

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009815.D
 Acq On : 22 May 2019 19:27
 Operator : JC/SP
 Sample : K2977-14MSD 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 07:19:28 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	164461	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124056	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110757	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	78644	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	8.71	98	320833	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.13	95	118548	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	63025	41.586	ug/l	99
3) Chloromethane	1.32	50	98496	47.603	ug/l	98
4) Vinyl Chloride	1.41	62	94006	46.592	ug/l	99
5) Bromomethane	1.64	94	62214	51.374	ug/l	98
6) Chloroethane	1.71	64	60248	46.509	ug/l	99
7) Trichlorofluoromethane	1.92	101	114712	46.773	ug/l	97
8) Diethyl Ether	2.19	74	55551	47.818	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67371	43.744	ug/l	99
10) Methyl Iodide	2.51	142	87768	49.135	ug/l	98
11) Tert butyl alcohol	3.05	59	130149	250.439	ug/l	99
12) 1,1-Dichloroethene	2.37	96	70817	45.892	ug/l	95
13) Acrolein	2.29	56	104721	222.507	ug/l	100
14) Allyl chloride	2.73	41	178934	47.581	ug/l	98
15) Acrylonitrile	3.14	53	312491	245.927	ug/l	99
16) Acetone	2.45	43	265538	220.268	ug/l	96
17) Carbon Disulfide	2.57	76	209587	48.376	ug/l	99
18) Methyl Acetate	2.78	43	135172	47.148	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	288114	48.081	ug/l	99
20) Methylene Chloride	2.85	84	89477	45.841	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	78030	46.626	ug/l	94
22) Diisopropyl ether	3.85	45	355030	49.091	ug/l	95
23) Vinyl Acetate	3.81	43	1630347	263.261	ug/l	99
24) 1,1-Dichloroethane	3.70	63	168223	47.152	ug/l	98
25) 2-Butanone	4.68	43	466046	248.777	ug/l	96
26) 2,2-Dichloropropane	4.59	77	115279	43.411	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	93799	46.957	ug/l	98
28) Bromochloromethane	5.01	49	84962	59.691	ug/l	96
29) Tetrahydrofuran	5.13	42	312314	259.076	ug/l	98
30) Chloroform	5.21	83	154059	47.745	ug/l	99
31) Cyclohexane	5.58	56	157525	47.458	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	124523	46.358	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114921	46.040	ug/l	99
37) Ethyl Acetate	4.84	43	177416	51.013	ug/l	98
38) Carbon Tetrachloride	5.79	117	104370	46.021	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	141900	46.290	ug/l	99
40) Benzene	6.14	78	364321	47.161	ug/l	98
41) Methacrylonitrile	5.04	41	101378	48.969	ug/l	99
42) 1,2-Dichloroethane	6.19	62	135423	48.870	ug/l	99
43) Isopropyl Acetate	6.45	43	281552	50.612	ug/l	98
44) Trichloroethene	7.21	130	84163	45.066	ug/l	99
45) 1,2-Dichloropropane	7.51	63	104819	47.919	ug/l	99
46) Dibromomethane	7.66	93	60120	47.329	ug/l	100
47) Bromodichloromethane	7.90	83	120116	47.405	ug/l	100
48) Methyl methacrylate	7.77	41	142261	51.545	ug/l	98
49) 1,4-Dioxane	7.74	88	44166	789.085	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	941243	258.861	ug/l	98
52) Toluene	8.78	92	222945	47.477	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	141935	49.615	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	154082	48.662	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	90890	47.443	ug/l	95
56) Ethyl methacrylate	9.18	69	169964	49.700	ug/l	96
57) 1,3-Dichloropropane	9.37	76	161657	47.951	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	20968	11.558	ug/l	97
59) 2-Hexanone	9.49	43	724885	253.834	ug/l	97
60) Dibromochloromethane	9.58	129	90379	48.302	ug/l	98
61) 1,2-Dibromoethane	9.67	107	93484	48.341	ug/l	100
64) Tetrachloroethene	9.34	164	73391	42.824	ug/l	98
65) Chlorobenzene	10.13	112	230717	46.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	83304	45.974	ug/l	99
67) Ethyl Benzene	10.25	91	496525	53.981	ug/l	100
68) m/p-Xylenes	10.36	106	384554	114.407	ug/l	97
69) o-Xylene	10.69	106	172272	51.945	ug/l	98
70) Styrene	10.71	104	274110	47.554	ug/l	97
71) Bromoform	10.85	173	70238	47.700	ug/l #	99
73) Isopropylbenzene	11.02	105	495239	54.897	ug/l	100
74) N-amyl acetate	10.90	43	261821	49.781	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	154825	46.038	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	182261	63.337	ug/l	82
77) Bromobenzene	11.26	156	102161	45.626	ug/l	99
78) n-propylbenzene	11.36	91	682860	66.280	ug/l	100
79) 2-Chlorotoluene	11.42	91	315738	49.674	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	510463	67.202	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52619	46.786	ug/l	98
82) 4-Chlorotoluene	11.51	91	348976	48.599	ug/l	96
83) tert-Butylbenzene	11.77	119	357628	48.399	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1149647	150.786	ug/l	99
85) sec-Butylbenzene	11.94	105	446709	50.991	ug/l	97
86) p-Isopropyltoluene	12.06	119	385436	48.940	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	182821	45.801	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182510	45.352	ug/l	99
89) n-Butylbenzene	12.38	91	379554	53.321	ug/l	95
90) Hexachloroethane	12.59	117	68527	51.073	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	181504	44.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35742	47.377	ug/l	95

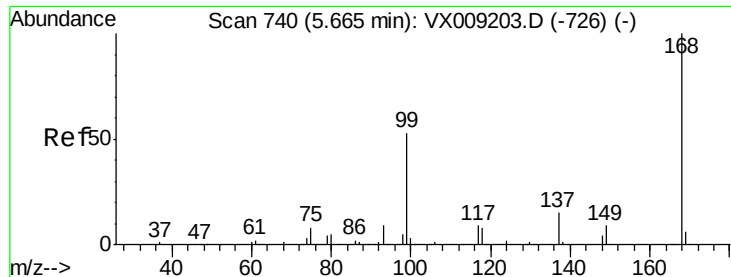
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052219\
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	129142	46.450	ug/l	98
94) Hexachlorobutadiene	13.78	225	63341	44.614	ug/l	99
95) Naphthalene	13.83	128	466324	51.555	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	129630	45.997	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

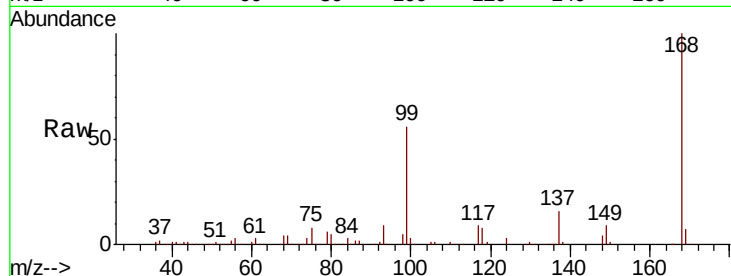
ClientSampleId :

Tot Ion:168 Resp: 164461

Ion Ratio Lower Upper

168 100

99 55.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

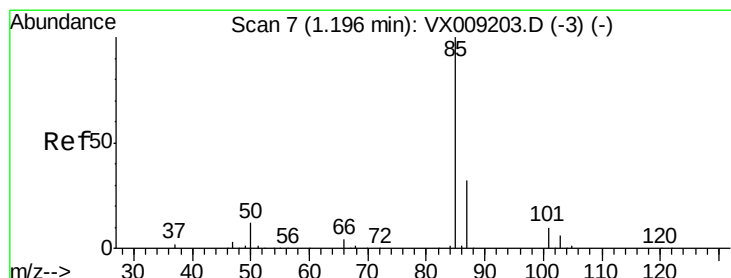
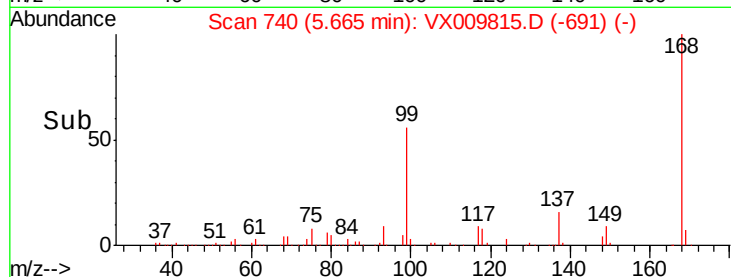
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.586 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009815.D

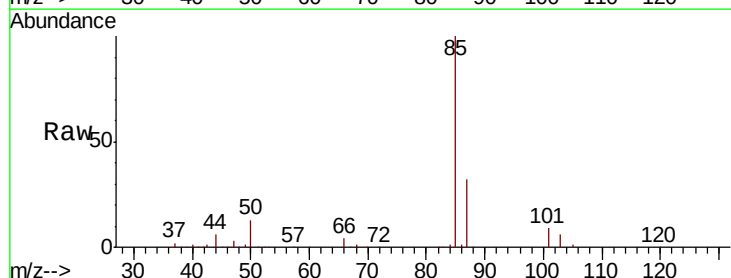
Acq: 22 May 2019 19:27

Tgt Ion: 85 Resp: 63025

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

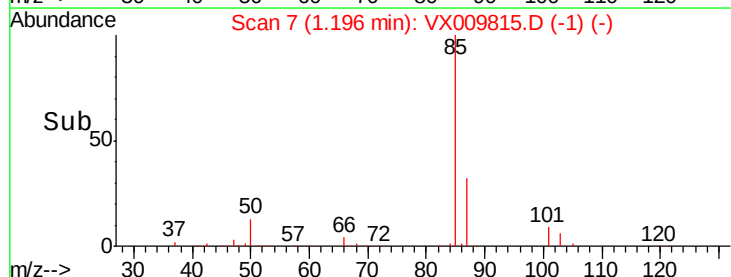
40000

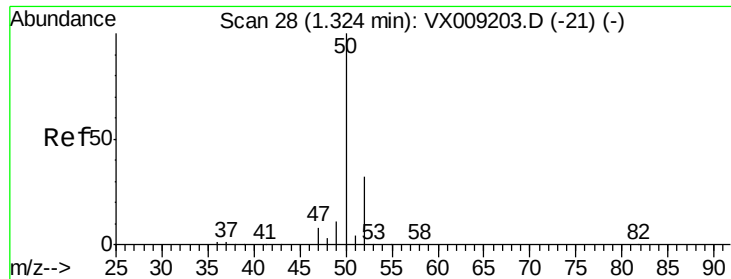
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.603 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

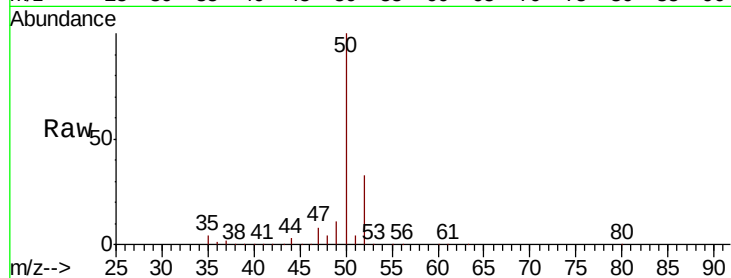
ClientSampleId :

Tot Ion: 50 Resp: 98496

Ion Ratio Lower Upper

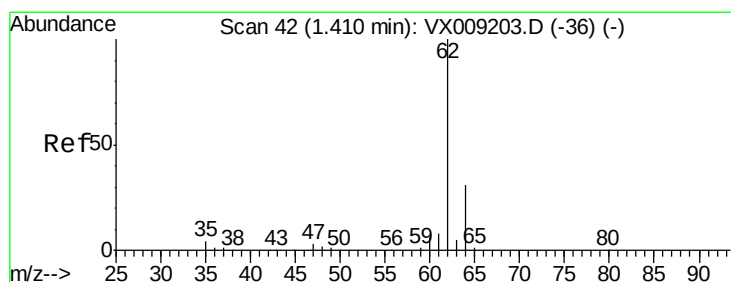
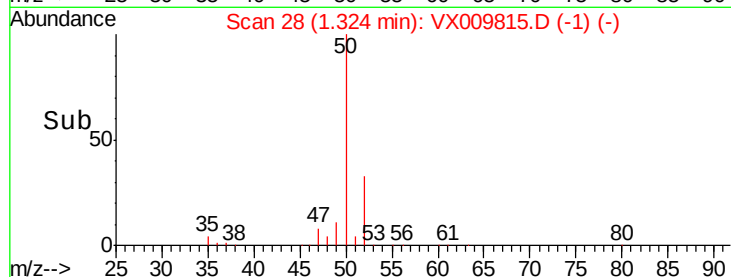
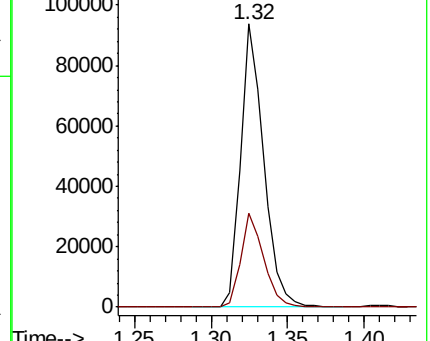
50 100

52 33.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.592 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009815.D

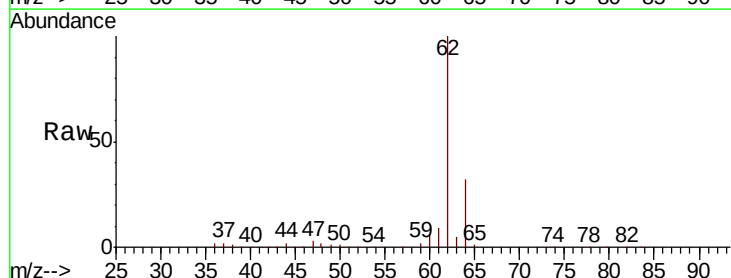
Acq: 22 May 2019 19:27

Tgt Ion: 62 Resp: 94006

Ion Ratio Lower Upper

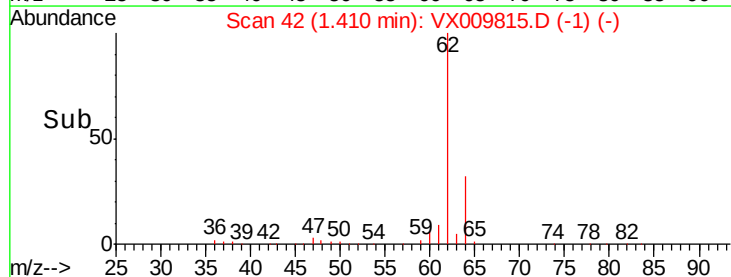
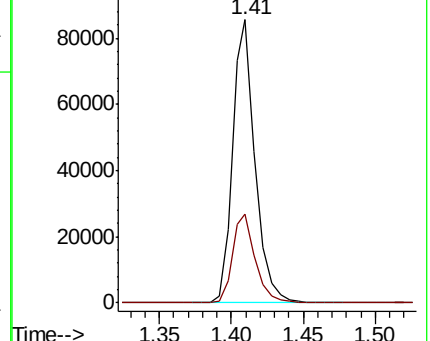
62 100

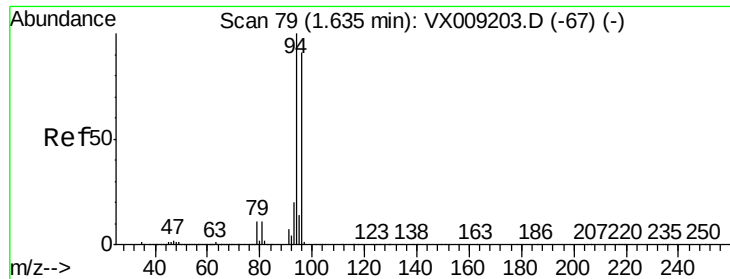
64 31.5 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.374 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

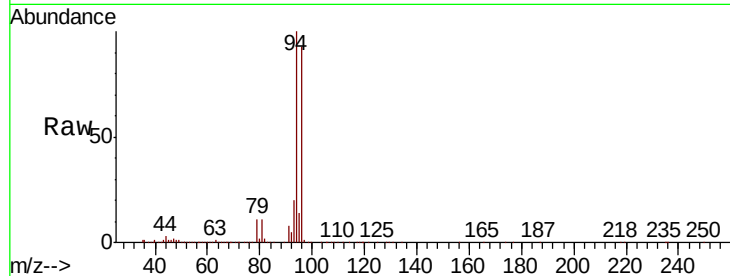
ClientSampleId :

Tot Ion: 94 Resp: 62214

Ion Ratio Lower Upper

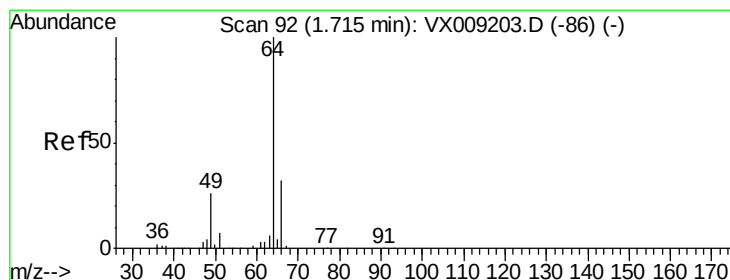
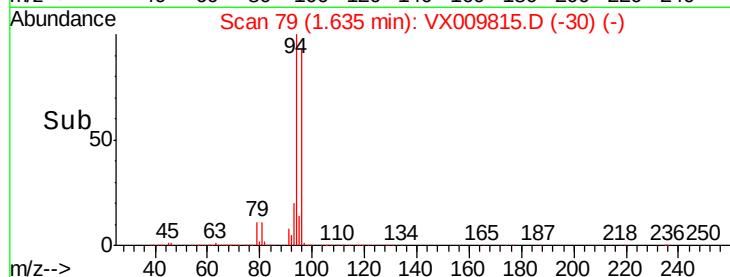
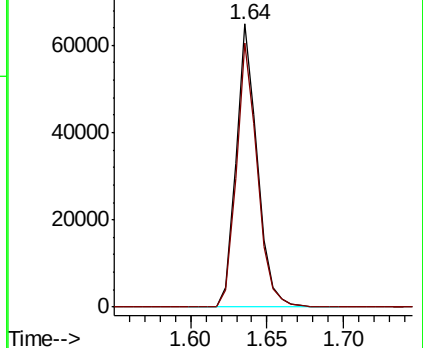
94 100

96 93.5 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.509 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009815.D

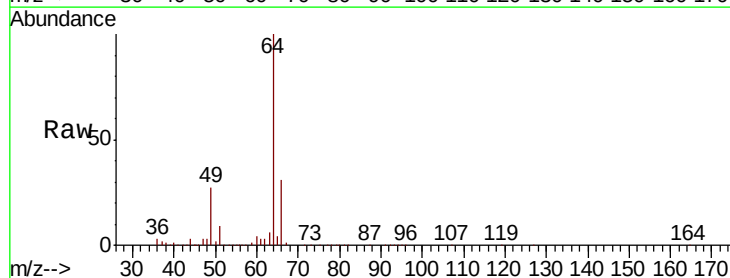
Acq: 22 May 2019 19:27

Tgt Ion: 64 Resp: 60248

Ion Ratio Lower Upper

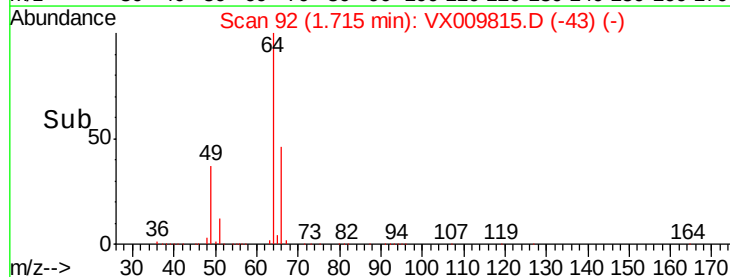
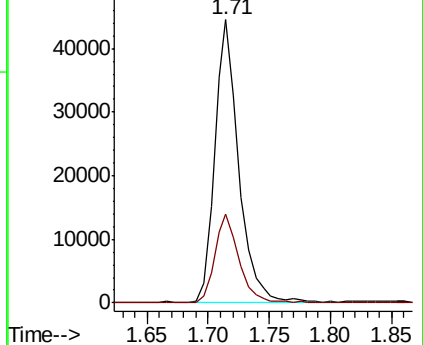
64 100

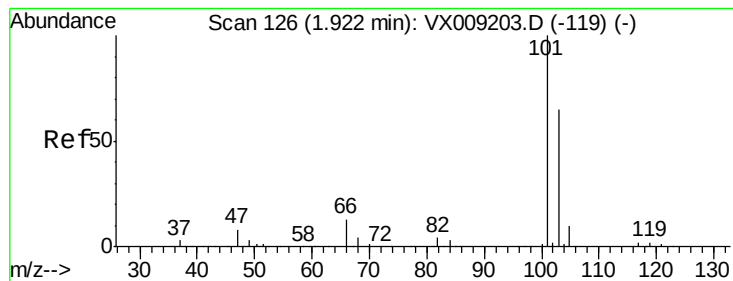
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



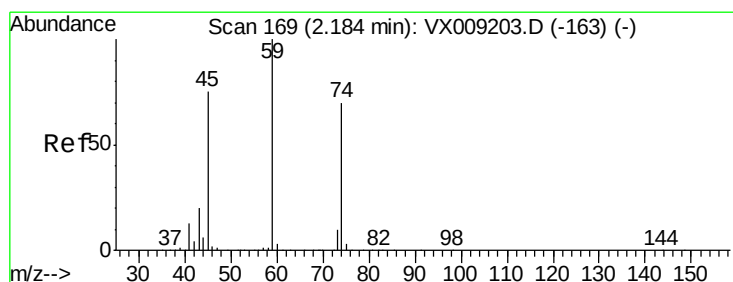
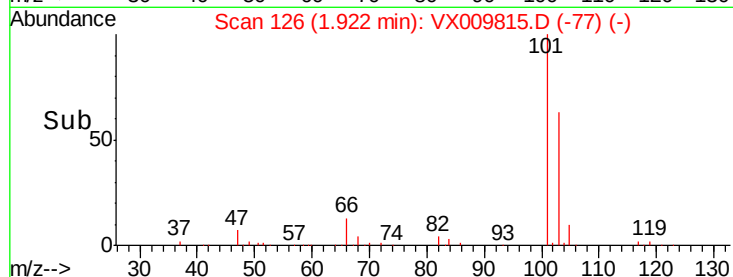
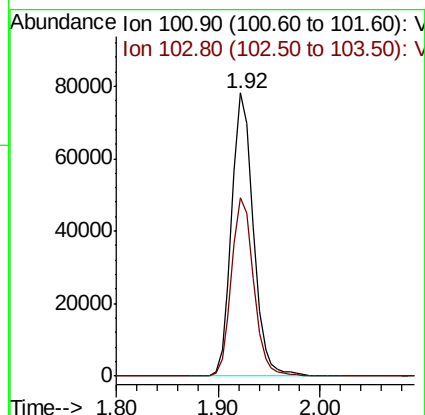
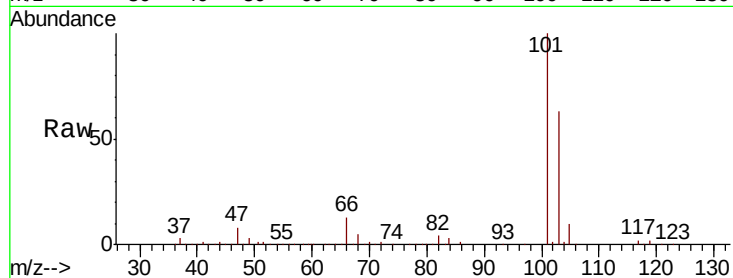


#7

Trichlorofluoromethane
 Concen: 46.773 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :

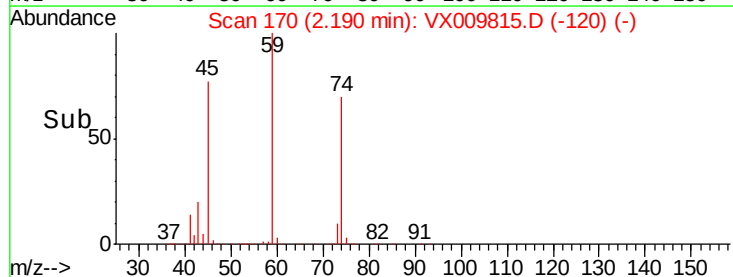
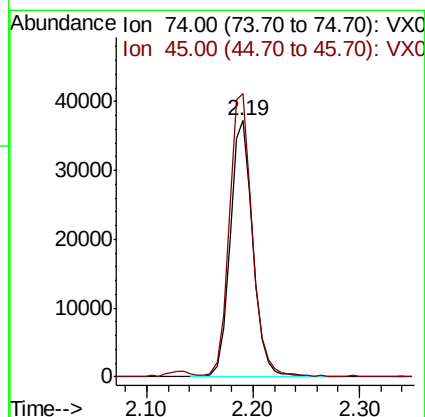
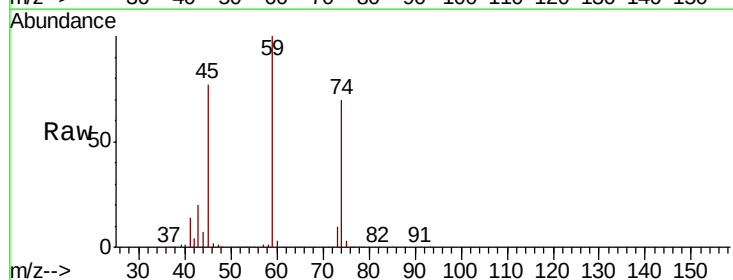
Tot Ion:101 Resp: 114712
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.4 78.6

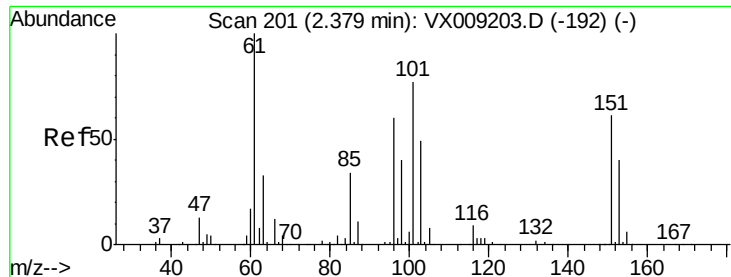


#8

Diethyl Ether
 Concen: 47.818 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion: 74 Resp: 55551
 Ion Ratio Lower Upper
 74 100
 45 111.1 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.744 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

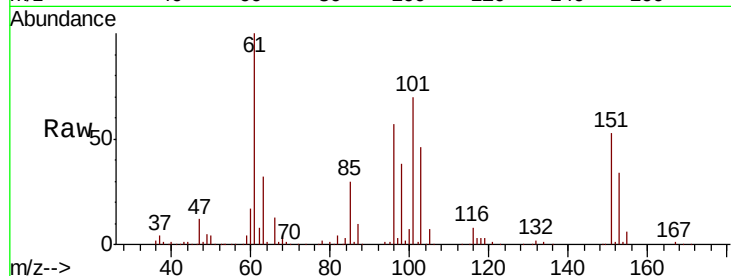
Tot Ion:101 Resp: 67371

Ion Ratio Lower Upper

101 100

85 45.1 35.7 53.5

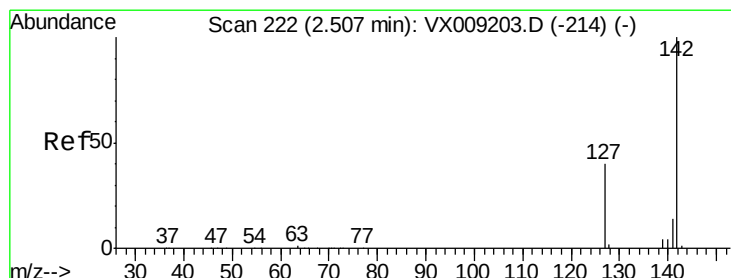
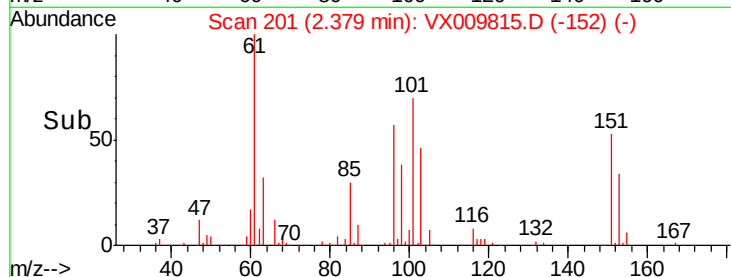
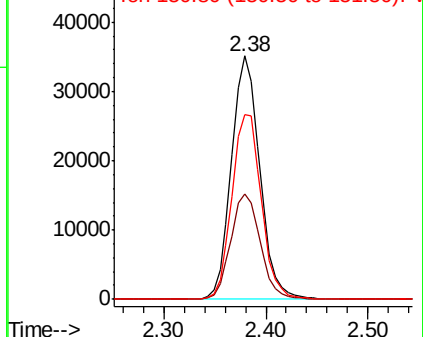
151 78.9 62.2 93.2



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: 49.135 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

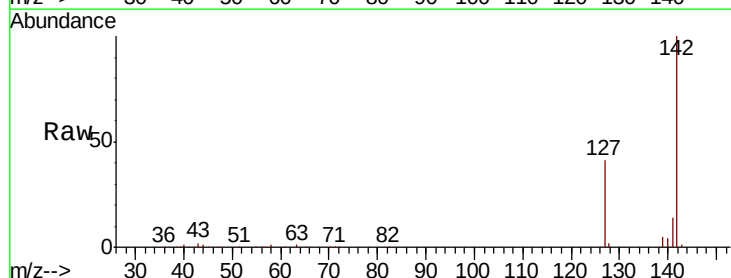
Tgt Ion:142 Resp: 87768

Ion Ratio Lower Upper

142 100

127 42.2 32.7 49.1

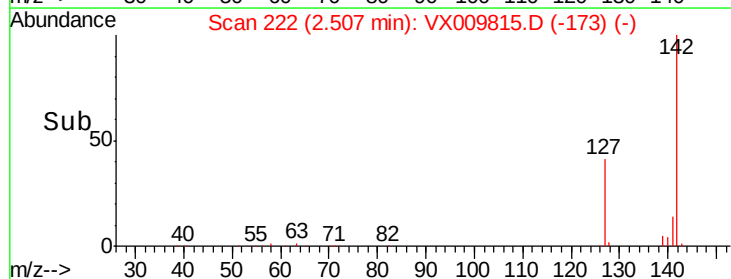
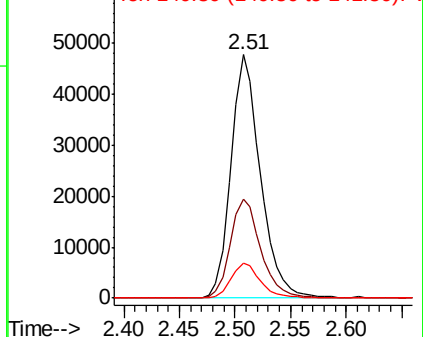
141 14.5 11.5 17.3

