

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009256.D
 Acq On : 01 May 2019 14:17
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: May 02 06:35:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31567	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	182031	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	159548	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	77549	29.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.50%
60) 4-Bromofluorobenzene	11.13	95	79289	28.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.53%
63) Toluene-d8	8.71	98	229940	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	8032	4.827 ug/l	99
3) Chloromethane	1.32	50	11314	5.113 ug/l	100
4) Vinyl Chloride	1.40	62	11074	4.963 ug/l	97
5) Bromomethane	1.64	94	8317	6.571 ug/l	97
6) Chloroethane	1.72	64	7507	5.014 ug/l	92
7) Trichlorofluoromethane	1.93	101	14205	5.232 ug/l	97
8) Diethyl Ether	2.19	74	6630	5.255 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	8572	5.044 ug/l	94
10) 1,1-Dichloroethene	2.37	96	8523	4.993 ug/l	96
11) Methyl Iodide	2.51	142	5691	3.306 ug/l	90
12) Methyl Acetate	2.77	43	18503	5.933 ug/l	97
13) Acrolein	2.29	56	13441	32.976 ug/l	99
14) Acrylonitrile	3.14	53	36269	26.343 ug/l	100
15) Acetone	2.44	58	10524	25.729 ug/l	98
16) Carbon Disulfide	2.57	76	21447	4.685 ug/l	99
17) Allyl chloride	2.73	41	20383	5.065 ug/l	97
18) Methylene Chloride	2.85	84	10859	5.339 ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	9066	5.037 ug/l	97
20) Diisopropyl ether	3.85	45	42137	5.265 ug/l	99
21) 1,1-Dichloroethane	3.70	63	20359	5.315 ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	11257	5.190 ug/l	98
23) tert-Butyl Alcohol	3.05	59	15557	27.721 ug/l	# 100
24) Methyl tert-Butyl Ether	3.19	73	34562	5.313 ug/l	98
25) Chloroform	5.21	83	18380	5.192 ug/l	99
26) Cyclohexane	5.57	56	17690	4.847 ug/l	# 96
29) 1,1-Dichloropropene	5.81	75	13217	4.999 ug/l	98
30) 2-Butanone	4.68	43	53830	26.013 ug/l	99
31) 2,2-Dichloropropane	4.58	77	14820	5.135 ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	14591	5.254 ug/l	97
33) Carbon Tetrachloride	5.78	117	12093	5.122 ug/l	96
34) Benzene	6.14	78	41935	5.116 ug/l	97
35) Methacrylonitrile	5.04	41	10924	5.037 ug/l	92
36) 1,2-Dichloroethane	6.19	62	15763	5.338 ug/l	99
37) Trichloroethene	7.21	130	10320	5.374 ug/l	95
38) Methylcyclohexane	7.46	83	16484	5.100 ug/l	99
39) 1,2-Dichloropropane	7.51	63	11989	5.209 ug/l	96
40) Dibromomethane	7.66	93	6731	5.135 ug/l	93

