

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
 Data File : VX009910.D
 Acq On : 28 May 2019 12:40
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: May 29 03:47:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 03:39:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	167665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	271630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109394	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	3957	1.74	ug/l	0.00
Spiked Amount			Recovery	=	3.48%	
35) Dibromofluoromethane	5.51	113	2547	1.50	ug/l	0.00
Spiked Amount			Recovery	=	3.00%	
50) Toluene-d8	8.71	98	9273	1.35	ug/l	0.00
Spiked Amount			Recovery	=	2.70%	
62) 4-Bromofluorobenzene	11.13	95	2921	1.17	ug/l	0.00
Spiked Amount			Recovery	=	2.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1834	1.098	ug/l	81
3) Chloromethane	1.33	50	3098	1.399	ug/l	93
4) Vinyl Chloride	1.41	62	2648	1.239	ug/l	99
5) Bromomethane	1.64	94	2525	1.972	ug/l	100
6) Chloroethane	1.73	64	1714	1.270	ug/l	95
7) Trichlorofluoromethane	1.93	101	3017	1.180	ug/l	96
8) Diethyl Ether	2.19	74	1457	1.218	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1971	1.242	ug/l	97
10) Methyl Iodide	2.51	142	1199	0.713	ug/l	99
11) Tert butyl alcohol	3.04	59	4578	8.533	ug/l	99
12) 1,1-Dichloroethene	2.37	96	1903	1.198	ug/l	89
13) Acrolein	2.29	56	1635	3.498	ug/l	92
14) Allyl chloride	2.73	41	4181	1.073	ug/l	98
15) Acrylonitrile	3.15	53	7739	5.910	ug/l	97
16) Acetone	2.45	43	7346	5.872	ug/l	97
17) Carbon Disulfide	2.57	76	8068	1.785	ug/l #	95
18) Methyl Acetate	2.78	43	4026	1.366	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	6546	1.066	ug/l	99
20) Methylene Chloride	2.86	84	2407	1.202	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	2339	1.361	ug/l	96
22) Diisopropyl ether	3.85	45	7753	1.040	ug/l #	83
23) Vinyl Acetate	3.82	43	33980	5.300	ug/l	96
24) 1,1-Dichloroethane	3.70	63	4020	1.096	ug/l #	91
25) 2-Butanone	4.68	43	10739	5.536	ug/l	98
26) 2,2-Dichloropropane	4.59	77	2925	1.070	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	2666	1.304	ug/l	97
28) Bromochloromethane	5.01	49	2521	1.517	ug/l #	22
29) Tetrahydrofuran	5.14	42	6960	5.588	ug/l	98
30) Chloroform	5.21	83	3600	1.088	ug/l	87
31) Cyclohexane	5.57	56	3992	1.156	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	2737	0.991	ug/l #	46
36) 1,1-Dichloropropene	5.81	75	3376	1.321	ug/l	94
37) Ethyl Acetate	4.85	43	3666	1.023	ug/l #	85
38) Carbon Tetrachloride	5.79	117	2454	1.058	ug/l #	80

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3511	1.115	ug/l	90
40) Benzene	6.15	78	8382	1.063	ug/l #	87
41) Methacrylonitrile	5.06	41	2499	1.178	ug/l #	60
42) 1,2-Dichloroethane	6.20	62	3312	1.166	ug/l	98
43) Isopropyl Acetate	6.45	43	6261	1.096	ug/l	98
44) Trichloroethene	7.21	130	2383	1.251	ug/l	85
45) 1,2-Dichloropropane	7.51	63	2508	1.123	ug/l	98
46) Dibromomethane	7.66	93	1694	1.307	ug/l	90
47) Bromodichloromethane	7.90	83	2541	0.985	ug/l #	93
48) Methyl methacrylate	7.77	41	2852	1.003	ug/l	92
49) 1,4-Dioxane	7.74	88	1179	20.721	ug/l #	69
51) 4-Methyl-2-Pentanone	8.64	43	20047	5.355	ug/l	95
52) Toluene	8.79	92	5098	1.063	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	3078	1.048	ug/l	91
54) cis-1,3-Dichloropropene	8.43	75	3290	1.016	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	2077	1.067	ug/l	96
56) Ethyl methacrylate	9.18	69	3070	0.877	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	3714	1.079	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	8344	4.541	ug/l	99
59) 2-Hexanone	9.49	43	14217	4.840	ug/l	97
60) Dibromochloromethane	9.58	129	1746	0.915	ug/l	90
61) 1,2-Dibromoethane	9.67	107	2085	1.059	ug/l	99
64) Tetrachloroethene	9.34	164	1895	1.131	ug/l	92
65) Chlorobenzene	10.14	112	5586	1.145	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	1646	0.931	ug/l #	65
67) Ethyl Benzene	10.25	91	8938	0.995	ug/l	100
68) m/p-Xylenes	10.36	106	6691	2.036	ug/l	96
69) o-Xylene	10.70	106	3150	0.972	ug/l	99
70) Styrene	10.71	104	5394	0.960	ug/l	98
71) Bromoform	10.85	173	1189	0.827	ug/l #	96
73) Isopropylbenzene	11.02	105	8495	1.061	ug/l	99
74) N-amyl acetate	10.90	43	4478	0.956	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	3238	1.090	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	3931	1.539	ug/l	79
77) Bromobenzene	11.26	156	2491	1.255	ug/l	87
78) n-propylbenzene	11.36	91	9426	1.029	ug/l	98
79) 2-Chlorotoluene	11.42	91	6130	1.084	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	6649	0.985	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	942	0.939	ug/l #	72
82) 4-Chlorotoluene	11.51	91	7236	1.132	ug/l	99
83) tert-Butylbenzene	11.77	119	6324	0.965	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	6889	1.017	ug/l	97
85) sec-Butylbenzene	11.94	105	7846	1.010	ug/l	99
86) p-Isopropyltoluene	12.06	119	6555	0.937	ug/l	87
87) 1,3-Dichlorobenzene	12.02	146	4261	1.205	ug/l	99
88) 1,4-Dichlorobenzene	12.02	146	4261	1.195	ug/l	98
89) n-Butylbenzene	12.38	91	6682	1.052	ug/l	98
90) Hexachloroethane	12.60	117	1117	0.939	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	3991	1.112	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	769	1.155	ug/l	88

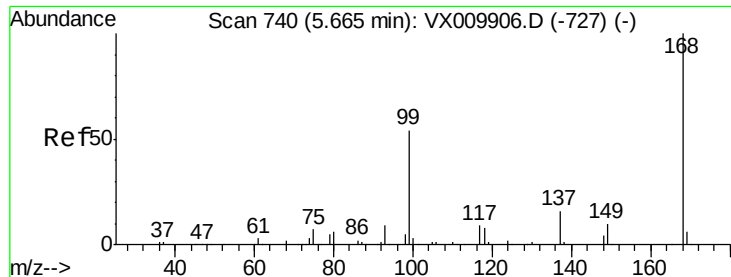
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Quant Time: May 29 03:47:26 2019
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2994	1.216	ug/l	95
94) Hexachlorobutadiene	13.79	225	1534	1.217	ug/l	97
95) Naphthalene	13.83	128	8300	1.044	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	3012	1.210	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

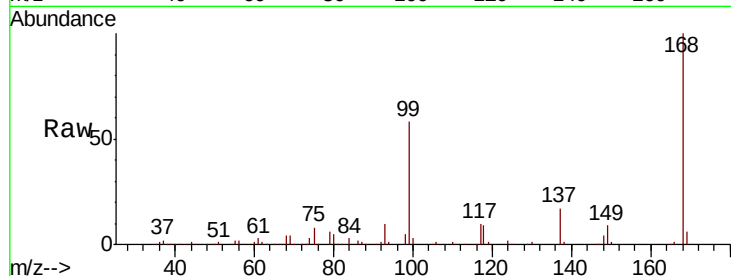
VSTDIC001

Tot Ion:168 Resp: 167665

Ion Ratio Lower Upper

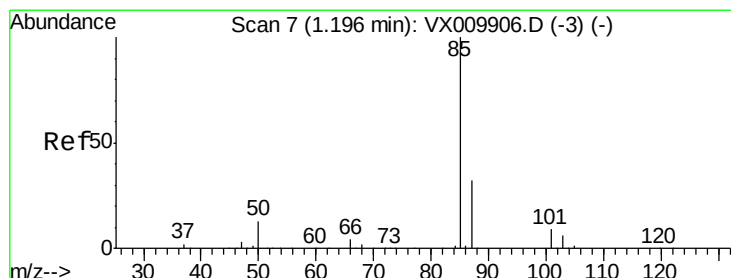
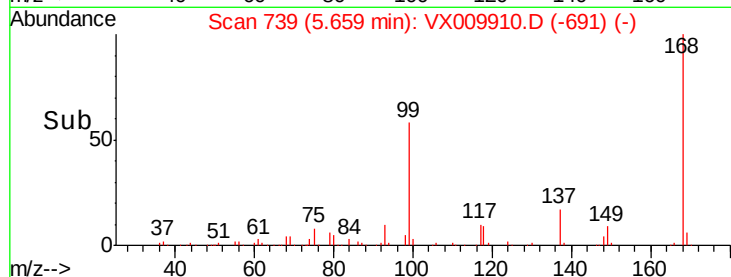
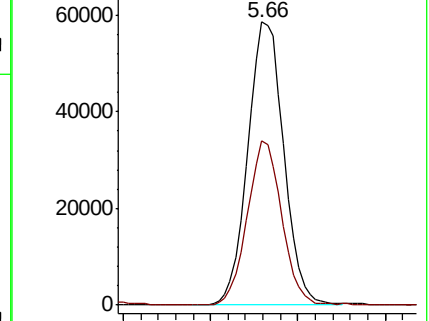
168 100

99 57.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.098 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX009910.D

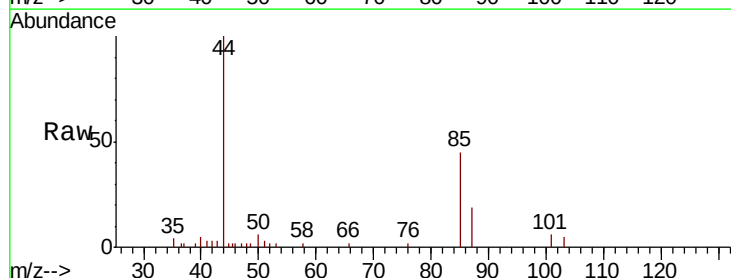
Acq: 28 May 2019 12:40

Tgt Ion: 85 Resp: 1834

Ion Ratio Lower Upper

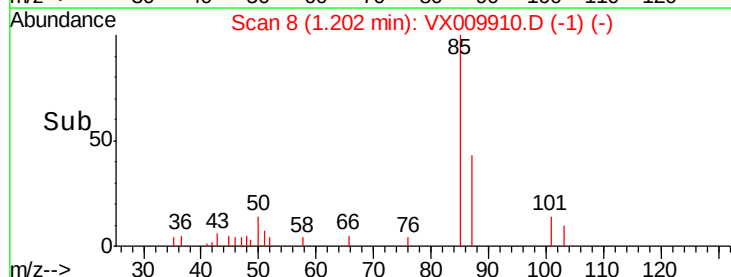
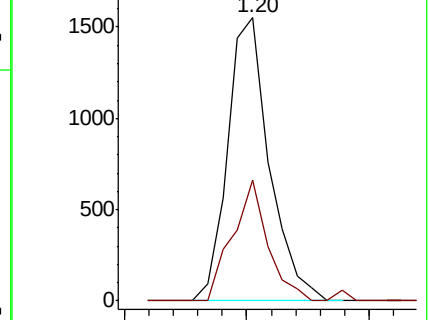
85 100

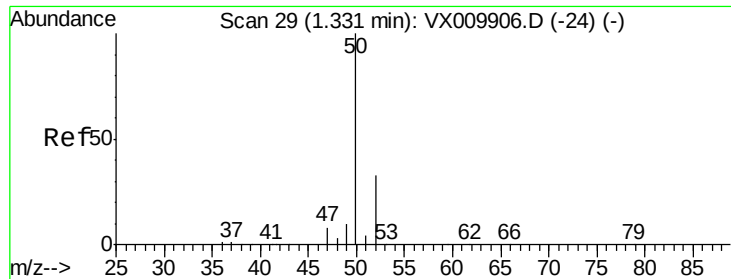
87 42.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.399 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

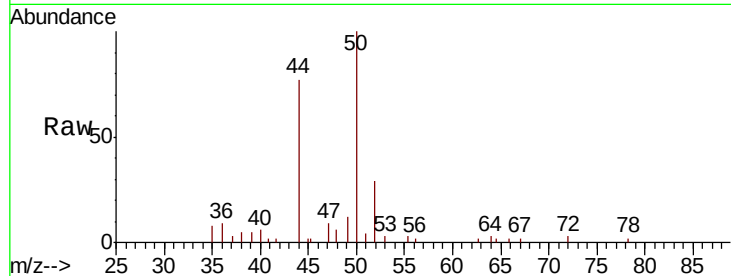
VSTDIC001

Tot Ion: 50 Resp: 3098

Ion Ratio Lower Upper

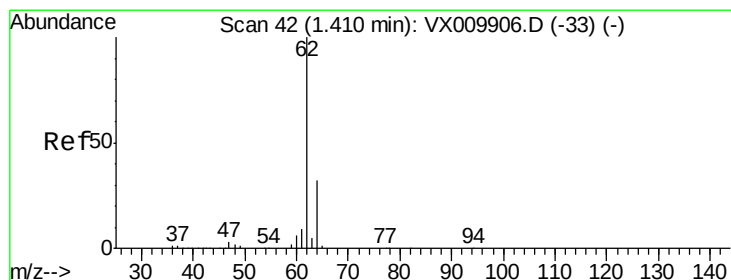
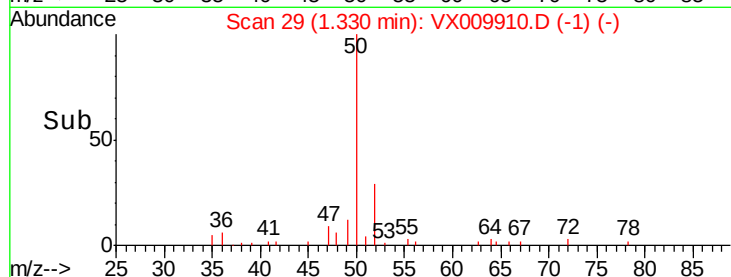
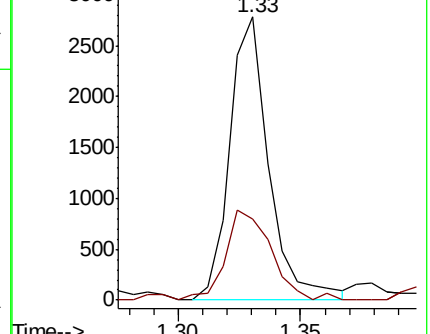
50 100

52 28.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.239 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009910.D

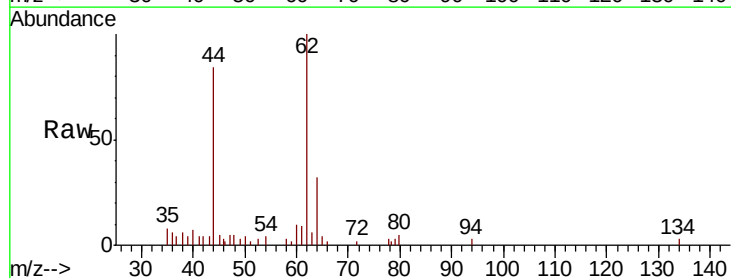
Acq: 28 May 2019 12:40

Tgt Ion: 62 Resp: 2648

Ion Ratio Lower Upper

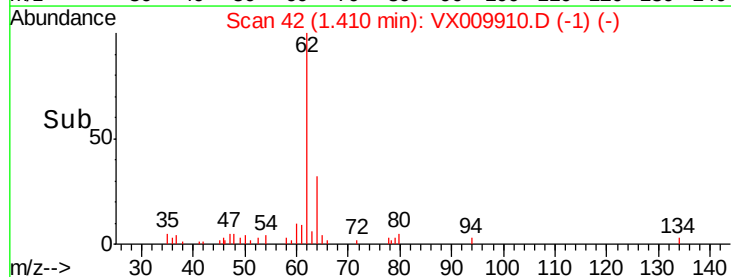
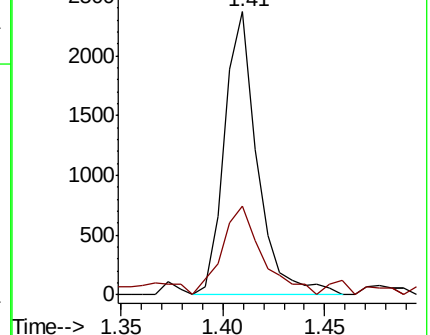
62 100

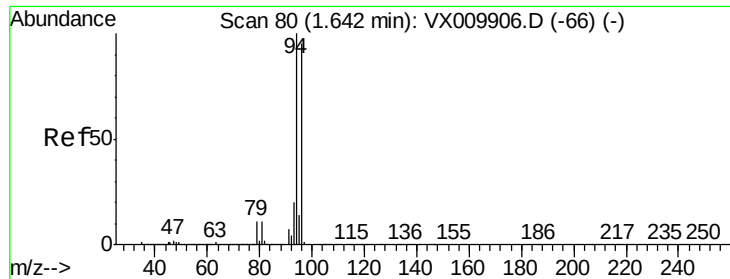
64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.972 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

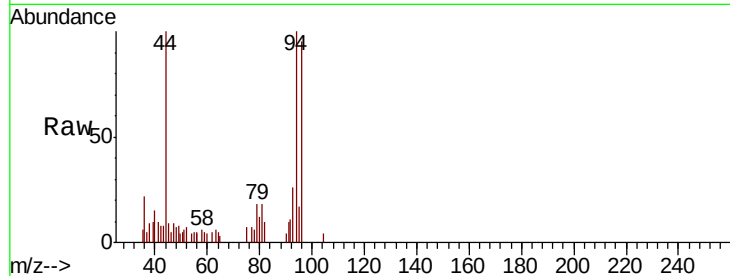
VSTDIC001

Tot Ion: 94 Resp: 2525

Ion Ratio Lower Upper

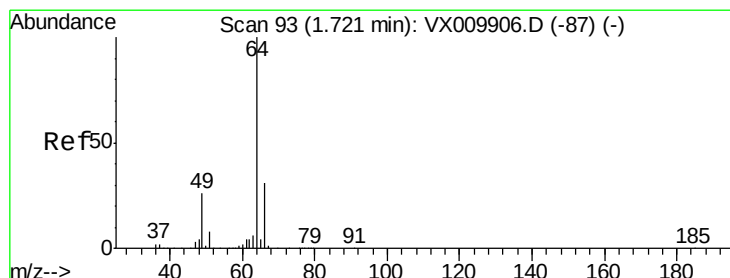
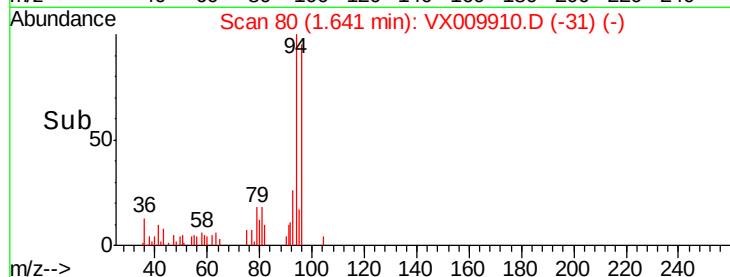
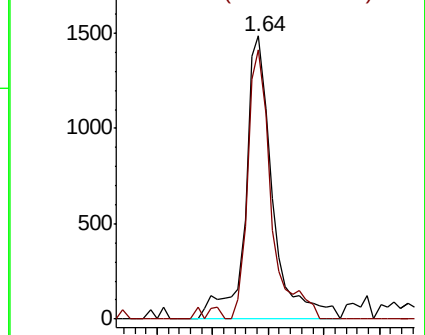
94 100

96 95.1 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.270 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX009910.D

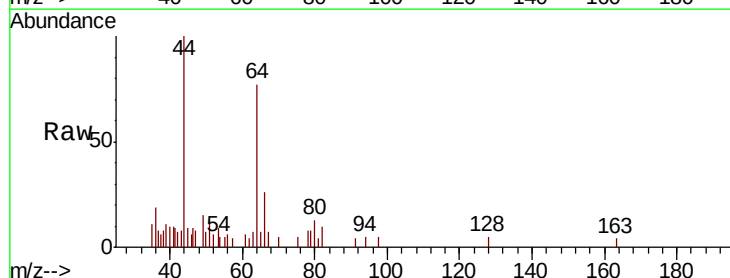
Acq: 28 May 2019 12:40

Tgt Ion: 64 Resp: 1714

Ion Ratio Lower Upper

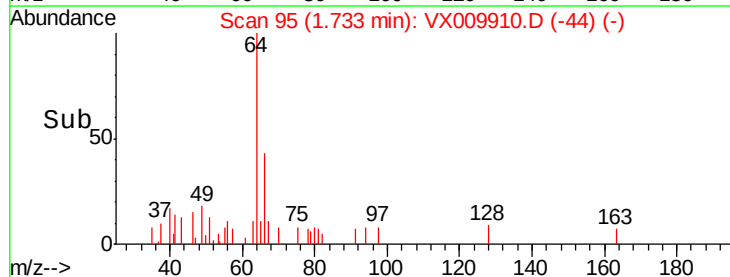
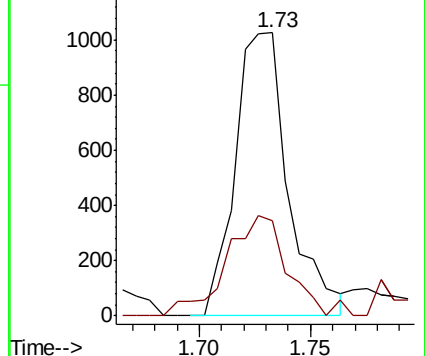
64 100

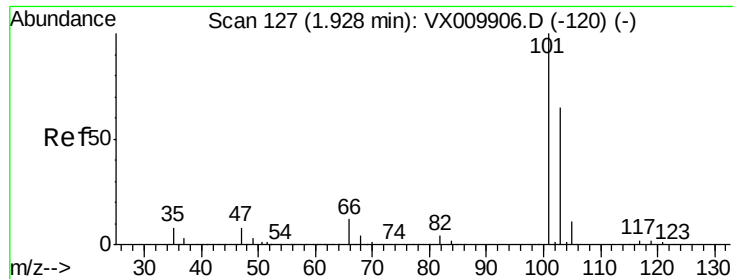
66 28.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 1.180 ug/l

RT: 1.93 min Scan# 127

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

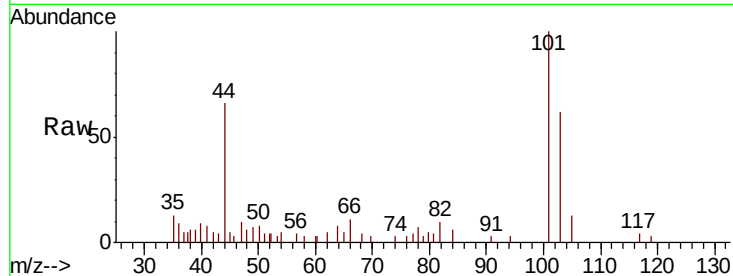
VSTDIC001

Tot Ion:101 Resp: 3017

Ion Ratio Lower Upper

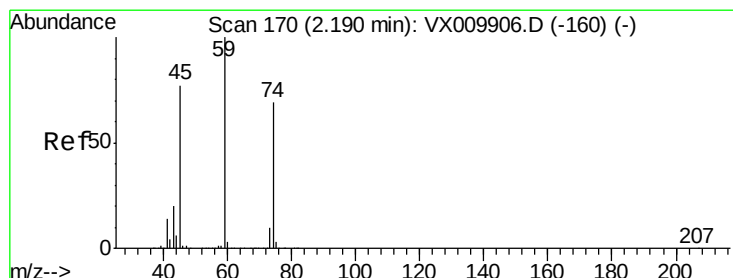
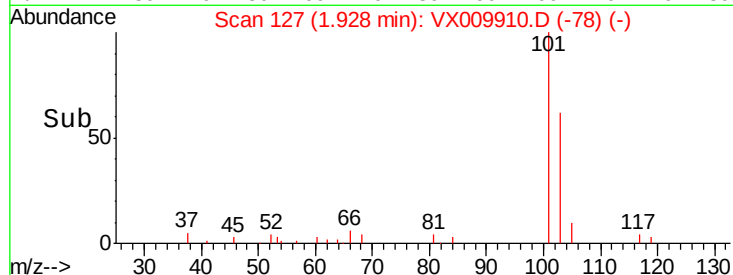
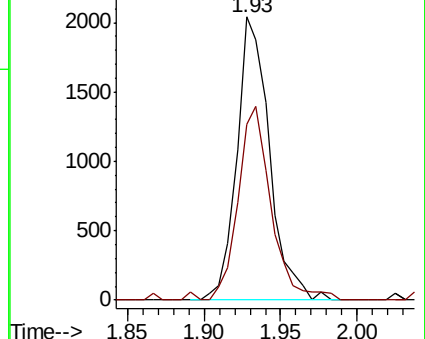
101 100

103 62.1 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.218 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX009910.D

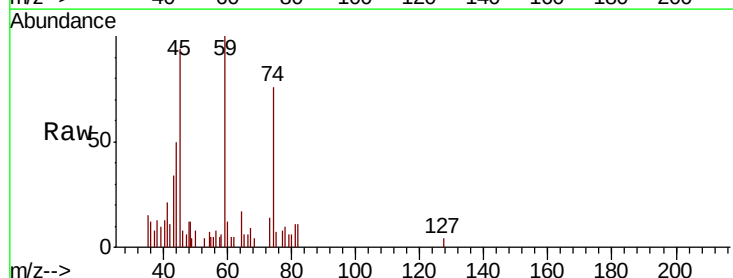
Acq: 28 May 2019 12:40

Tgt Ion: 74 Resp: 1457

Ion Ratio Lower Upper

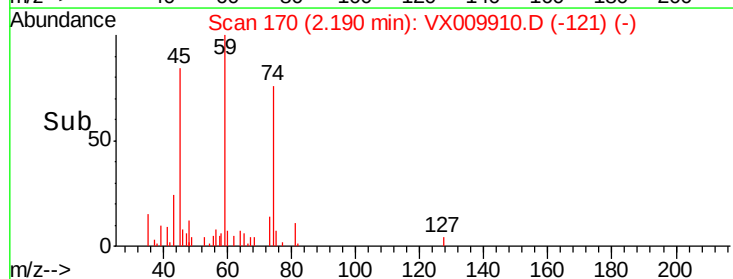
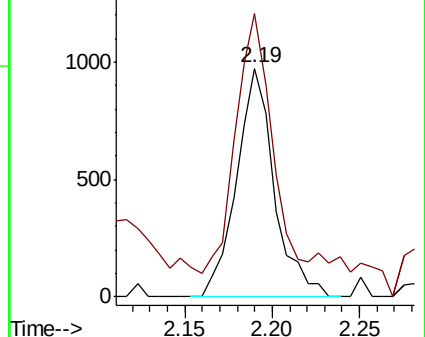
74 100

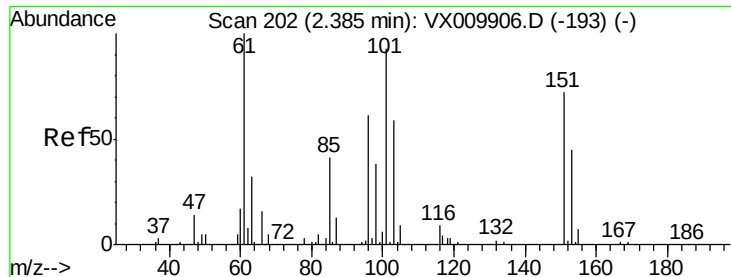
45 106.6 56.1 168.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.242 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

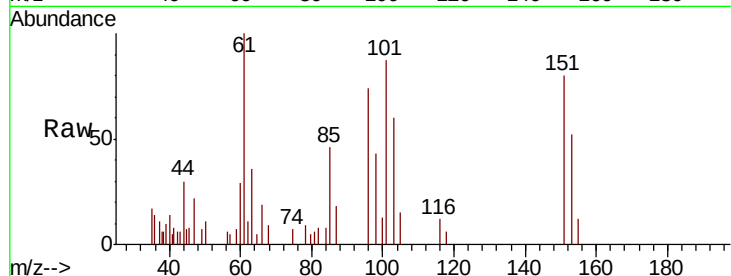
Tot Ion:101 Resp: 1971

Ion Ratio Lower Upper

101 100

85 40.1 35.2 52.8

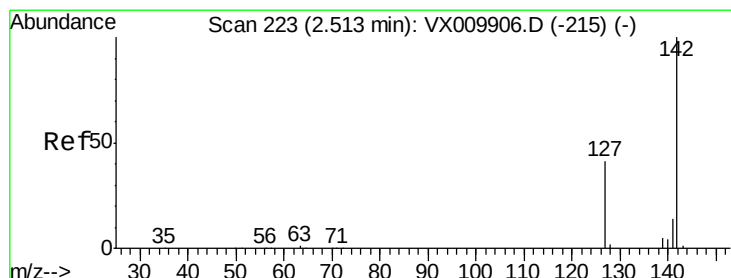
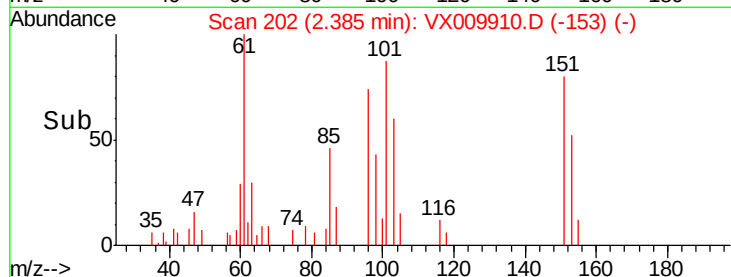
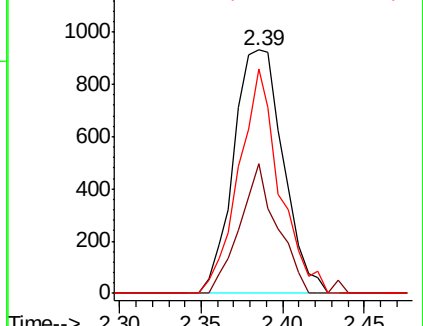
151 76.3 61.9 92.9



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: 0.713 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

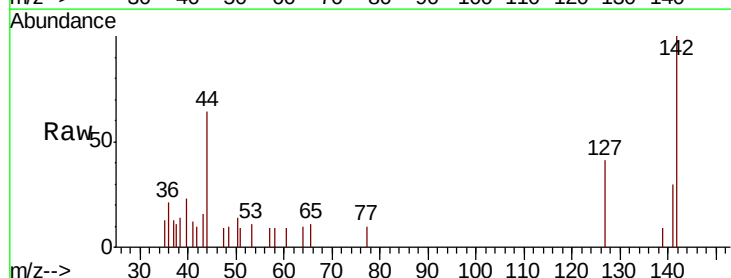
Tgt Ion:142 Resp: 1199

Ion Ratio Lower Upper

142 100

127 40.8 33.0 49.4

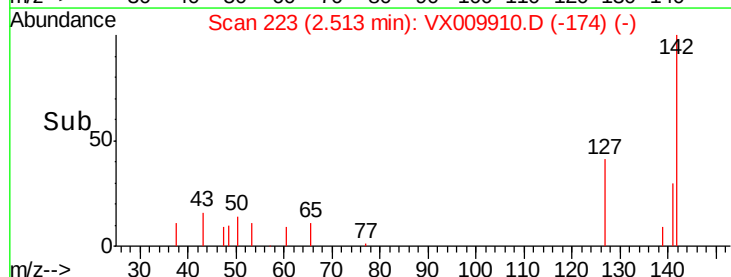
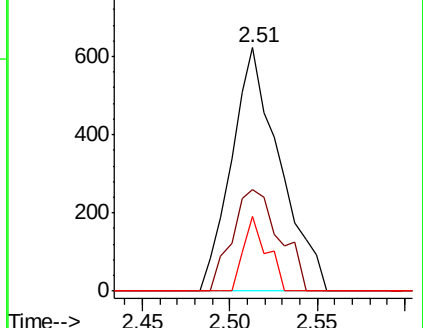
141 14.9 11.4 17.0

