

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
 Data File : VX011259.D
 Acq On : 01 Aug 2019 14:58
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 02 01:26:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:21:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269060	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	2208	1.13	ug/l	0.00
Spiked Amount			Recovery	=	2.26%	
35) Dibromofluoromethane	5.49	113	2207	1.29	ug/l	0.00
Spiked Amount			Recovery	=	2.58%	
50) Toluene-d8	8.71	98	7474	1.17	ug/l	0.00
Spiked Amount			Recovery	=	2.34%	
62) 4-Bromofluorobenzene	11.13	95	2554	1.09	ug/l	0.00
Spiked Amount			Recovery	=	2.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1689	1.025	ug/l	92
3) Chloromethane	1.32	50	1887	1.116	ug/l	100
4) Vinyl Chloride	1.40	62	1940	1.113	ug/l	94
5) Bromomethane	1.64	94	1629	1.553	ug/l	85
6) Chloroethane	1.72	64	1681	1.494	ug/l #	81
7) Trichlorofluoromethane	1.93	101	3121	1.040	ug/l	96
8) Diethyl Ether	2.18	74	1324	1.277	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1788	1.053	ug/l	96
10) Methyl Iodide	2.51	142	1883	0.848	ug/l #	91
11) Tert butyl alcohol	3.03	59	3931	8.678	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	1953	1.176	ug/l	96
13) Acrolein	2.28	56	1776	6.793	ug/l	94
14) Allyl chloride	2.71	41	2118	0.879	ug/l	89
15) Acrylonitrile	3.14	53	4272	4.563	ug/l	92
16) Acetone	2.43	43	5202	5.804	ug/l	98
17) Carbon Disulfide	2.56	76	4045	0.957	ug/l #	81
18) Methyl Acetate	2.76	43	2281	1.105	ug/l #	86
19) Methyl tert-butyl Ether	3.18	73	5010	0.938	ug/l #	91
20) Methylene Chloride	2.85	84	2426	1.271	ug/l #	95
21) trans-1,2-Dichloroethene	3.15	96	1917	1.079	ug/l	89
22) Diisopropyl ether	3.85	45	5198	1.021	ug/l #	93
23) Vinyl Acetate	3.81	43	17493	4.053	ug/l	98
24) 1,1-Dichloroethane	3.68	63	3121	1.051	ug/l #	88
25) 2-Butanone	4.67	43	6227	4.827	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	2271	1.107	ug/l	98
28) Bromochloromethane	5.01	49	1652	1.194	ug/l #	63
29) Tetrahydrofuran	5.13	42	3879	4.755	ug/l	98
30) Chloroform	5.20	83	3528	1.098	ug/l	97
31) Cyclohexane	5.57	56	2668	1.002	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	2870	1.036	ug/l #	48
36) 1,1-Dichloropropene	5.79	75	2629	1.176	ug/l	95
37) Ethyl Acetate	4.84	43	2677	1.181	ug/l	97
38) Carbon Tetrachloride	5.76	117	2390	1.028	ug/l #	78
39) Methylcyclohexane	7.46	83	3082	1.080	ug/l #	75

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 02 01:26:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:21:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.13	78	7089	1.036	ug/l	95
41) Methacrylonitrile	5.04	41	839	0.645	ug/l #	23
42) 1,2-Dichloroethane	6.18	62	2508	1.059	ug/l	94
43) Isopropyl Acetate	6.43	43	4026	1.077	ug/l	97
44) Trichloroethene	7.21	130	2281	1.124	ug/l	95
45) 1,2-Dichloropropane	7.51	63	2045	1.174	ug/l	99
46) Dibromomethane	7.65	93	1422	1.143	ug/l	92
47) Bromodichloromethane	7.88	83	2176	0.986	ug/l #	80
48) Methyl methacrylate	7.76	41	1601	0.881	ug/l	92
49) 1,4-Dioxane	7.74	88	1201	23.492	ug/l #	69
51) 4-Methyl-2-Pentanone	8.63	43	10954	4.507	ug/l	98
52) Toluene	8.78	92	4554	1.012	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	1690	0.714	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	2167	0.821	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	1881	1.015	ug/l #	85
56) Ethyl methacrylate	9.17	69	2340	0.870	ug/l #	72
57) 1,3-Dichloropropane	9.37	76	3001	1.024	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.31	63	5890	4.568	ug/l	96
59) 2-Hexanone	9.49	43	8069	4.281	ug/l	94
60) Dibromochloromethane	9.58	129	1691	0.904	ug/l	87
61) 1,2-Dibromoethane	9.67	107	1967	1.000	ug/l	93
64) Tetrachloroethene	9.33	164	2333	1.213	ug/l	90
65) Chlorobenzene	10.13	112	5543	1.107	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	1586	0.904	ug/l #	64
67) Ethyl Benzene	10.25	91	8561	1.008	ug/l	93
68) m/p-Xylenes	10.35	106	6370	1.944	ug/l	100
69) o-Xylene	10.69	106	3345	1.050	ug/l	93
70) Stvrene	10.71	104	4785	0.899	ug/l	97
71) Bromoform	10.85	173	1014	0.725	ug/l #	92
73) Isopropylbenzene	11.02	105	7814	0.962	ug/l	96
74) N-amyl acetate	10.90	43	2578	0.835	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.26	83	2800	1.052	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	2273	1.048	ug/l	91
77) Bromobenzene	11.25	156	2376	1.059	ug/l	95
78) n-propylbenzene	11.36	91	8402	0.937	ug/l	98
79) 2-Chlorotoluene	11.41	91	5586	1.039	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	6548	0.968	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	532	0.680	ug/l #	46
82) 4-Chlorotoluene	11.51	91	6297	1.005	ug/l	94
83) tert-Butylbenzene	11.77	119	6247	0.938	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	6188	0.905	ug/l	99
85) sec-Butylbenzene	11.94	105	7712	0.986	ug/l	99
86) p-Isopropyltoluene	12.06	119	6820	0.943	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	3979	1.019	ug/l	93
88) 1,4-Dichlorobenzene	12.02	146	3979	0.995	ug/l	91
89) n-Butylbenzene	12.38	91	5849	0.945	ug/l	99
90) Hexachloroethane	12.59	117	884	0.778	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	4214	1.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	501	0.909	ug/l	76
93) 1,2,4-Trichlorobenzene	13.65	180	2446	0.935	ug/l	96

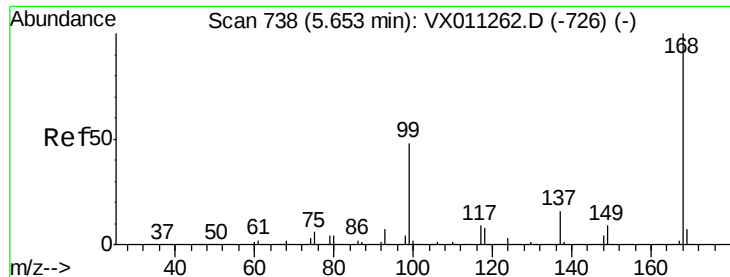
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080119\
Data File : VX011259.D
Acq On : 01 Aug 2019 14:58
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Aug 02 01:26:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:21:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	1307	1.004	ug/l	96
95) Naphthalene	13.83	128	6415	0.829	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	2627	1.007	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

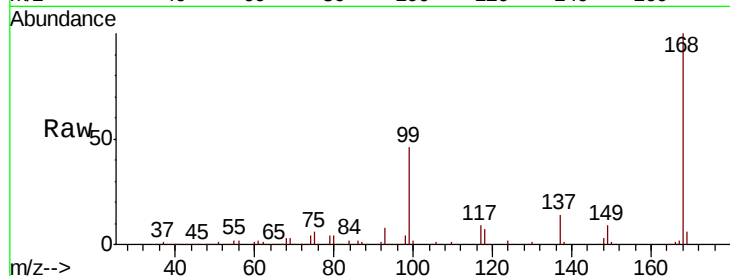
VSTDIC001

Tot Ion:168 Resp: 186407

Ion Ratio Lower Upper

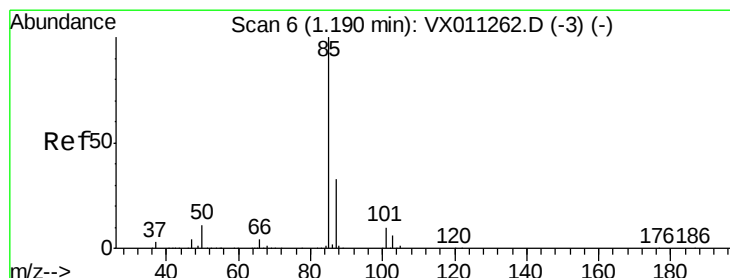
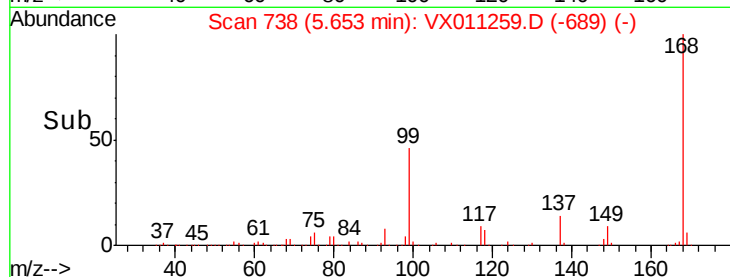
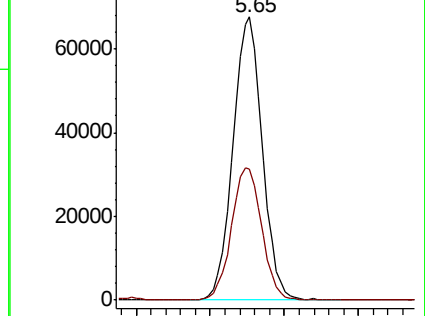
168 100

99 46.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.025 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011259.D

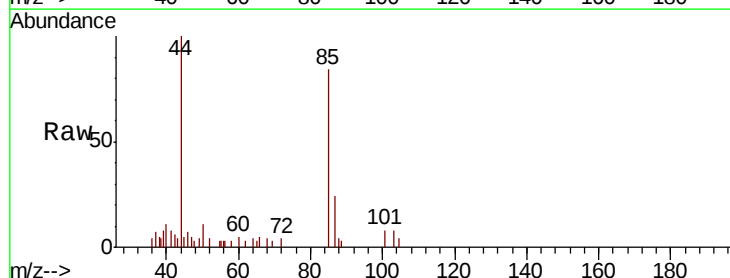
Acq: 01 Aug 2019 14:58

Tgt Ion: 85 Resp: 1689

Ion Ratio Lower Upper

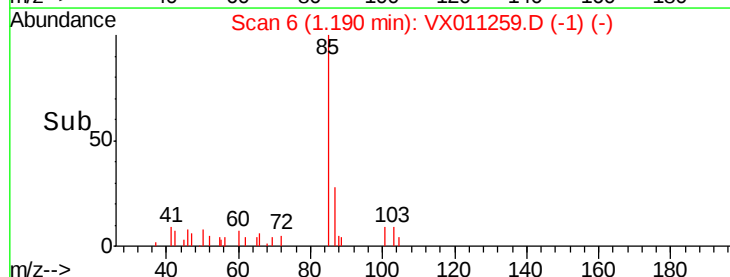
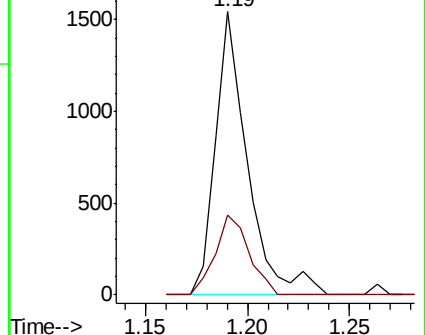
85 100

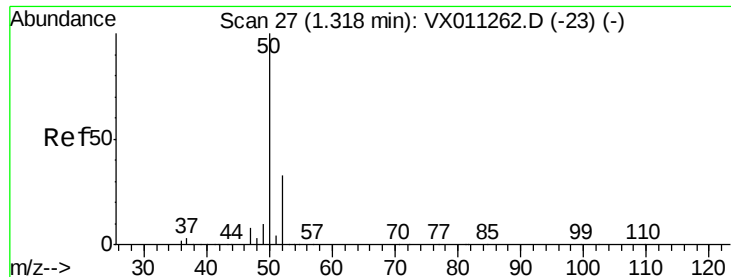
87 28.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.116 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

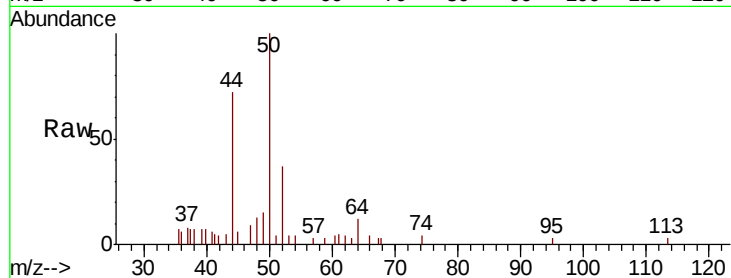
VSTDIC001

Tot Ion: 50 Resp: 1887

Ion Ratio Lower Upper

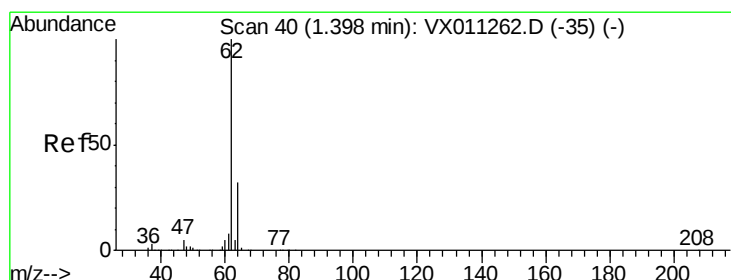
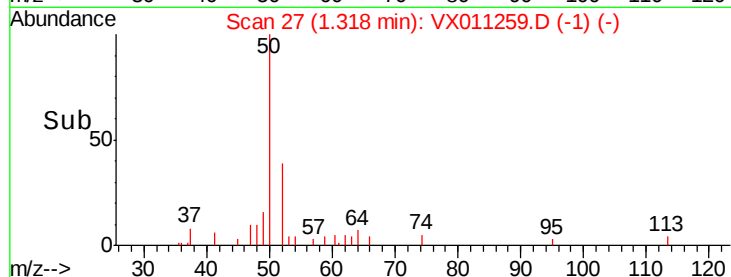
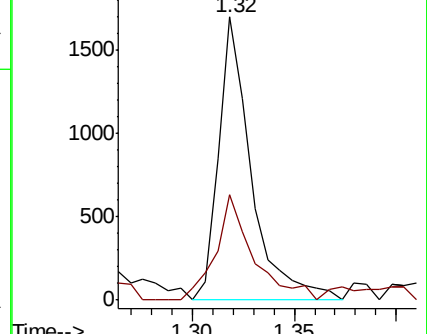
50 100

52 33.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.113 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011259.D

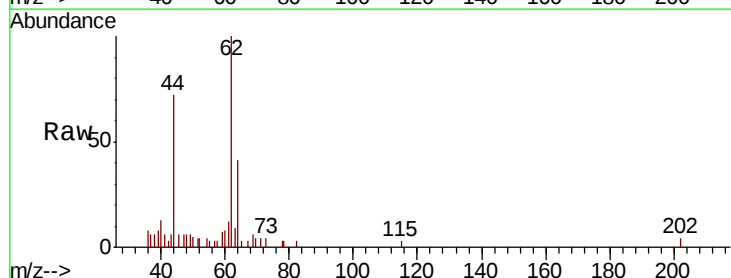
Acq: 01 Aug 2019 14:58

Tgt Ion: 62 Resp: 1940

Ion Ratio Lower Upper

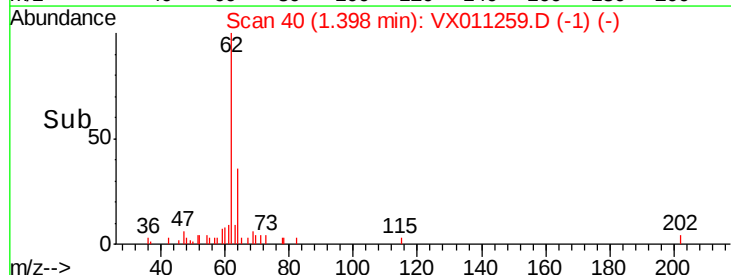
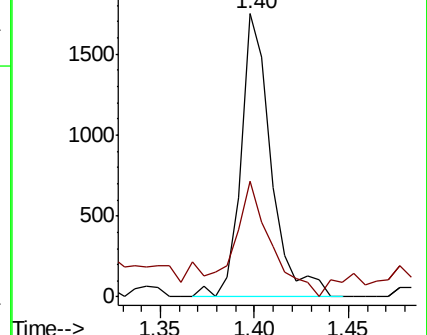
62 100

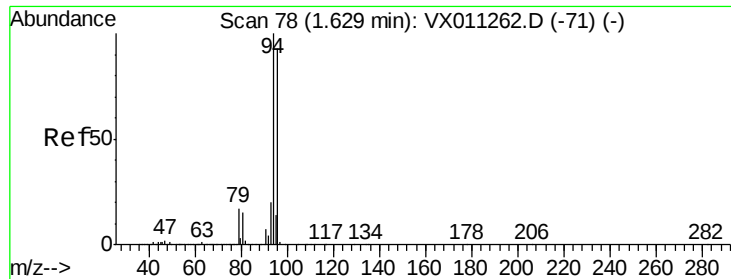
64 35.6 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.553 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

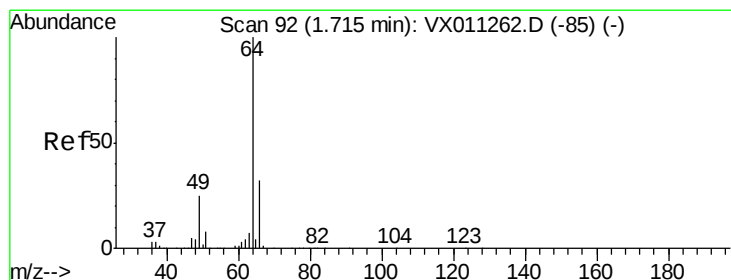
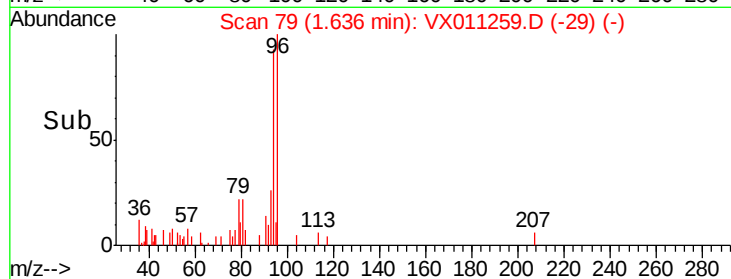
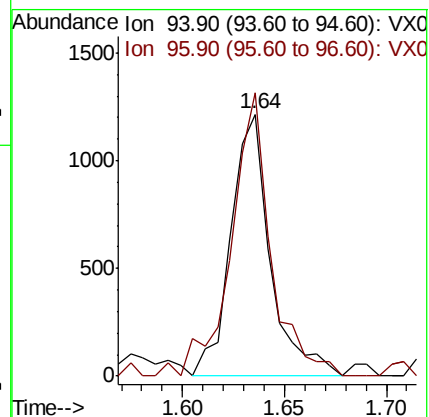
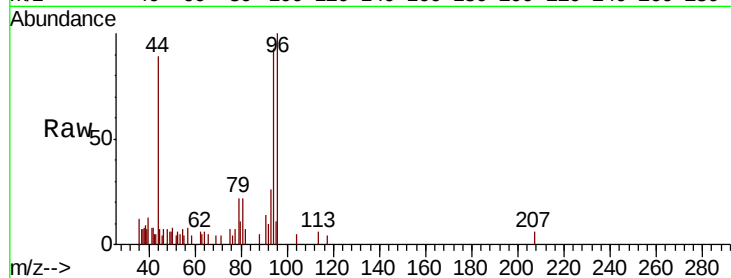
VSTDIC001

Tot Ion: 94 Resp: 1629

Ion Ratio Lower Upper

94 100

96 108.0 74.6 112.0



#6

Chloroethane

Concen: 1.494 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011259.D

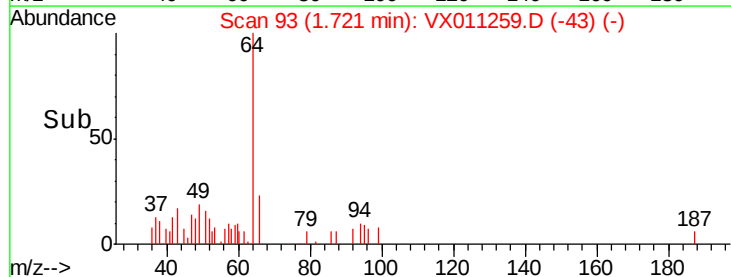
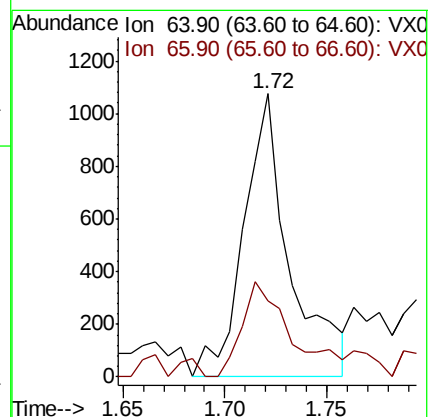
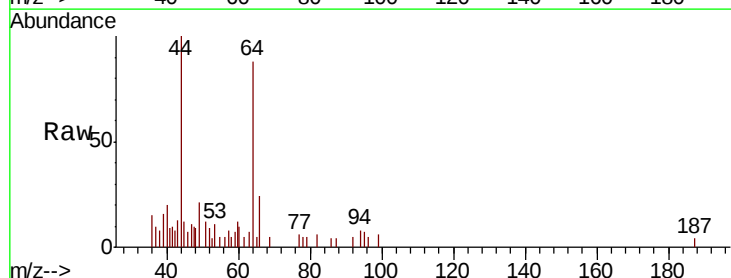
Acq: 01 Aug 2019 14:58

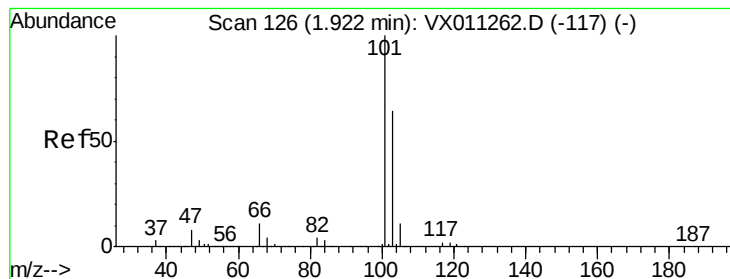
Tgt Ion: 64 Resp: 1681

Ion Ratio Lower Upper

64 100

66 20.7 25.1 37.7#



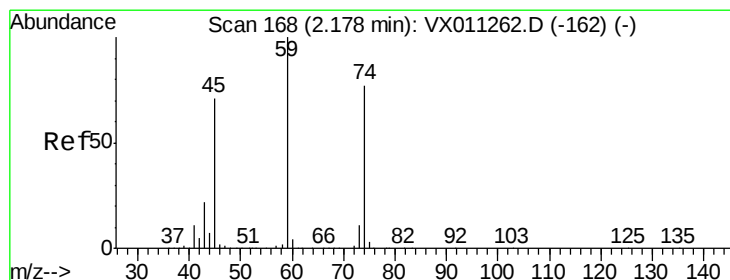
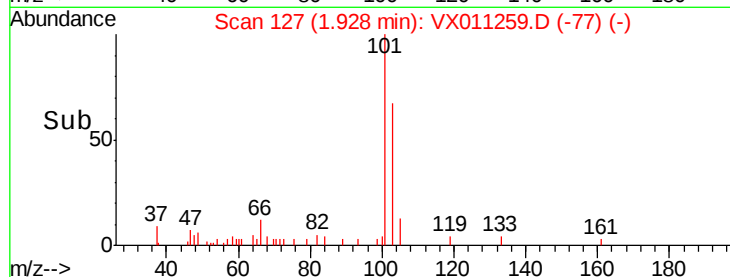
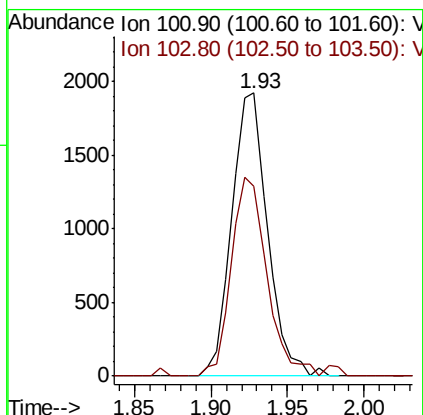
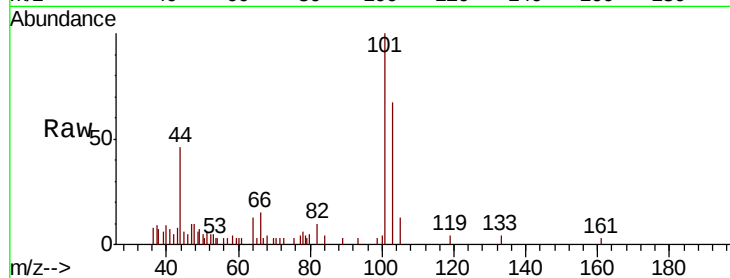


#7

Trichlorofluoromethane
 Concen: 1.040 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

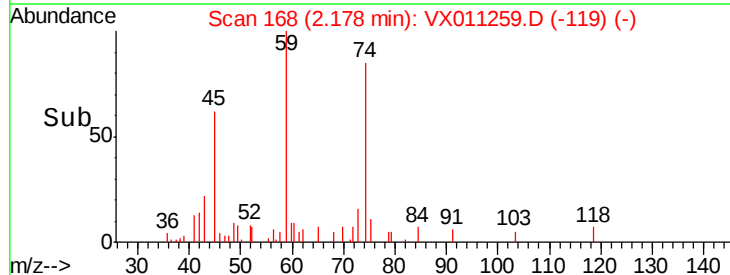
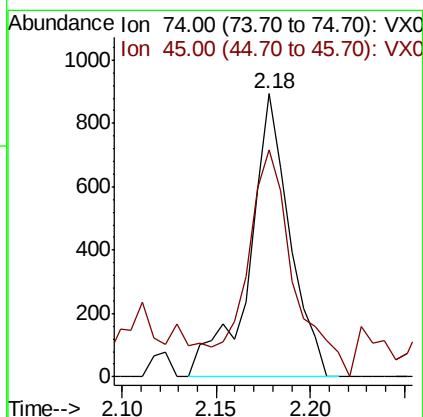
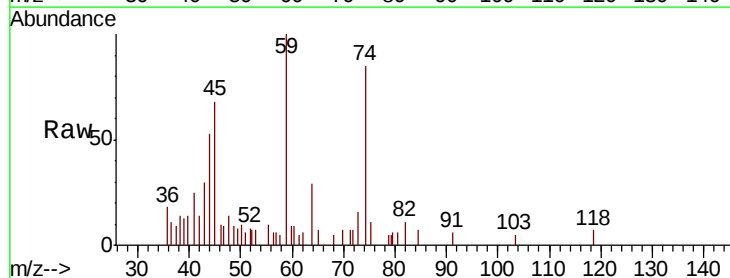
Tot Ion: 101 Resp: 3121
 Ion Ratio Lower Upper
 101 100
 103 67.1 50.9 76.3

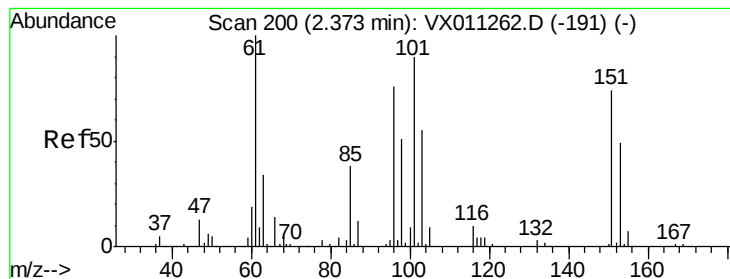


#8

Diethyl Ether
 Concen: 1.277 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

Tgt Ion: 74 Resp: 1324
 Ion Ratio Lower Upper
 74 100
 45 92.2 46.1 138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.053 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

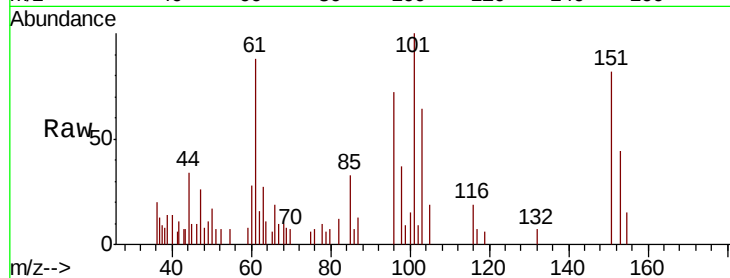
Tot Ion:101 Resp: 1788

Ion Ratio Lower Upper

101 100

85 49.0 33.8 50.6

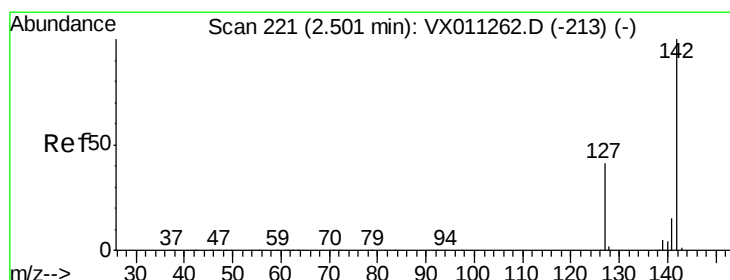
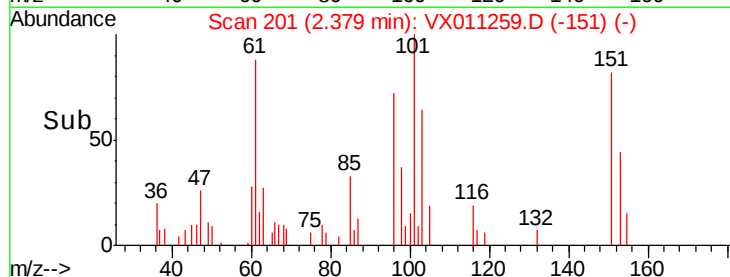
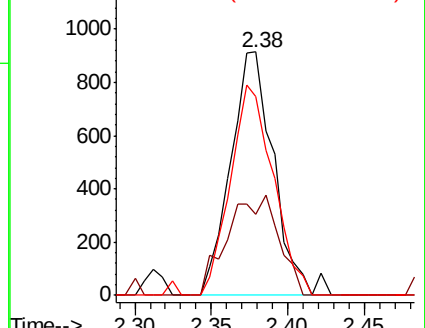
151 86.4 69.5 104.3



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: 0.848 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

