.6
150 162.4 0.0 346.4





#73

Isopropylbenzene

Concen: 20.163 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

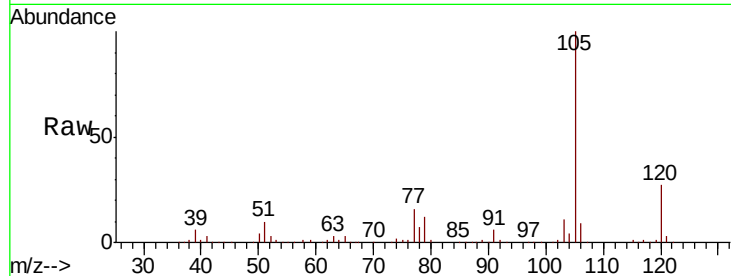
VX0516WBS01

Tot Ion:105 Resp: 169912

Ion Ratio Lower Upper

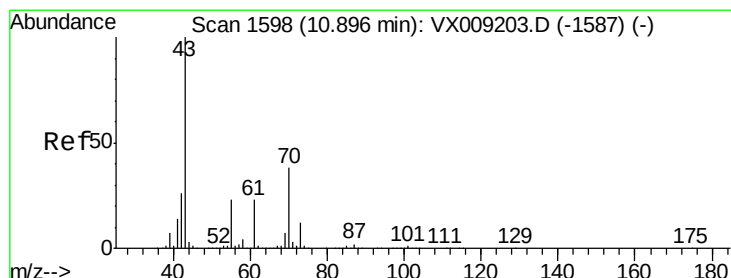
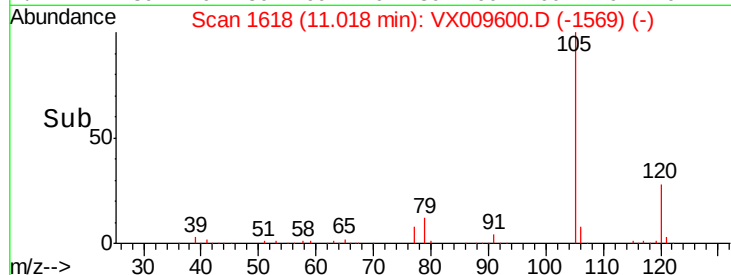
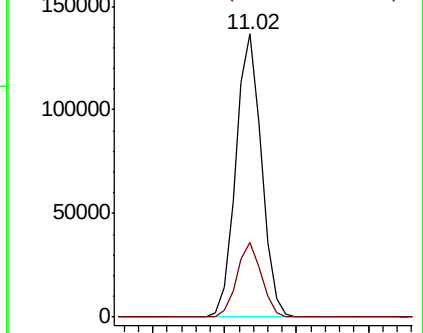
105 100

120 25.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.154 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion: 43 Resp: 99013

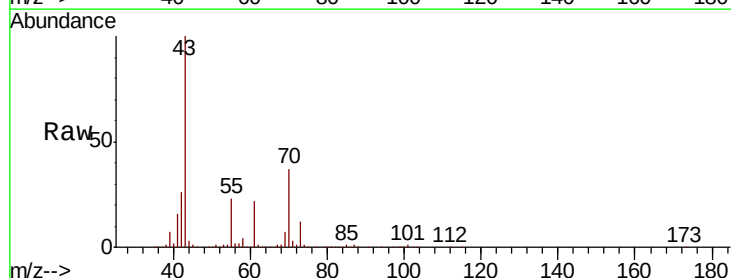
Ion Ratio Lower Upper

43 100

70 37.2 30.0 45.0

55 23.8 17.9 26.9

61 22.3 18.4 27.6

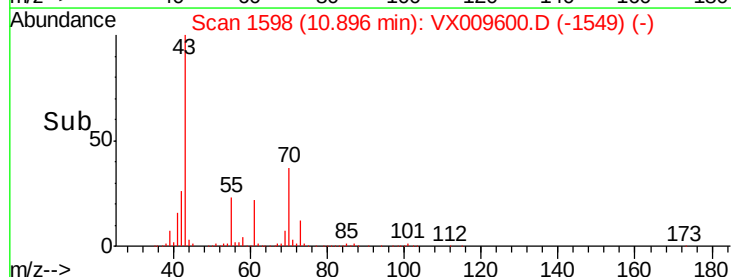
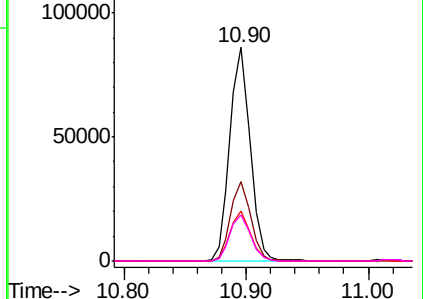


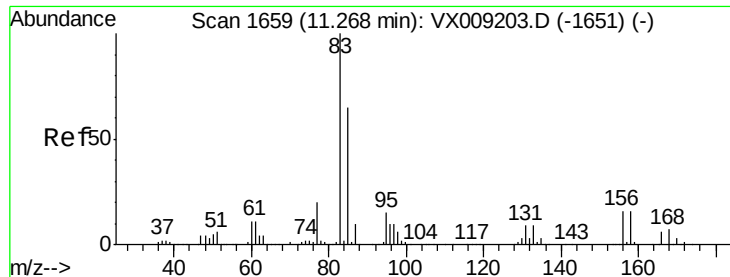
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.488 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

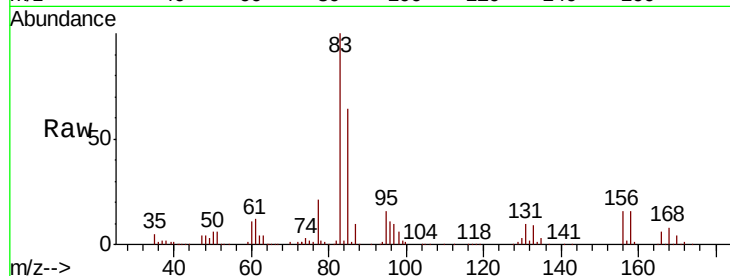
Tot Ion: 83 Resp: 64361

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

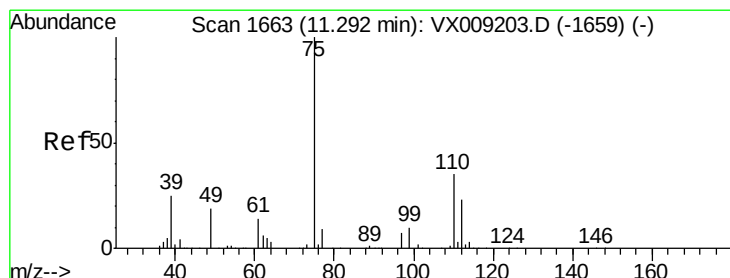
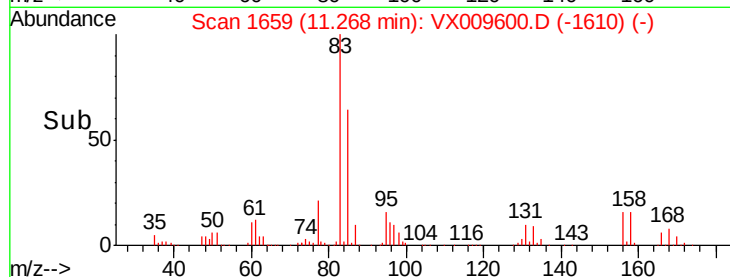
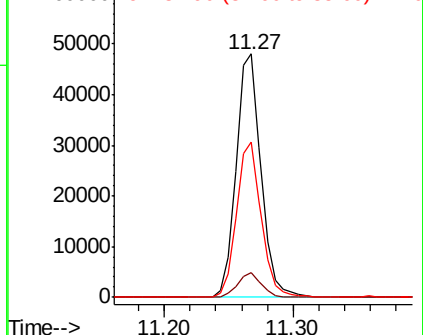
85 63.6 32.0 96.2