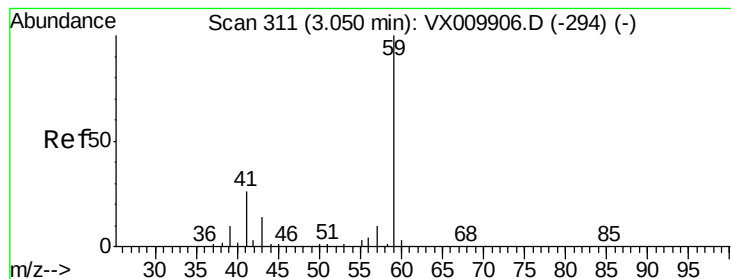


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



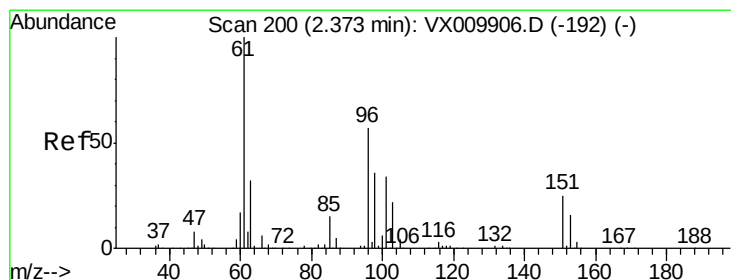
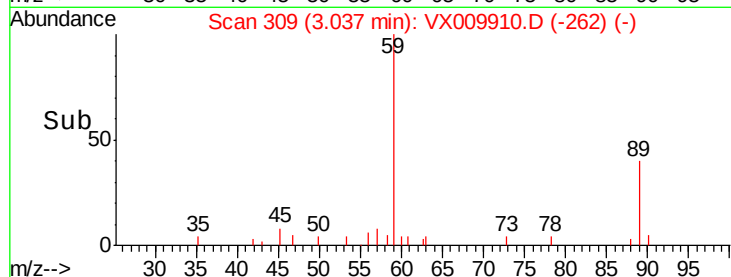
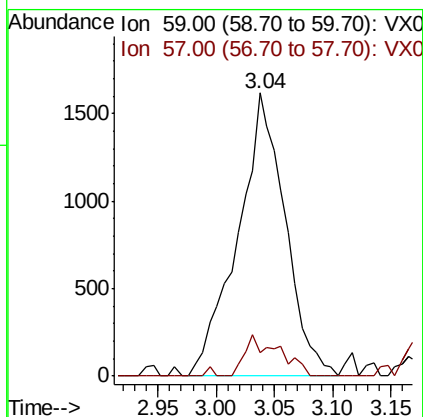
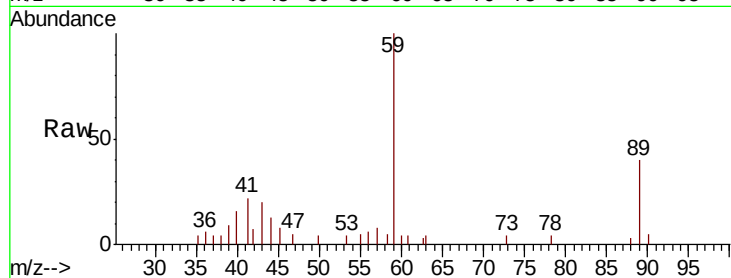


#11

Tert butyl alcohol
 Concen: 8.533 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

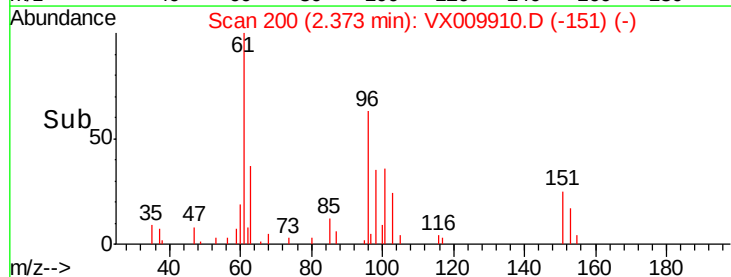
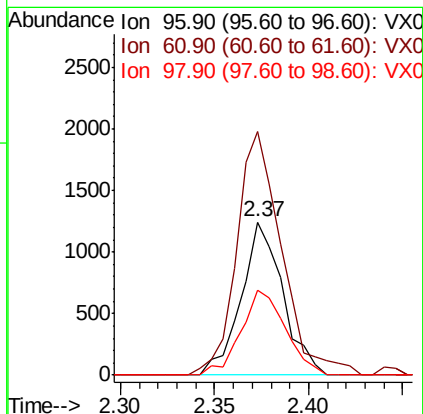
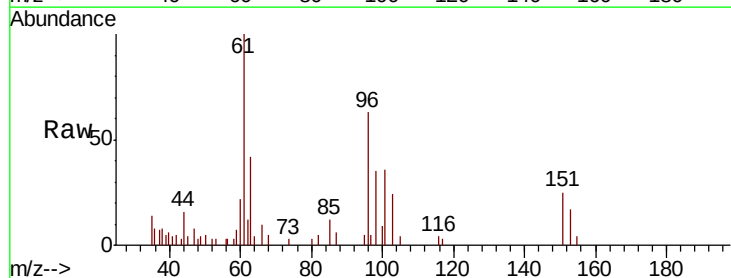
Tot Ion: 59 Resp: 4578
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

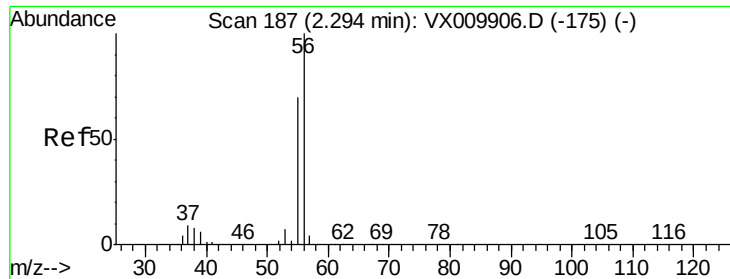


#12

1,1-Dichloroethene
 Concen: 1.198 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Tgt Ion: 96 Resp: 1903
 Ion Ratio Lower Upper
 96 100
 61 159.4 140.7 211.1
 98 55.7 50.1 75.1





#13

Acrolein

Concen: 3.498 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

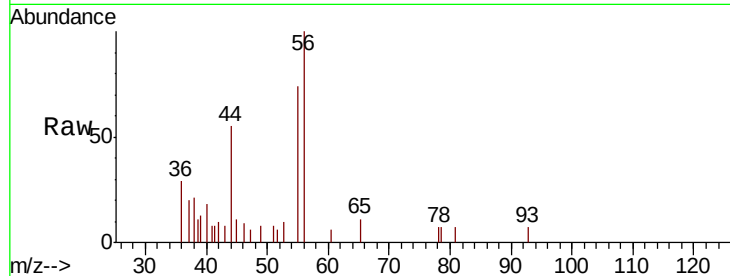
VSTDIC001

Tot Ion: 56 Resp: 1635

Ion Ratio Lower Upper

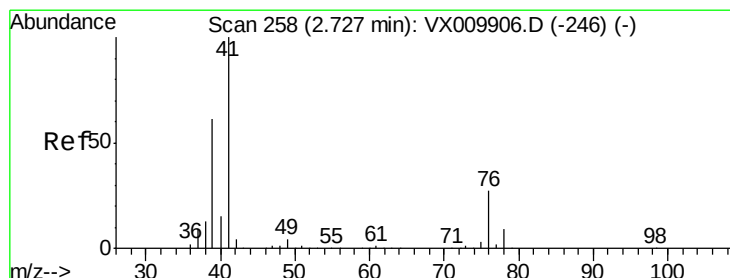
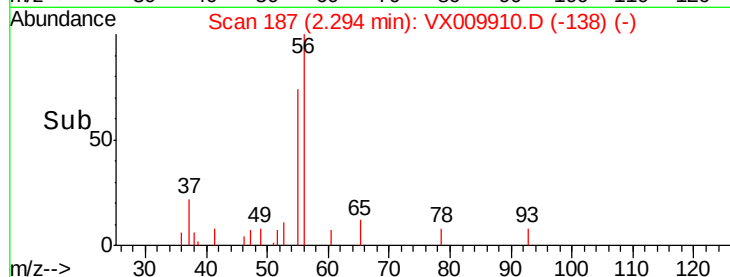
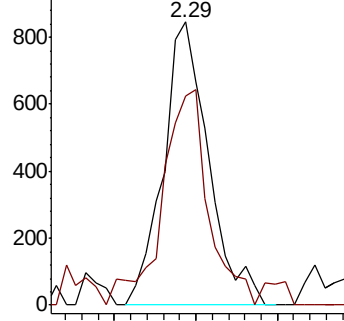
56 100

55 77.8 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.073 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

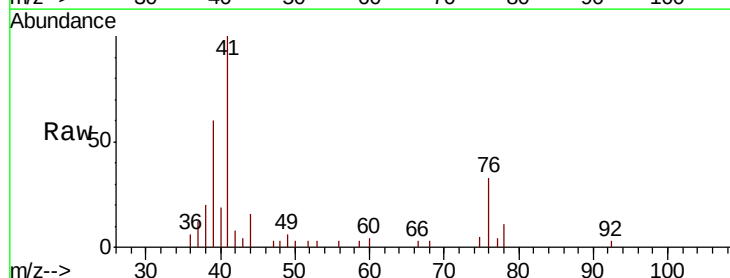
Tgt Ion: 41 Resp: 4181

Ion Ratio Lower Upper

41 100

39 58.6 46.7 70.1

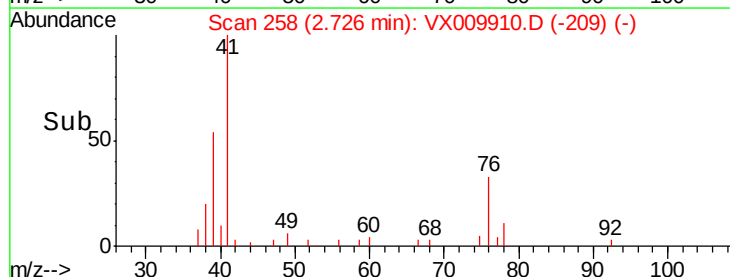
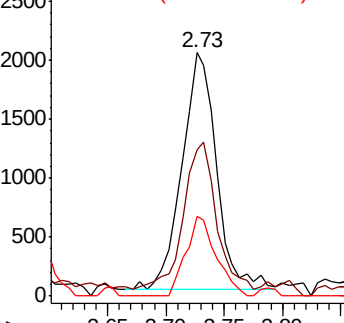
76 29.4 21.0 31.4

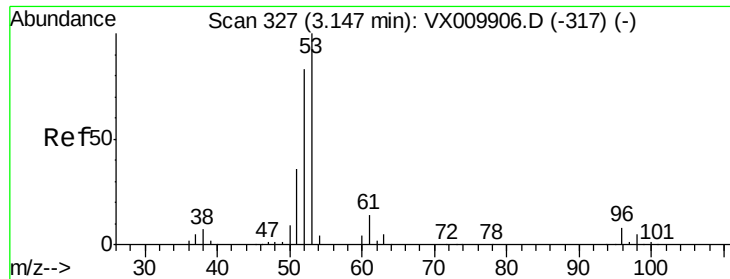


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 5.910 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

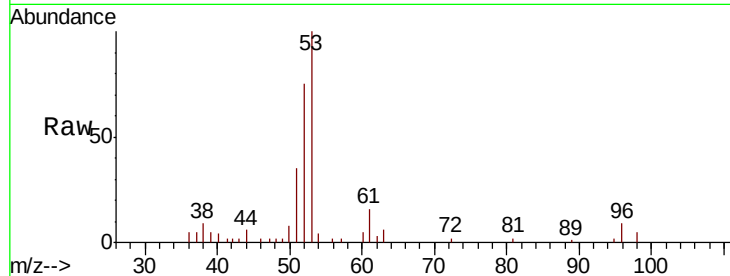
Tot Ion: 53 Resp: 7739

Ion Ratio Lower Upper

53 100

52 79.8 66.7 100.1

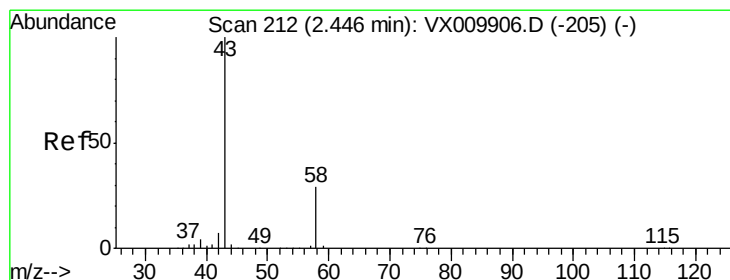
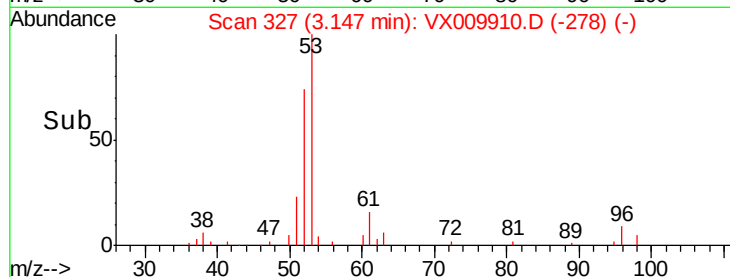
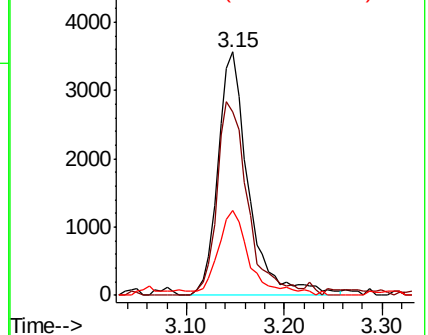
51 35.8 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 5.872 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009910.D

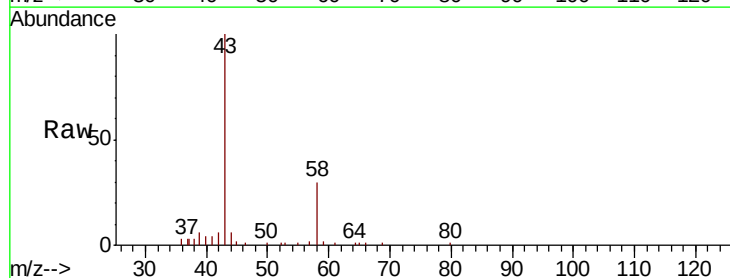
Acq: 28 May 2019 12:40

Tgt Ion: 43 Resp: 7346

Ion Ratio Lower Upper

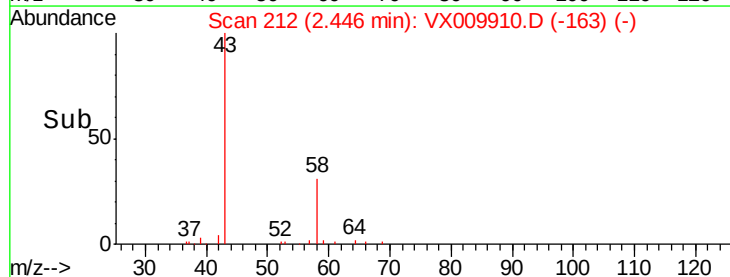
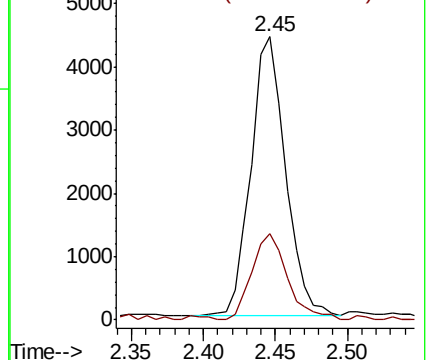
43 100

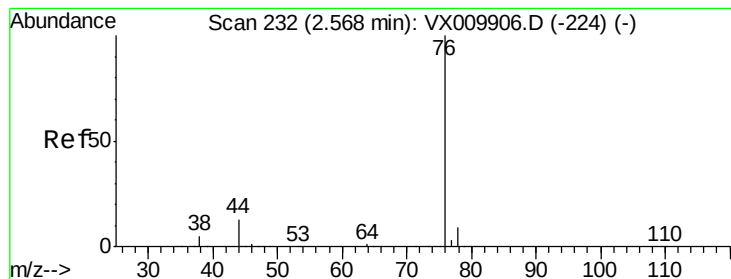
58 30.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.785 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

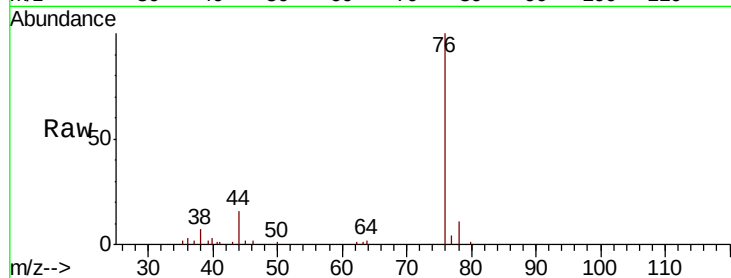
VSTDIC001

Tot Ion: 76 Resp: 8068

Ion Ratio Lower Upper

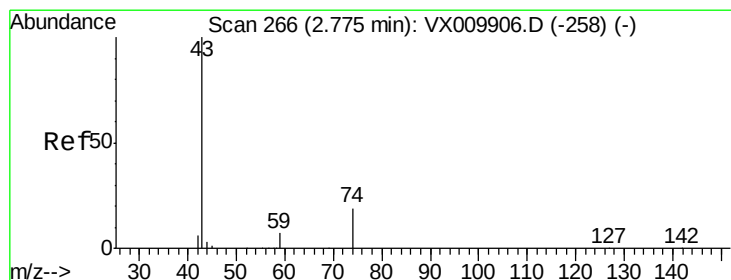
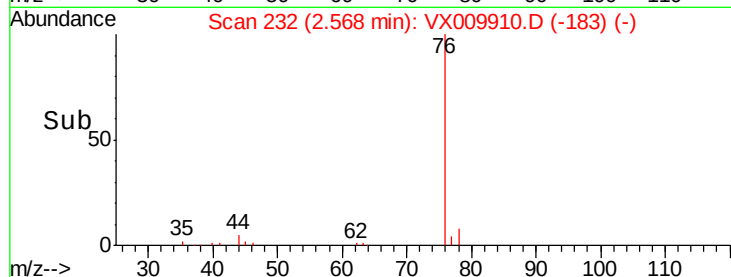
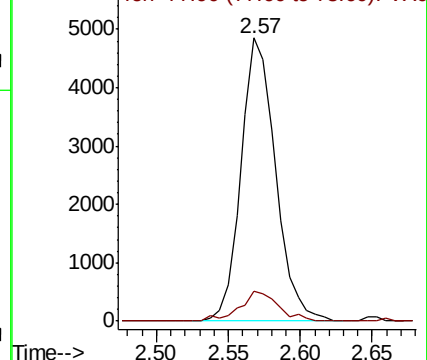
76 100

78 10.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 1.366 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX009910.D

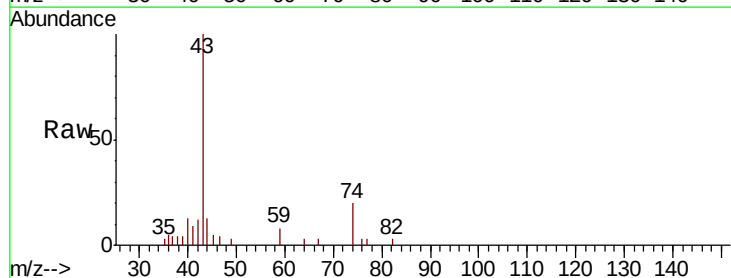
Acq: 28 May 2019 12:40

Tgt Ion: 43 Resp: 4026

Ion Ratio Lower Upper

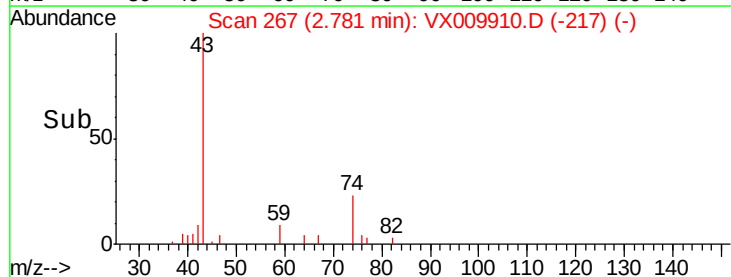
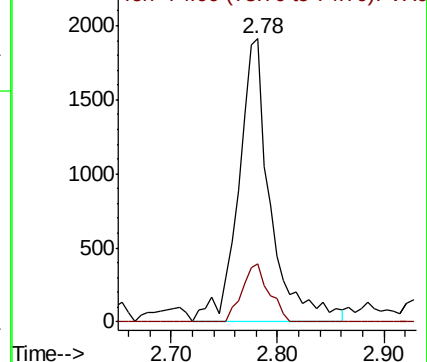
43 100

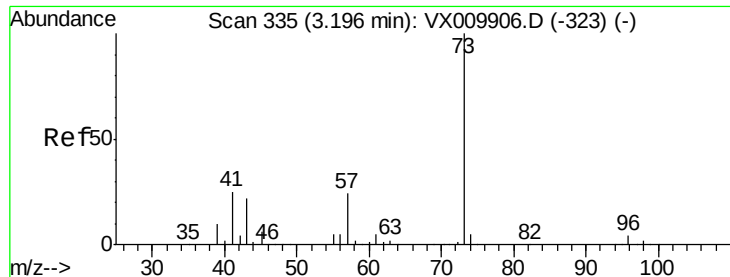
74 17.2 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



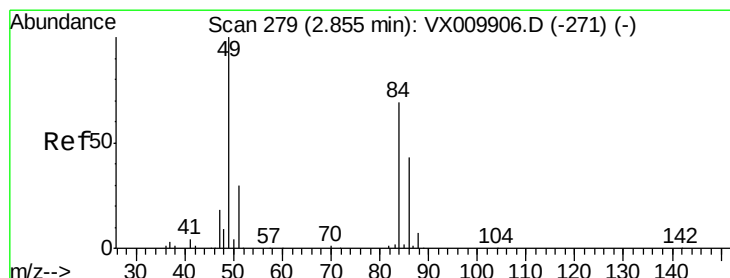
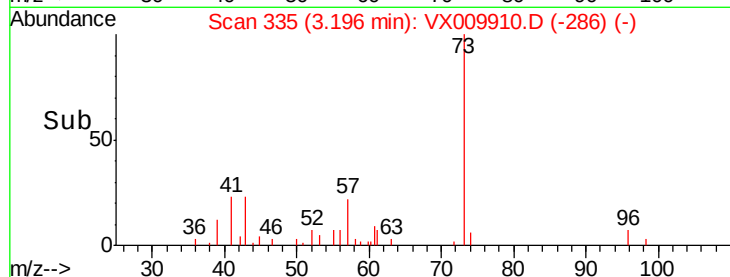
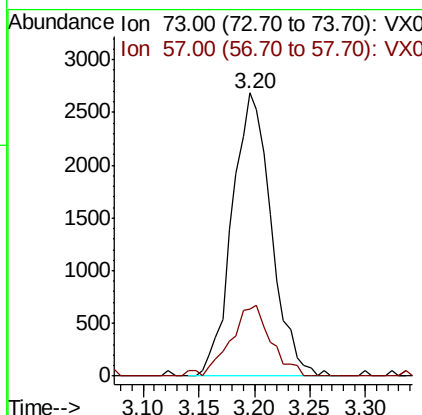
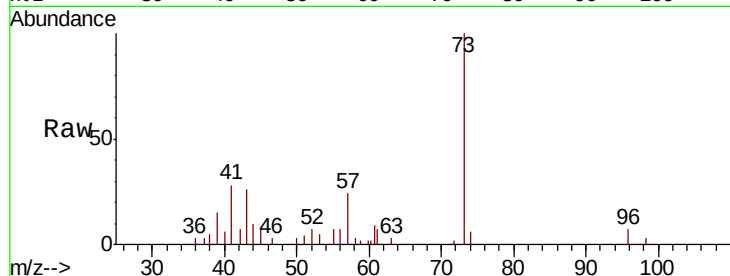


#19

Methvl tert-butyl Ether
 Concen: 1.066 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

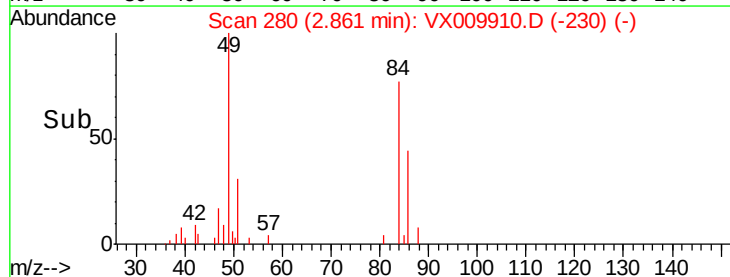
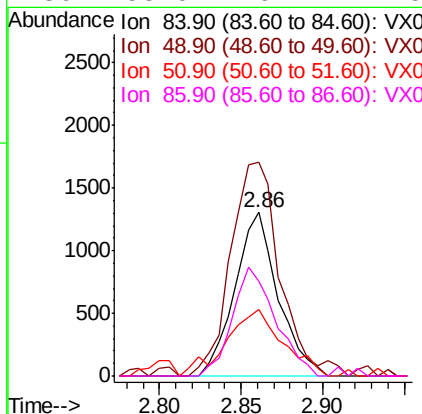
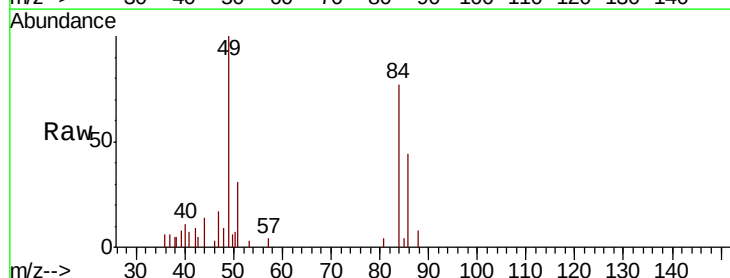
Tot Ion: 73 Resp: 6546
 Ion Ratio Lower Upper
 73 100
 57 23.8 19.4 29.2

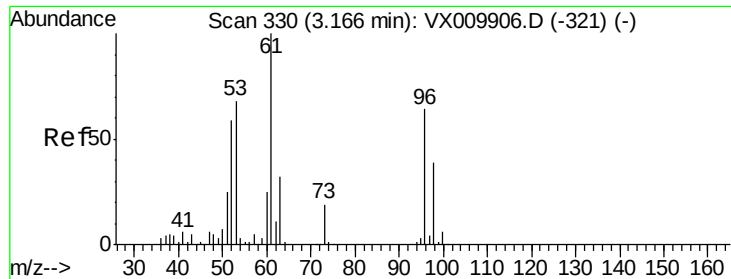


#20

Methylene Chloride
 Concen: 1.202 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Tgt Ion: 84 Resp: 2407
 Ion Ratio Lower Upper
 84 100
 49 130.7 115.8 173.6
 51 41.0 34.4 51.6
 86 58.0 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 1.361 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

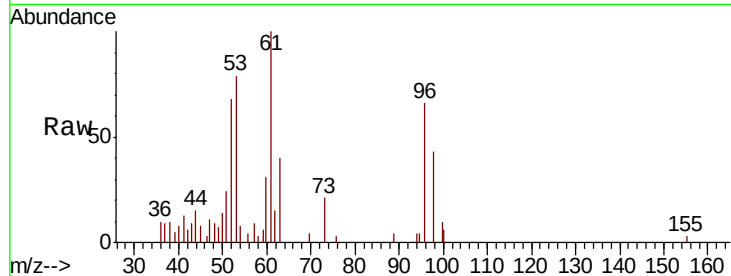
Tot Ion: 96 Resp: 2339

Ion Ratio Lower Upper

96 100

61 152.2 125.7 188.5

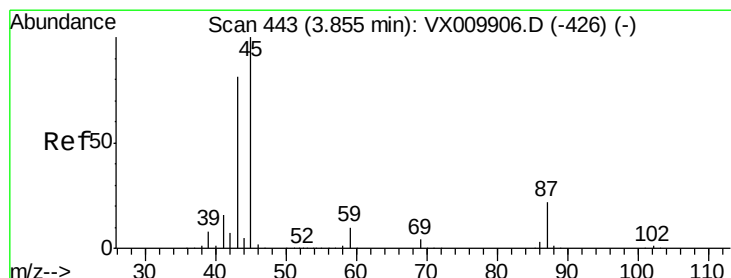
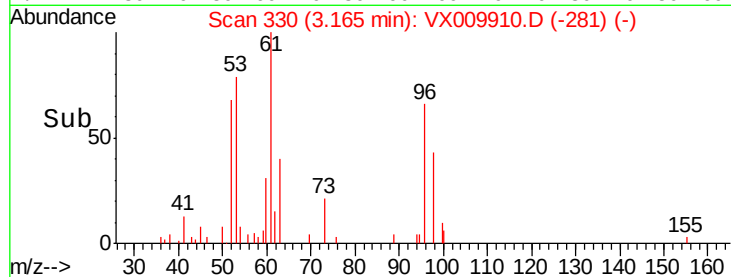
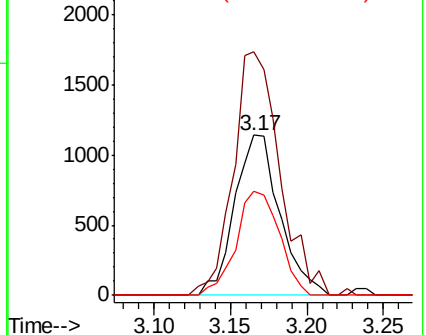
98 65.1 49.0 73.6



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: 1.040 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Tgt Ion: 45 Resp: 7753

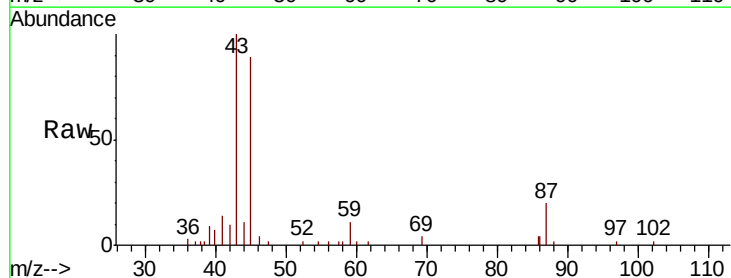
Ion Ratio Lower Upper

45 100

43 101.3 65.0 97.4#

87 22.8 17.3 25.9

59 12.2 8.1 12.1#

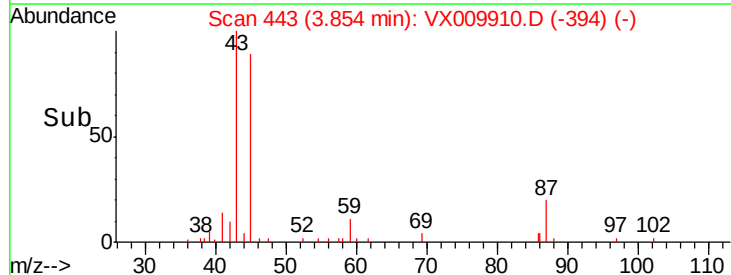
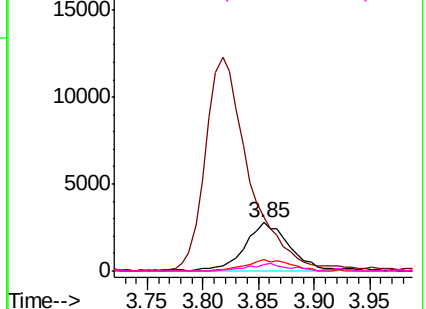


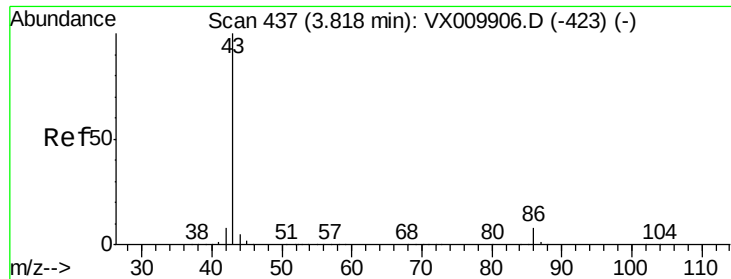
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 5.300 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