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 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: May 02 06:35:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	13323	5.076	ug/l #	99
42) Vinyl Acetate	3.81	43	169834	24.761	ug/l	99
43) Ethyl Acetate	4.84	43	18401	4.806	ug/l	100
44) Isopropyl Acetate	6.45	43	31161	5.290	ug/l	100
45) 1,4-Dioxane	7.74	88	6307	107.701	ug/l	98
46) Methyl methacrylate	7.77	41	15129	5.081	ug/l	99
47) n-amyl Acetate	10.90	43	26201	4.981	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	14585	4.859	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	16859	5.045	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	10496	5.216	ug/l	97
51) Ethyl methacrylate	9.18	69	18406	5.036	ug/l	97
52) 1,3-Dichloropropane	9.37	76	18687	5.227	ug/l	98
53) Dibromochloromethane	9.58	129	9441	4.879	ug/l	100
54) 1,2-Dibromoethane	9.67	107	10550	5.160	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	47187	22.919	ug/l	99
56) Bromoform	10.85	173	7041	4.897	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	101737	26.078	ug/l	99
59) 2-Hexanone	9.49	43	78791	25.607	ug/l	100
61) Tetrachloroethene	9.34	164	9480	5.396	ug/l	93
62) Toluene	8.78	91	44093	5.145	ug/l	99
64) Chlorobenzene	10.14	112	26865	5.313	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	9560	5.225	ug/l	98
66) Ethyl Benzene	10.25	91	48378	5.117	ug/l	99
67) m/p-Xylenes	10.36	106	34719	10.084	ug/l	98
68) o-Xylene	10.69	106	17596	5.257	ug/l	96
69) Styrene	10.71	104	29386	4.997	ug/l	98
70) Isopropylbenzene	11.02	105	47354	5.191	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	17244	5.258	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	19590	6.773	ug/l	84
73) Bromobenzene	11.26	156	11547	5.145	ug/l	96
74) n-propylbenzene	11.36	91	52417	5.004	ug/l	99
75) 2-Chlorotoluene	11.42	91	32911	5.218	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	38948	5.084	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	5229	4.899	ug/l	92
78) 4-Chlorotoluene	11.51	91	36099	5.113	ug/l	98
79) tert-butylbenzene	11.77	119	37881	5.119	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	39092	5.110	ug/l	99
81) sec-Butylbenzene	11.94	105	44094	5.031	ug/l	100
82) p-Isopropyltoluene	12.06	119	39533	4.971	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	20740	5.330	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	20658	5.390	ug/l	97
85) n-Butylbenzene	12.38	91	34398	4.873	ug/l	98
86) Hexachloroethane	12.60	117	6348	4.701	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	20790	5.228	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	3830	5.059	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	14186	5.210	ug/l	99
90) Hexachlorobutadiene	13.78	225	7010	5.079	ug/l	98
91) Naphthalene	13.83	128	46903	5.029	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	14963	5.224	ug/l	98

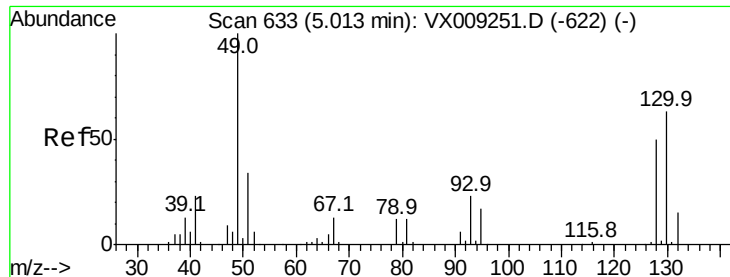
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
Data File : VX009256.D
Acq On : 01 May 2019 14:17
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: May 02 06:35:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:30:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

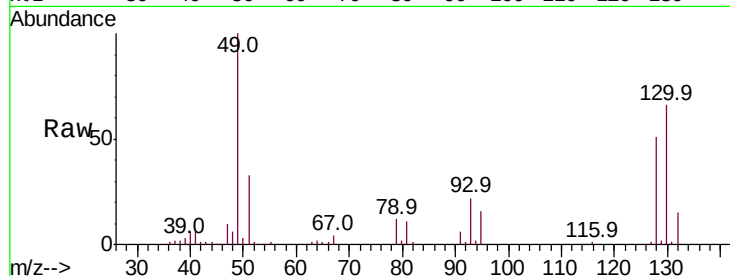
Tot Ion:128 Resp: 31567

Ion Ratio Lower Upper

128 100

49 201.3 0.0 515.0

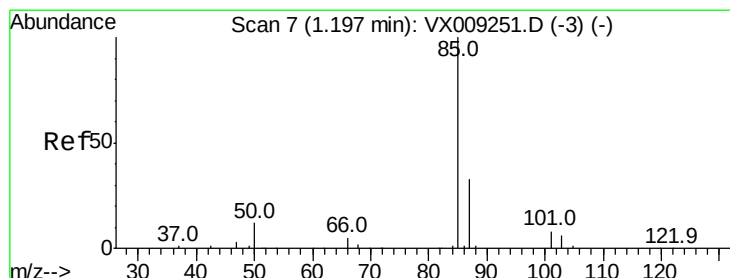
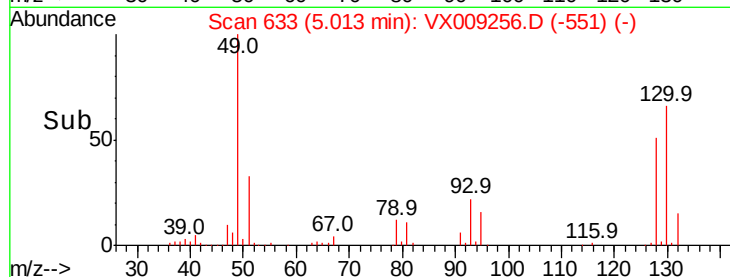
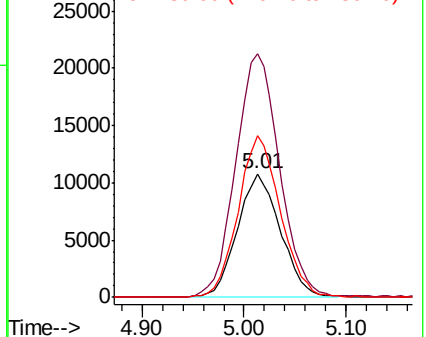
130 128.4 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.827 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009256.D