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: 26.950 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009600.D

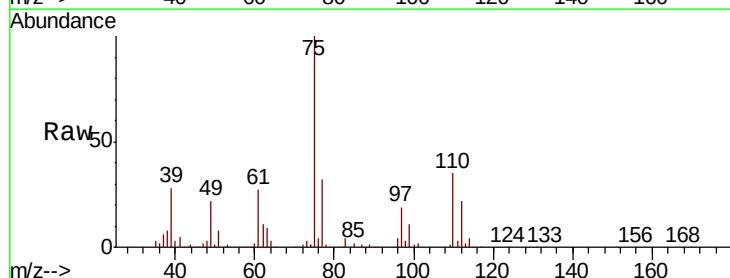
Acq: 16 May 2019 12:27

Tgt Ion: 75 Resp: 72444

Ion Ratio Lower Upper

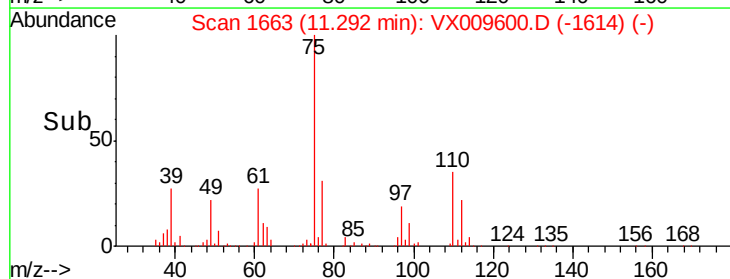
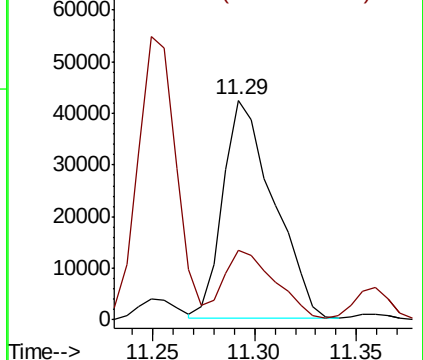
75 100

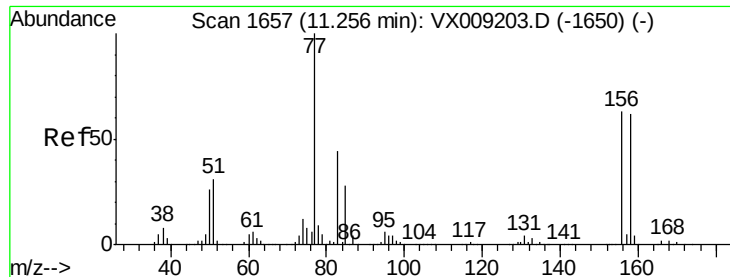
77 33.0 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.196 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

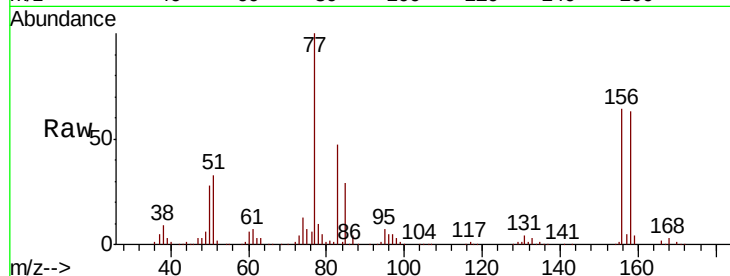
Tot Ion:156 Resp: 42241

Ion Ratio Lower Upper

156 100

77 169.2 84.8 254.3

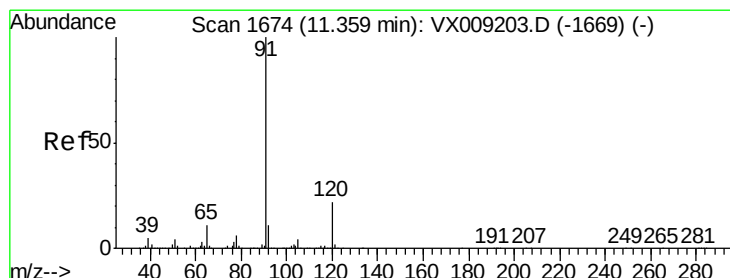
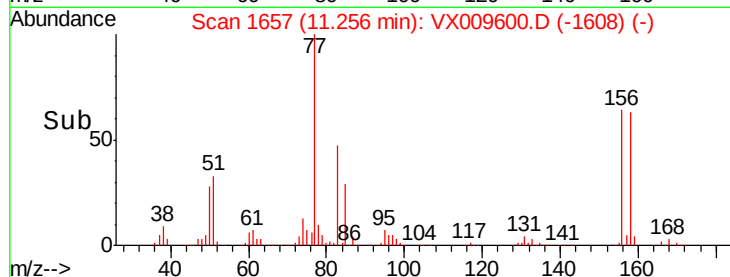
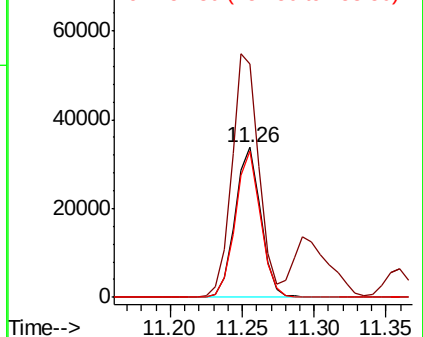
158 96.4 49.1 147.3



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: 20.230 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009600.D

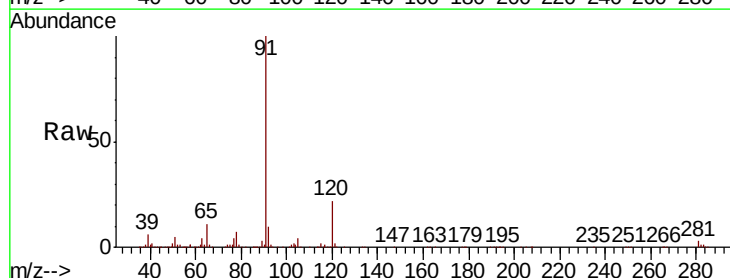
Acq: 16 May 2019 12:27

Tgt Ion: 91 Resp: 194687

Ion Ratio Lower Upper

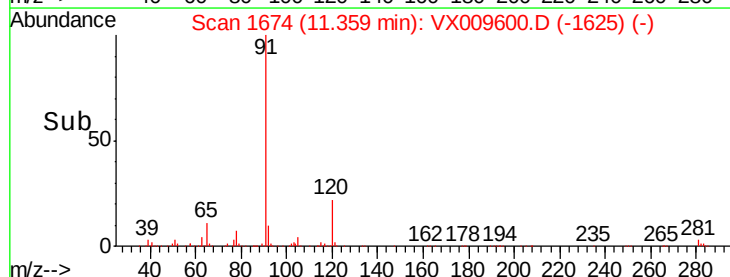
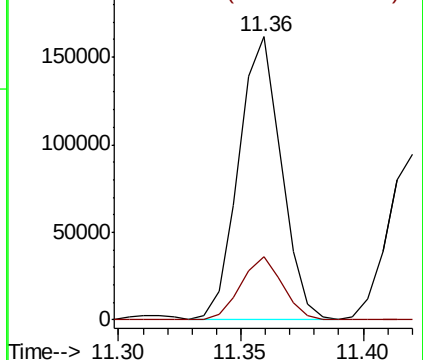
91 100