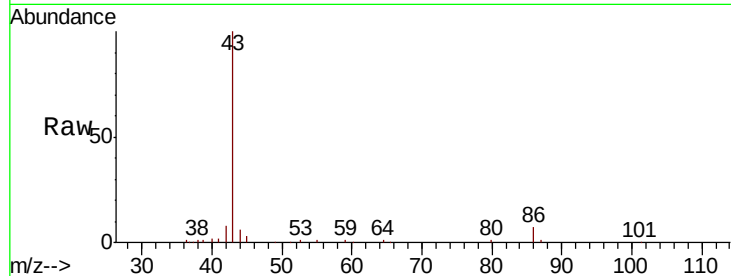
VSTDIC001

Tot Ion: 43 Resp: 33980

Ion Ratio Lower Upper

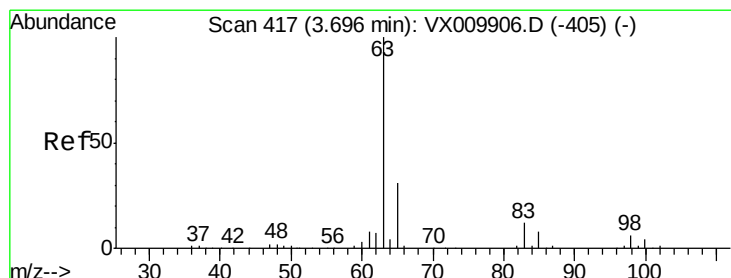
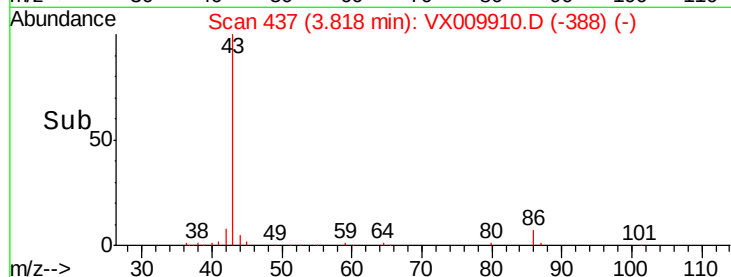
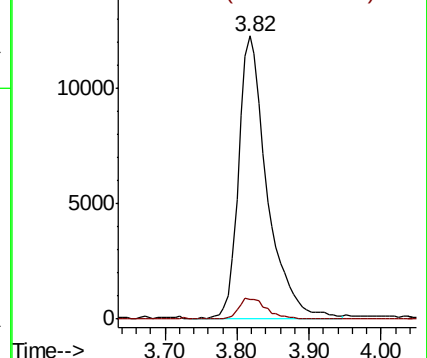
43 100

86 6.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 1.096 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

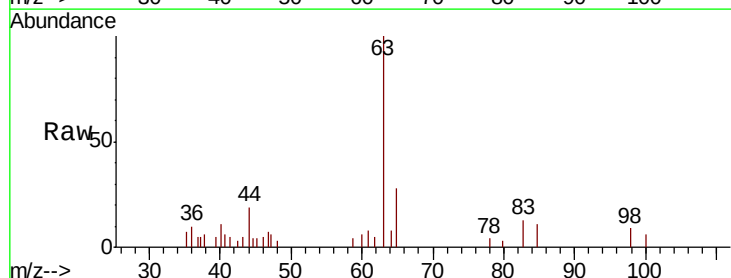
Tgt Ion: 63 Resp: 4020

Ion Ratio Lower Upper

63 100

98 9.3 2.9 8.8#

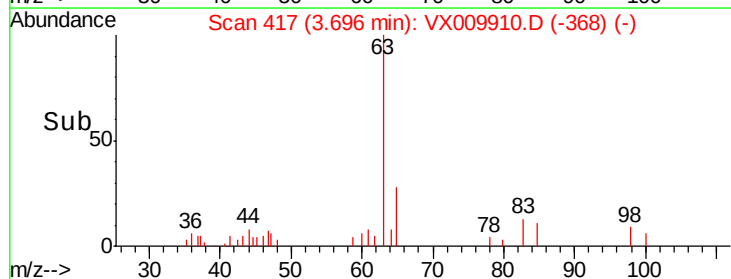
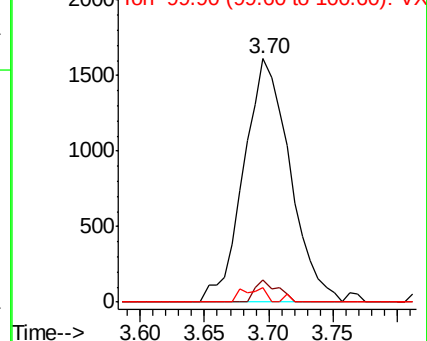
100 5.8 1.8 5.4#

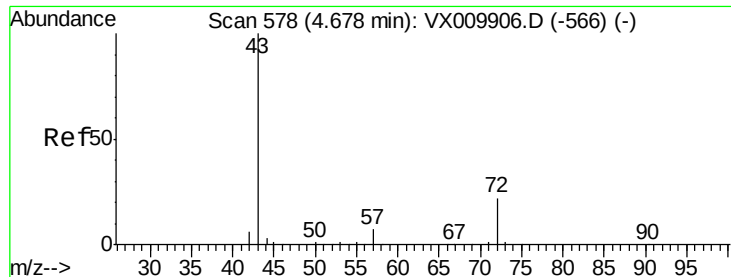


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 5.536 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

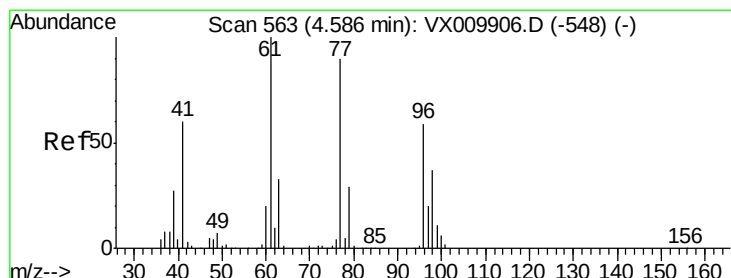
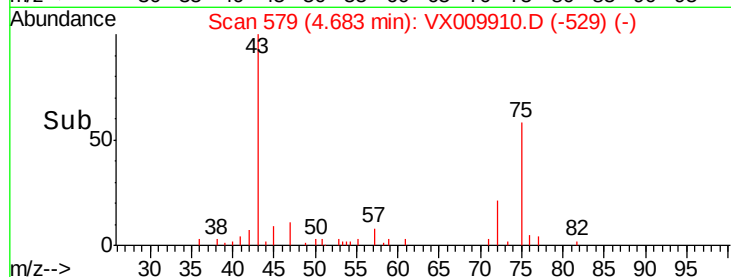
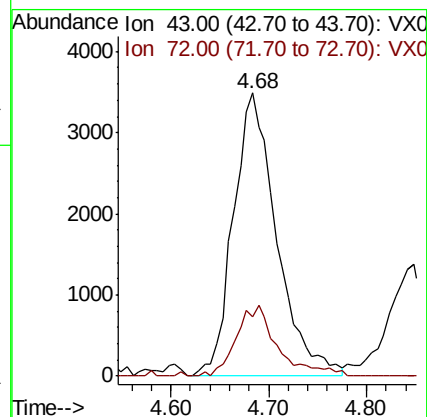
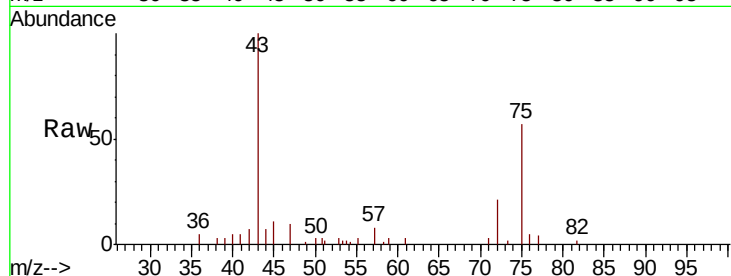
VSTDIC001

Tot Ion: 43 Resp: 10739

Ion Ratio Lower Upper

43 100

72 20.8 17.5 26.3



#26

2,2-Dichloropropane

Concen: 1.070 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009910.D

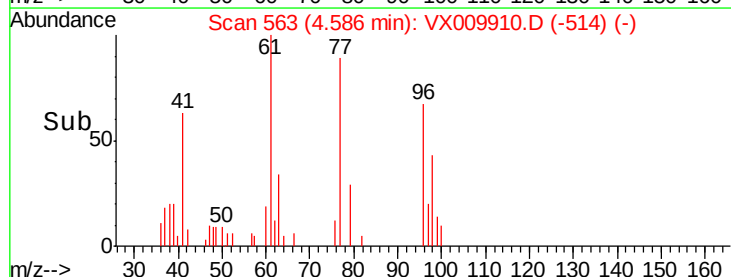
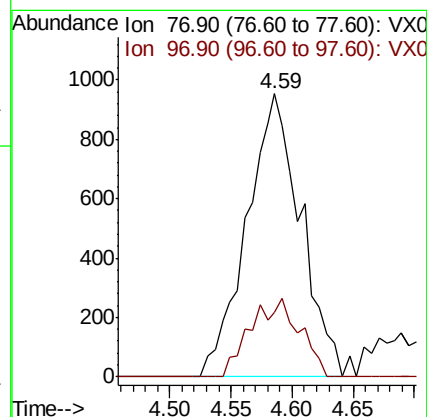
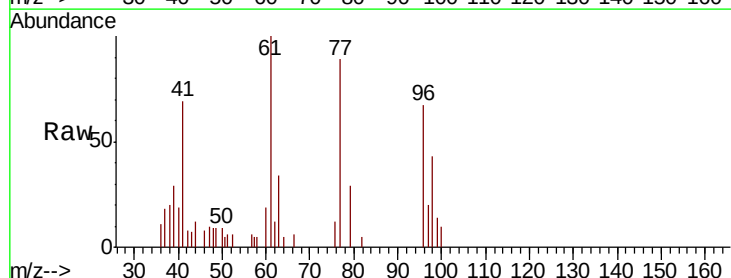
Acq: 28 May 2019 12:40

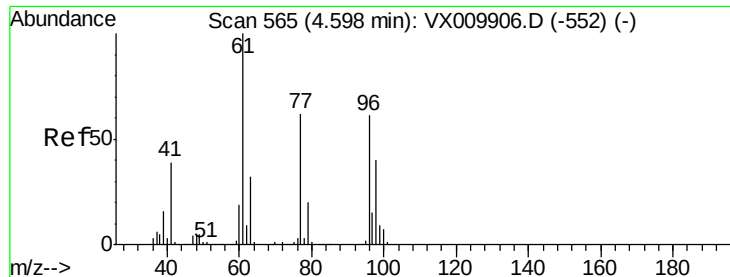
Tgt Ion: 77 Resp: 2925

Ion Ratio Lower Upper

77 100

97 25.3 11.4 34.2



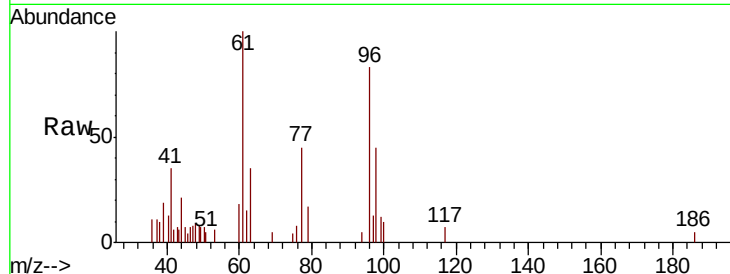


#27

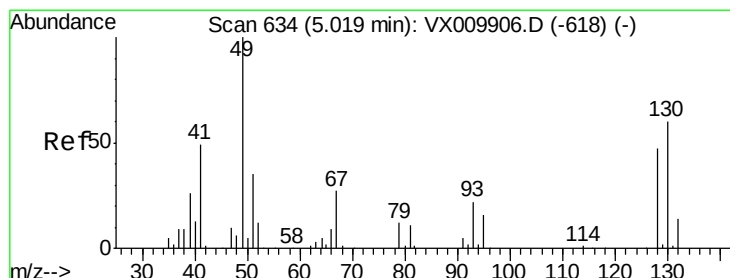
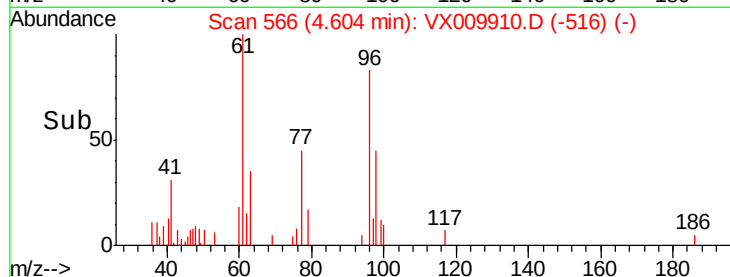
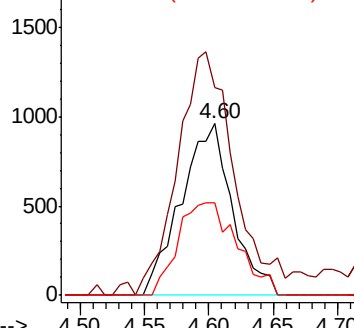
cis-1,2-Dichloroethene
Concen: 1.304 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 96 Resp: 2666
Ion Ratio Lower Upper
96 100
61 164.3 0.0 334.0
98 61.9 0.0 131.6



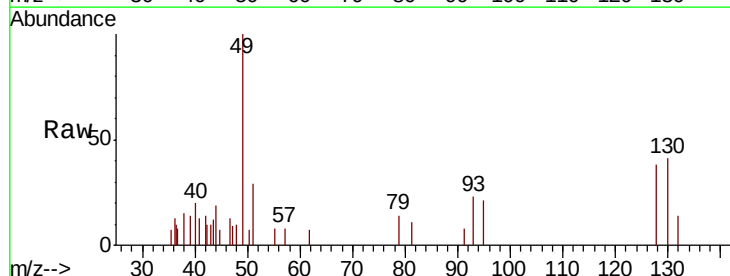
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



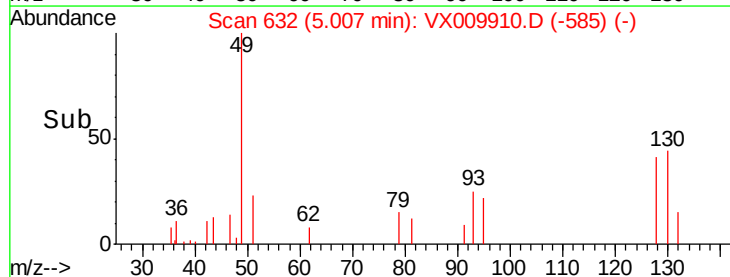
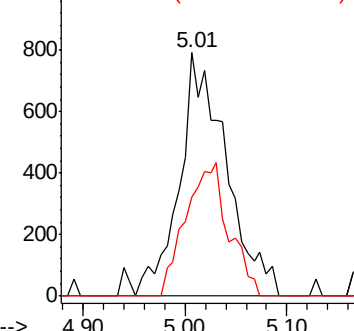
#28

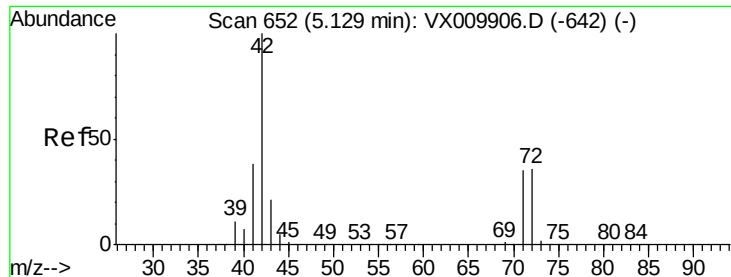
Bromochloromethane
Concen: 1.517 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion: 49 Resp: 2521
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 0.0 49.4 74.2#



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: 5.588 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

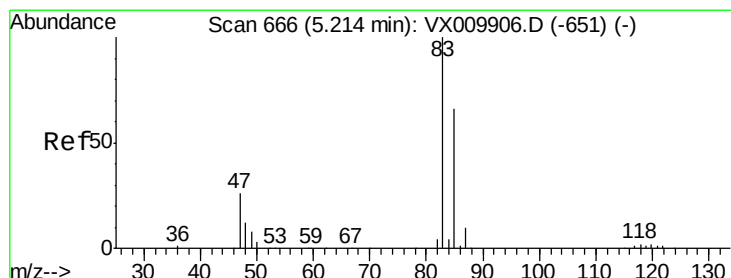
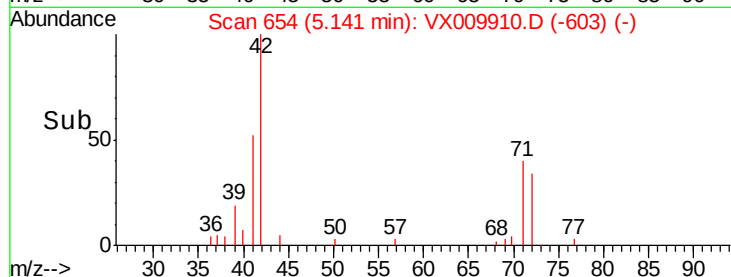
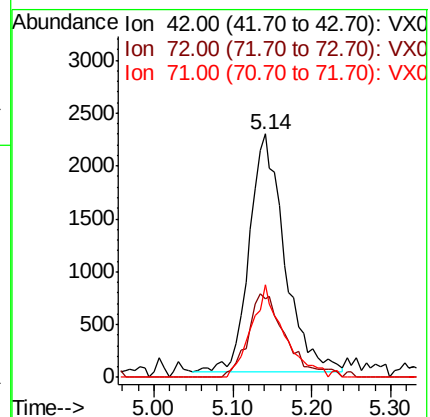
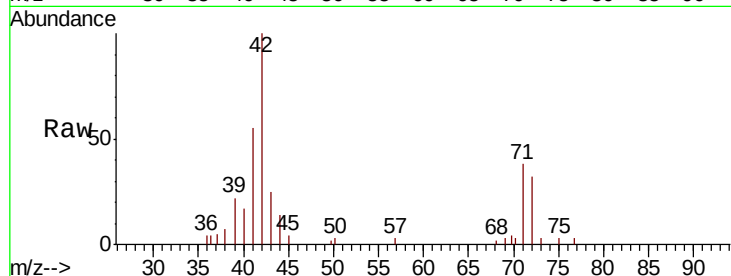
Tot Ion: 42 Resp: 6960

Ion Ratio Lower Upper

42 100

72 37.8 29.2 43.8

71 35.8 27.6 41.4



#30

Chloroform

Concen: 1.088 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX009910.D

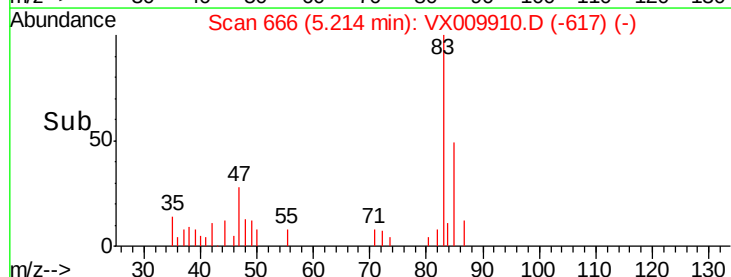
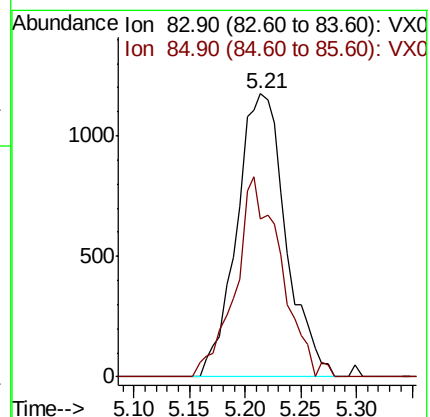
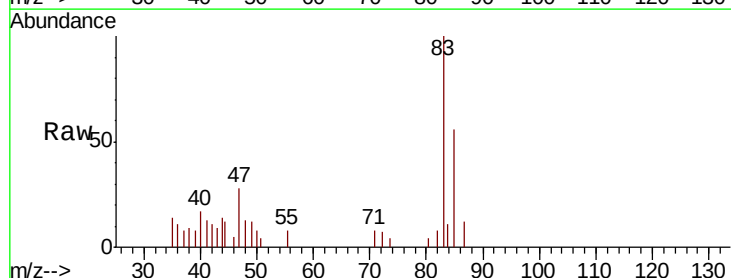
Acq: 28 May 2019 12:40

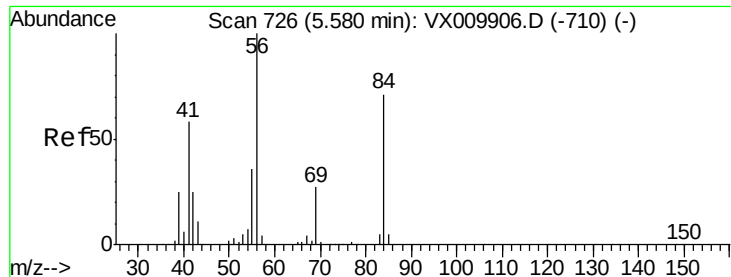
Tgt Ion: 83 Resp: 3600

Ion Ratio Lower Upper

83 100

85 55.6 52.6 78.8

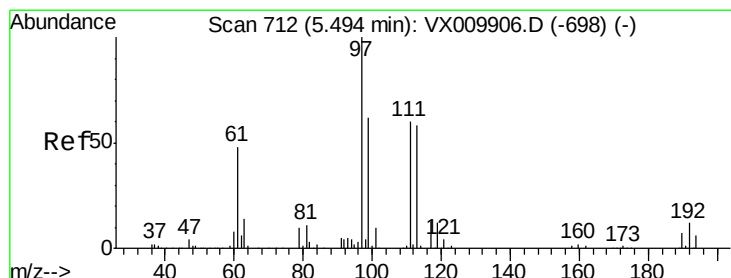
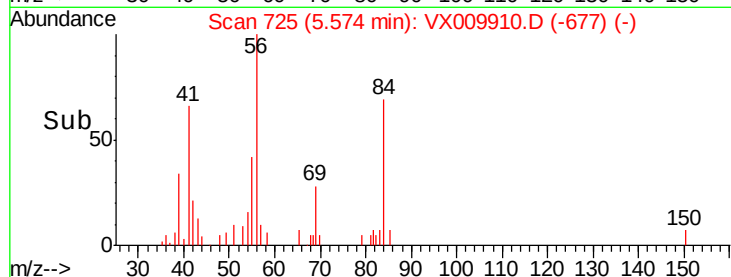
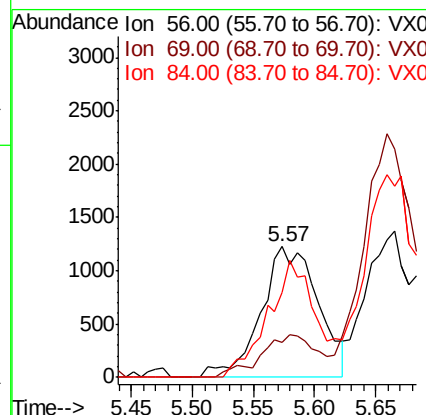
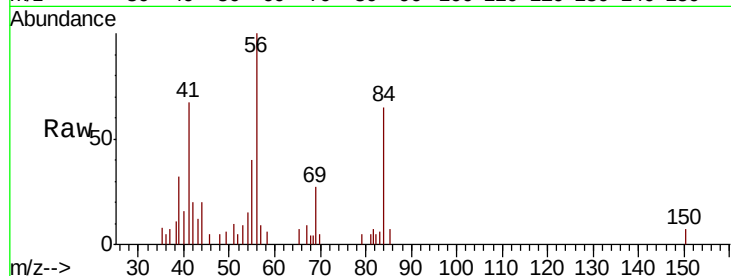




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

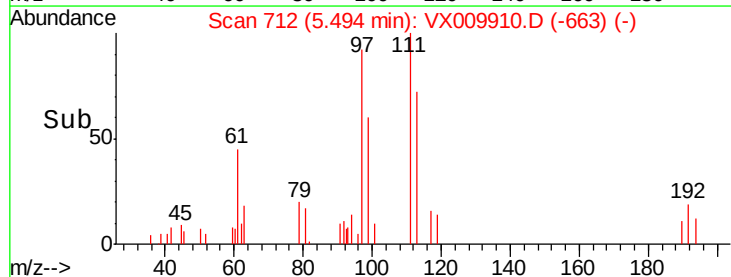
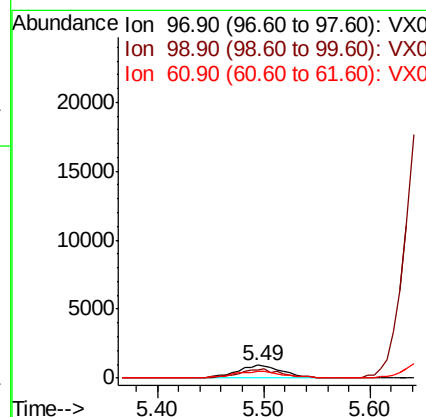
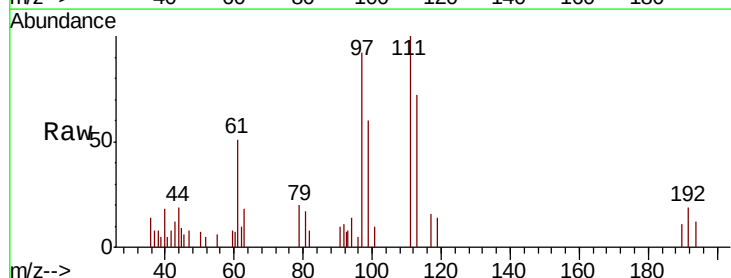
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

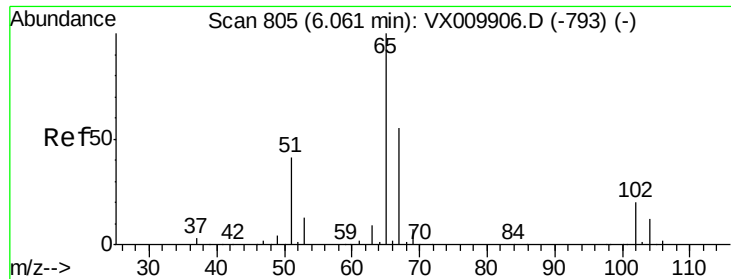
Tot Ion: 56 Resp: 3992
Ion Ratio Lower Upper
56 100
69 26.6 21.6 32.4
84 65.0 56.8 85.2



#32
1,1,1-Trichloroethane
Concen: 0.991 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion: 97 Resp: 2737
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 60.4 38.7 58.1#

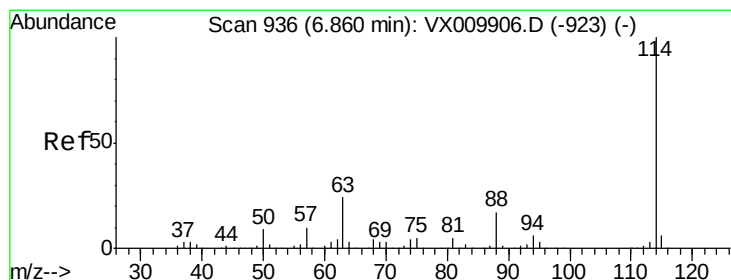
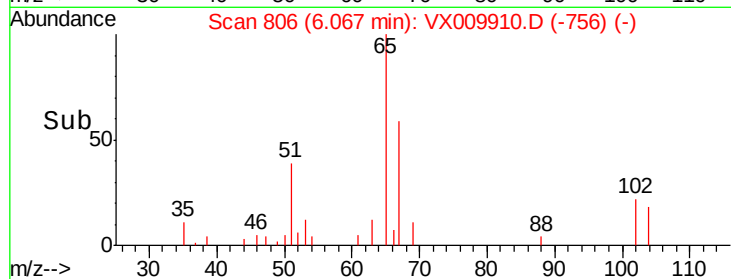
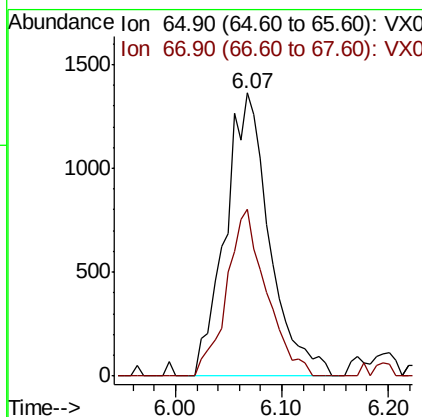
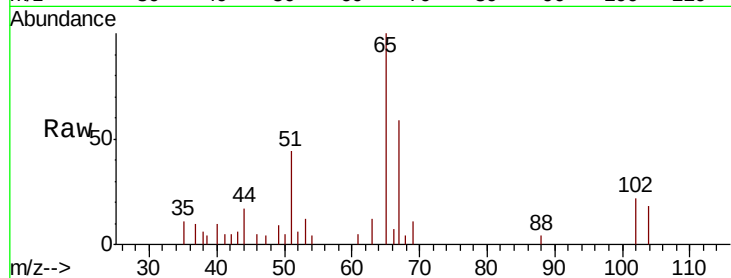




#33
 1,2-Dichloroethane-d4
 Concen: 1.744 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

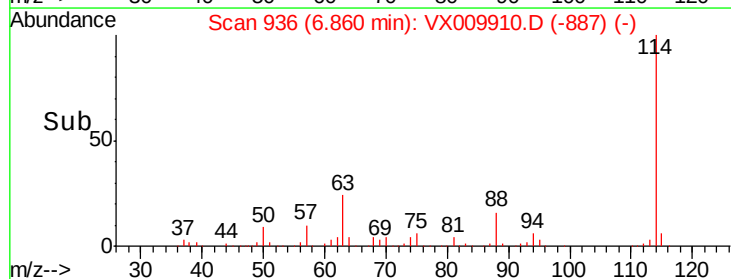
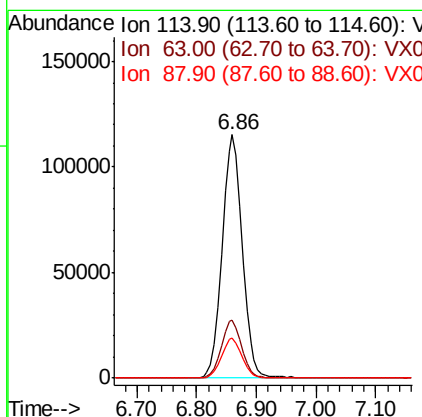
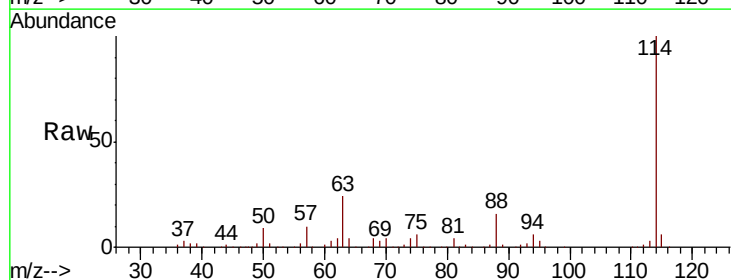
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

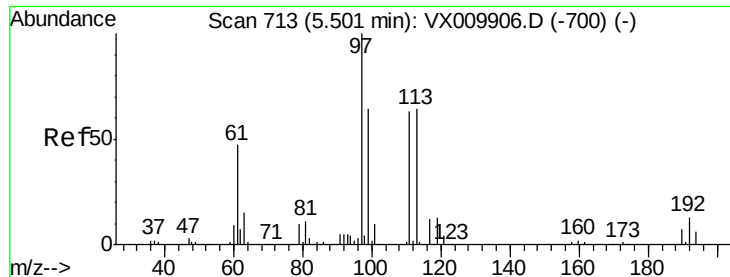
Tot Ion: 65 Resp: 3957
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Tgt Ion: 114 Resp: 271630
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 47.4
 88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 1.505 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