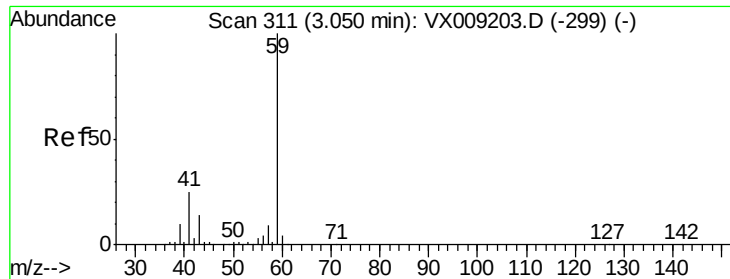


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

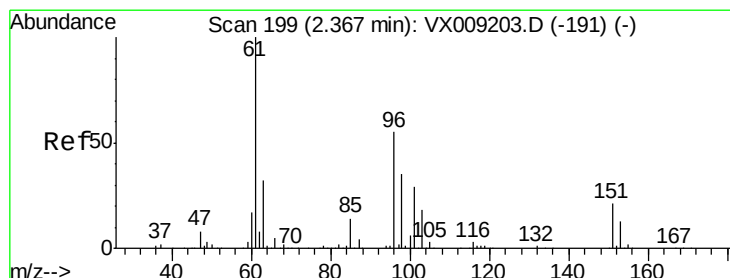
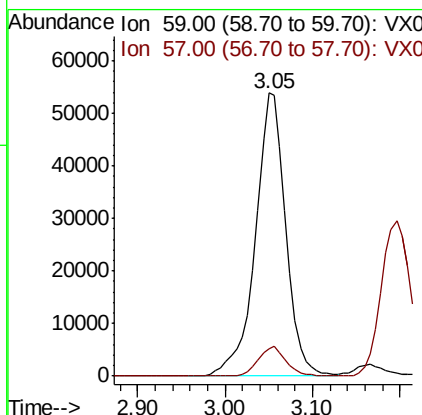
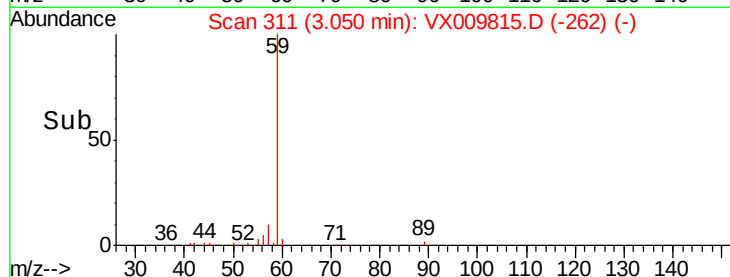
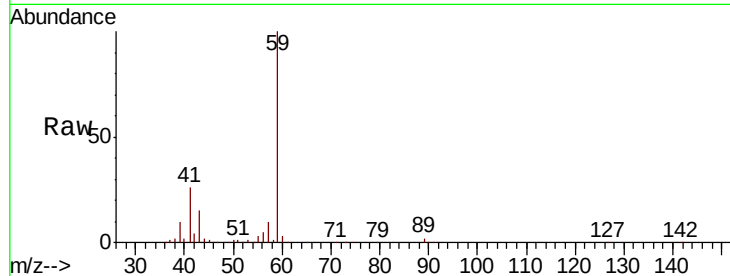




#11
Tert butyl alcohol
Concen: 250.439 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

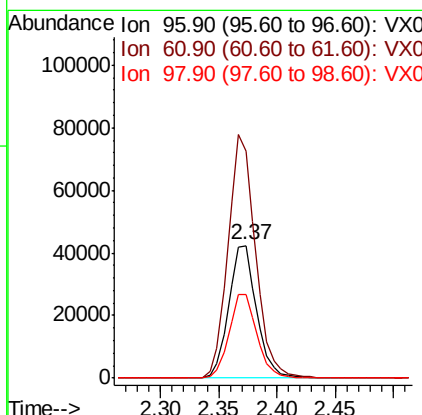
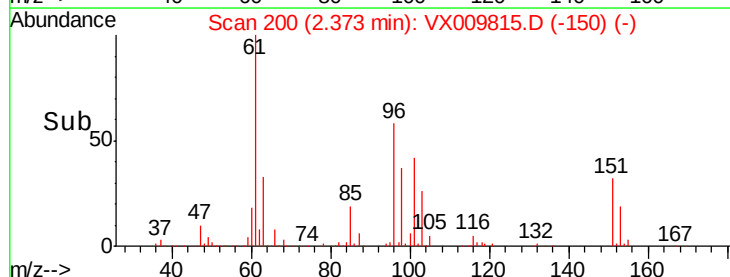
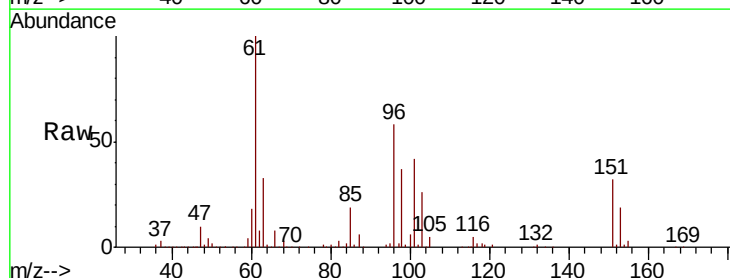
Instrument :
MSVOA_X
ClientSampleId :

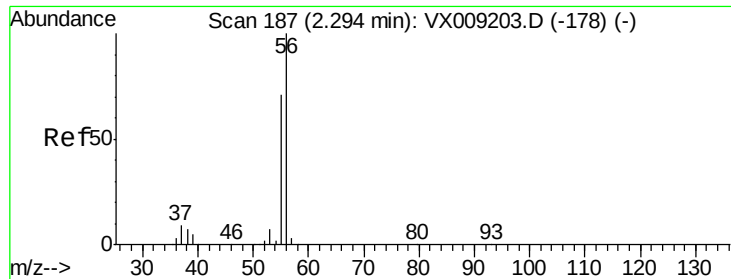
Tot Ion: 59 Resp: 130149
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.2



#12
1,1-Dichloroethene
Concen: 45.892 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion: 96 Resp: 70817
Ion Ratio Lower Upper
96 100
61 171.4 144.3 216.5
98 63.2 50.3 75.5





#13

Acrolein

Concen: 222.507 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

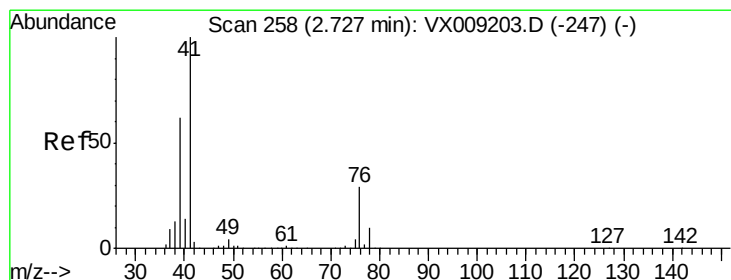
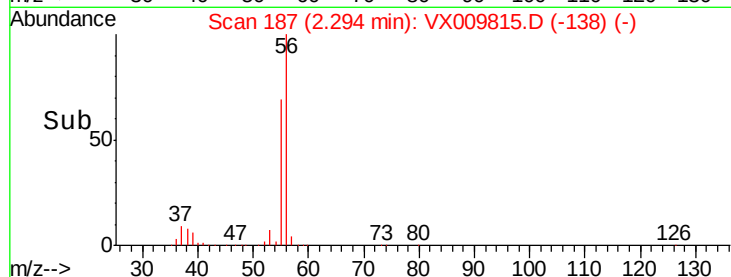
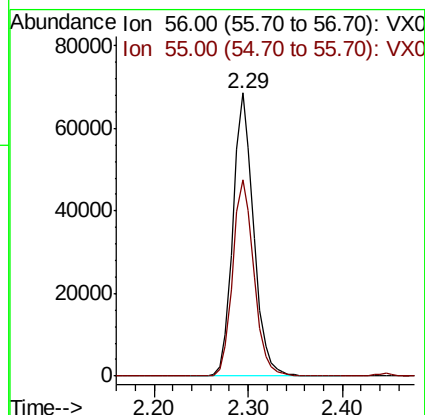
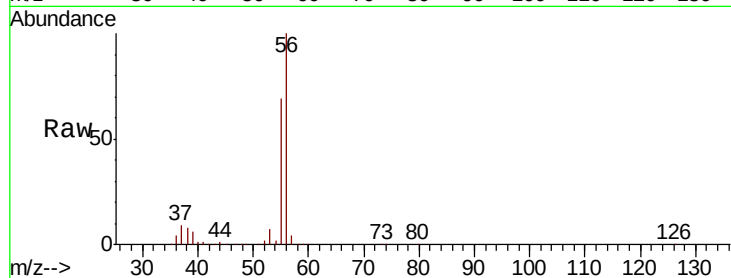
ClientSampleId :

Tot Ion: 56 Resp: 104721

Ion Ratio Lower Upper

56 100

55 71.0 56.6 85.0



#14

Allyl chloride

Concen: 47.581 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

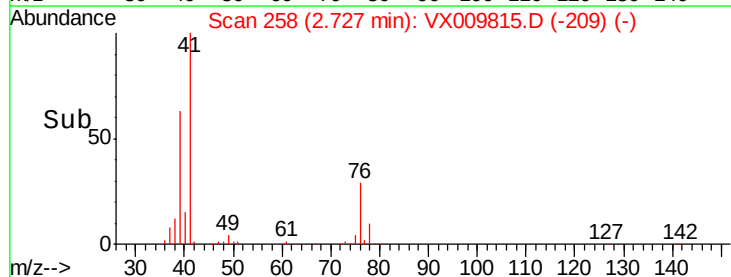
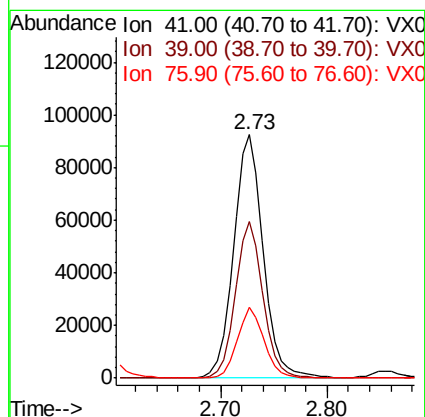
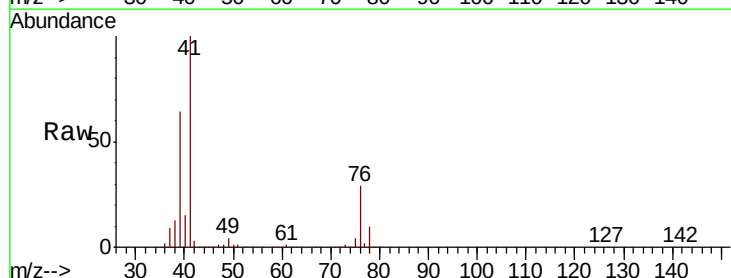
Tgt Ion: 41 Resp: 178934

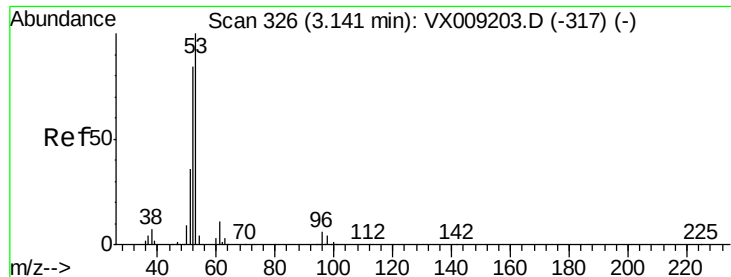
Ion Ratio Lower Upper

41 100

39 60.0 46.7 70.1

76 26.2 21.8 32.8





#15

Acrylonitrile

Concen: 245.927 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

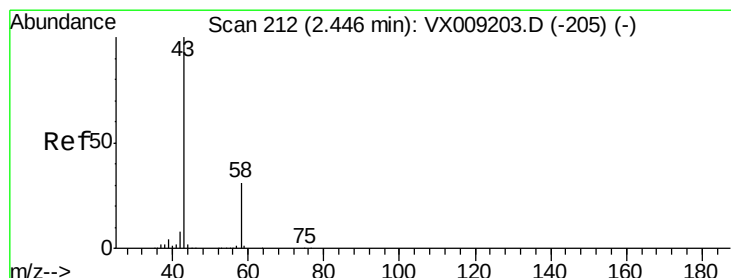
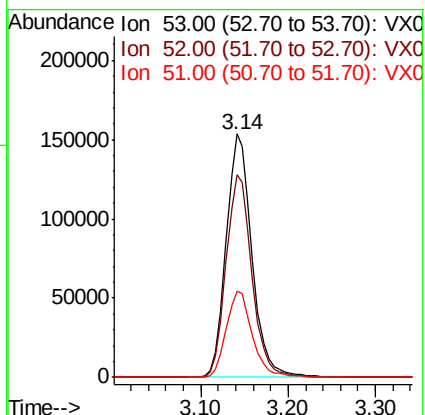
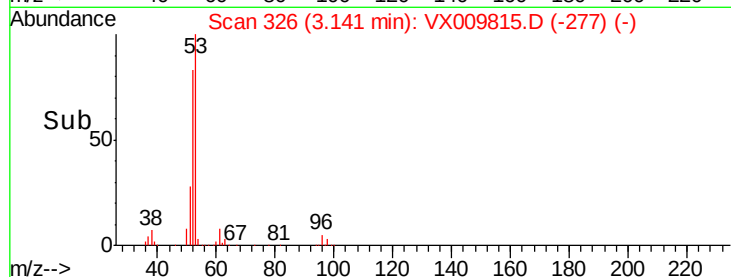
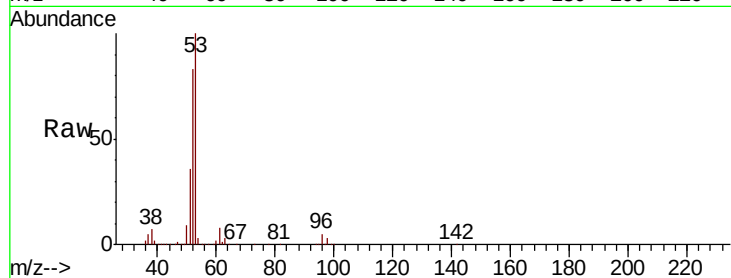
Tot Ion: 53 Resp: 312491

Ion Ratio Lower Upper

53 100

52 84.0 66.9 100.3

51 36.4 28.2 42.2



#16

Acetone

Concen: 220.268 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009815.D

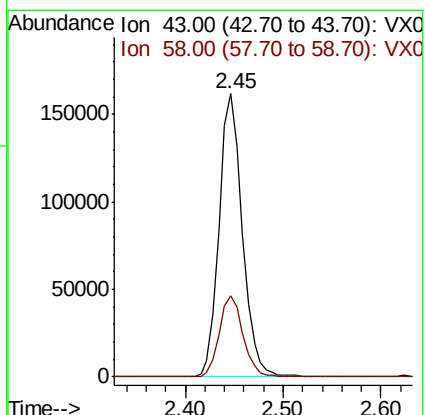
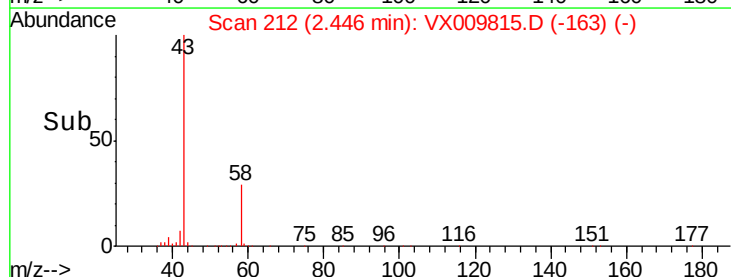
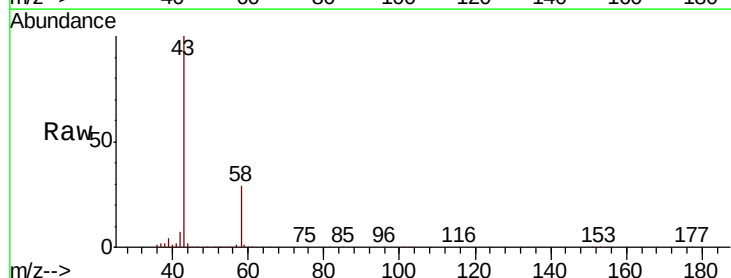
Acq: 22 May 2019 19:27

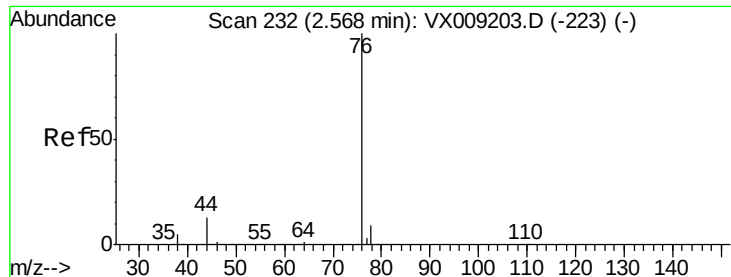
Tgt Ion: 43 Resp: 265538

Ion Ratio Lower Upper

43 100

58 28.7 24.9 37.3





#17

Carbon Disulfide

Concen: 48.376 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

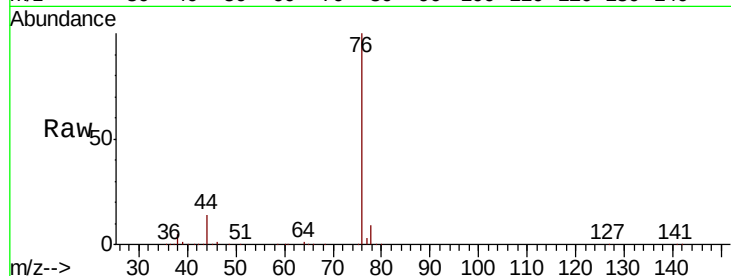
ClientSampleId :

Tot Ion: 76 Resp: 209587

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

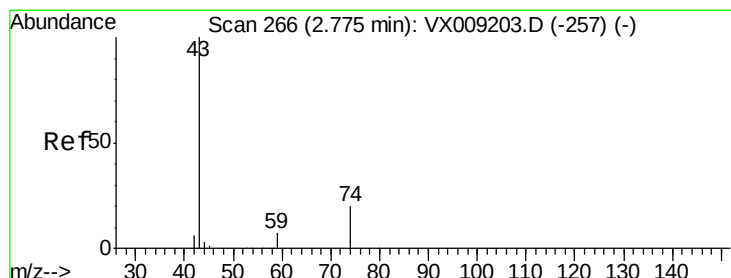
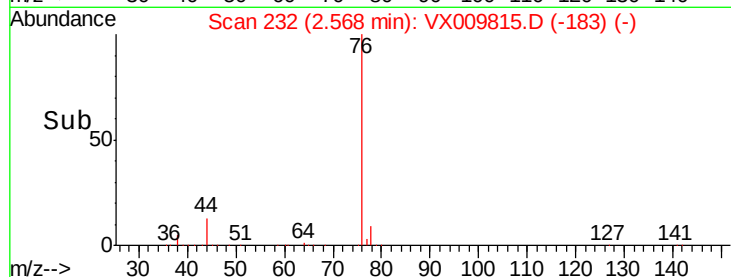
2.57

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.148 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009815.D

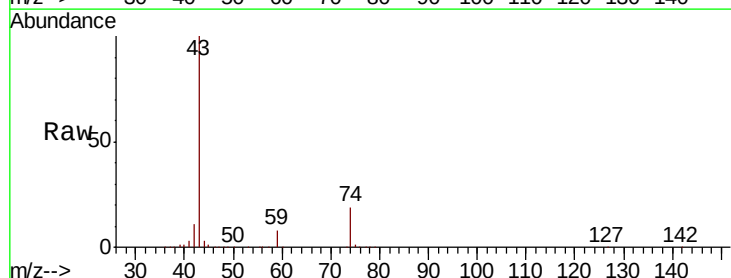
Acq: 22 May 2019 19:27

Tgt Ion: 43 Resp: 135172

Ion Ratio Lower Upper

43 100

74 19.7 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

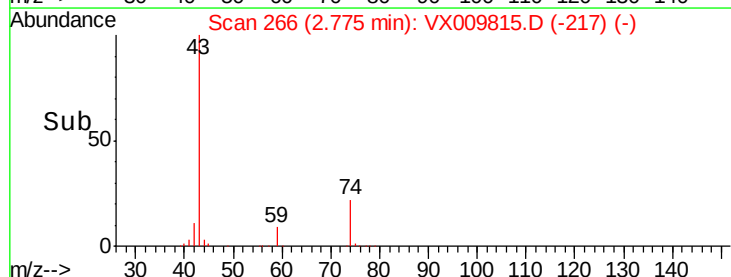
60000

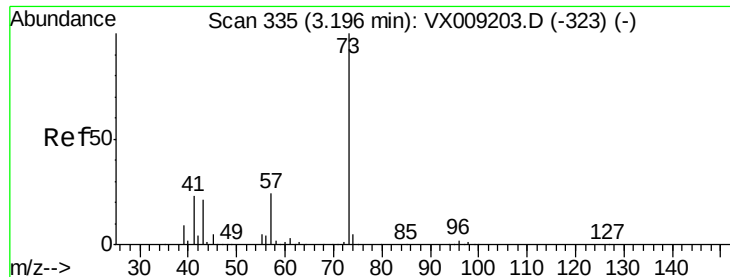
40000

20000

0

Time-->

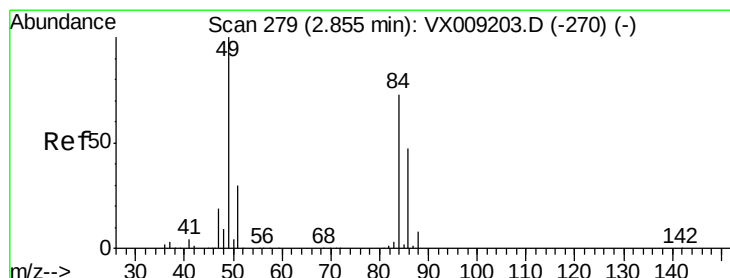
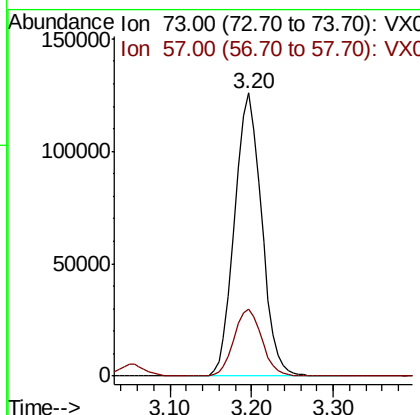
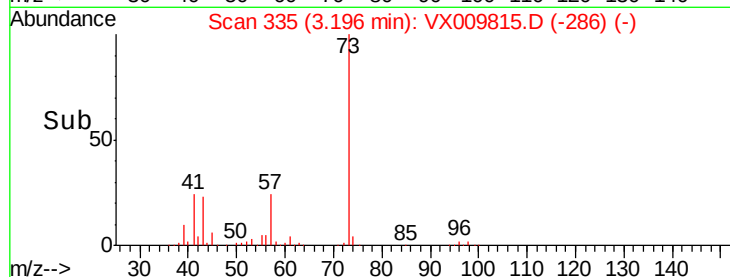
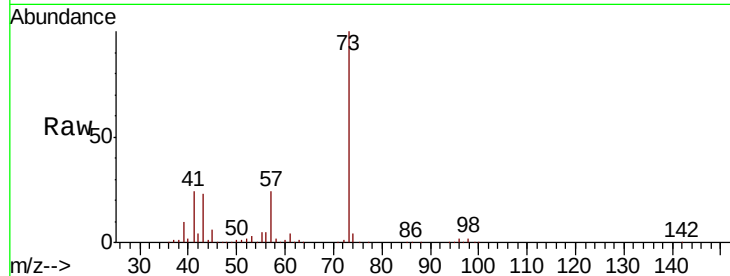




#19
Methyl tert-butyl Ether
Concen: 48.081 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

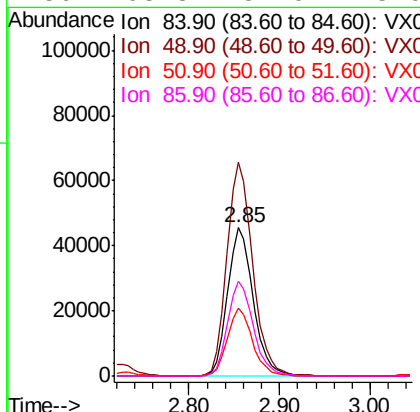
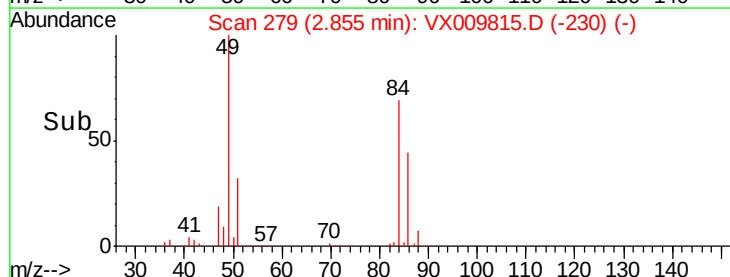
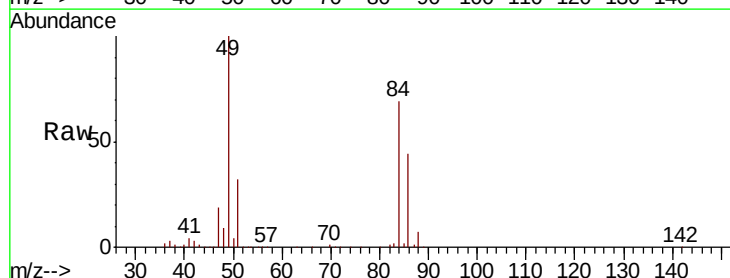
Instrument :
MSVOA_X
ClientSampled :

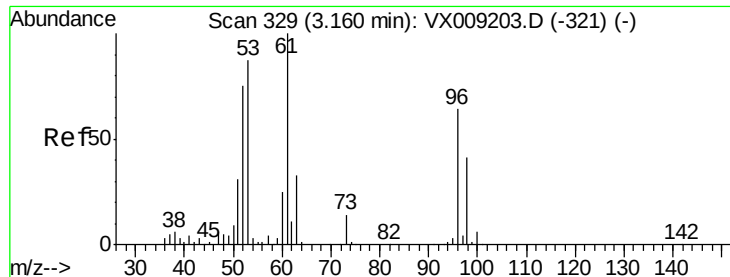
Tot Ion: 73 Resp: 288114
Ion Ratio Lower Upper
73 100
57 23.5 19.3 28.9



#20
Methylene Chloride
Concen: 45.841 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion: 84 Resp: 89477
Ion Ratio Lower Upper
84 100
49 144.4 109.9 164.9
51 46.2 32.7 49.1
86 63.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 46.626 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampled :

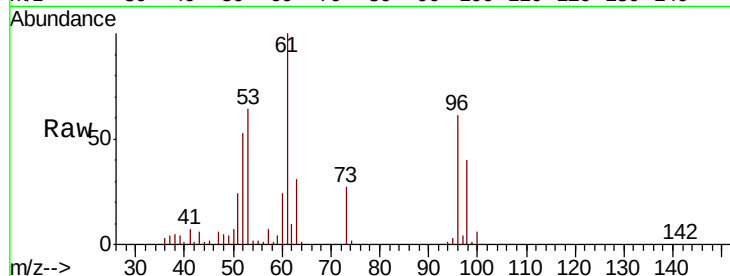
Tot Ion: 96 Resp: 78030

Ion Ratio Lower Upper

96 100

61 164.6 124.5 186.7

98 66.1 50.4 75.6

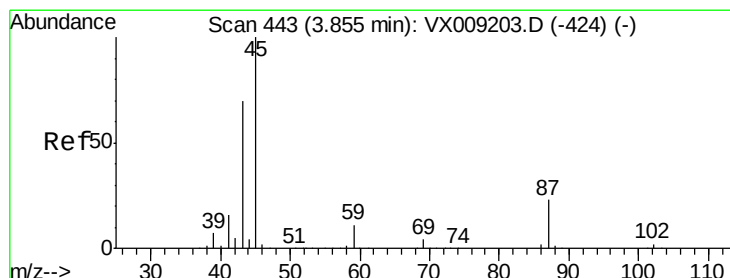
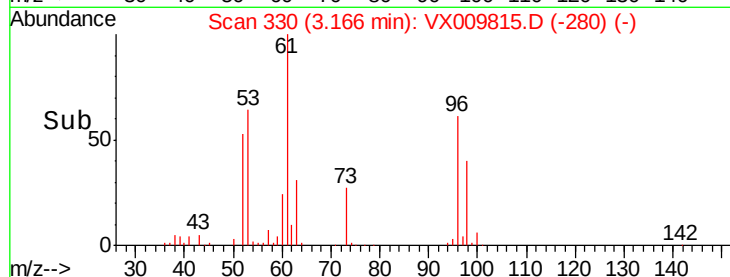
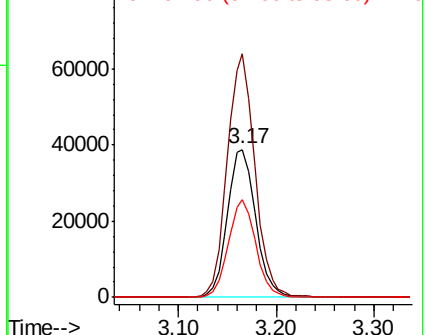


Abundance

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: 49.091 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Tgt Ion: 45 Resp: 355030

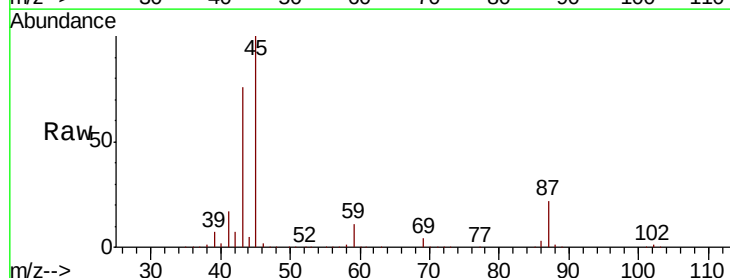
Ion Ratio Lower Upper

45 100

43 75.8 56.1 84.1

87 22.0 18.1 27.1

59 10.7 8.5 12.7



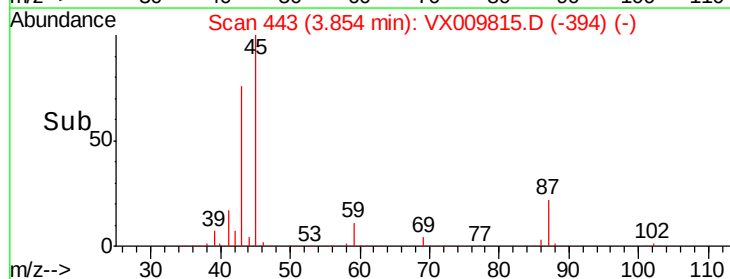
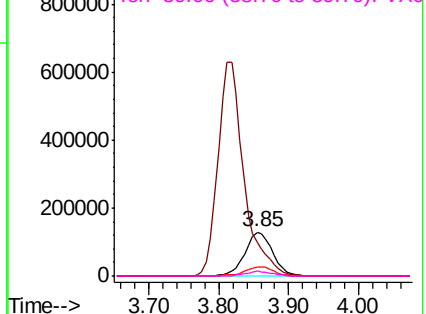
Abundance

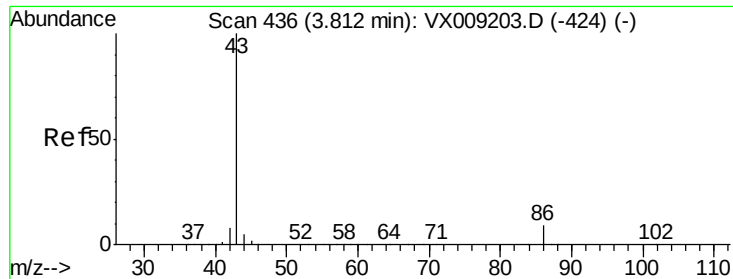
Ion 45.00 (44.70 to 45.70): VX0

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: 263.261 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