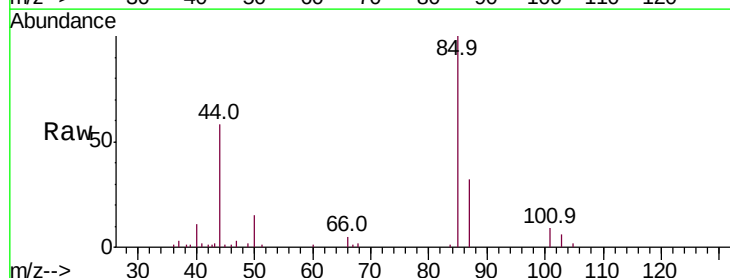
Acq: 01 May 2019 14:17

Tgt Ion: 85 Resp: 8032

Ion Ratio Lower Upper

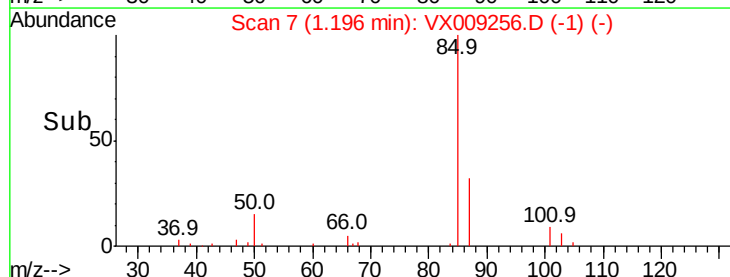
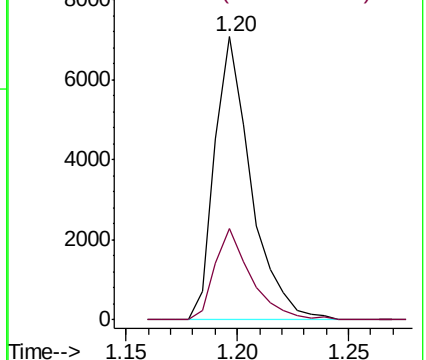
85 100

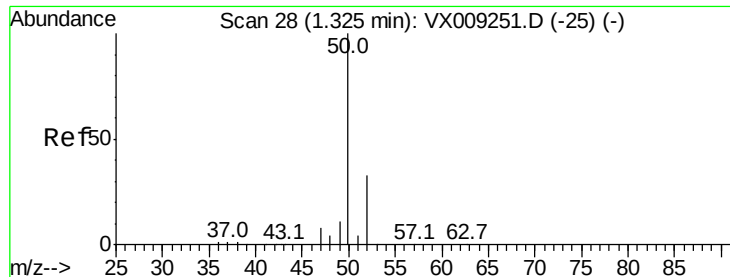
87 32.2 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