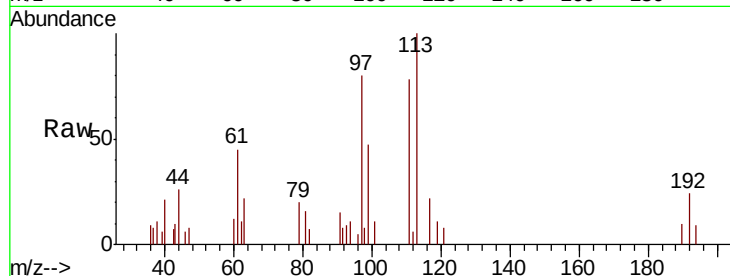
Tot Ion:113 Resp: 2547

Ion Ratio Lower Upper

113 100

111 107.3 82.2 123.2

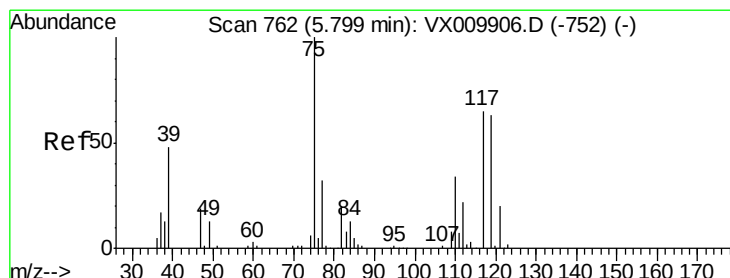
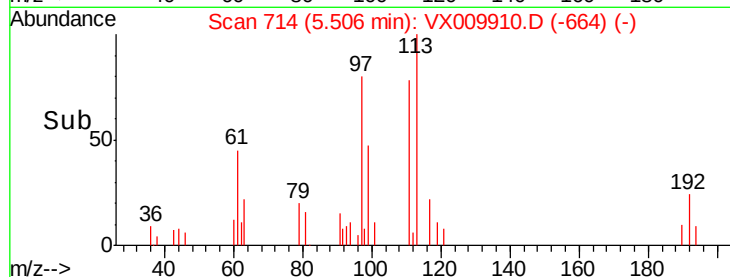
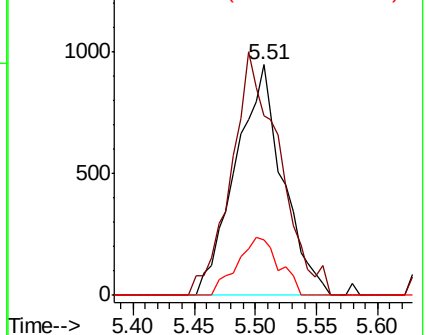
192 22.1 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.321 ug/l

RT: 5.81 min Scan# 764

Delta R.T. 0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

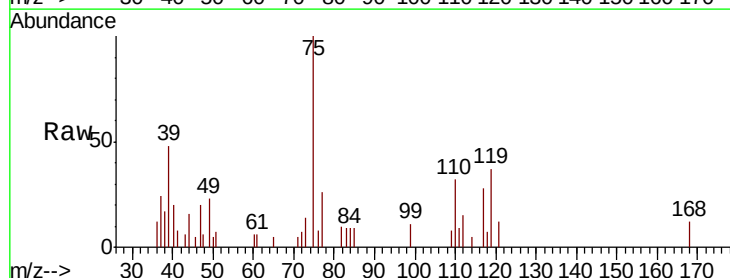
Tgt Ion: 75 Resp: 3376

Ion Ratio Lower Upper

75 100

110 29.7 16.7 50.1

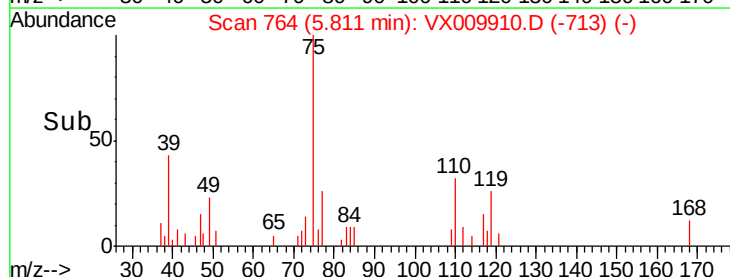
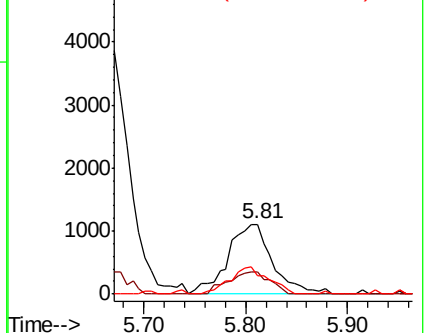
77 33.7 25.0 37.4

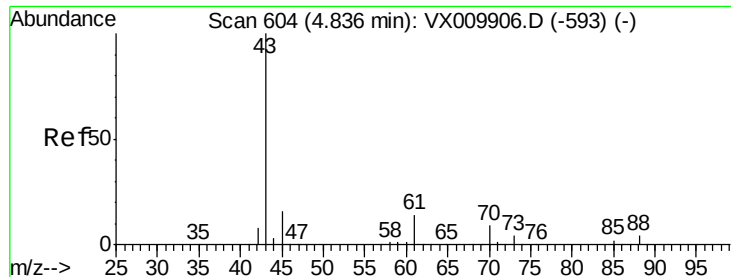


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

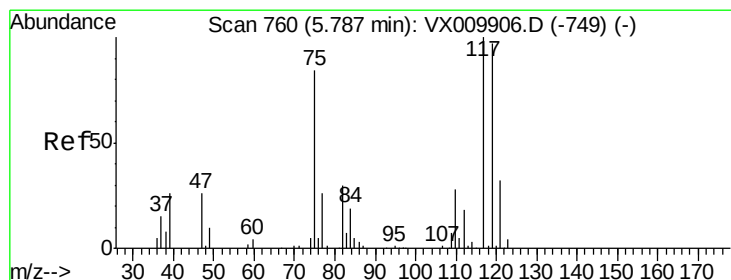
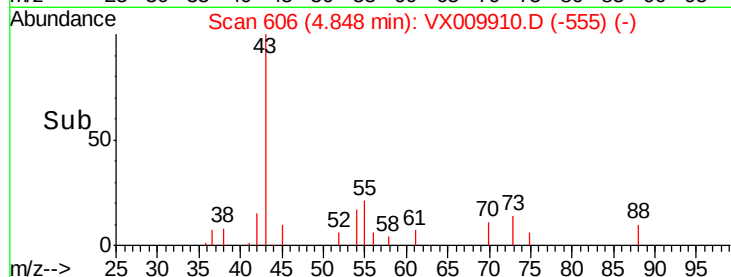
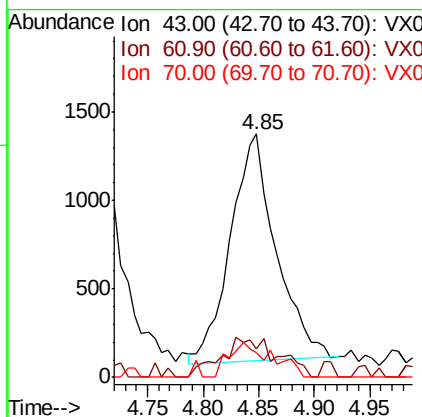
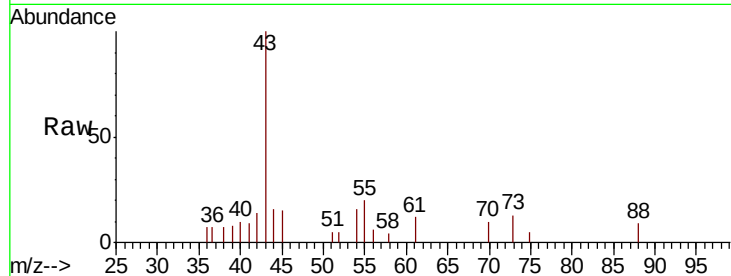




#37
Ethyl Acetate
Concen: 1.023 ug/l
RT: 4.85 min Scan# 606
Delta R.T. 0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

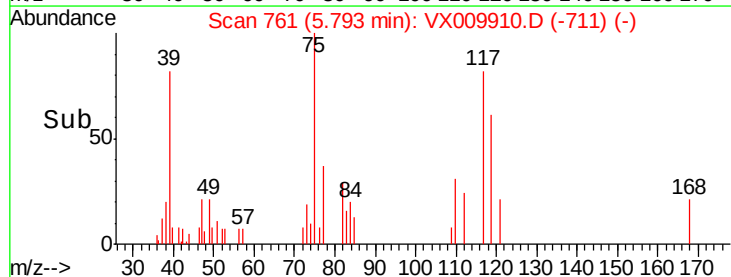
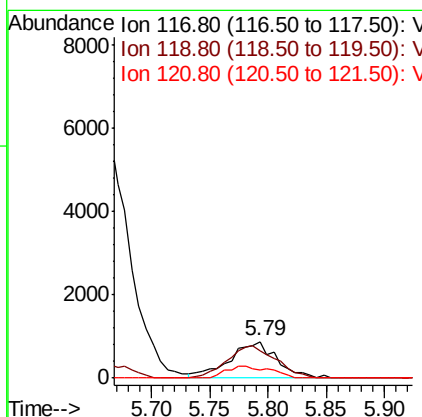
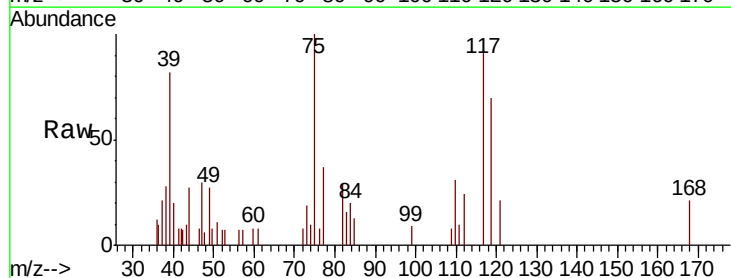
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

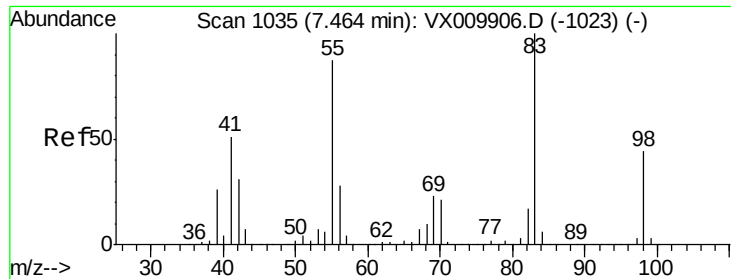
Tot Ion: 43 Resp: 3666
Ion Ratio Lower Upper
43 100
61 18.7 10.2 15.2#
70 14.6 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 1.058 ug/l
RT: 5.79 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion: 117 Resp: 2454
Ion Ratio Lower Upper
117 100
119 75.6 77.3 115.9#
121 22.6 25.4 38.0#

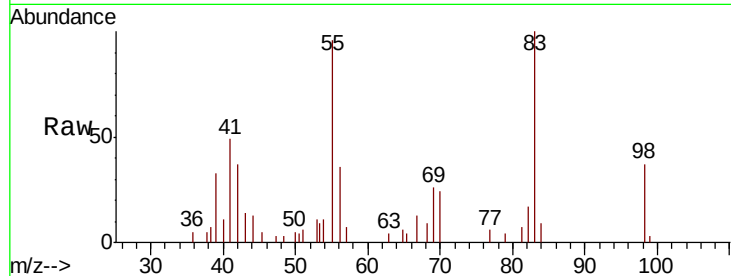




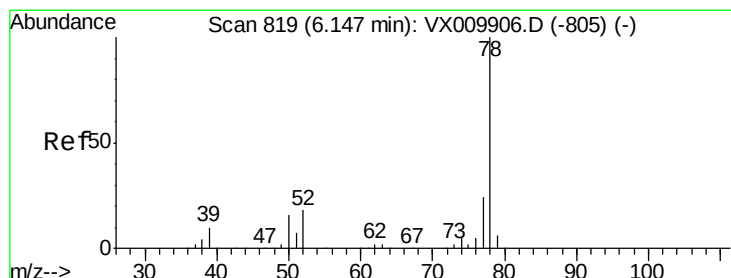
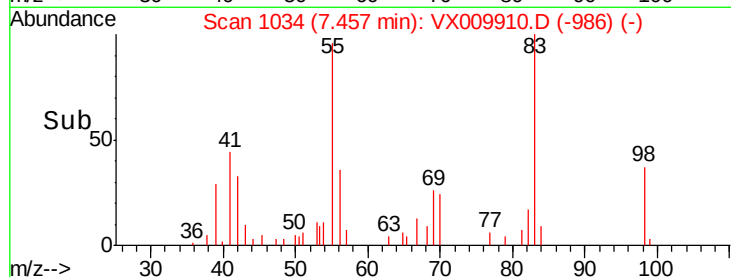
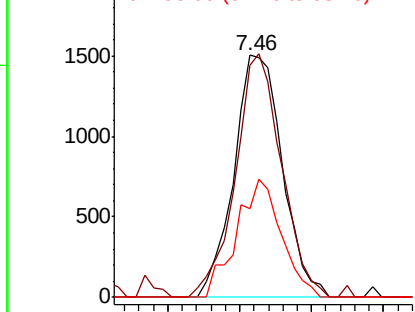
#39
Methylvlcyclohexane
Concen: 1.115 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 3511
Ion Ratio Lower Upper
83 100
55 95.8 69.9 104.9
98 36.9 35.1 52.7

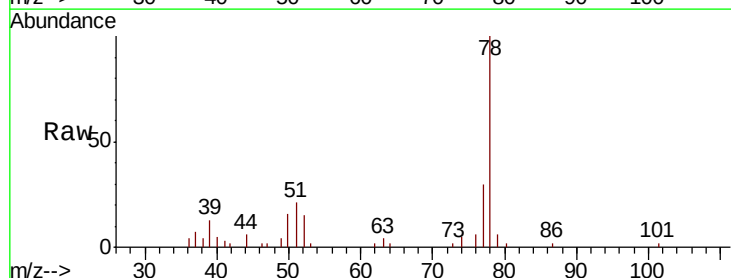


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

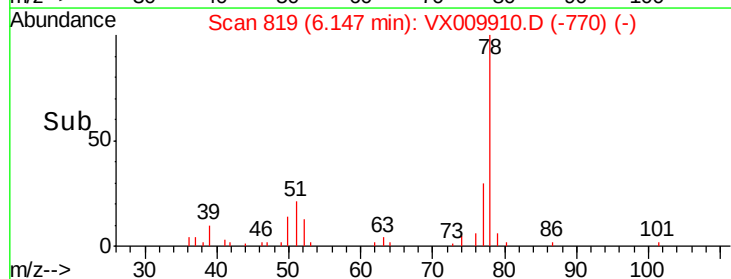
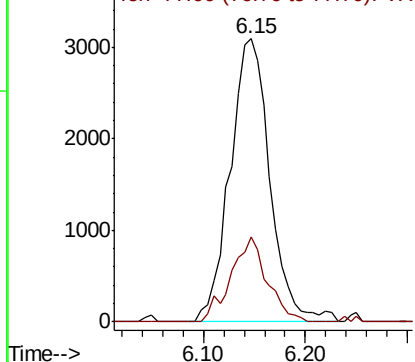


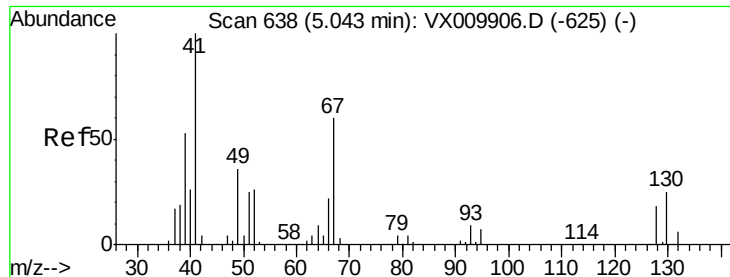
#40
Benzene
Concen: 1.063 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion: 78 Resp: 8382
Ion Ratio Lower Upper
78 100
77 30.2 19.2 28.8#



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





#41

Methacrylonitrile

Concen: 1.178 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 41 Resp: 2499

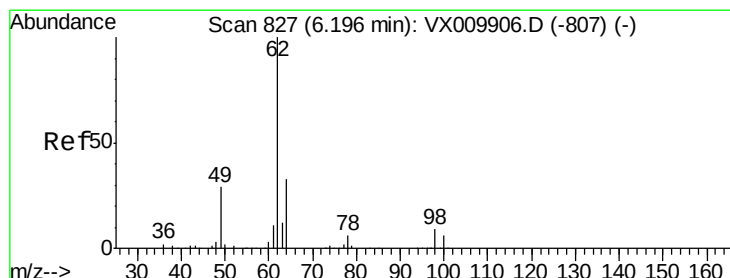
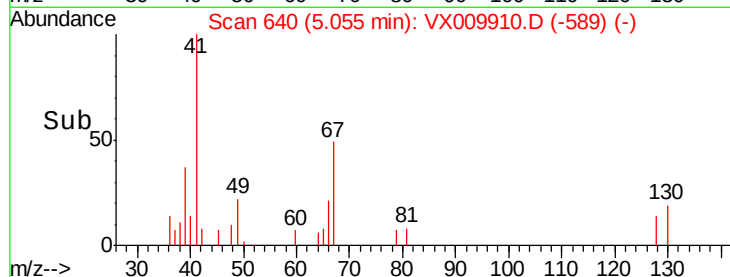
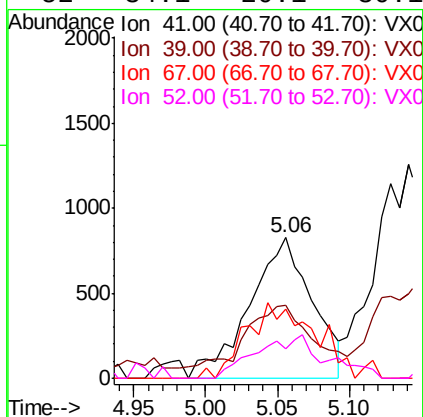
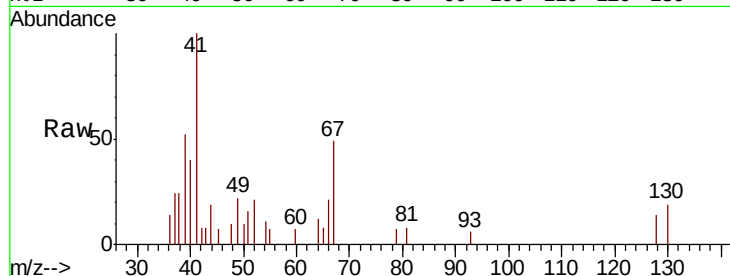
Ion Ratio Lower Upper

41 100

39 49.0 42.2 63.4

67 0.0 48.9 73.3#

52 34.1 20.1 30.1#



#42

1,2-Dichloroethane

Concen: 1.166 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX009910.D

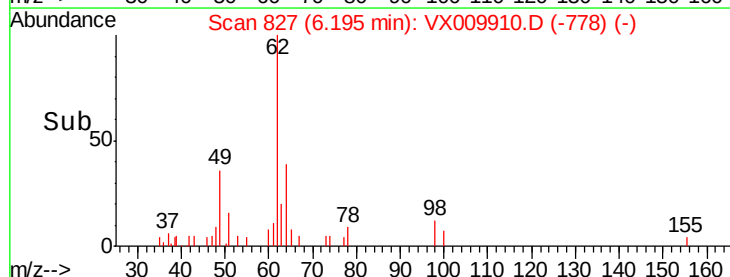
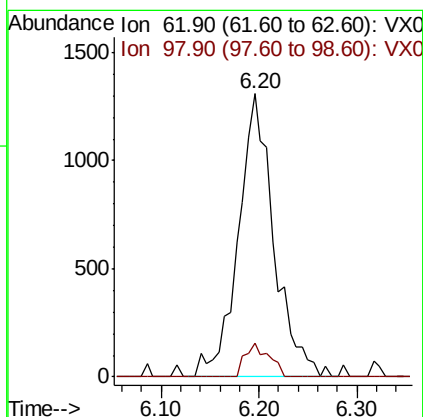
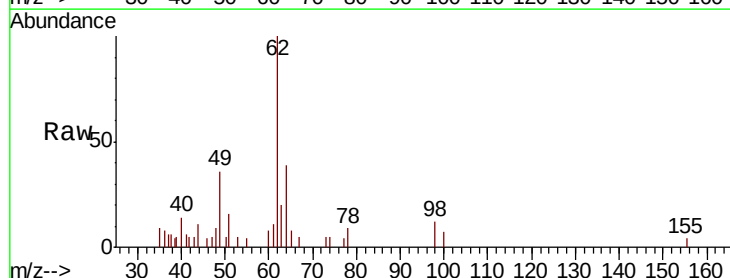
Acq: 28 May 2019 12:40

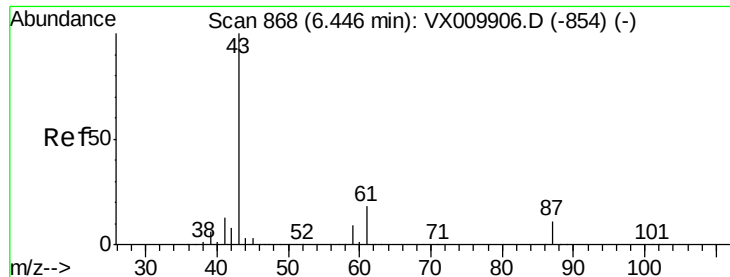
Tgt Ion: 62 Resp: 3312

Ion Ratio Lower Upper

62 100

98 8.1 0.0 17.2





#43

Isopropyl Acetate

Concen: 1.096 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

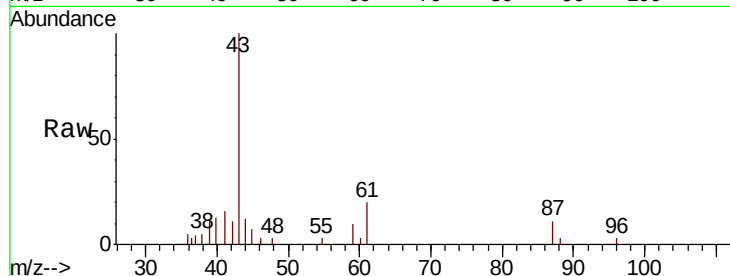
Tot Ion: 43 Resp: 6261

Ion Ratio Lower Upper

43 100

61 19.3 14.6 21.8

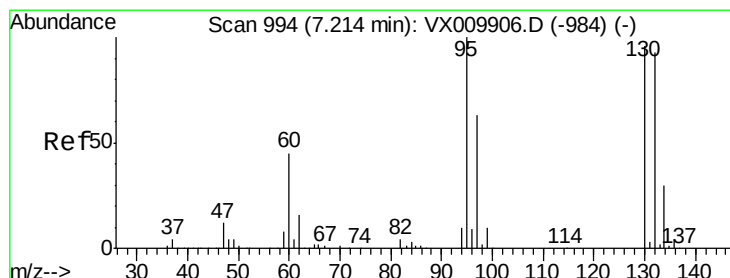
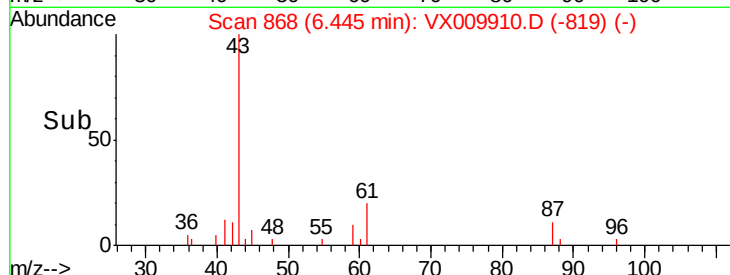
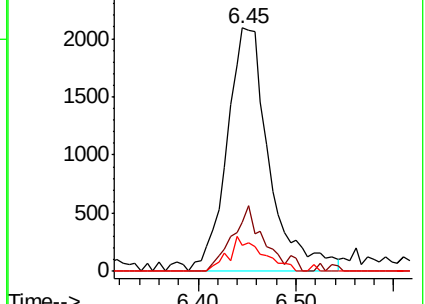
87 11.5 8.7 13.1



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: 1.251 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009910.D

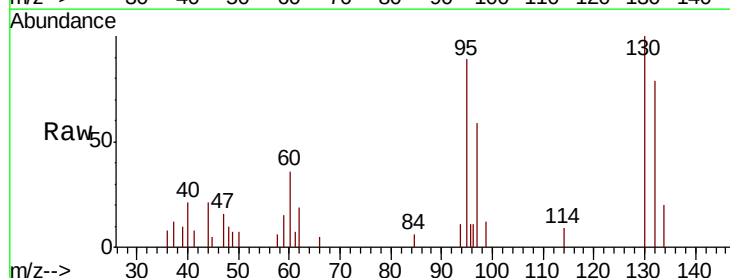
Acq: 28 May 2019 12:40

Tgt Ion:130 Resp: 2383

Ion Ratio Lower Upper

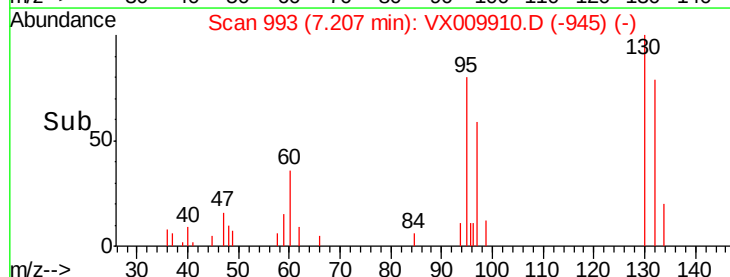
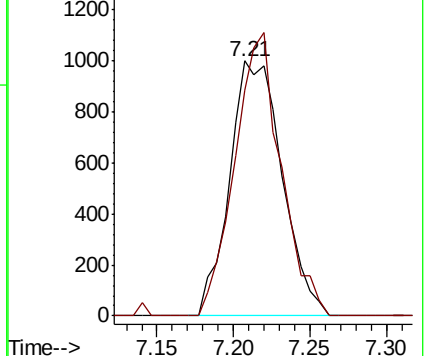
130 100

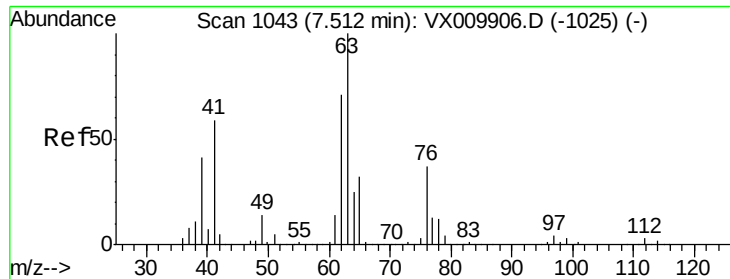
95 88.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.123 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

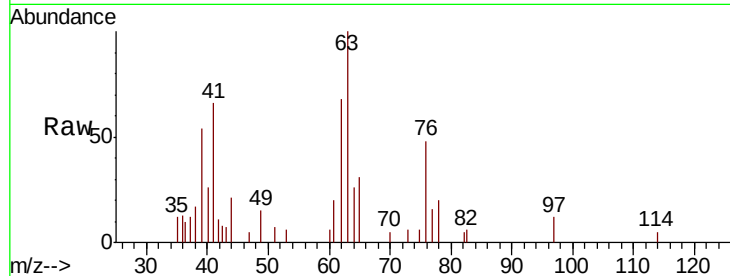
VSTDIC001

Tot Ion: 63 Resp: 2508

Ion Ratio Lower Upper

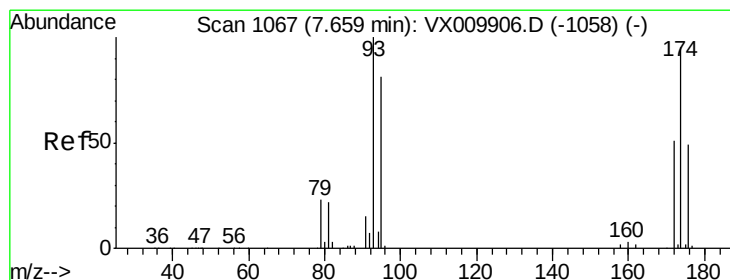
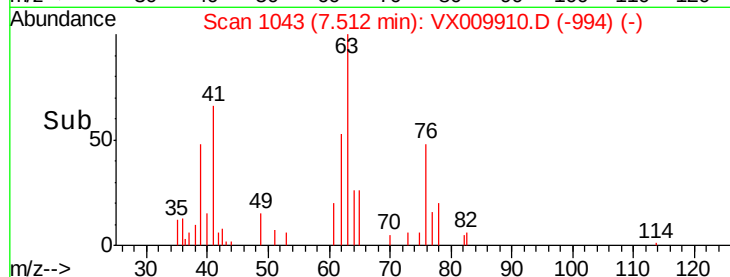
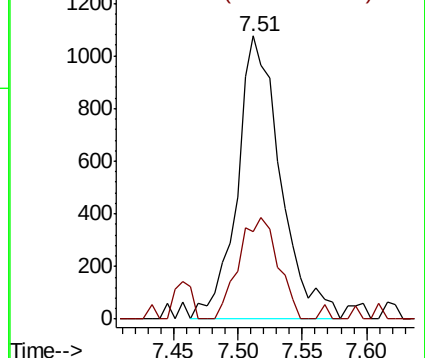
63 100

65 30.9 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 1.307 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

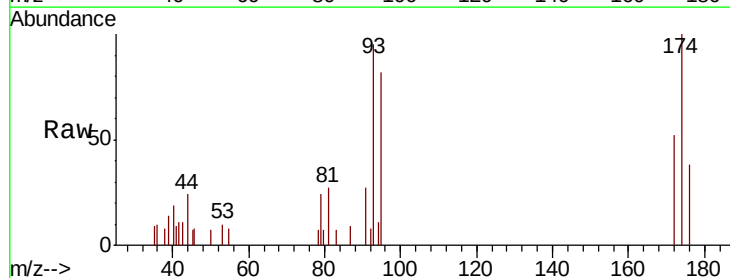
Tgt Ion: 93 Resp: 1694

Ion Ratio Lower Upper

93 100

95 80.1 66.8 100.2

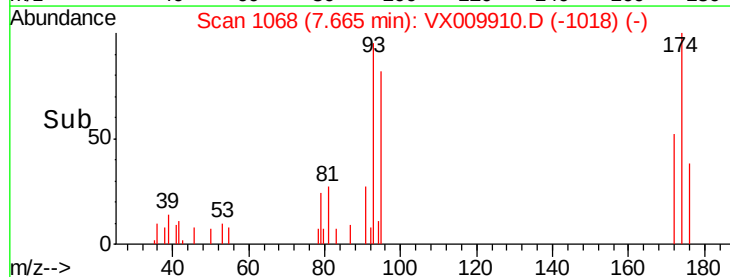
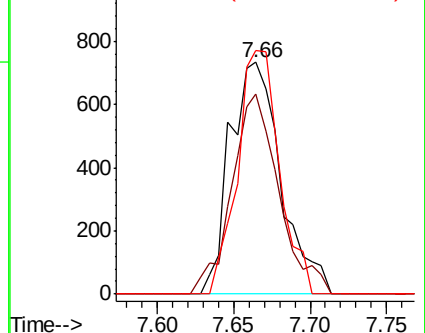
174 87.0 81.9 122.9

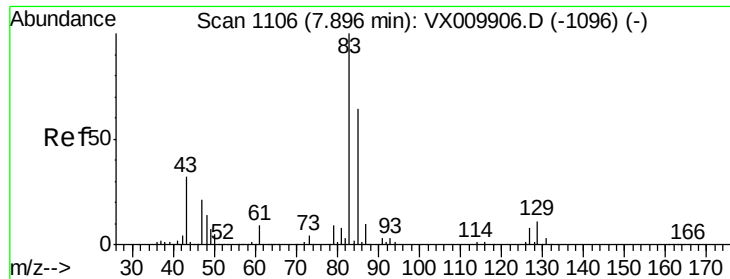


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.985 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