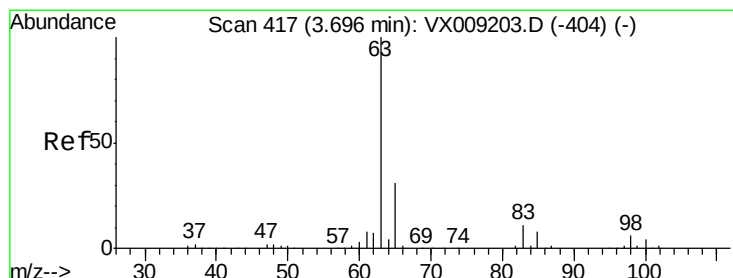
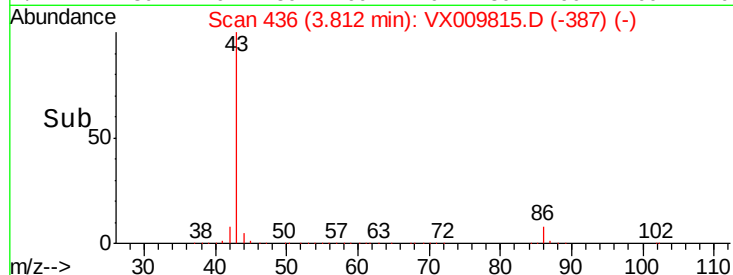
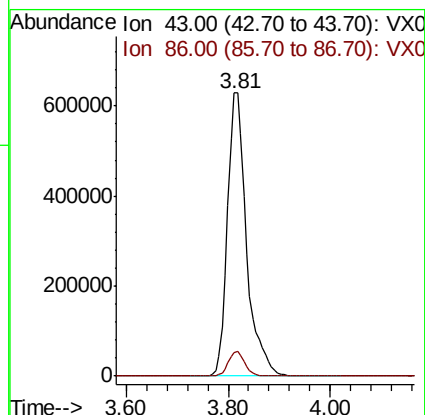
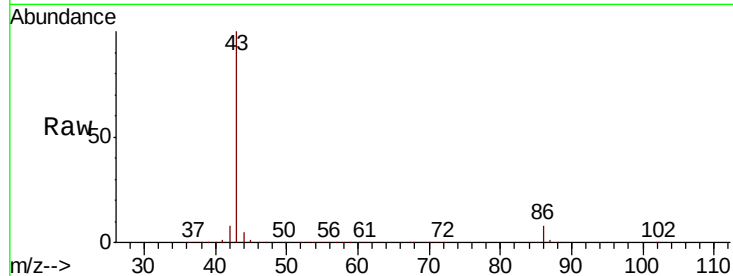
ClientSampleId :

Tot Ion: 43 Resp: 1630347

Ion Ratio Lower Upper

43 100

86 8.2 6.9 10.3



#24

1,1-Dichloroethane

Concen: 47.152 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

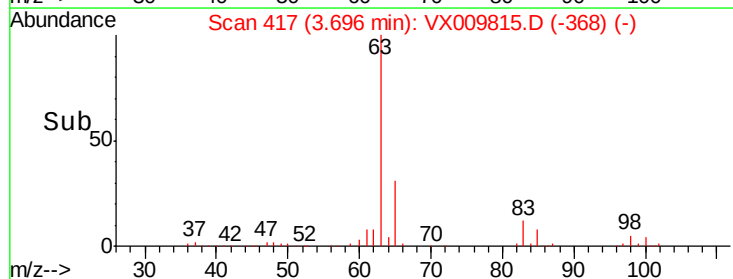
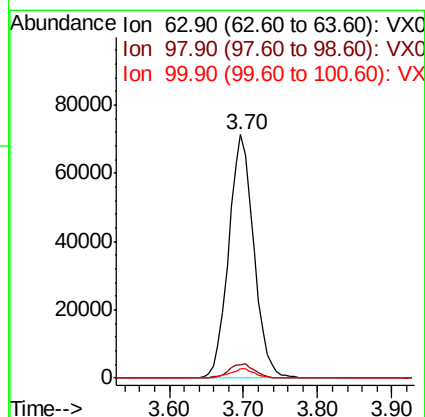
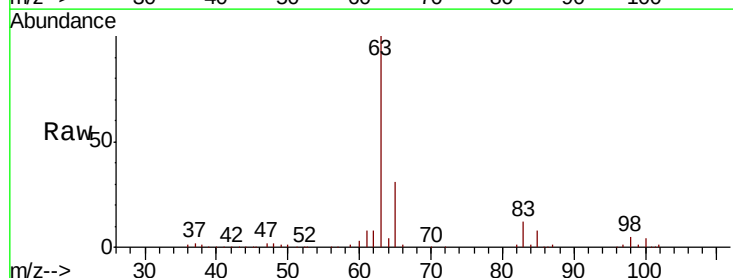
Tgt Ion: 63 Resp: 168223

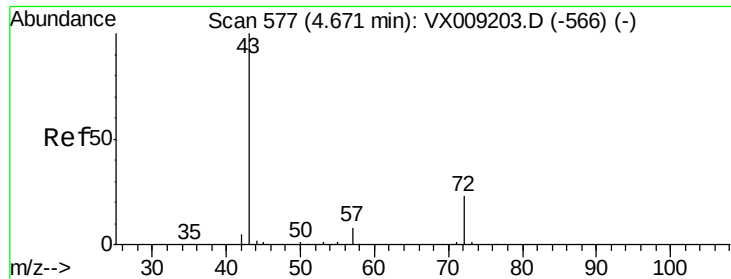
Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 248.777 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

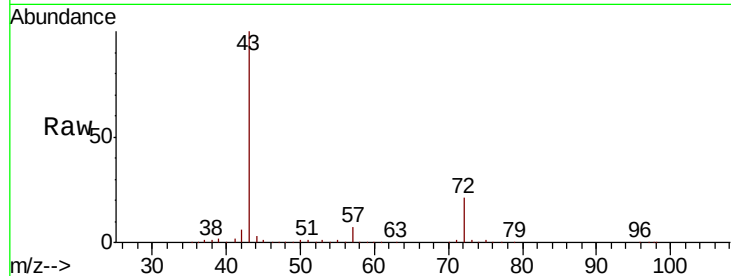
ClientSampleId :

Tot Ion: 43 Resp: 466046

Ion Ratio Lower Upper

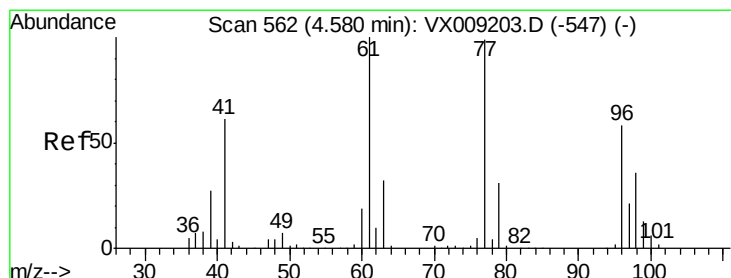
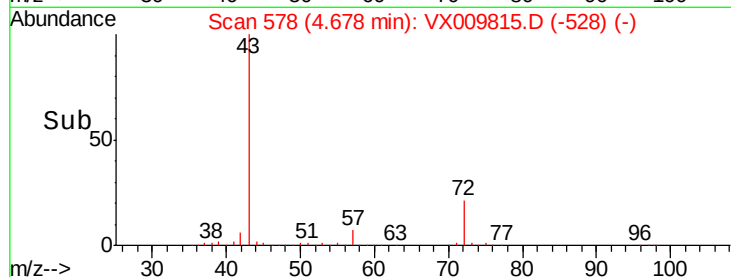
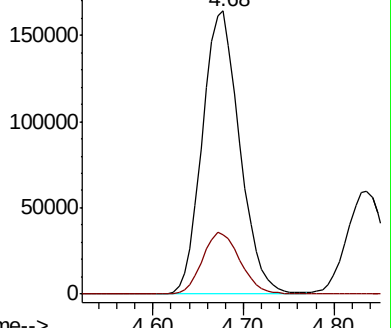
43 100

72 20.9 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: 43.411 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009815.D

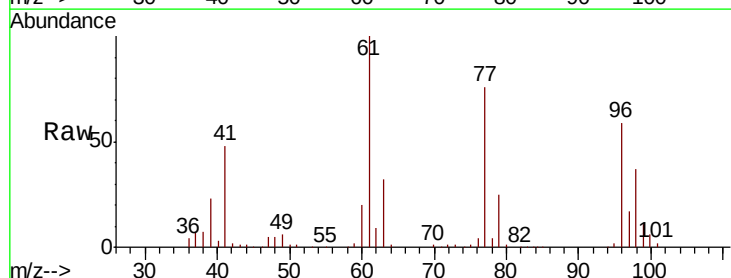
Acq: 22 May 2019 19:27

Tgt Ion: 77 Resp: 115279

Ion Ratio Lower Upper

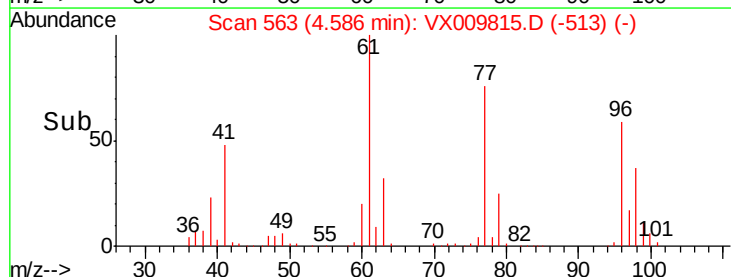
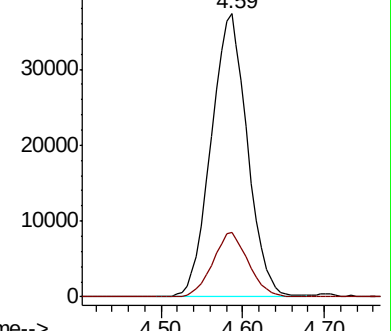
77 100

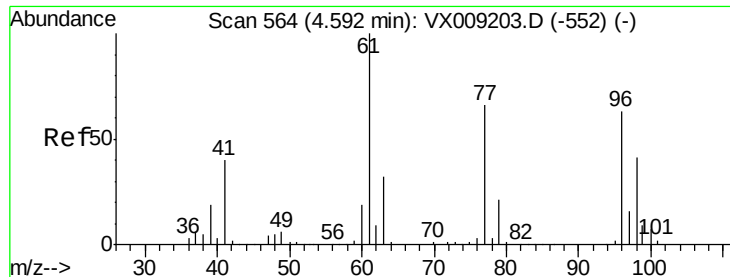
97 22.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



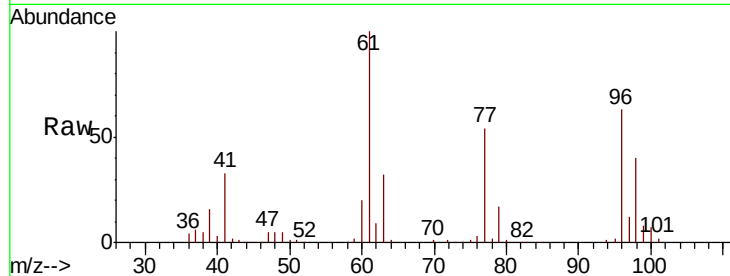


#27

cis-1,2-Dichloroethene
Concen: 46.957 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.8	0.0	324.0
98	63.5	0.0	130.4

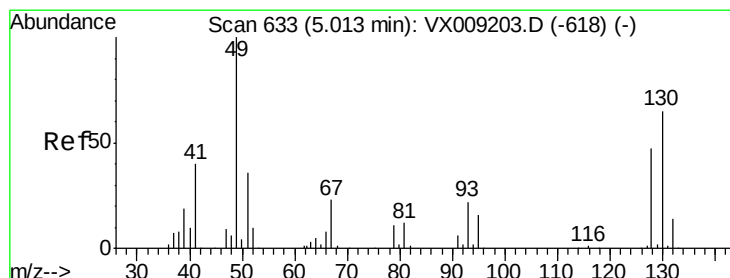
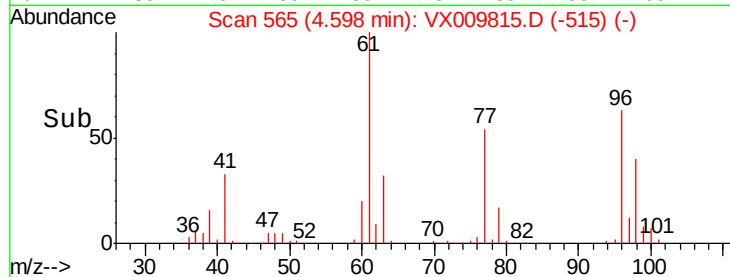
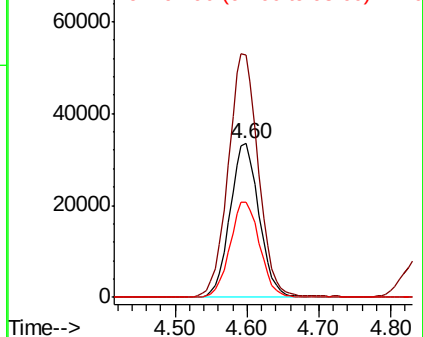


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

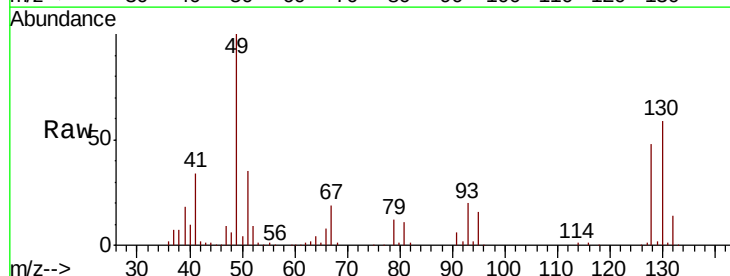
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 59.691 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	60.4	51.2	76.8

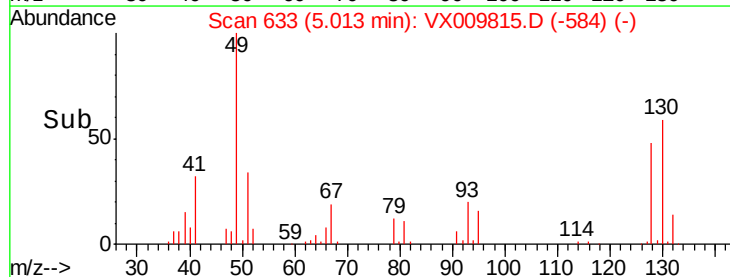
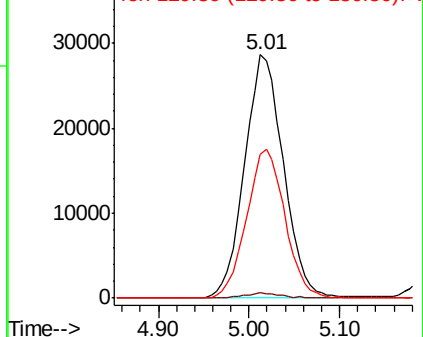


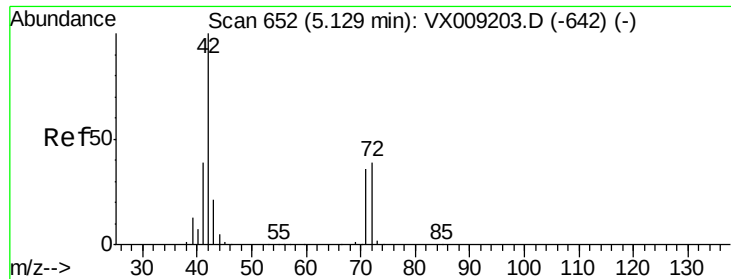
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 259.076 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

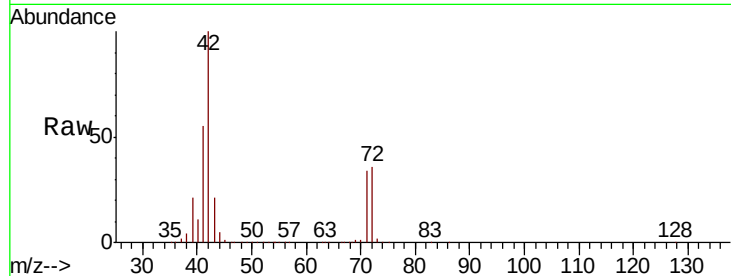
Tot Ion: 42 Resp: 312314

Ion Ratio Lower Upper

42 100

72 36.6 30.4 45.6

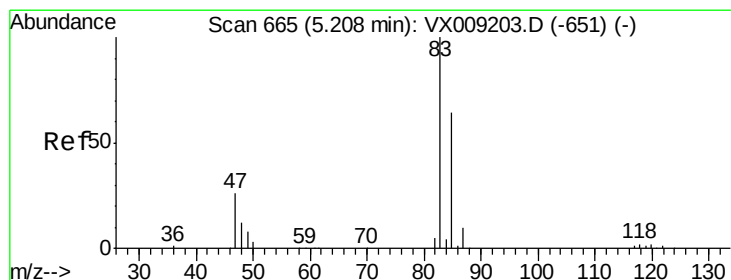
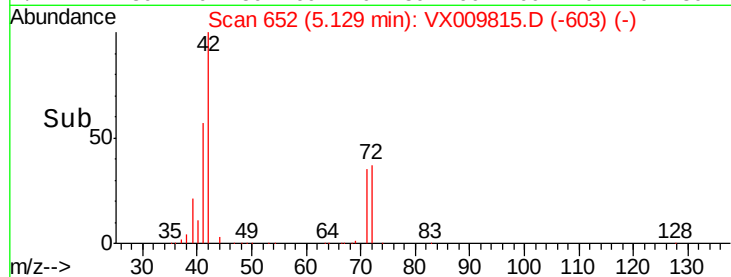
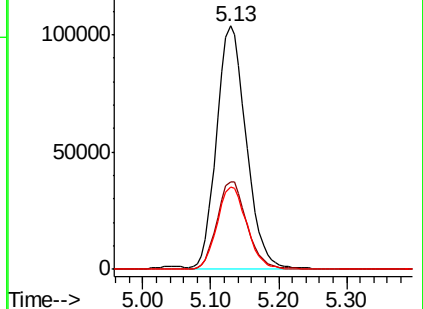
71 34.3 28.6 43.0



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 47.745 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009815.D

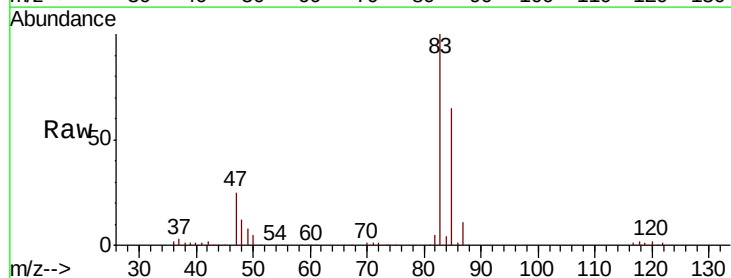
Acq: 22 May 2019 19:27

Tgt Ion: 83 Resp: 154059

Ion Ratio Lower Upper

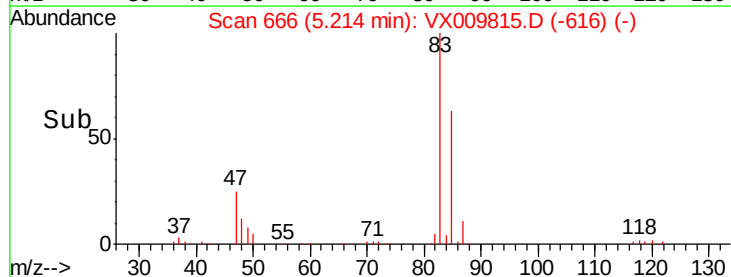
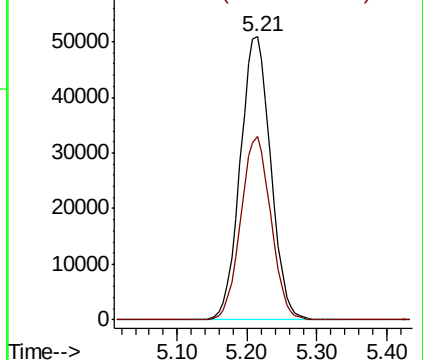
83 100

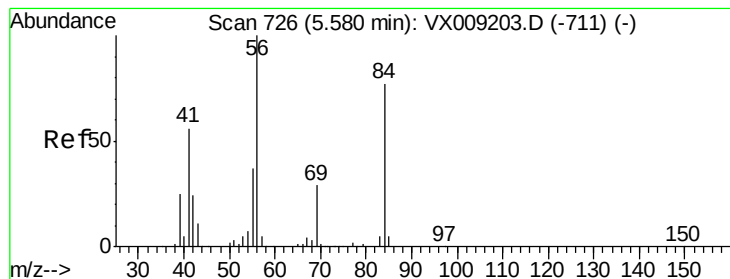
85 65.0 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 47.458 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

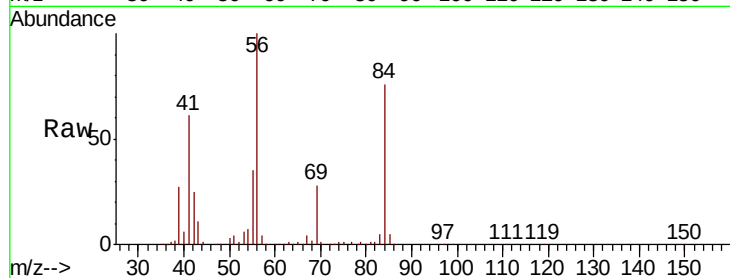
Tot Ion: 56 Resp: 157525

Ion Ratio Lower Upper

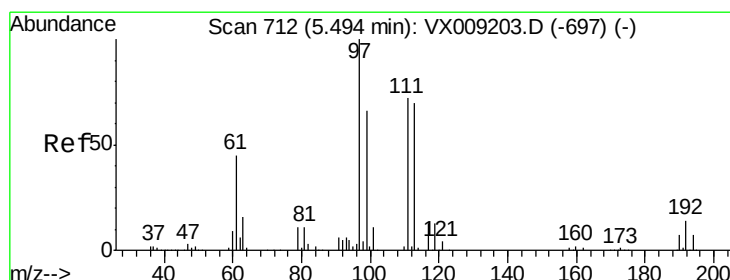
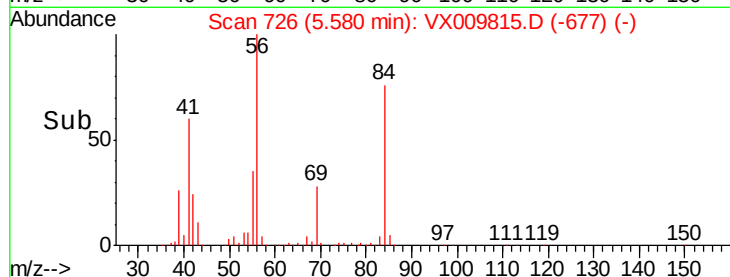
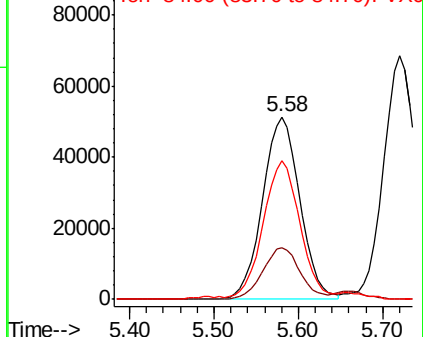
56 100

69 28.4 23.4 35.0

84 75.2 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: 46.358 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

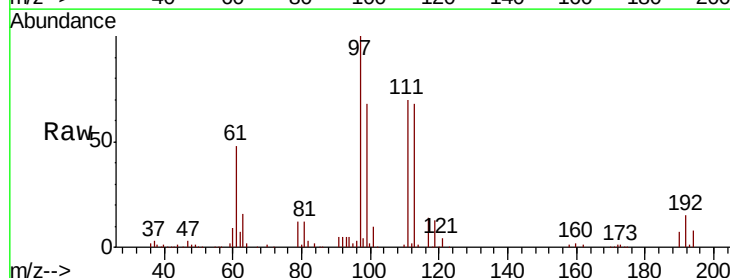
Tgt Ion: 97 Resp: 124523

Ion Ratio Lower Upper

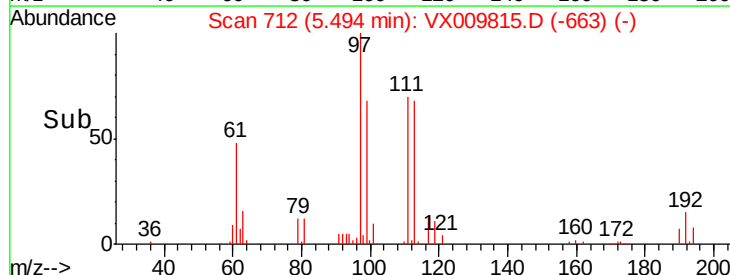
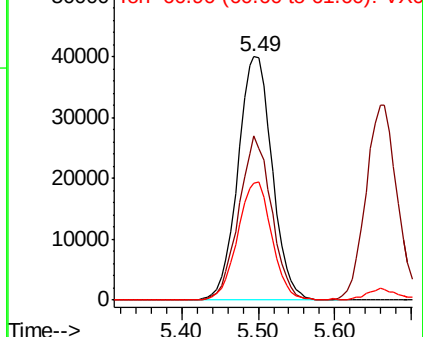
97 100

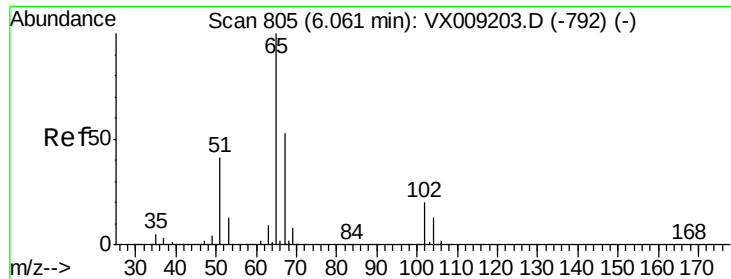
99 64.6 51.8 77.8

61 48.6 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

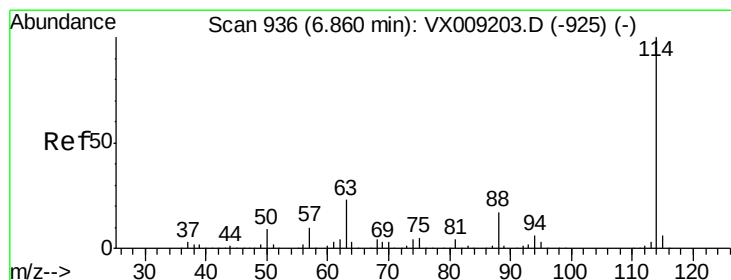
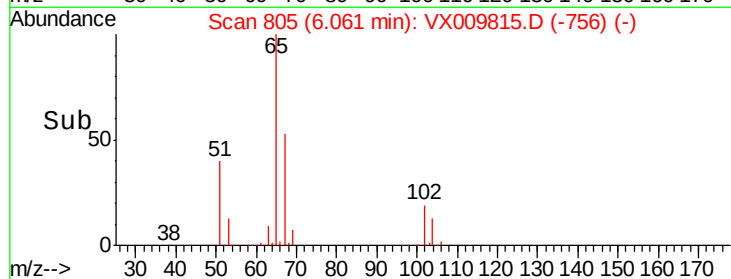
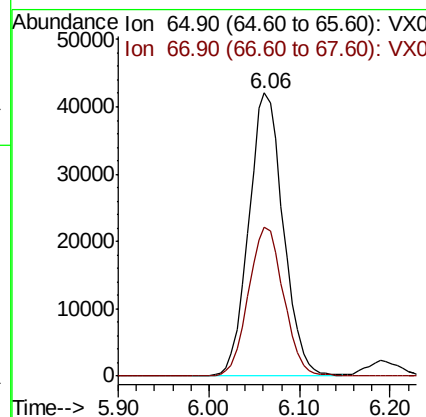
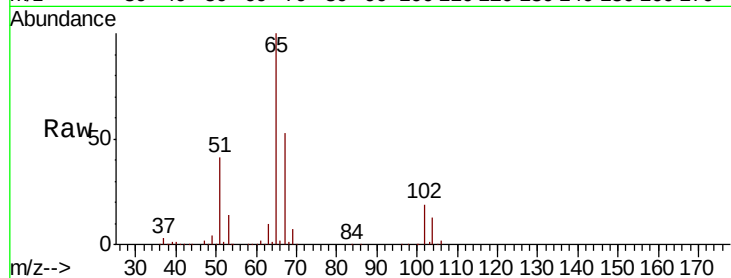




#33
 1,2-Dichloroethane-d4
 Concen: 49.333 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

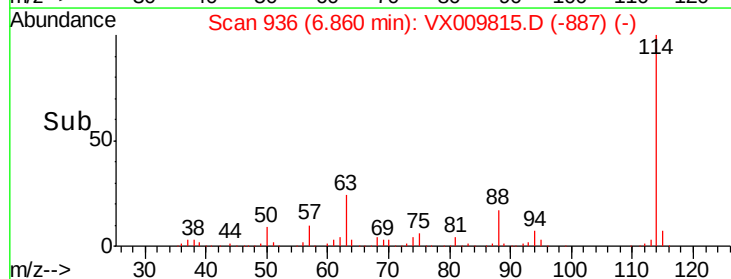
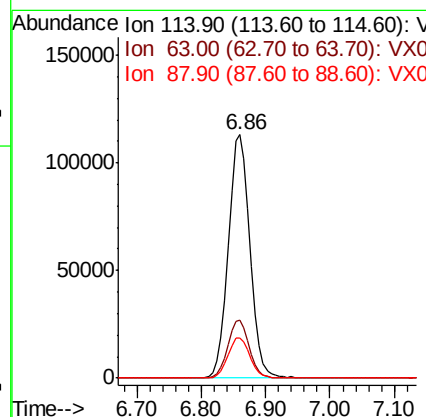
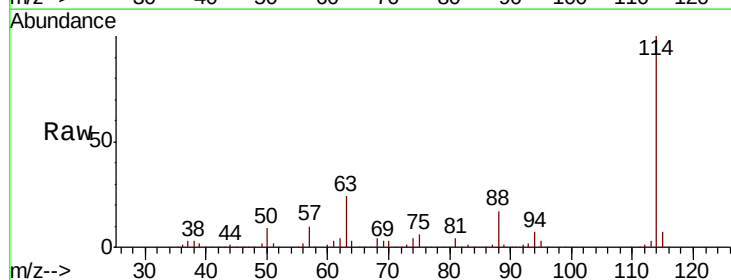
Instrument :
 MSVOA_X
 ClientSampleId :

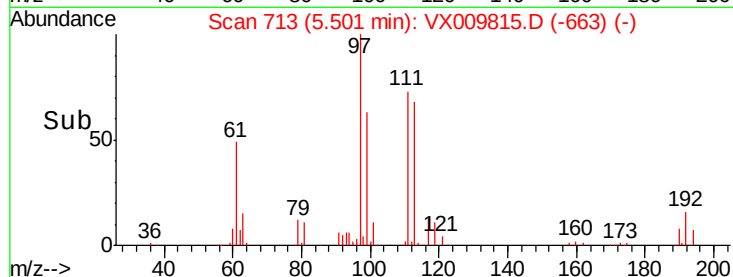
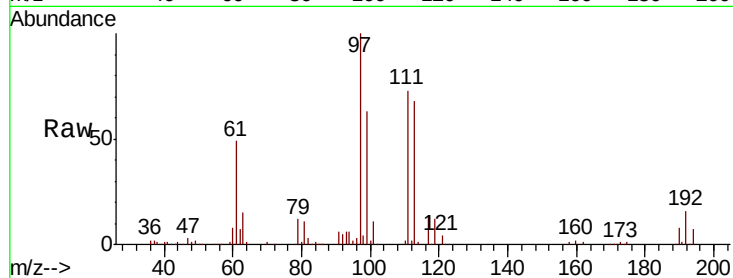
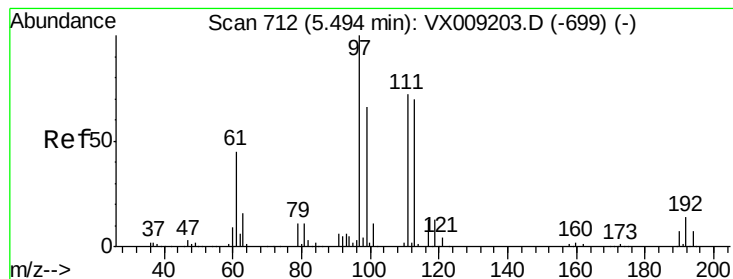
Tot Ion: 65 Resp: 110757
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion: 114 Resp: 268599
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 45.6
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.576 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