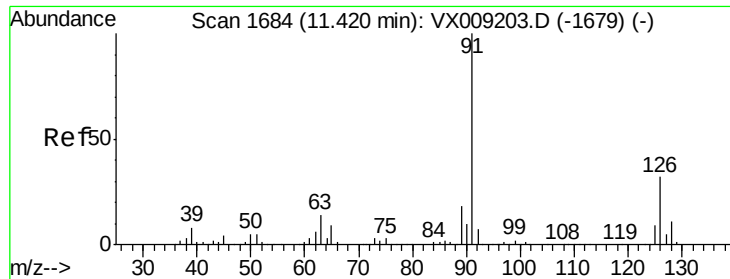
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

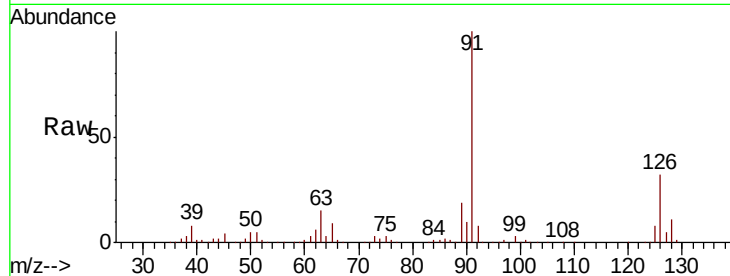




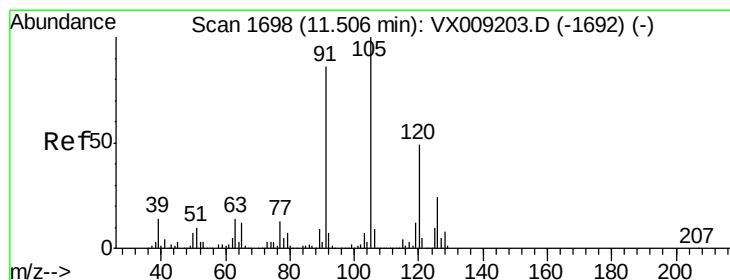
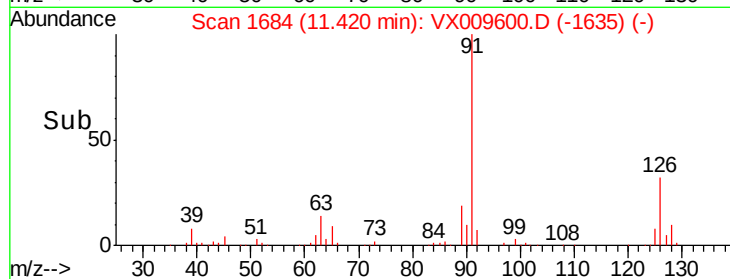
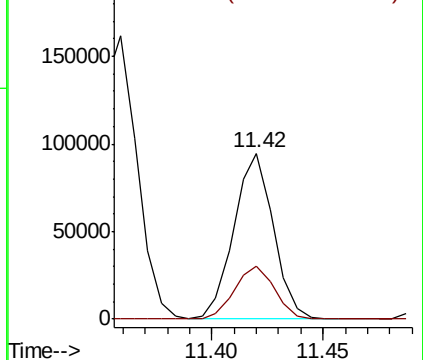
#79
 2-Chlorotoluene
 Concen: 19.593 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion: 91 Resp: 116334
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.3 48.9

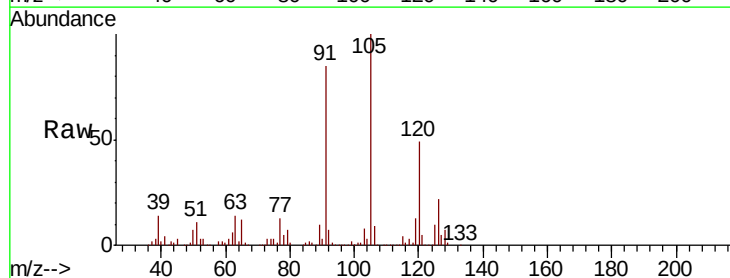


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

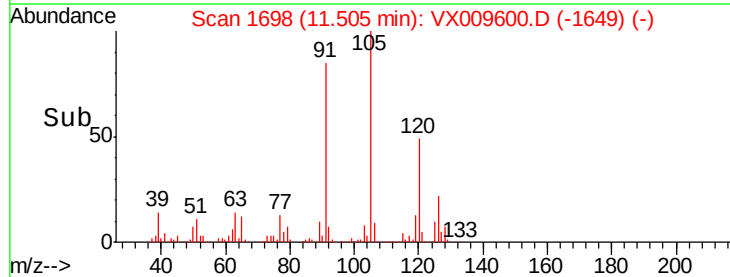
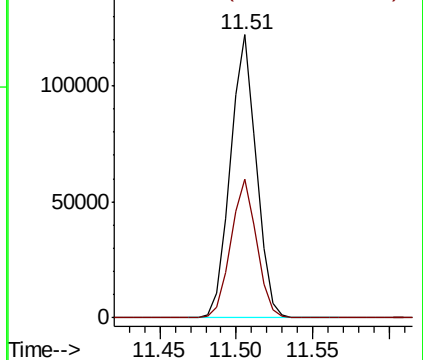


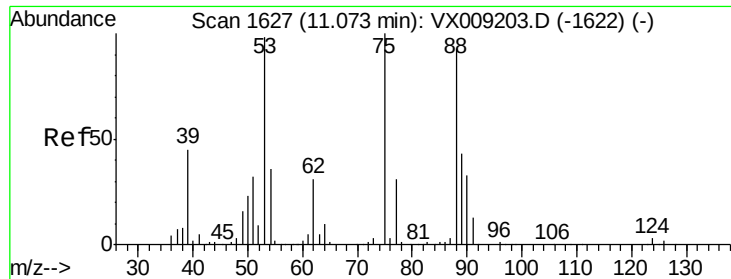
#80
 1,3,5-Trimethylbenzene
 Concen: 20.162 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion:105 Resp: 143060
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.9



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.649 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

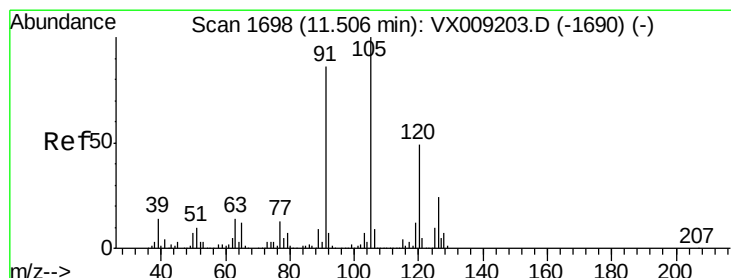
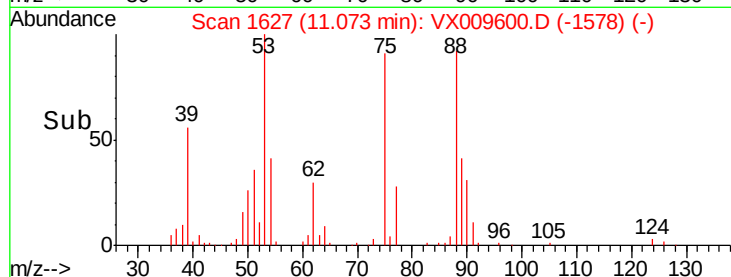
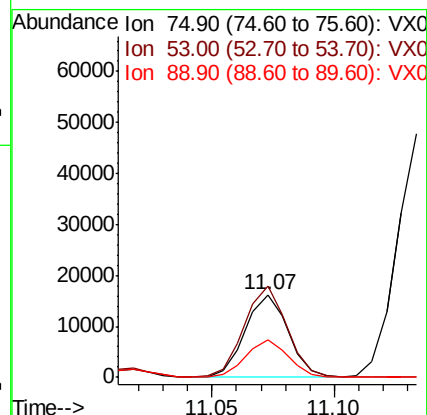
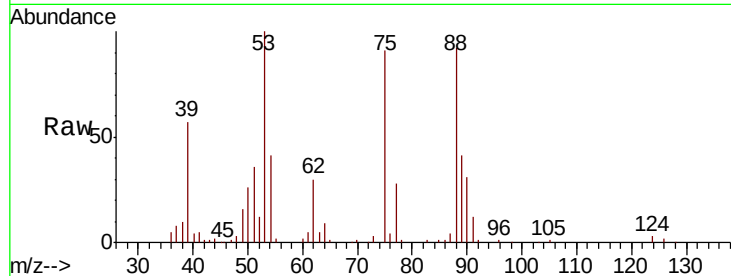
Tot Ion: 75 Resp: 19592