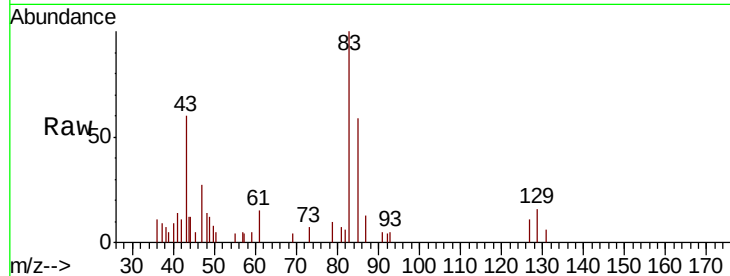
Tot Ion: 83 Resp: 2541

Ion Ratio Lower Upper

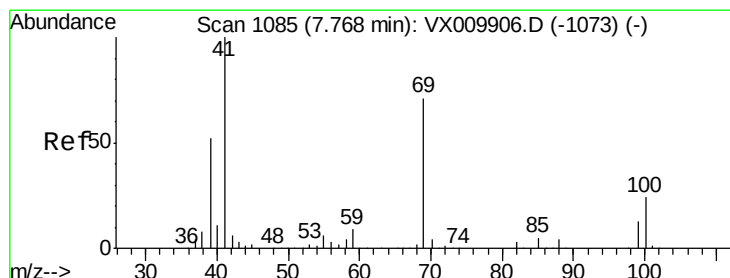
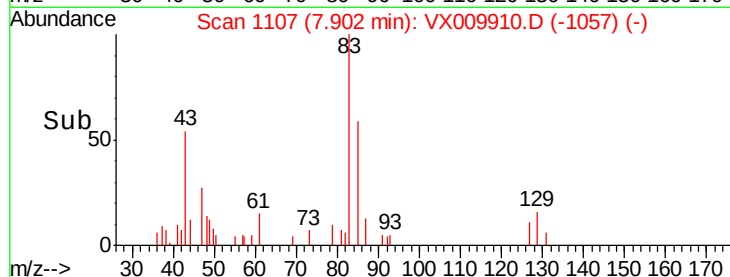
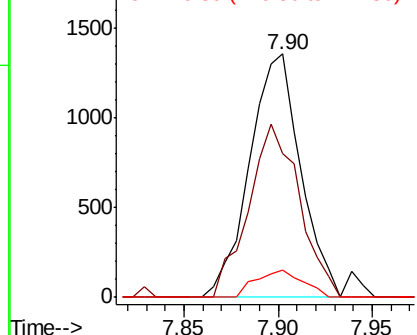
83 100

85 59.2 51.4 77.2

127 11.0 6.4 9.6#



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: 1.003 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

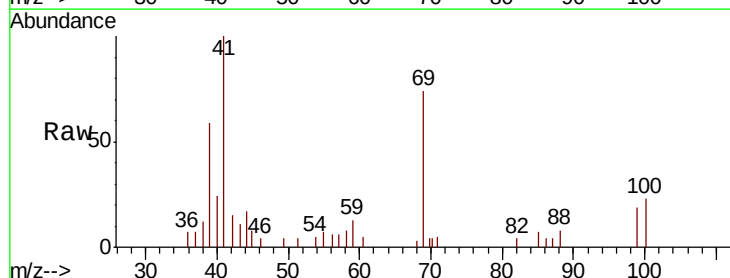
Tgt Ion: 41 Resp: 2852

Ion Ratio Lower Upper

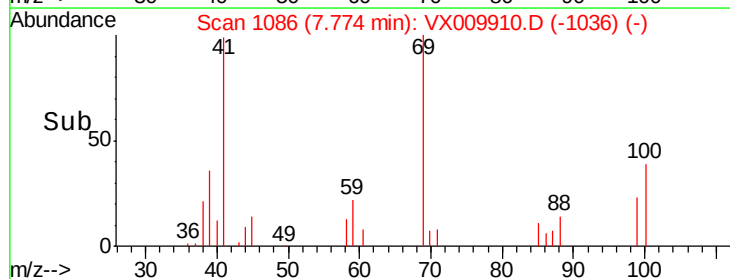
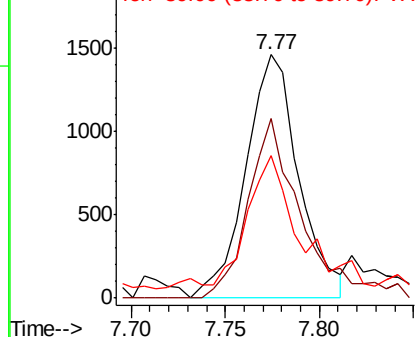
41 100

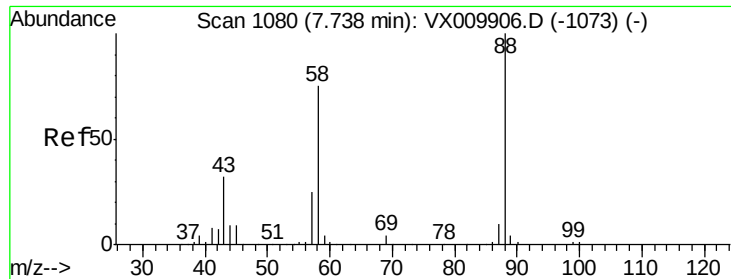
69 74.3 56.4 84.6

39 59.6 40.6 60.8



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

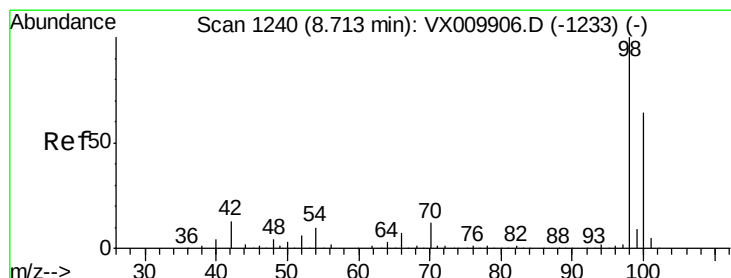
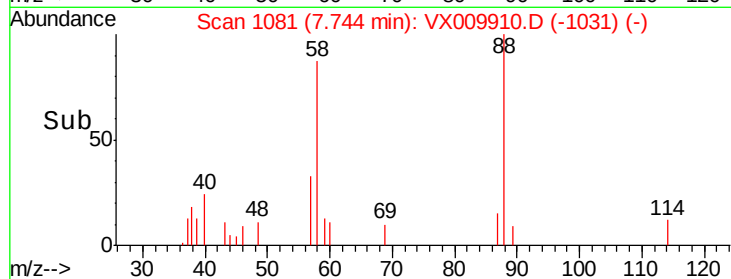
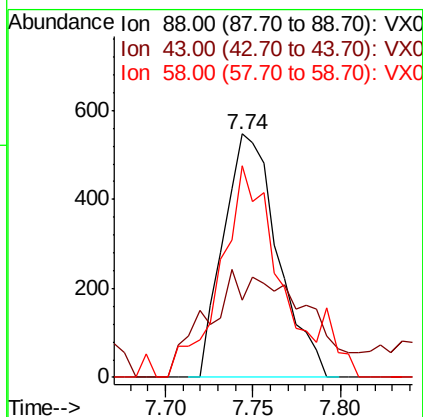
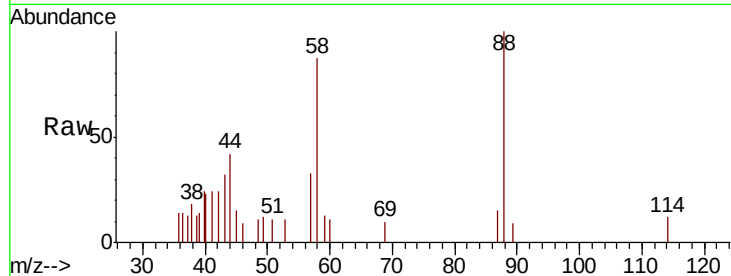




#49
1,4-Dioxane
Concen: 20.721 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

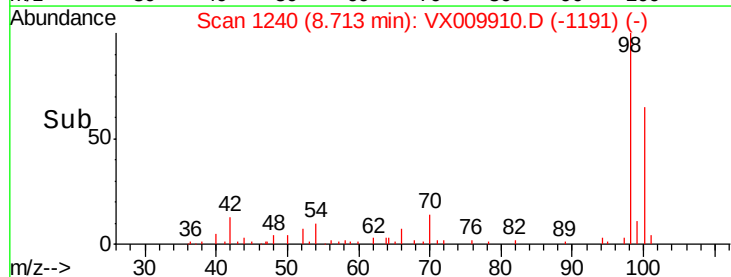
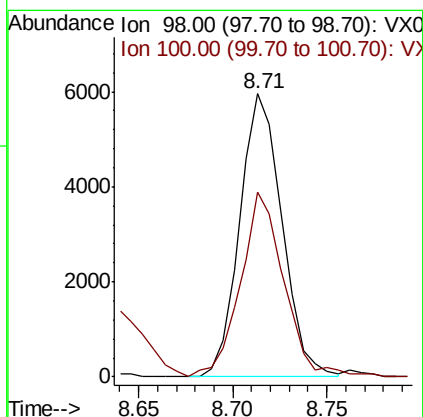
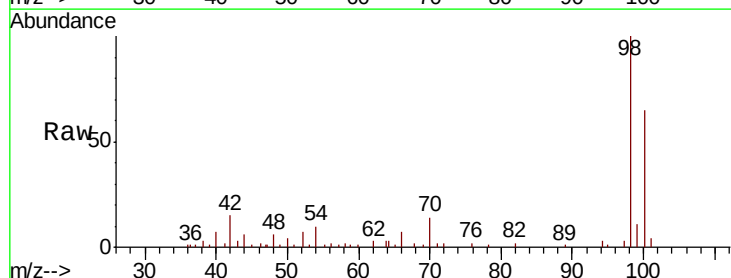
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

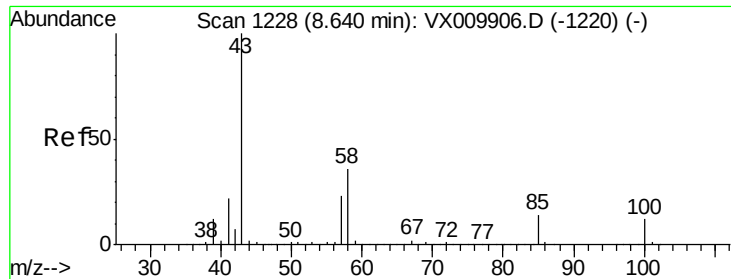
Tot Ion: 88 Resp: 1179
Ion Ratio Lower Upper
88 100
43 79.6 30.2 45.4#
58 91.3 64.0 96.0



#50
Toluene-d8
Concen: 1.354 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion: 98 Resp: 9273
Ion Ratio Lower Upper
98 100
100 66.9 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 5.355 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

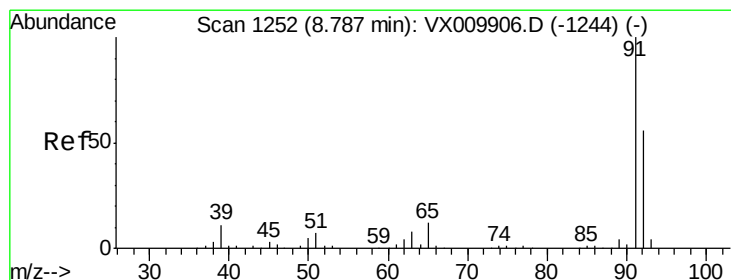
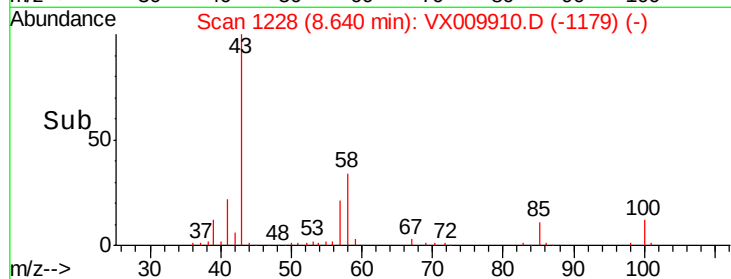
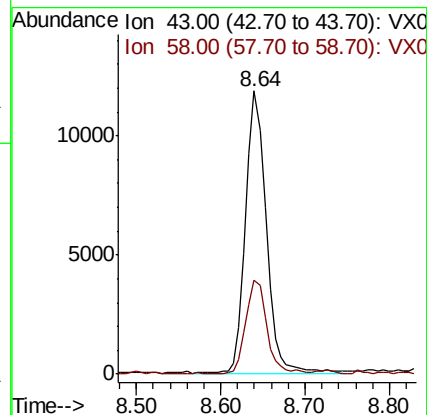
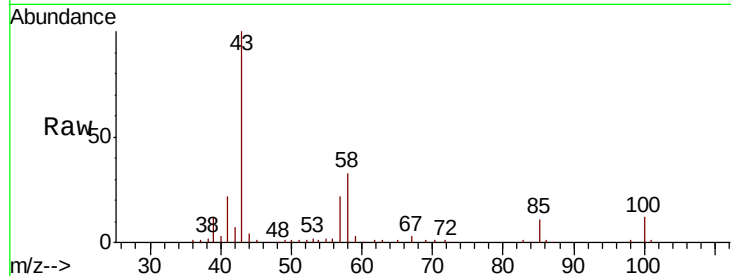
VSTDIC001

Tot Ion: 43 Resp: 20047

Ion Ratio Lower Upper

43 100

58 33.1 28.8 43.2



#52

Toluene

Concen: 1.063 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009910.D

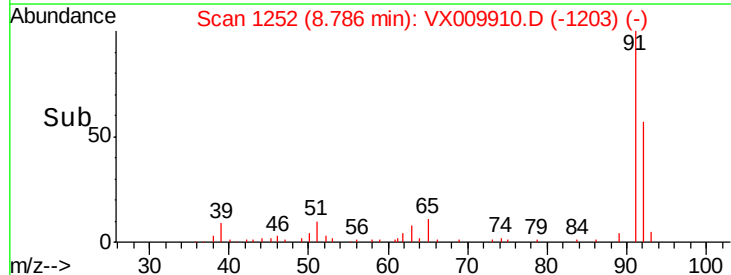
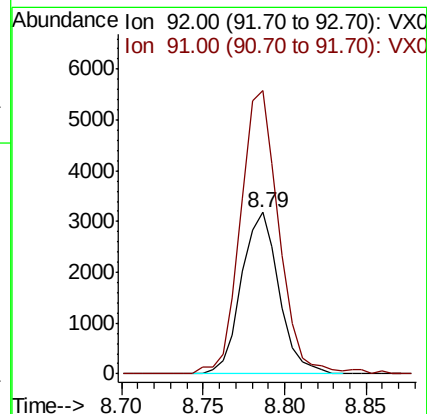
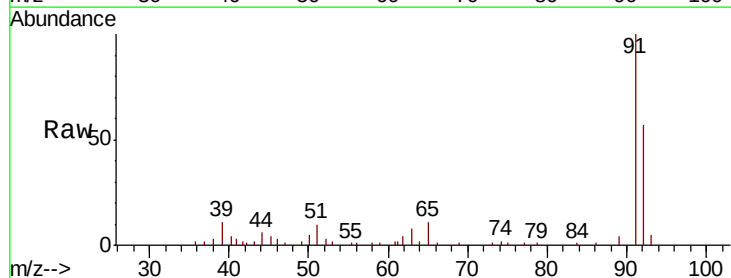
Acq: 28 May 2019 12:40

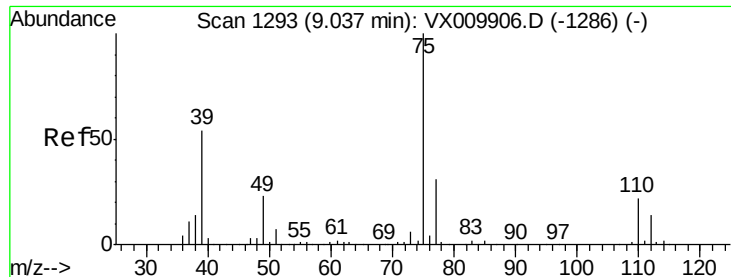
Tgt Ion: 92 Resp: 5098

Ion Ratio Lower Upper

92 100

91 179.7 139.9 209.9

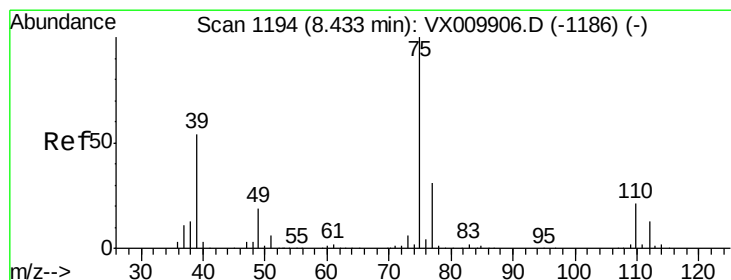
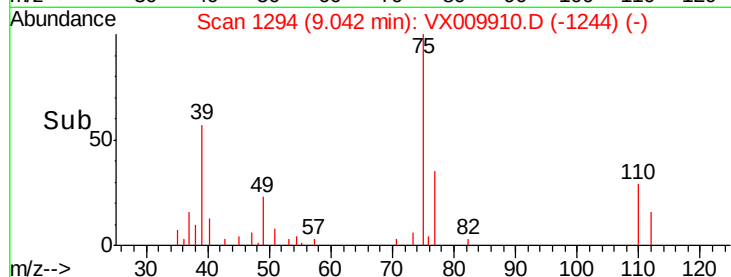
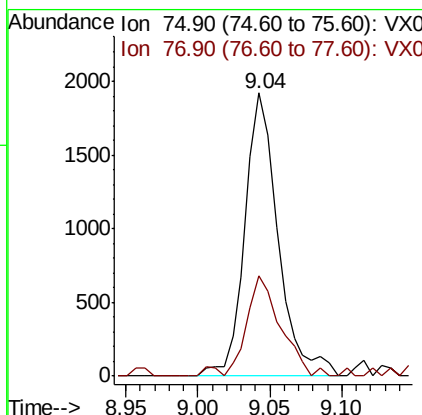
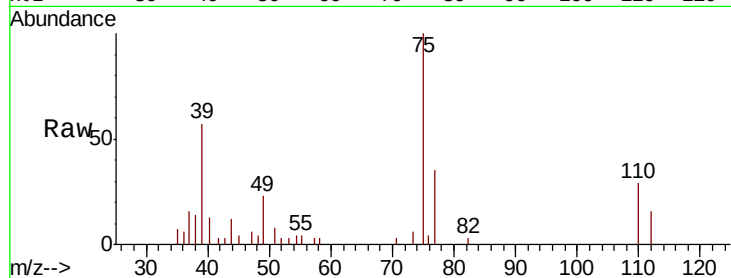




#53
 t-1,3-Dichloropropene
 Concen: 1.048 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

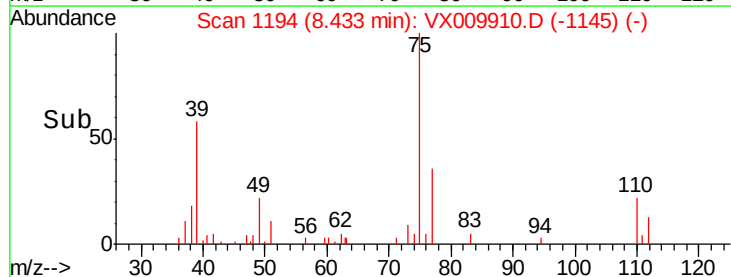
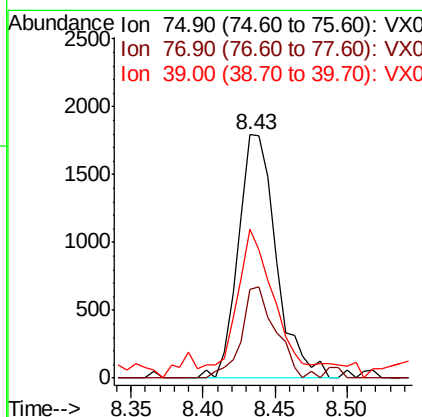
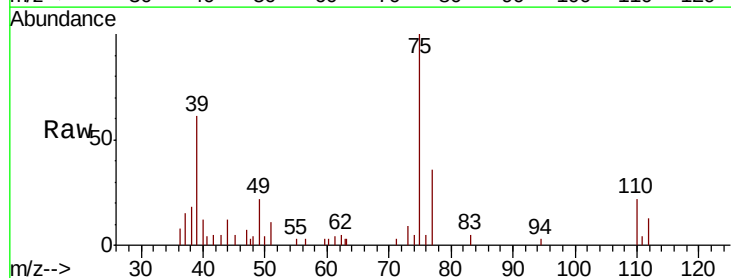
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

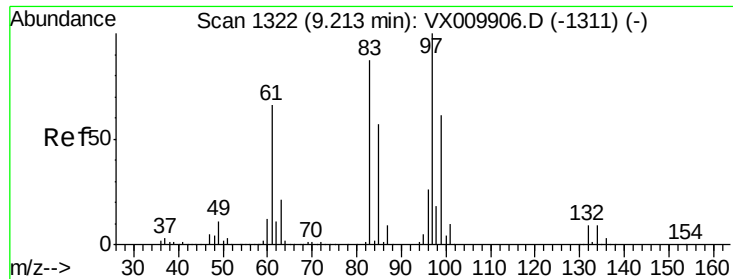
Tot Ion: 75 Resp: 3078
 Ion Ratio Lower Upper
 75 100
 77 35.4 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 1.016 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Tgt Ion: 75 Resp: 3290
 Ion Ratio Lower Upper
 75 100
 77 36.2 24.8 37.2
 39 55.6 43.4 65.0





#55

1,1,2-Trichloroethane

Concen: 1.067 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 2077

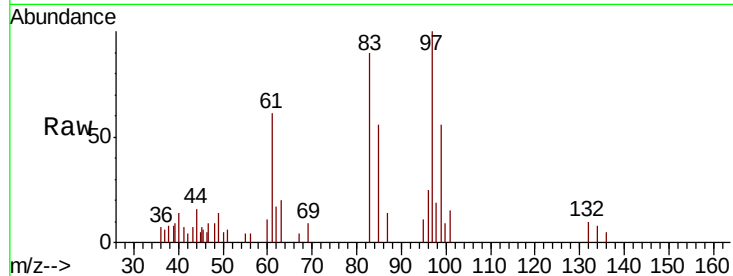
Ion Ratio Lower Upper

97 100

83 90.4 69.8 104.8

85 56.2 45.3 67.9

99 55.8 49.0 73.4



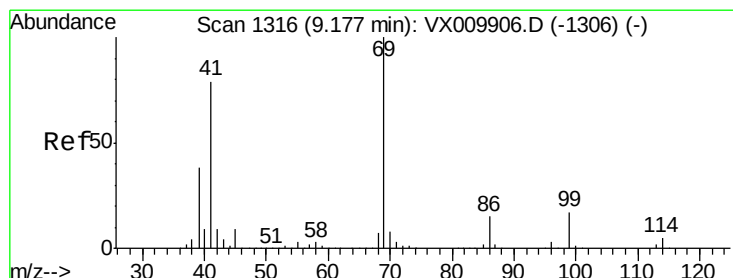
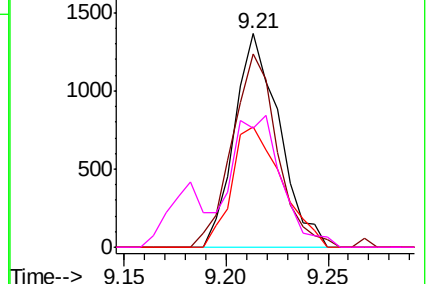
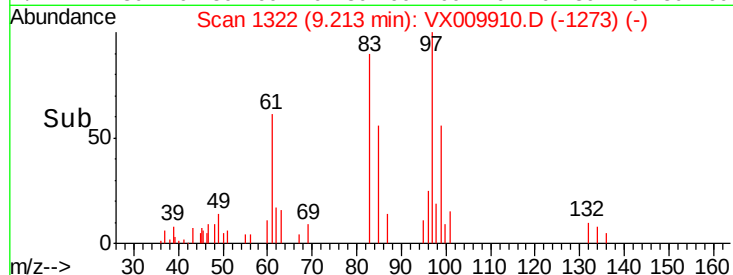
Abundance

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: 0.877 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

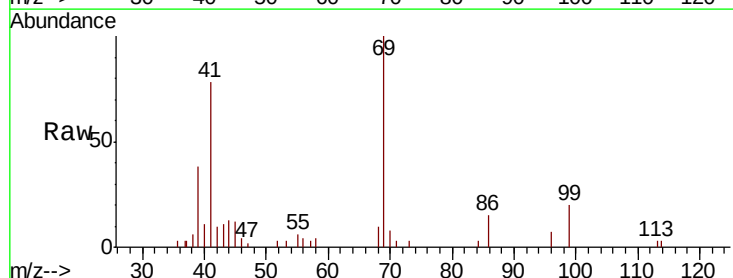
Tgt Ion: 69 Resp: 3070

Ion Ratio Lower Upper

69 100

41 88.2 62.7 94.1

39 57.3 29.5 44.3#

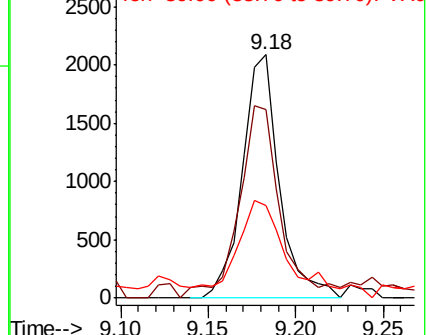
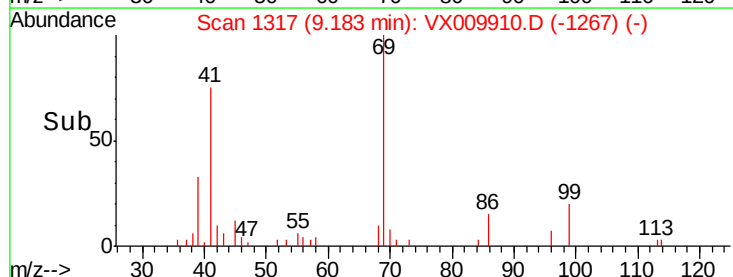


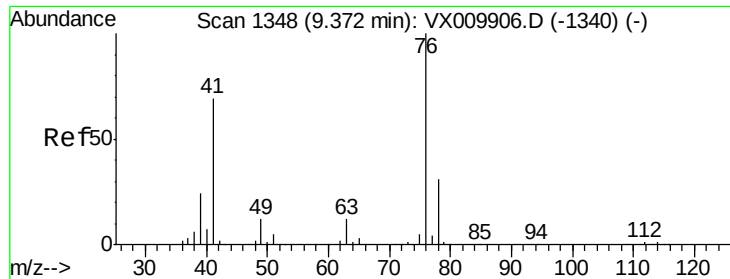
Abundance

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

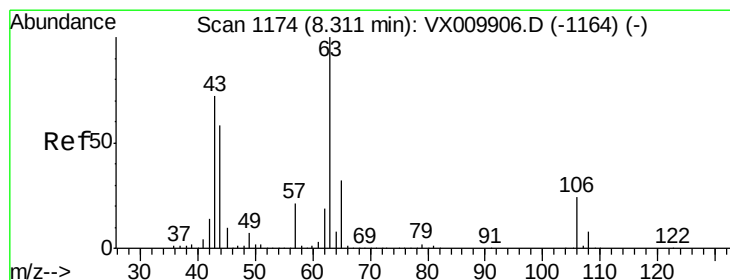
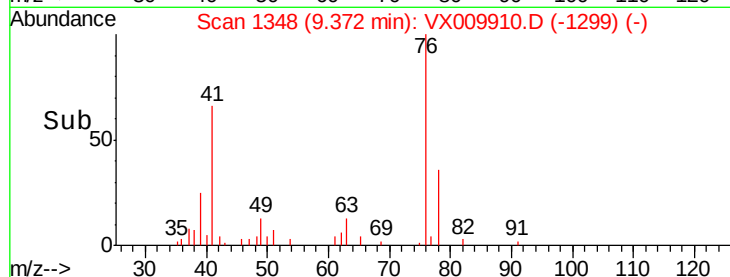
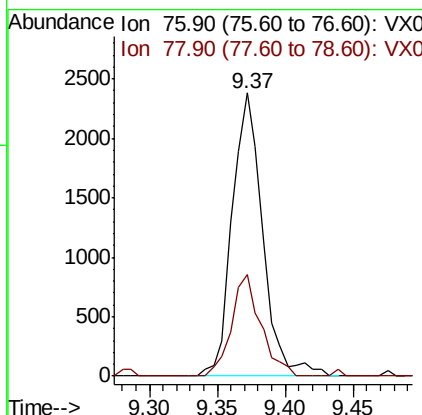
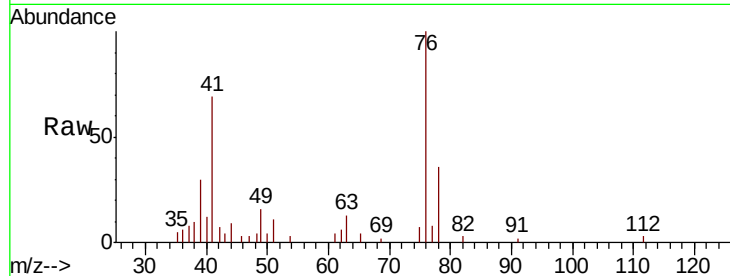




#57
 1,3-Dichloropropane
 Concen: 1.079 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

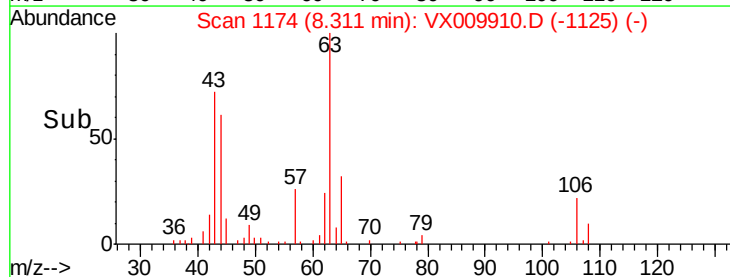
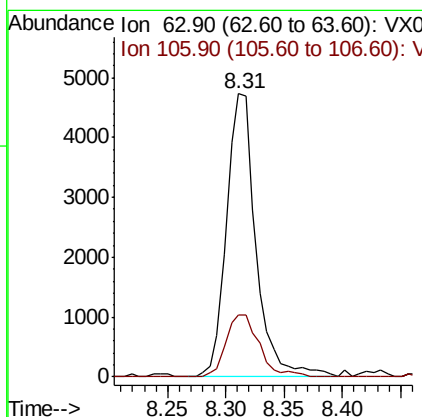
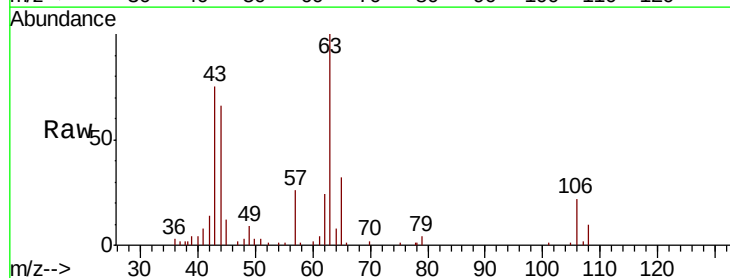
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

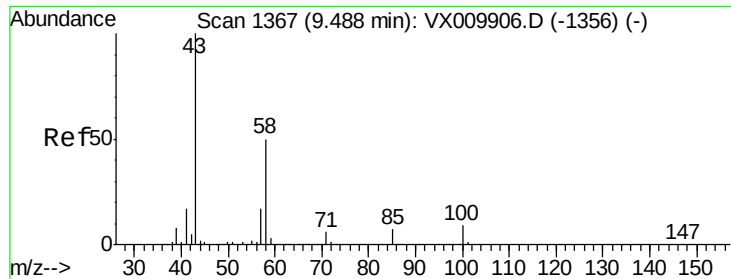
Tot Ion: 76 Resp: 3714
 Ion Ratio Lower Upper
 76 100
 78 34.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.541 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Tgt Ion: 63 Resp: 8344
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.4 29.2