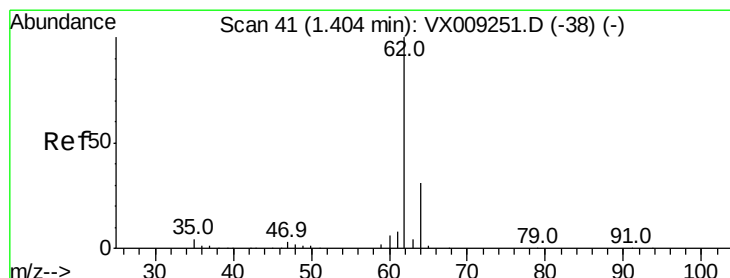
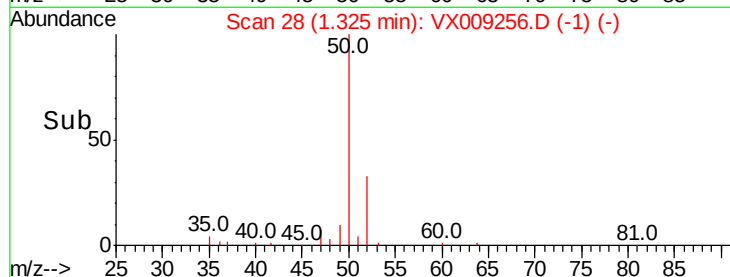
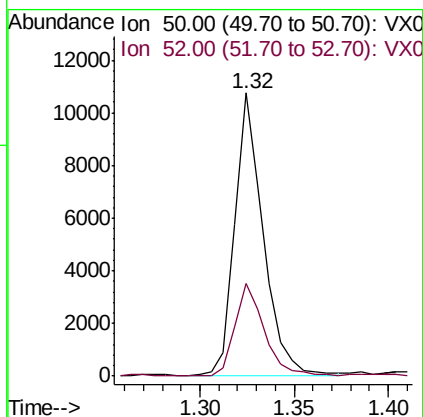
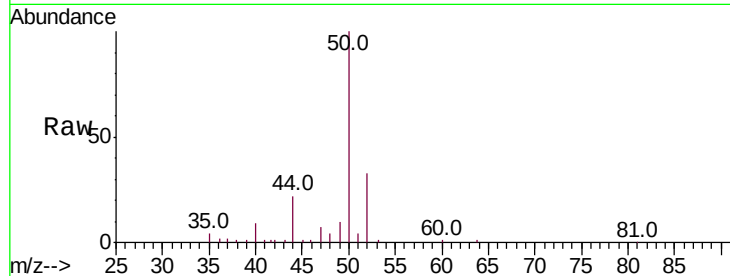




#3
Chloromethane
Concen: 5.113 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

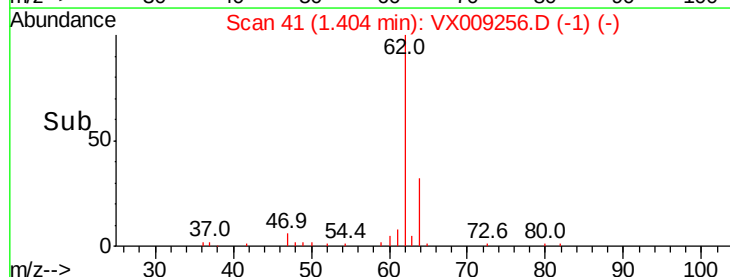
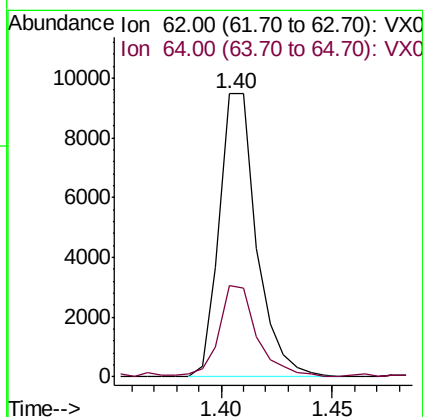
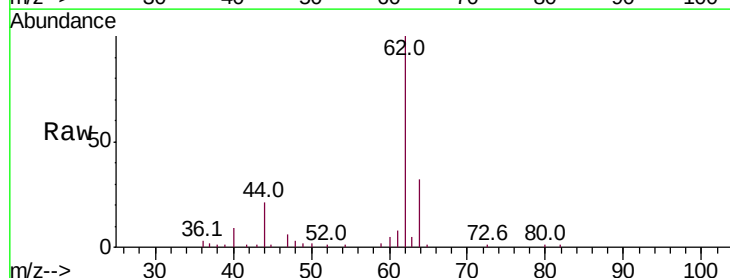
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