Ion Ratio Lower Upper

75 100

53 113.4 79.0 118.6

89 45.4 34.7 52.1



#82

4-Chlorotoluene

Concen: 19.963 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009600.D

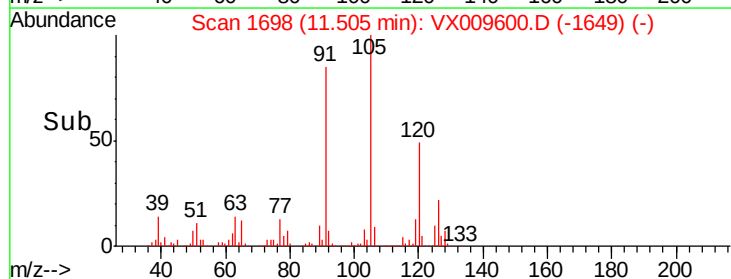
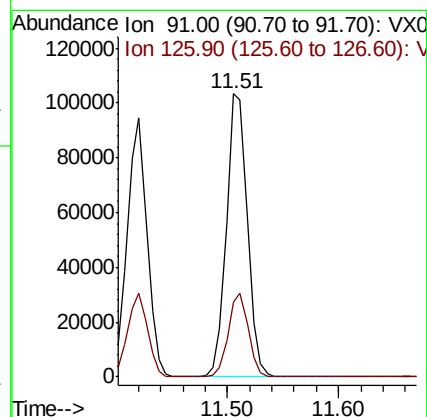
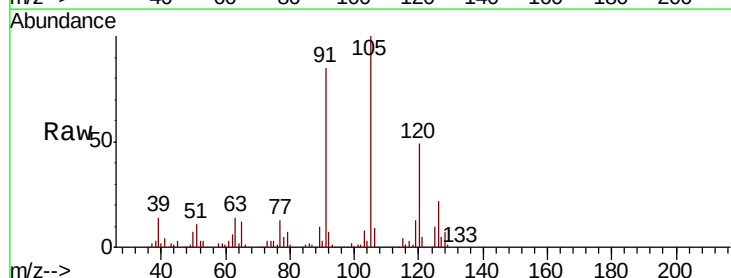
Acq: 16 May 2019 12:27

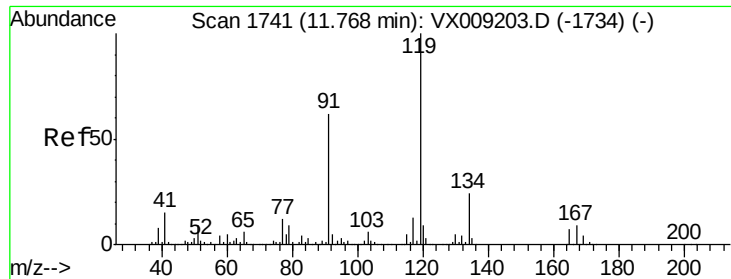
Tgt Ion: 91 Resp: 133903

Ion Ratio Lower Upper

91 100

126 28.5 14.5 43.6

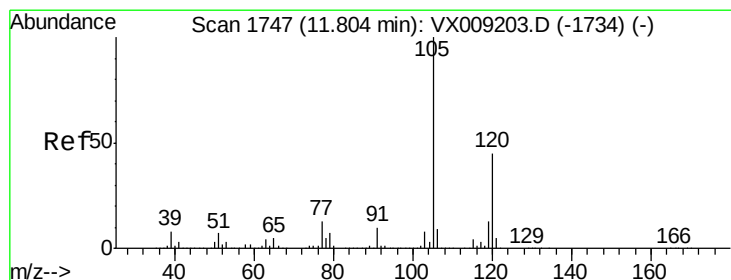
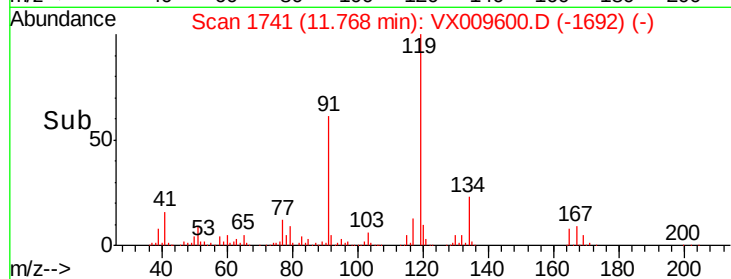
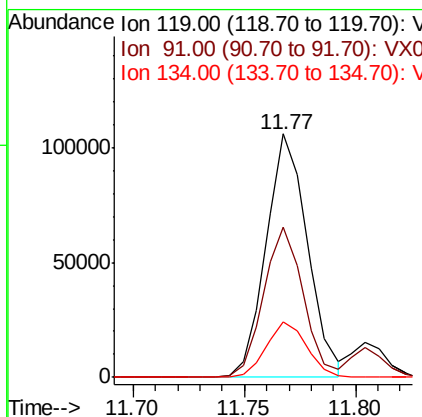
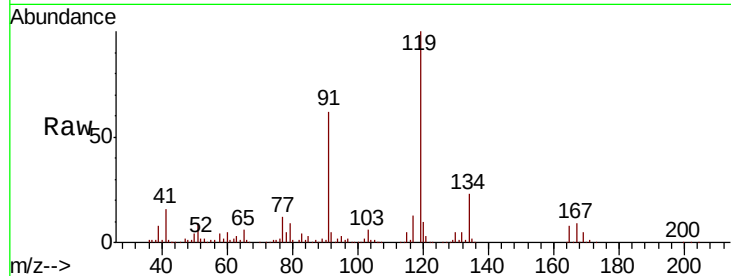




#83
 tert-Butylbenzene
 Concen: 19.895 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

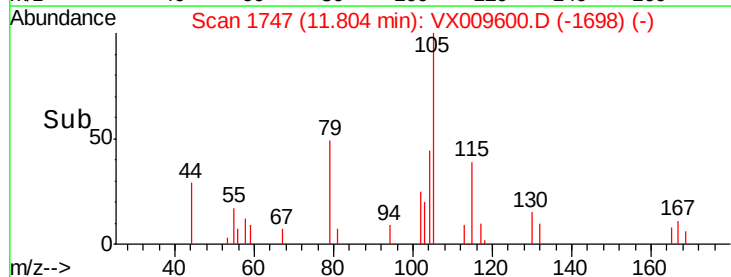
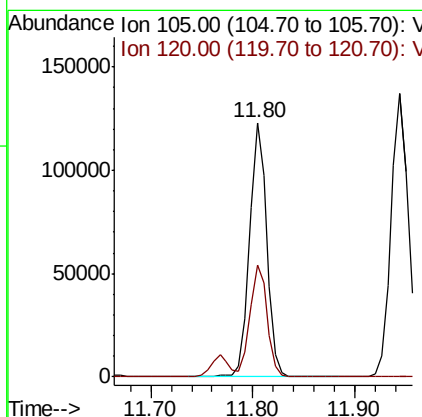
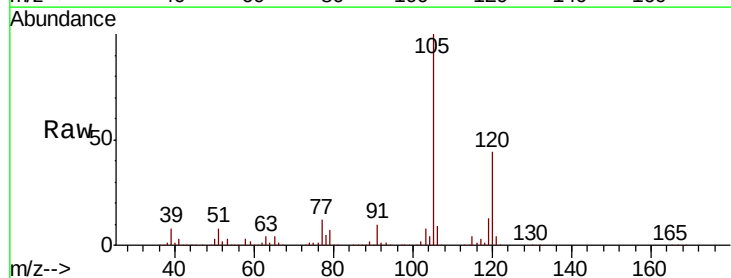
Instrument :
 MSVOA_X
 ClientSampled :
 VX0516WBS01