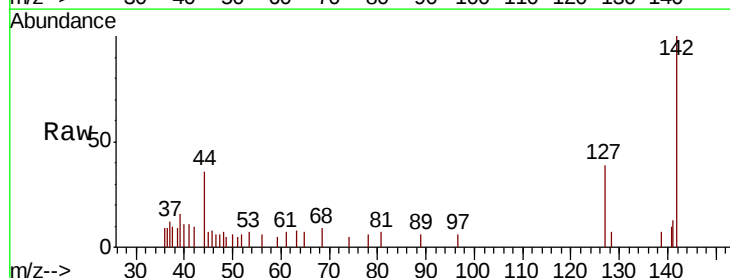
Tgt Ion:142 Resp: 1883

Ion Ratio Lower Upper

142 100

127 38.5 33.8 50.8

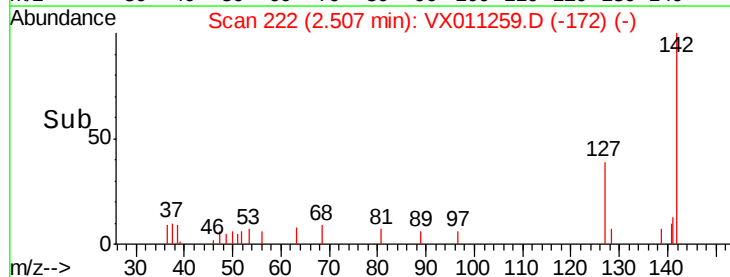
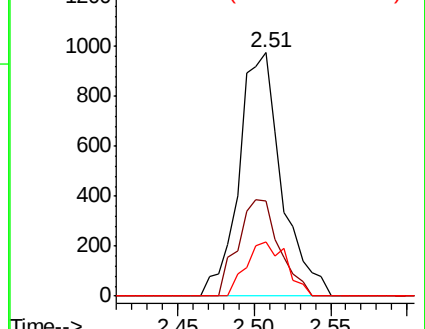
141 21.0 11.4 17.2#

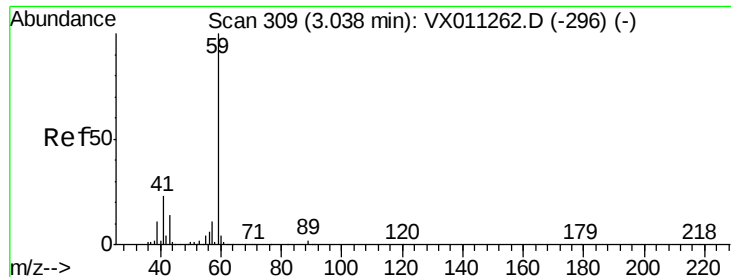


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

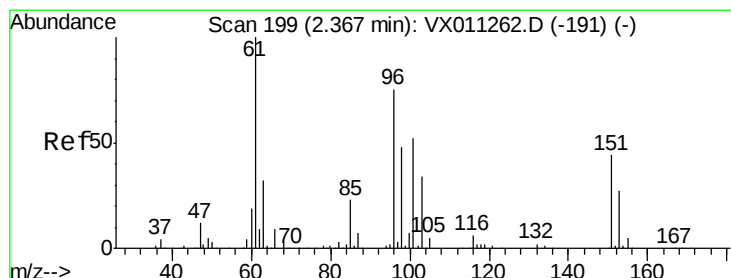
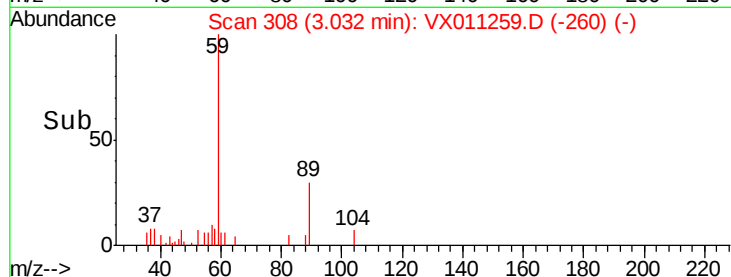
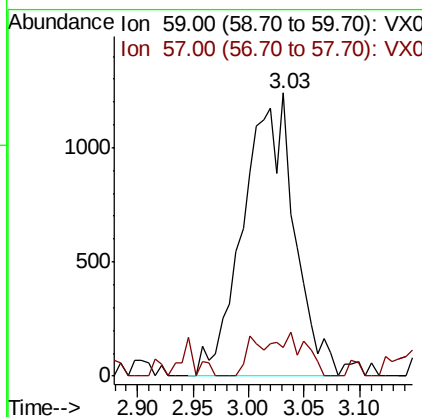
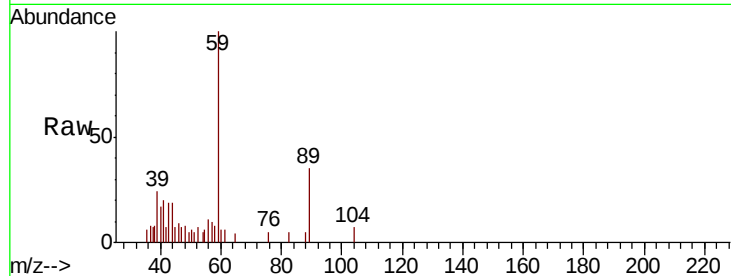




#11
Tert butyl alcohol
Concen: 8.678 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

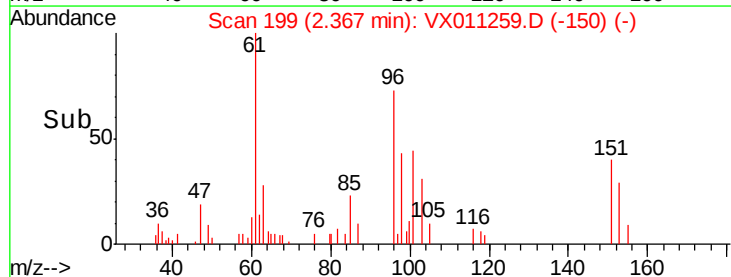
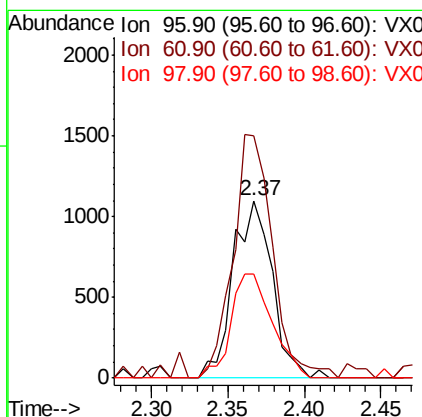
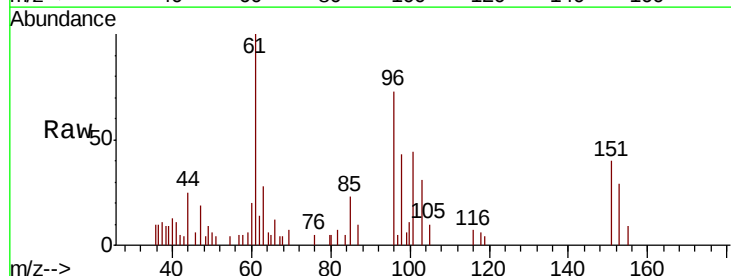
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

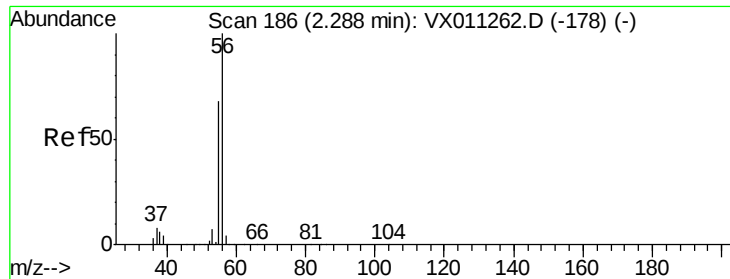
Tot Ion: 59 Resp: 3931
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 1.176 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 96 Resp: 1953
Ion Ratio Lower Upper
96 100
61 136.6 106.2 159.2
98 58.7 50.6 75.8





#13

Acrolein

Concen: 6.793 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

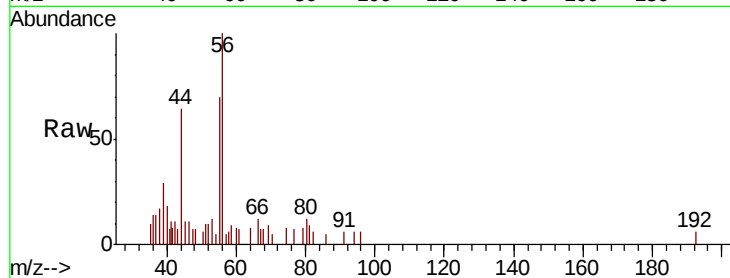
VSTDIC001

Tot Ion: 56 Resp: 1776

Ion Ratio Lower Upper

56 100

55 65.4 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

1000

800

600

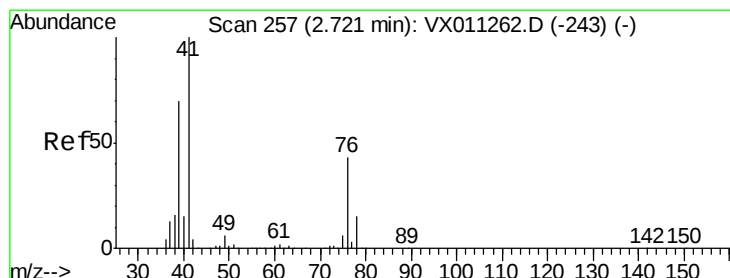
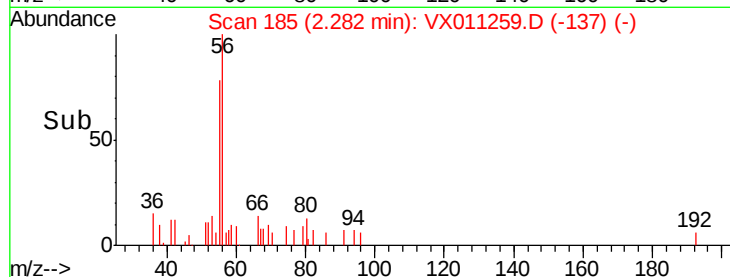
400

200

0

Time-->

2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 0.879 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

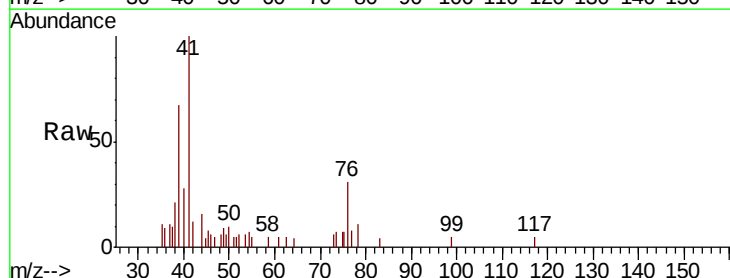
Tgt Ion: 41 Resp: 2118

Ion Ratio Lower Upper

41 100

39 78.0 52.8 79.2

76 41.6 31.1 46.7



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

1500

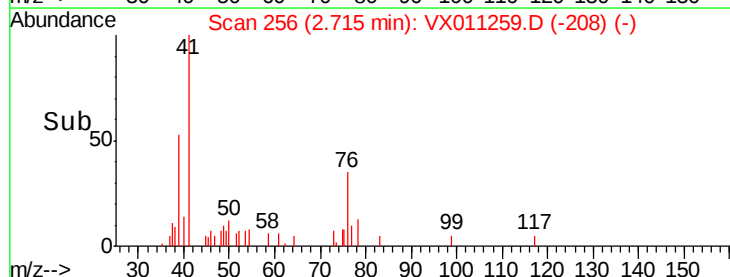
1000

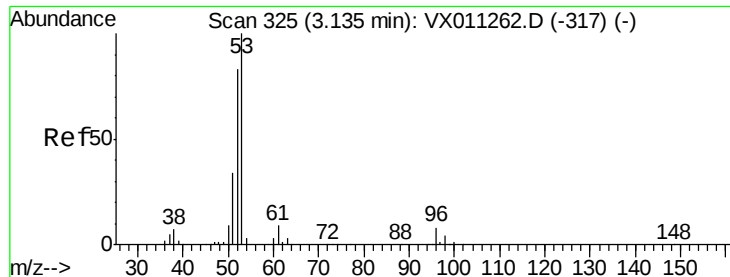
500

0

Time-->

2.65 2.70 2.75 2.80





#15

Acrylonitrile

Concen: 4.563 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

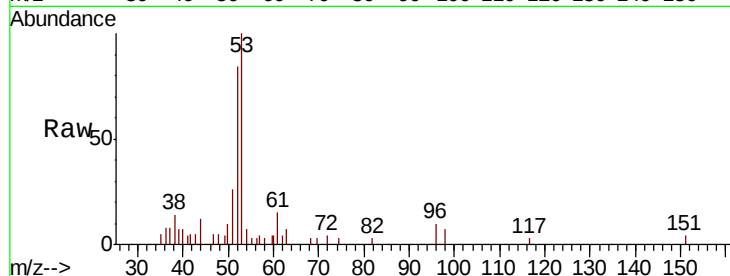
Tot Ion: 53 Resp: 4272

Ion Ratio Lower Upper

53 100

52 91.4 65.5 98.3

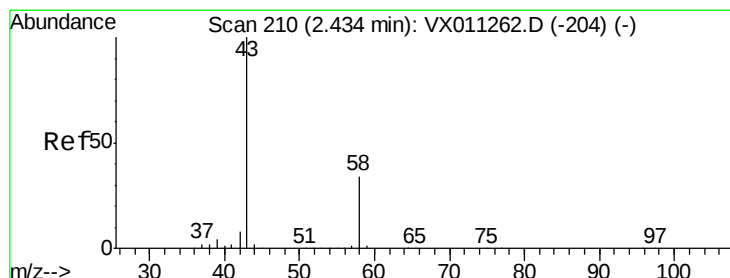
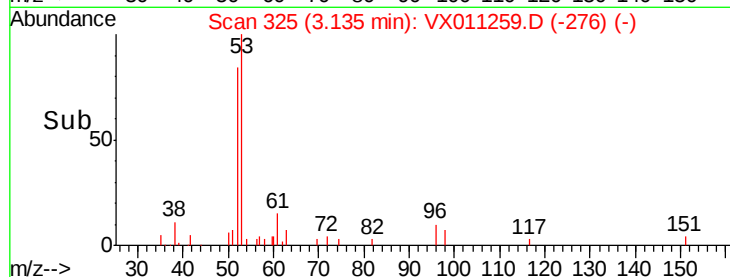
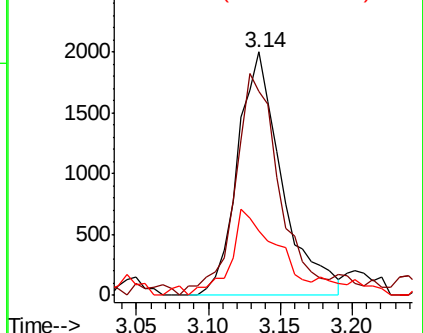
51 36.4 27.9 41.9



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: 5.804 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011259.D

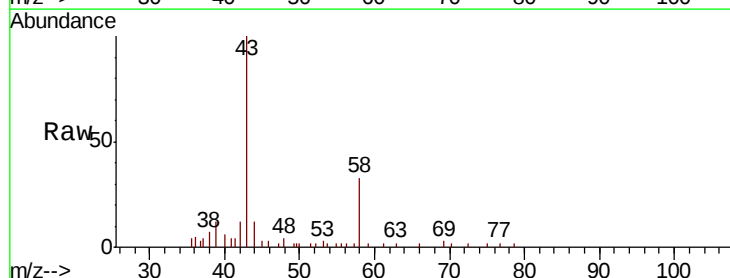
Acq: 01 Aug 2019 14:58

Tgt Ion: 43 Resp: 5202

Ion Ratio Lower Upper

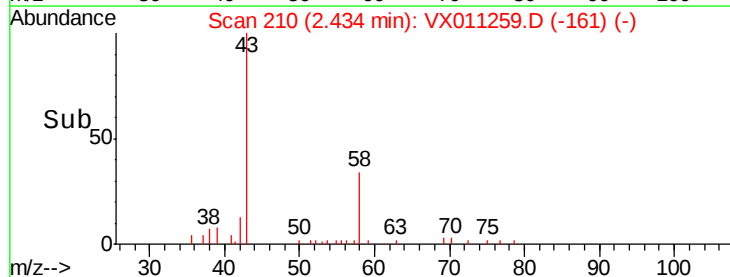
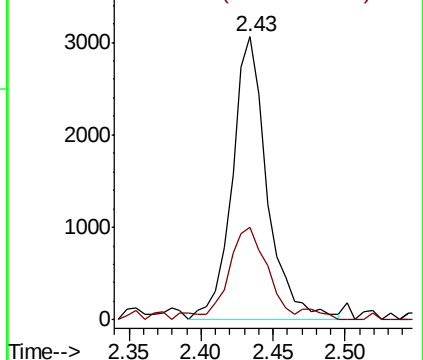
43 100

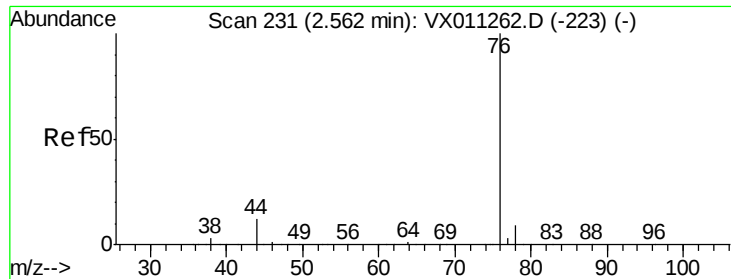
58 32.8 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

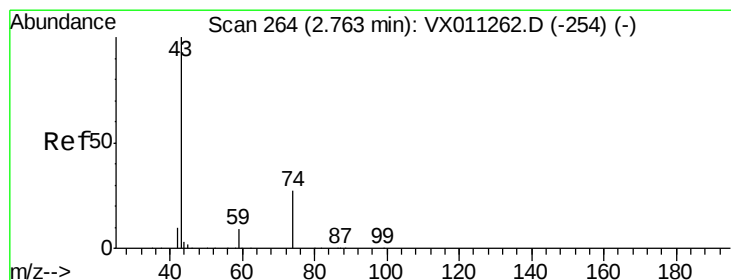
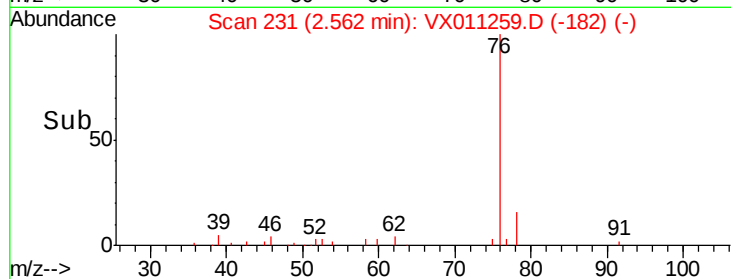
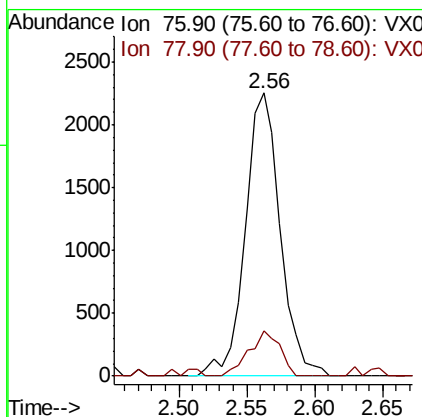
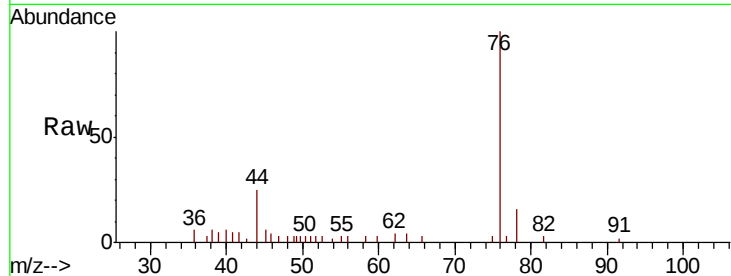




#17
Carbon Disulfide
Concen: 0.957 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

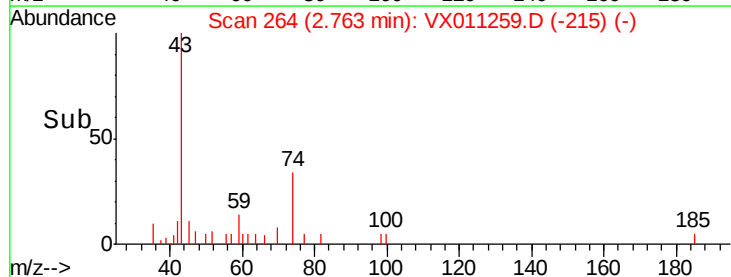
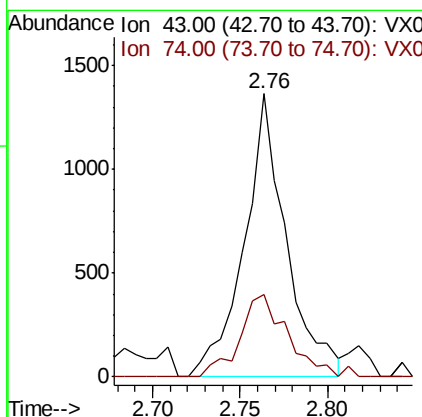
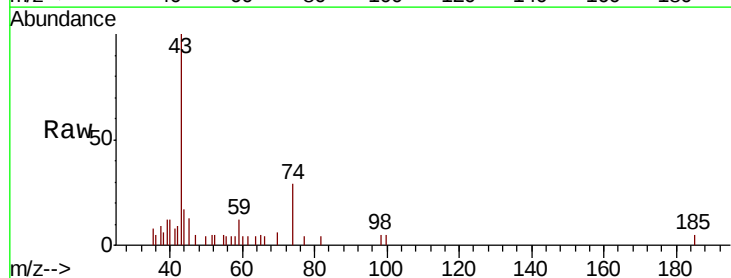
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

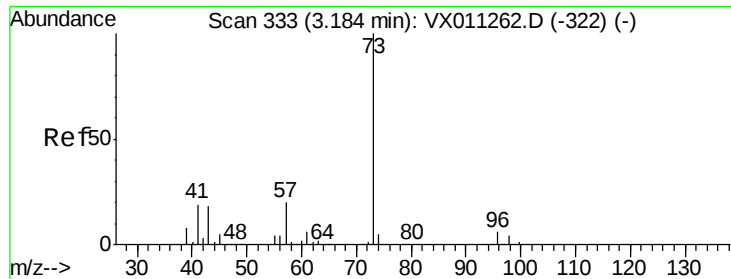
Tot Ion: 76 Resp: 4045
Ion Ratio Lower Upper
76 100
78 16.2 7.4 11.0#



#18
Methyl Acetate
Concen: 1.105 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 43 Resp: 2281
Ion Ratio Lower Upper
43 100
74 33.7 21.0 31.6#

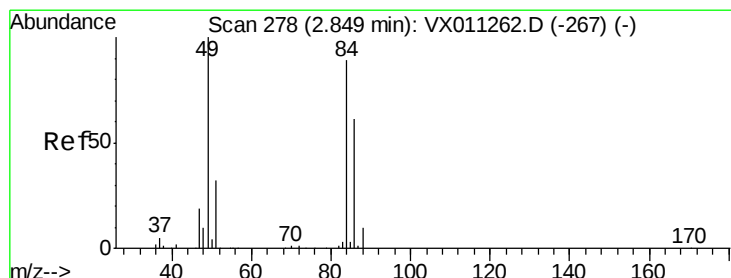
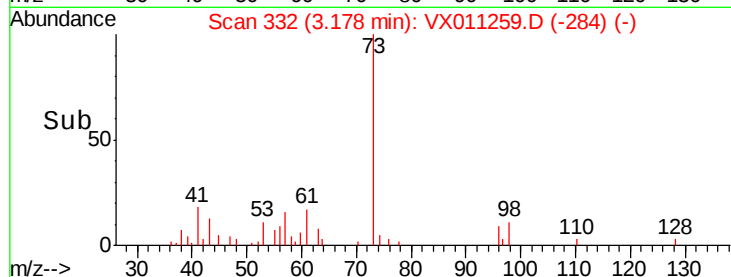
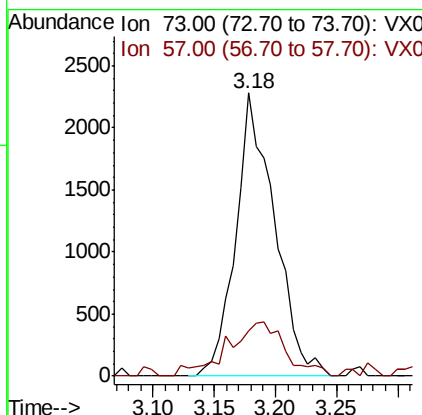
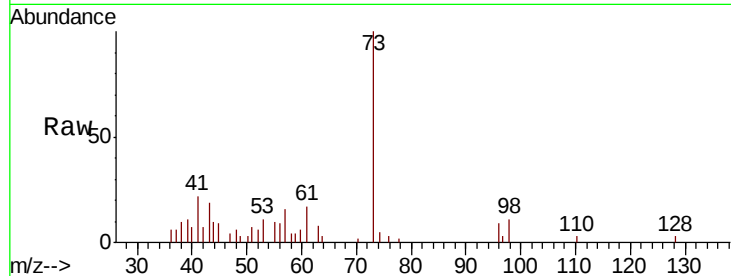




#19
Methyl tert-butyl Ether
Concen: 0.938 ug/l
RT: 3.18 min Scan# 332
Delta R.T. -0.01 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

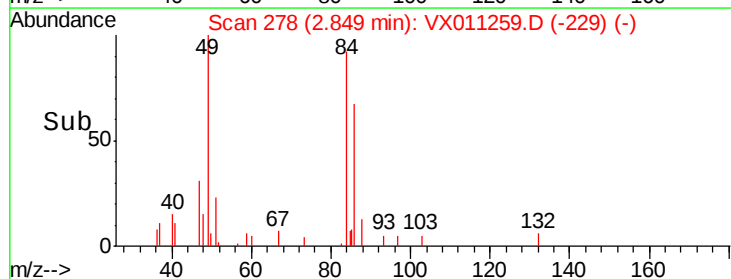
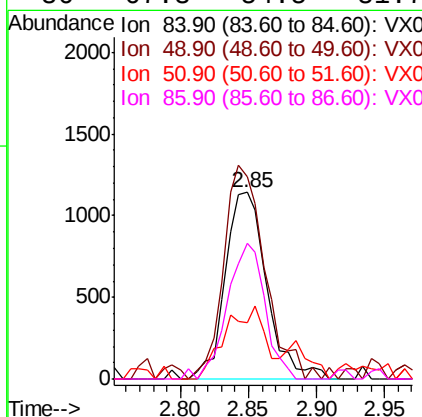
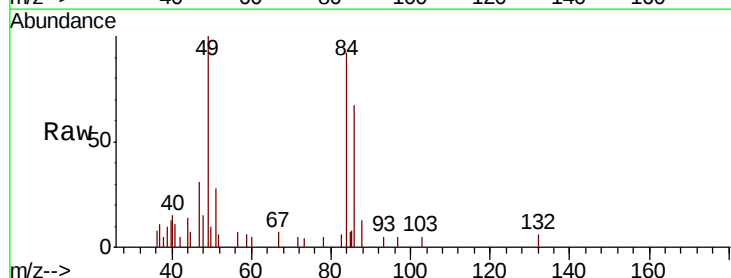
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

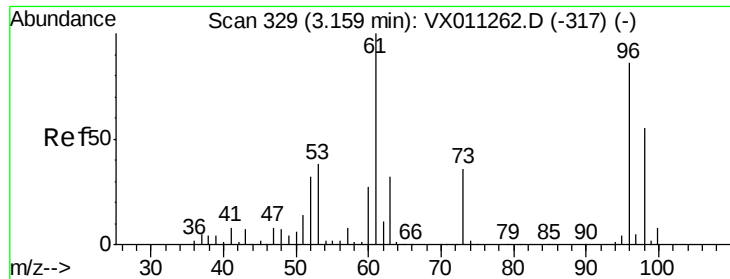
Tot Ion: 73 Resp: 5010
Ion Ratio Lower Upper
73 100
57 16.1 16.2 24.2#



#20
Methylene Chloride
Concen: 1.271 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 84 Resp: 2426
Ion Ratio Lower Upper
84 100
49 108.7 89.3 133.9
51 25.4 28.3 42.5#
86 67.3 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 1.079 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

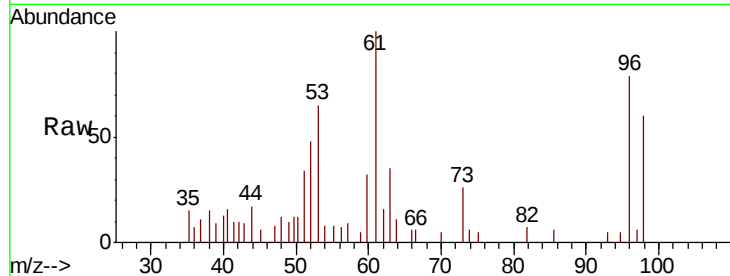
Tot Ion: 96 Resp: 1917

Ion Ratio Lower Upper

96 100

61 126.0 92.8 139.2

98 75.1 51.2 76.8

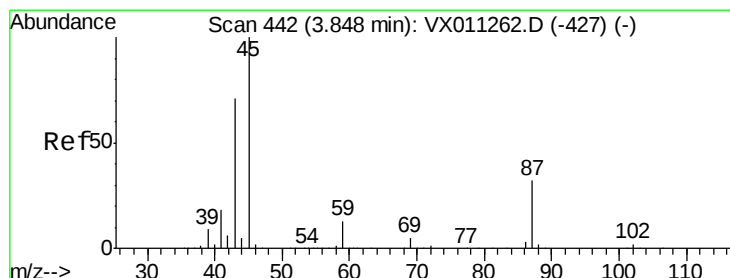
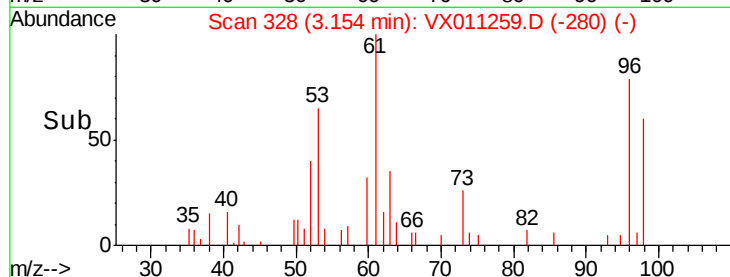
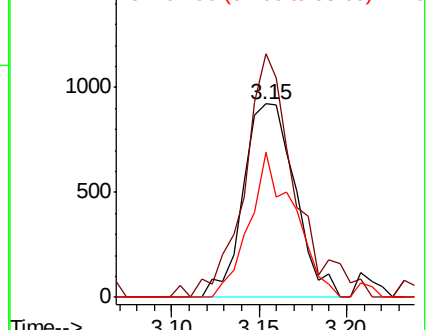


Abundance

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: 1.021 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Tgt Ion: 45 Resp: 5198