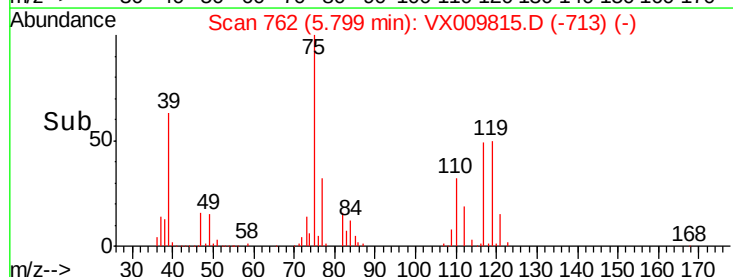
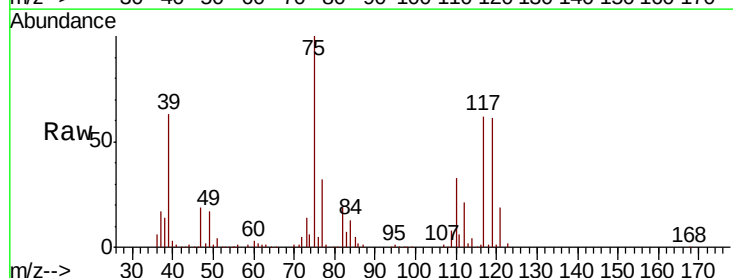
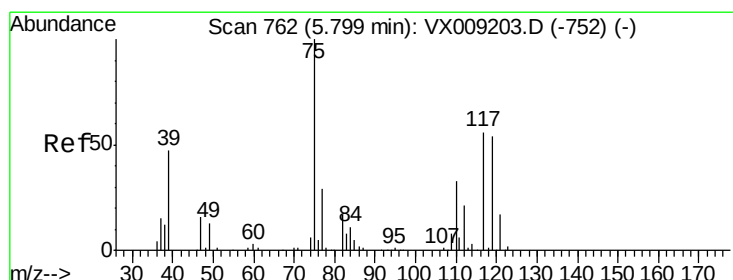
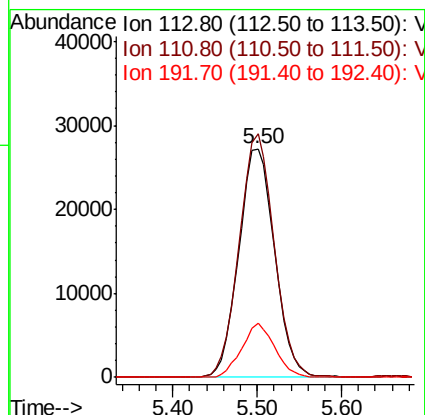
Tot Ion:113 Resp: 78644

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 21.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 46.040 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

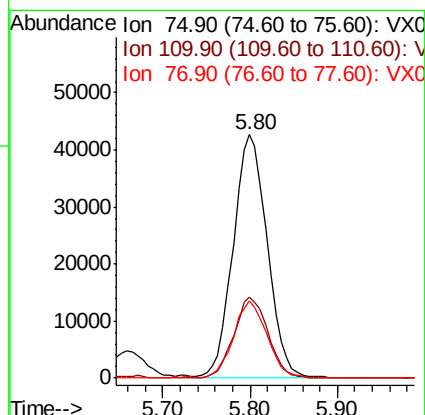
Tgt Ion: 75 Resp: 114921

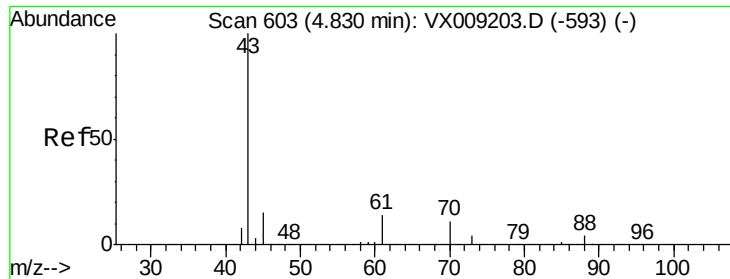
Ion Ratio Lower Upper

75 100

110 33.7 16.9 50.6

77 31.5 24.8 37.2





#37

Ethyl Acetate

Concen: 51.013 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

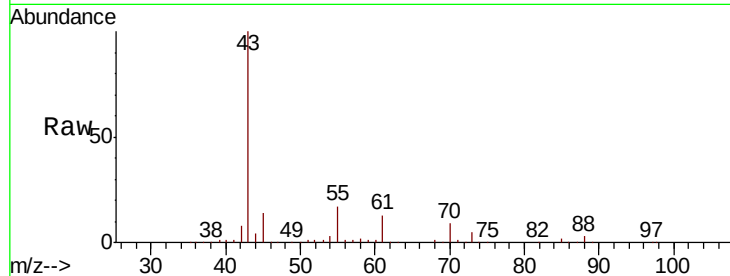
Tot Ion: 43 Resp: 177416

Ion Ratio Lower Upper

43 100

61 12.3 10.5 15.7

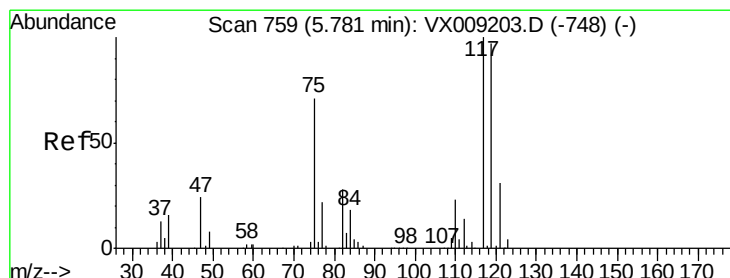
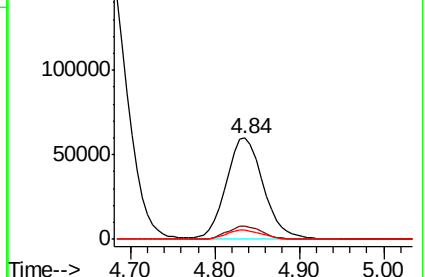
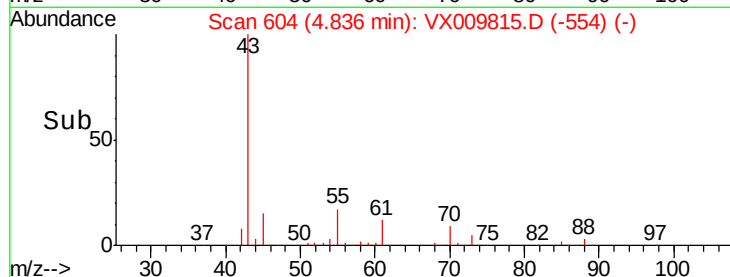
70 9.2 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX009815.D (-554) (-)

Ion 60.90 (60.60 to 61.60): VX009815.D (-554) (-)

Ion 70.00 (69.70 to 70.70): VX009815.D (-554) (-)



#38

Carbon Tetrachloride

Concen: 46.021 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

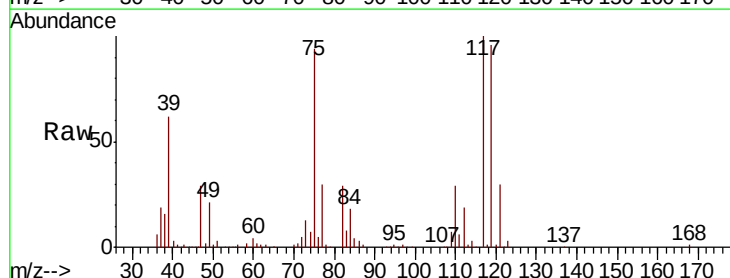
Tgt Ion: 117 Resp: 104370

Ion Ratio Lower Upper

117 100

119 96.4 77.5 116.3

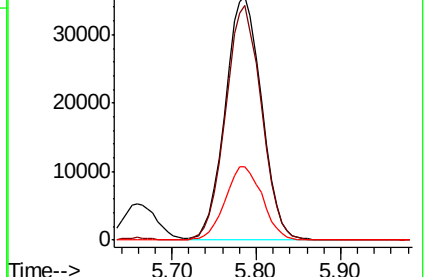
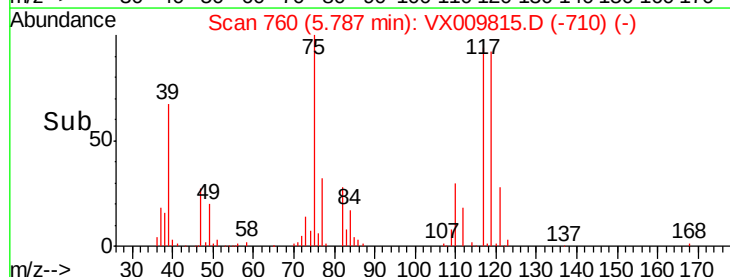
121 29.9 24.7 37.1

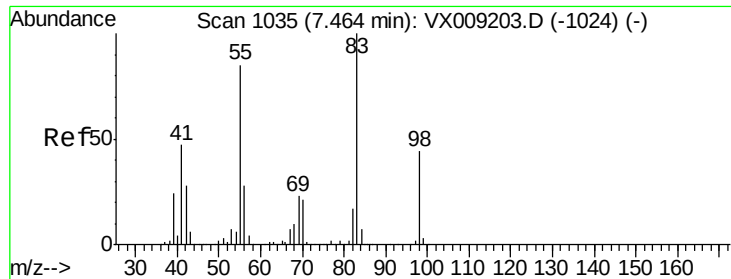


Abundance Ion 116.80 (116.50 to 117.50): VX009815.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009815.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009815.D (-710) (-)

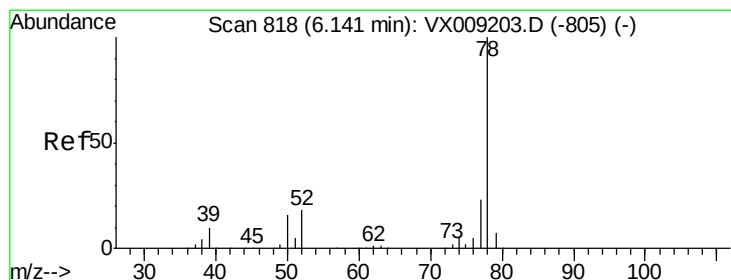
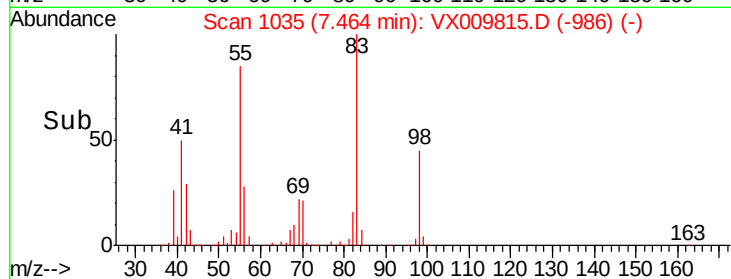
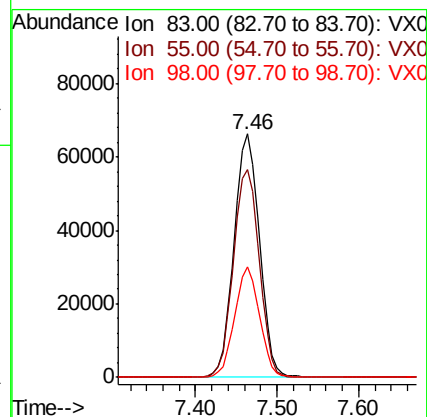
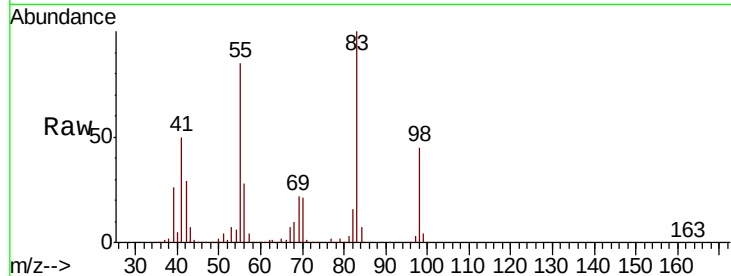




#39
Methylvlcyclohexane
Concen: 46.290 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

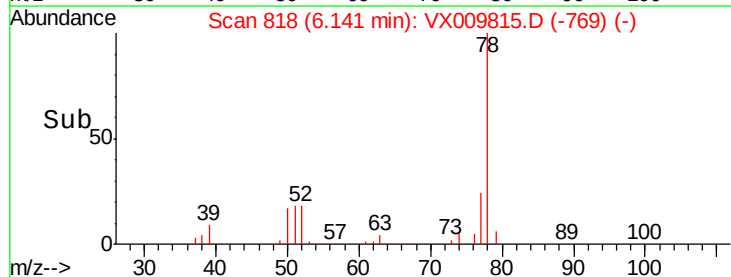
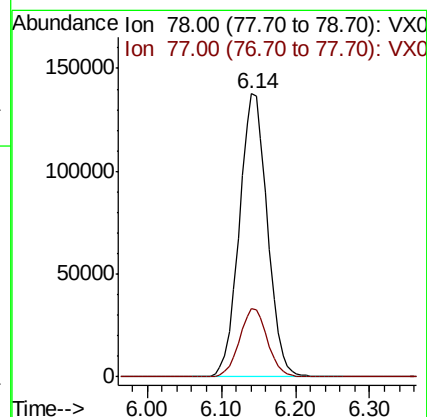
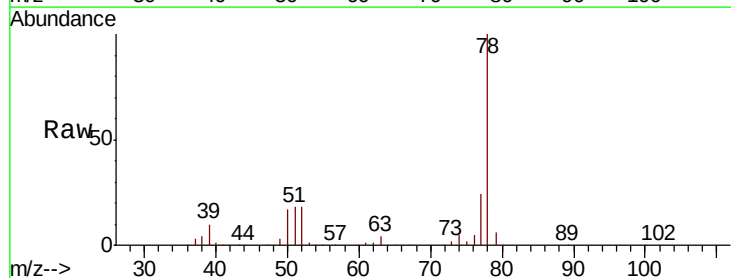
Instrument :
MSVOA_X
ClientSampled :

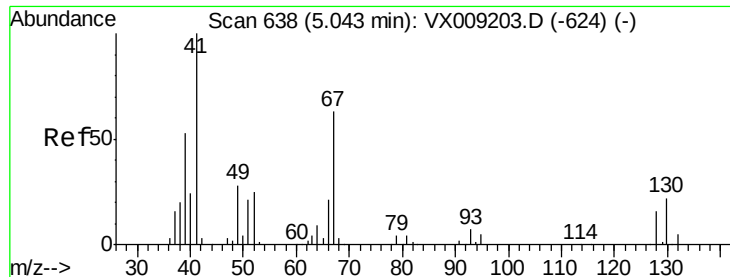
Tot Ion: 83 Resp: 141900
Ion Ratio Lower Upper
83 100
55 85.3 67.7 101.5
98 45.4 35.5 53.3



#40
Benzene
Concen: 47.161 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion: 78 Resp: 364321
Ion Ratio Lower Upper
78 100
77 24.4 18.8 28.2





#41

Methacrylonitrile

Concen: 48.969 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 101378

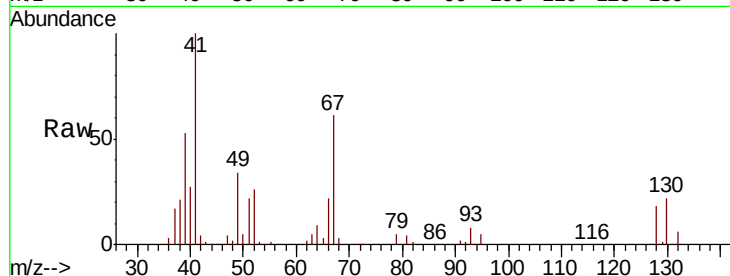
Ion Ratio Lower Upper

41 100

39 52.6 42.0 63.0

67 61.6 49.8 74.8

52 25.7 20.3 30.5

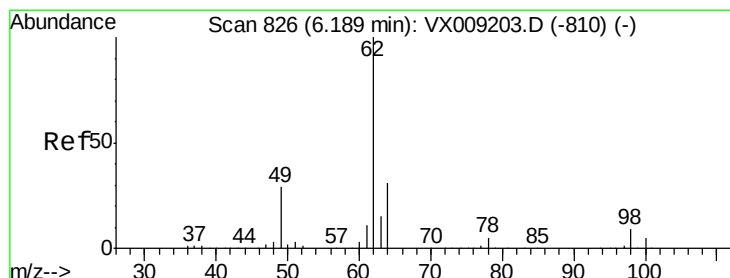
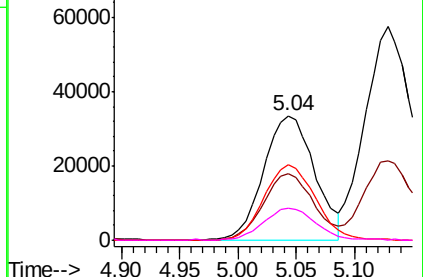
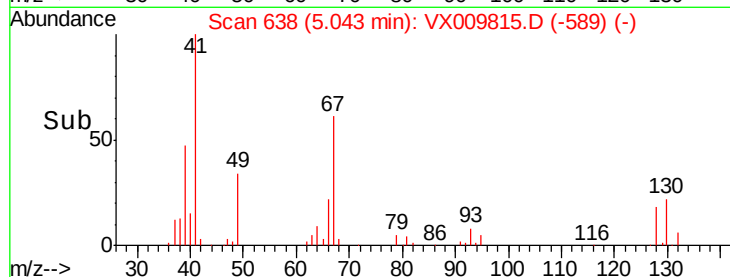


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 48.870 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.00 min

Lab File: VX009815.D

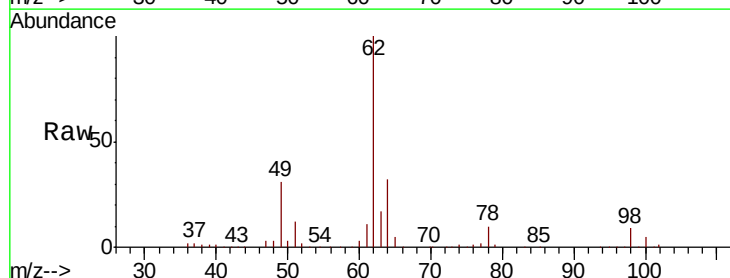
Acq: 22 May 2019 19:27

Tgt Ion: 62 Resp: 135423

Ion Ratio Lower Upper

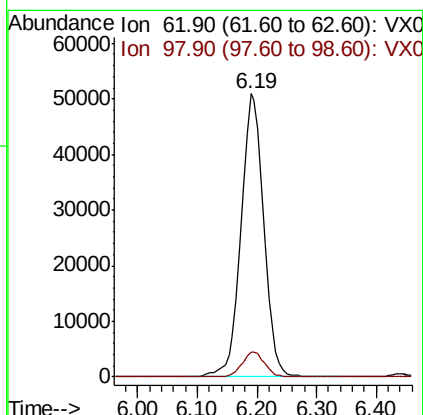
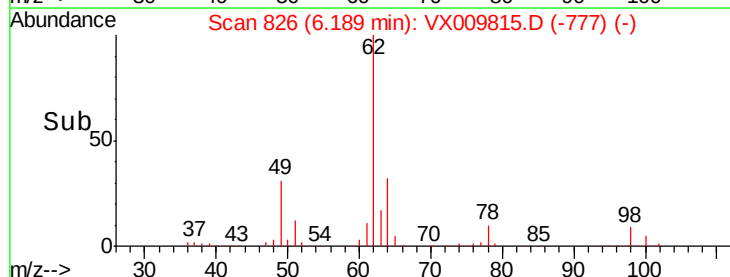
62 100

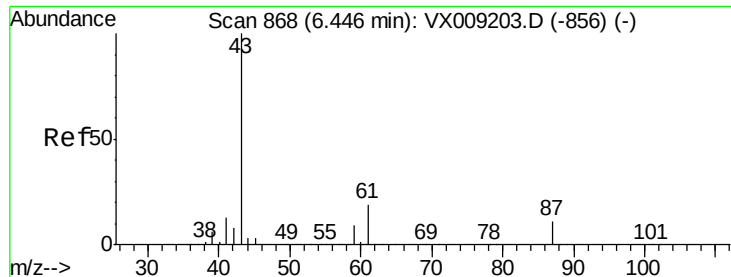
98 8.7 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.612 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

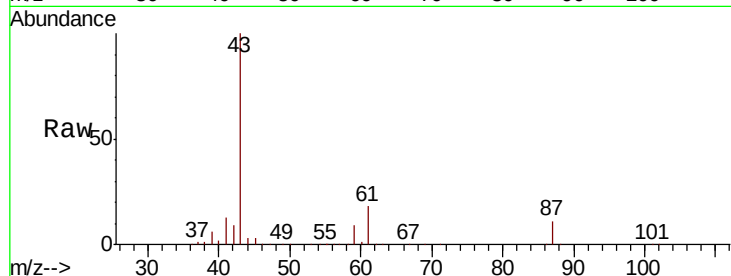
Tot Ion: 43 Resp: 281552

Ion Ratio Lower Upper

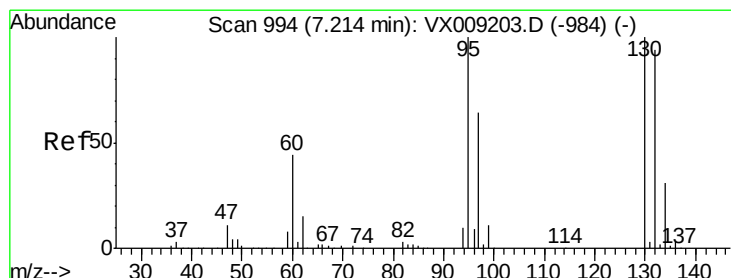
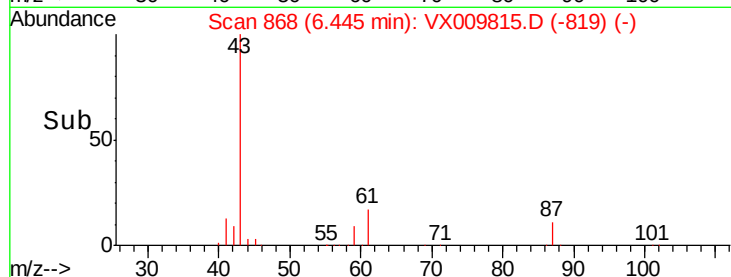
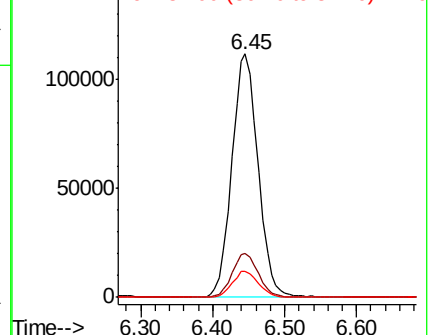
43 100

61 18.2 15.1 22.7

87 10.8 9.0 13.6



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



#44

Trichloroethene

Concen: 45.066 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009815.D

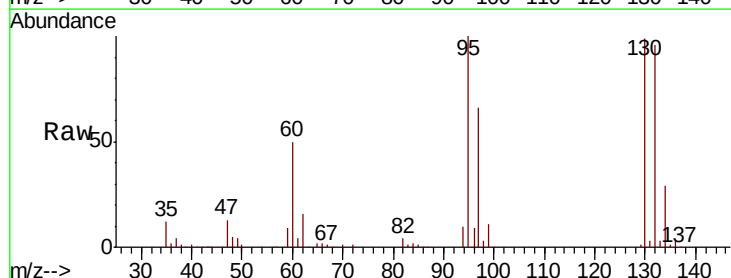
Acq: 22 May 2019 19:27

Tgt Ion:130 Resp: 84163

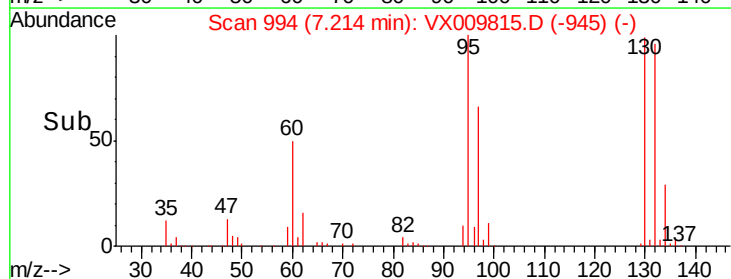
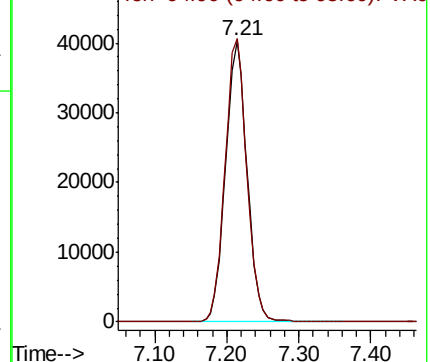
Ion Ratio Lower Upper

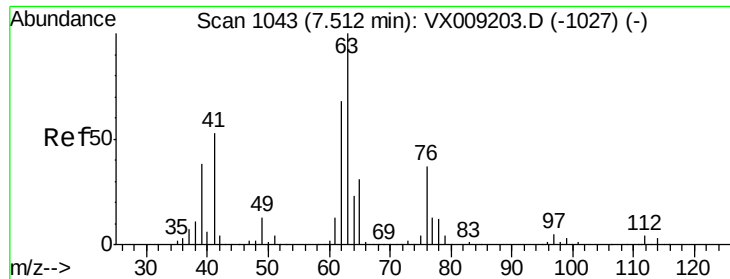
130 100

95 100.6 0.0 199.2



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

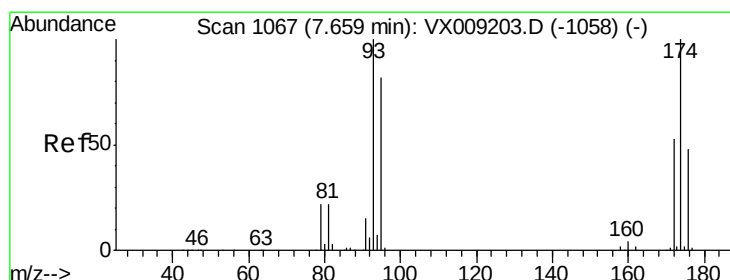
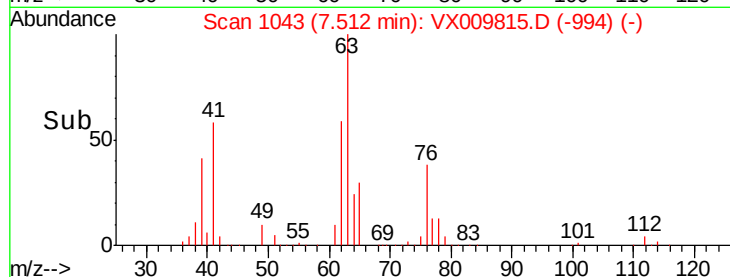
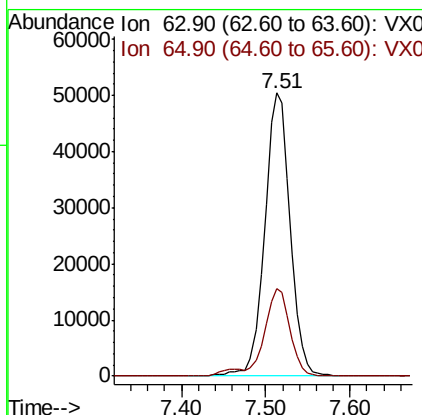
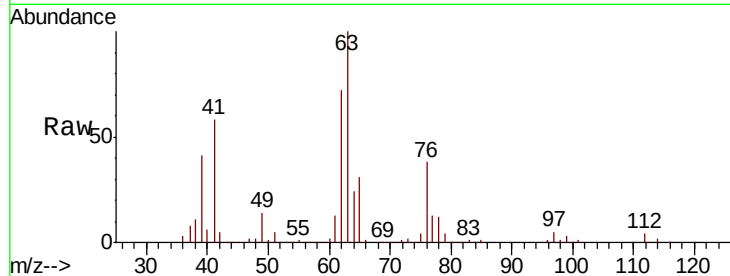




#45
 1,2-Dichloropropane
 Concen: 47.919 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

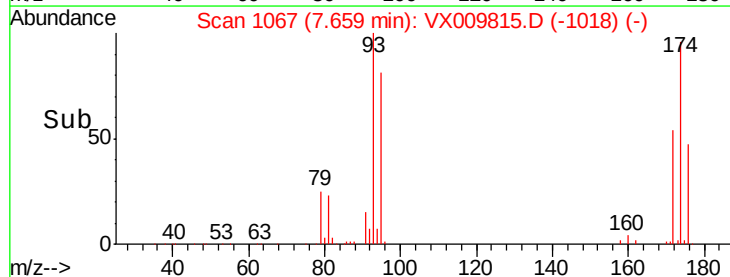
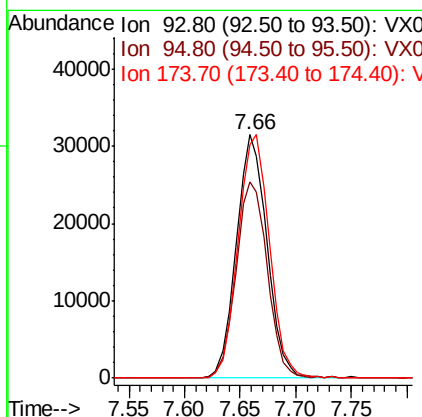
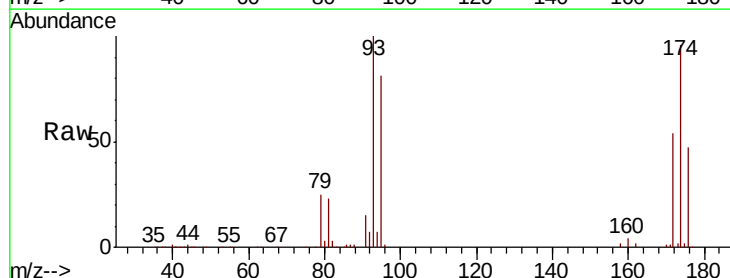
Instrument :
 MSVOA_X
 ClientSampled :

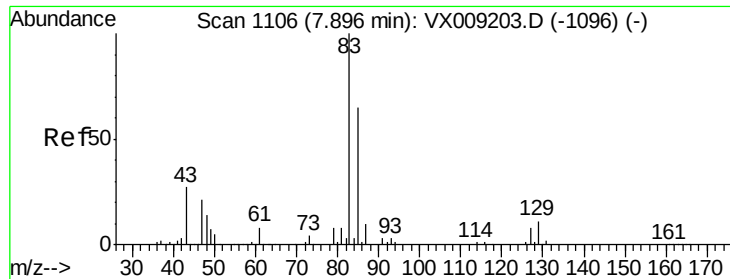
Tot Ion: 63 Resp: 104819
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6



#46
 Dibromomethane
 Concen: 47.329 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion: 93 Resp: 60120
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.5 99.7
 174 102.6 82.1 123.1





#47

Bromodichloromethane

Concen: 47.405 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampled :

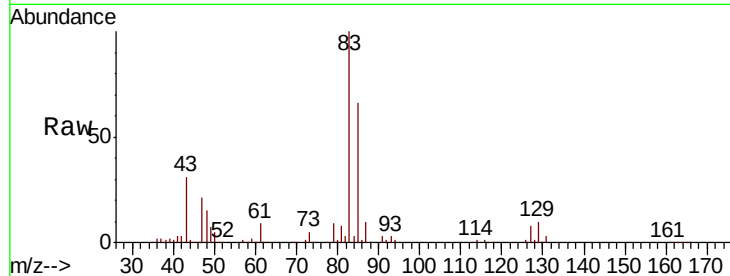
Tot Ion: 83 Resp: 120116

Ion Ratio Lower Upper

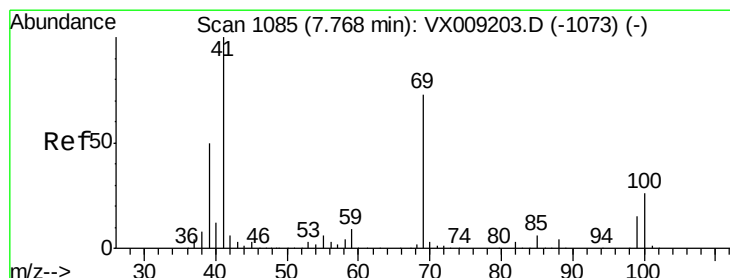
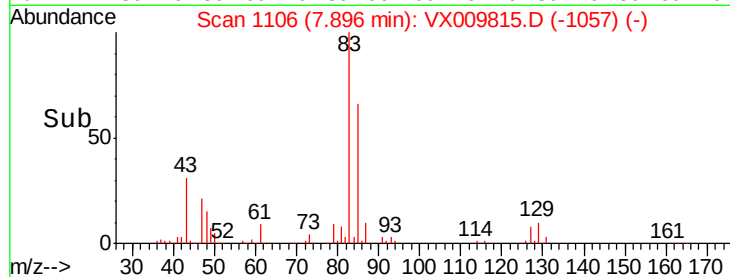
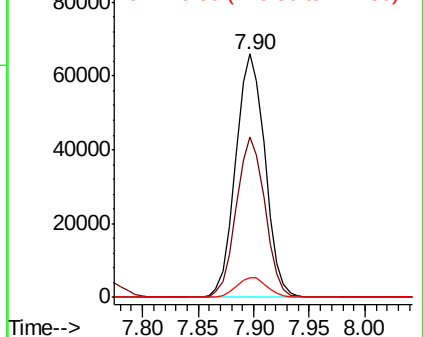
83 100