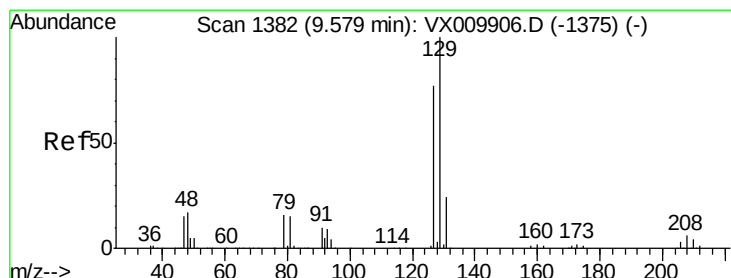
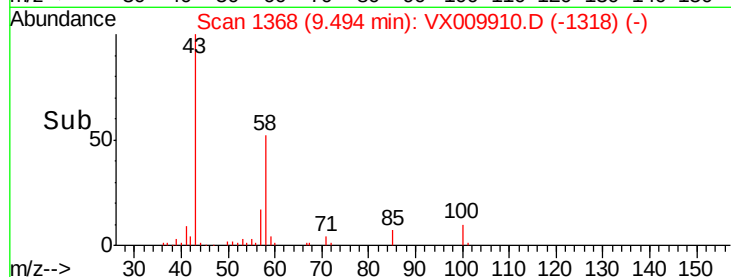
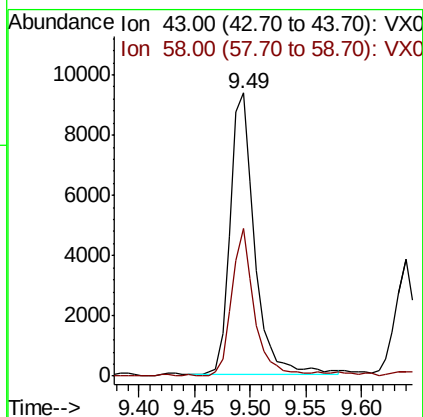
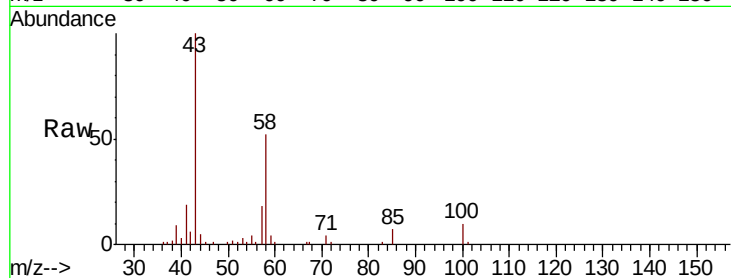




#59
2-Hexanone
Concen: 4.840 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

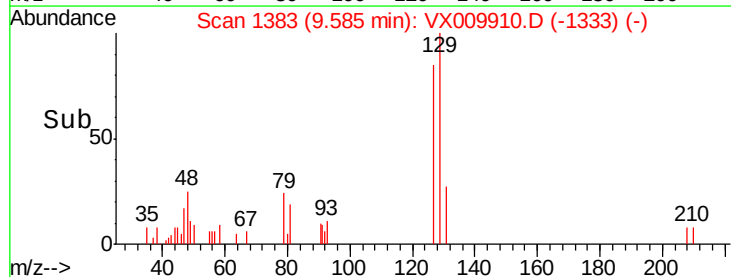
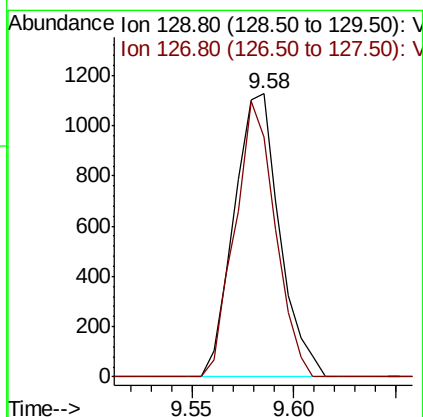
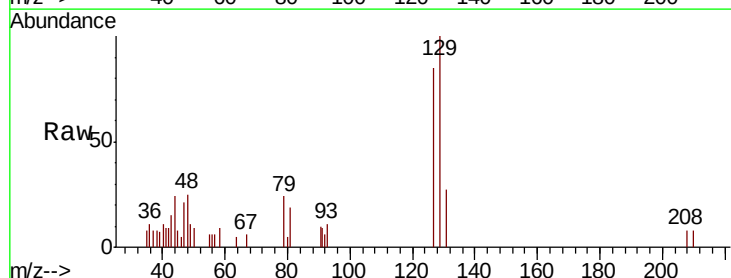
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

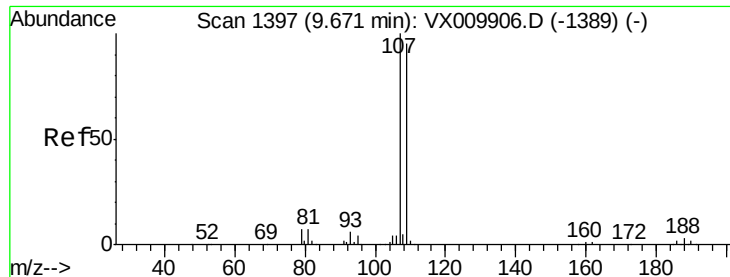
Tot Ion: 43 Resp: 14217
Ion Ratio Lower Upper
43 100
58 48.4 25.1 75.3



#60
Dibromochloromethane
Concen: 0.915 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion: 129 Resp: 1746
Ion Ratio Lower Upper
129 100
127 86.0 38.5 115.5

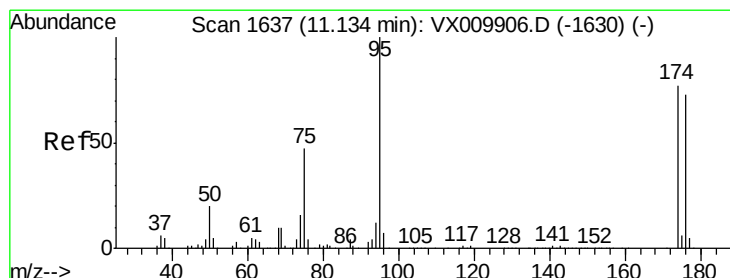
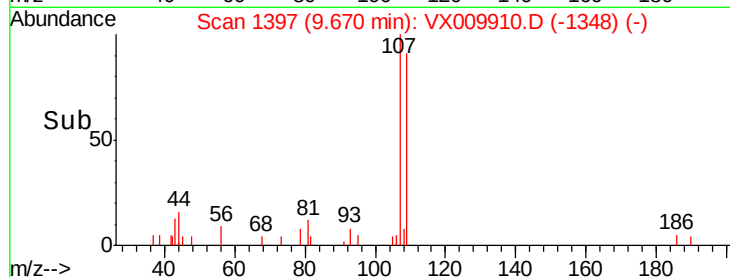
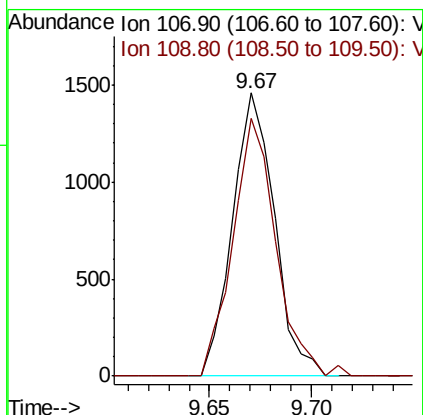
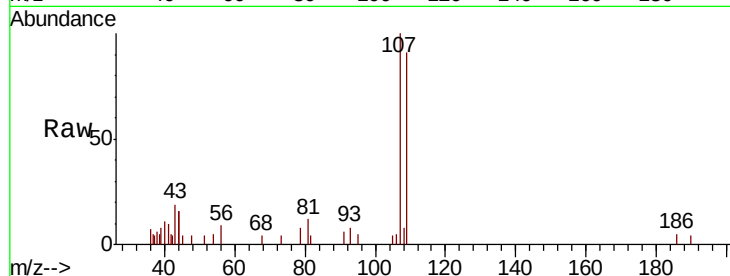




#61
 1,2-Dibromoethane
 Concen: 1.059 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

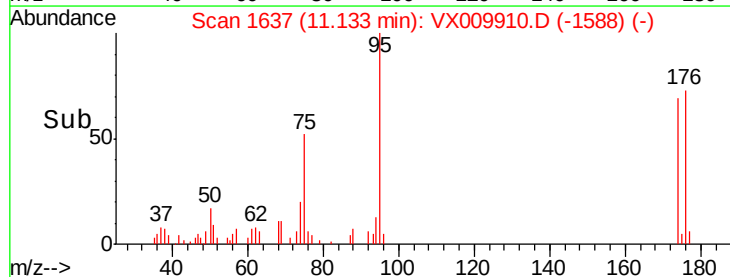
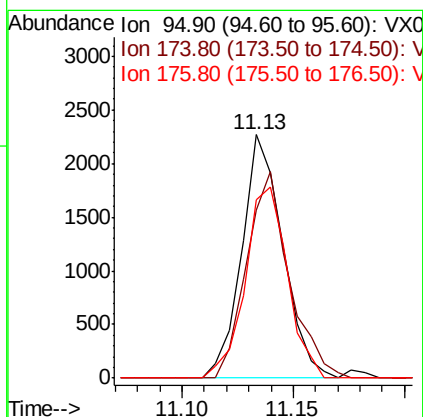
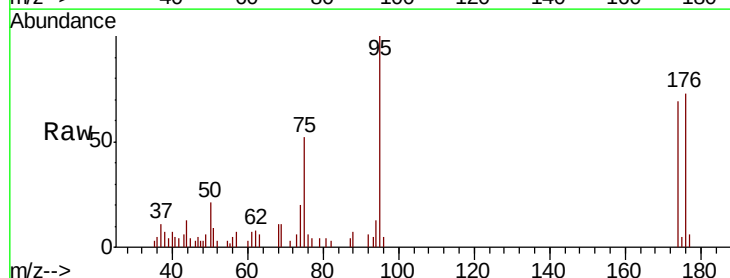
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

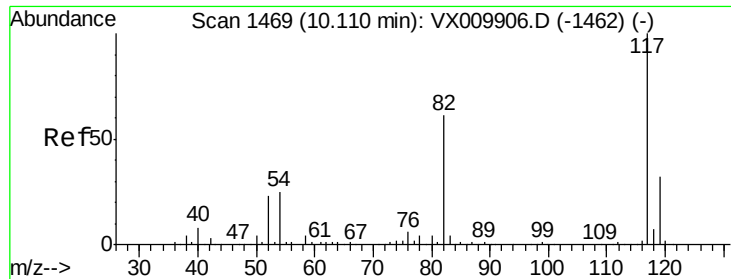
Tot Ion:107 Resp: 2085
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 1.171 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Tgt Ion: 95 Resp: 2921
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 160.4
 176 80.7 0.0 154.6

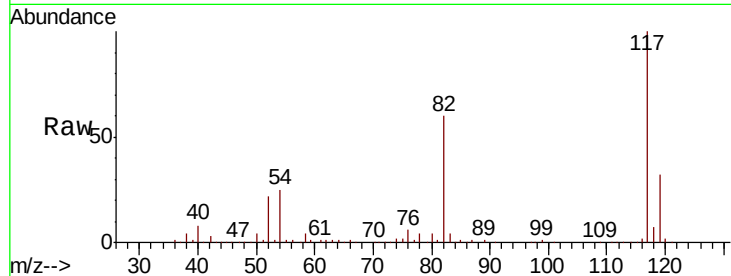




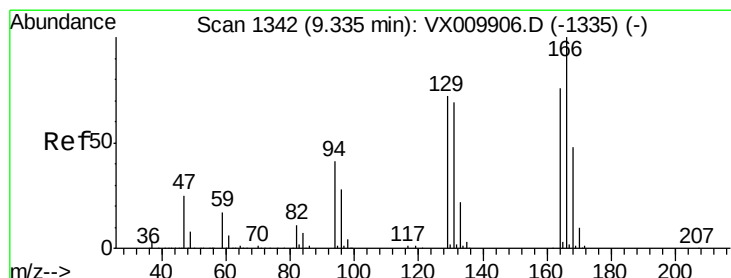
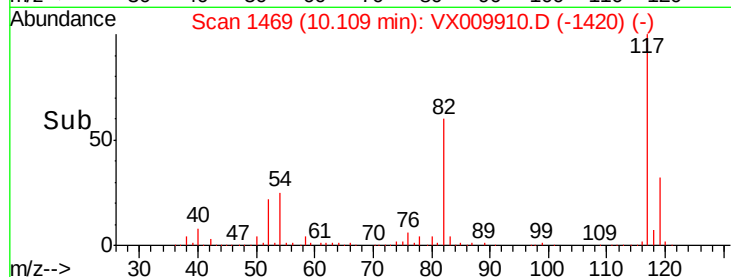
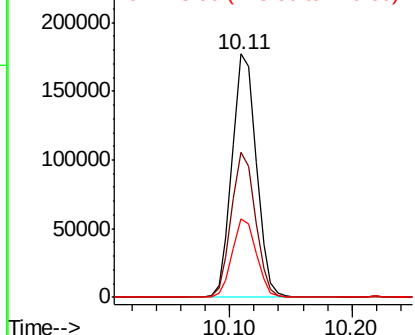
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 242469
Ion Ratio Lower Upper
117 100
82 59.6 49.2 73.8
119 32.2 25.2 37.8

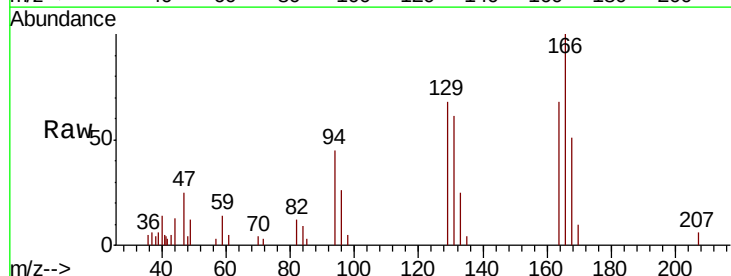


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

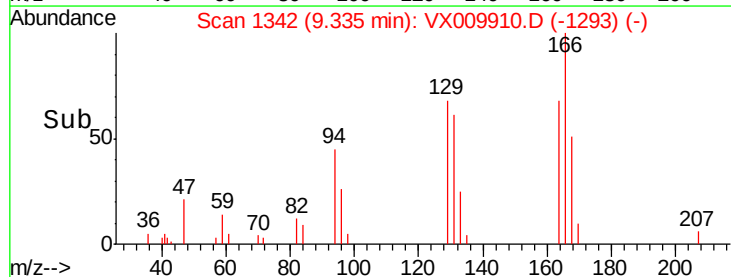
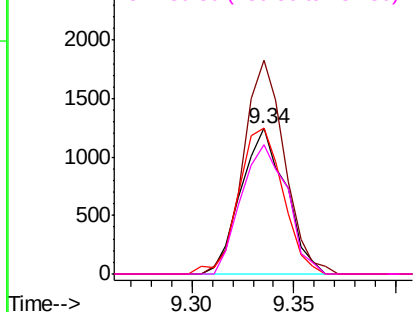


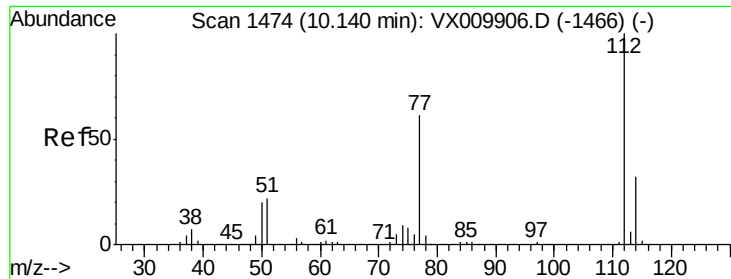
#64
Tetrachloroethene
Concen: 1.131 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion:164 Resp: 1895
Ion Ratio Lower Upper
164 100
166 146.9 105.0 157.4
129 100.0 75.1 112.7
131 88.9 72.2 108.4



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

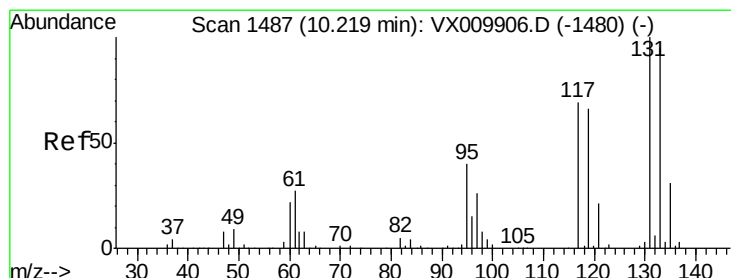
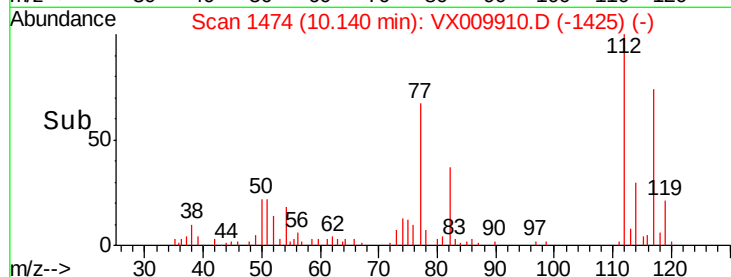
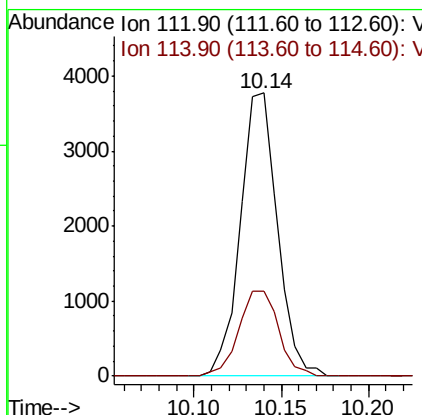
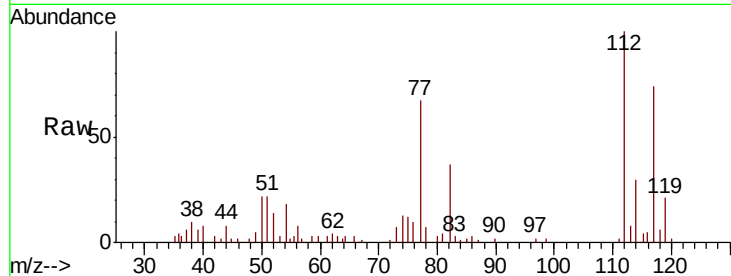




#65
Chlorobenzene
Concen: 1.145 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

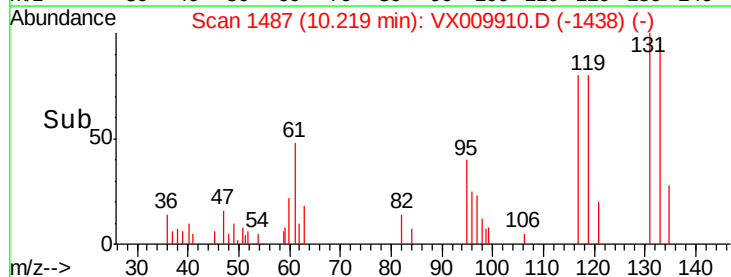
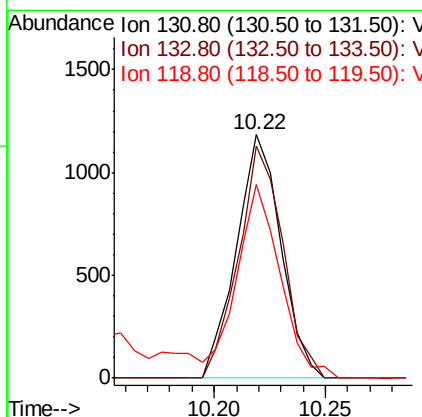
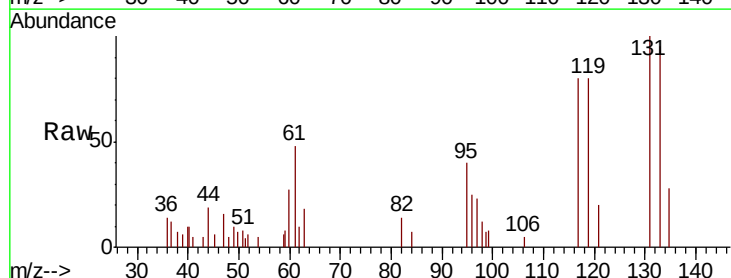
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

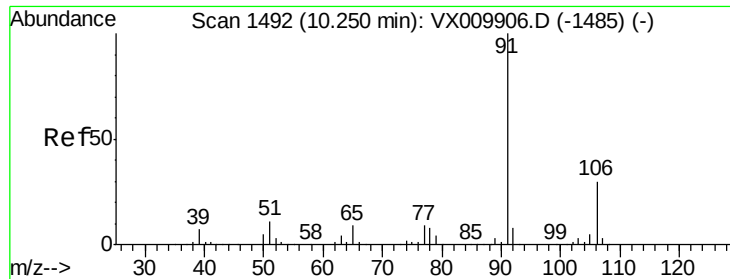
Tot Ion:112 Resp: 5586
Ion Ratio Lower Upper
112 100
114 30.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 0.931 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion:131 Resp: 1646
Ion Ratio Lower Upper
131 100
133 95.3 47.5 142.6
119 0.0 33.4 100.1#

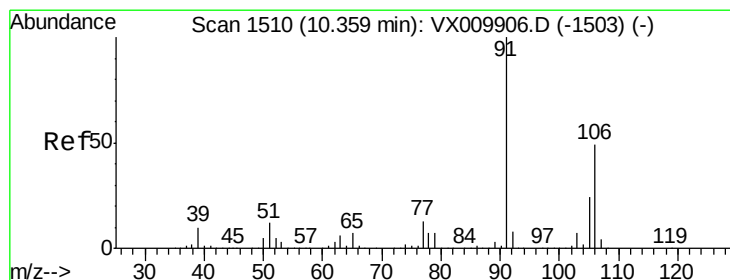
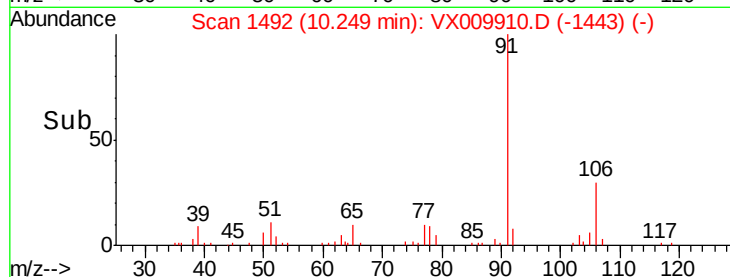
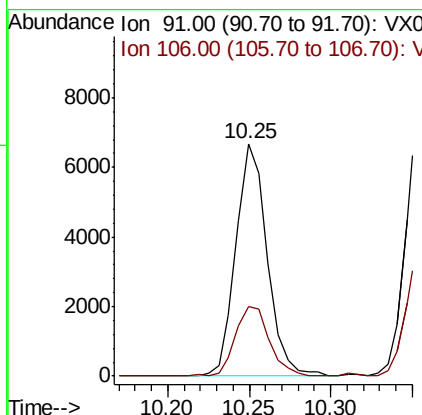
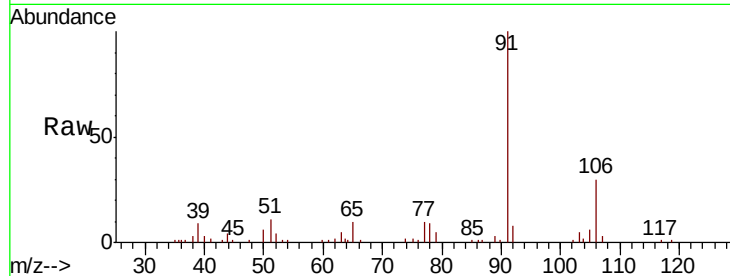




#67
Ethyl Benzene
Concen: 0.995 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

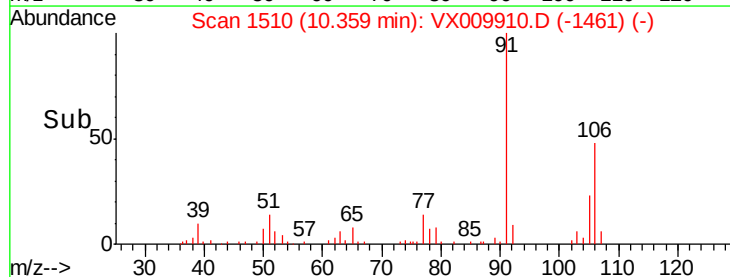
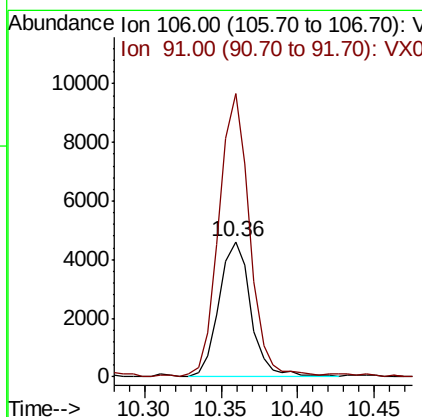
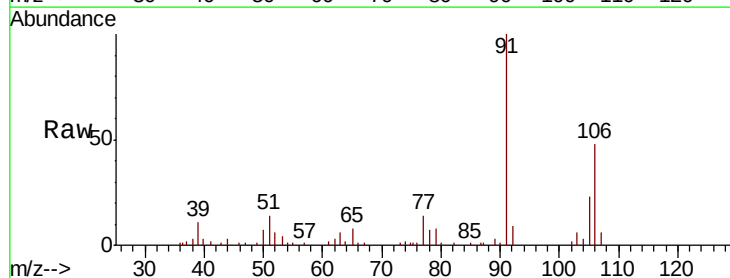
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

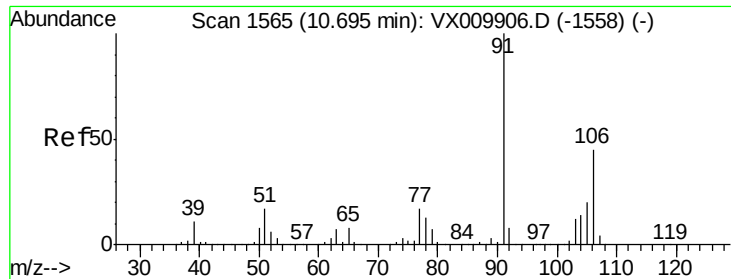
Tot Ion: 91 Resp: 8938
Ion Ratio Lower Upper
91 100
106 30.1 23.9 35.9



#68
m/p-Xylenes
Concen: 2.036 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion: 106 Resp: 6691
Ion Ratio Lower Upper
106 100
91 202.8 167.3 250.9

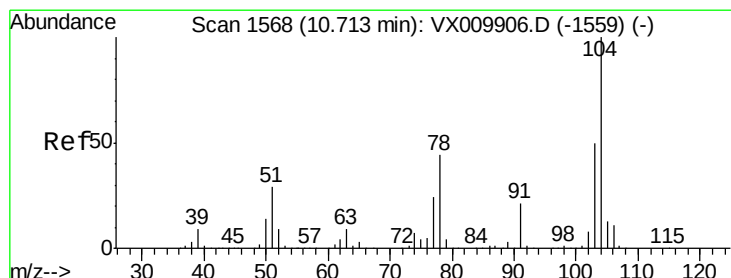
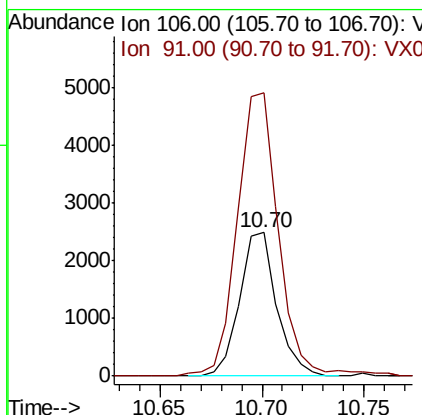
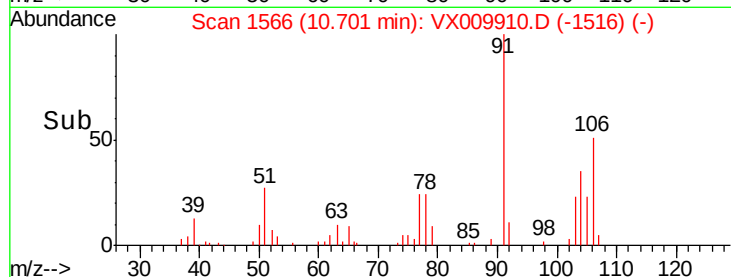
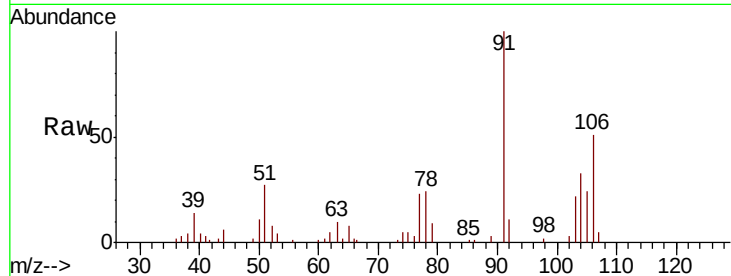




#69
o-Xylene
Concen: 0.972 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

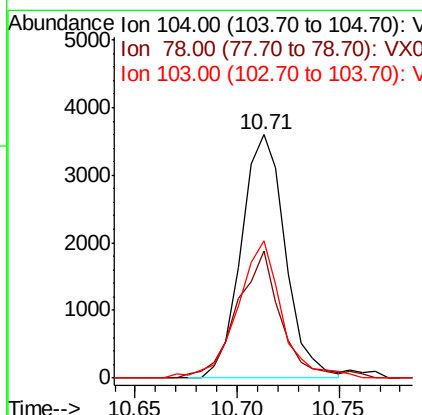
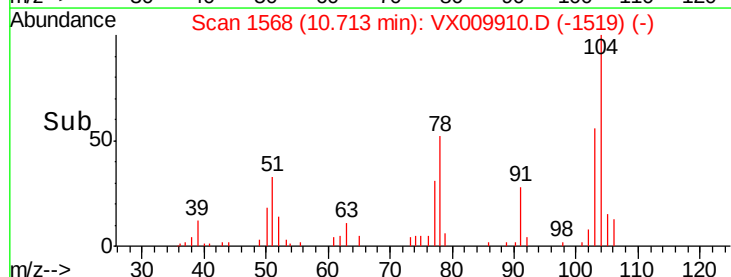
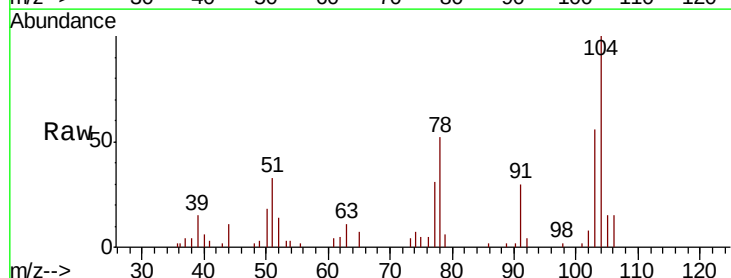
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

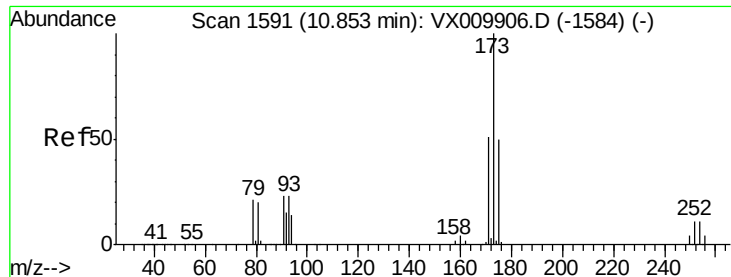
Tot Ion:106 Resp: 3150
Ion Ratio Lower Upper
106 100
91 219.6 110.4 331.2



#70
Styrene
Concen: 0.960 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion:104 Resp: 5394
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 57.1 44.1 66.1





#71

Bromoform

Concen: 0.827 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

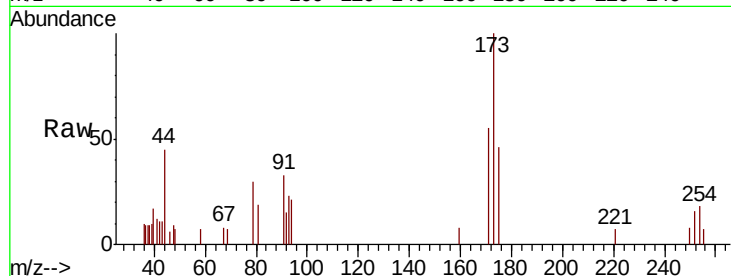
Tot Ion:173 Resp: 1189

Ion Ratio Lower Upper

173 100

175 47.0 25.0 75.0

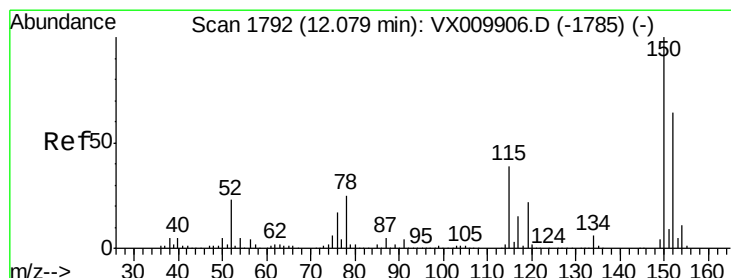
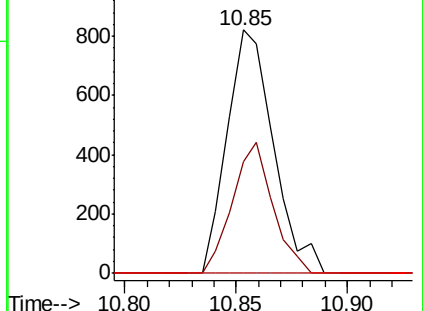
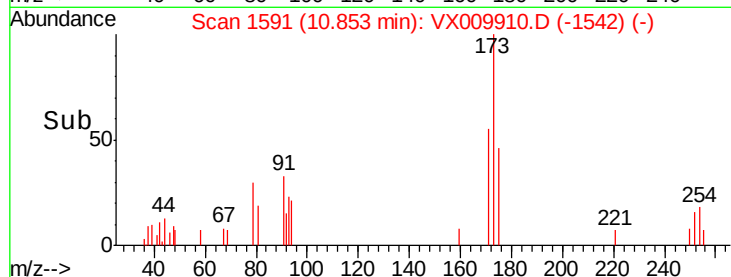
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