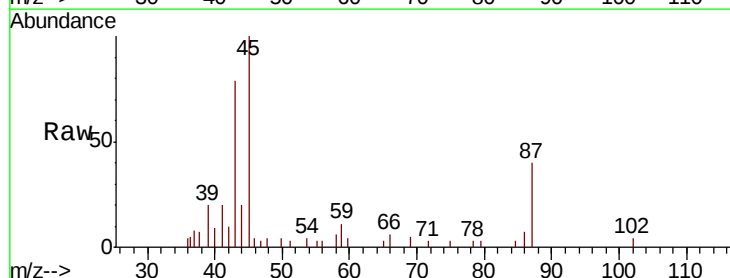
Ion Ratio Lower Upper

45 100

43 73.7 56.8 85.2

87 41.6 25.8 38.6#

59 11.3 10.3 15.5



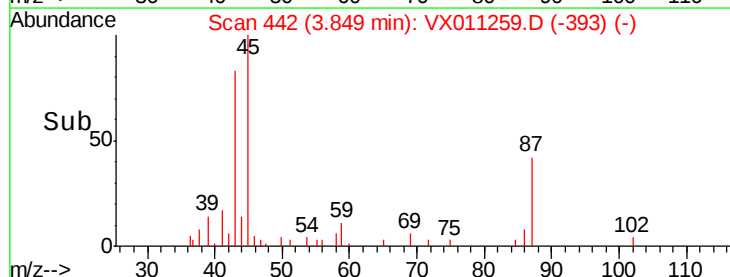
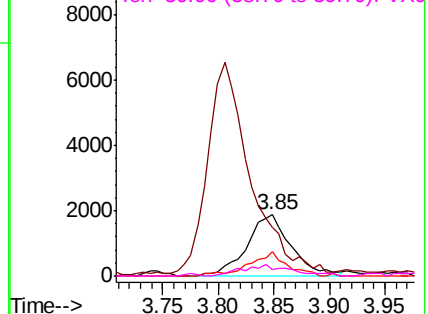
Abundance

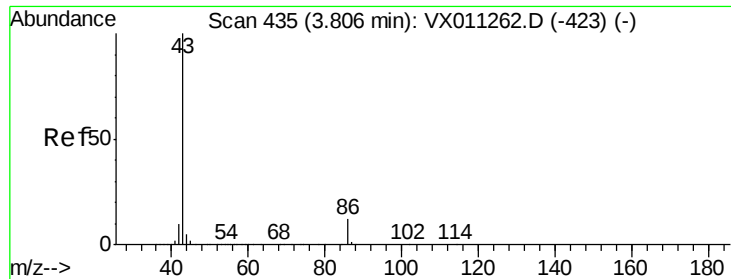
Ion 45.00 (44.70 to 45.70): VX0

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: 4.053 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

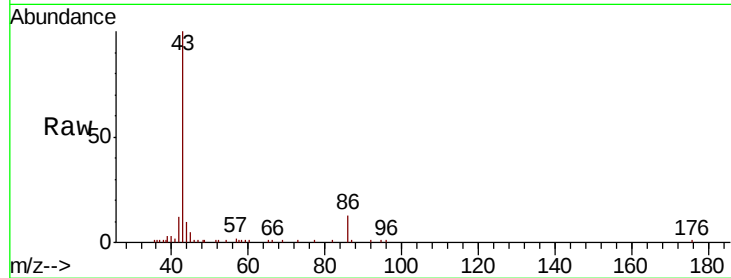
VSTDIC001

Tot Ion: 43 Resp: 17493

Ion Ratio Lower Upper

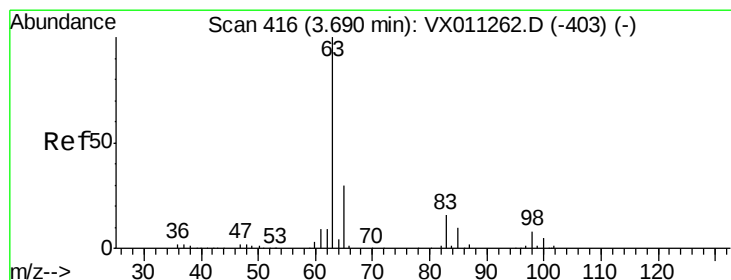
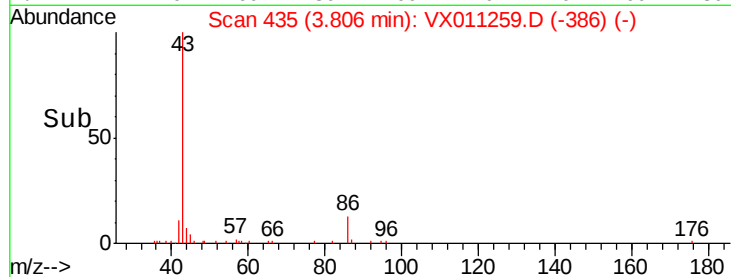
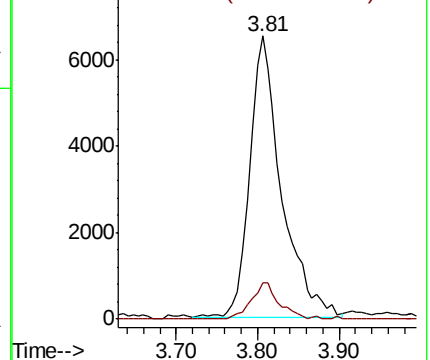
43 100

86 12.8 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 1.051 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

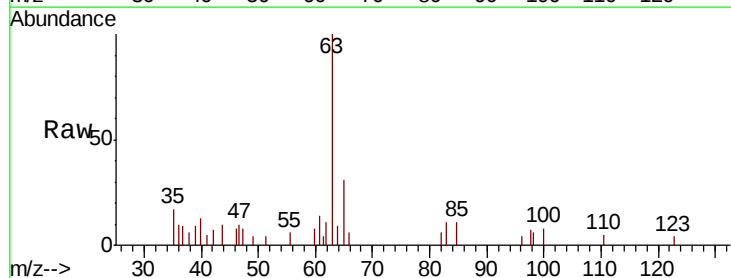
Tgt Ion: 63 Resp: 3121

Ion Ratio Lower Upper

63 100

98 12.5 3.9 11.5#

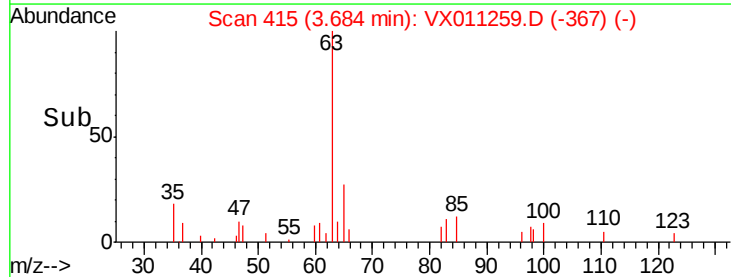
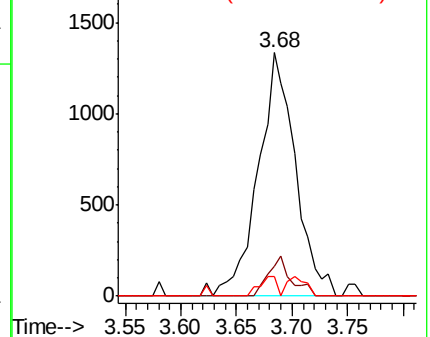
100 8.3 2.7 8.1#

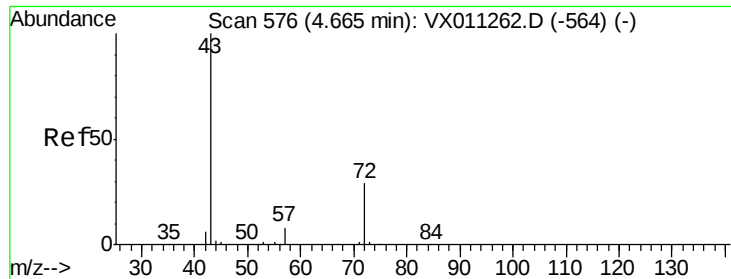


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 4.827 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

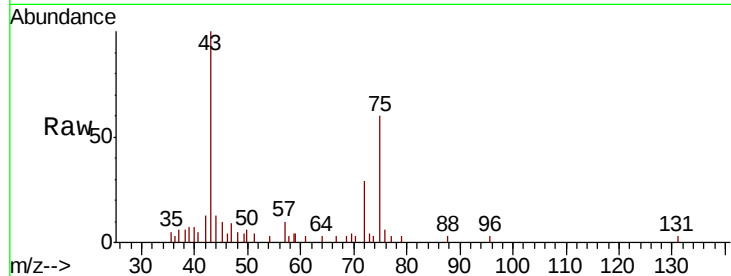
VSTDIC001

Tot Ion: 43 Resp: 6227

Ion Ratio Lower Upper

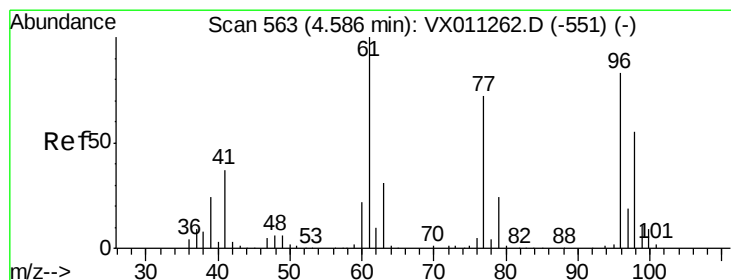
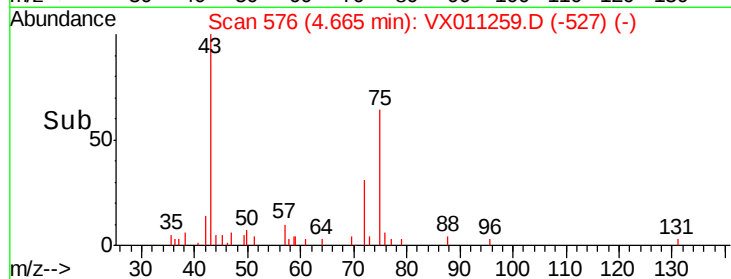
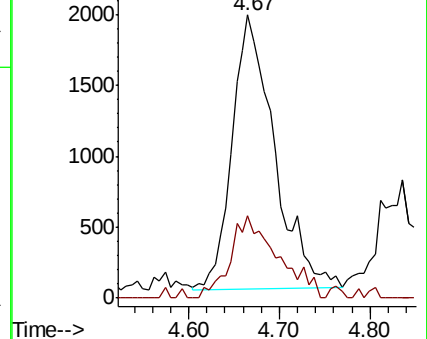
43 100

72 30.1 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.107 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

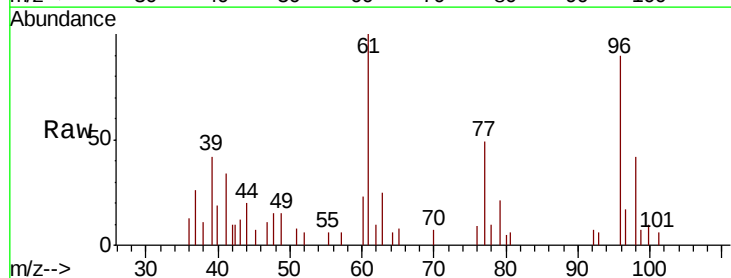
Tgt Ion: 96 Resp: 2271

Ion Ratio Lower Upper

96 100

61 130.2 0.0 260.2

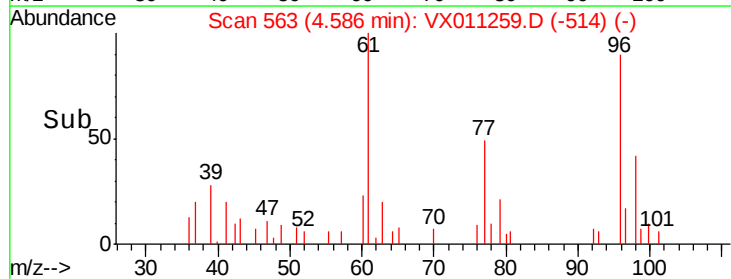
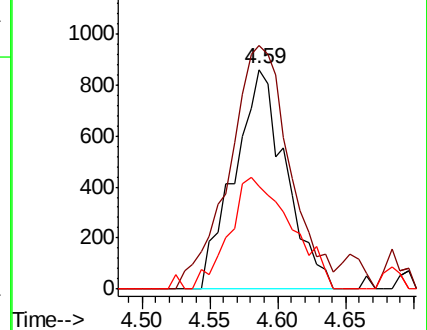
98 61.1 0.0 133.2

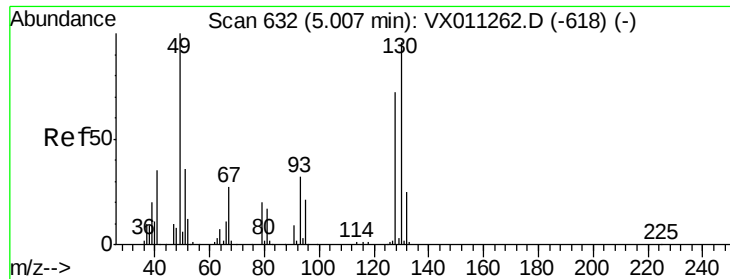


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: 1.194 ug/l

RT: 5.01 min Scan# 632

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

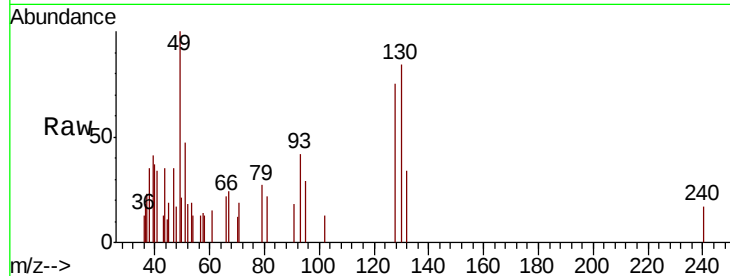
Tot Ion: 49 Resp: 1652

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.8

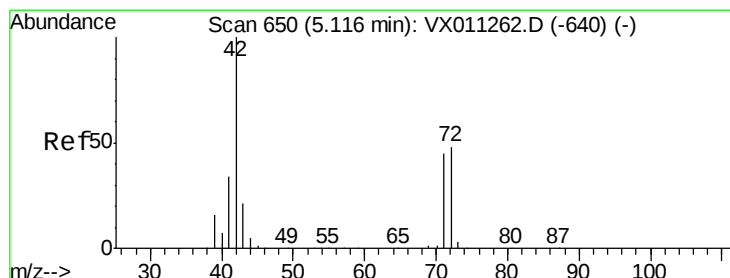
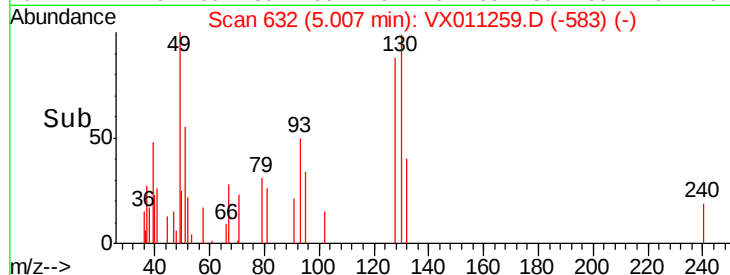
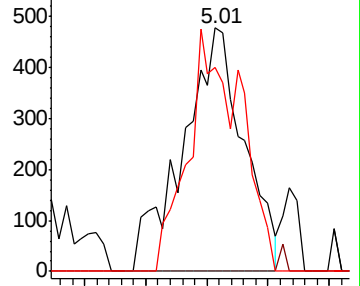
130 60.5 77.9 116.9#



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: 4.755 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

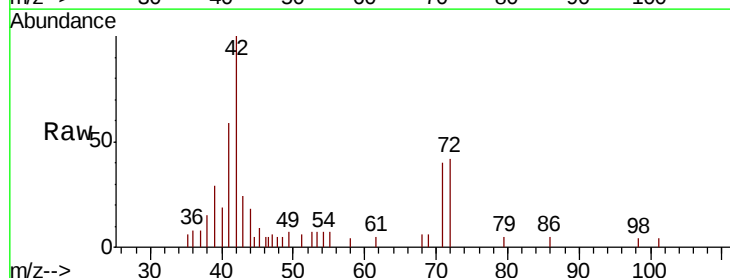
Tgt Ion: 42 Resp: 3879

Ion Ratio Lower Upper

42 100

72 51.8 39.9 59.9

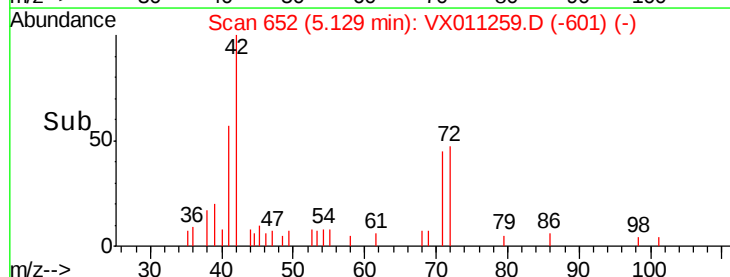
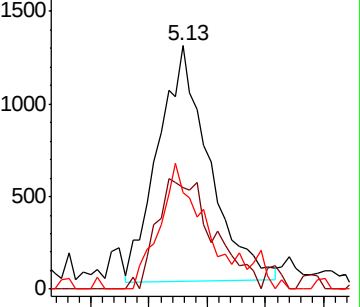
71 47.5 36.9 55.3

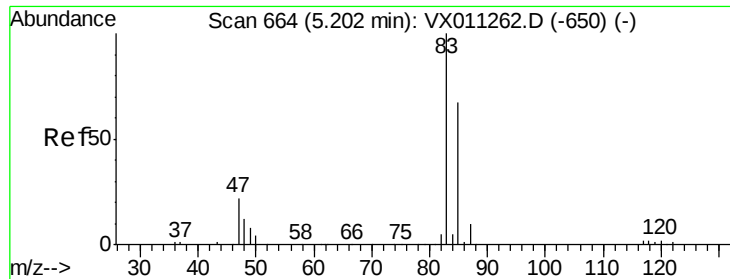


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

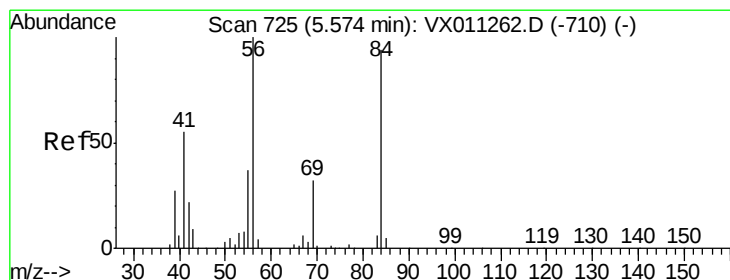
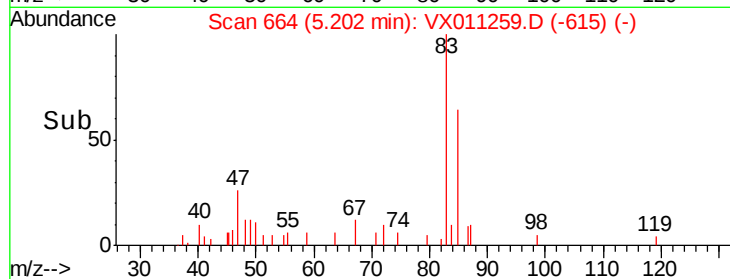
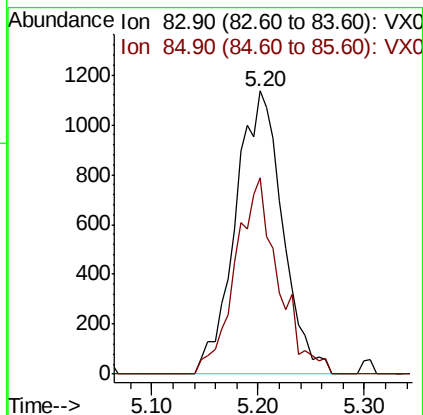
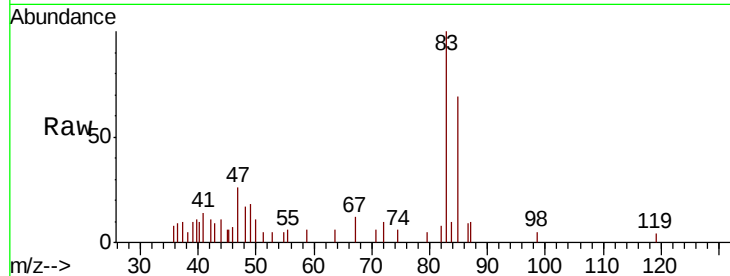




#30
Chloroform
Concen: 1.098 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

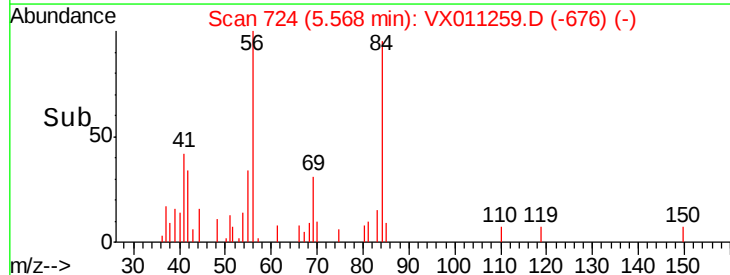
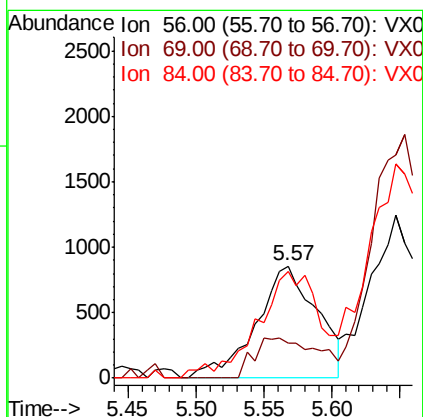
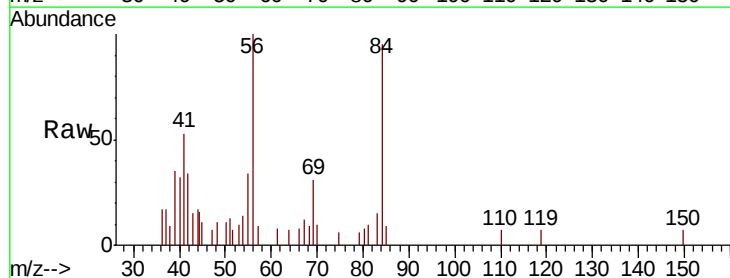
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

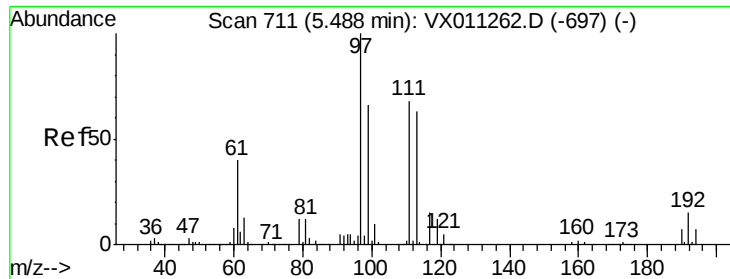
Tot Ion: 83 Resp: 3528
Ion Ratio Lower Upper
83 100
85 69.2 53.4 80.0



#31
Cyclohexane
Concen: 1.002 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 56 Resp: 2668
Ion Ratio Lower Upper
56 100
69 30.7 25.5 38.3
84 87.9 75.0 112.4

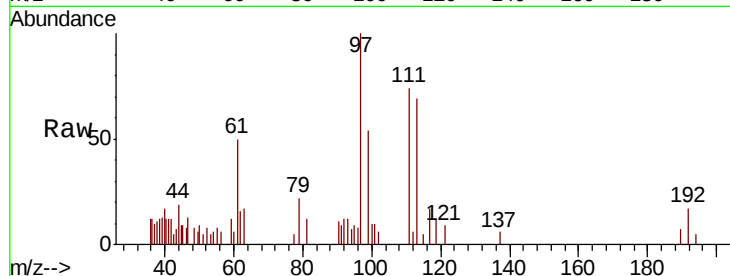




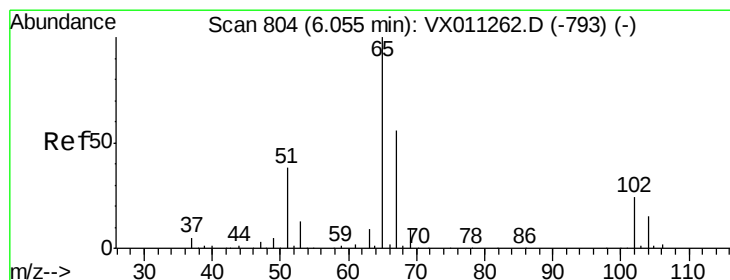
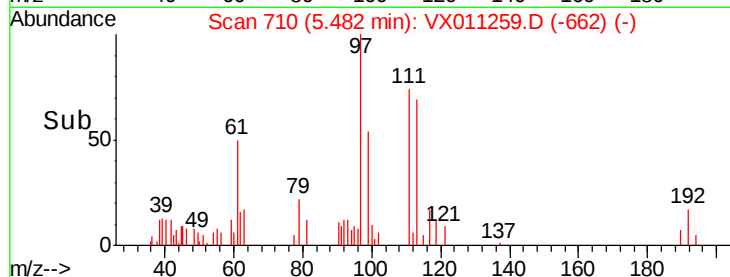
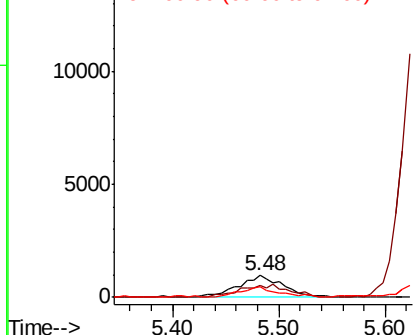
#32
 1,1,1-Trichloroethane
 Concen: 1.036 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 97 Resp: 2870
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.6 77.4#
 61 42.1 32.3 48.5

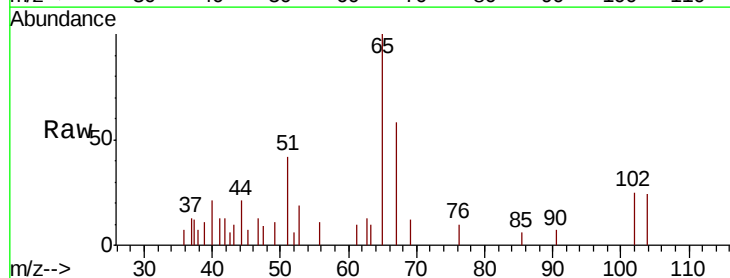


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0

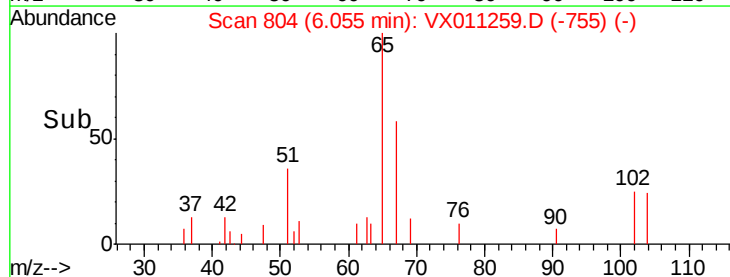
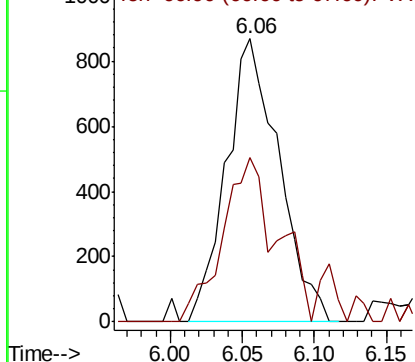


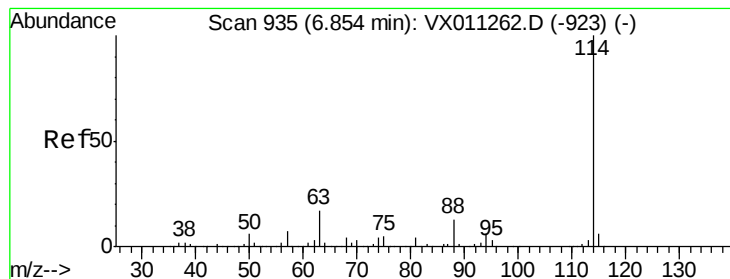
#33
 1,2-Dichloroethane-d4
 Concen: 1.128 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

Tgt Ion: 65 Resp: 2208
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

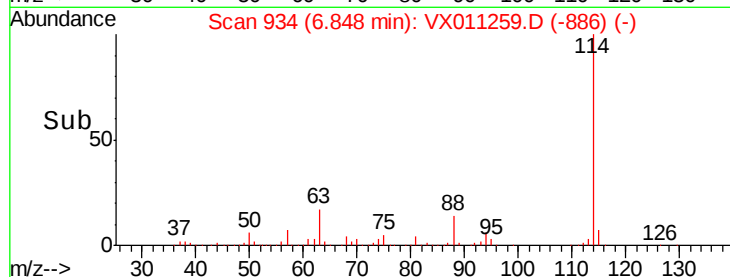
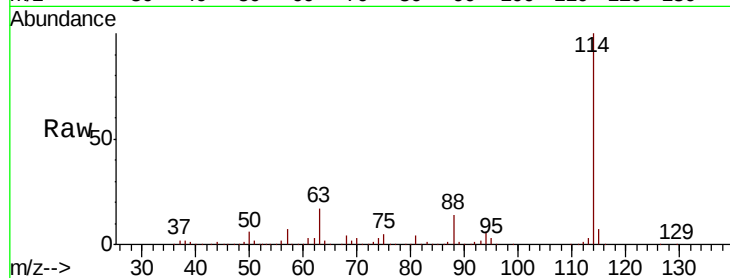
Tot Ion:114 Resp: 269060

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.0

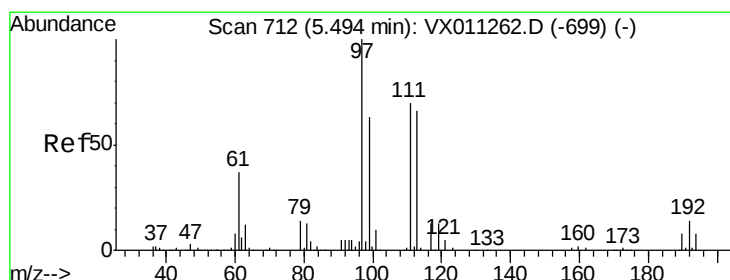
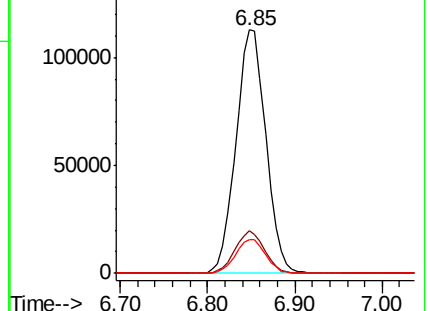
88 14.1 0.0 26.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 1.292 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