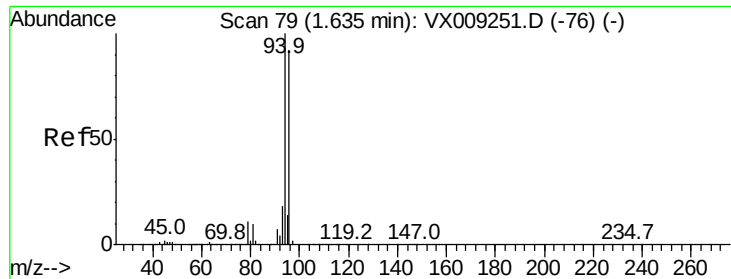
Tot Ion: 50 Resp: 11314
Ion Ratio Lower Upper
50 100
52 32.7 26.3 39.5



#4
Vinyl Chloride
Concen: 4.963 ug/l
RT: 1.40 min Scan# 41
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion: 62 Resp: 11074
Ion Ratio Lower Upper
62 100
64 32.3 24.6 36.8





#5

Bromomethane

Concen: 6.571 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

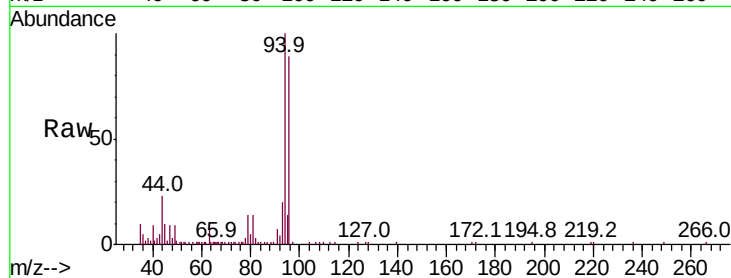
VSTDIC005

Tot Ion: 94 Resp: 8317

Ion Ratio Lower Upper

94 100

96 88.9 73.5 110.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

8000

6000

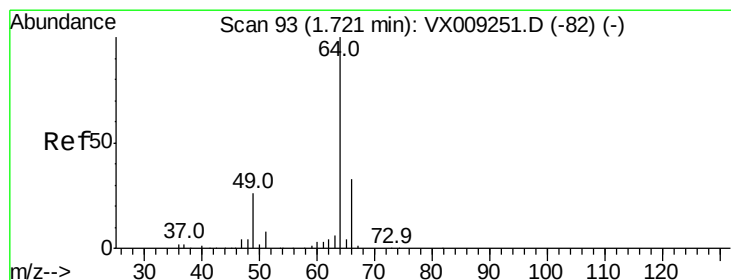
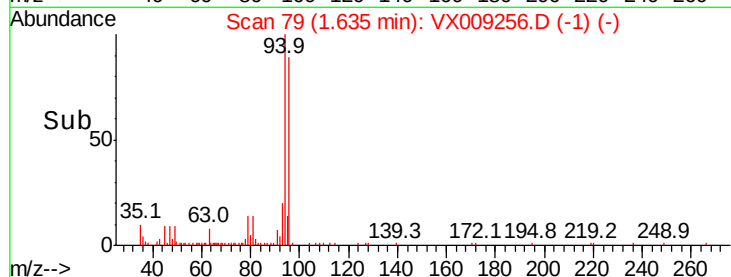
4000

2000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 5.014 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009256.D