85 65.9 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: 51.545 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

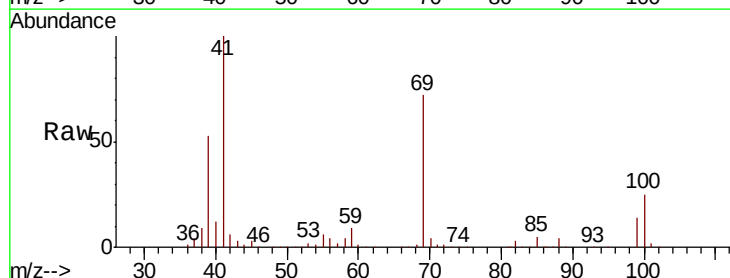
Tgt Ion: 41 Resp: 142261

Ion Ratio Lower Upper

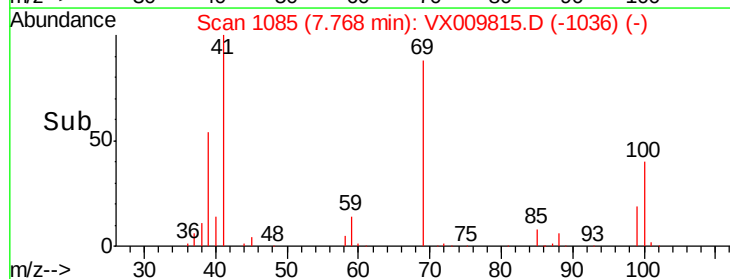
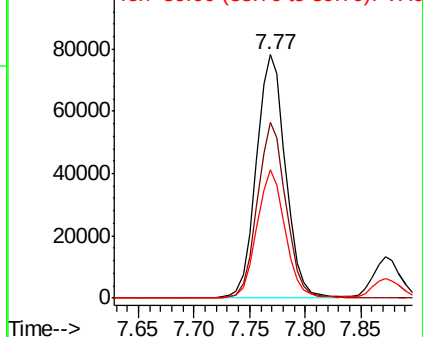
41 100

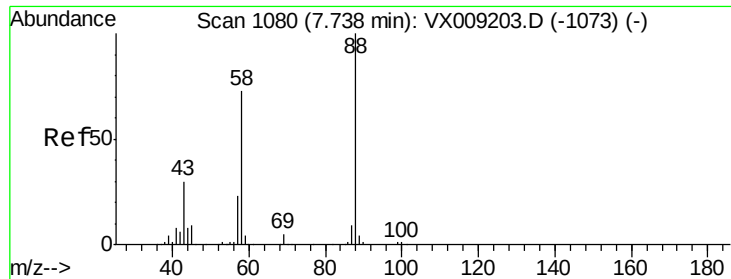
69 71.2 59.1 88.7

39 51.2 40.4 60.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

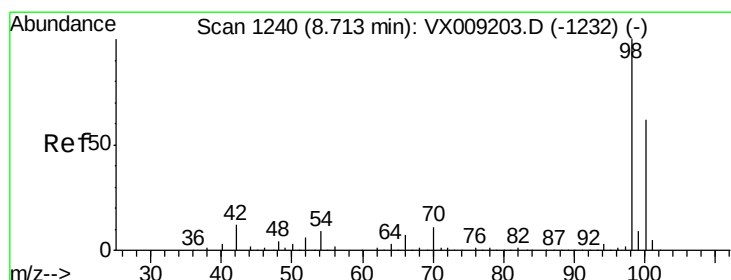
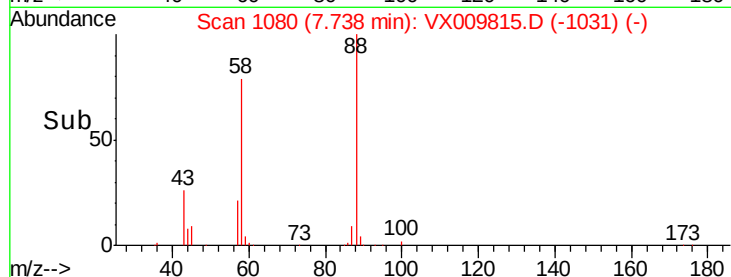
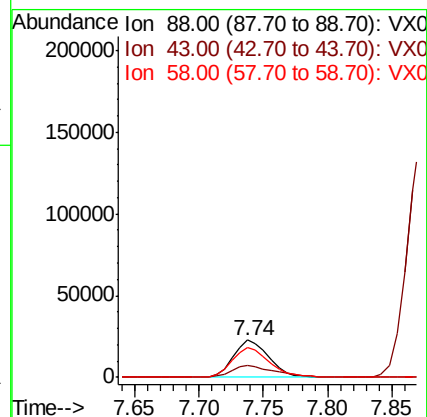
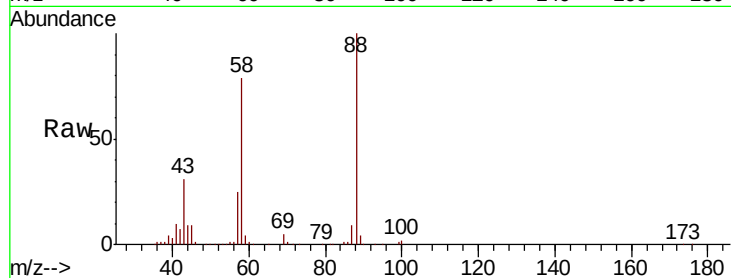




#49
1,4-Dioxane
Concen: 789.085 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

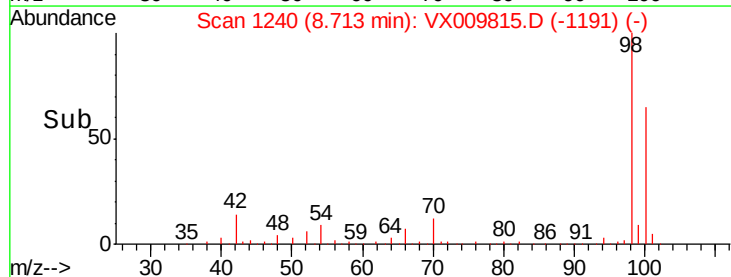
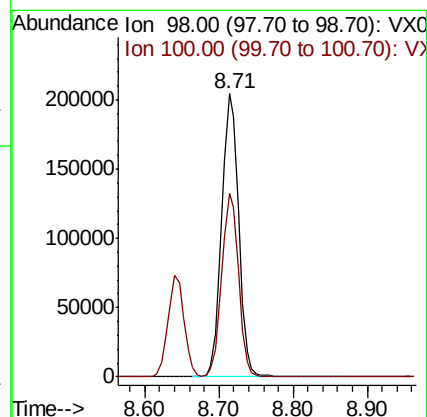
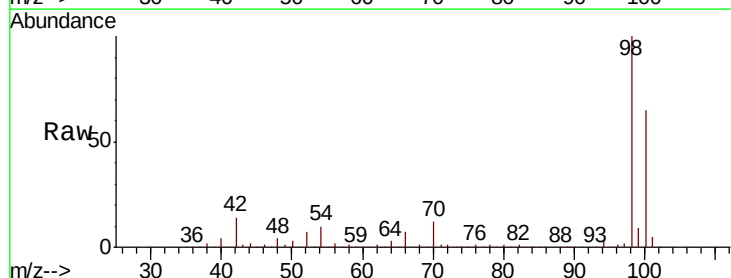
Instrument :
MSVOA_X
ClientSampleId :

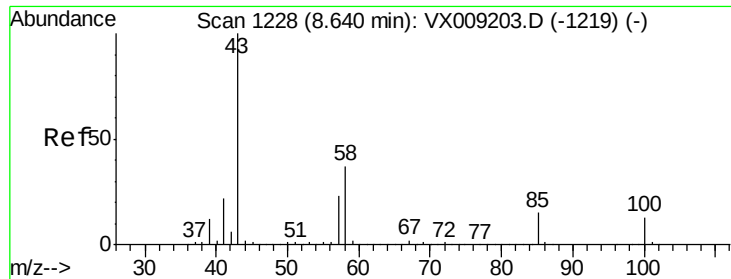
Tot Ion: 88 Resp: 44166
Ion Ratio Lower Upper
88 100
43 37.8 28.6 42.8
58 82.9 61.7 92.5



#50
Toluene-d8
Concen: 47.064 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion: 98 Resp: 320833
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 258.861 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

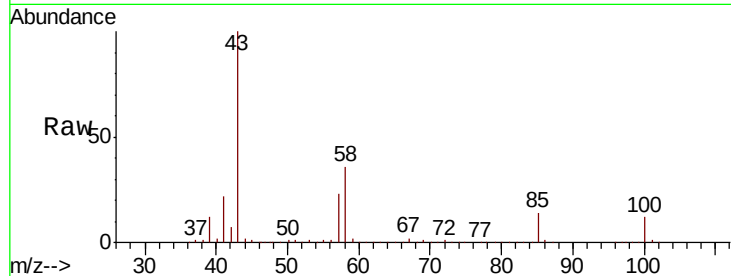
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 941243

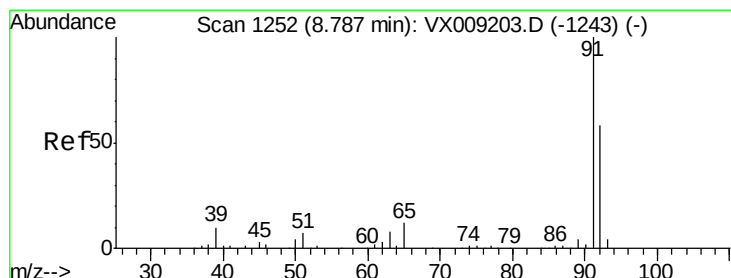
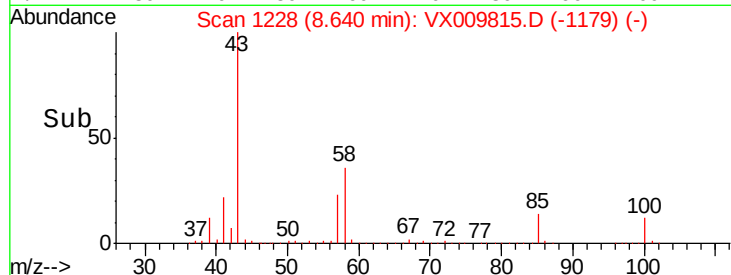
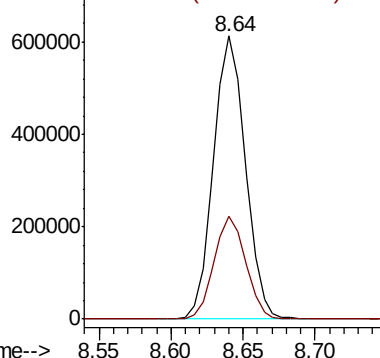
Ion Ratio Lower Upper

43 100

58 36.0 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: 47.477 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009815.D

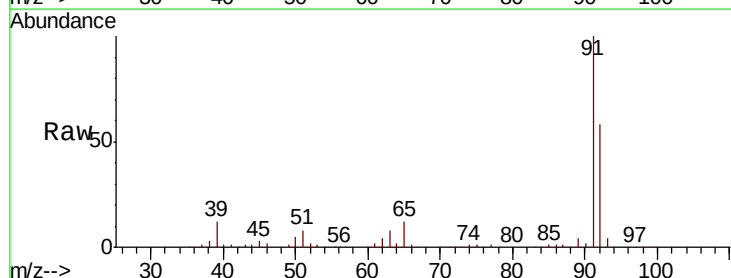
Acq: 22 May 2019 19:27

Tgt Ion: 92 Resp: 222945

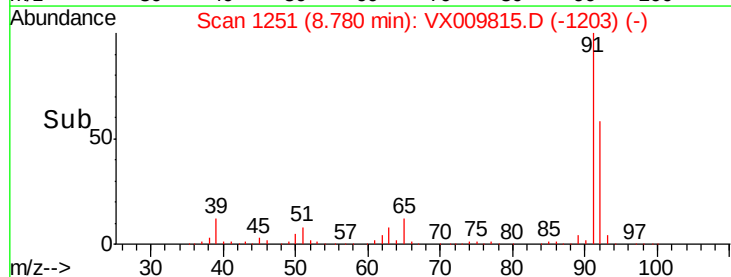
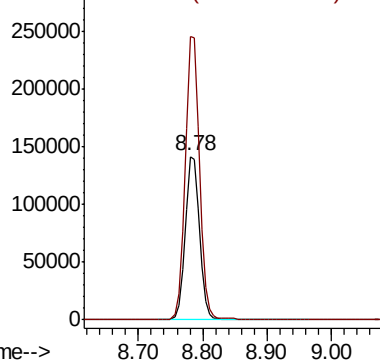
Ion Ratio Lower Upper

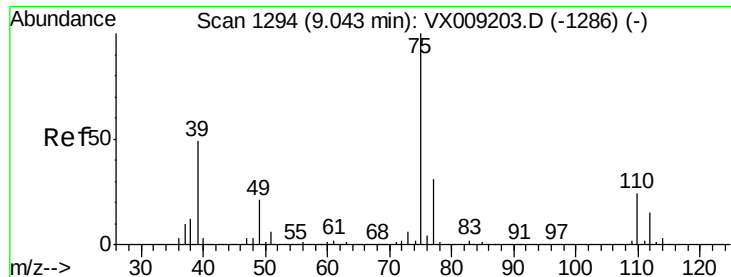
92 100

91 173.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 49.615 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

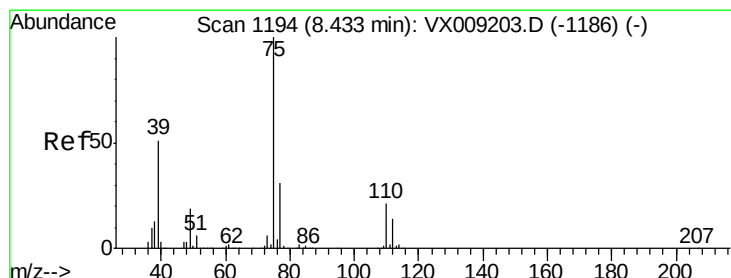
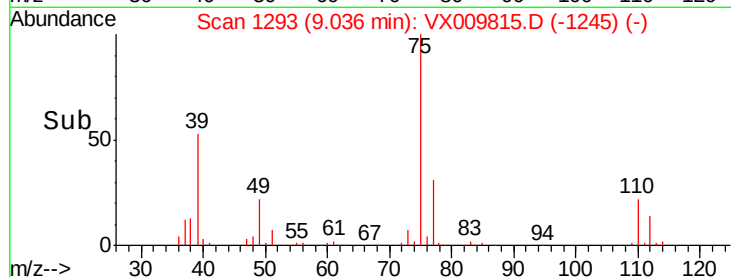
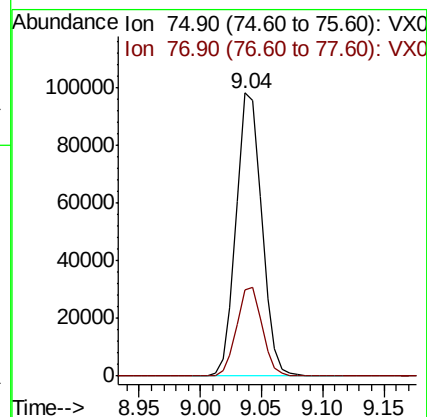
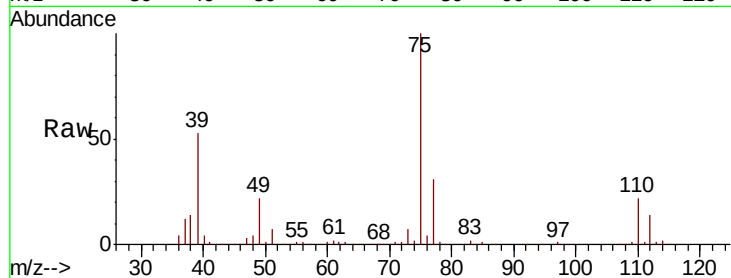
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 141935

Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 48.662 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

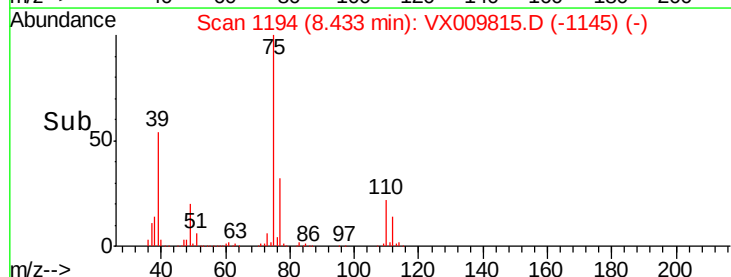
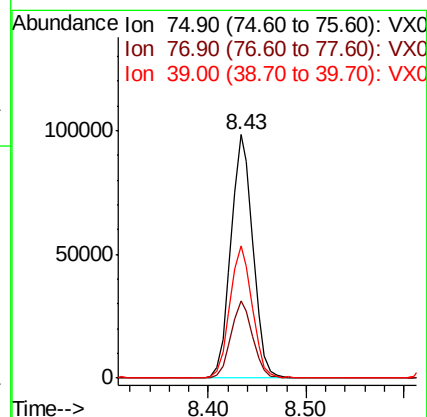
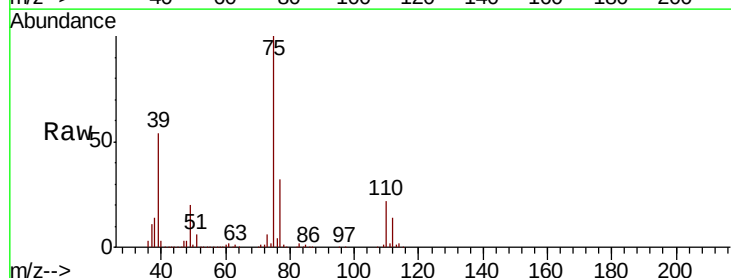
Tgt Ion: 75 Resp: 154082

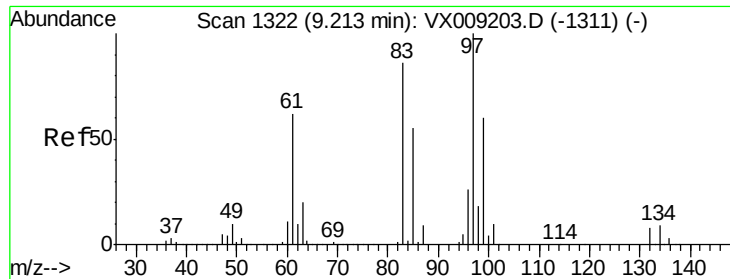
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 54.4 40.6 60.8

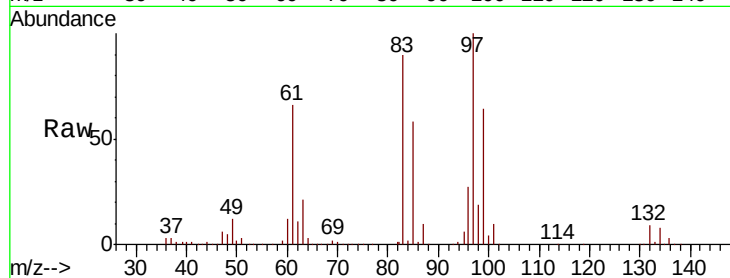




#55
 1,1,2-Trichloroethane
 Concen: 47.443 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	90890
Ion	Ratio	Lower	Upper
97	100		
83	90.0	68.9	103.3
85	58.4	43.8	65.6
99	63.5	48.2	72.2



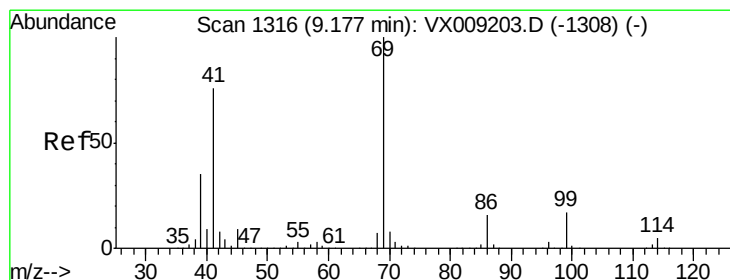
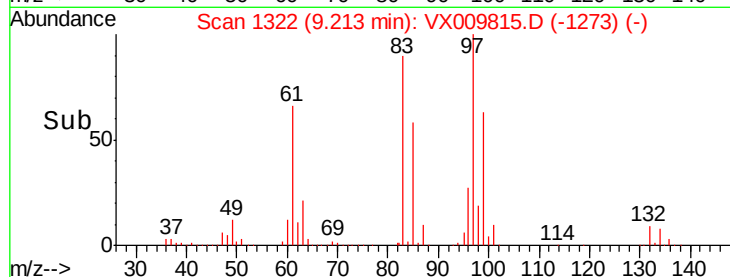
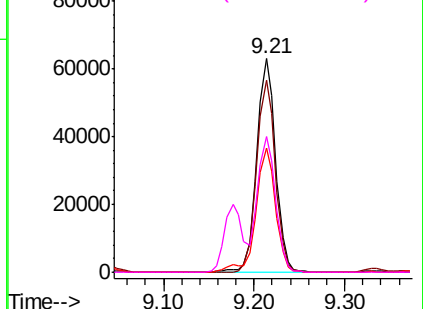
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

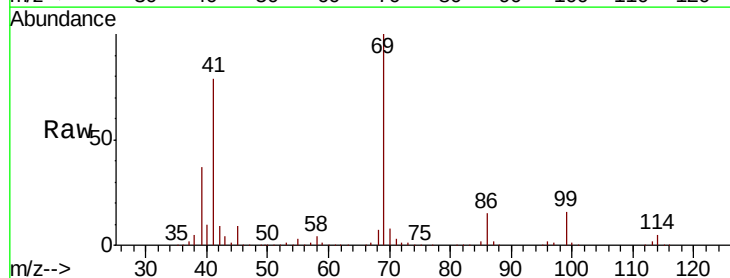
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 49.700 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion:	69	Resp:	169964
Ion	Ratio	Lower	Upper
69	100		
41	79.4	60.6	90.8
39	37.4	28.2	42.4

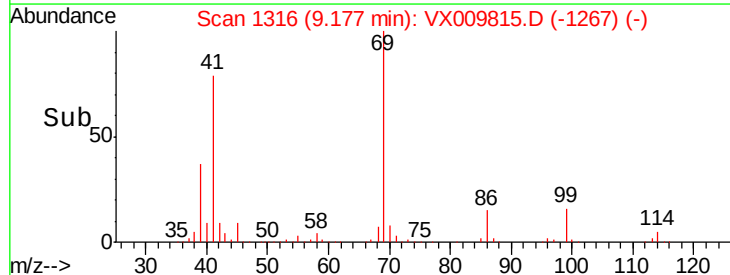
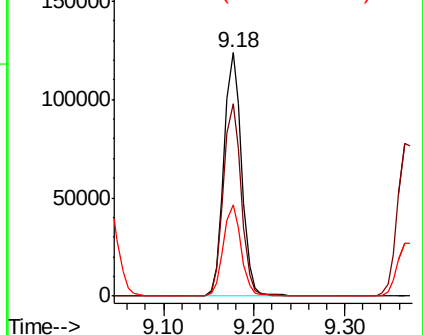


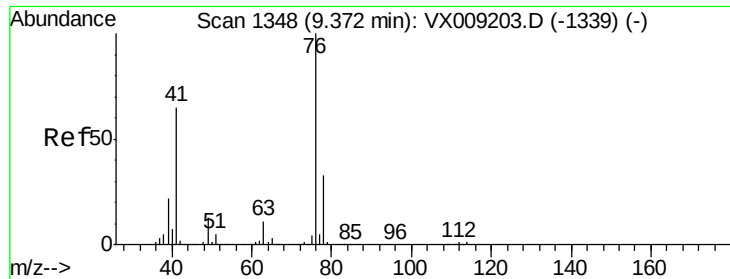
Abundance

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: 47.951 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

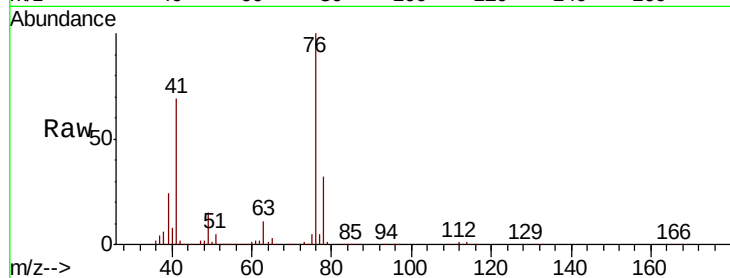
ClientSampled :

Tot Ion: 76 Resp: 161657

Ion Ratio Lower Upper

76 100

78 32.3 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

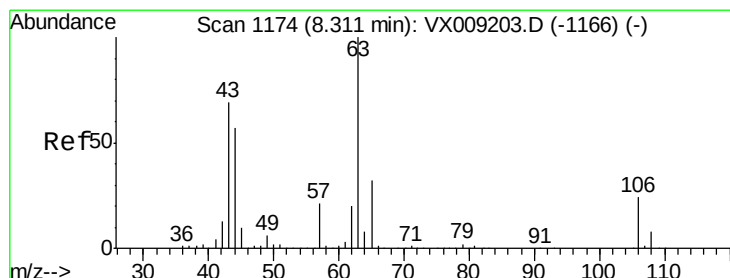
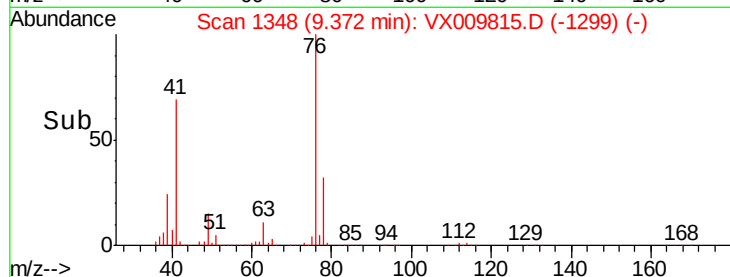
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 11.558 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009815.D

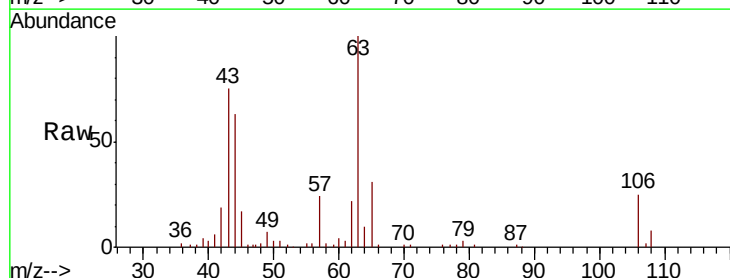
Acq: 22 May 2019 19:27

Tgt Ion: 63 Resp: 20968

Ion Ratio Lower Upper

63 100

106 23.3 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

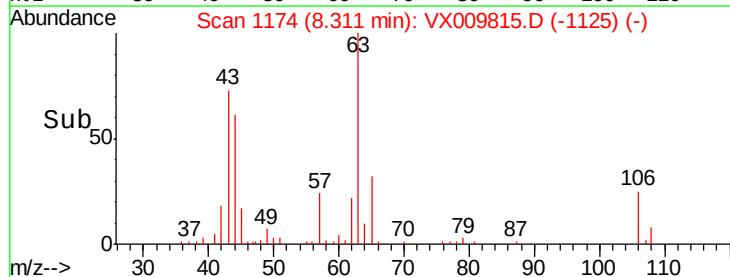
15000

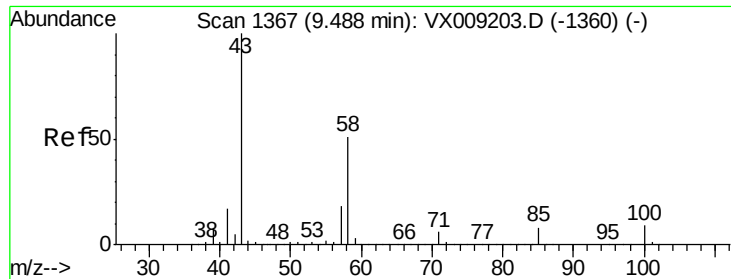
10000

5000

0

Time-->

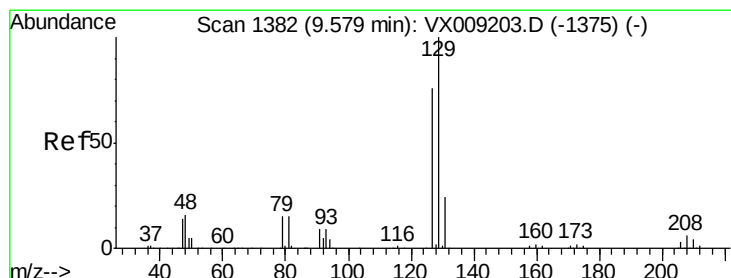
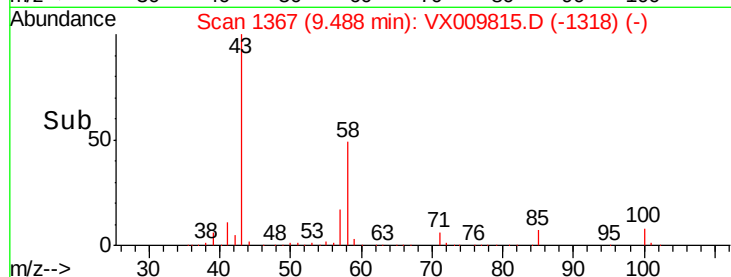
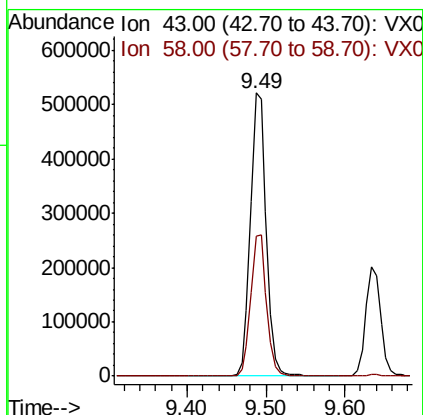
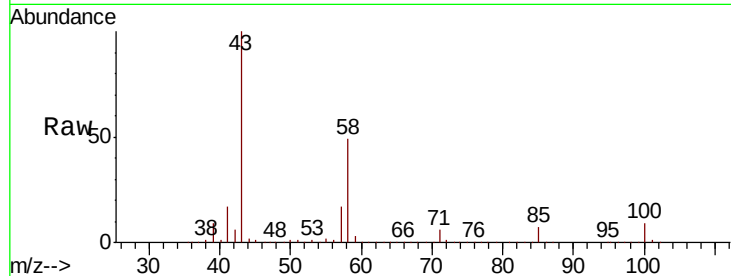




#59
2-Hexanone
Concen: 253.834 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