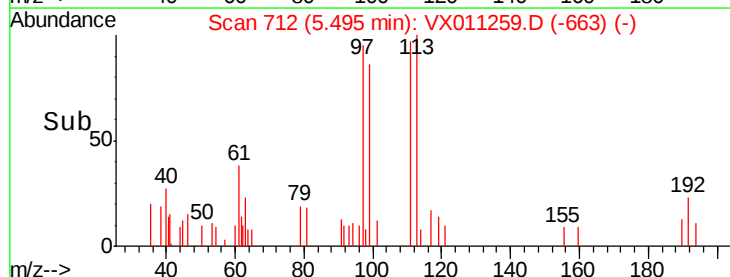
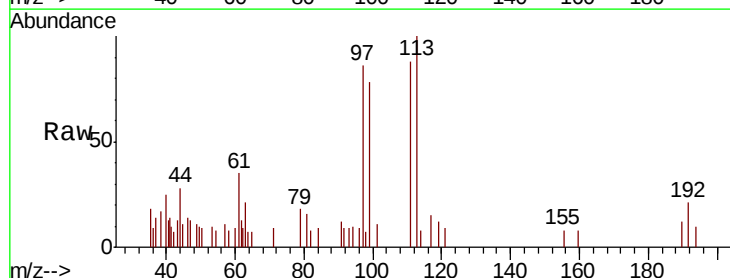
Tgt Ion:113 Resp: 2207

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

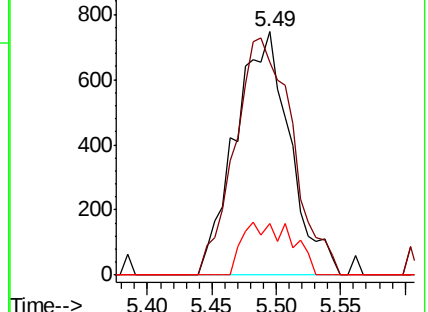
192 19.7 17.8 26.8

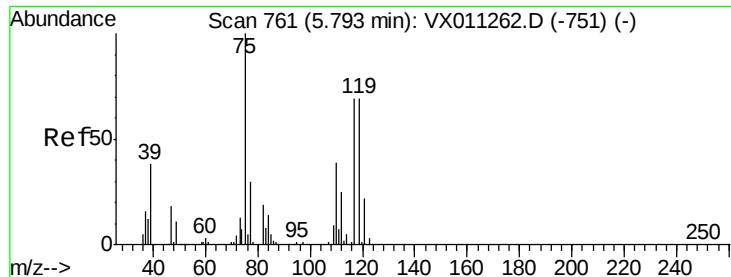


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 1.176 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

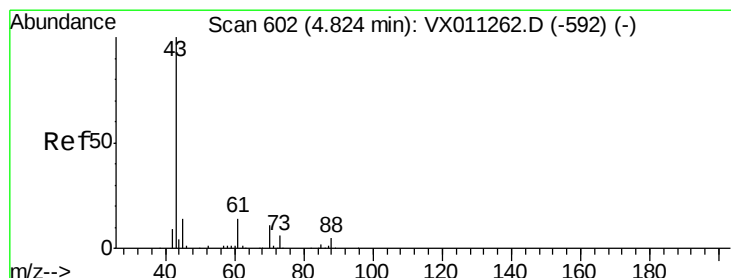
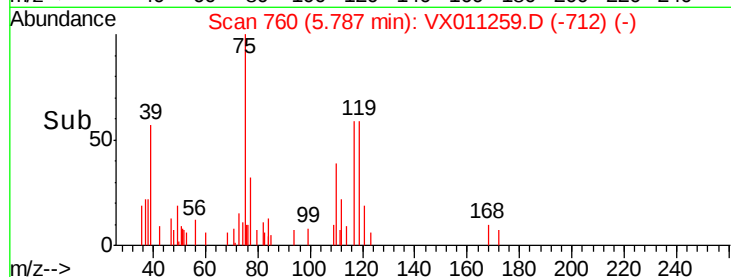
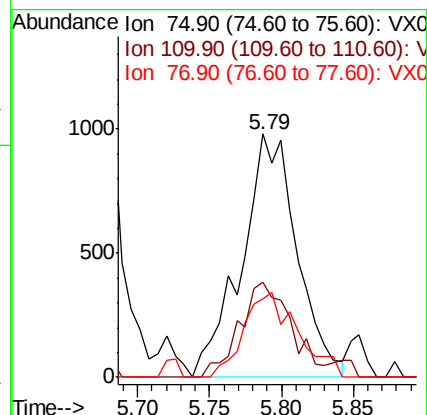
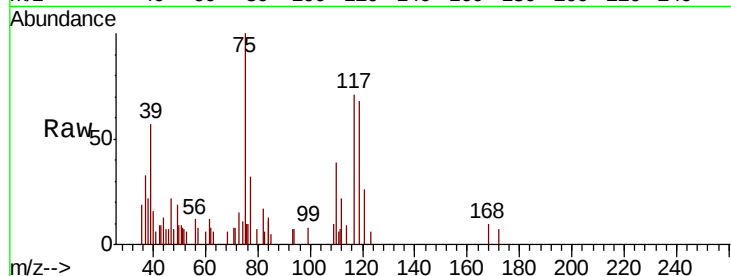
Tot Ion: 75 Resp: 2629

Ion Ratio Lower Upper

75 100

110 36.3 20.0 59.9

77 33.7 24.8 37.2



#37

Ethyl Acetate

Concen: 1.181 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

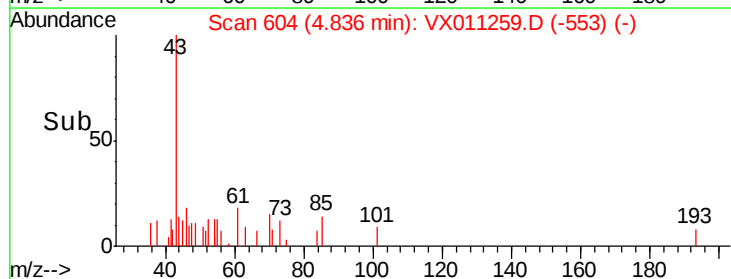
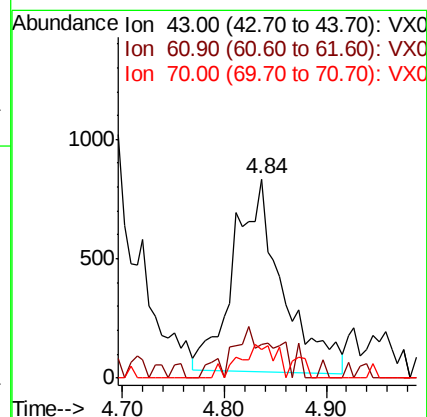
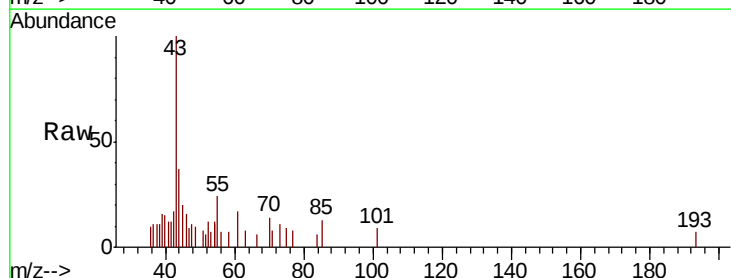
Tgt Ion: 43 Resp: 2677

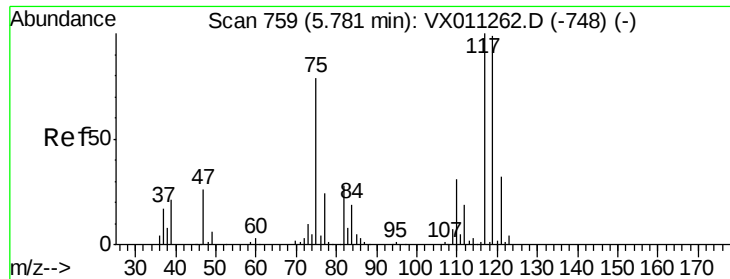
Ion Ratio Lower Upper

43 100

61 15.0 12.6 18.8

70 13.0 9.1 13.7

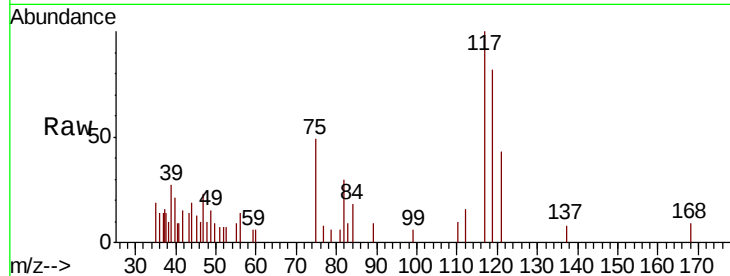




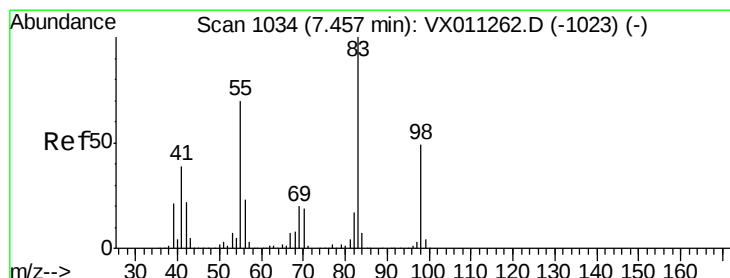
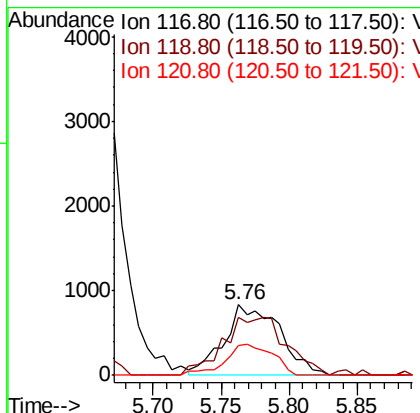
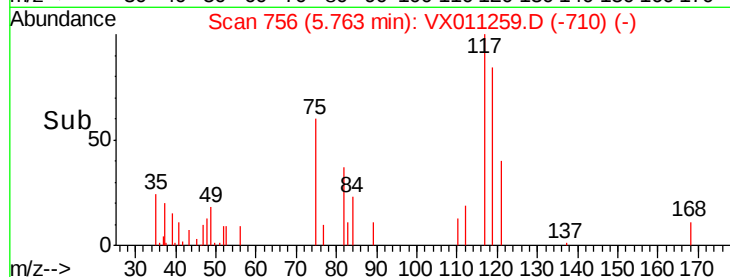
#38
Carbon Tetrachloride
Concen: 1.028 ug/l
RT: 5.76 min Scan# 756
Delta R.T. -0.02 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2390
Ion Ratio Lower Upper
117 100
119 75.7 79.0 118.4#
121 42.6 25.9 38.9#

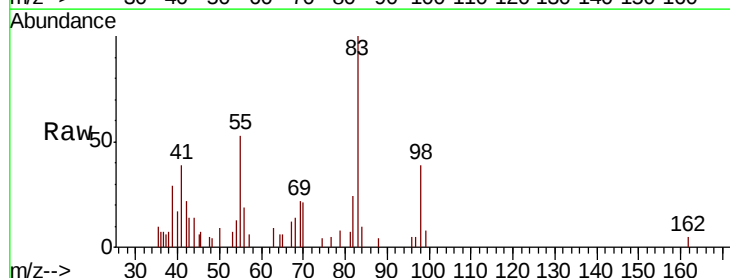


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

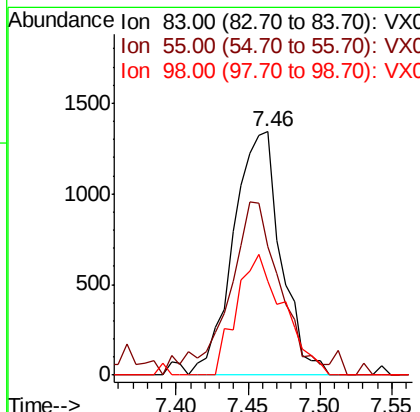
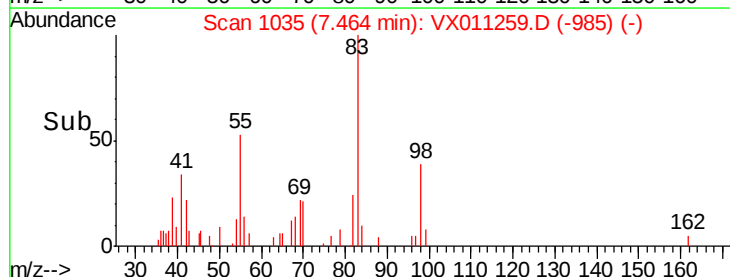


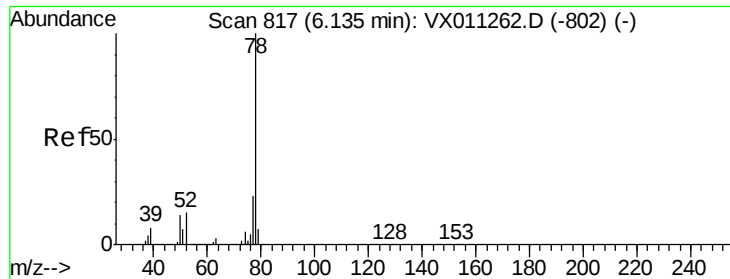
#39
Methylcyclohexane
Concen: 1.080 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 83 Resp: 3082
Ion Ratio Lower Upper
83 100
55 43.1 56.1 84.1#
98 38.8 39.0 58.4#



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: 1.036 ug/l

RT: 6.13 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

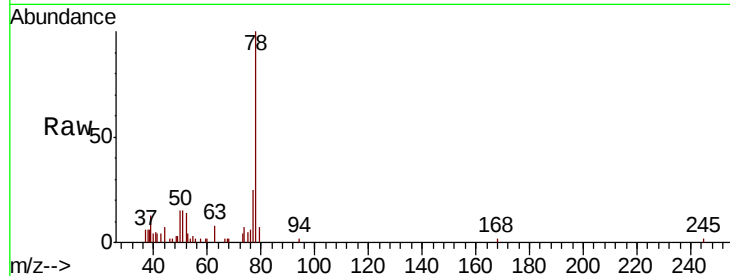
VSTDIC001

Tot Ion: 78 Resp: 7089

Ion Ratio Lower Upper

78 100

77 25.1 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.13

3000

2500

2000

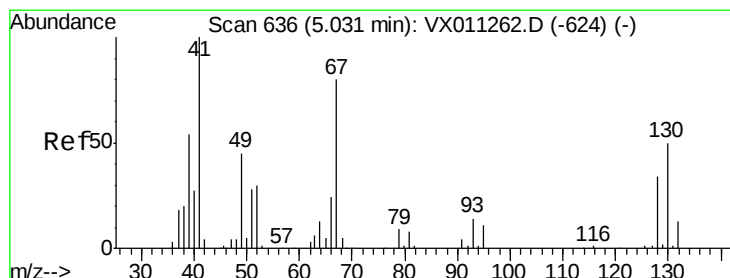
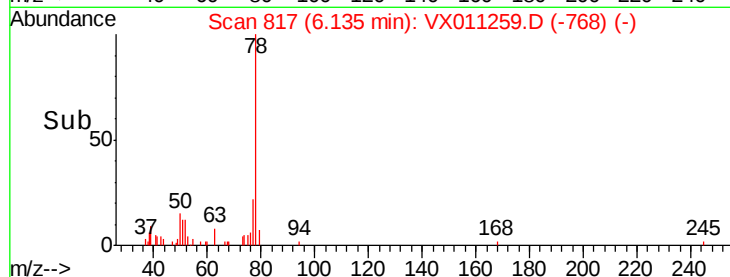
1500

1000

500

0

Time--> 6.00 6.05 6.10 6.15 6.20



#41

Methacrylonitrile

Concen: 0.645 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Tgt Ion: 41 Resp: 839

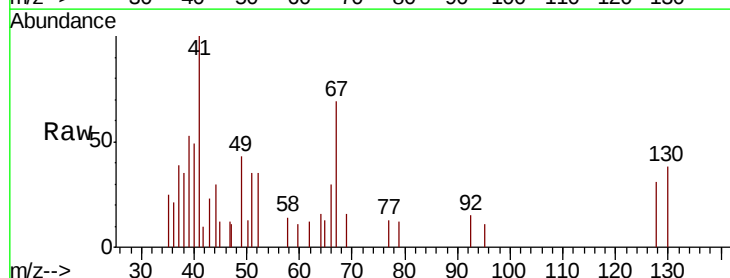
Ion Ratio Lower Upper

41 100

39 24.7 43.0 64.6#

67 0.0 65.1 97.7#

52 86.8 24.8 37.2#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

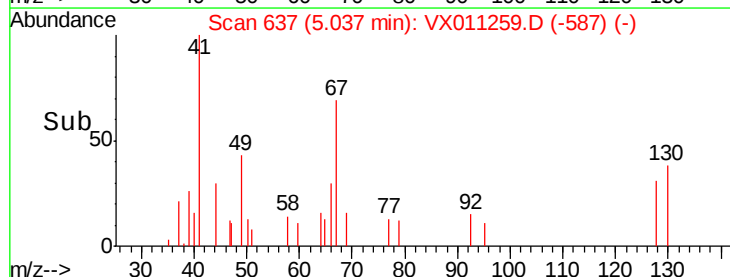
600

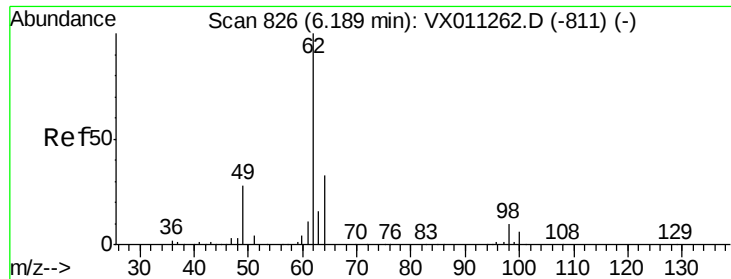
400

200

0

Time--> 4.95 5.00 5.05





#42

1,2-Dichloroethane

Concen: 1.059 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

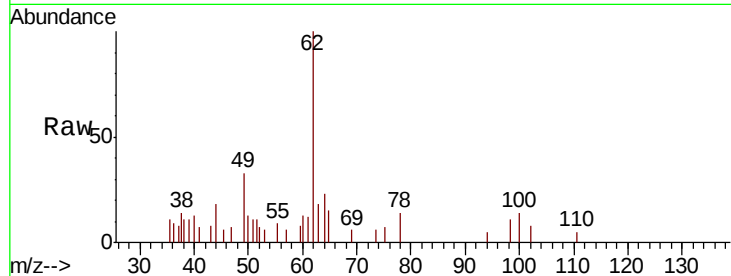
VSTDIC001

Tot Ion: 62 Resp: 2508

Ion Ratio Lower Upper

62 100

98 7.9 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.18

1200

1000

800

600

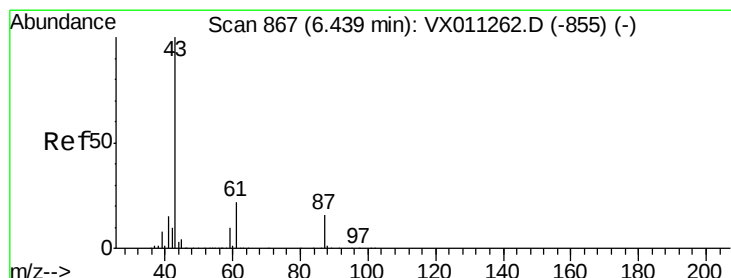
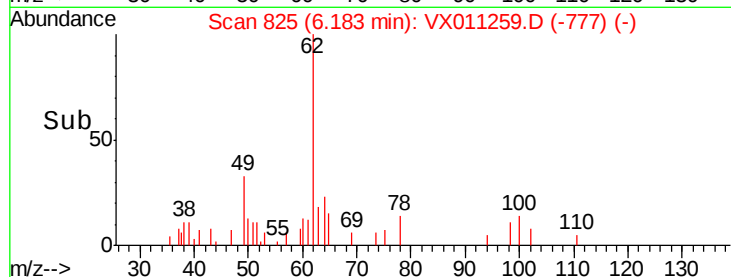
400

200

0

6.10 6.15 6.20 6.25

Time-->



#43

Isopropyl Acetate

Concen: 1.077 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

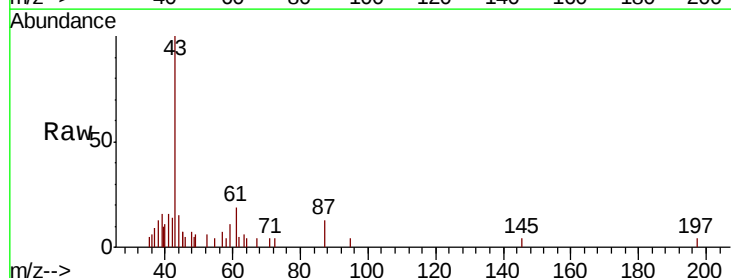
Tgt Ion: 43 Resp: 4026

Ion Ratio Lower Upper

43 100

61 22.5 16.5 24.7

87 15.6 12.1 18.1



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

6.43

1500

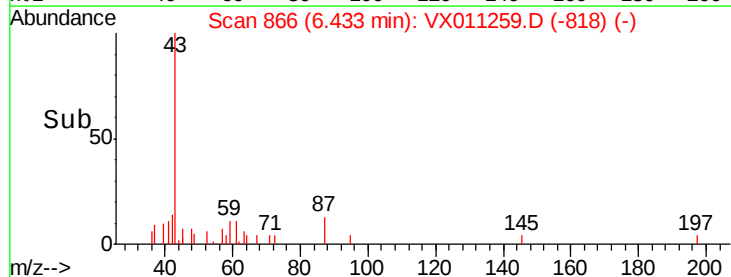
1000

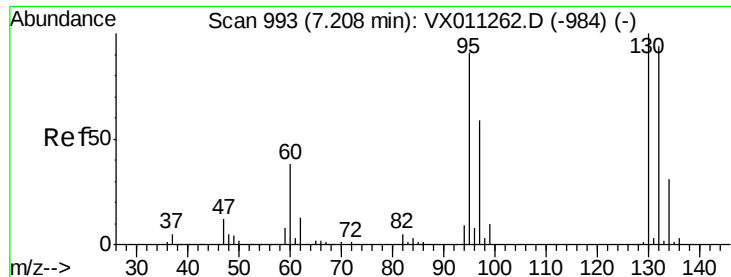
500

0

6.35 6.40 6.45 6.50 6.55

Time-->





#44

Trichloroethene

Concen: 1.124 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

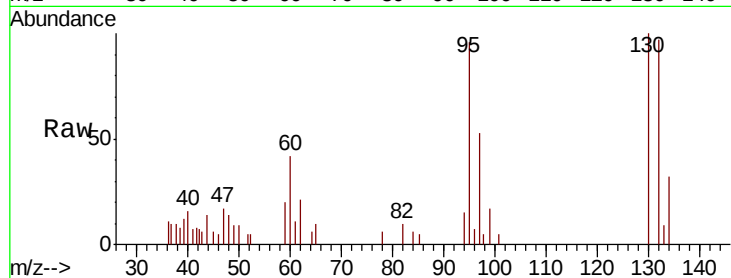
VSTDIC001

Tot Ion:130 Resp: 2281

Ion Ratio Lower Upper

130 100

95 96.5 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

1200

1000

800

600

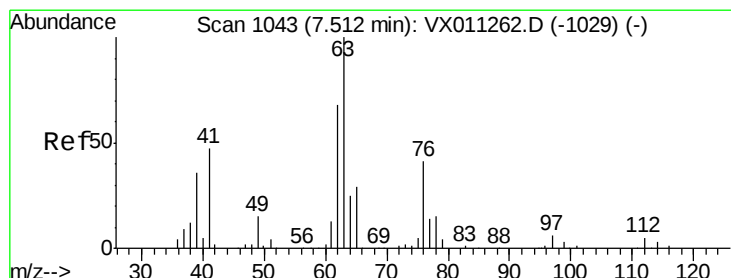
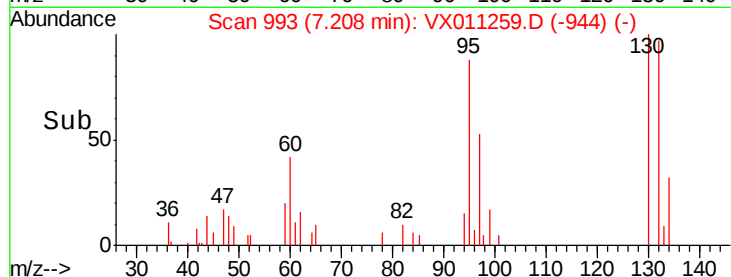
400

200

0

Time-->

7.10 7.15 7.20 7.25 7.30



#45

1,2-Dichloropropane

Concen: 1.174 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011259.D

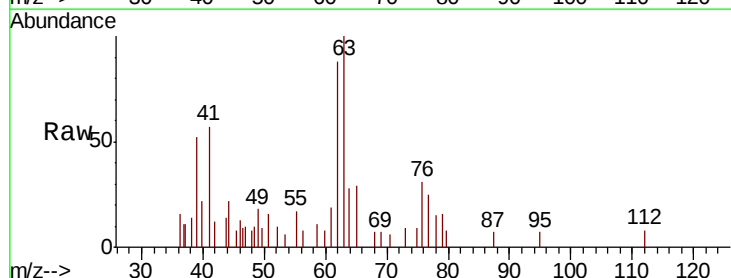
Acq: 01 Aug 2019 14:58

Tgt Ion: 63 Resp: 2045

Ion Ratio Lower Upper

63 100

65 28.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

800

600

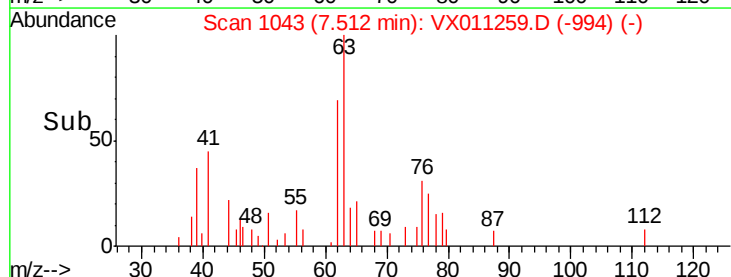
400

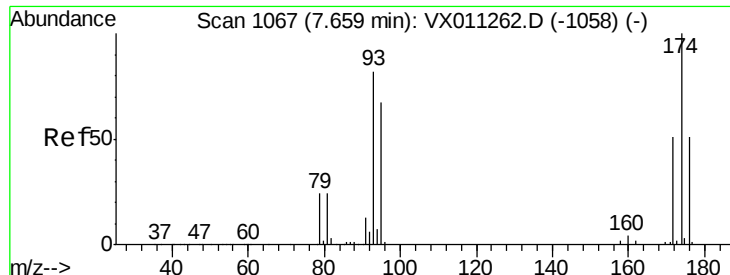
200

0

Time-->

7.40 7.45 7.50 7.55





#46

Dibromomethane

Concen: 1.143 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

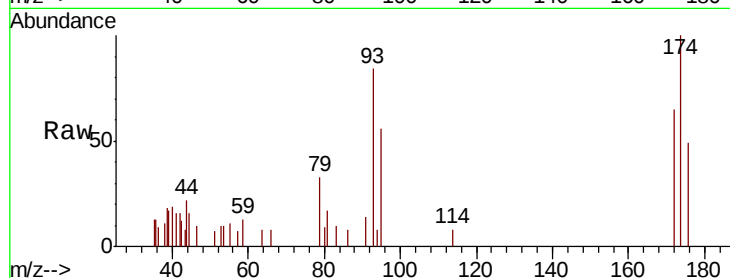
Tot Ion: 93 Resp: 1422

Ion Ratio Lower Upper

93 100

95 75.7 66.4 99.6

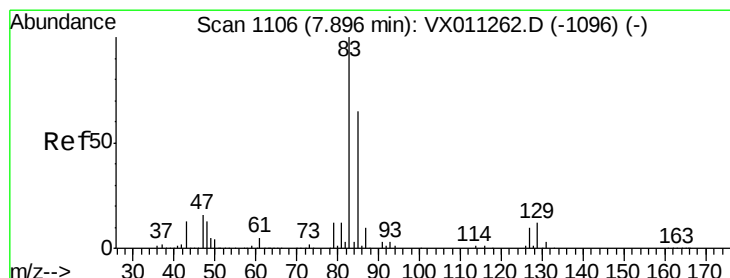
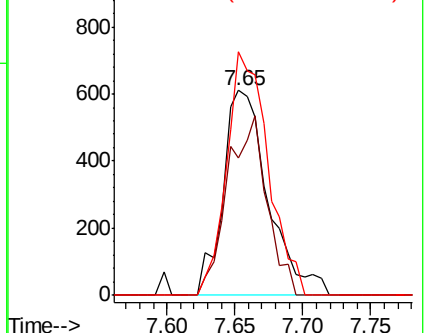
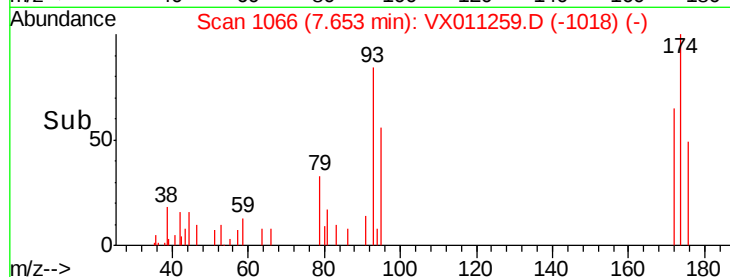
174 108.5 93.4 140.2



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: 0.986 ug/l

RT: 7.88 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

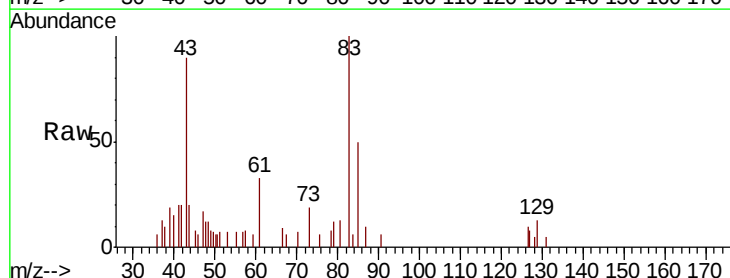
Tgt Ion: 83 Resp: 2176

Ion Ratio Lower Upper

83 100

85 49.5 52.2 78.2#

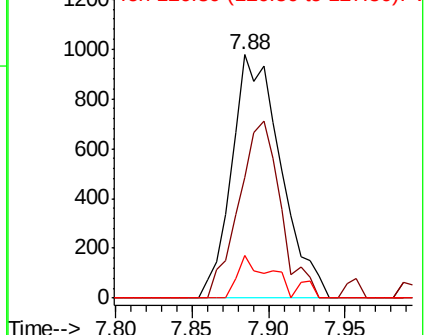
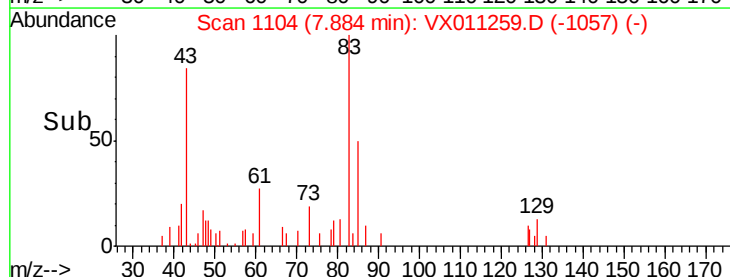
127 17.7 7.8 11.8#