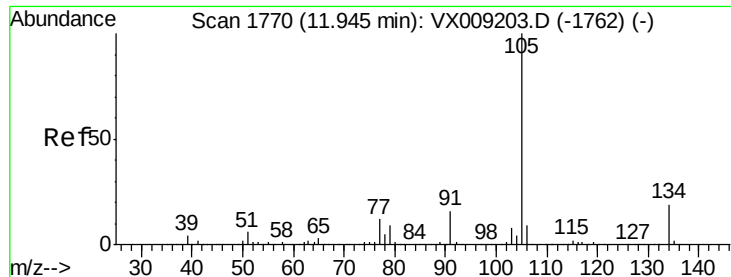
Tot Ion:119 Resp: 137324
 Ion Ratio Lower Upper
 119 100
 91 59.3 29.5 88.5
 134 22.5 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.358 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion:105 Resp: 144992
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.0 66.0

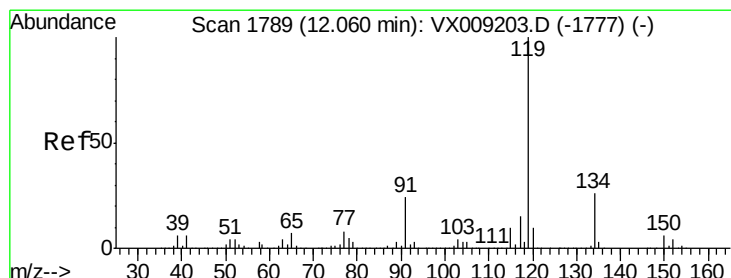
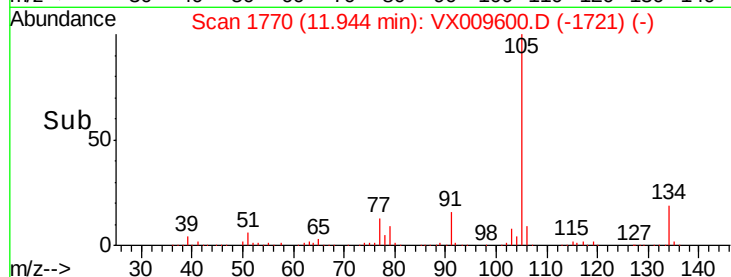
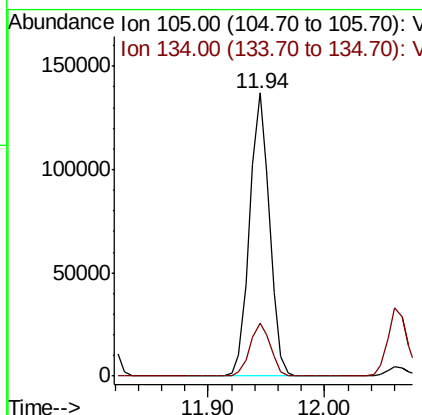
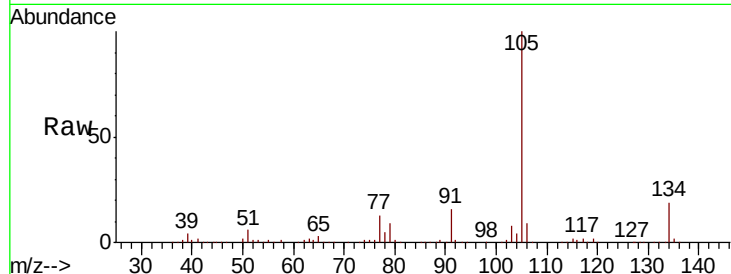




#85
 sec-Butylbenzene
 Concen: 20.022 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

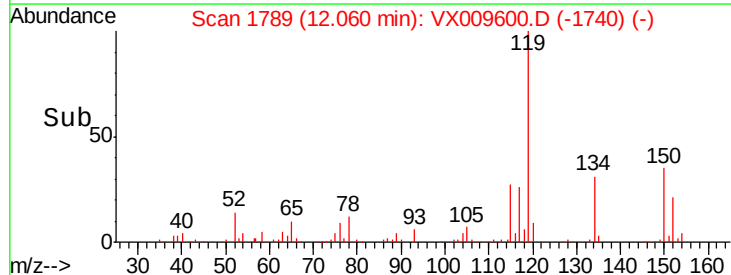
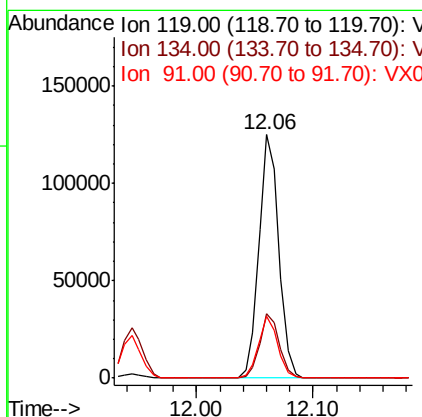
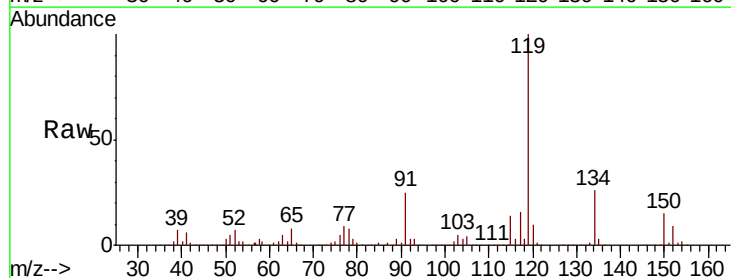
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0516WBS01

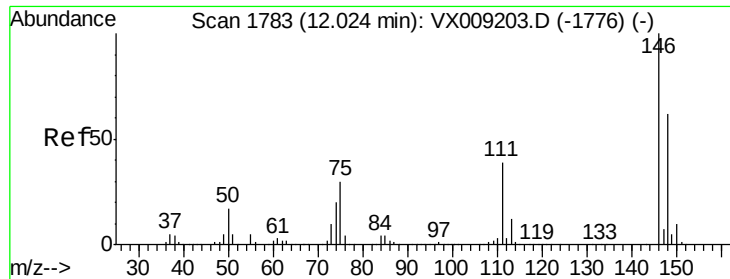
Tot Ion:105 Resp: 163847
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 20.188 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion:119 Resp: 148514
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 24.5 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 19.887 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