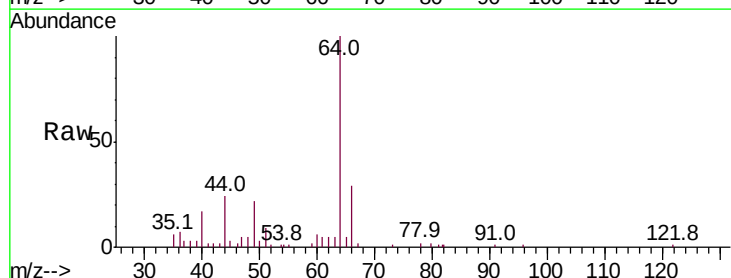
Acq: 01 May 2019 14:17

Tgt Ion: 64 Resp: 7507

Ion Ratio Lower Upper

64 100

66 27.8 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

5000

4000

3000

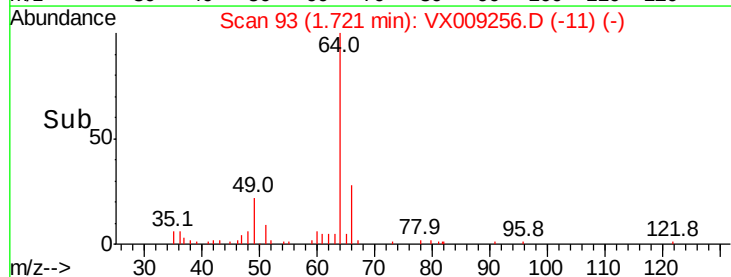
2000

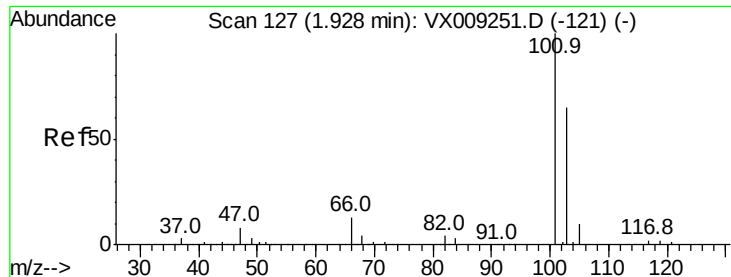
1000

0

1.65 1.70 1.75

Time-->



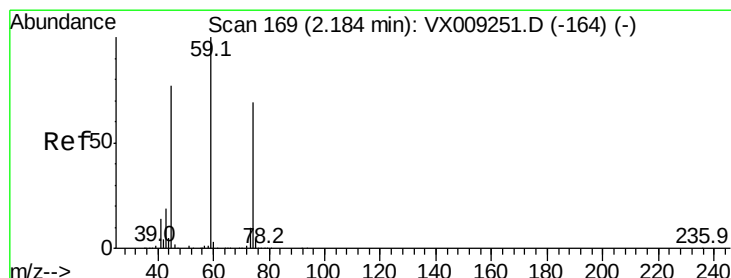
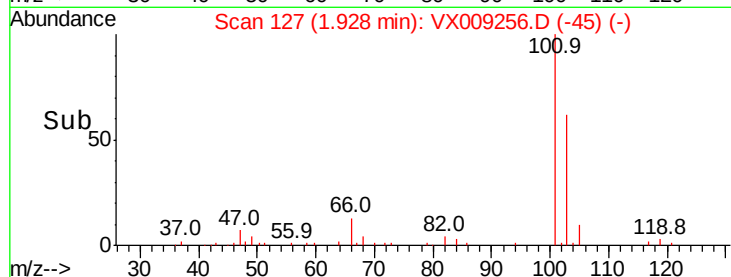
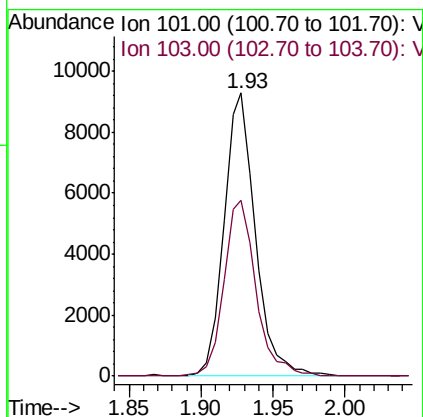
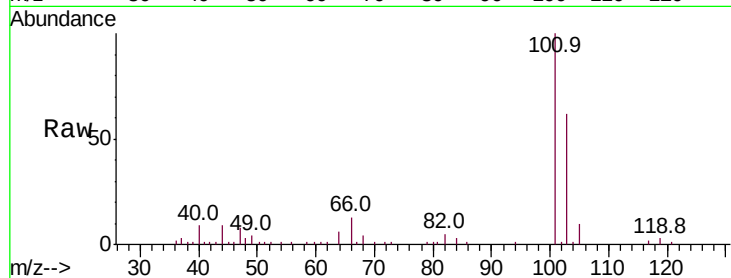


#7

Trichlorofluoromethane
Concen: 5.232 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