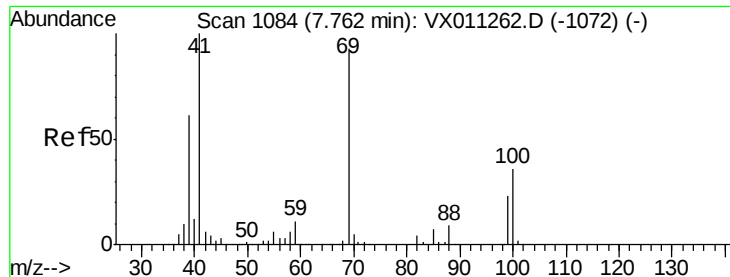


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

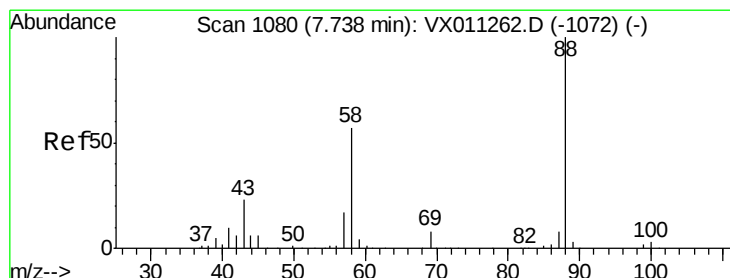
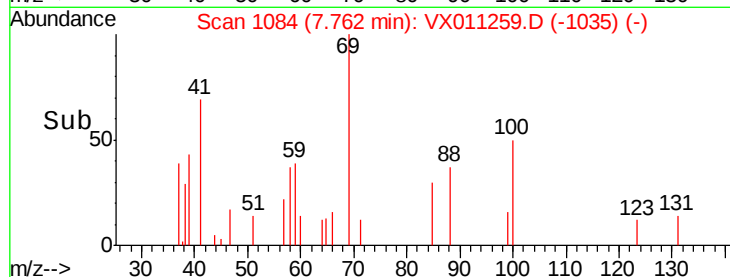
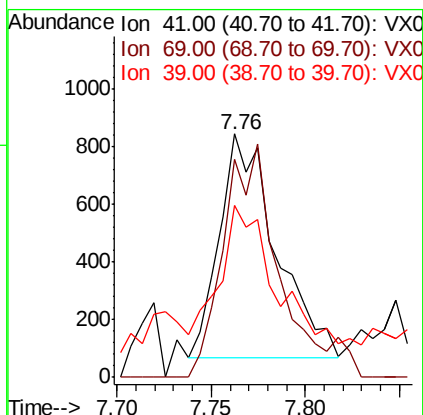
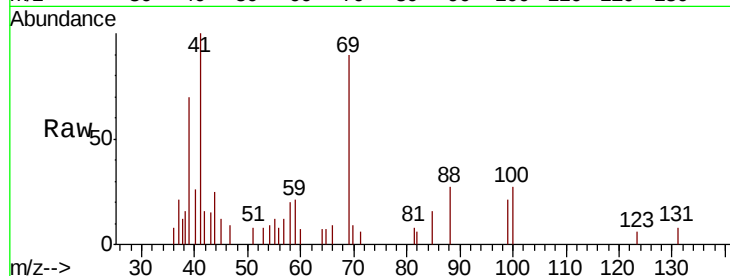




#48
Methvl methacrylate
Concen: 0.881 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

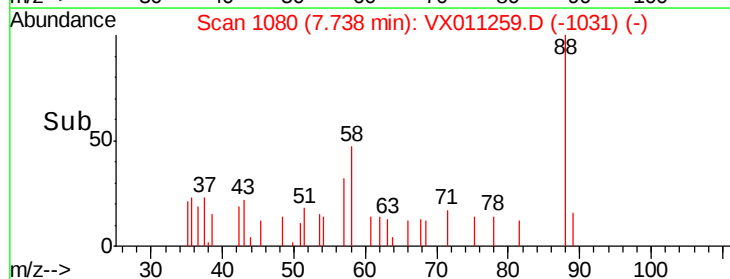
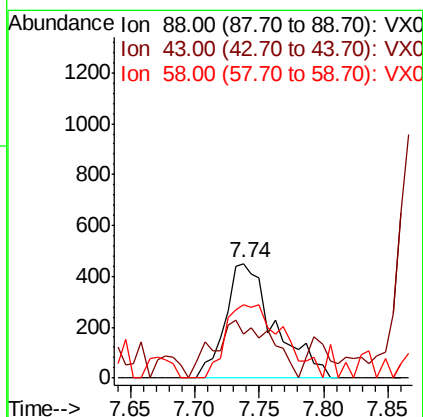
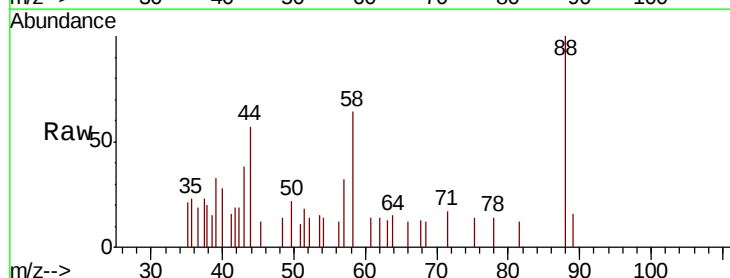
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

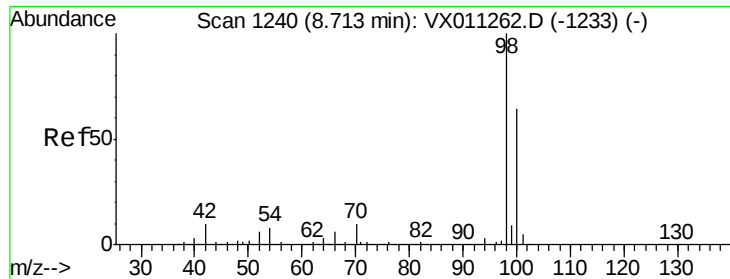
Tot Ion: 41 Resp: 1601
Ion Ratio Lower Upper
41 100
69 104.5 74.5 111.7
39 59.0 48.6 72.8



#49
1,4-Dioxane
Concen: 23.492 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 88 Resp: 1201
Ion Ratio Lower Upper
88 100
43 56.9 22.2 33.2#
58 74.1 47.8 71.8#





#50

Toluene-d8

Concen: 1.169 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

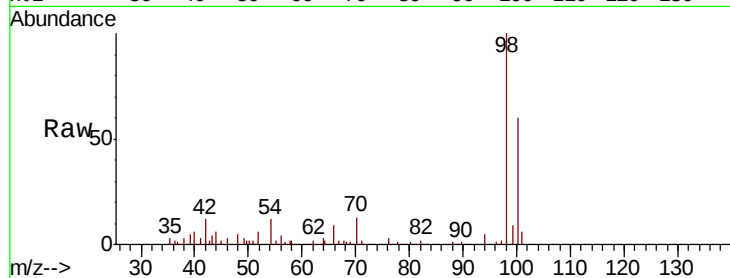
VSTDIC001

Tot Ion: 98 Resp: 7474

Ion Ratio Lower Upper

98 100

100 60.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

4000

3000

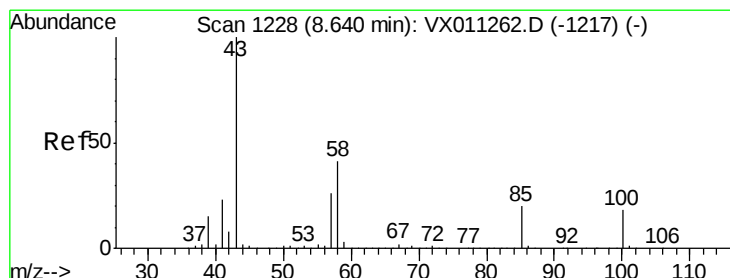
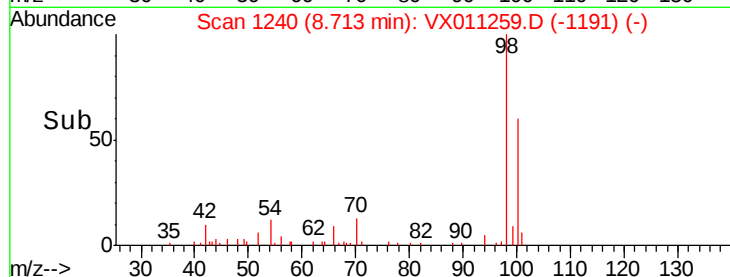
2000

1000

0

8.65 8.70 8.75

Time-->



#51

4-Methyl-2-Pentanone

Concen: 4.507 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011259.D

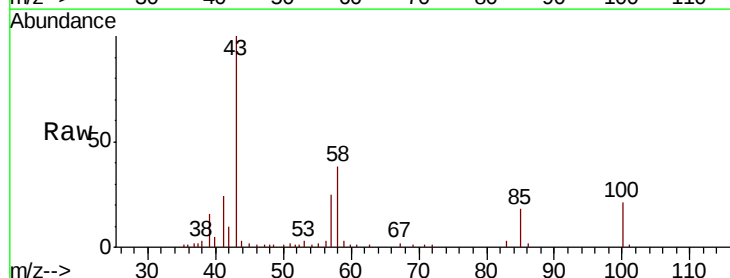
Acq: 01 Aug 2019 14:58

Tgt Ion: 43 Resp: 10954

Ion Ratio Lower Upper

43 100

58 38.9 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.63

6000

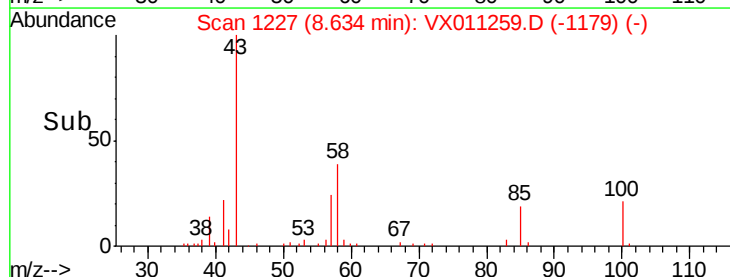
4000

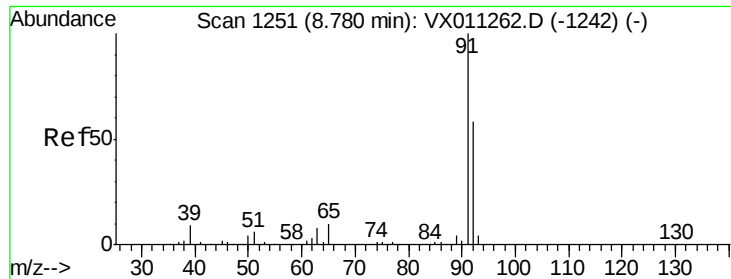
2000

0

8.55 8.60 8.65 8.70

Time-->





#52

Toluene

Concen: 1.012 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

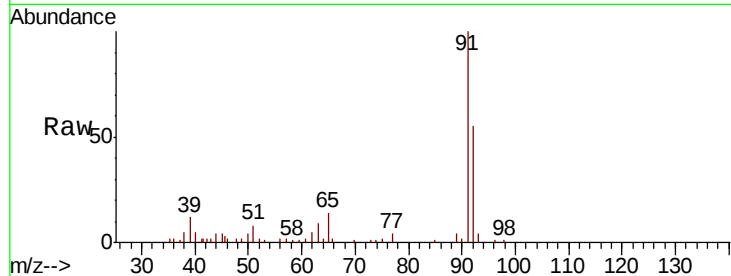
VSTDIC001

Tot Ion: 92 Resp: 4554

Ion Ratio Lower Upper

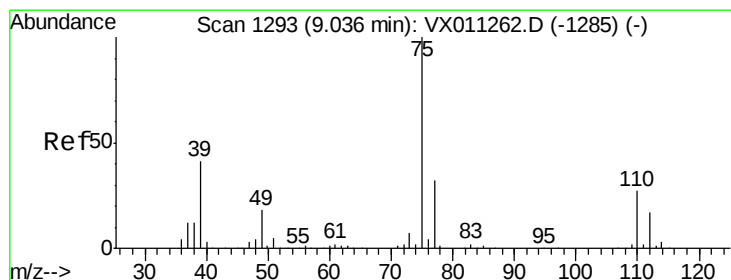
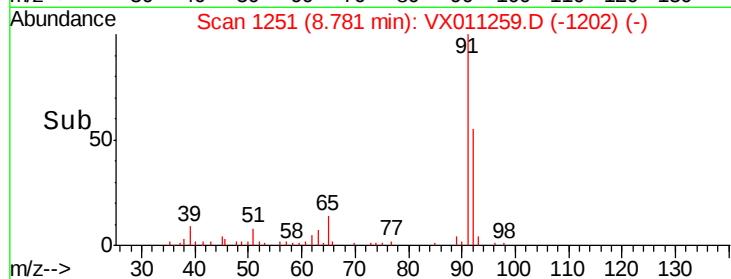
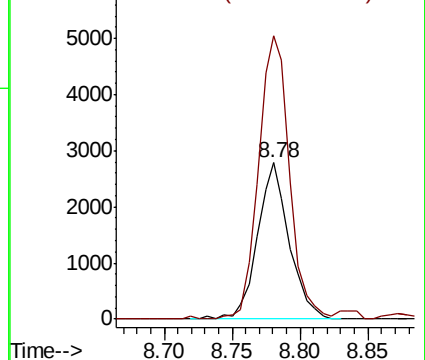
92 100

91 176.4 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.714 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011259.D

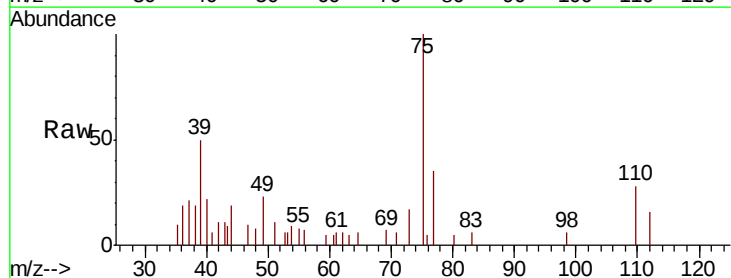
Acq: 01 Aug 2019 14:58

Tgt Ion: 75 Resp: 1690

Ion Ratio Lower Upper

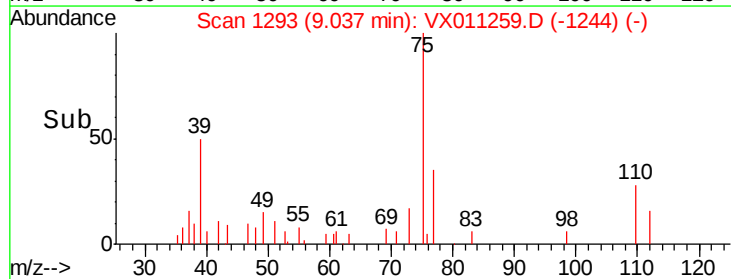
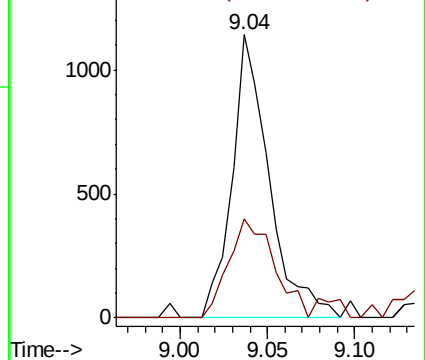
75 100

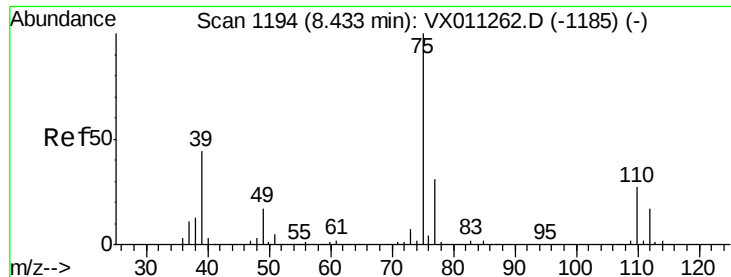
77 35.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



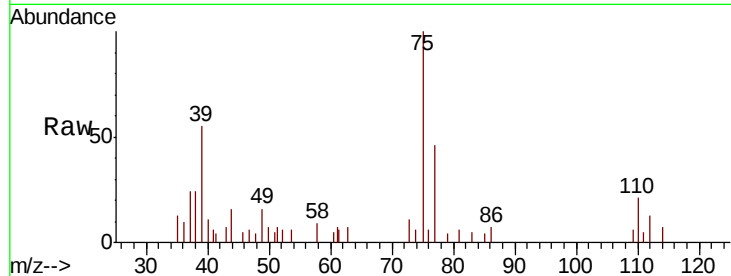


#54

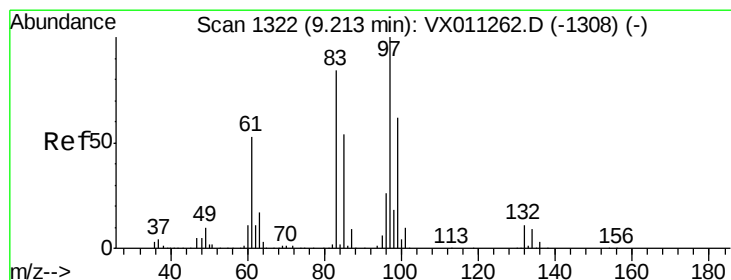
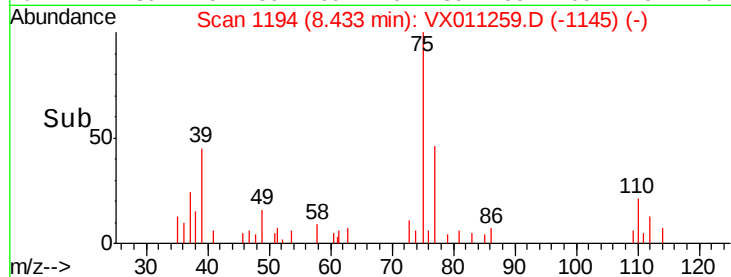
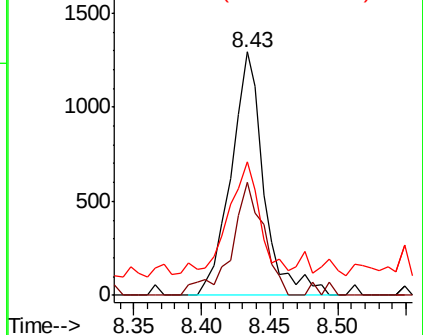
cis-1,3-Dichloropropene
Concen: 0.821 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 2167
Ion Ratio Lower Upper
75 100
77 46.4 25.0 37.6#
39 44.7 35.3 52.9



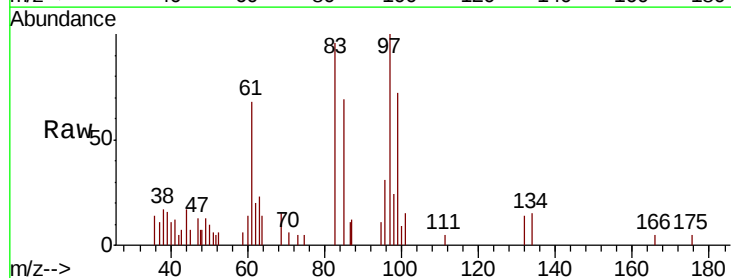
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



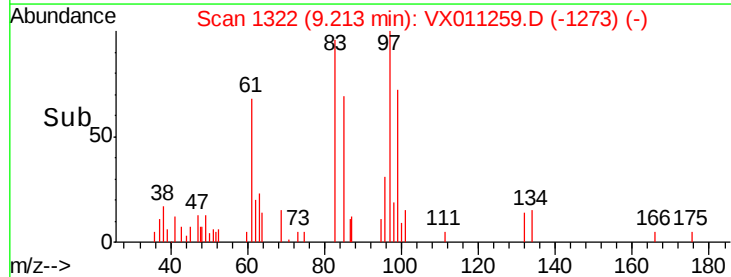
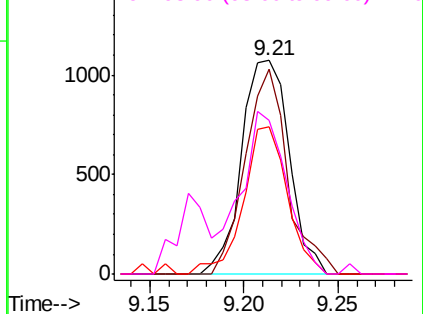
#55

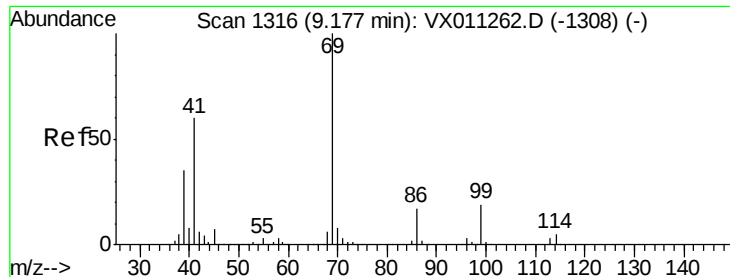
1,1,2-Trichloroethane
Concen: 1.015 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 97 Resp: 1881
Ion Ratio Lower Upper
97 100
83 96.2 67.6 101.4
85 68.9 43.4 65.0#
99 71.8 49.6 74.4



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: 0.870 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

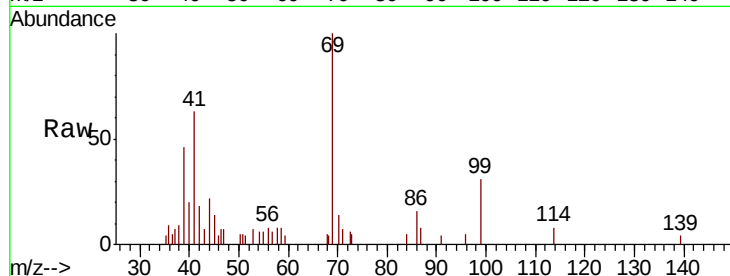
Tot Ion: 69 Resp: 2340

Ion Ratio Lower Upper

69 100

41 77.0 48.6 73.0#

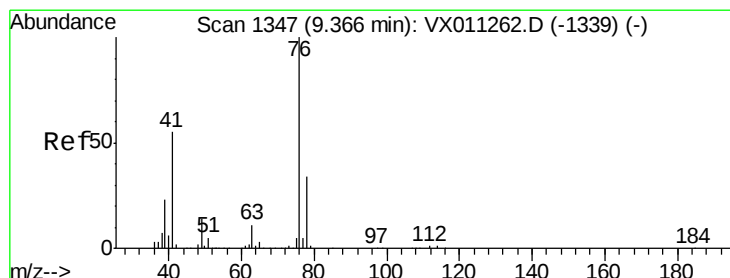
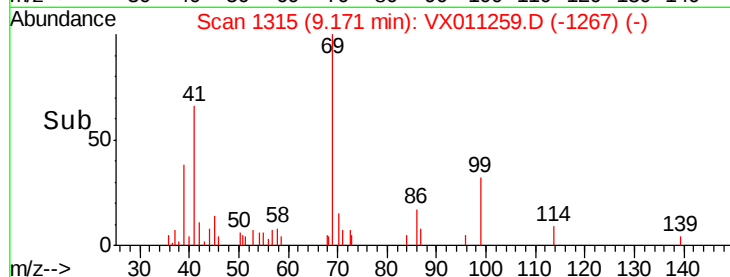
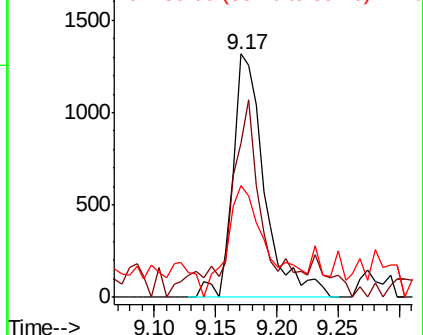
39 60.5 29.4 44.2#



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: 1.024 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011259.D

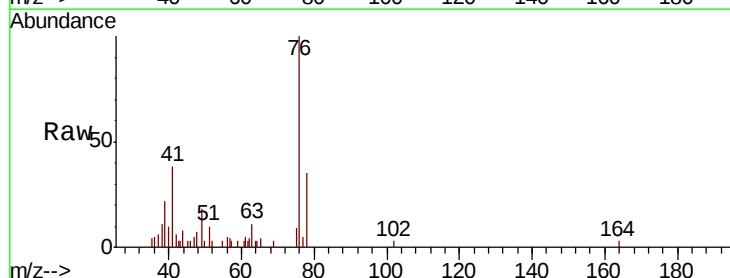
Acq: 01 Aug 2019 14:58

Tgt Ion: 76 Resp: 3001

Ion Ratio Lower Upper

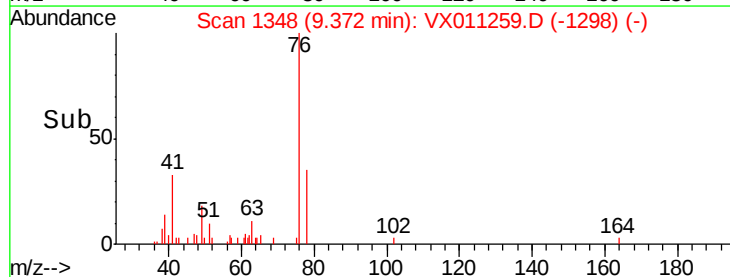
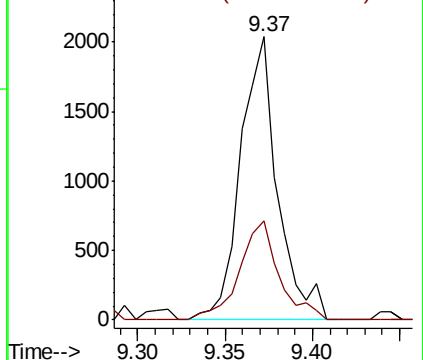
76 100

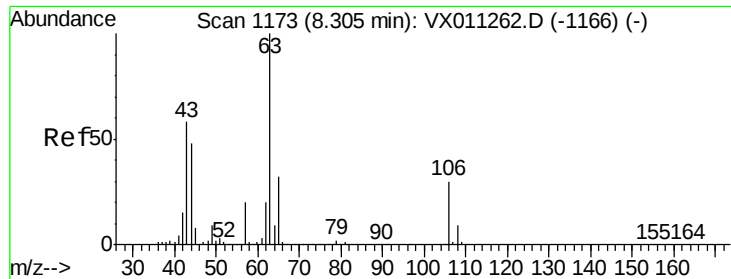
78 37.7 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

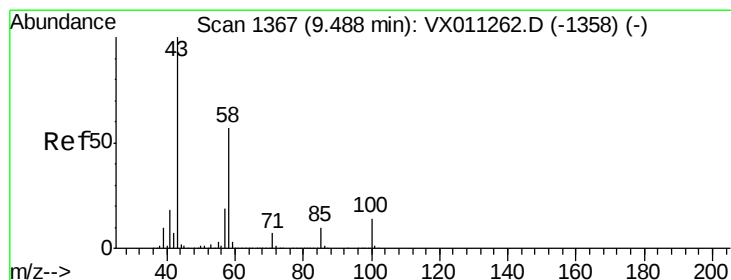
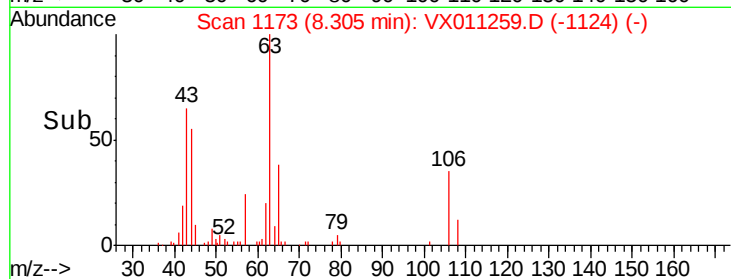
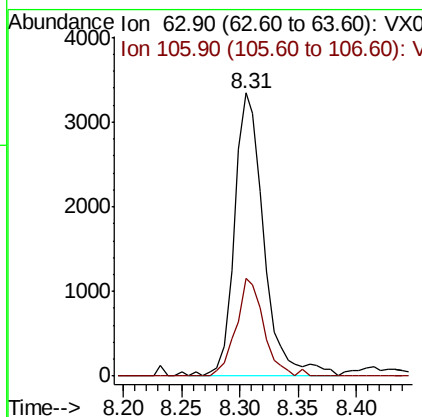
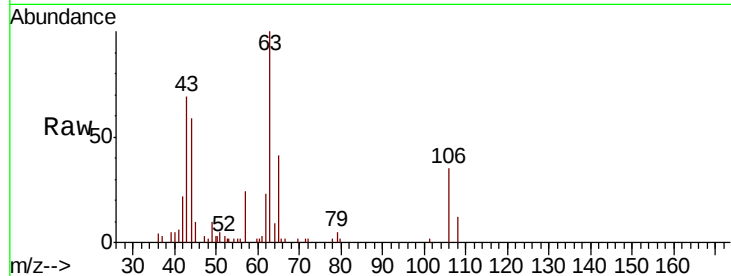




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.568 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

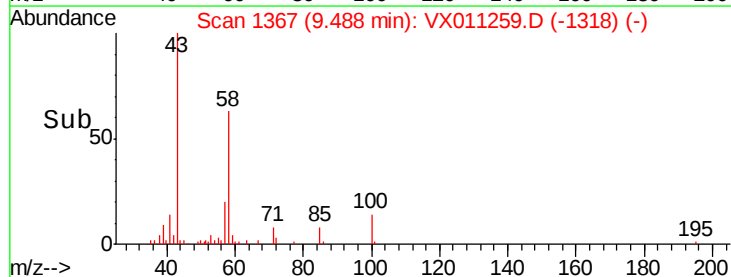
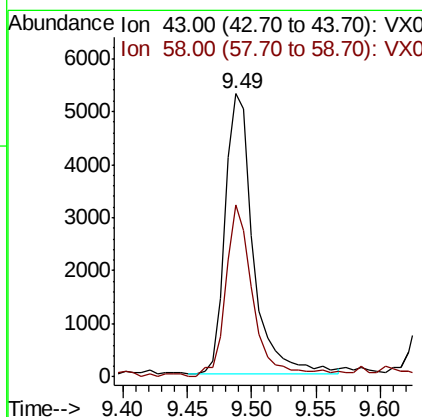
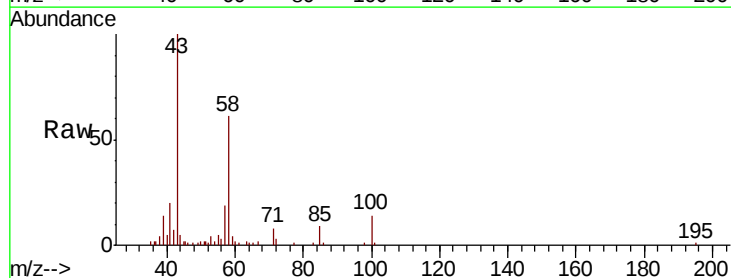
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

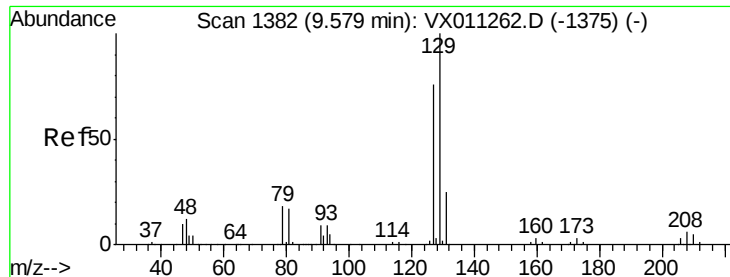
Tot Ion: 63 Resp: 5890
 Ion Ratio Lower Upper
 63 100
 106 32.5 24.4 36.6