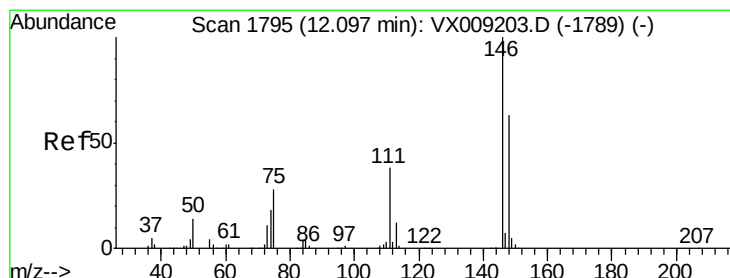
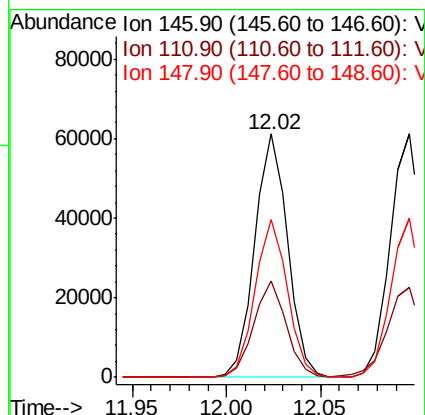
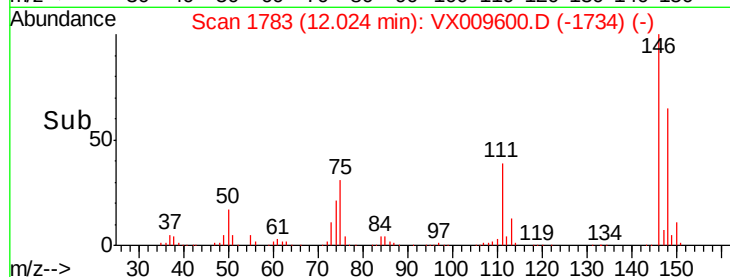
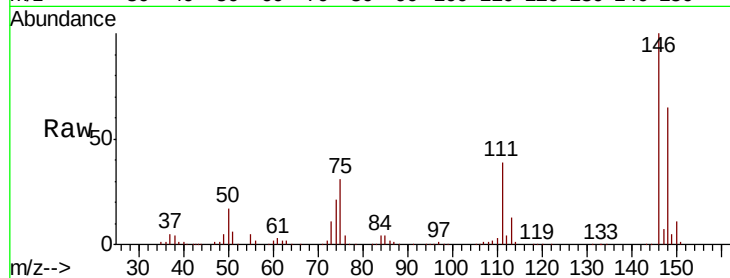
Tot Ion:146 Resp: 74152

Ion Ratio Lower Upper

146 100

111 39.2 20.0 59.9

148 64.0 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 20.018 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

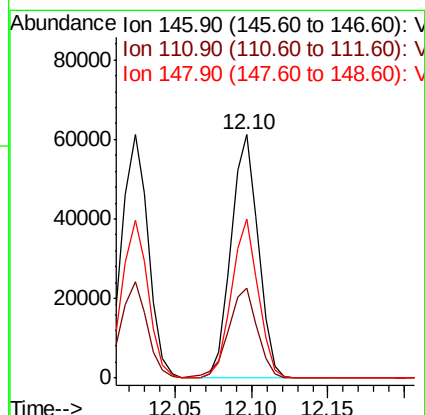
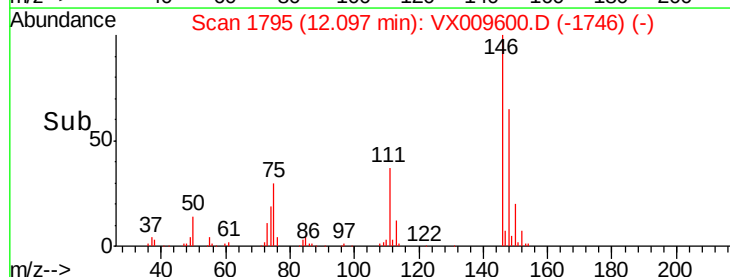
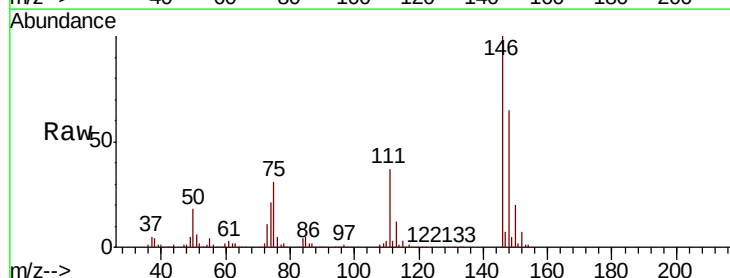
Tgt Ion:146 Resp: 75249

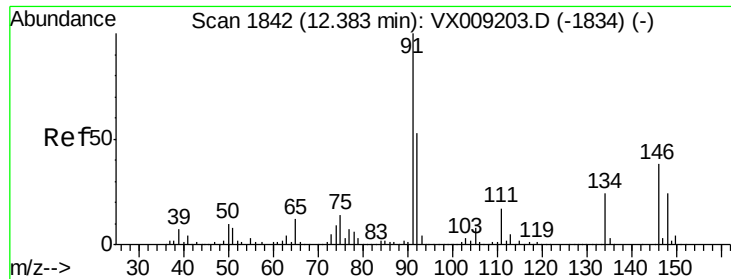
Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.8

148 63.9 31.8 95.3

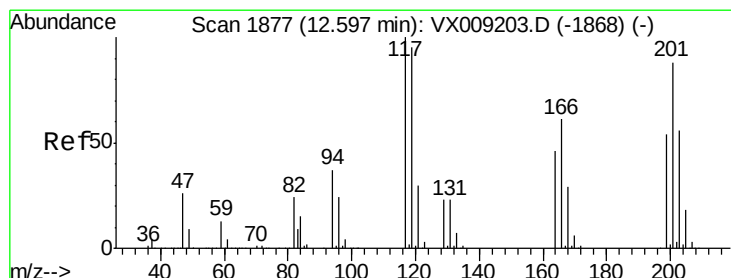
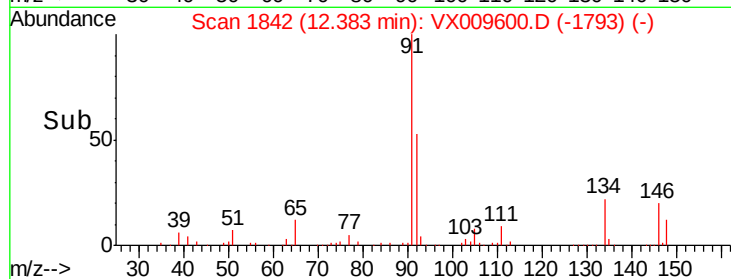
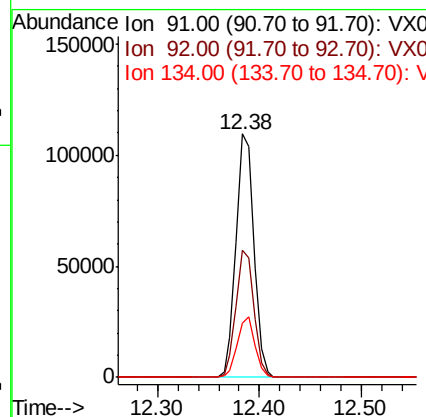
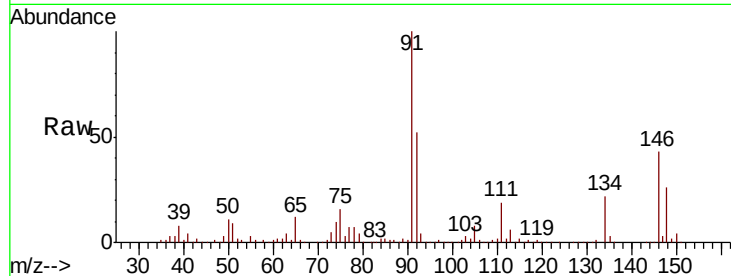




#89
n-Butylbenzene
Concen: 19.871 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