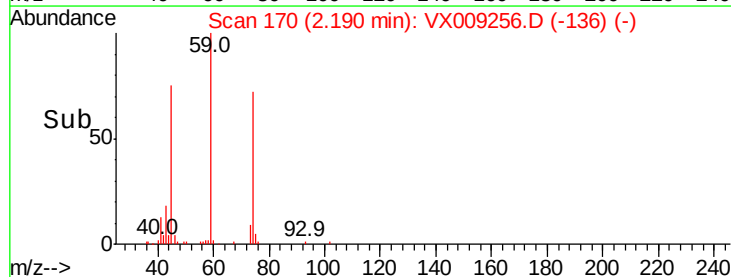
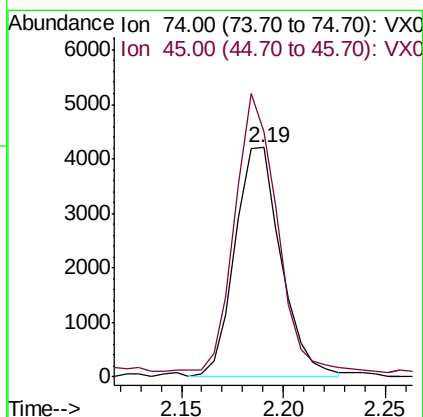
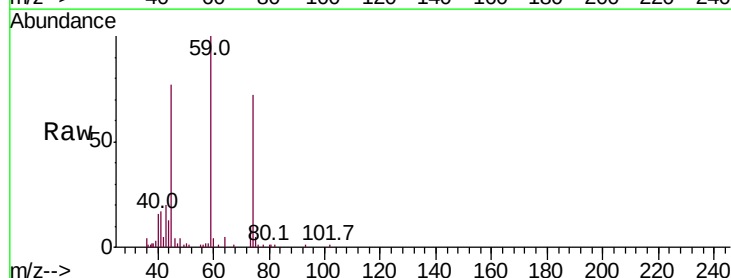
Tot Ion:101 Resp: 14205
Ion Ratio Lower Upper
101 100
103 62.2 51.9 77.9

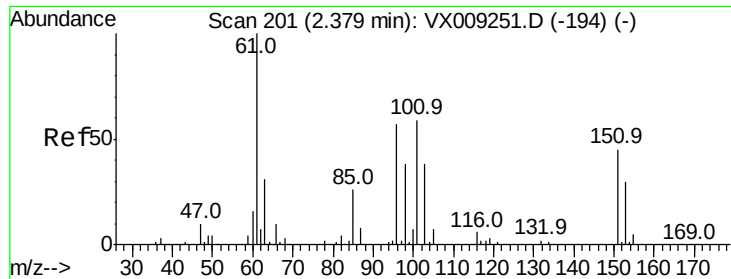


#8

Diethyl Ether
Concen: 5.255 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion: 74 Resp: 6630
Ion Ratio Lower Upper
74 100
45 112.5 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.044 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

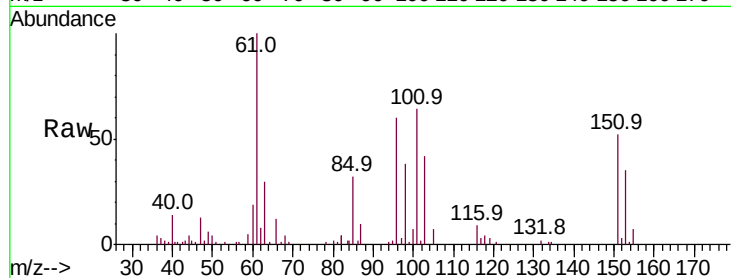
Tot Ion:101 Resp: 8572

Ion Ratio Lower Upper

101 100

85 49.1 0.0 87.4

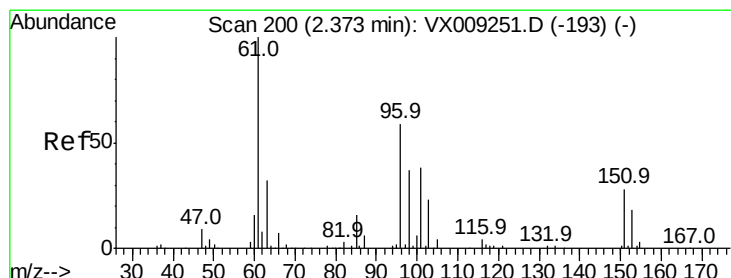
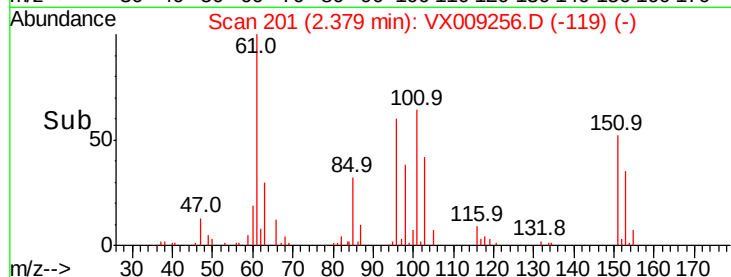
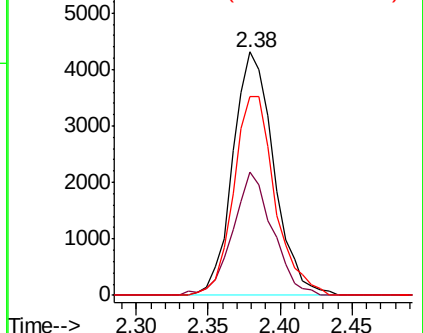
151 82.0 0.0 157.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 4.993 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