#59
 2-Hexanone
 Concen: 4.281 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

Tgt Ion: 43 Resp: 8069
 Ion Ratio Lower Upper
 43 100
 58 61.1 28.2 84.6





#60

Dibromochloromethane

Concen: 0.904 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

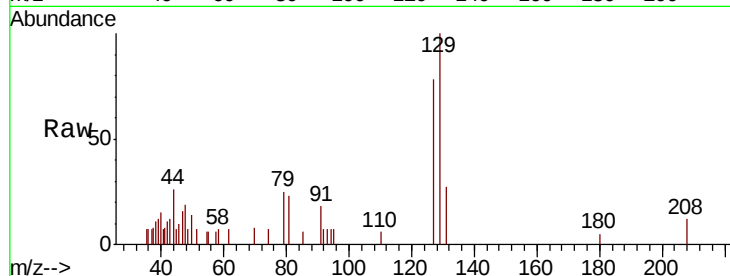
VSTDIC001

Tot Ion:129 Resp: 1691

Ion Ratio Lower Upper

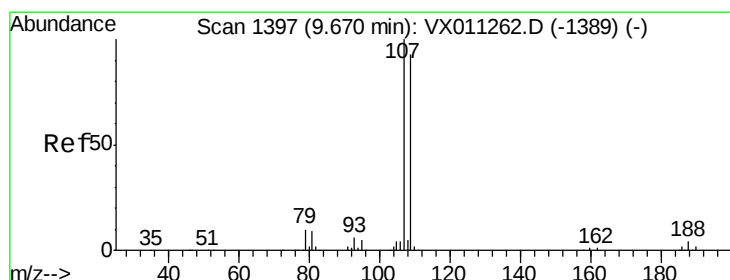
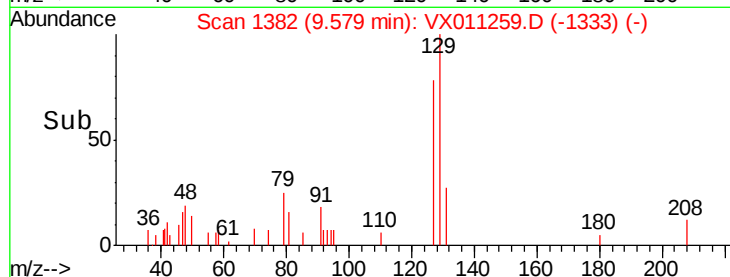
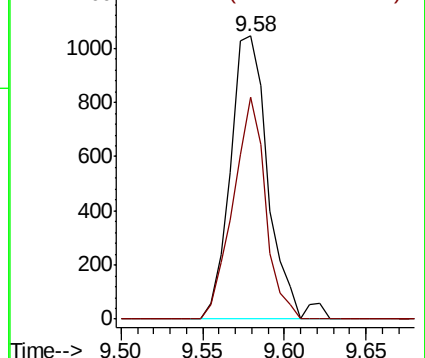
129 100

127 66.9 39.2 117.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.000 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011259.D

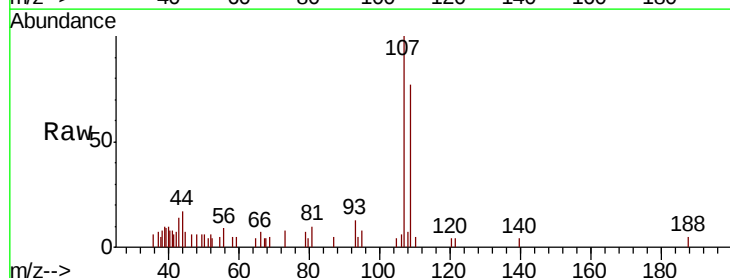
Acq: 01 Aug 2019 14:58

Tgt Ion:107 Resp: 1967

Ion Ratio Lower Upper

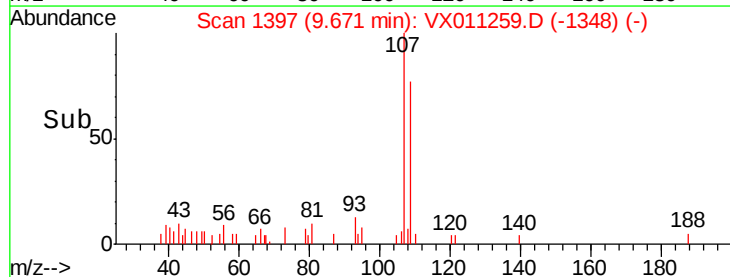
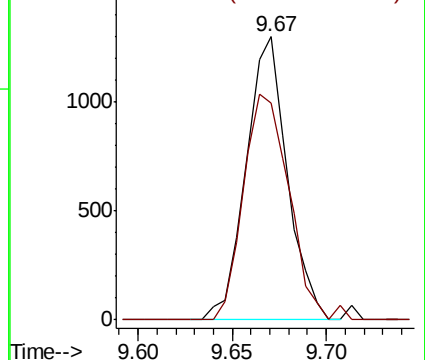
107 100

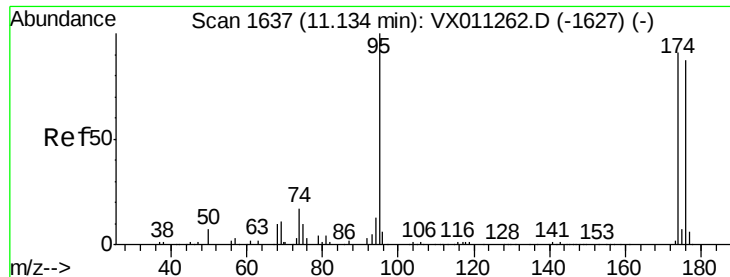
109 89.0 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

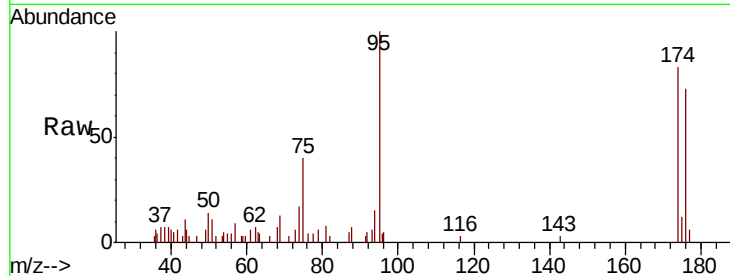




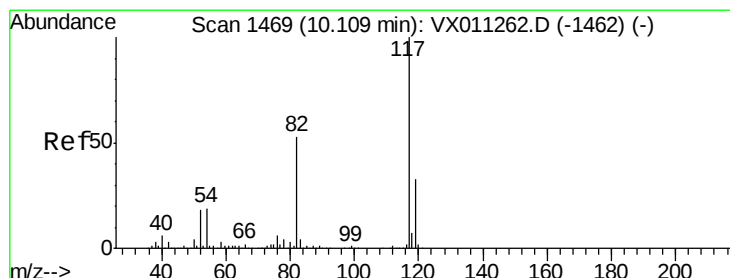
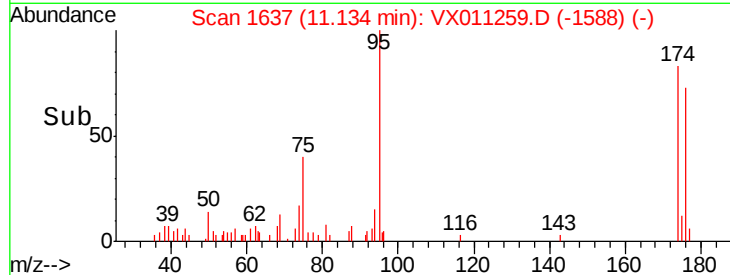
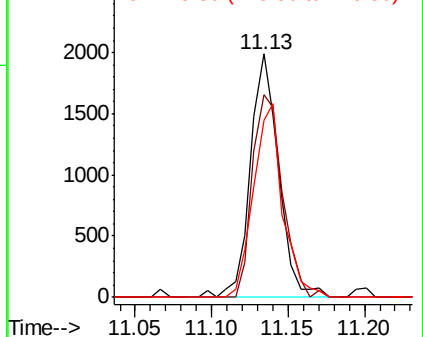
#62
4-Bromofluorobenzene
Concen: 1.091 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 95 Resp: 2554
Ion Ratio Lower Upper
95 100
174 88.3 0.0 191.2
176 82.4 0.0 184.8

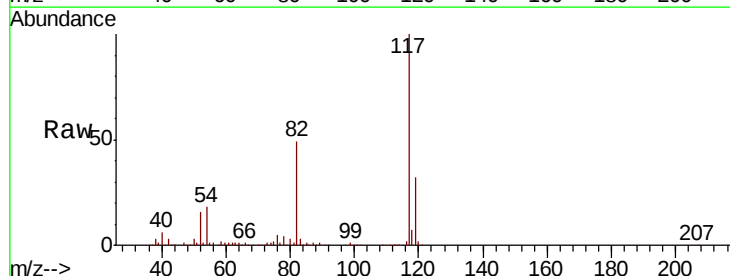


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

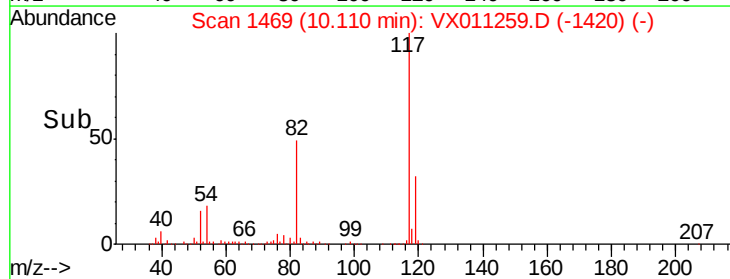
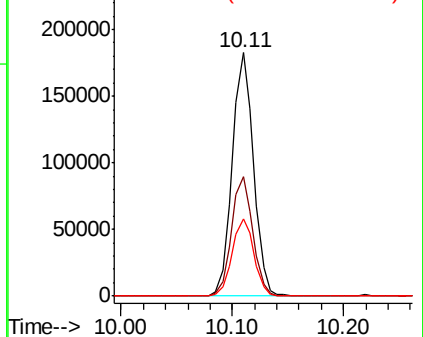


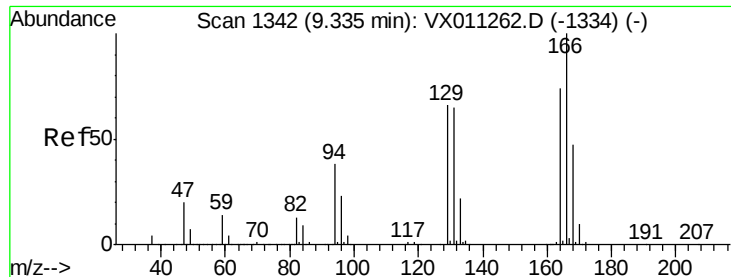
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 117 Resp: 240456
Ion Ratio Lower Upper
117 100
82 49.0 42.2 63.2
119 31.8 26.6 39.8



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

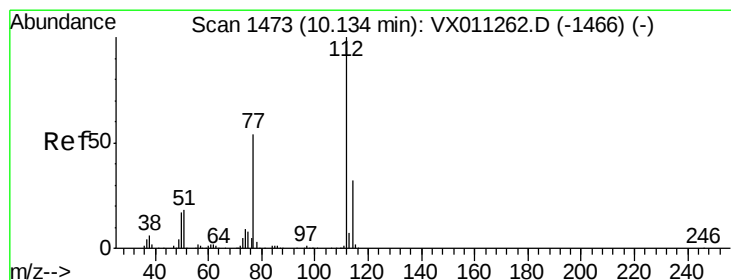
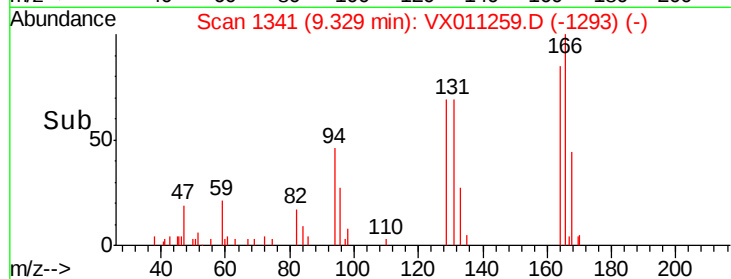
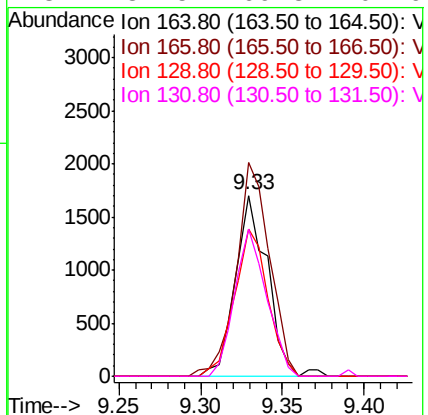
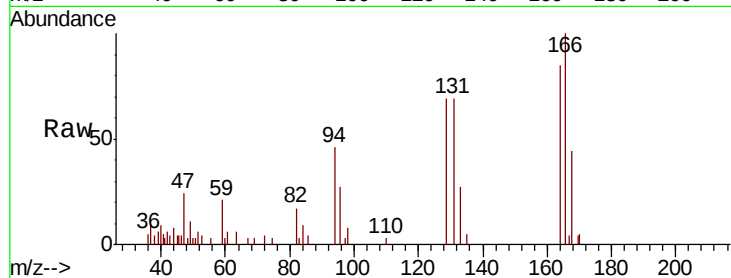




#64
Tetrachloroethene
Concen: 1.213 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

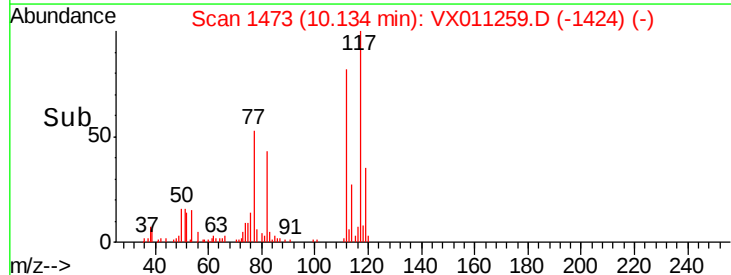
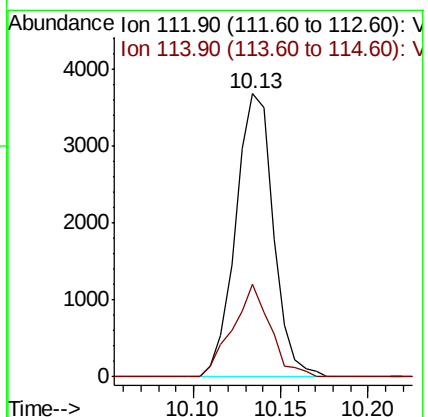
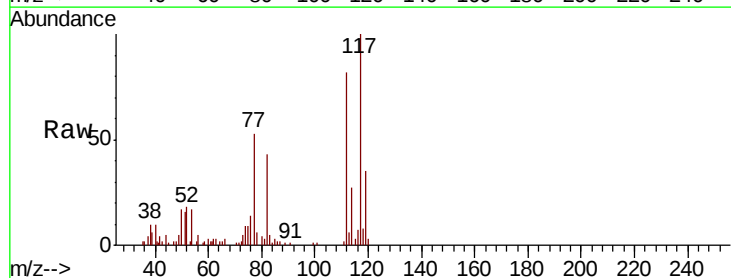
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

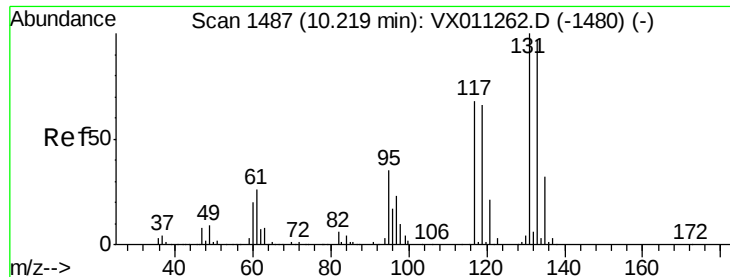
Tot Ion:164 Resp: 2333
Ion Ratio Lower Upper
164 100
166 118.2 107.5 161.3
129 81.1 71.0 106.4
131 81.5 69.8 104.6



#65
Chlorobenzene
Concen: 1.107 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion:112 Resp: 5543
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9

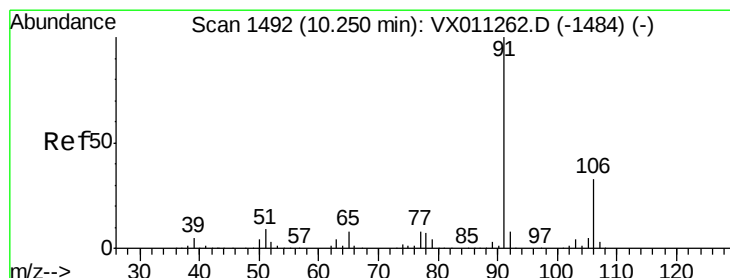
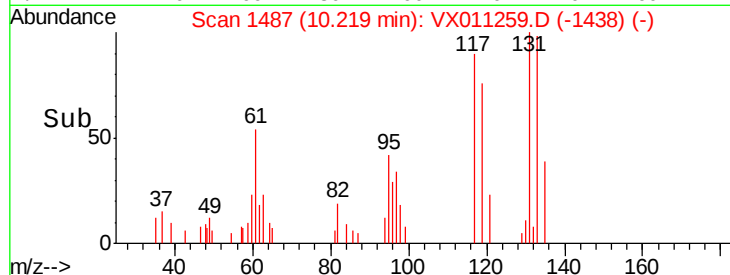
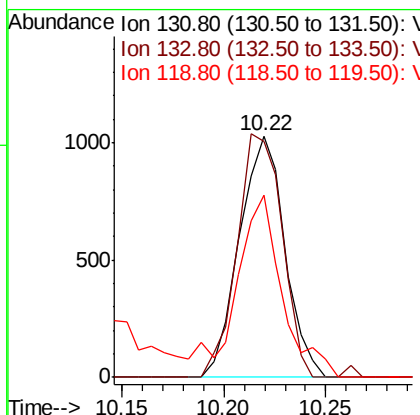
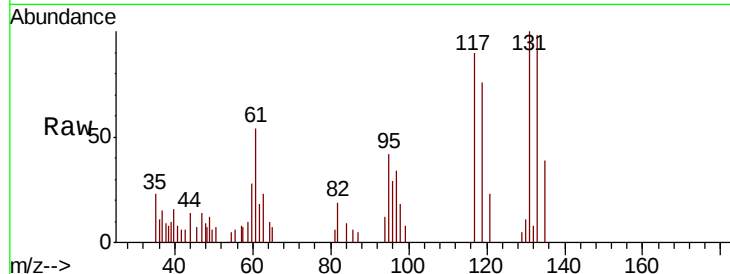




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.904 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

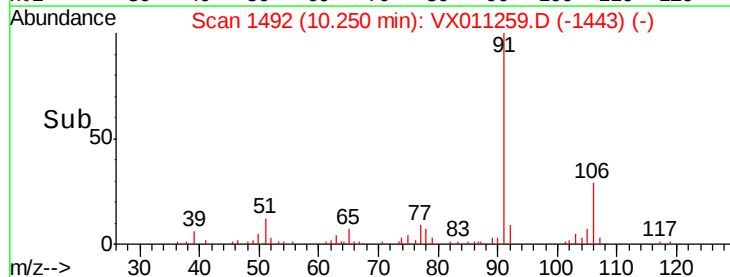
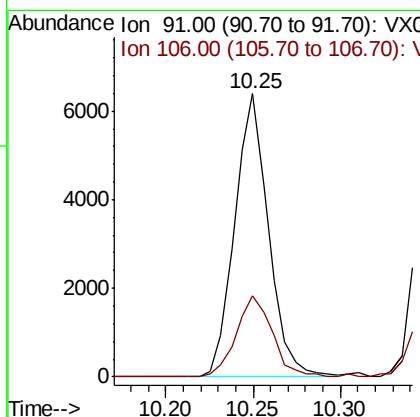
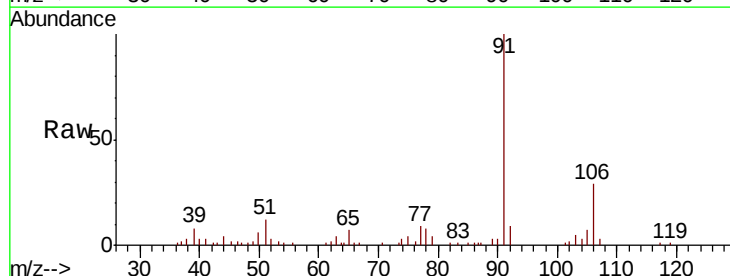
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

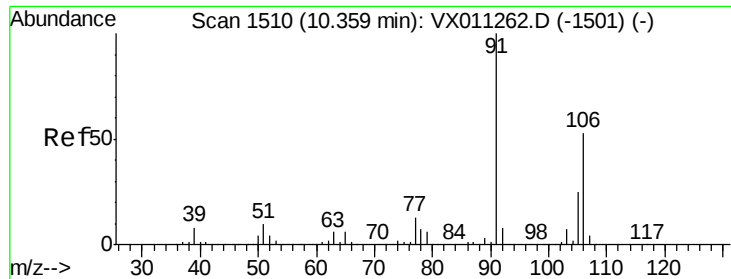
Tot Ion:131 Resp: 1586
 Ion Ratio Lower Upper
 131 100
 133 99.9 47.7 143.1
 119 0.0 32.8 98.3#



#67
 Ethyl Benzene
 Concen: 1.008 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

Tgt Ion: 91 Resp: 8561
 Ion Ratio Lower Upper
 91 100
 106 28.6 26.2 39.4

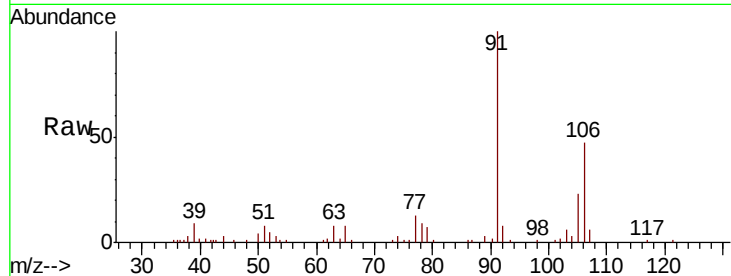




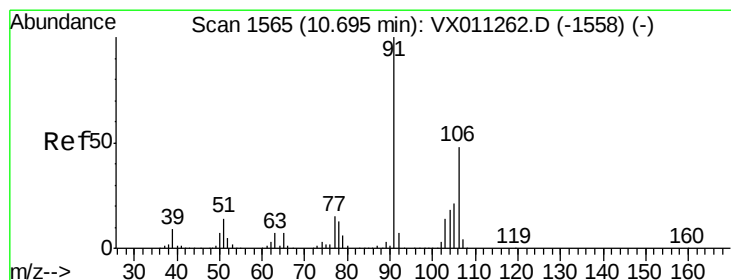
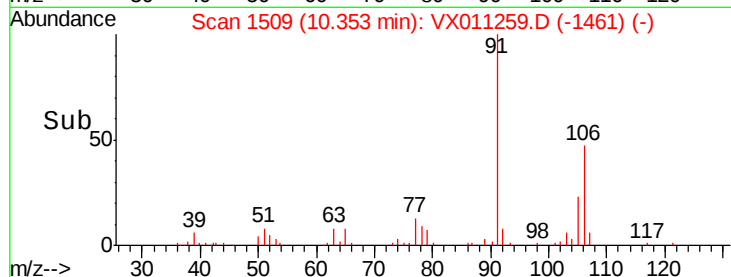
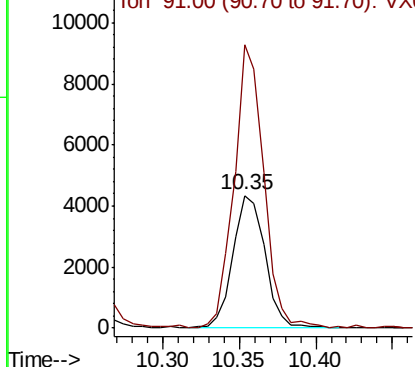
#68
m/p-Xylenes
Concen: 1.944 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 6370
Ion Ratio Lower Upper
106 100
91 195.6 155.9 233.9

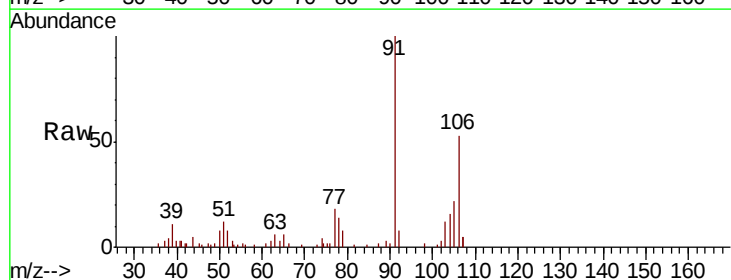


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

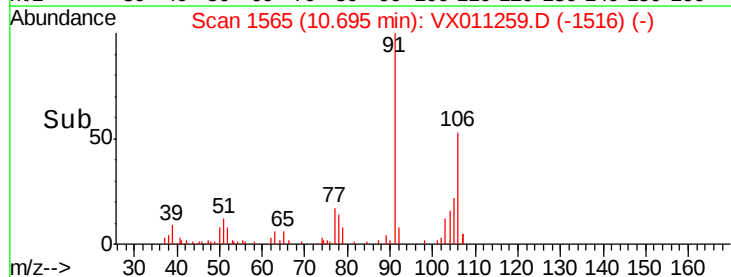
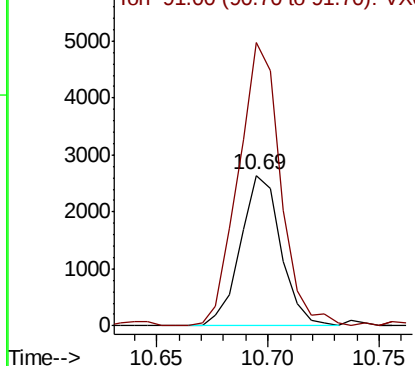


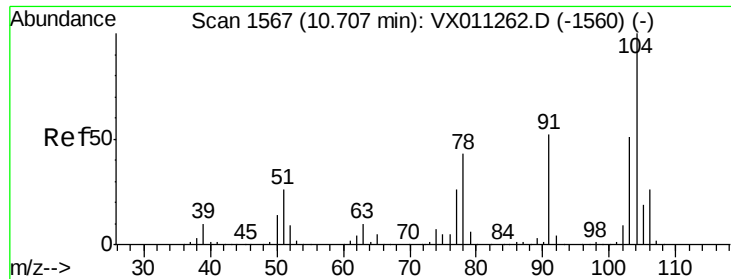
#69
o-Xylene
Concen: 1.050 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion:106 Resp: 3345
Ion Ratio Lower Upper
106 100
91 196.2 103.8 311.3



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

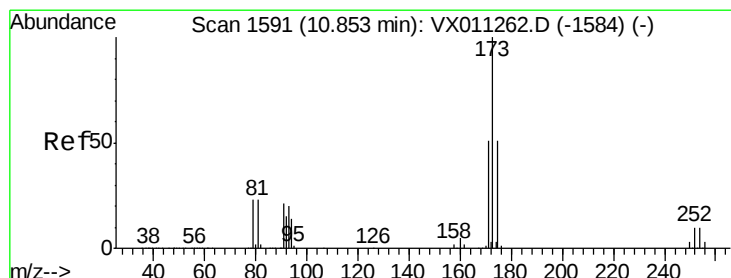
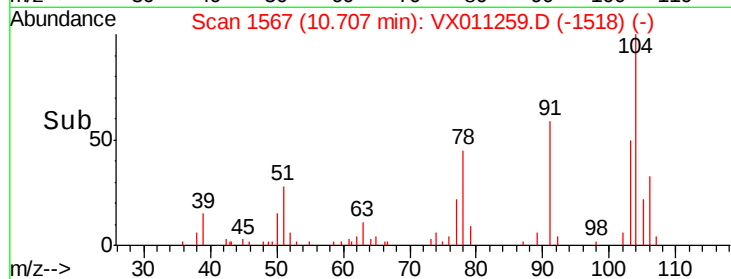
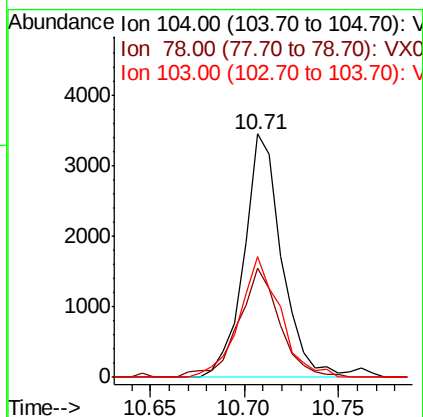
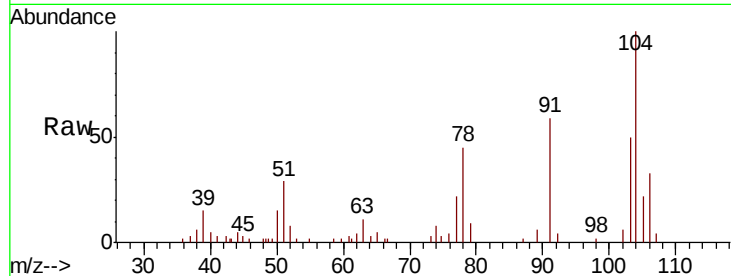




#70
Stvrene
Concen: 0.899 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

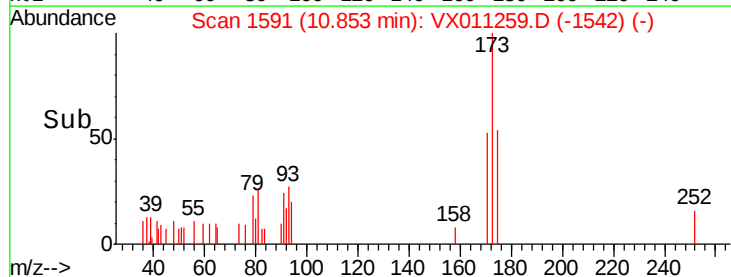
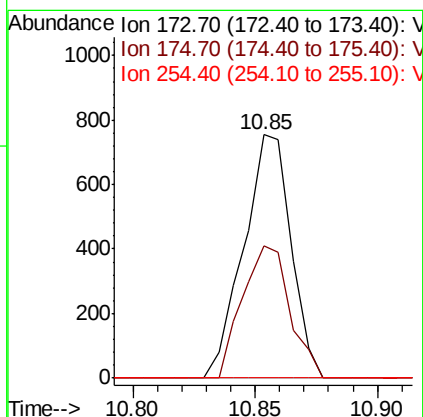
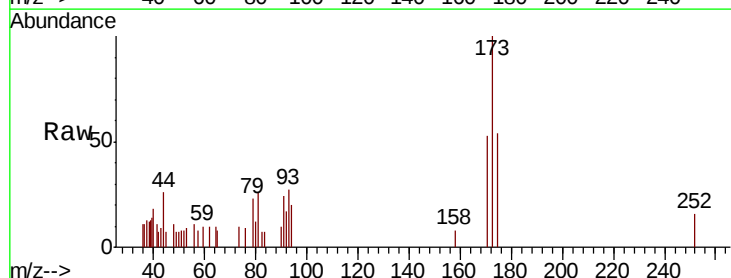
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