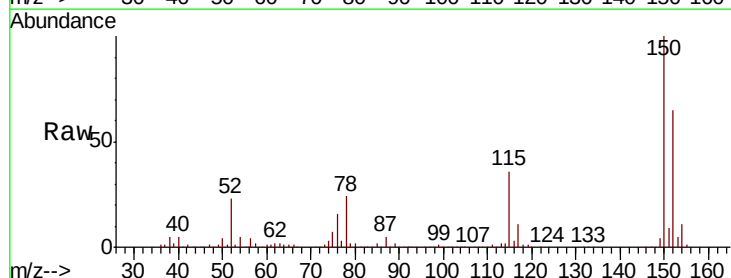
Tgt Ion:152 Resp: 109394

Ion Ratio Lower Upper

152 100

115 59.4 41.4 124.2

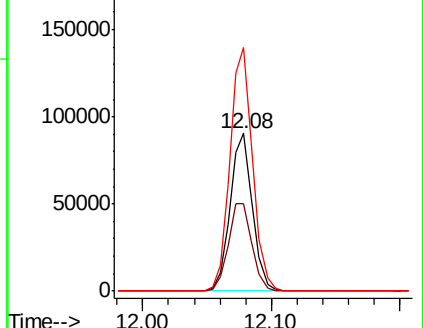
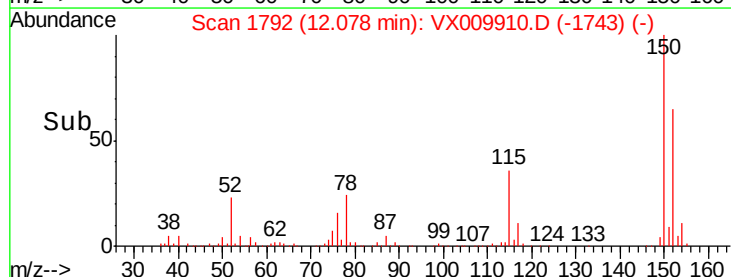
150 156.6 0.0 345.2

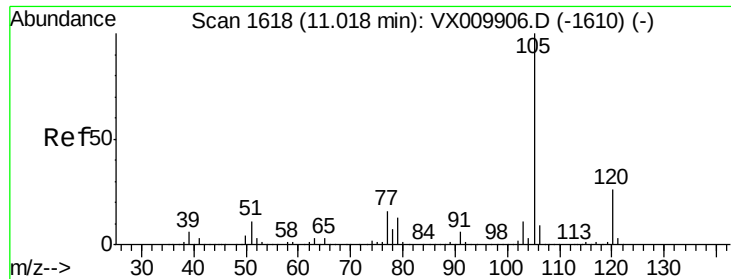


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.061 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

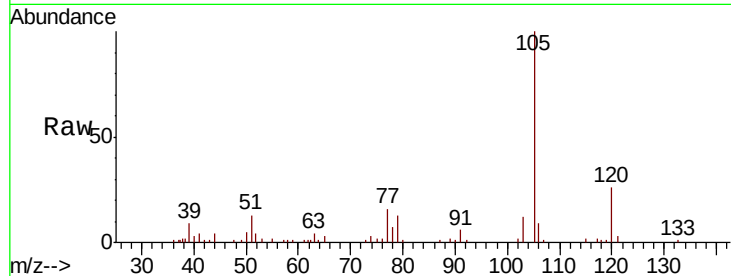
VSTDIC001

Tot Ion:105 Resp: 8495

Ion Ratio Lower Upper

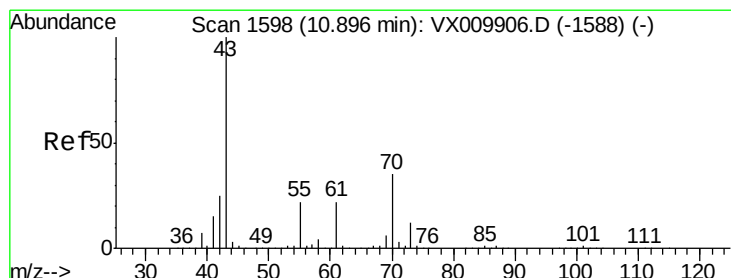
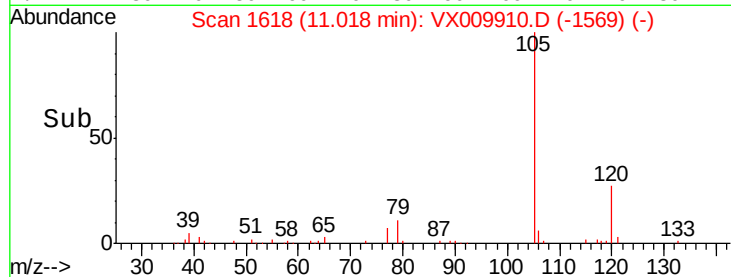
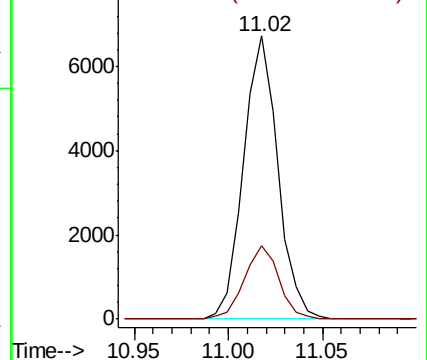
105 100

120 26.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 0.956 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Tgt Ion: 43 Resp: 4478

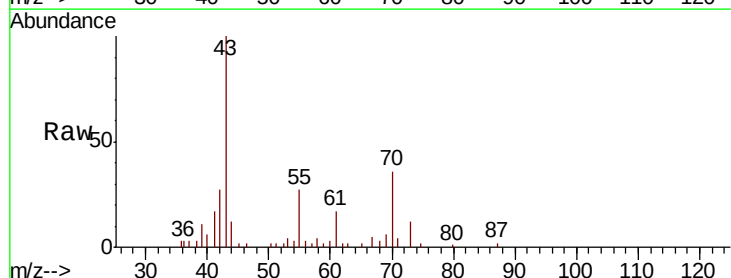
Ion Ratio Lower Upper

43 100

70 38.7 28.6 43.0

55 29.9 17.8 26.8#

61 22.6 17.7 26.5

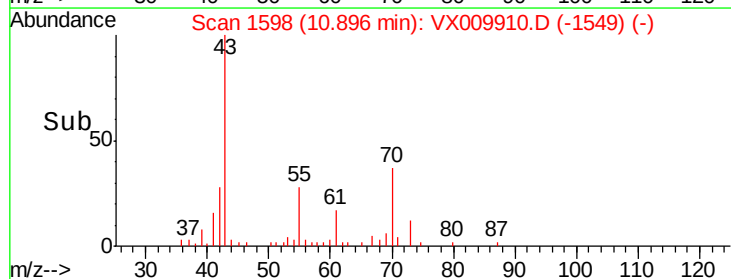
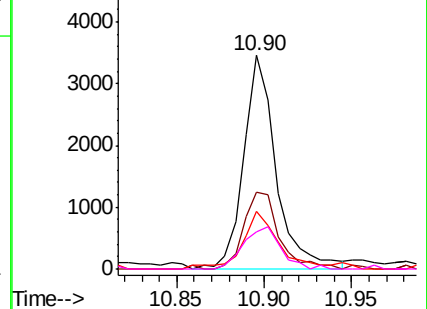


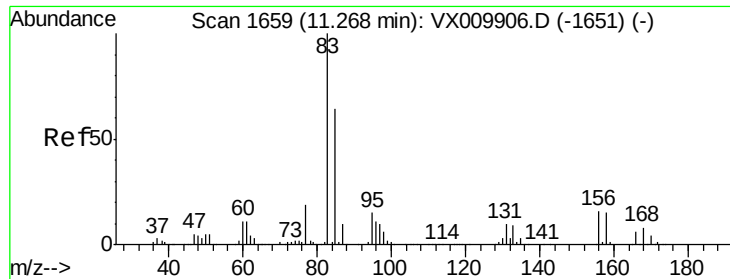
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.090 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

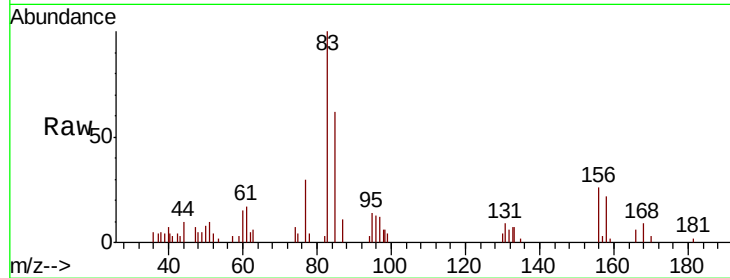
Tot Ion: 83 Resp: 3238

Ion Ratio Lower Upper

83 100

131 8.3 4.7 14.1

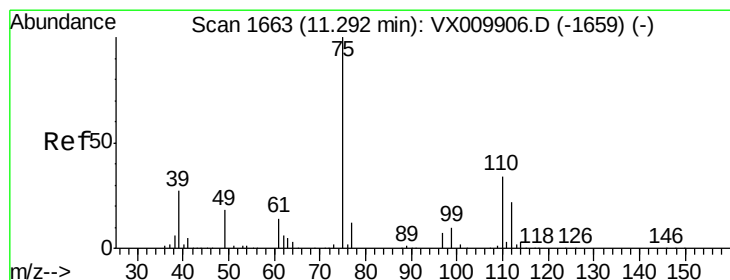
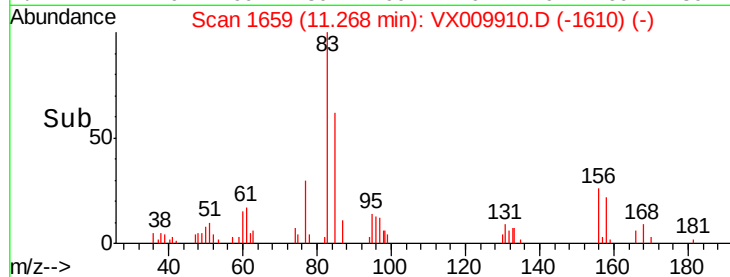
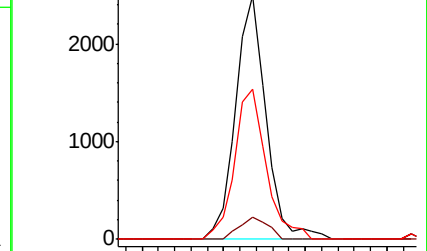
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX009910.D (-1610) (-)

Ion 130.80 (130.50 to 131.50): VX009910.D (-1610) (-)

Ion 84.90 (84.60 to 85.60): VX009910.D (-1610) (-)



#76

1,2,3-Trichloropropane

Concen: 1.539 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX009910.D

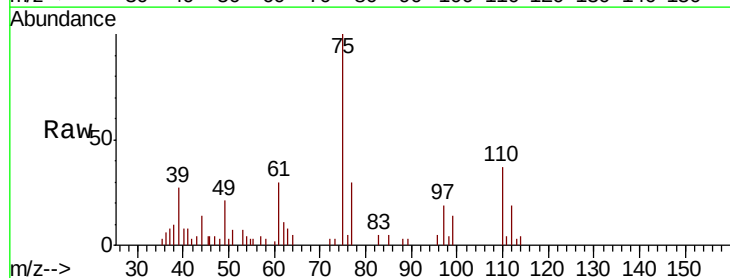
Acq: 28 May 2019 12:40

Tgt Ion: 75 Resp: 3931

Ion Ratio Lower Upper

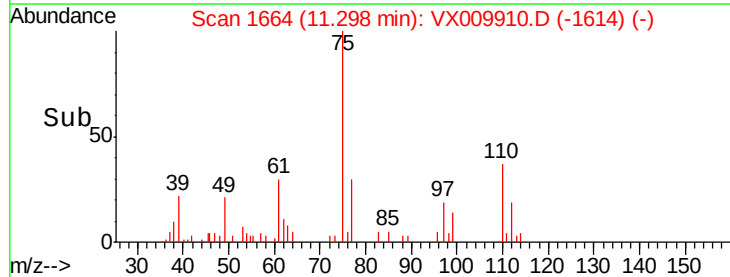
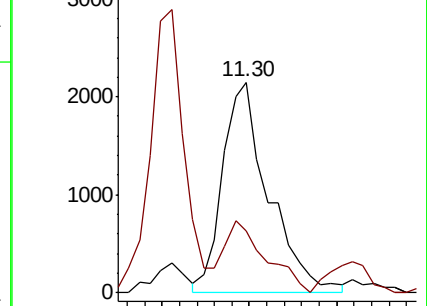
75 100

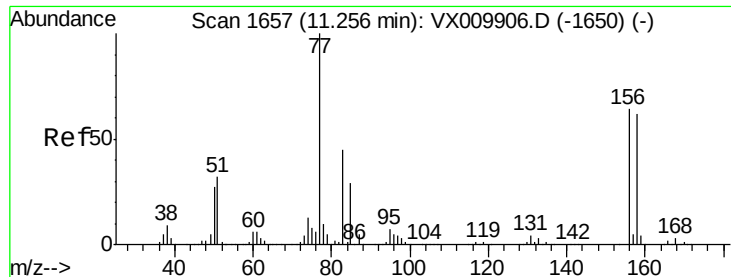
77 30.2 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX009910.D (-1614) (-)

Ion 77.00 (76.70 to 77.70): VX009910.D (-1614) (-)





#77

Bromobenzene

Concen: 1.255 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

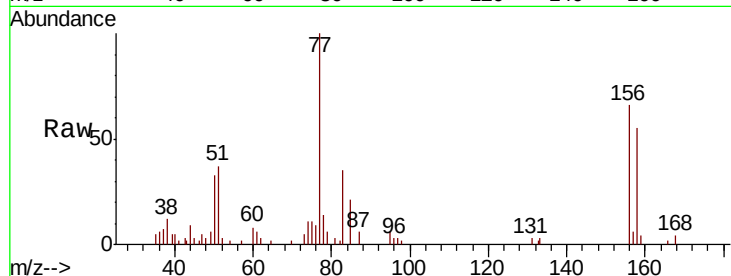
Tot Ion:156 Resp: 2491

Ion Ratio Lower Upper

156 100

77 158.3 86.8 260.3

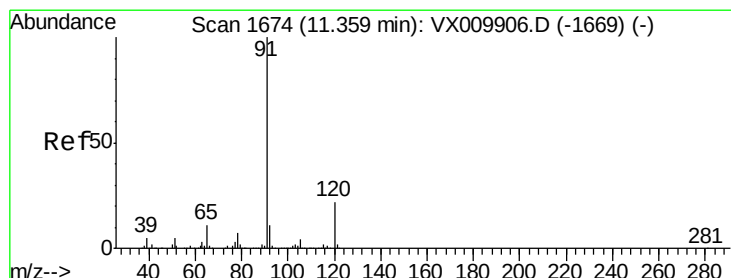
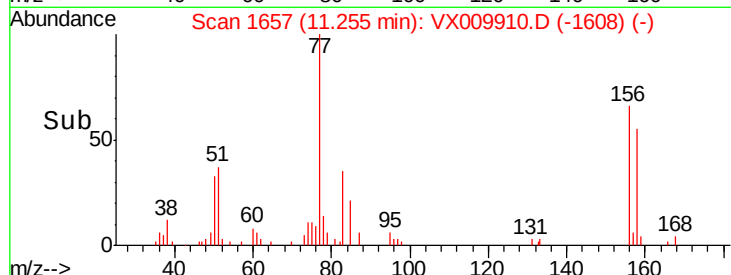
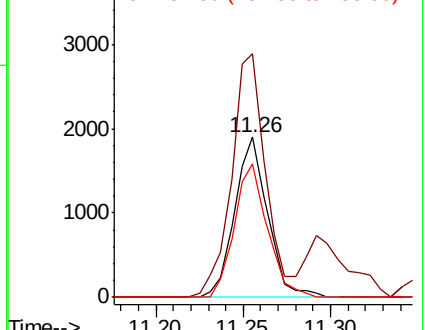
158 83.7 49.6 148.8



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: 1.029 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009910.D

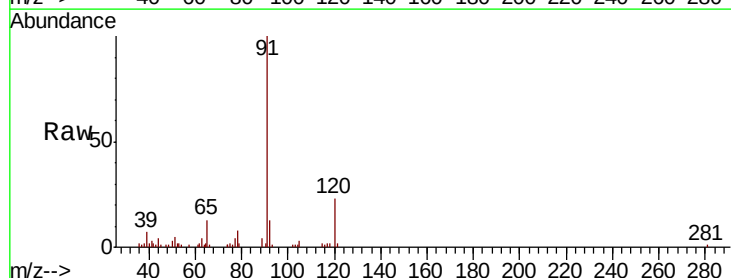
Acq: 28 May 2019 12:40

Tgt Ion: 91 Resp: 9426

Ion Ratio Lower Upper

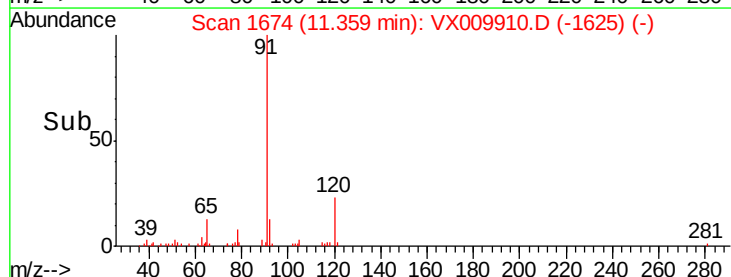
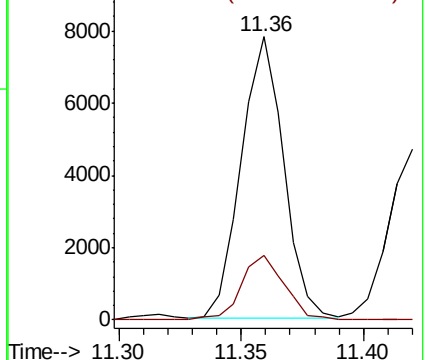
91 100

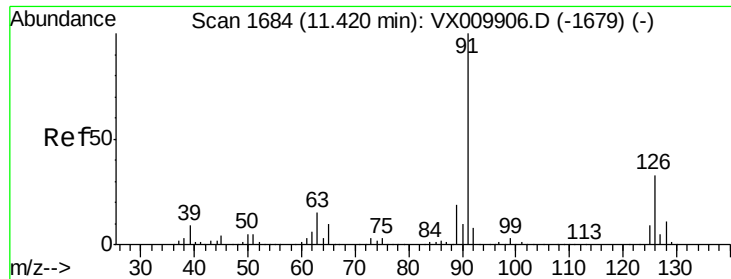
120 23.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

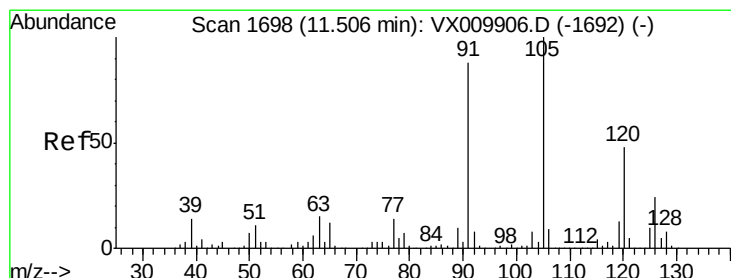
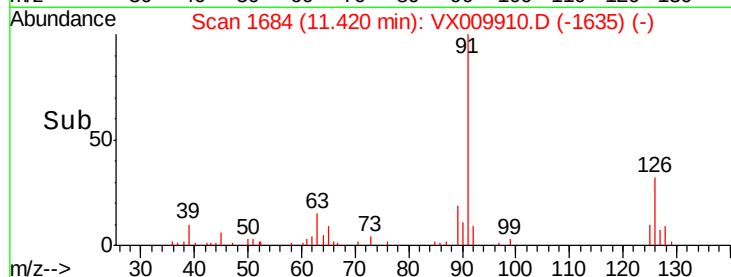
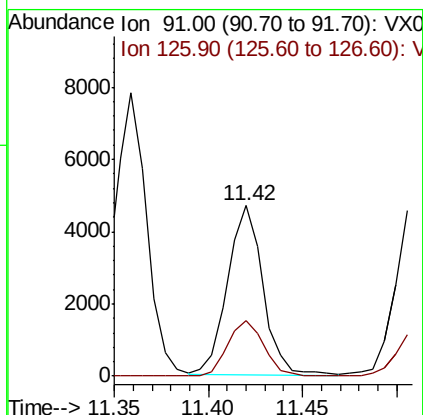
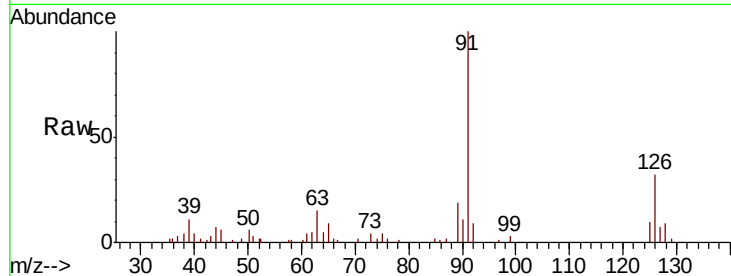




#79
 2-Chlorotoluene
 Concen: 1.084 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

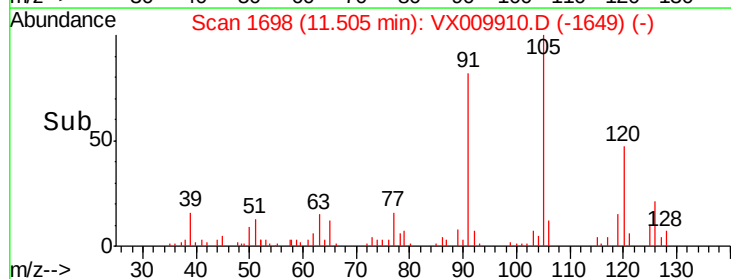
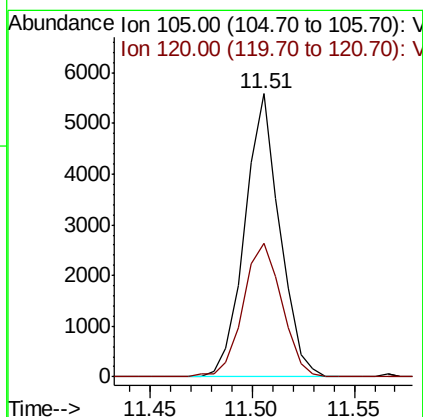
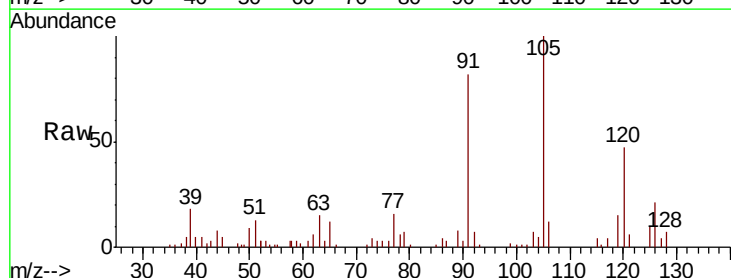
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

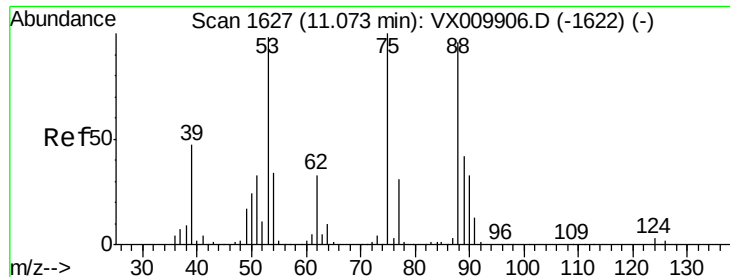
Tot Ion: 91 Resp: 6130
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 0.985 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Tgt Ion: 105 Resp: 6649
 Ion Ratio Lower Upper
 105 100
 120 52.3 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 0.939 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

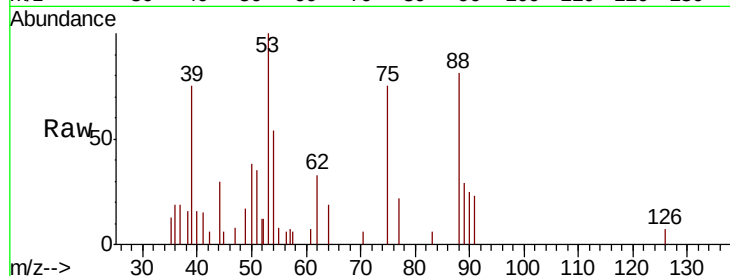
Tot Ion: 75 Resp: 942

Ion Ratio Lower Upper

75 100

53 131.2 79.8 119.6#

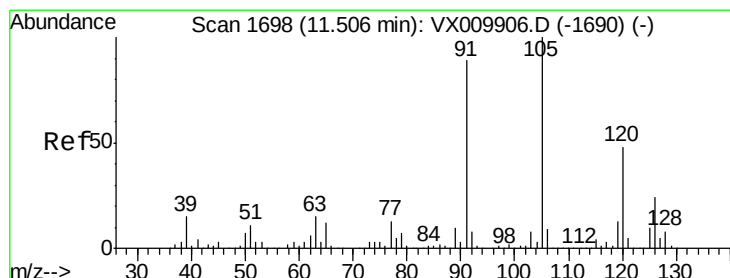
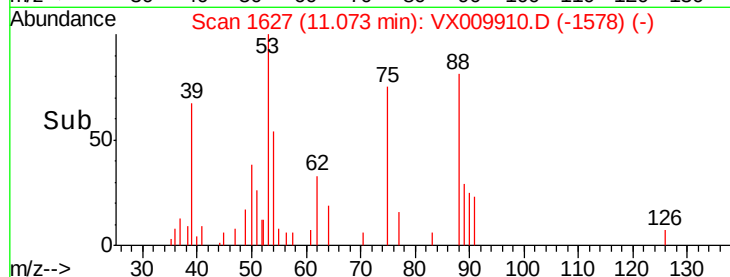
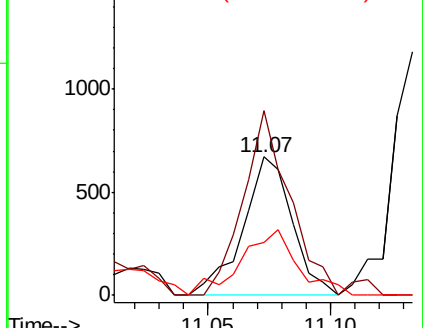
89 55.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 1.132 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009910.D

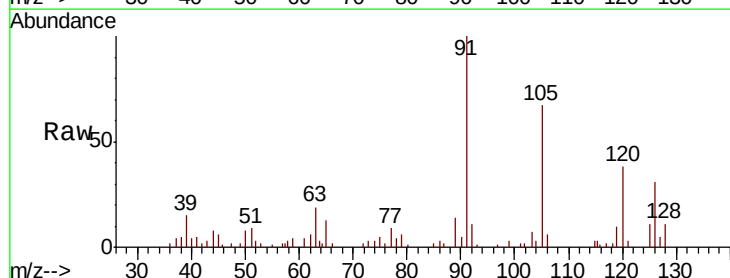
Acq: 28 May 2019 12:40

Tgt Ion: 91 Resp: 7236

Ion Ratio Lower Upper

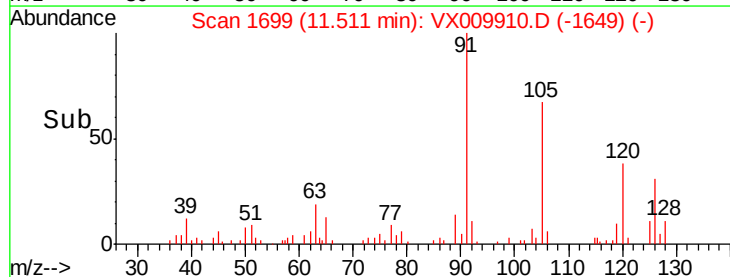
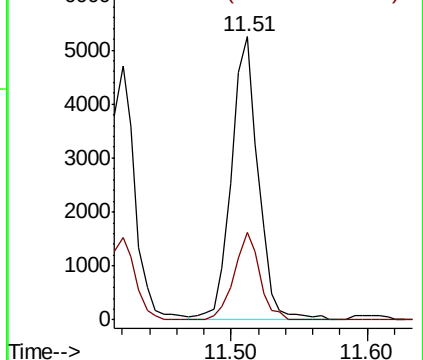
91 100

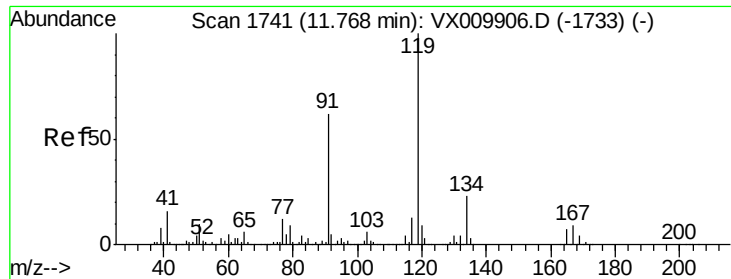
126 29.2 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.965 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

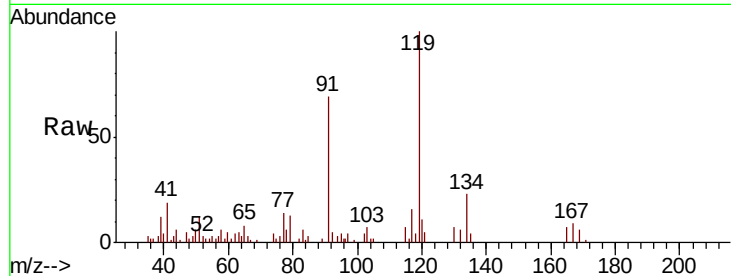
Tot Ion:119 Resp: 6324

Ion Ratio Lower Upper

119 100

91 63.2 30.0 90.0

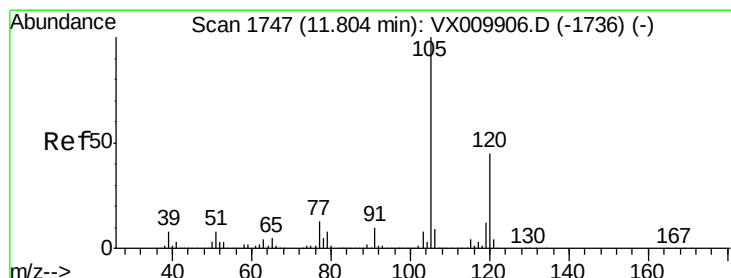
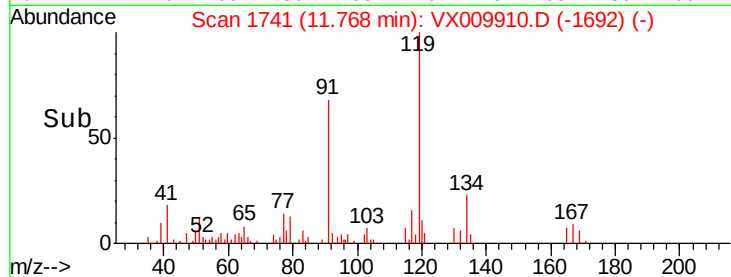
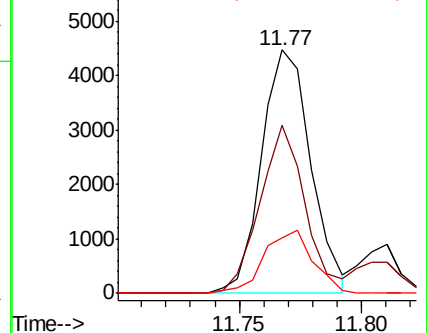
134 25.6 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.017 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009910.D