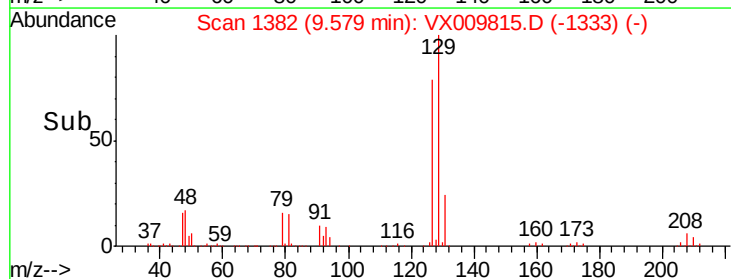
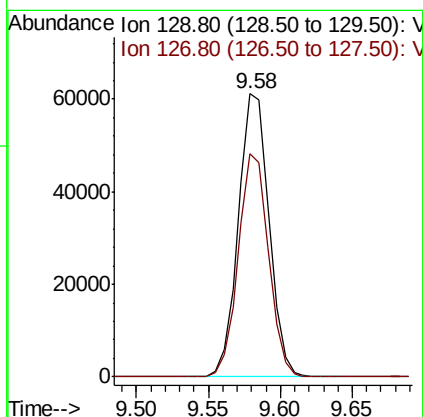
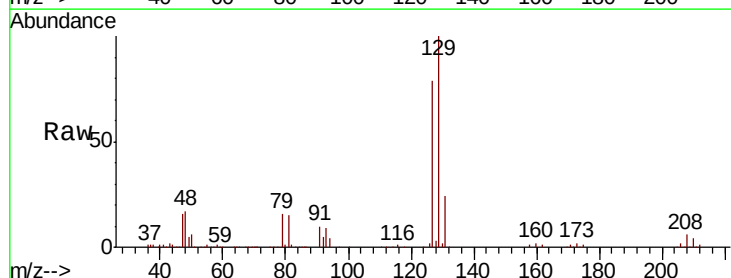
Instrument :
MSVOA_X
ClientSampled :

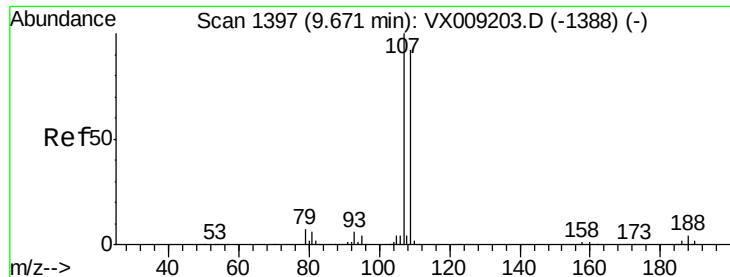
Tot Ion: 43 Resp: 724885
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.7



#60
Dibromochloromethane
Concen: 48.302 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion: 129 Resp: 90379
Ion Ratio Lower Upper
129 100
127 78.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 48.341 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

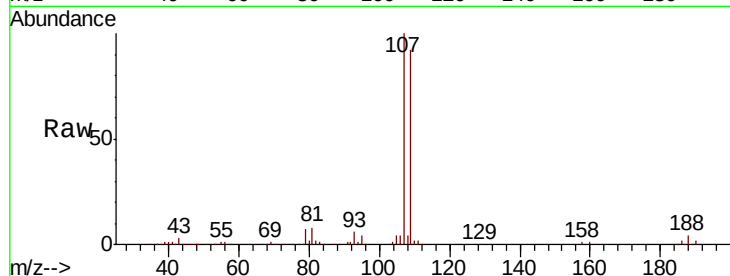
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:107 Resp: 93484

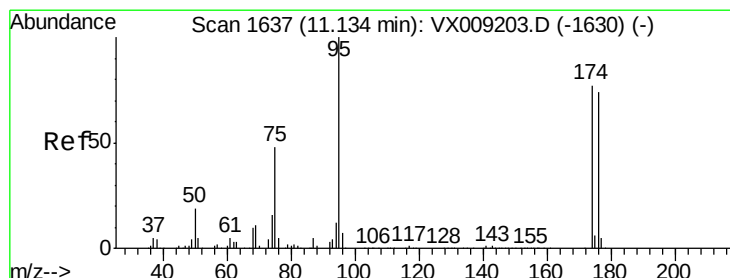
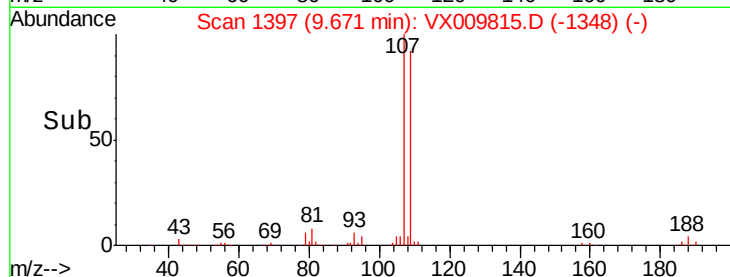
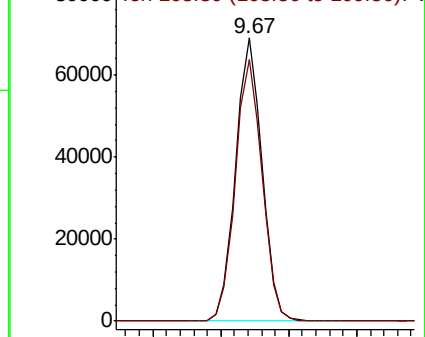
Ion Ratio Lower Upper

107 100

109 93.7 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.859 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

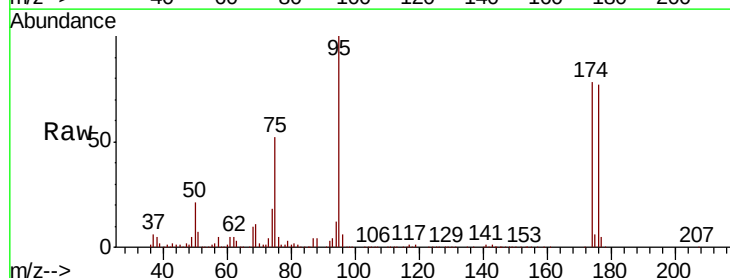
Tgt Ion: 95 Resp: 118548

Ion Ratio Lower Upper

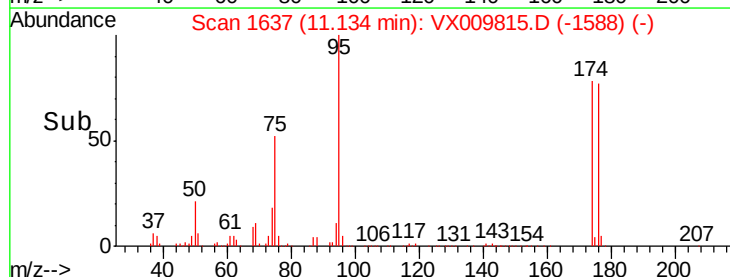
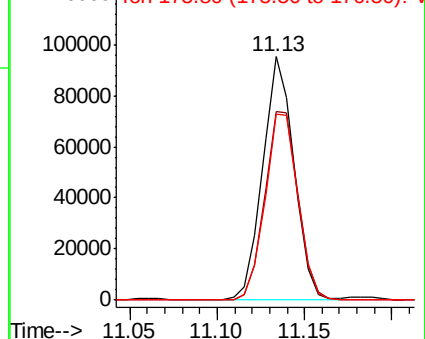
95 100

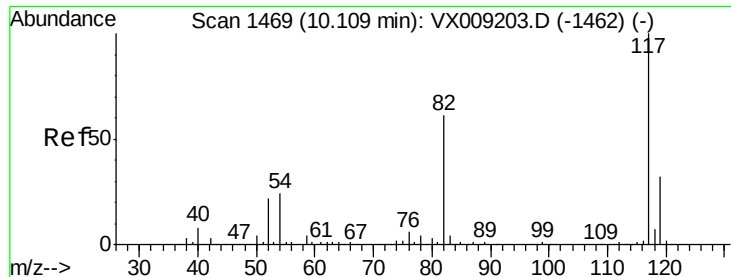
174 82.3 0.0 161.6

176 80.5 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

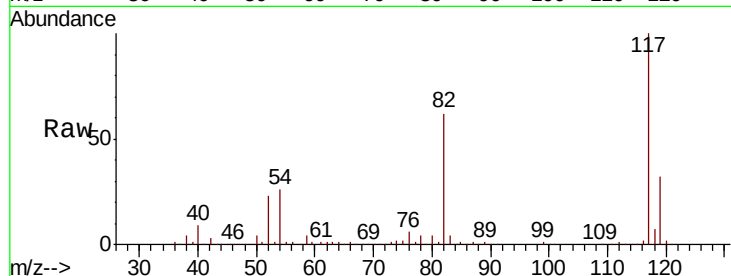




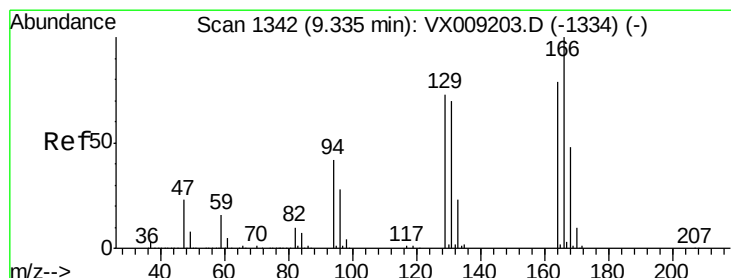
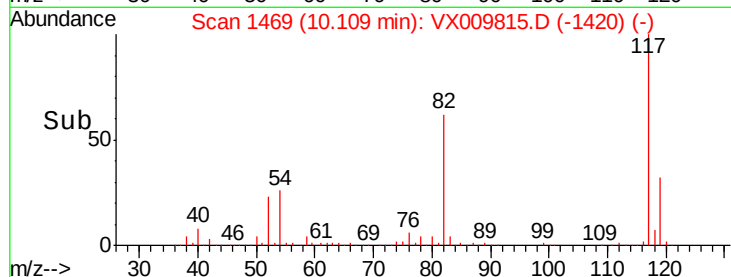
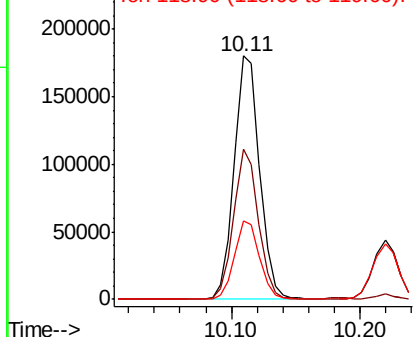
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 249841
Ion Ratio Lower Upper
117 100
82 61.5 48.8 73.2
119 32.1 25.8 38.6

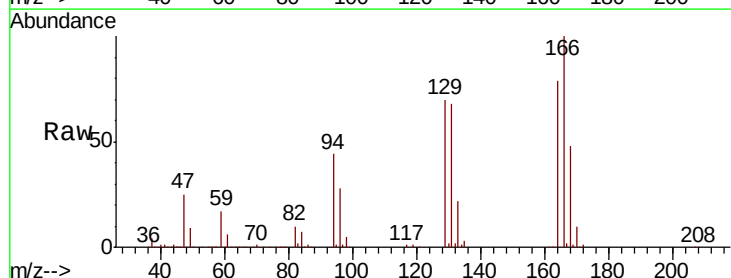


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

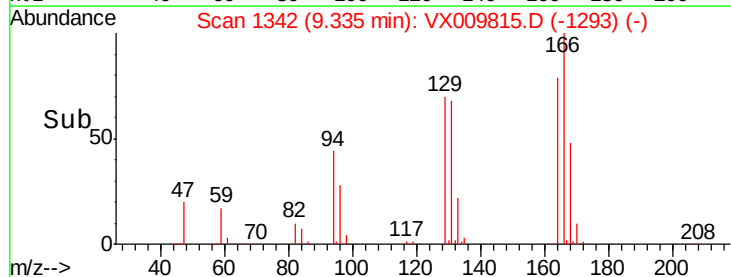
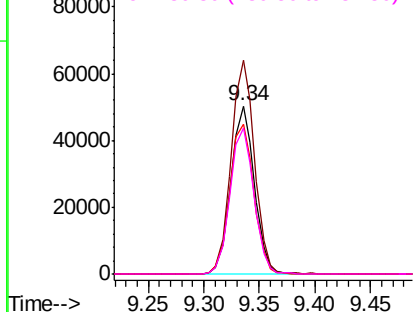


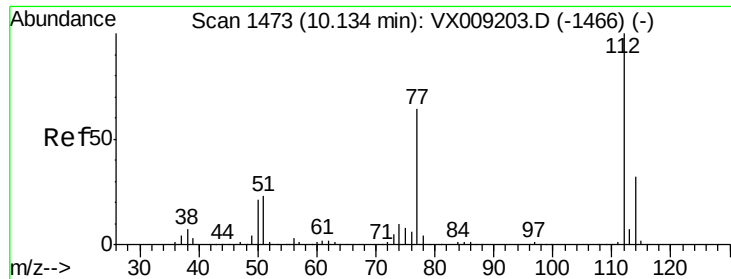
#64
Tetrachloroethene
Concen: 42.824 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion:164 Resp: 73391
Ion Ratio Lower Upper
164 100
166 126.9 101.2 151.8
129 88.8 74.3 111.5
131 86.8 71.0 106.6



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

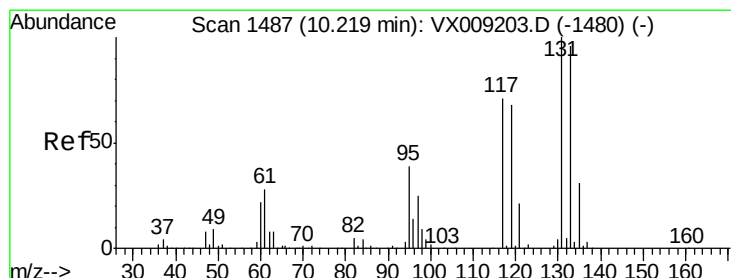
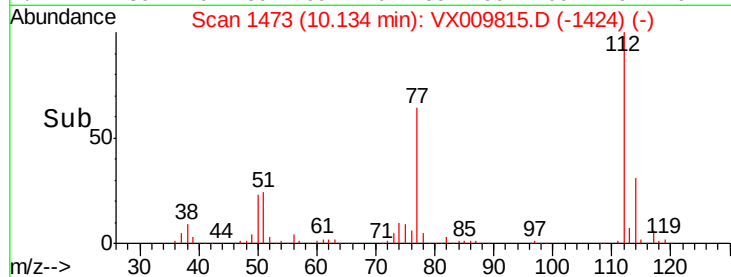
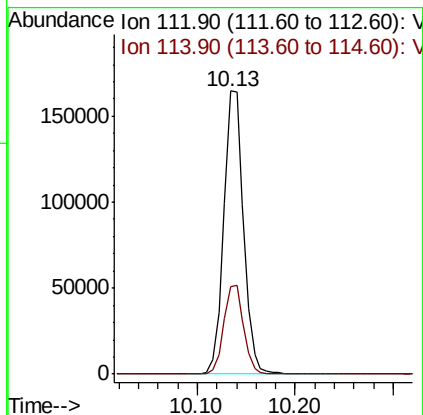
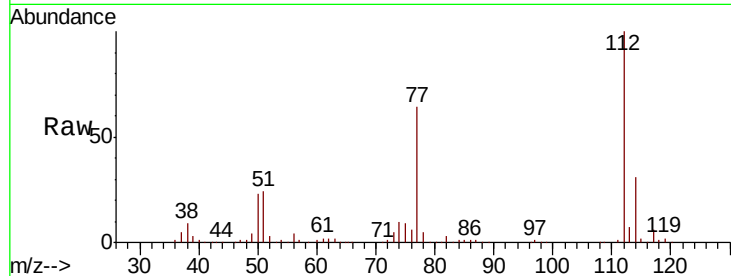




#65
Chlorobenzene
Concen: 46.162 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

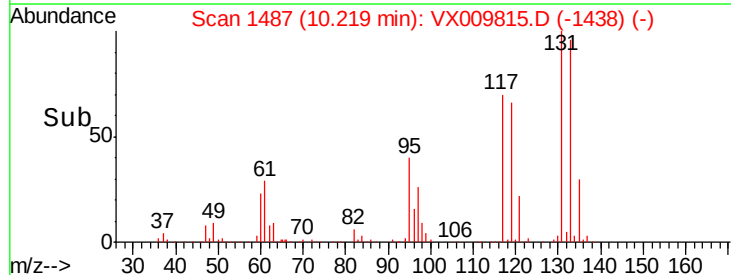
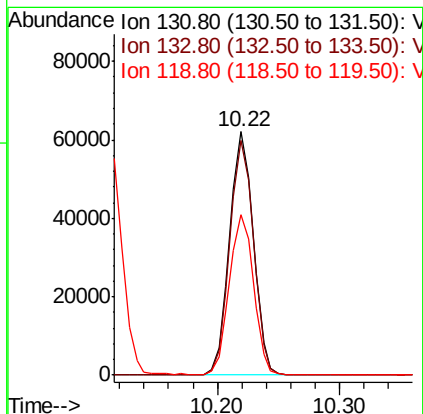
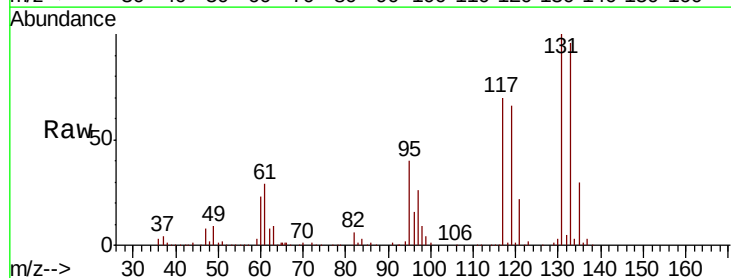
Instrument :
MSVOA_X
ClientSampleId :

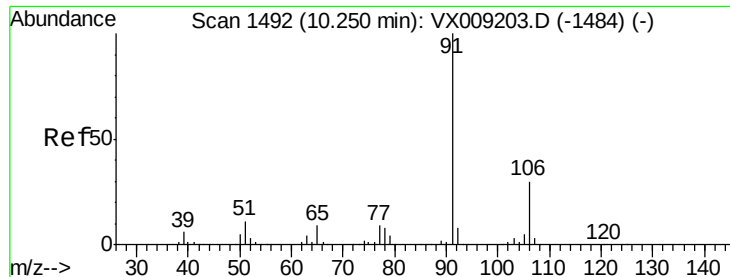
Tot Ion:112 Resp: 230717
Ion Ratio Lower Upper
112 100
114 31.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 45.974 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion:131 Resp: 83304
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 67.2 33.5 100.4

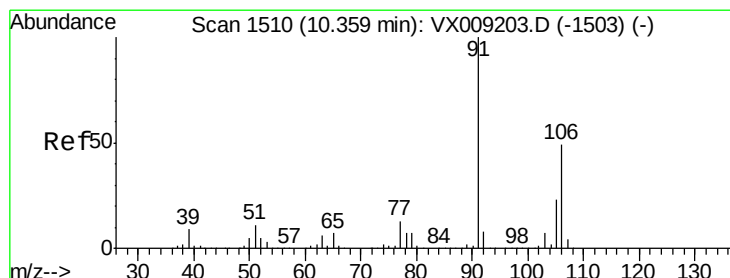
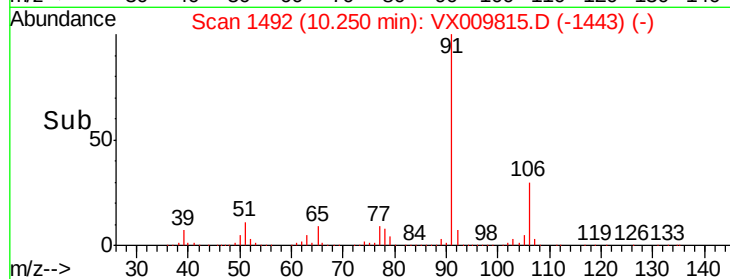
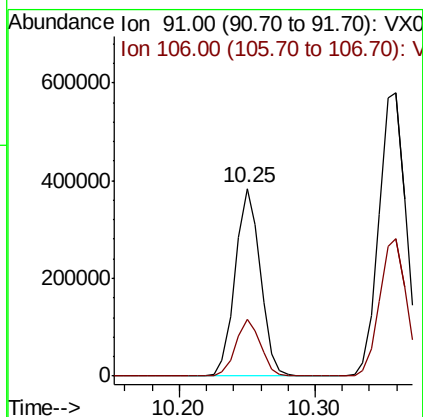
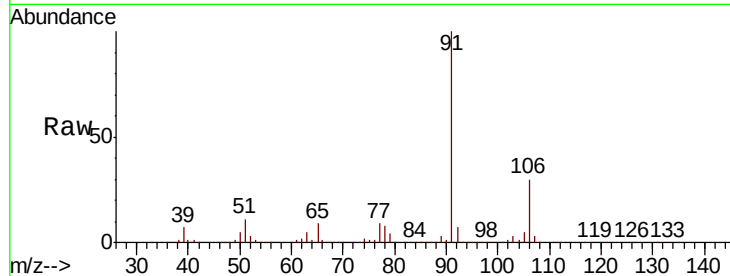




#67
Ethyl Benzene
Concen: 53.981 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

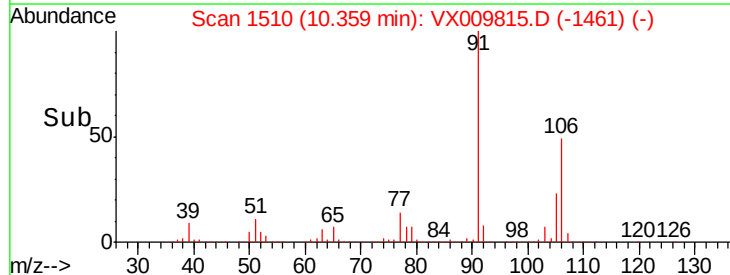
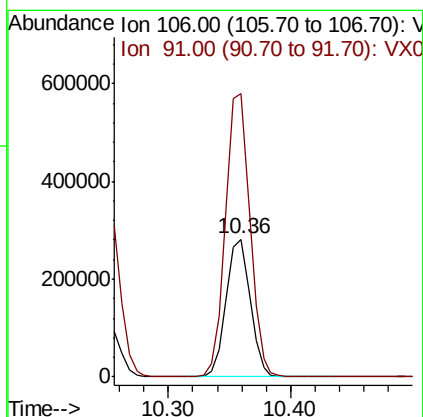
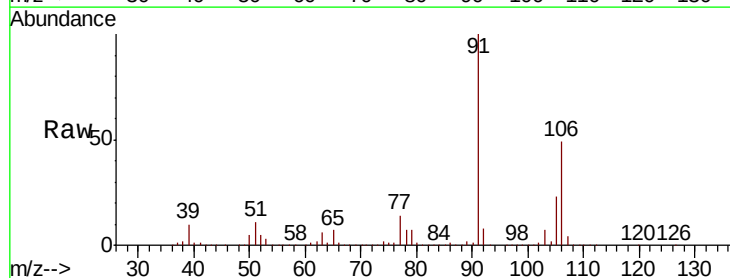
Instrument :
MSVOA_X
ClientSampleId :

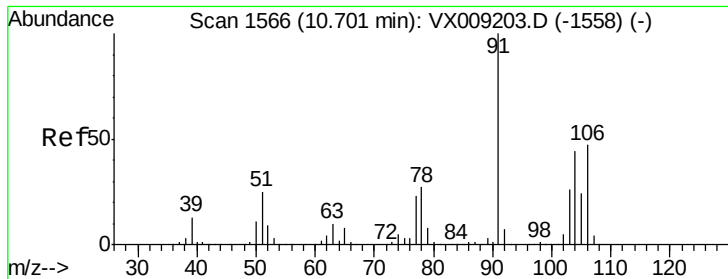
Tot Ion: 91 Resp: 496525
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0



#68
m/p-Xylenes
Concen: 114.407 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion: 106 Resp: 384554
Ion Ratio Lower Upper
106 100
91 208.9 164.0 246.0

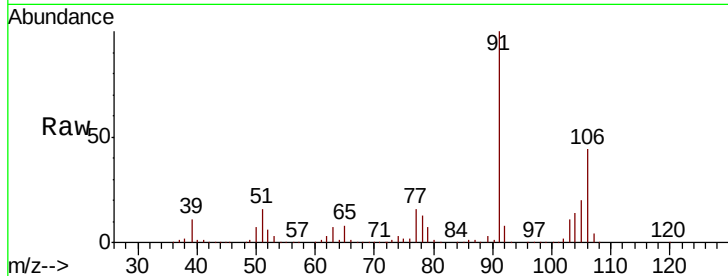




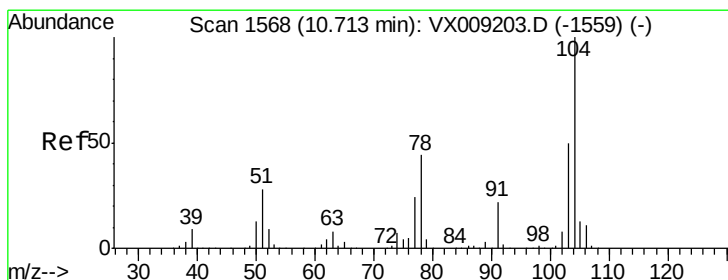
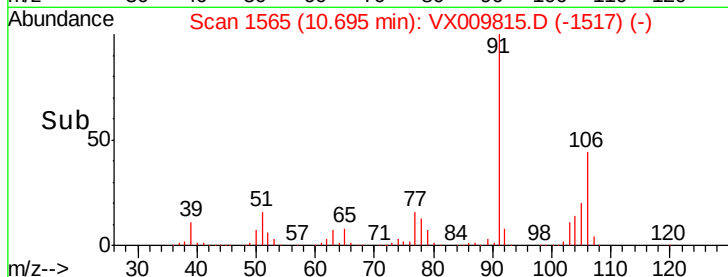
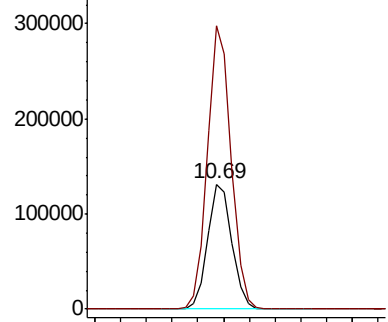
#69
o-Xylene
Concen: 51.945 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 172272
Ion Ratio Lower Upper
106 100
91 221.4 109.5 328.4

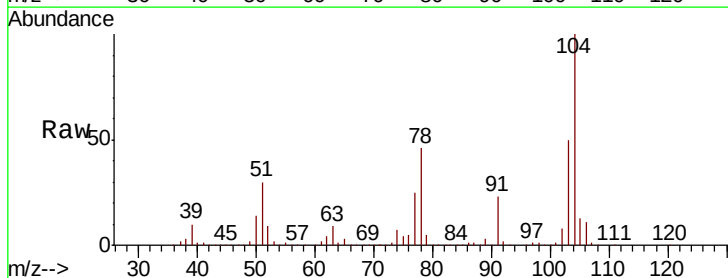


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

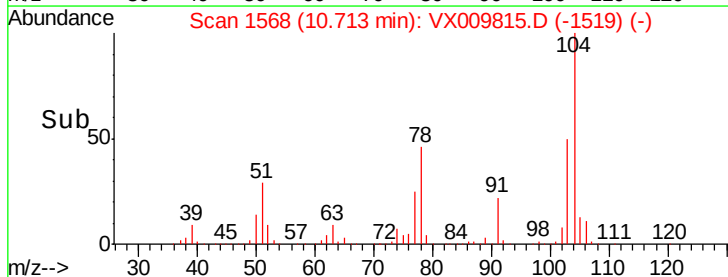
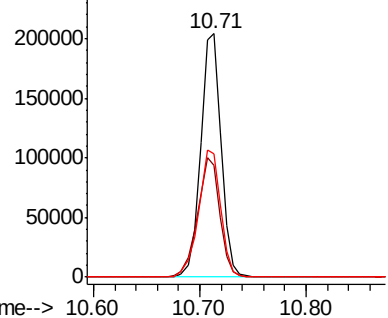


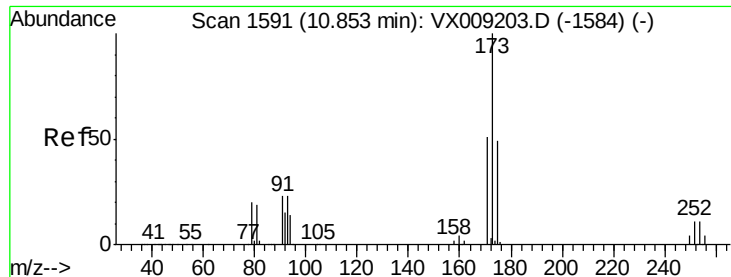
#70
Styrene
Concen: 47.554 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion:104 Resp: 274110
Ion Ratio Lower Upper
104 100
78 53.5 41.0 61.4
103 56.4 43.8 65.6



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





#71

Bromoform

Concen: 47.700 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

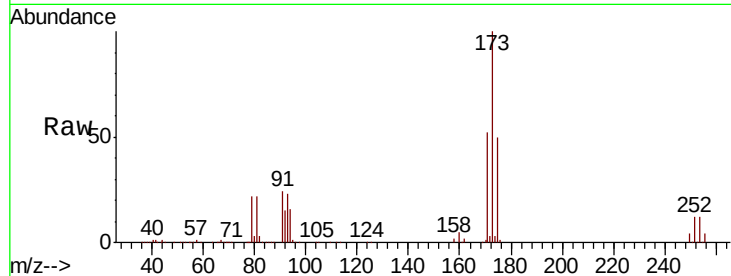
Tot Ion:173 Resp: 70238

Ion Ratio Lower Upper

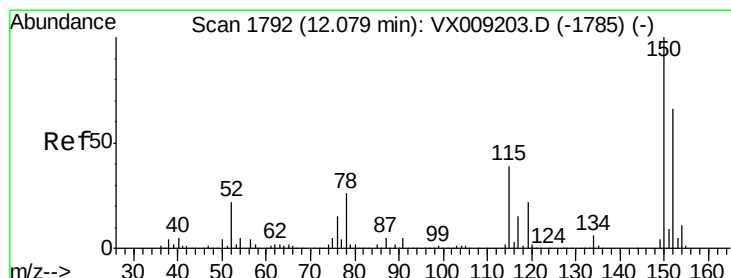
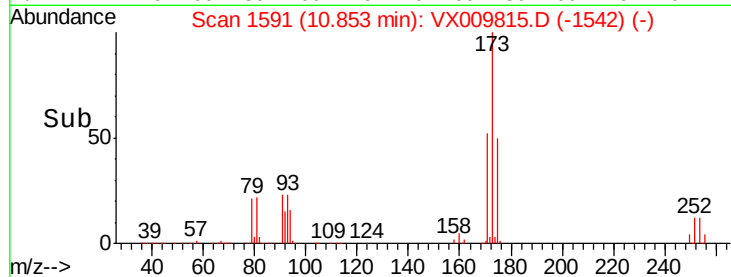
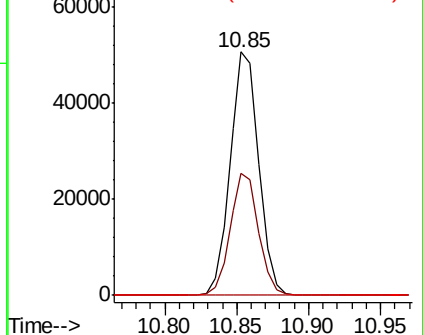
173 100

175 50.0 24.5 73.5

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

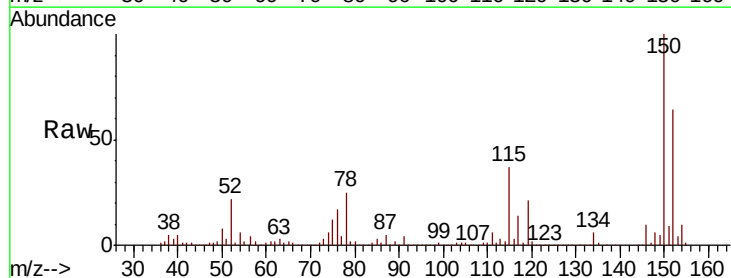
Tgt Ion:152 Resp: 124056

Ion Ratio Lower Upper

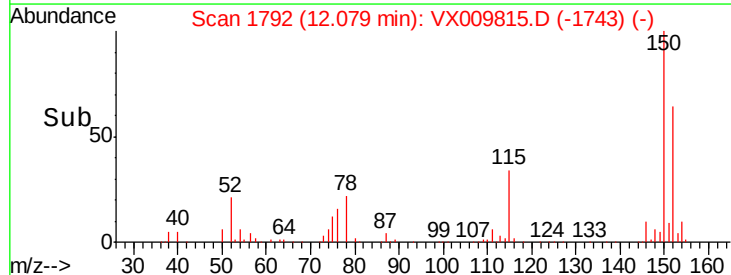
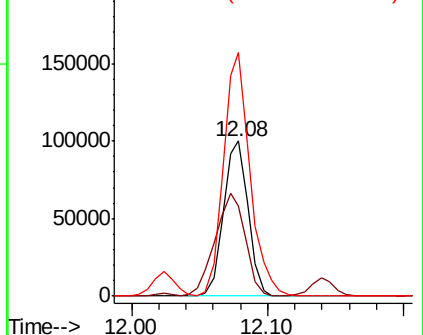
152 100