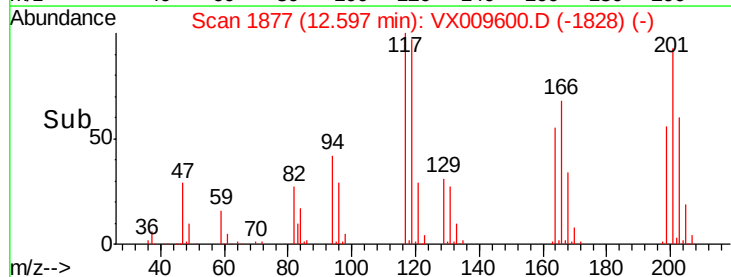
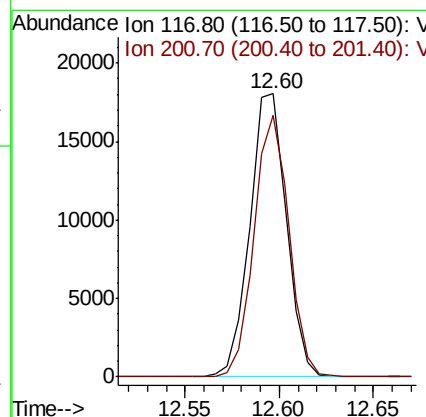
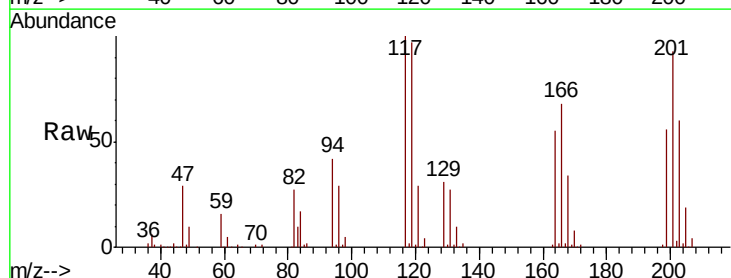
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

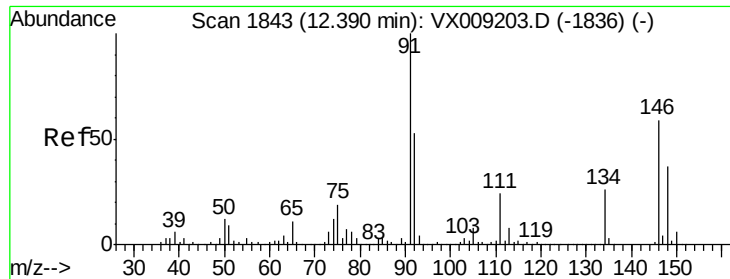
Tot Ion: 91 Resp: 132125
Ion Ratio Lower Upper
91 100
92 52.2 26.5 79.5
134 24.1 12.4 37.2



#90
Hexachloroethane
Concen: 19.350 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 117 Resp: 24252
Ion Ratio Lower Upper
117 100
201 87.9 42.3 126.9

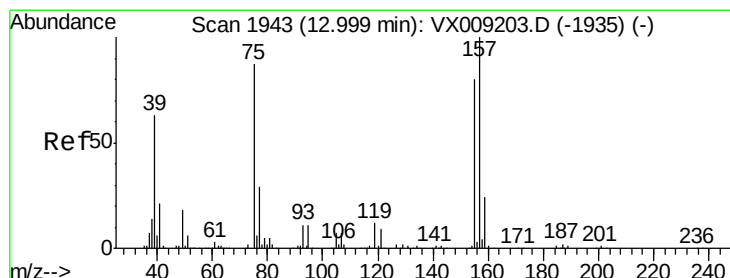
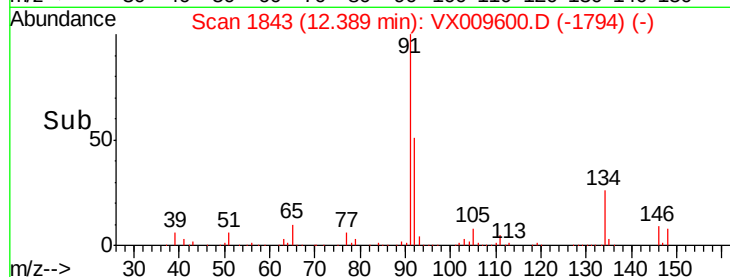
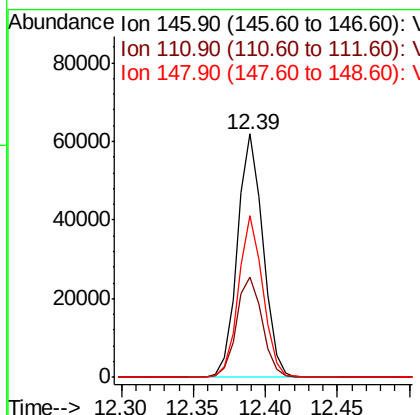
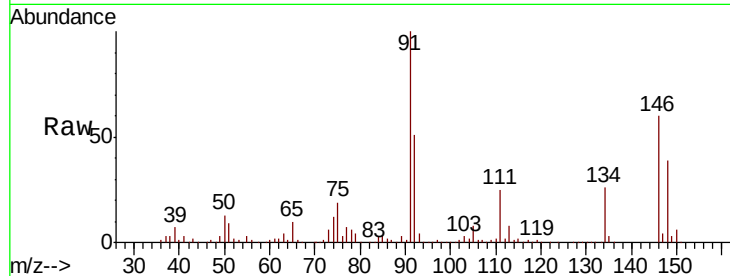




#91
 1,2-Dichlorobenzene
 Concen: 20.114 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

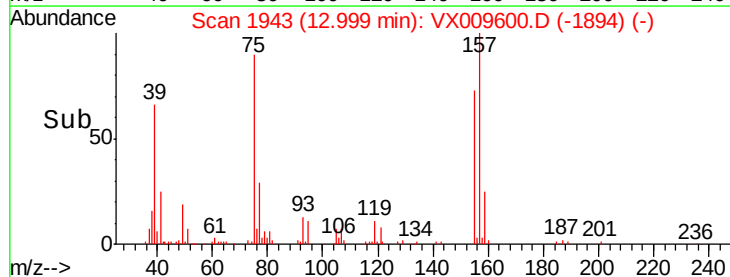
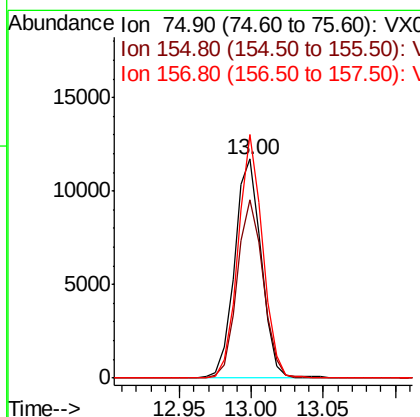
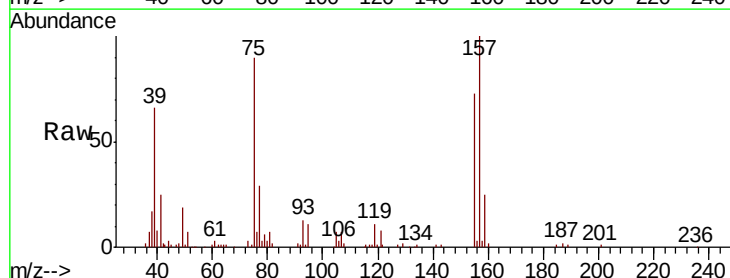
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

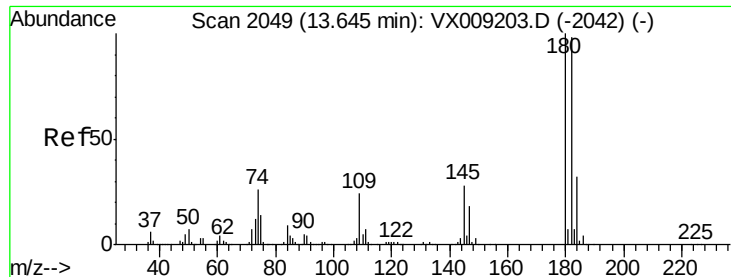
Tot Ion:146 Resp: 76386
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.4
 148 63.4 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.422 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion: 75 Resp: 15096
 Ion Ratio Lower Upper
 75 100
 155 79.5 42.0 126.0
 157 101.8 53.2 159.6