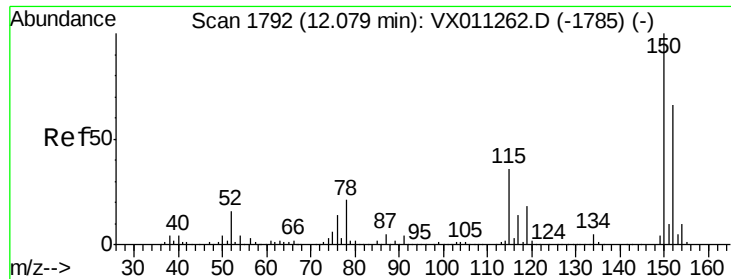
Tot Ion:104 Resp: 4785
Ion Ratio Lower Upper
104 100
78 49.3 36.9 55.3
103 54.0 44.4 66.6



#71
Bromoform
Concen: 0.725 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion:173 Resp: 1014
Ion Ratio Lower Upper
173 100
175 54.6 24.4 73.4
254 0.0 0.2 0.2#



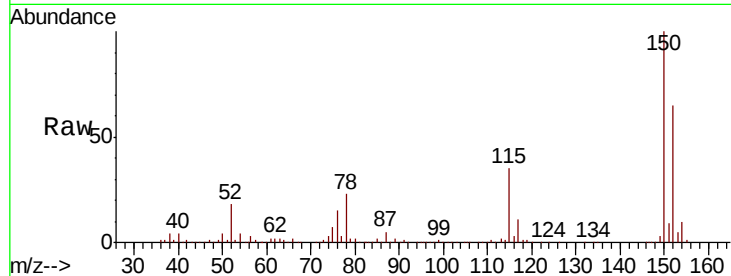


#72

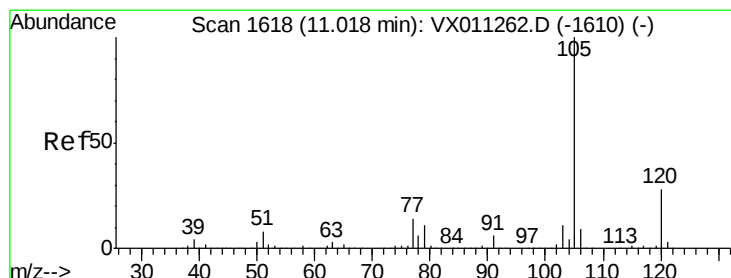
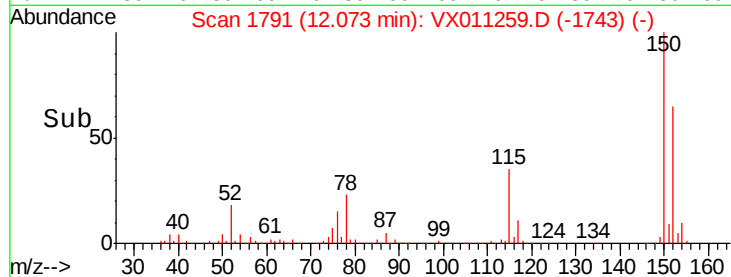
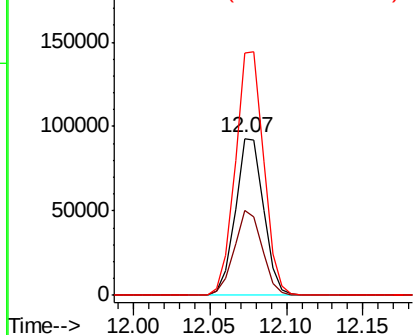
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:152 Resp: 119050
Ion Ratio Lower Upper
152 100
115 53.6 40.0 119.9
150 155.9 0.0 350.4



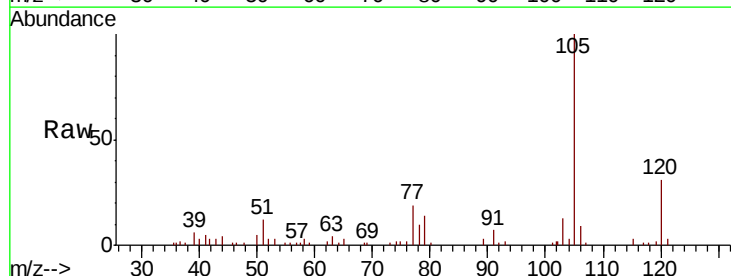
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



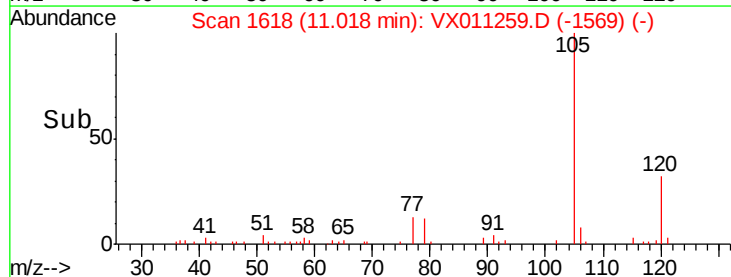
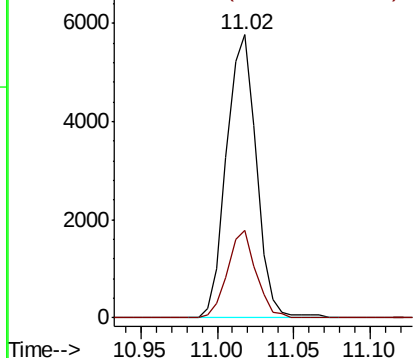
#73

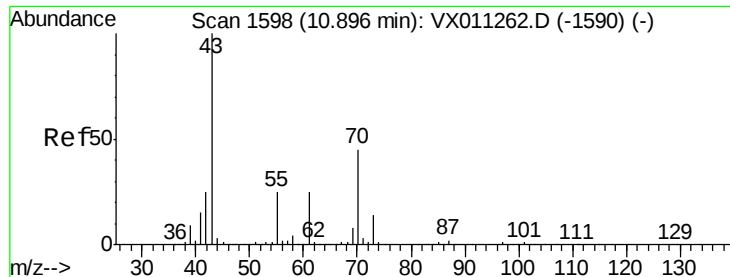
Isopropylbenzene
Concen: 0.962 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion:105 Resp: 7814
Ion Ratio Lower Upper
105 100
120 29.4 13.7 41.1



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





#74

N-amvl acetate

Concen: 0.835 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 2578

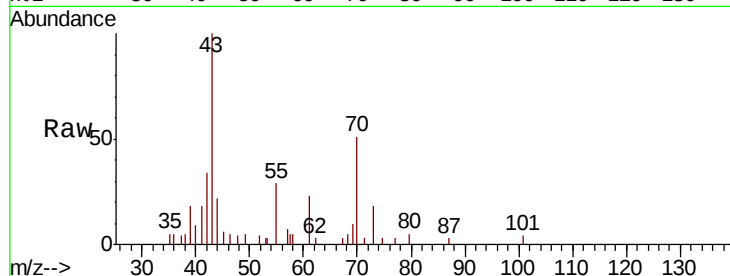
Ion Ratio Lower Upper

43 100

70 54.1 35.9 53.9#

55 30.2 19.8 29.6#

61 30.6 19.7 29.5#

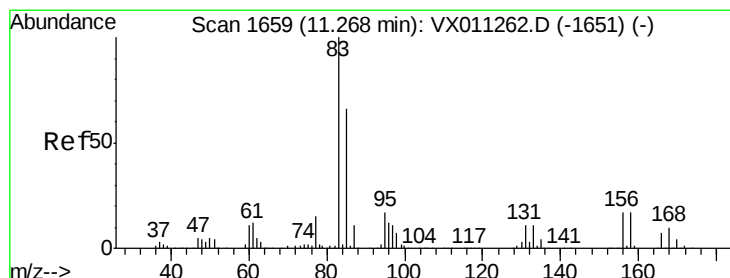
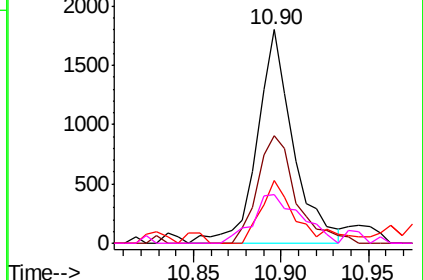
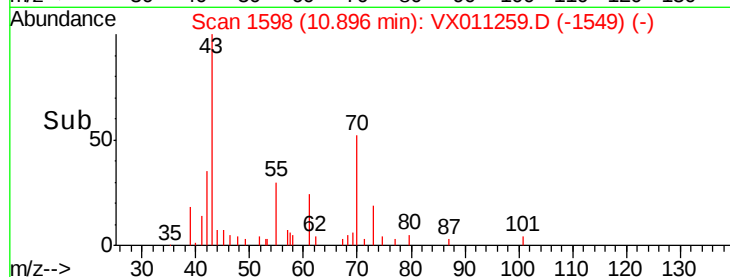


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 1.052 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

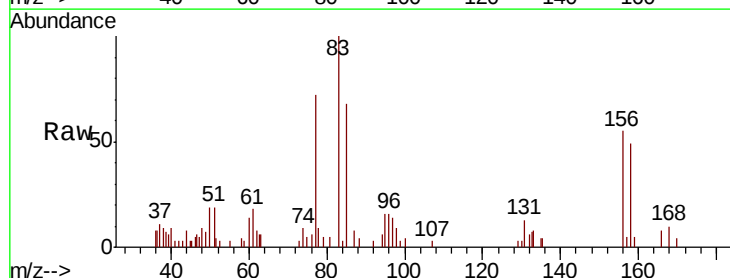
Tgt Ion: 83 Resp: 2800

Ion Ratio Lower Upper

83 100

131 16.4 5.6 16.8

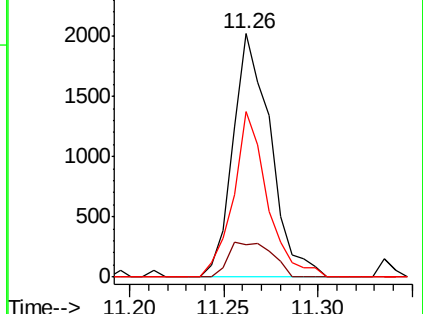
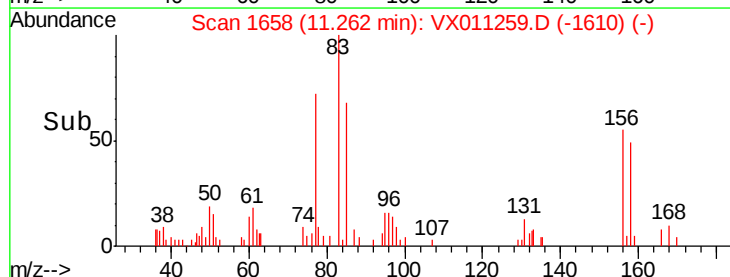
85 61.4 32.1 96.5

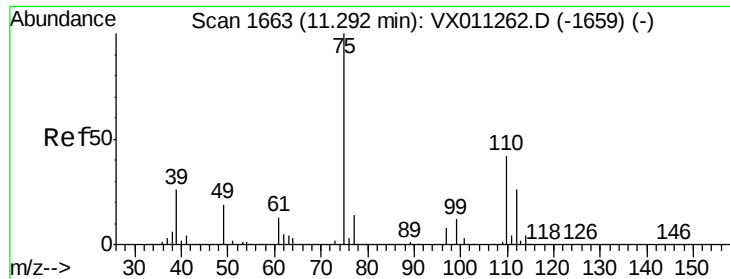


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

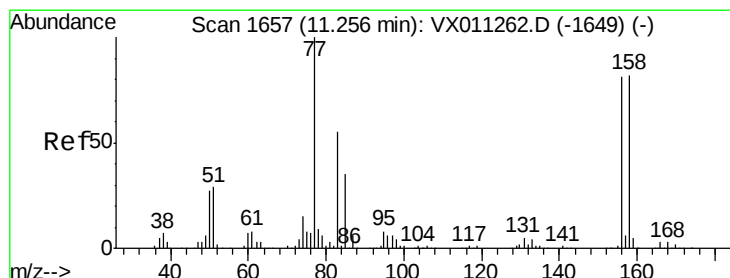
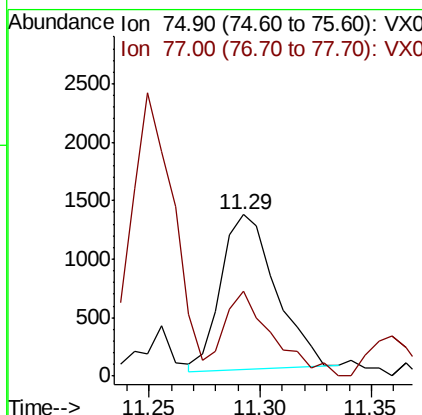
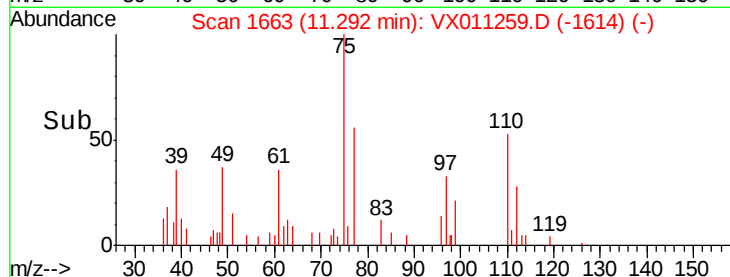
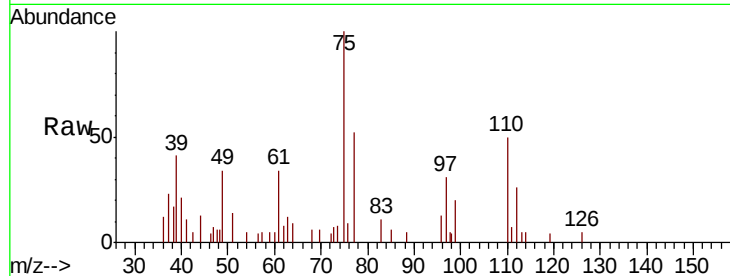




#76
1,2,3-Trichloropropane
Concen: 1.048 ug/l
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

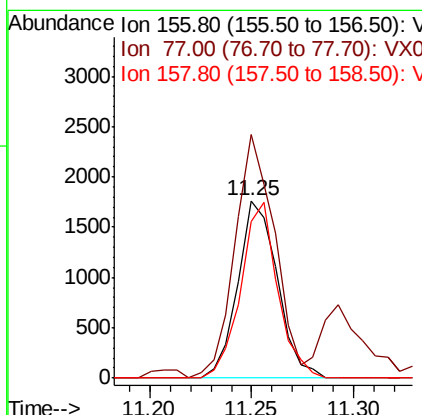
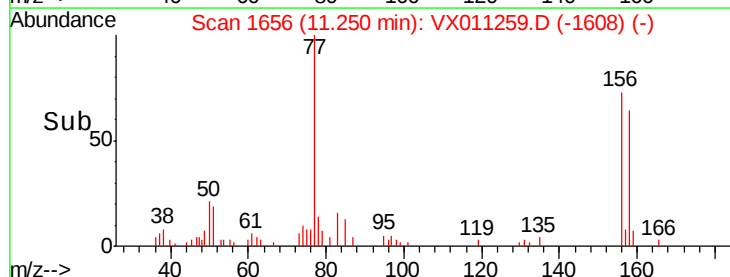
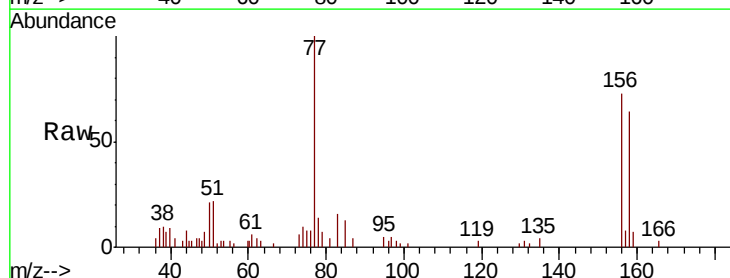
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

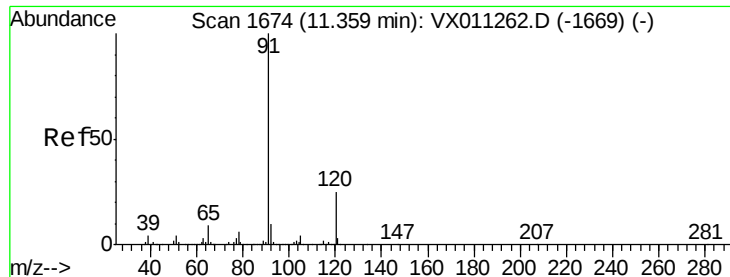
Tot Ion: 75 Resp: 2273
Ion Ratio Lower Upper
75 100
77 48.2 21.1 63.4



#77
Bromobenzene
Concen: 1.059 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.01 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 156 Resp: 2376
Ion Ratio Lower Upper
156 100
77 137.5 66.2 198.6
158 92.3 49.1 147.3





#78

n-propylbenzene

Concen: 0.937 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampled :

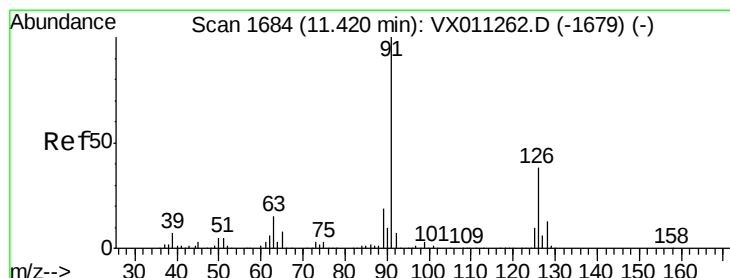
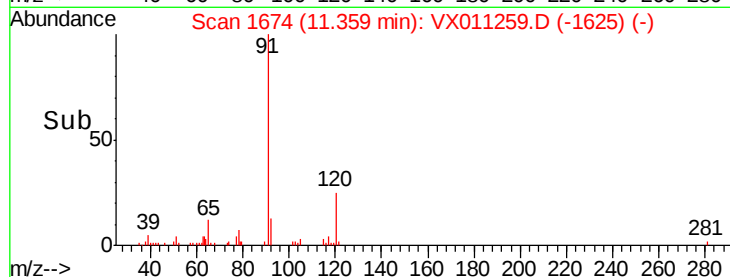
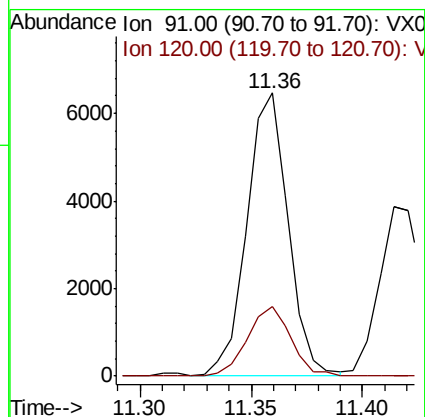
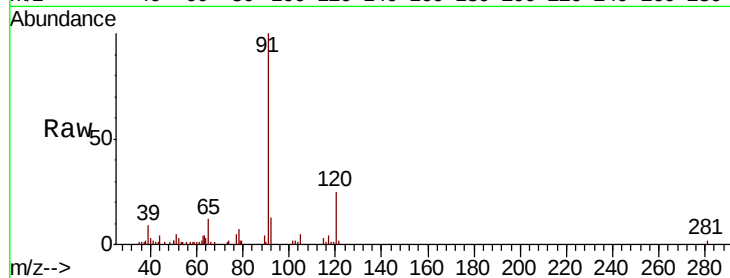
VSTDIC001

Tot Ion: 91 Resp: 8402

Ion Ratio Lower Upper

91 100

120 25.7 12.4 37.0



#79

2-Chlorotoluene

Concen: 1.039 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011259.D

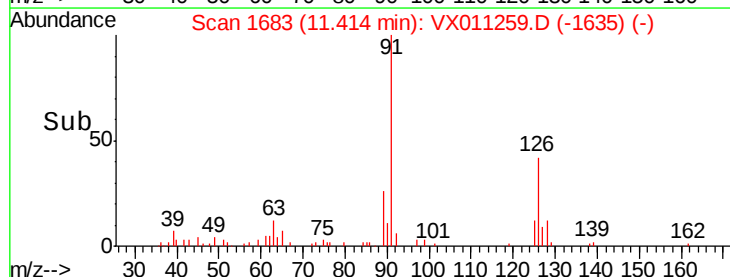
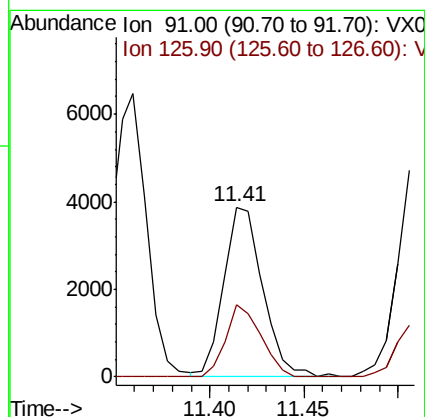
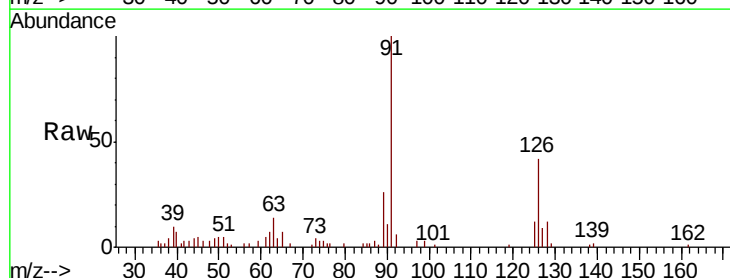
Acq: 01 Aug 2019 14:58

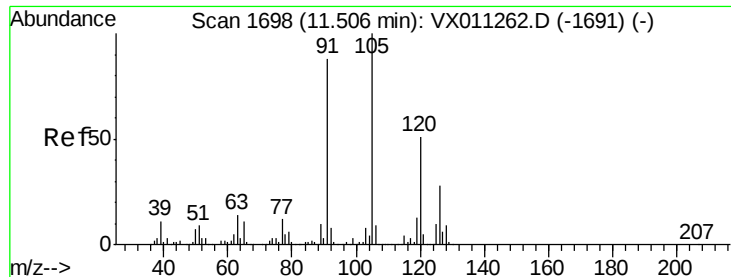
Tgt Ion: 91 Resp: 5586

Ion Ratio Lower Upper

91 100

126 38.3 18.5 55.5





#80

1,3,5-Trimethylbenzene

Concen: 0.968 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

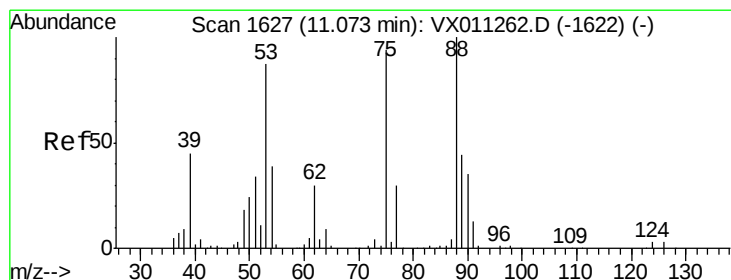
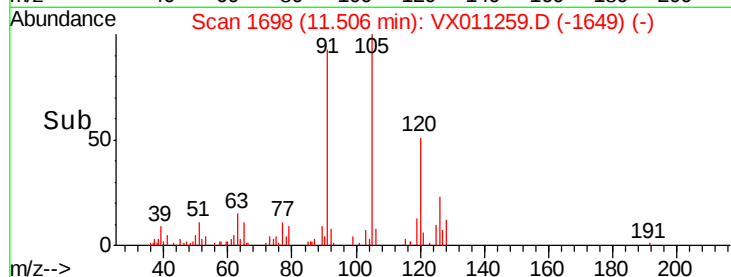
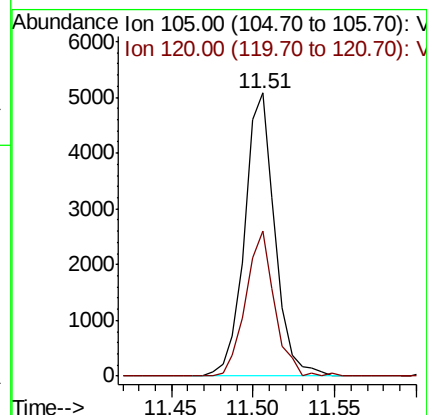
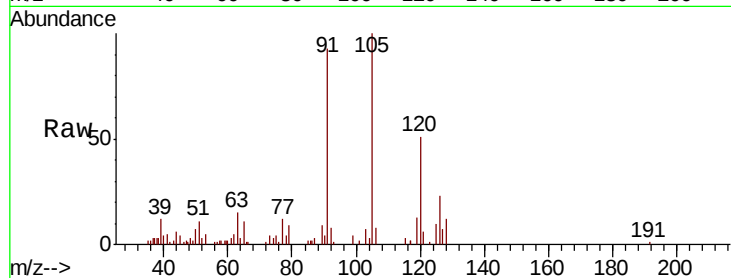
VSTDIC001

Tot Ion:105 Resp: 6548

Ion Ratio Lower Upper

105 100

120 48.8 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 0.680 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

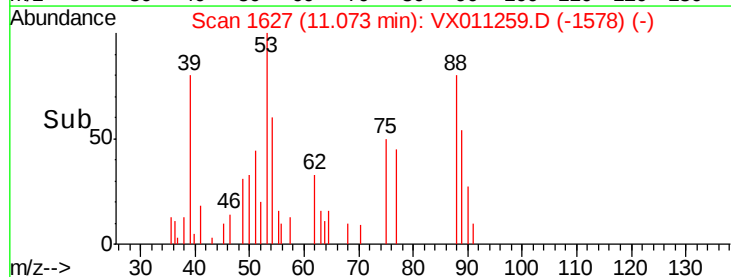
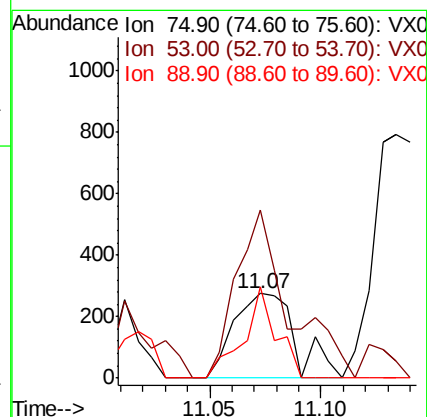
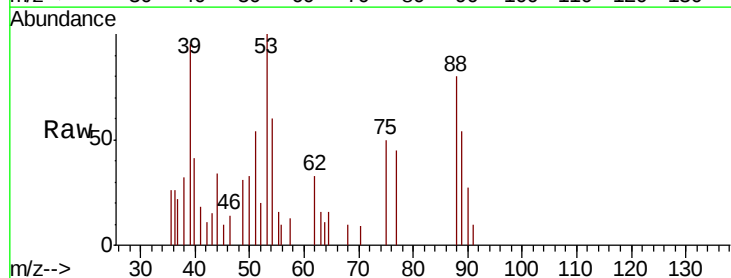
Tgt Ion: 75 Resp: 532

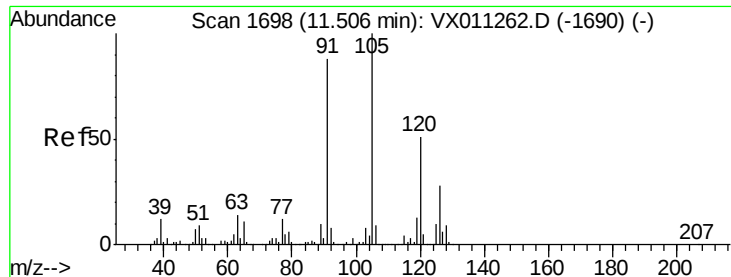
Ion Ratio Lower Upper

75 100

53 169.5 78.2 117.4#

89 56.8 37.9 56.9

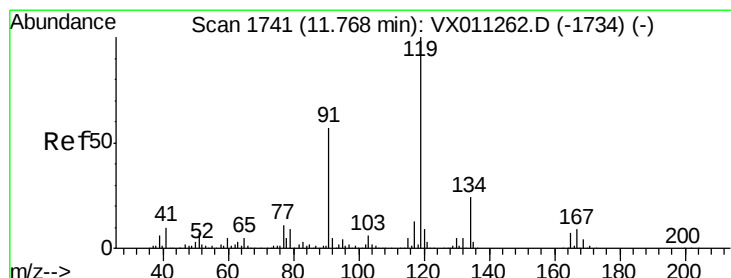
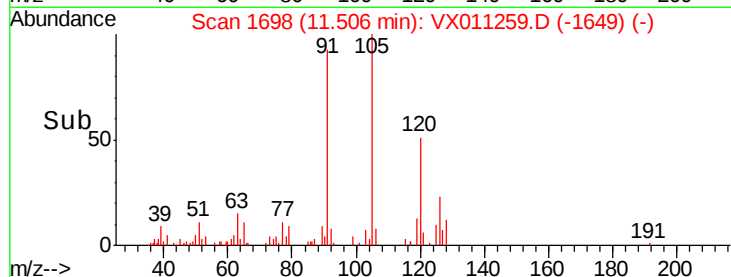
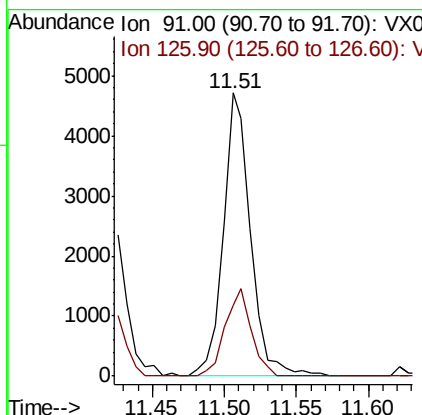
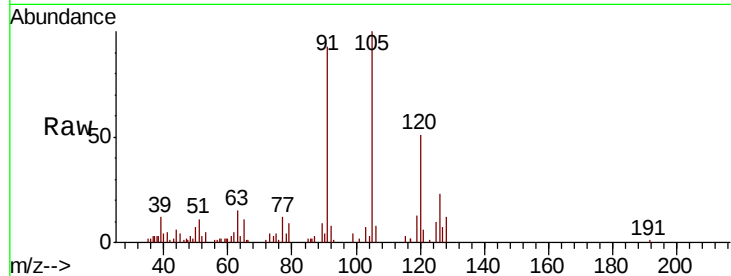




#82
4-Chlorotoluene
Concen: 1.005 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

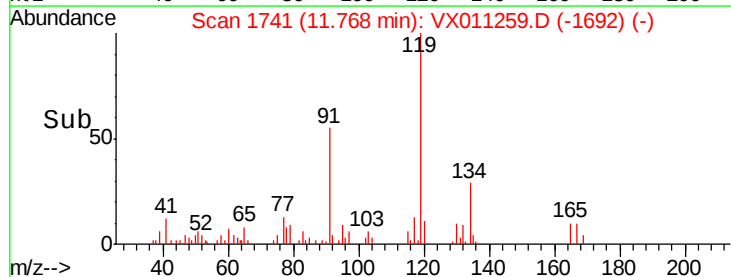
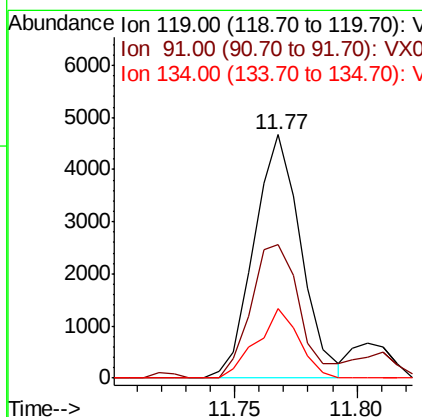
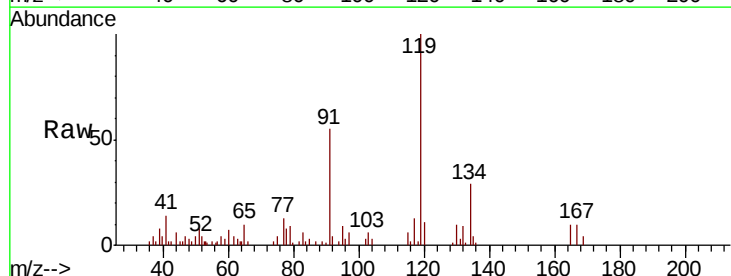
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