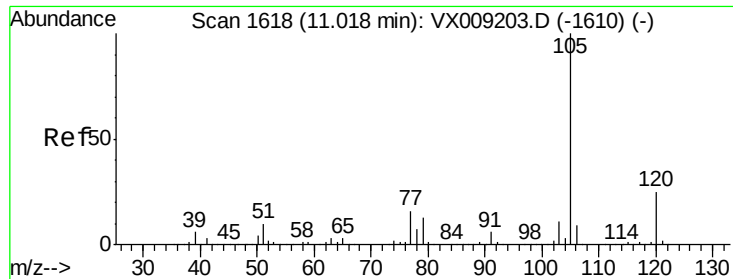
115 81.6 41.2 123.6

150 170.2 0.0 346.4



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

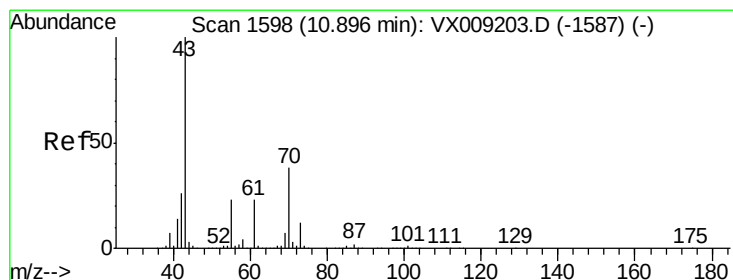
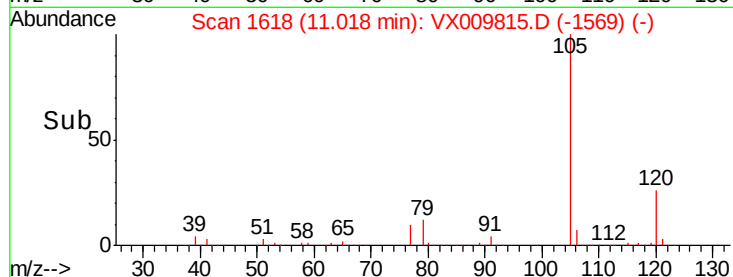
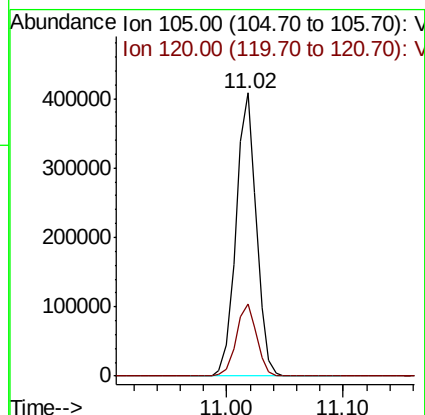
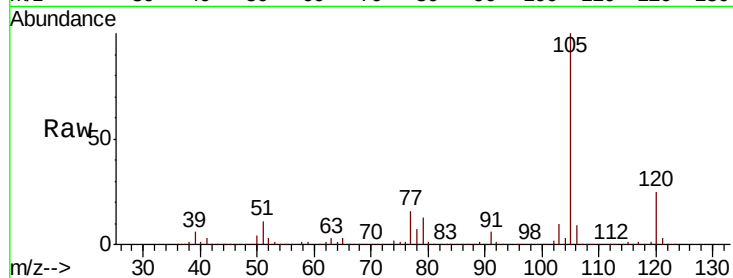




#73
Isopropylbenzene
Concen: 54.897 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

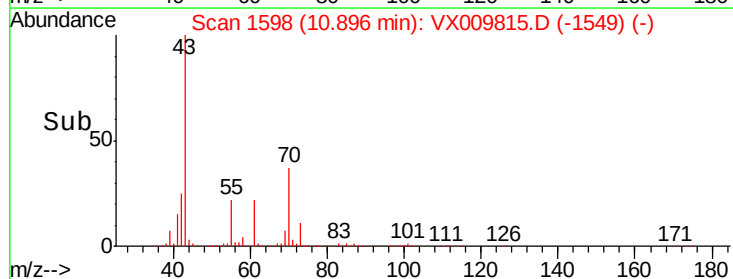
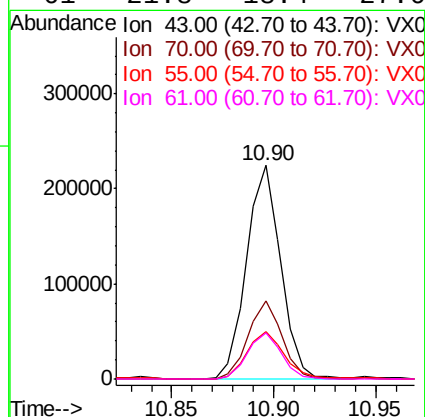
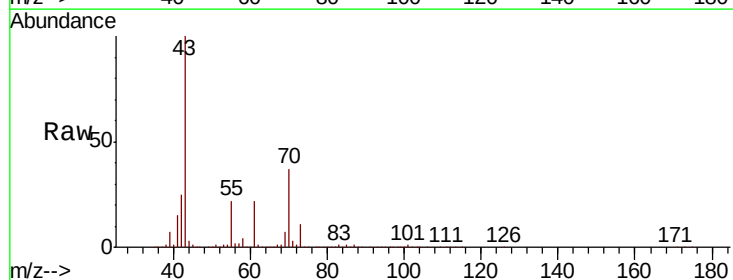
Instrument :
MSVOA_X
ClientSampleId :

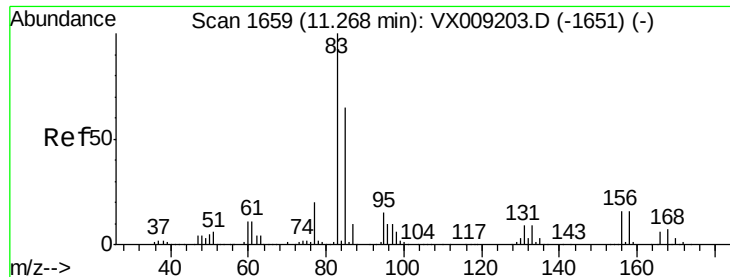
Tot Ion:105 Resp: 495239
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.3



#74
N-ethyl acetate
Concen: 49.781 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009815.D
Acq: 22 May 2019 19:27

Tgt Ion: 43 Resp: 261821
Ion Ratio Lower Upper
43 100
70 36.3 30.0 45.0
55 24.8 17.9 26.9
61 21.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.038 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

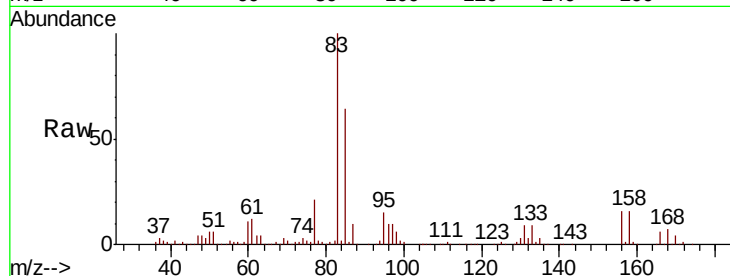
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 83 Resp: 154825

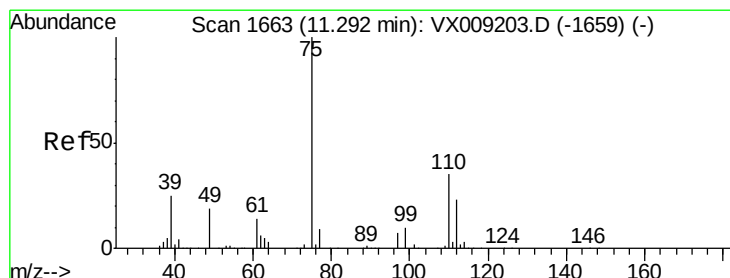
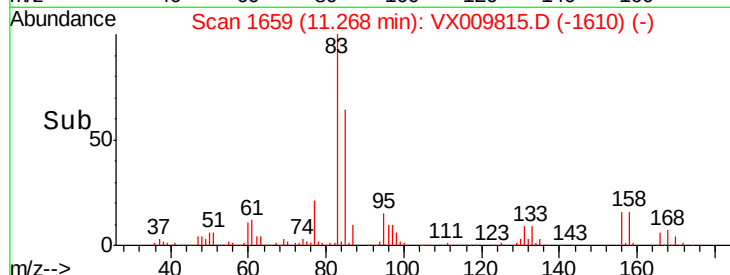
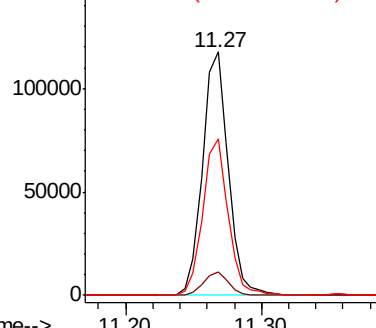
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.6	13.8
85	63.4	32.0	96.2



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: 63.337 ug/l

RT: 11.29 min Scan# 1663

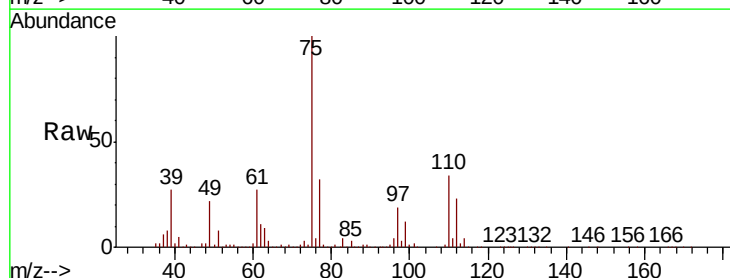
Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

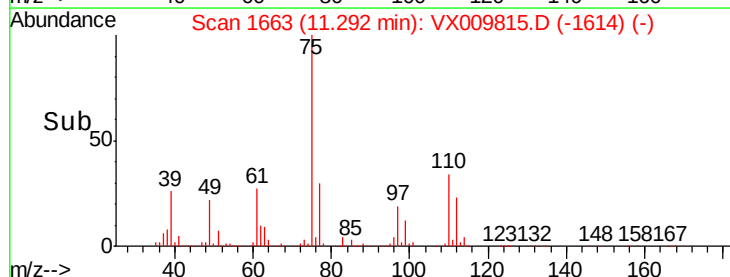
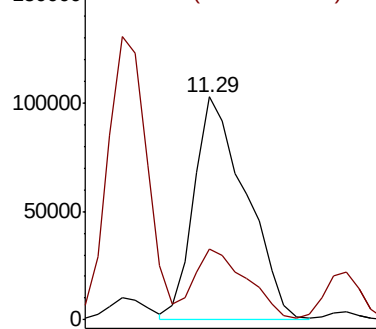
Tgt Ion: 75 Resp: 182261

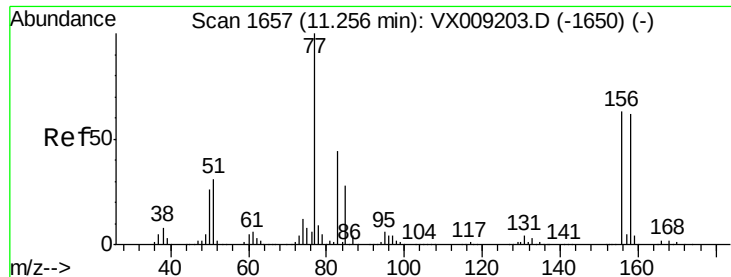
Ion	Ratio	Lower	Upper
75	100		
77	32.3	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.626 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

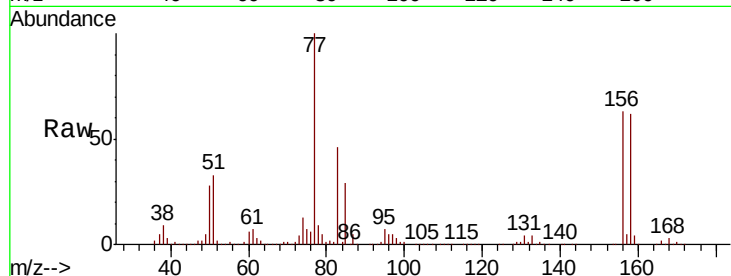
Tot Ion:156 Resp: 102161

Ion Ratio Lower Upper

156 100

77 171.1 84.8 254.3

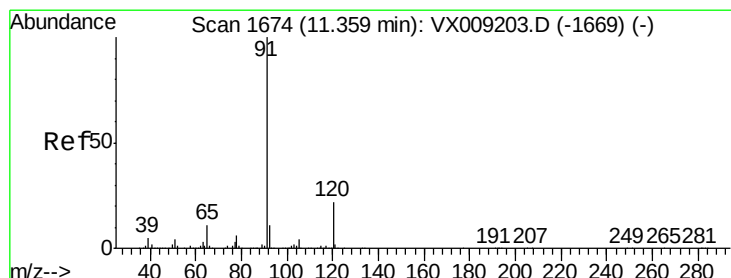
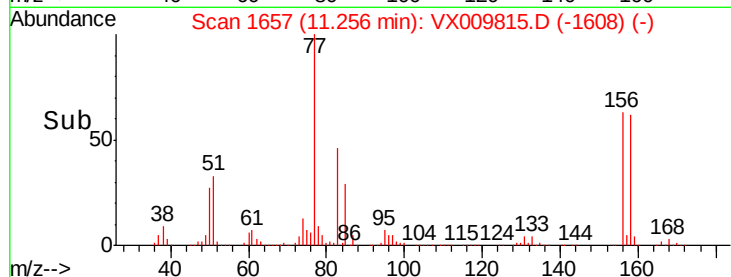
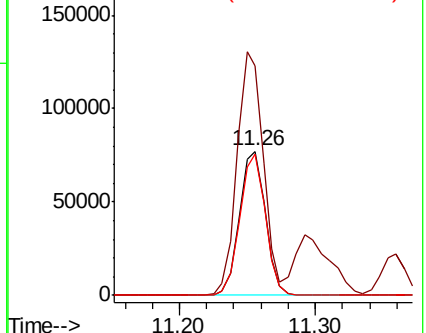
158 96.8 49.1 147.3



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: 66.280 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009815.D

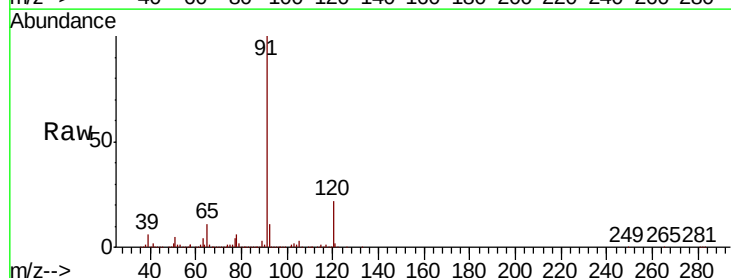
Acq: 22 May 2019 19:27

Tgt Ion: 91 Resp: 682860

Ion Ratio Lower Upper

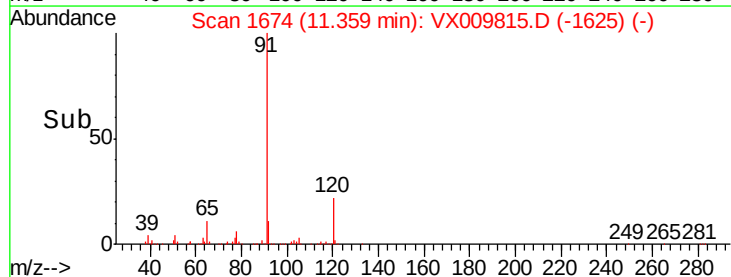
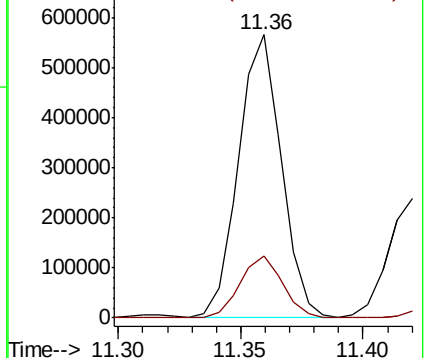
91 100

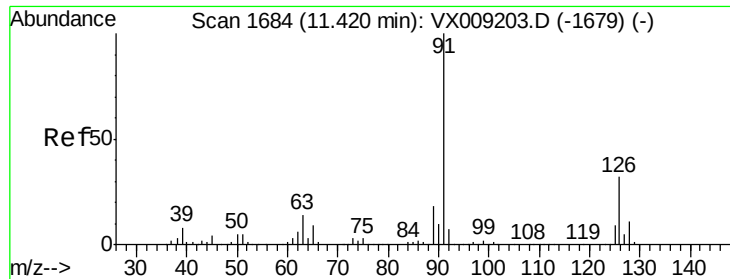
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

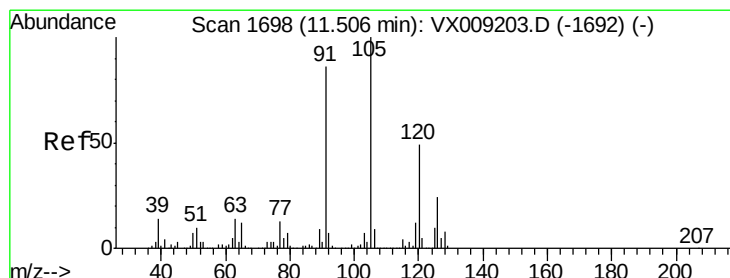
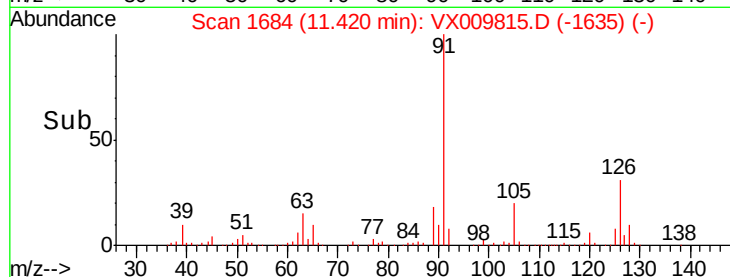
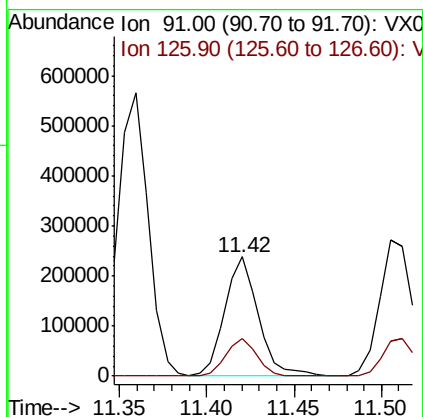
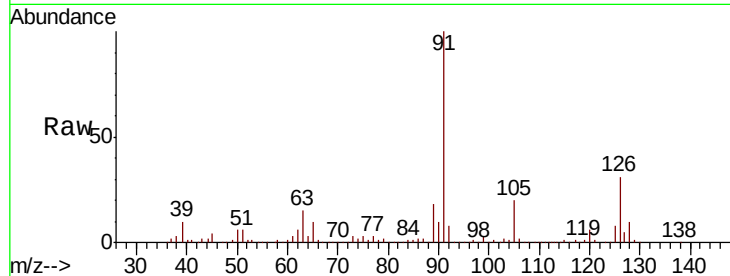




#79
 2-Chlorotoluene
 Concen: 49.674 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

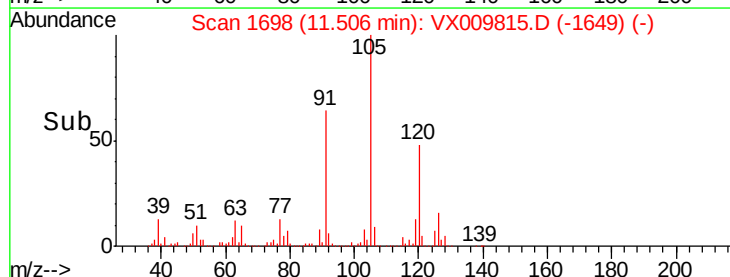
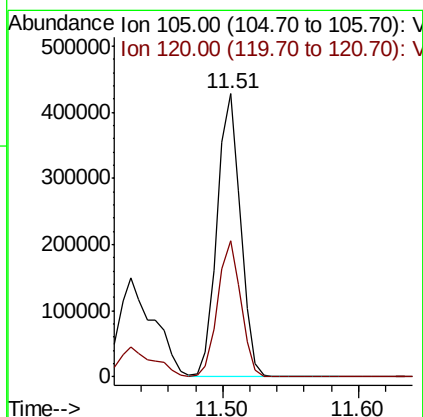
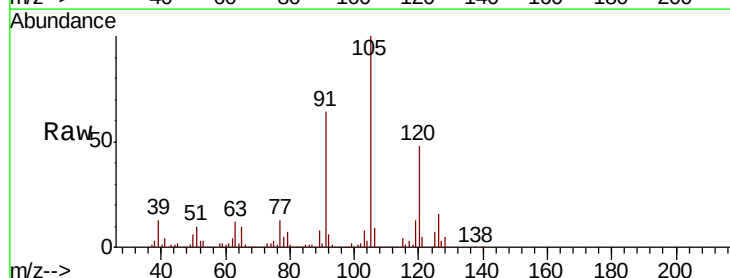
Instrument :
 MSVOA_X
 ClientSampled :

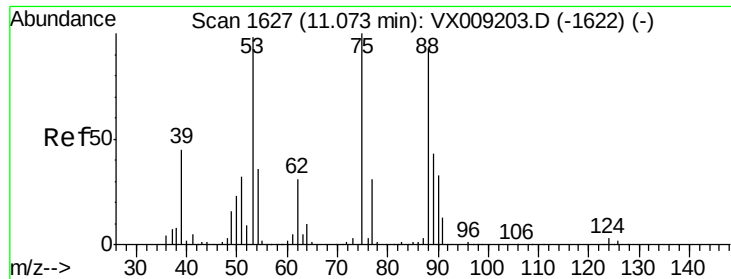
Tot Ion: 91 Resp: 315738
 Ion Ratio Lower Upper
 91 100
 126 29.4 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 67.202 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion:105 Resp: 510463
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 46.786 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

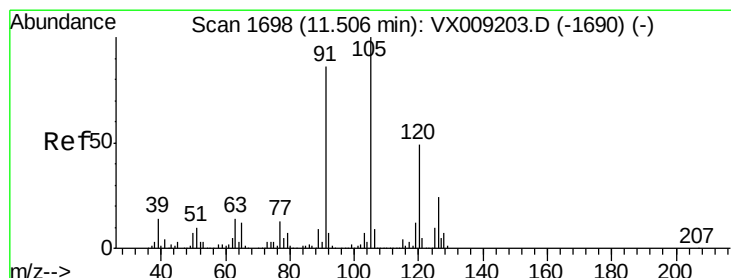
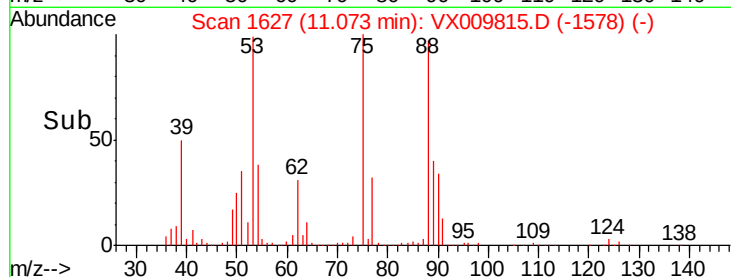
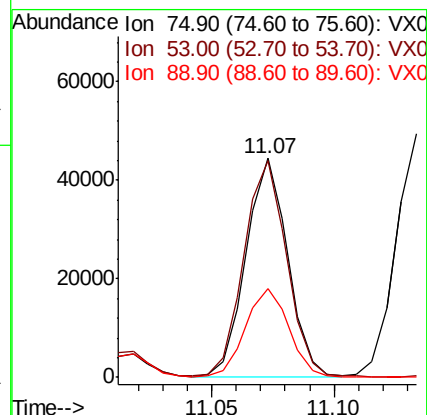
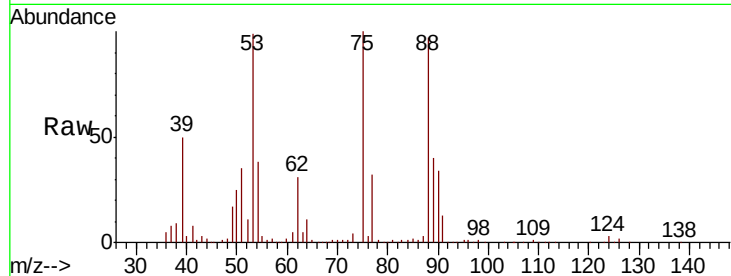
Tot Ion: 75 Resp: 52619

Ion Ratio Lower Upper

75 100

53 100.8 79.0 118.6

89 42.4 34.7 52.1



#82

4-Chlorotoluene

Concen: 48.599 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009815.D

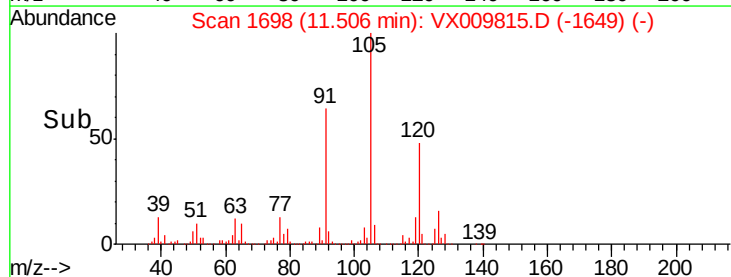
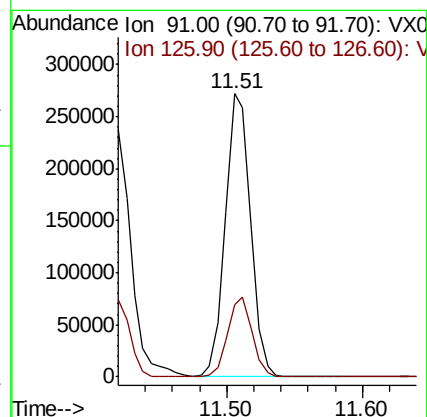
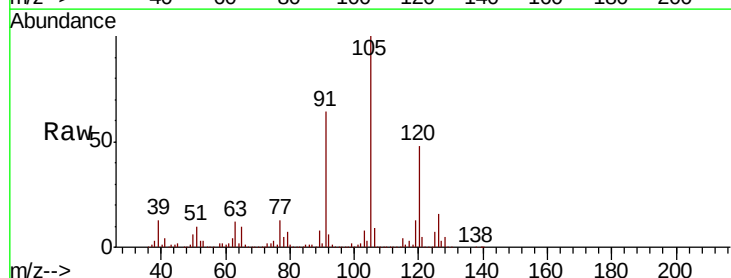
Acq: 22 May 2019 19:27

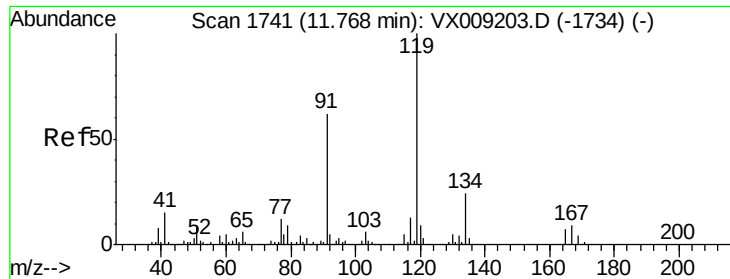
Tgt Ion: 91 Resp: 348976

Ion Ratio Lower Upper

91 100

126 27.1 14.5 43.6

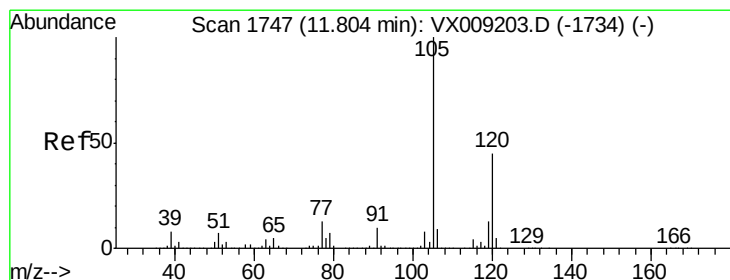
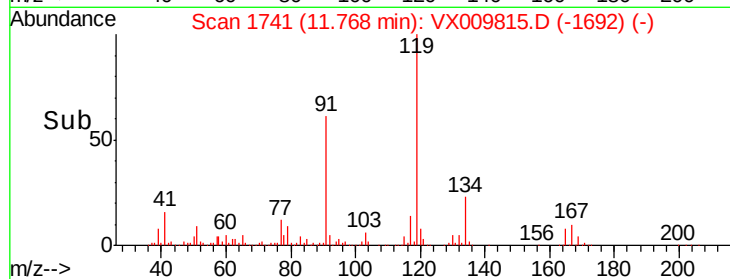
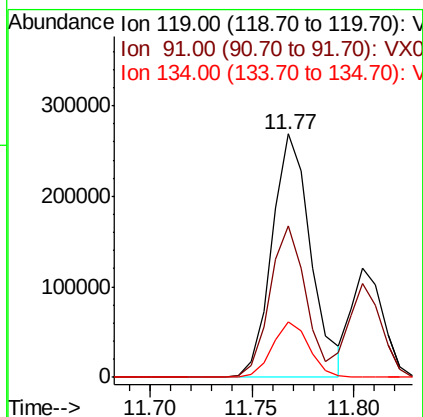
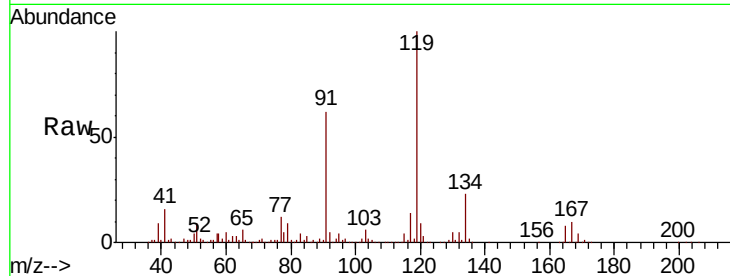




#83
 tert-Butylbenzene
 Concen: 48.399 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

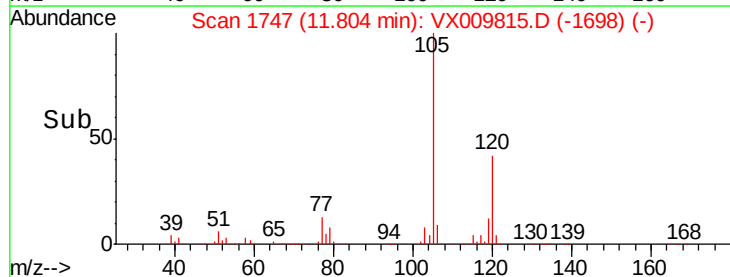
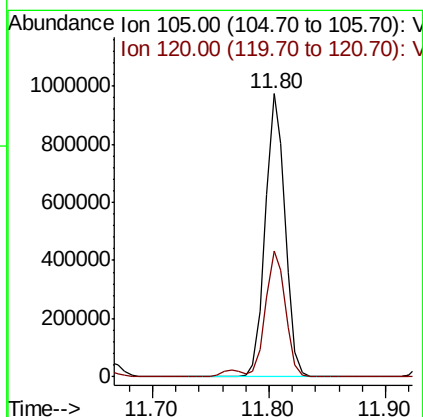
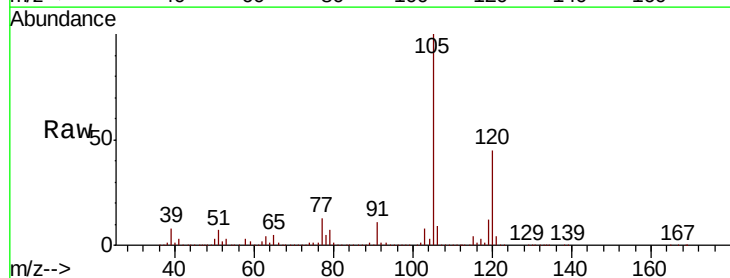
Instrument :
 MSVOA_X
 ClientSampleId :