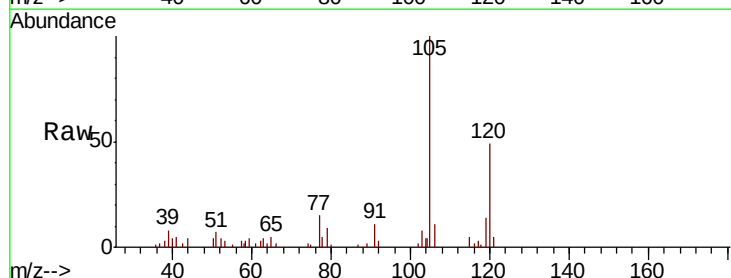
Acq: 28 May 2019 12:40

Tgt Ion:105 Resp: 6889

Ion Ratio Lower Upper

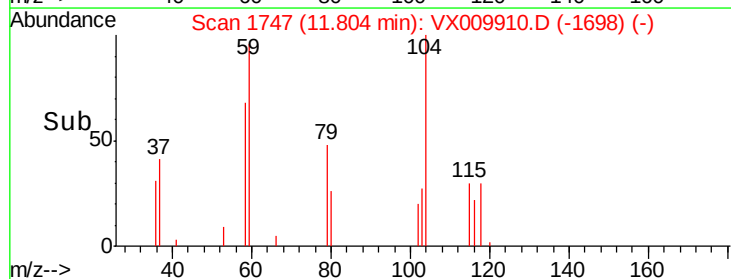
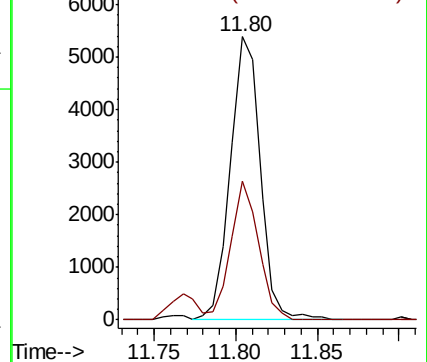
105 100

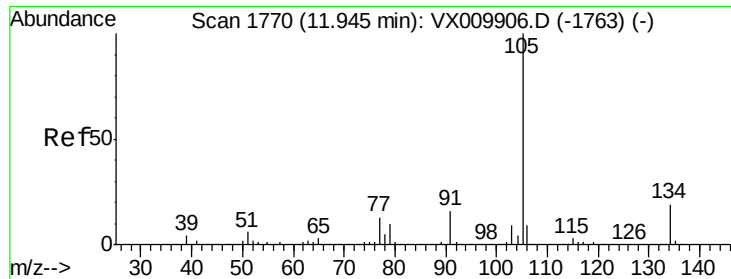
120 45.8 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.010 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

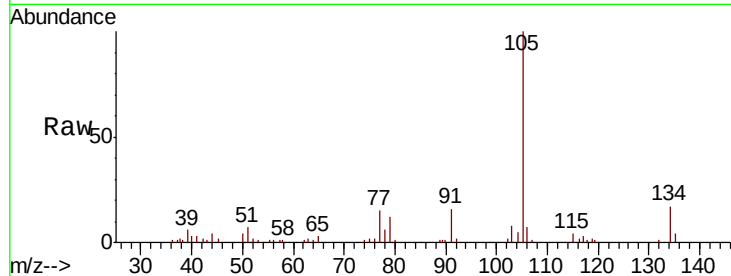
VSTDIC001

Tot Ion:105 Resp: 7846

Ion Ratio Lower Upper

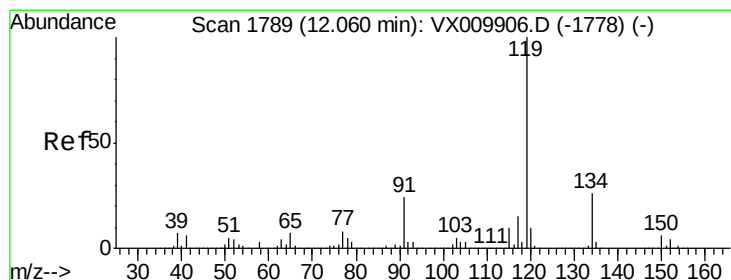
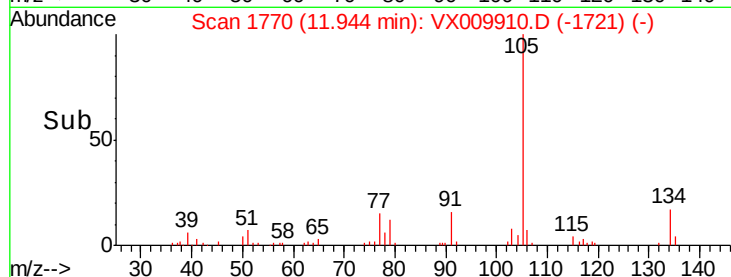
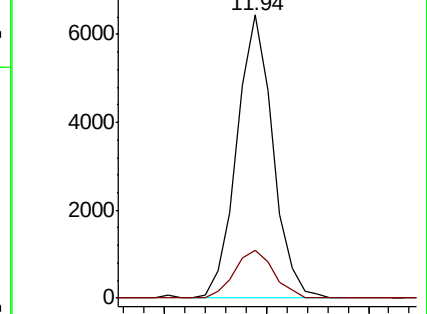
105 100

134 18.6 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.937 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

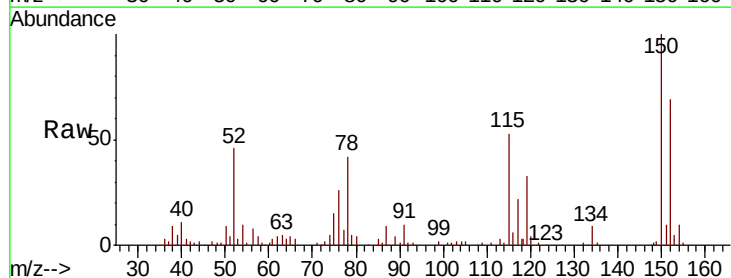
Tgt Ion:119 Resp: 6555

Ion Ratio Lower Upper

119 100

134 31.2 12.9 38.6

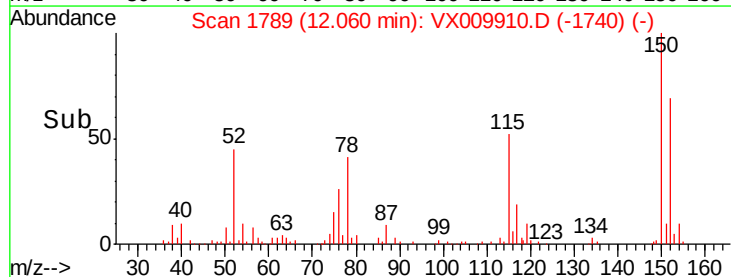
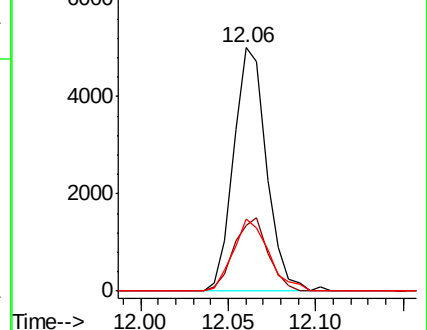
91 32.0 11.9 35.9

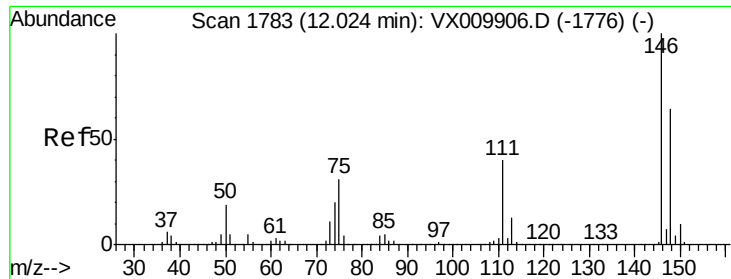


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 1.205 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

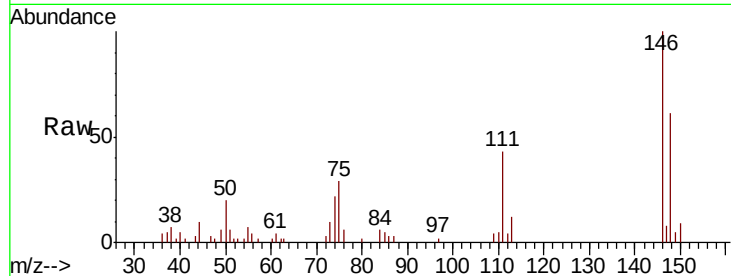
Tot Ion:146 Resp: 4261

Ion Ratio Lower Upper

146 100

111 42.2 20.1 60.2

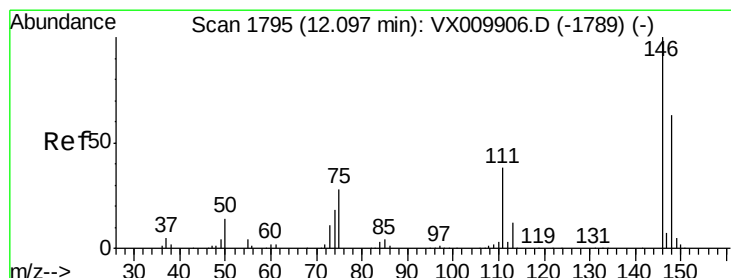
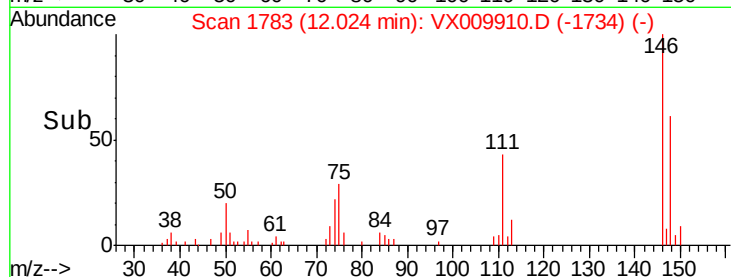
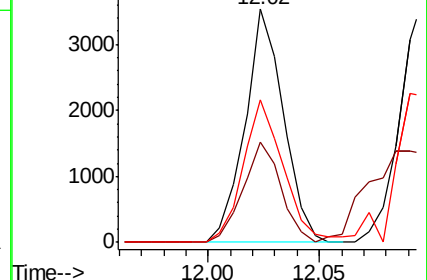
148 63.7 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.195 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.07 min

Lab File: VX009910.D

Acq: 28 May 2019 12:40

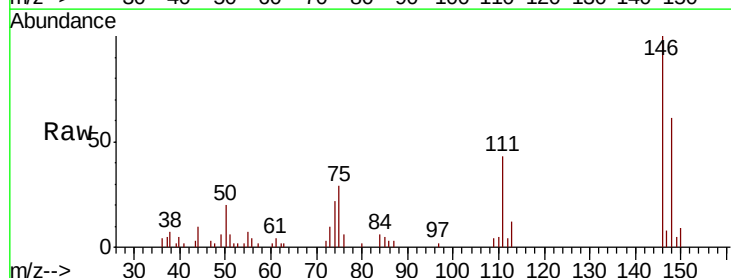
Tgt Ion:146 Resp: 4261

Ion Ratio Lower Upper

146 100

111 42.2 20.0 59.9

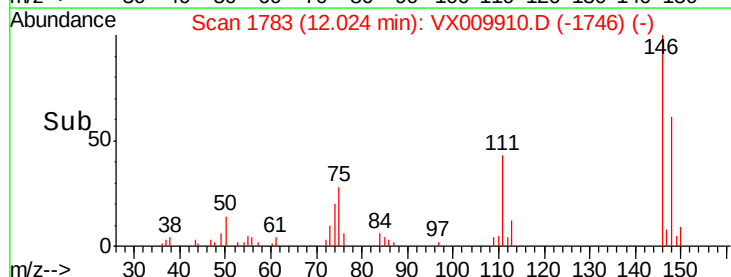
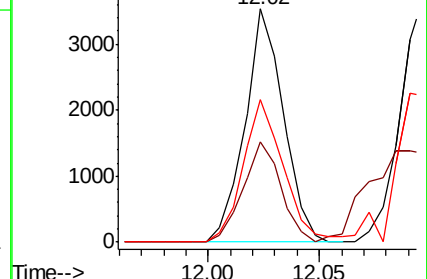
148 63.7 32.3 96.9

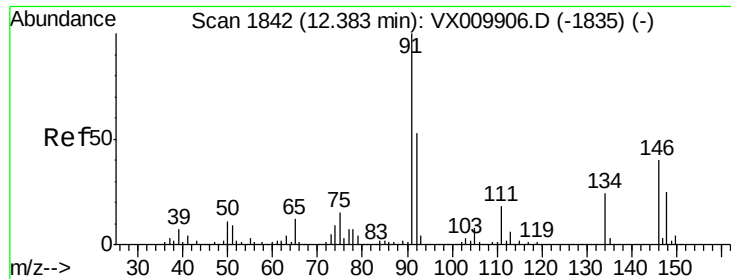


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

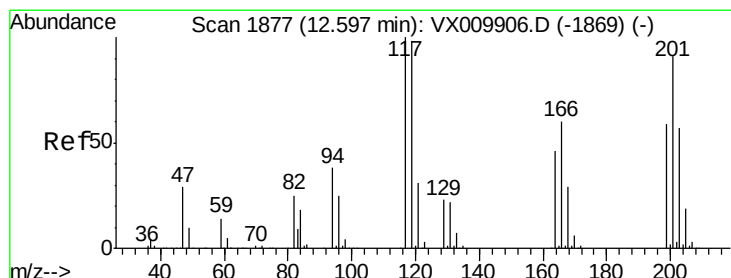
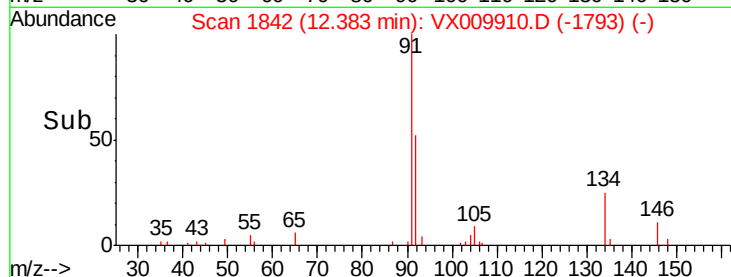
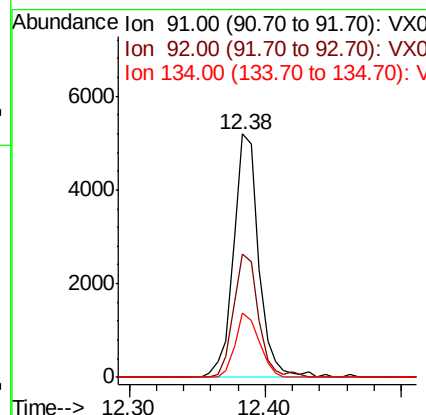
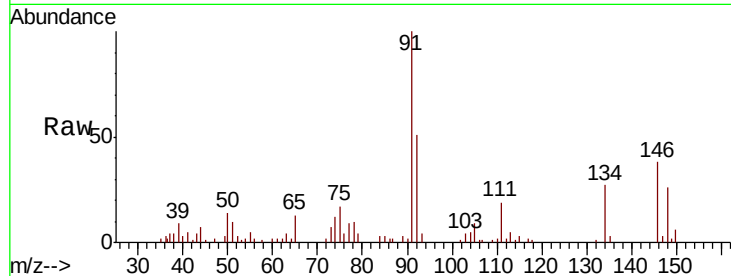




#89
n-Butylbenzene
Concen: 1.052 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

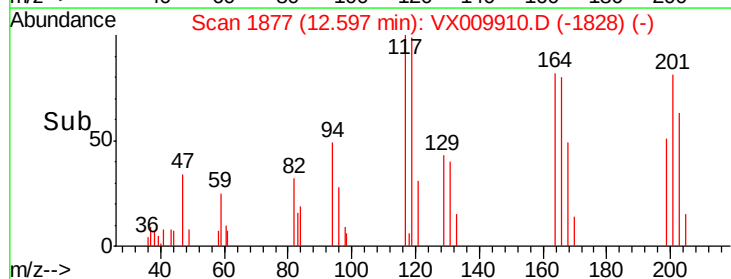
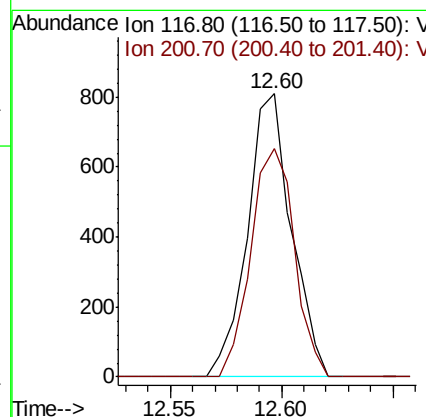
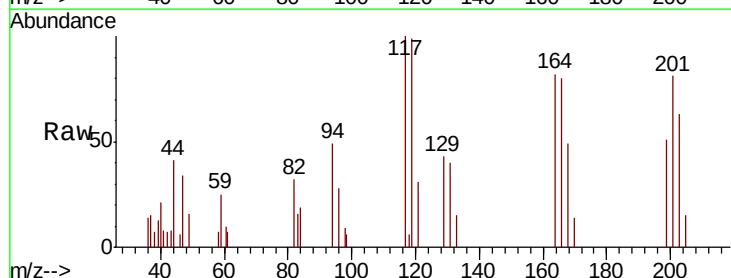
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

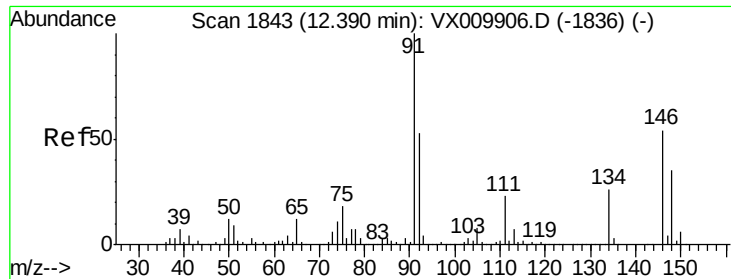
Tot Ion: 91 Resp: 6682
Ion Ratio Lower Upper
91 100
92 50.3 26.3 78.8
134 25.0 12.3 36.8



#90
Hexachloroethane
Concen: 0.939 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion: 117 Resp: 1117
Ion Ratio Lower Upper
117 100
201 79.9 43.6 130.9

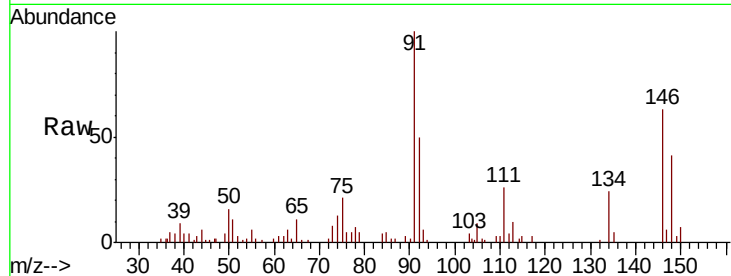




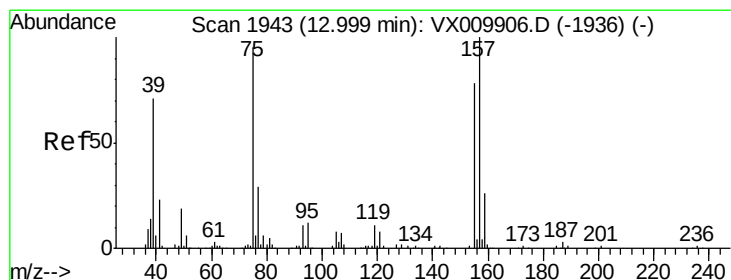
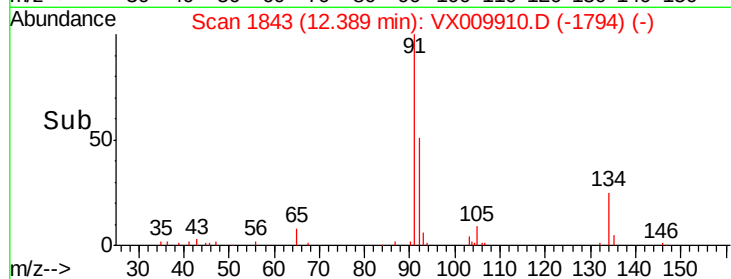
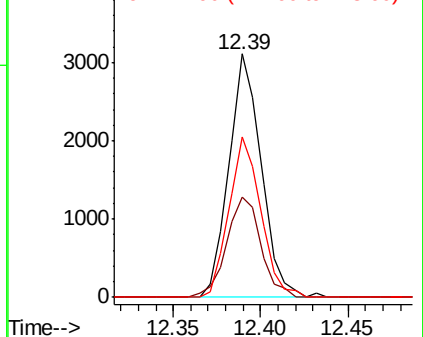
#91
 1,2-Dichlorobenzene
 Concen: 1.112 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 3991
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.1 63.1
 148 65.1 32.3 96.8

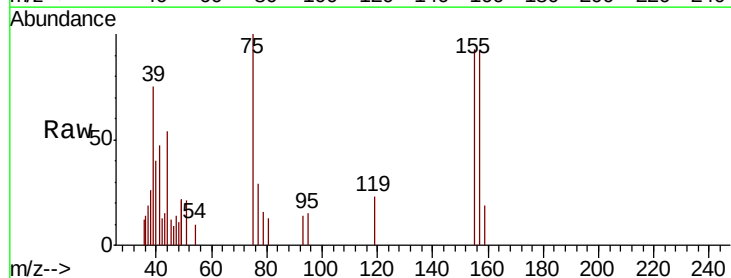


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

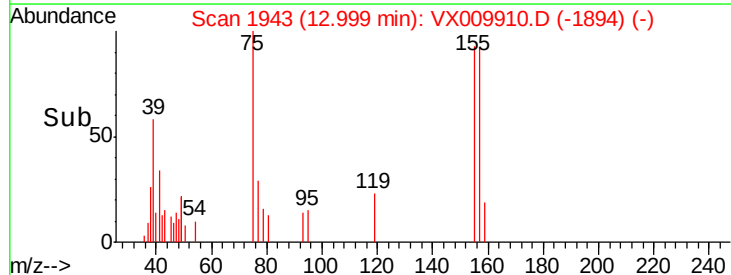
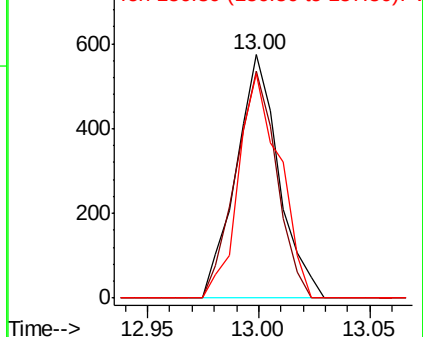


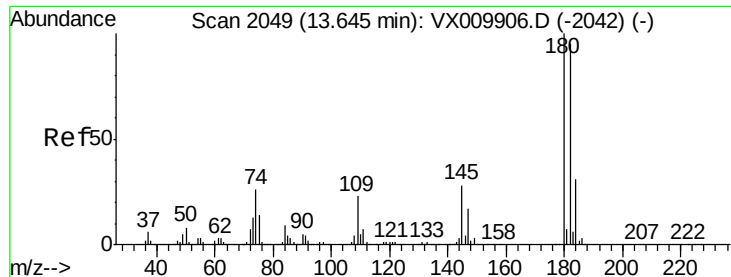
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.155 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Tgt Ion: 75 Resp: 769
 Ion Ratio Lower Upper
 75 100
 155 89.2 39.3 117.8
 157 89.2 50.6 151.8



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

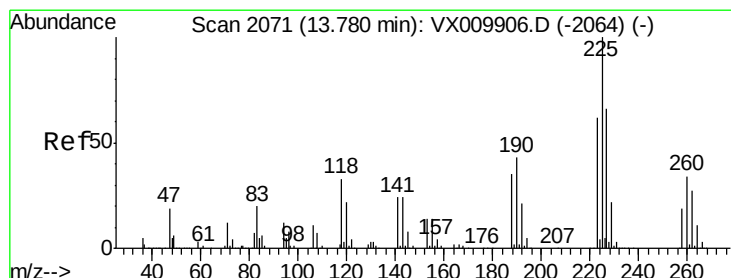
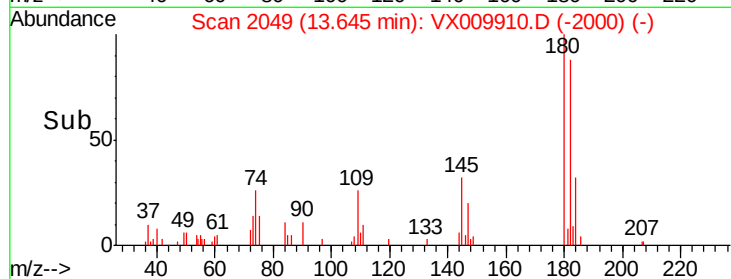
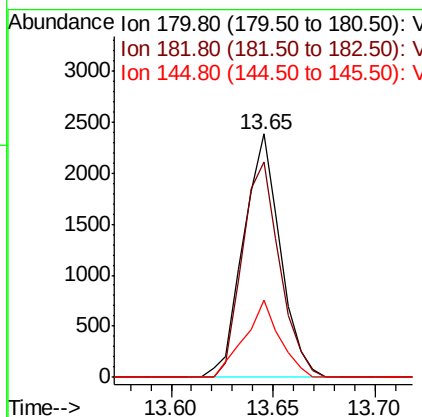
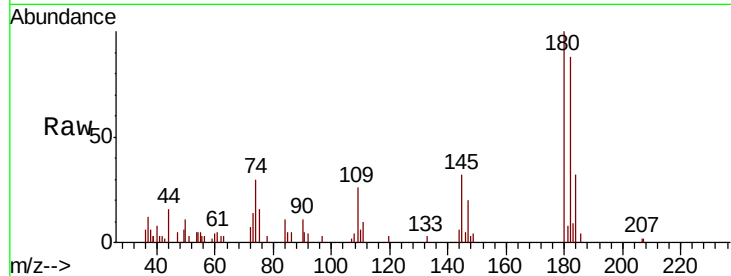




#93
 1,2,4-Trichlorobenzene
 Concen: 1.216 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

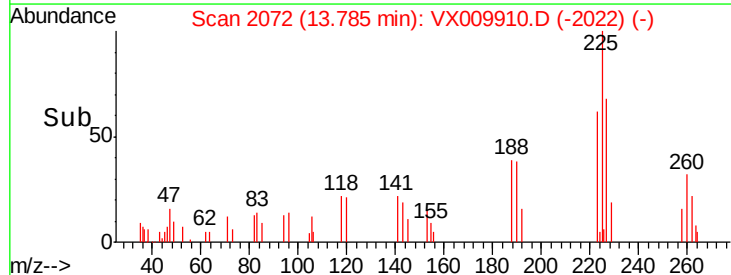
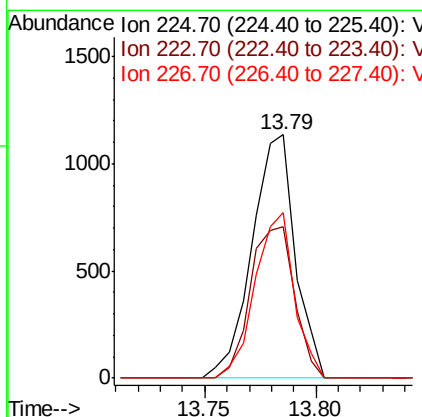
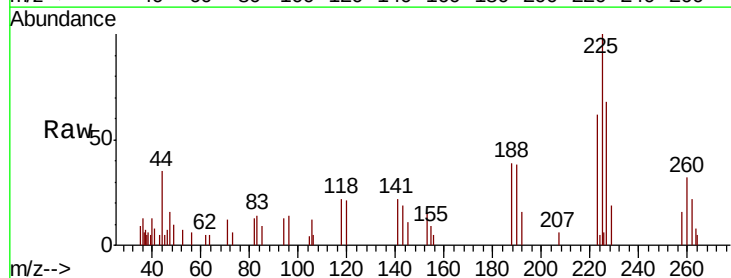
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

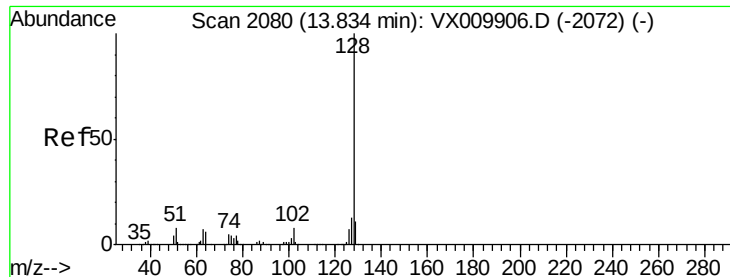
Tot Ion:180 Resp: 2994
 Ion Ratio Lower Upper
 180 100
 182 89.5 47.4 142.2
 145 30.4 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 1.217 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX009910.D
 Acq: 28 May 2019 12:40

Tgt Ion:225 Resp: 1534
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.3 93.8
 227 61.6 32.3 96.8

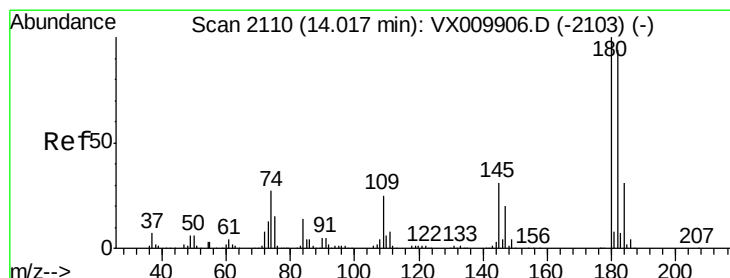
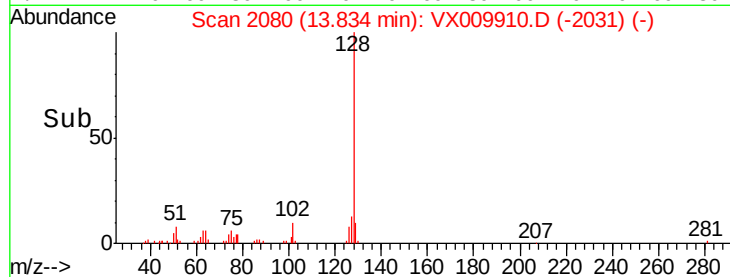
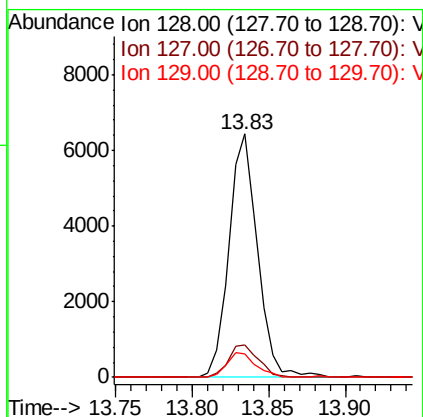
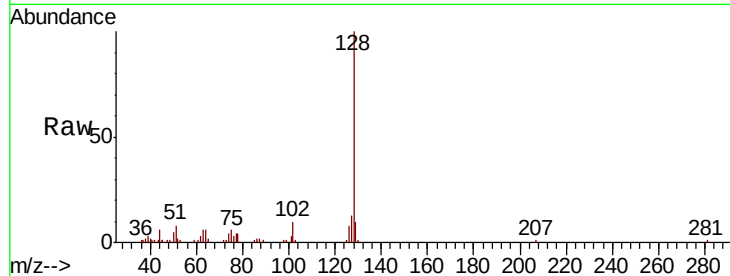




#95
Naphthalene
Concen: 1.044 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:128 Resp: 8300
Ion Ratio Lower Upper
128 100
127 14.1 10.6 16.0
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.210 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009910.D
Acq: 28 May 2019 12:40

Tgt Ion:180 Resp: 3012
Ion Ratio Lower Upper
180 100
182 90.2 47.3 142.0
145 30.8 15.6 46.7