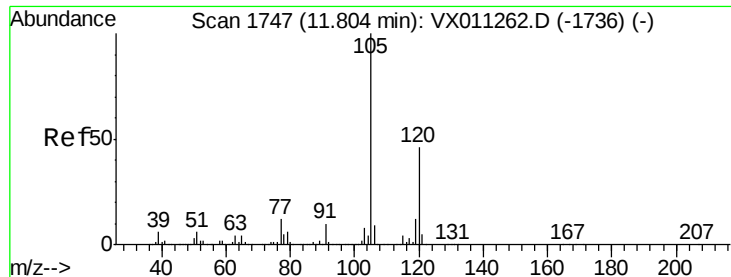
Tot Ion: 91 Resp: 6297
Ion Ratio Lower Upper
91 100
126 29.5 16.4 49.2



#83
tert-Butylbenzene
Concen: 0.938 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011259.D
Acq: 01 Aug 2019 14:58

Tgt Ion: 119 Resp: 6247
Ion Ratio Lower Upper
119 100
91 57.3 28.0 84.0
134 25.9 11.9 35.5

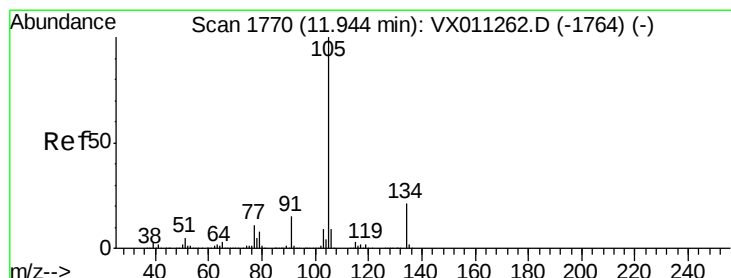
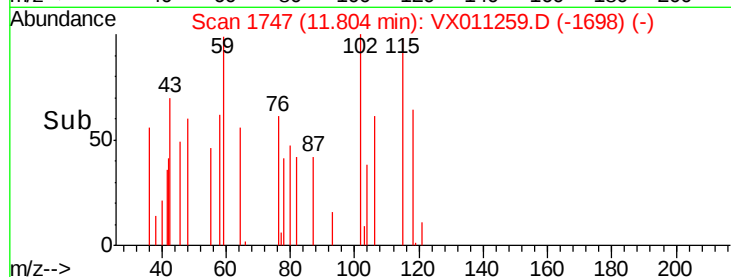
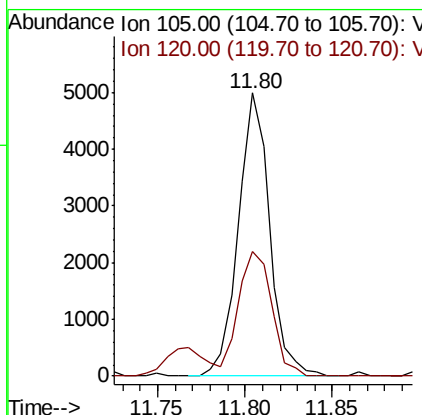
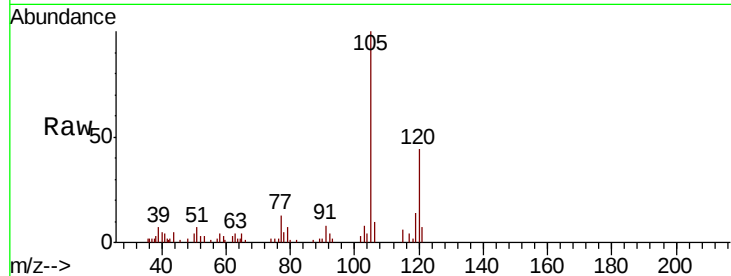




#84
 1,2,4-Trimethylbenzene
 Concen: 0.905 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

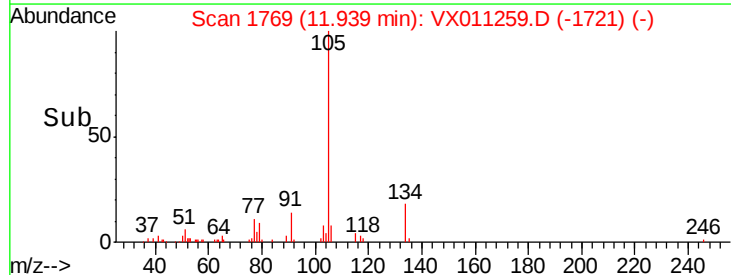
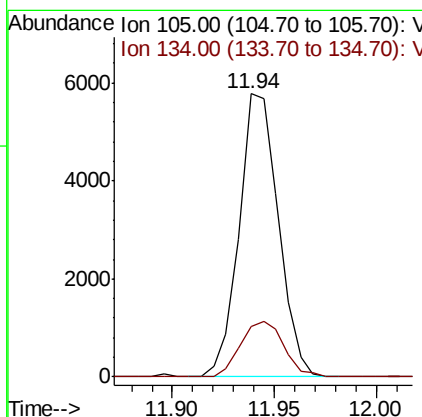
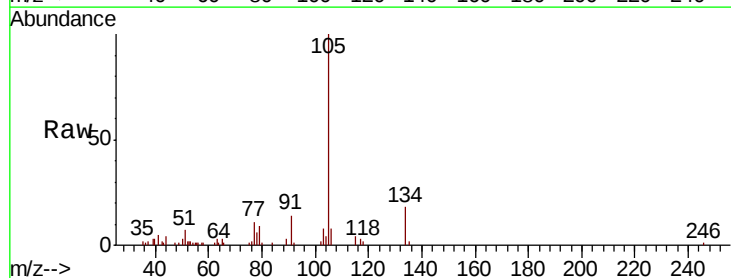
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

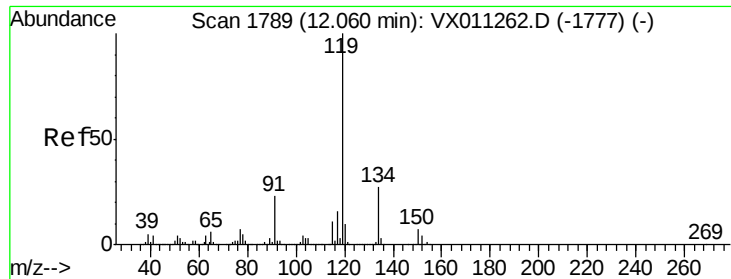
Tot Ion:105 Resp: 6188
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 0.986 ug/l
 RT: 11.94 min Scan# 1769
 Delta R.T. -0.01 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

Tgt Ion:105 Resp: 7712
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.4 31.4





#86

p-Isopropyltoluene

Concen: 0.943 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

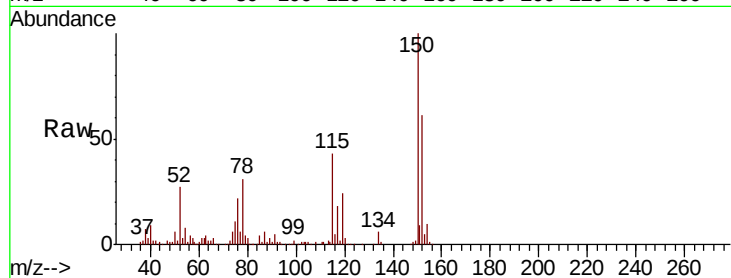
Tot Ion:119 Resp: 6820

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

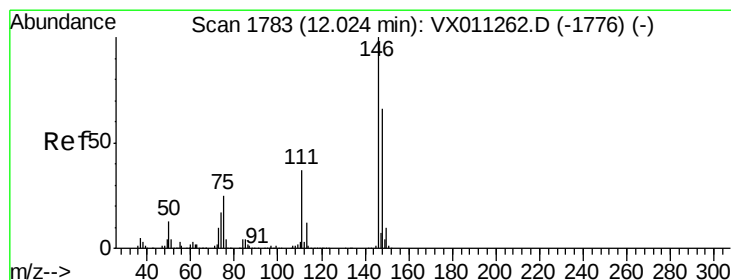
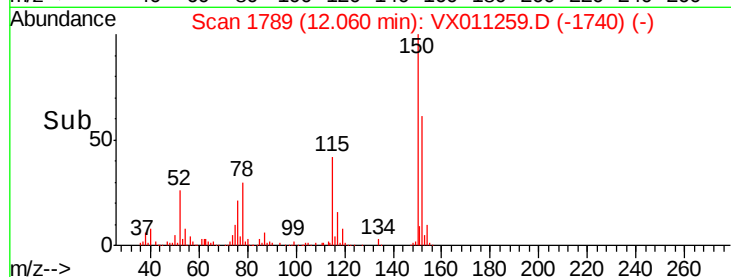
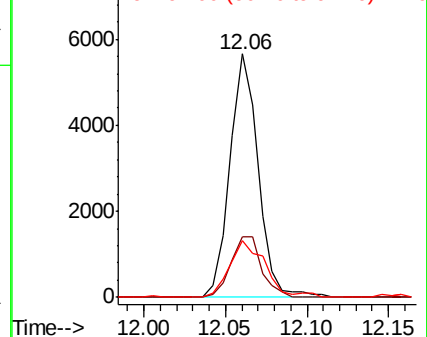
91 29.3 11.4 34.2



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): V



#87

1,3-Dichlorobenzene

Concen: 1.019 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

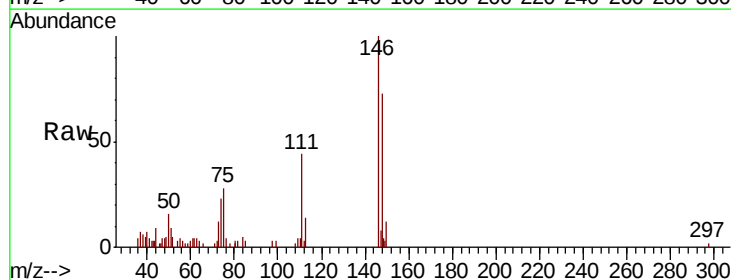
Tgt Ion:146 Resp: 3979

Ion Ratio Lower Upper

146 100

111 42.8 18.6 55.8

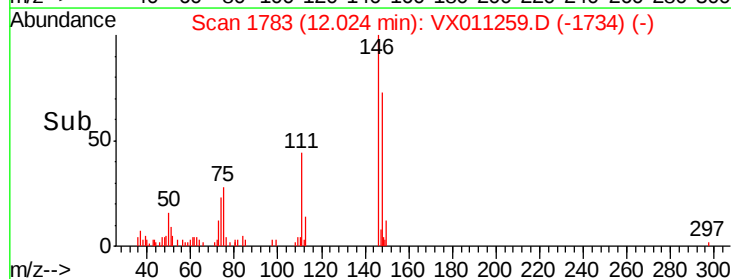
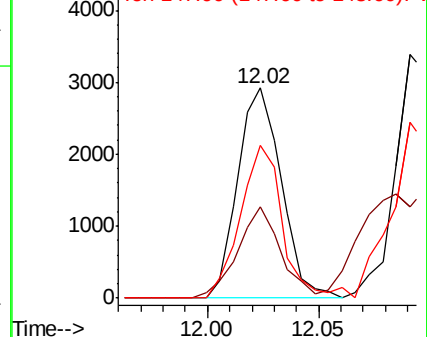
148 69.1 32.5 97.5

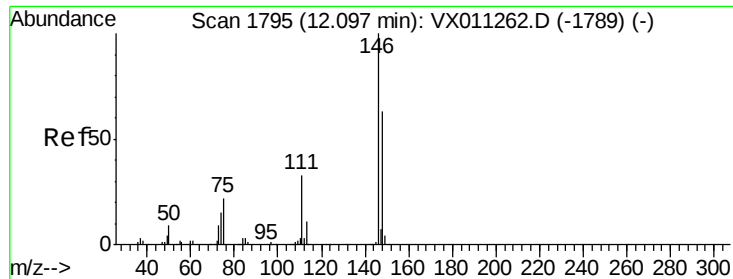


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

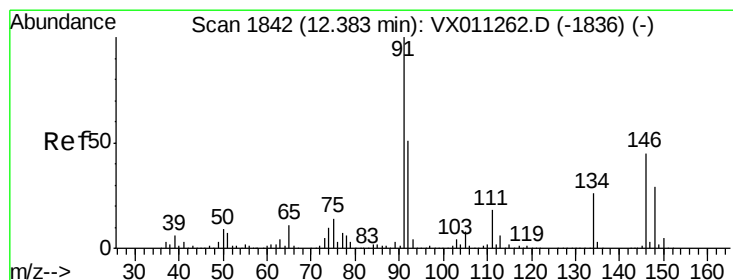
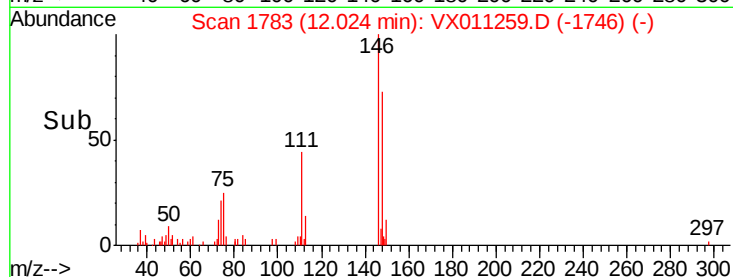
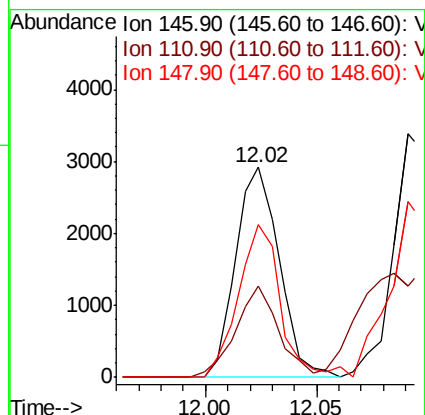
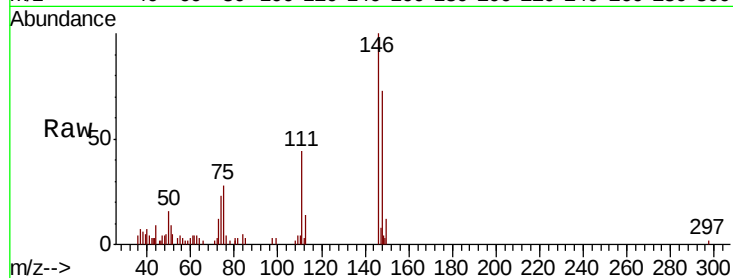




#88
 1,4-Dichlorobenzene
 Concen: 0.995 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

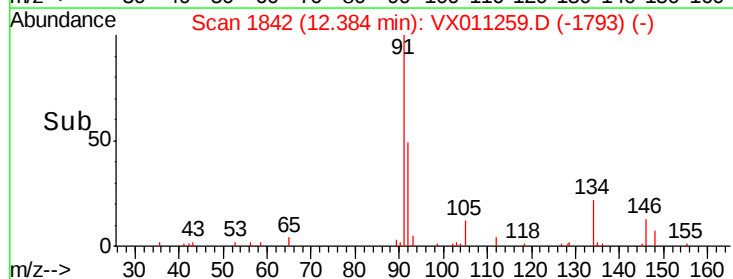
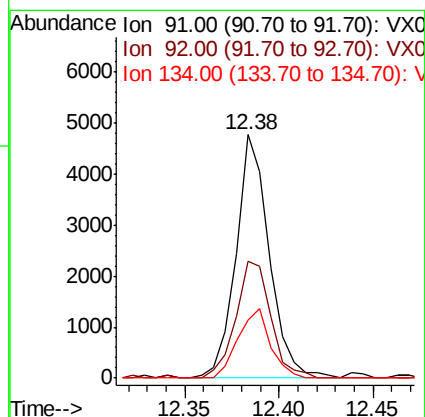
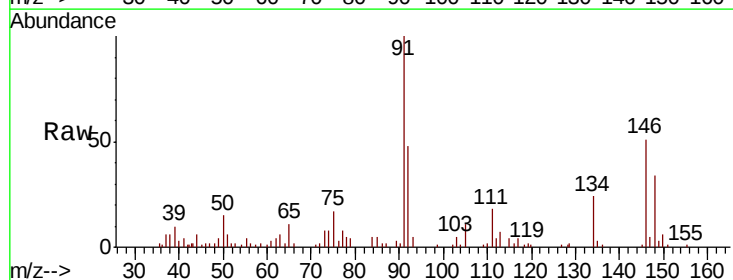
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

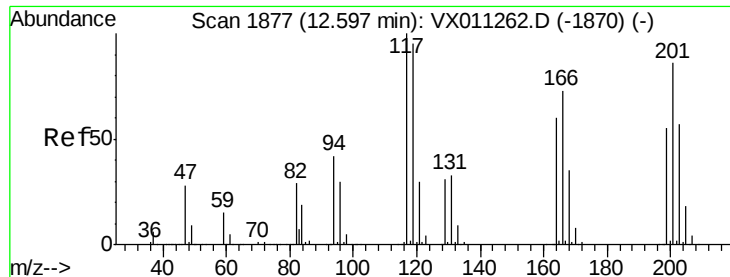
Tot Ion:146 Resp: 3979
 Ion Ratio Lower Upper
 146 100
 111 42.8 17.8 53.4
 148 69.1 31.8 95.3



#89
 n-Butylbenzene
 Concen: 0.945 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

Tgt Ion: 91 Resp: 5849
 Ion Ratio Lower Upper
 91 100
 92 50.7 25.8 77.3
 134 27.5 13.7 41.0





#90

Hexachloroethane

Concen: 0.778 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

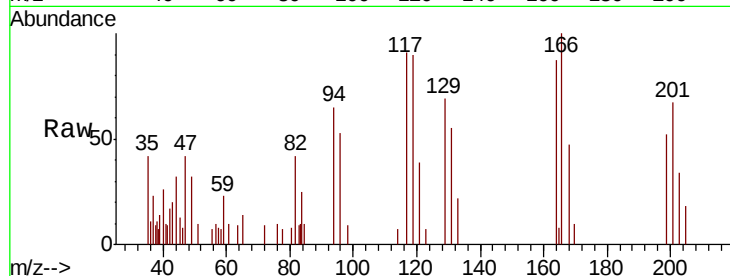
VSTDIC001

Tot Ion:117 Resp: 884

Ion Ratio Lower Upper

117 100

201 78.6 41.8 125.4

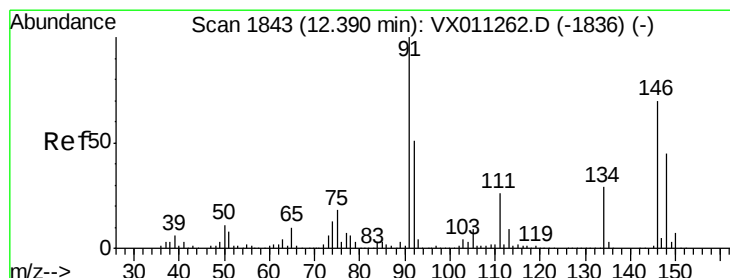
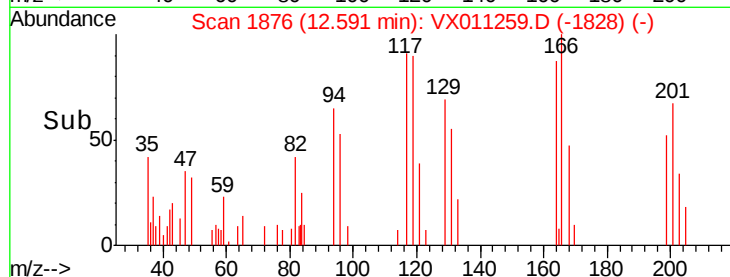


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.59

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.088 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

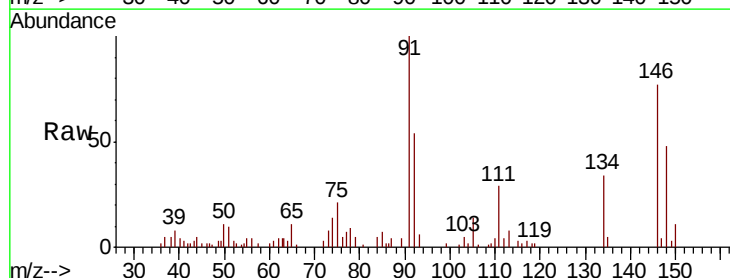
Tgt Ion:146 Resp: 4214

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.1

148 63.3 32.3 96.8



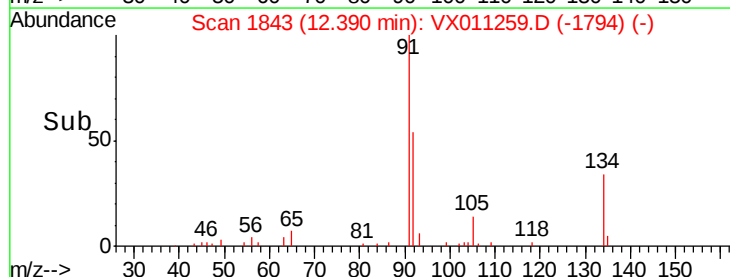
Abundance Ion 145.90 (145.60 to 146.60): V

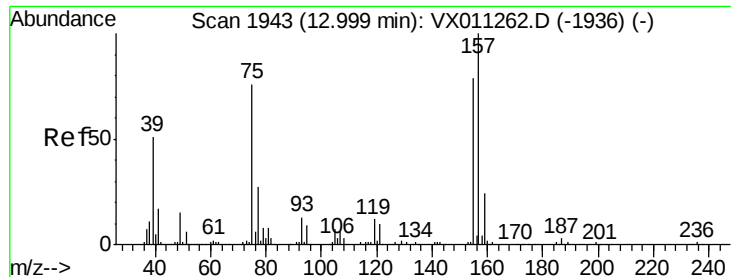
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12.39

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.909 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

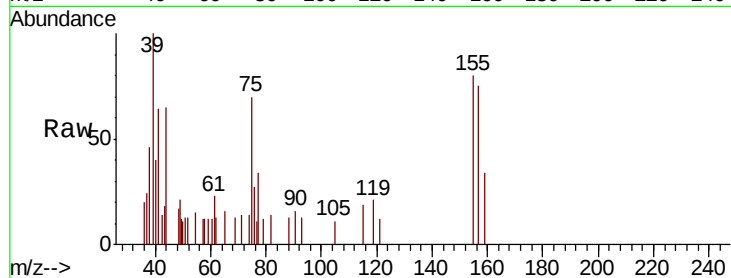
MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 501

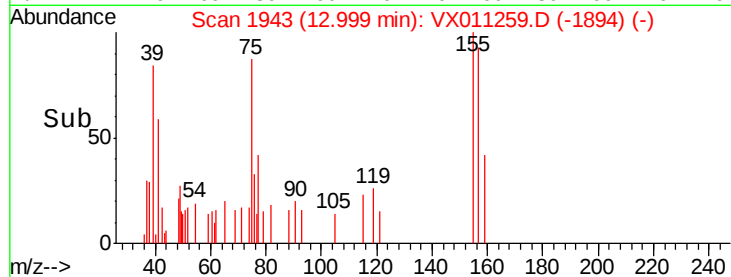
Ion	Ratio	Lower	Upper
75	100		
155	78.6	51.9	155.8
157	102.0	64.3	192.7



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: 0.935 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

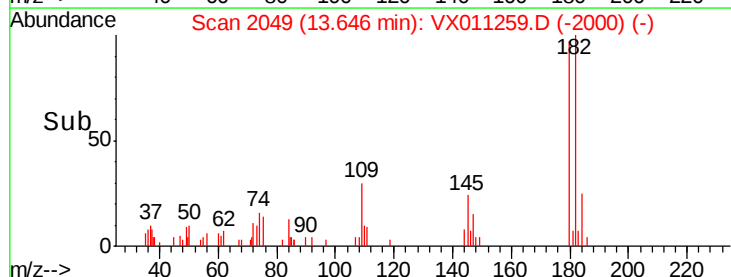
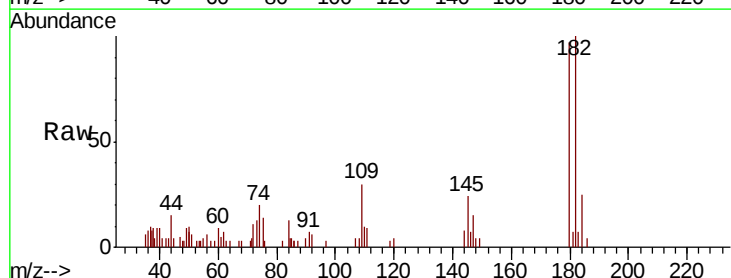
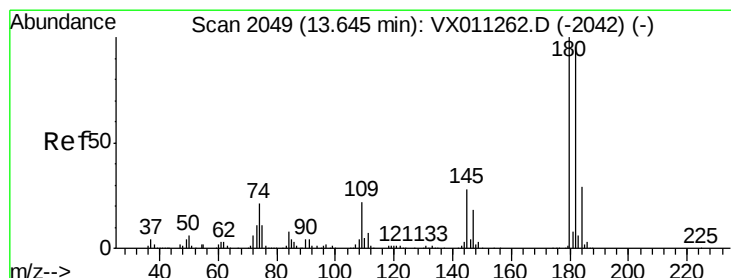
Tgt Ion:180 Resp: 2446

Ion	Ratio	Lower	Upper
180	100		
182	100.8	47.8	143.4
145	30.2	14.8	44.3

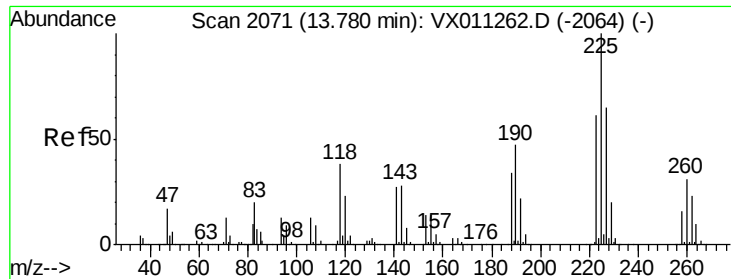
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: 1.004 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

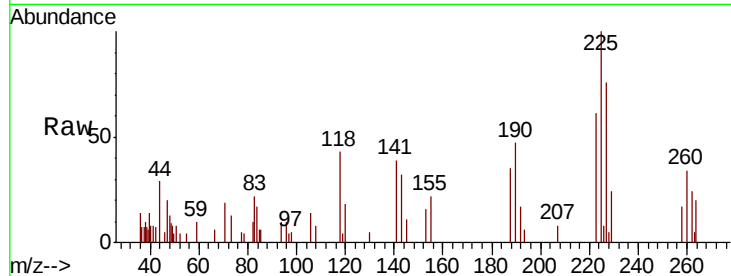
Tot Ion:225 Resp: 1307

Ion Ratio Lower Upper

225 100

223 64.6 31.0 93.0

227 68.2 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

13.78

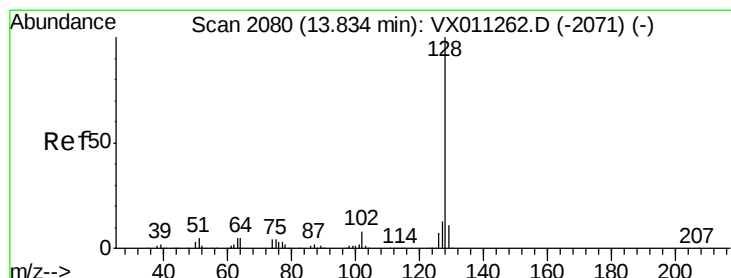
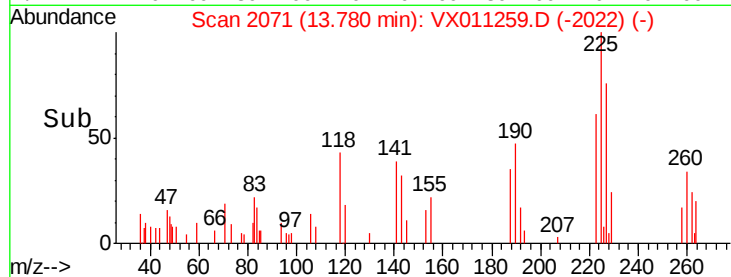
1000

500

0

13.75 13.80

Time-->



#95

Naphthalene

Concen: 0.829 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX011259.D

Acq: 01 Aug 2019 14:58

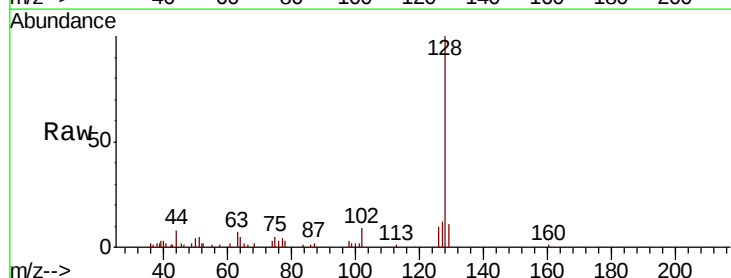
Tgt Ion:128 Resp: 6415

Ion Ratio Lower Upper

128 100

127 14.7 10.4 15.6

129 11.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83

6000

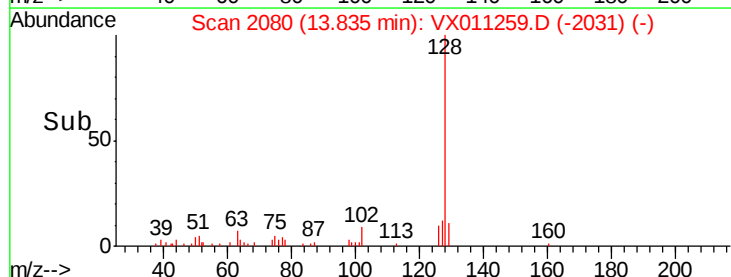
4000

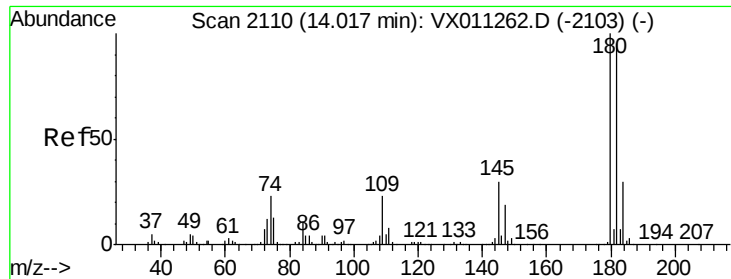
2000

0

13.80 13.85 13.90

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 1.007 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX011259.D
 Acq: 01 Aug 2019 14:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	2627
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	30.8	15.2	45.6