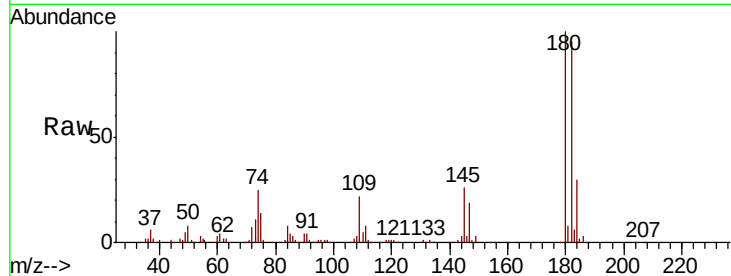




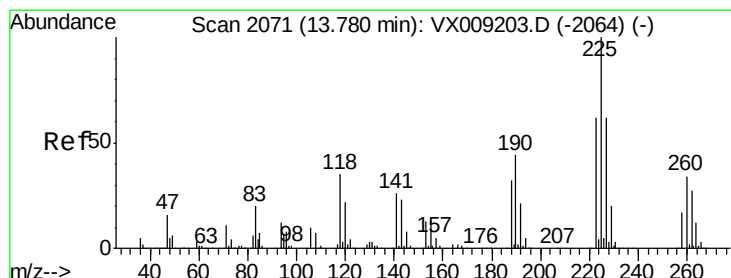
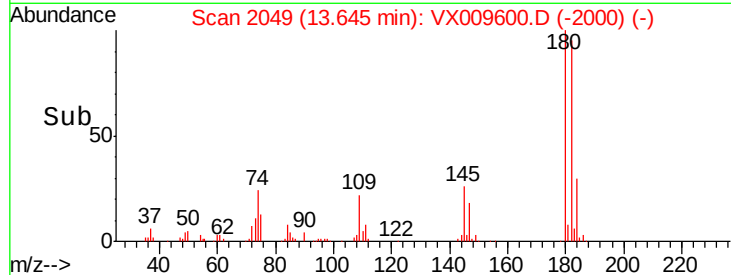
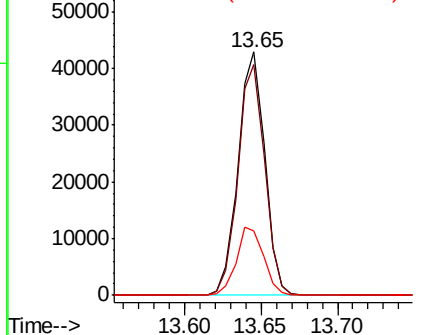
#93
 1,2,4-Trichlorobenzene
 Concen: 20.003 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion:180 Resp: 51949
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.4 145.2
 145 28.5 14.6 43.8

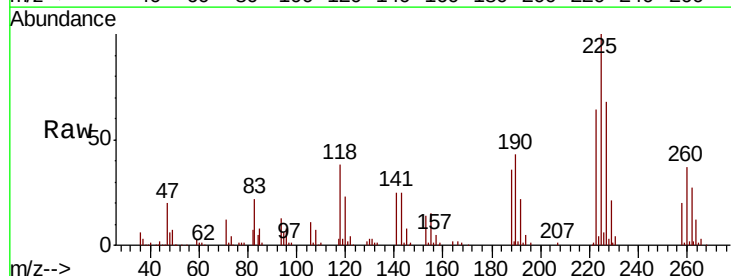


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

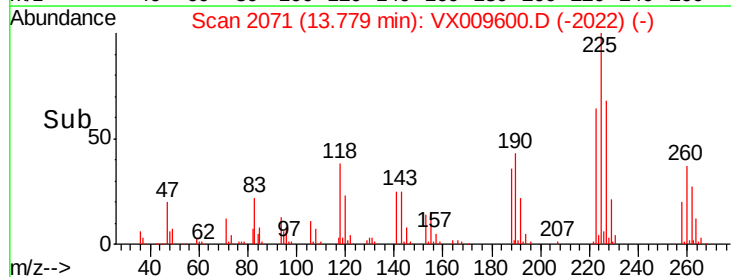
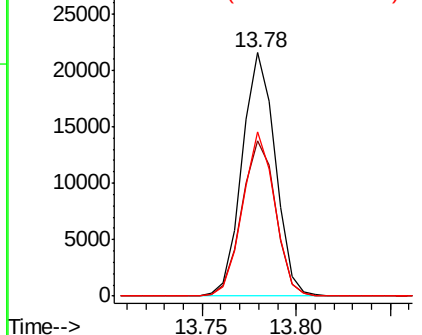


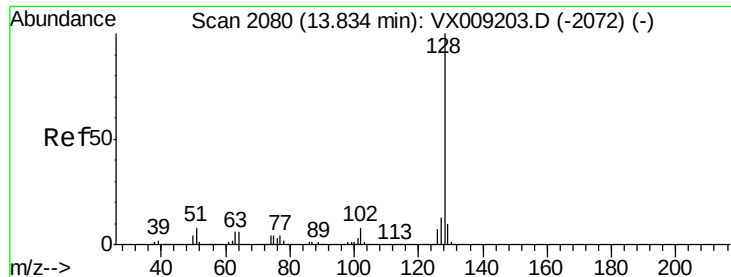
#94
 Hexachlorobutadiene
 Concen: 19.824 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion:225 Resp: 26291
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.3 93.8
 227 65.5 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

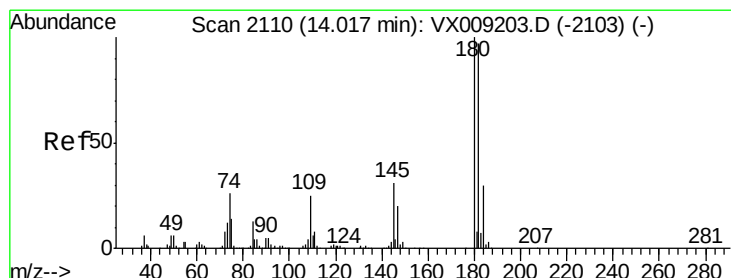
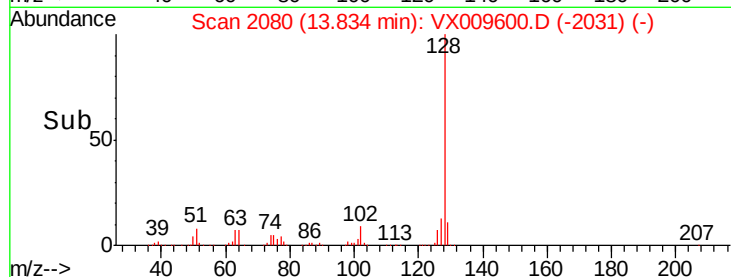
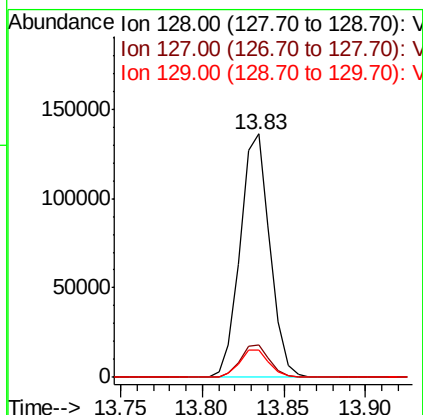
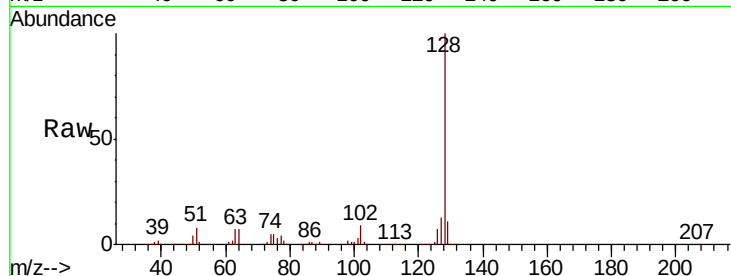




#95
Naphthalene
Concen: 20.431 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion:128 Resp: 172629
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.685 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion:180 Resp: 54453
Ion Ratio Lower Upper
180 100
182 95.8 47.8 143.4
145 30.8 15.4 46.4