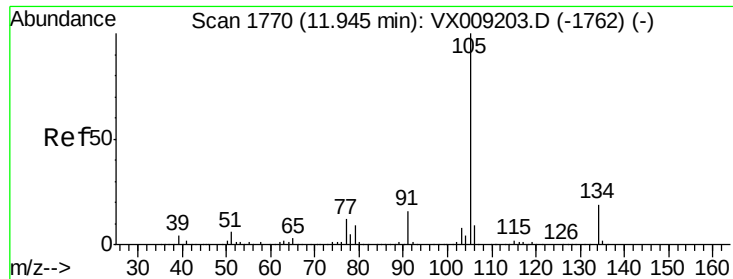
Tot Ion:119 Resp: 357628
 Ion Ratio Lower Upper
 119 100
 91 57.1 29.5 88.5
 134 21.5 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 150.786 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion:105 Resp: 1149647
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.0 66.0





#85

sec-Butylbenzene

Concen: 50.991 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

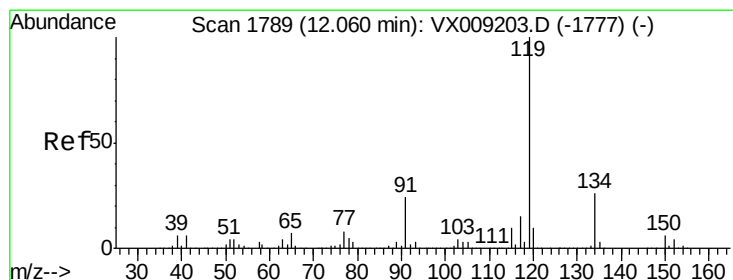
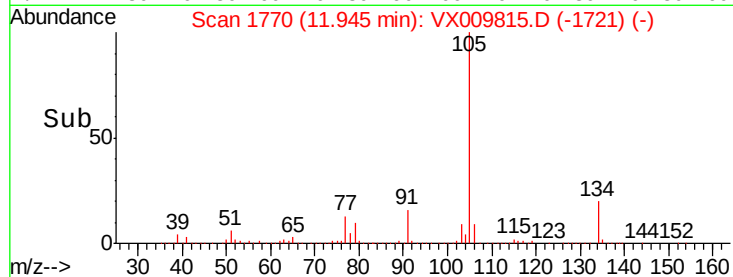
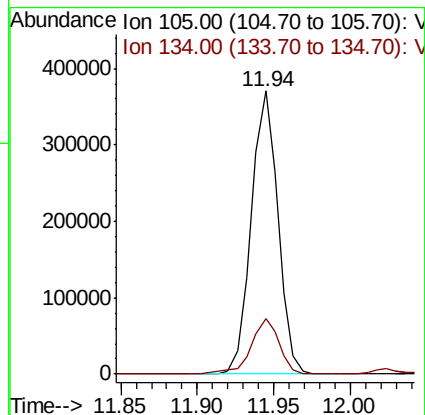
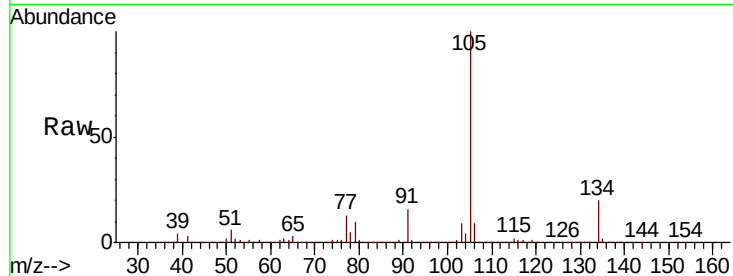
ClientSampleId :

Tot Ion:105 Resp: 446709

Ion Ratio Lower Upper

105 100

134 20.6 9.7 28.9



#86

p-Isopropyltoluene

Concen: 48.940 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

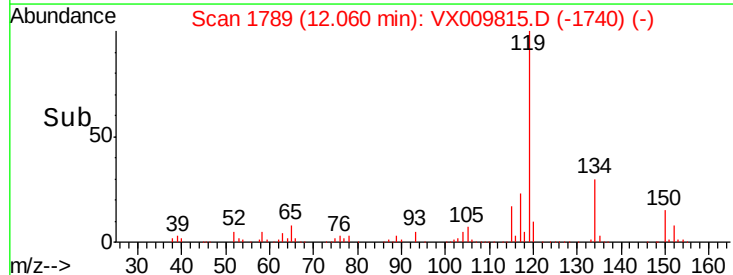
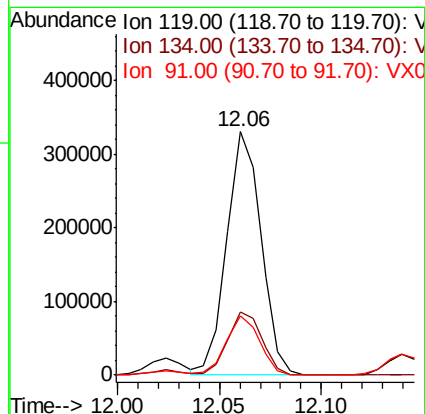
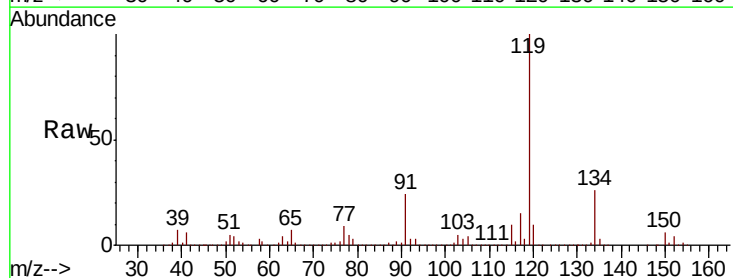
Tgt Ion:119 Resp: 385436

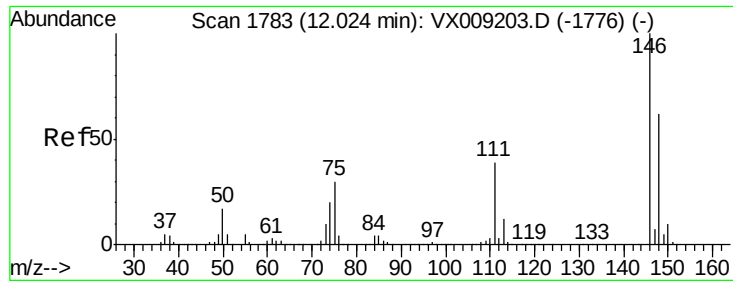
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 23.8 11.8 35.4

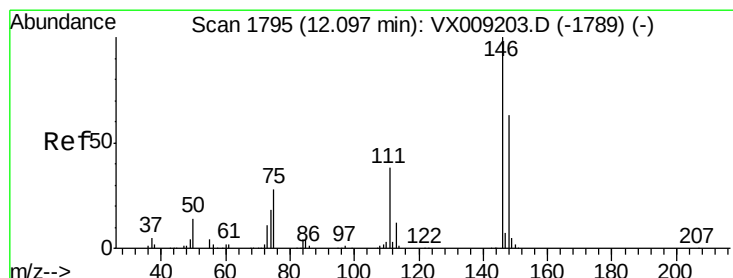
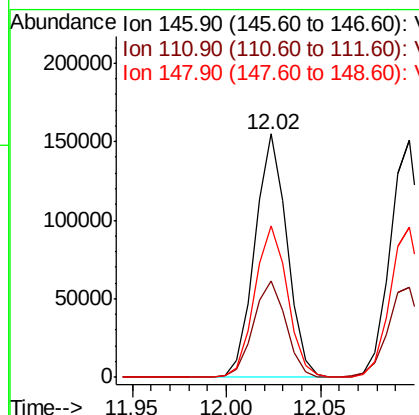
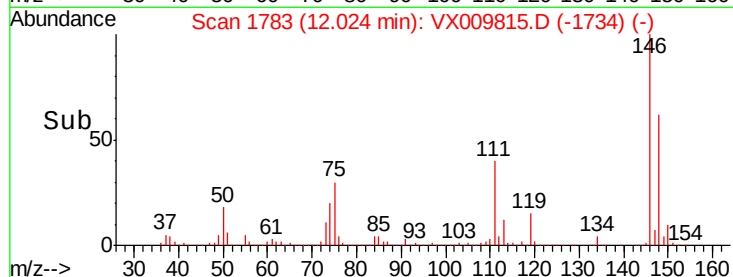
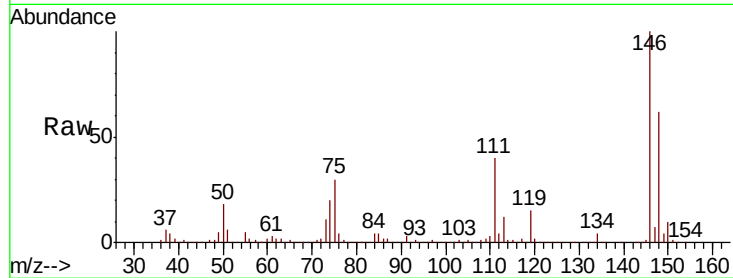




#87
 1,3-Dichlorobenzene
 Concen: 45.801 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

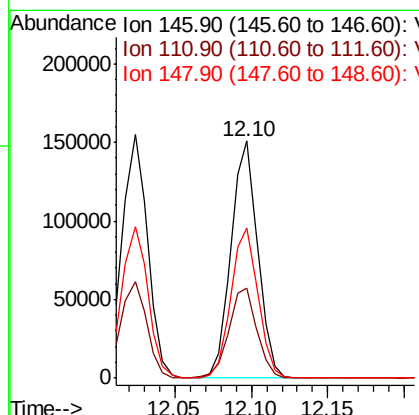
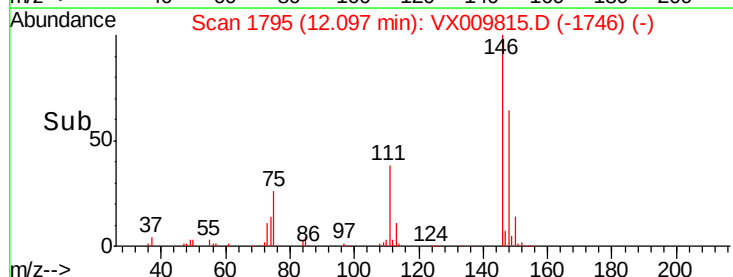
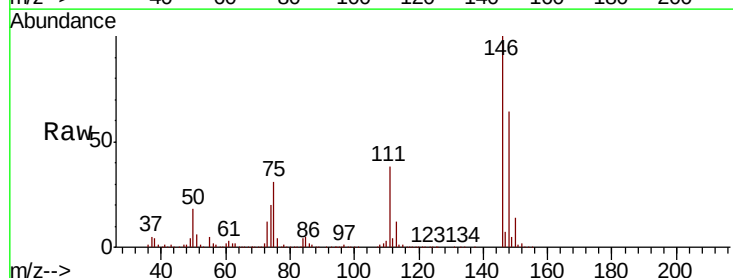
Instrument :
 MSVOA_X
 ClientSampleId :

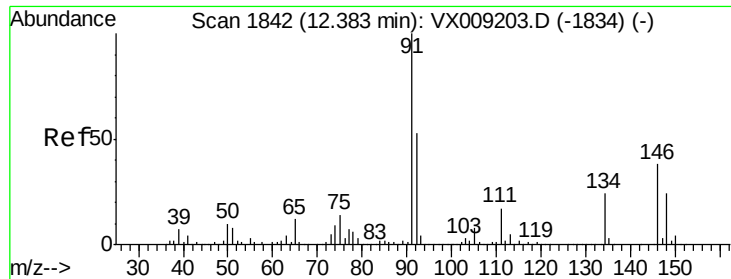
Tot Ion:146 Resp: 182821
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 59.9
 148 63.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 45.352 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion:146 Resp: 182510
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.6 58.8
 148 64.1 31.8 95.3





#89

n-Butylbenzene

Concen: 53.321 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

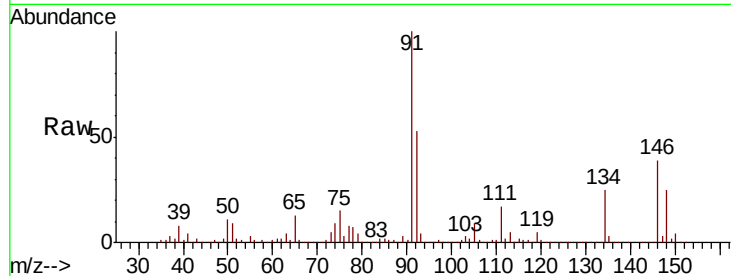
Tot Ion: 91 Resp: 379554

Ion Ratio Lower Upper

91 100

92 51.7 26.5 79.5

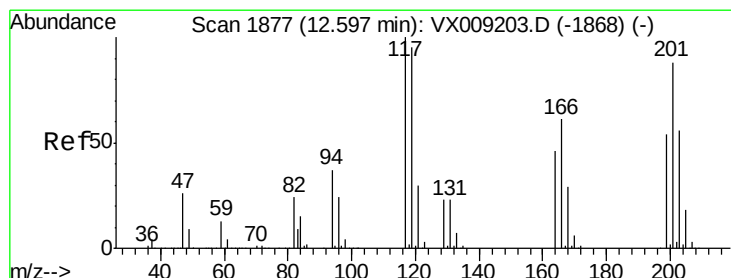
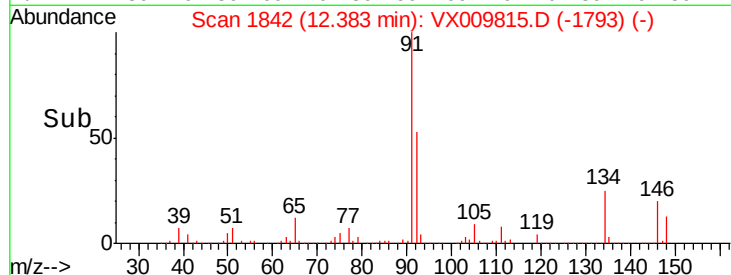
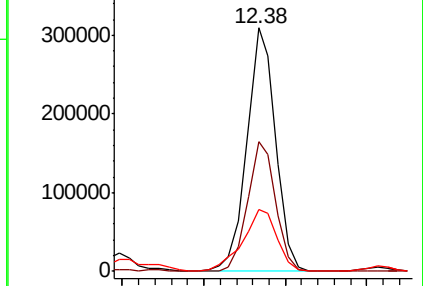
134 30.3 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX009815.D (-1793) (-)

Ion 92.00 (91.70 to 92.70): VX009815.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX009815.D (-1793) (-)



#90

Hexachloroethane

Concen: 51.073 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009815.D

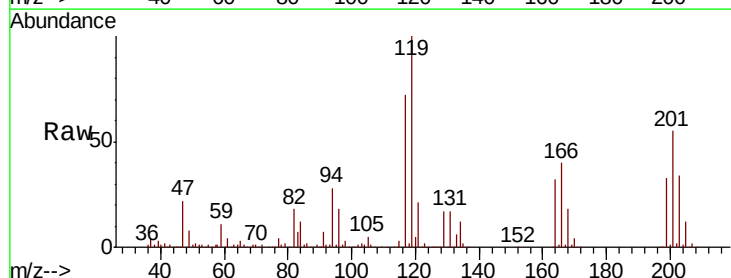
Acq: 22 May 2019 19:27

Tgt Ion: 117 Resp: 68527

Ion Ratio Lower Upper

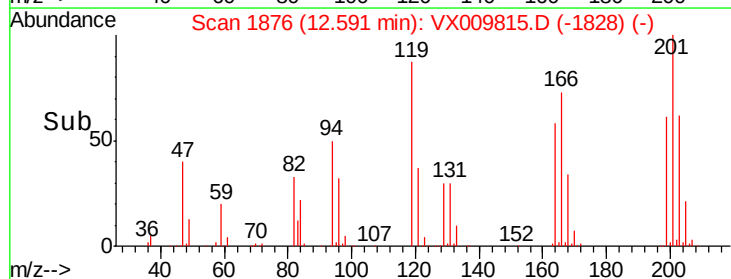
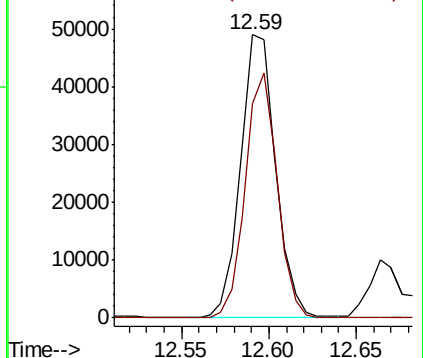
117 100

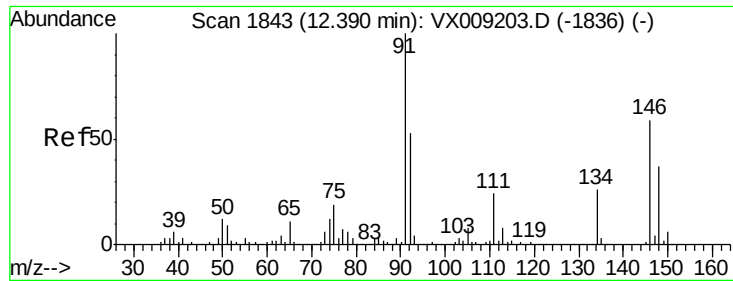
201 78.3 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): VX009815.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX009815.D (-1828) (-)

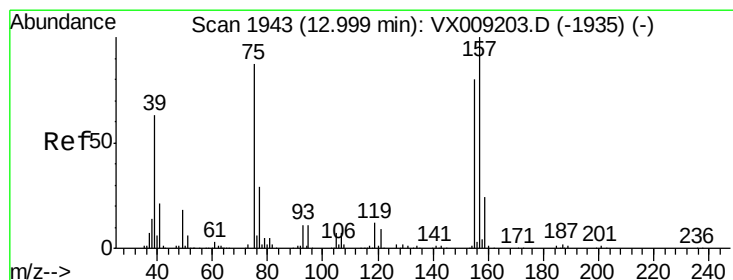
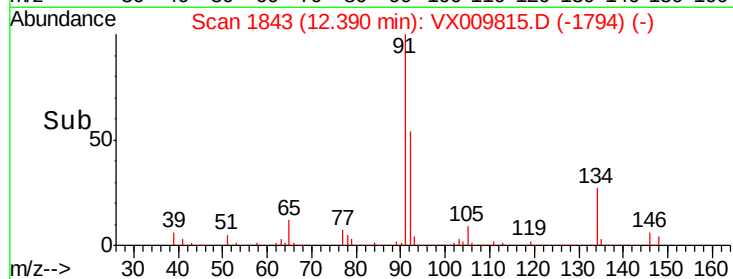
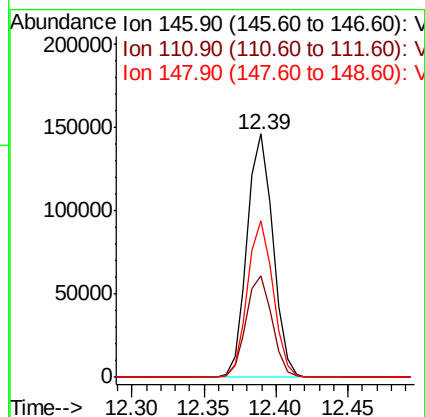
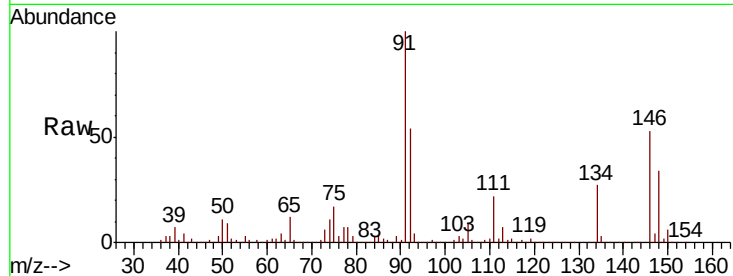




#91
 1,2-Dichlorobenzene
 Concen: 44.644 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

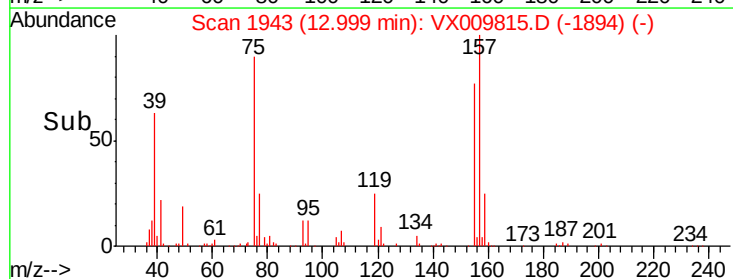
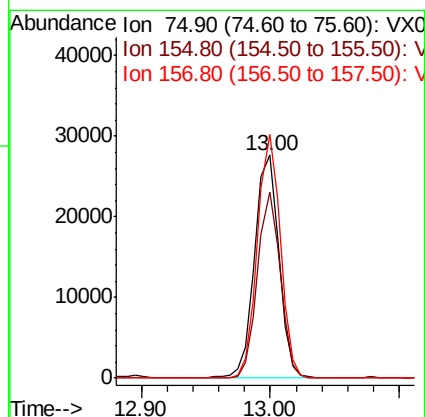
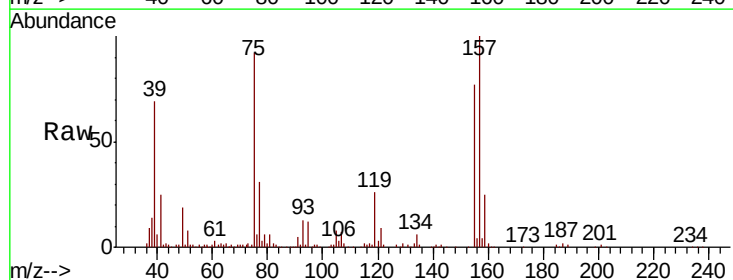
Instrument :
 MSVOA_X
 ClientSampleId :

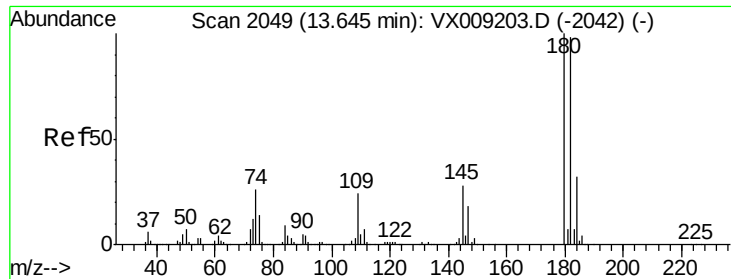
Tot Ion:146 Resp: 181504
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.4
 148 63.9 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.377 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion: 75 Resp: 35742
 Ion Ratio Lower Upper
 75 100
 155 78.5 42.0 126.0
 157 102.9 53.2 159.6

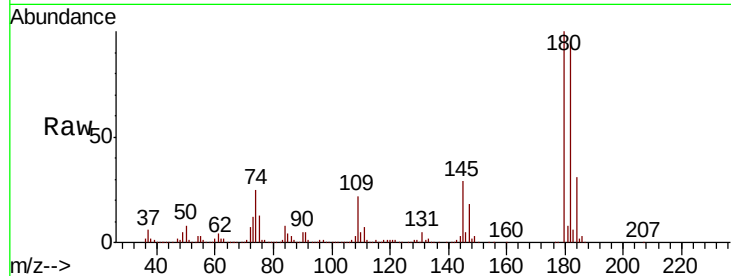




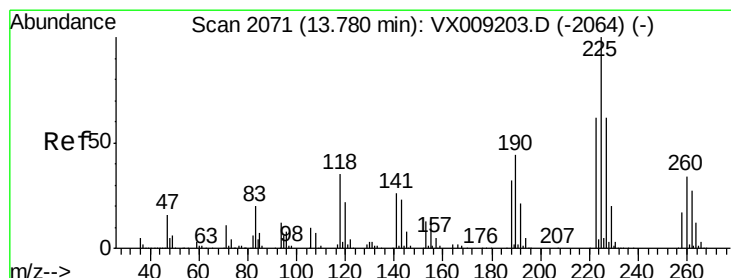
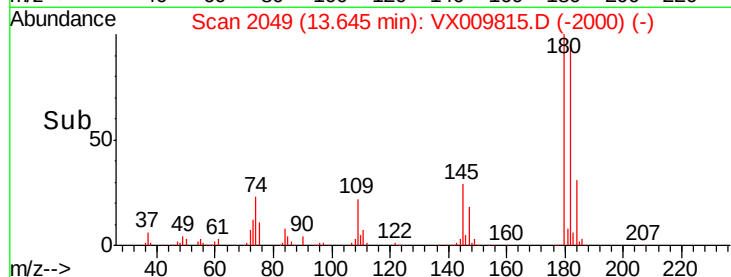
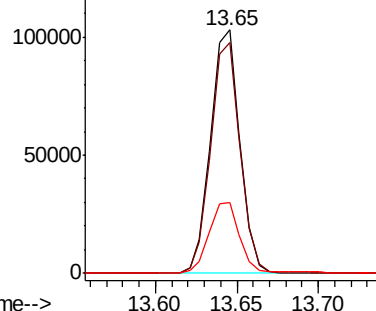
#93
 1,2,4-Trichlorobenzene
 Concen: 46.450 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.4	145.2
145	31.7	14.6	43.8

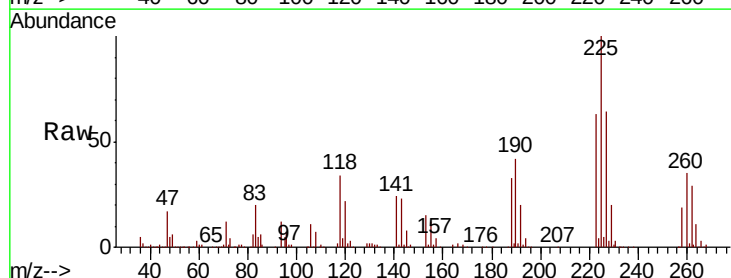


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

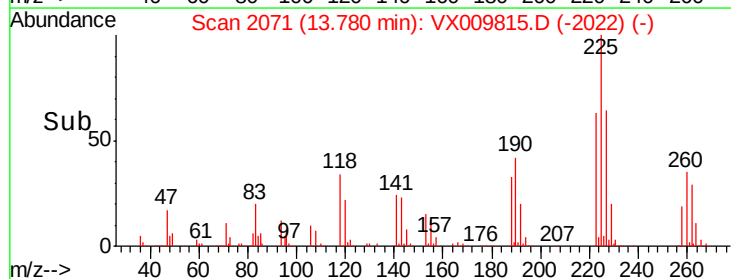
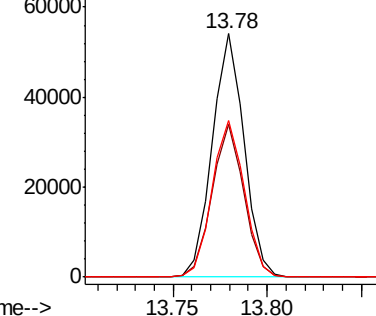


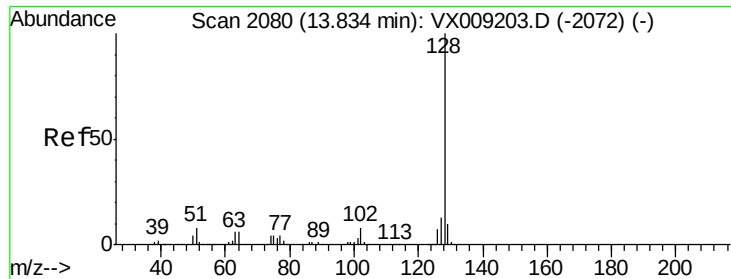
#94
 Hexachlorobutadiene
 Concen: 44.614 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009815.D
 Acq: 22 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.3	93.8
227	65.2	31.8	95.3



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





#95

Naphthalene

Concen: 51.555 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

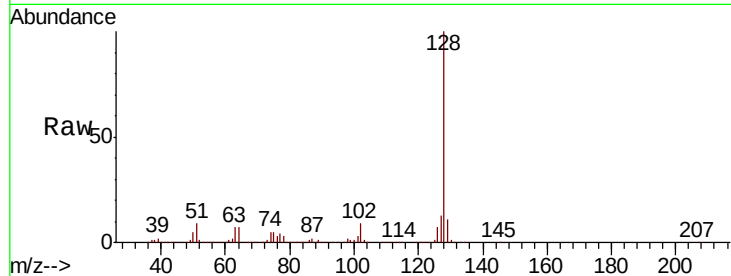
Tot Ion:128 Resp: 466324

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.6 13.0

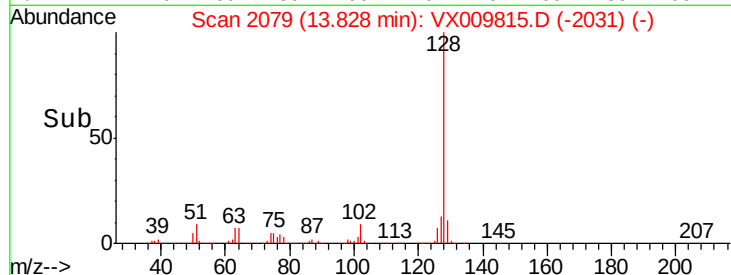


Abundance Ion 128.00 (127.70 to 128.70): V

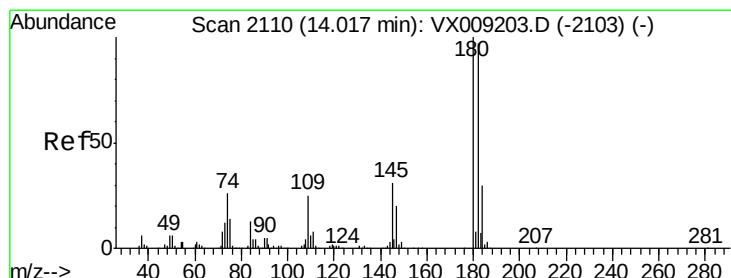
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83



Time--> 13.70 13.80 13.90 14.00



#96

1,2,3-Trichlorobenzene

Concen: 45.997 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009815.D

Acq: 22 May 2019 19:27

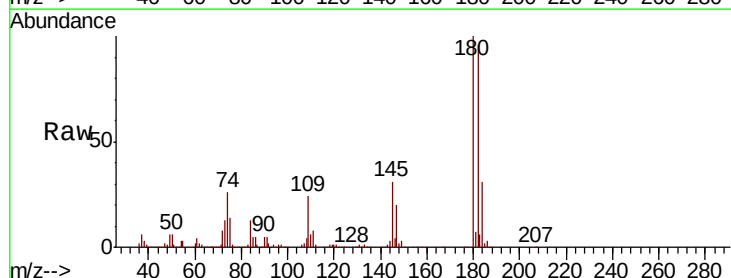
Tgt Ion:180 Resp: 129630

Ion Ratio Lower Upper

180 100

182 96.3 47.8 143.4

145 31.1 15.4 46.4

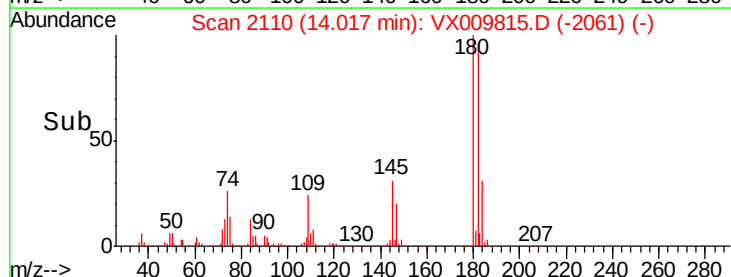


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

14.02



Time--> 14.00 14.10