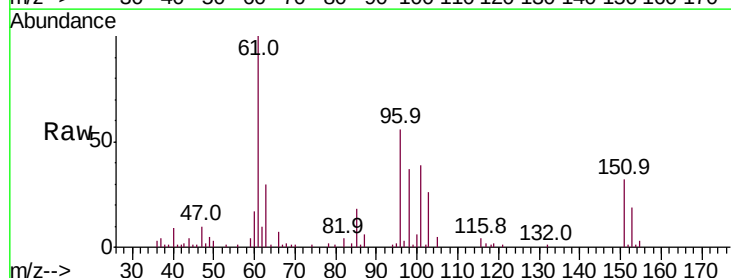
Tgt Ion: 96 Resp: 8523

Ion Ratio Lower Upper

96 100

61 176.3 136.5 204.7

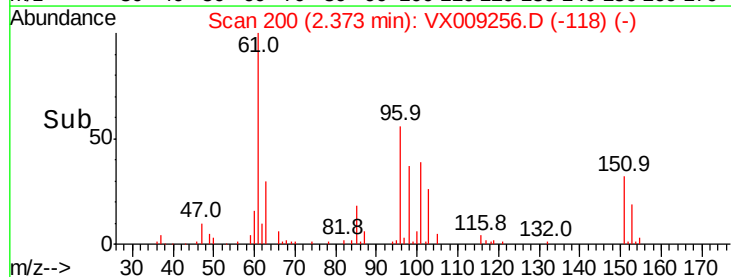
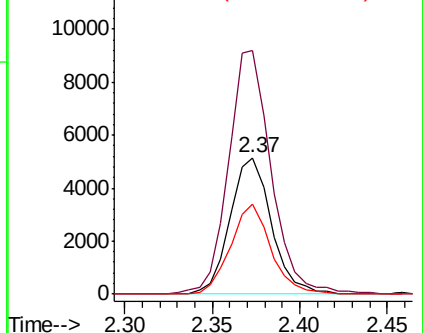
98 66.0 51.0 76.4

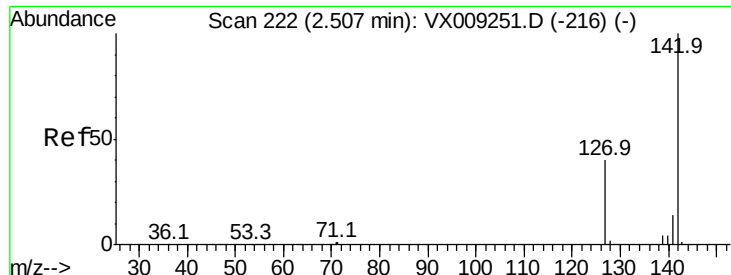


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

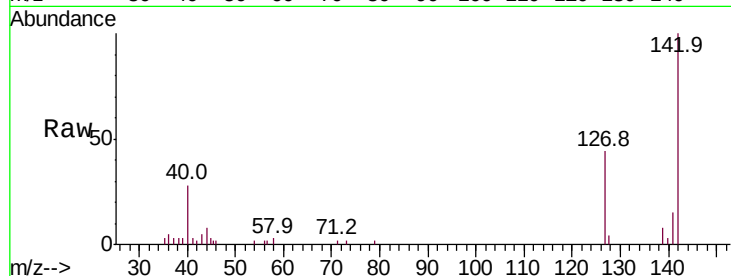




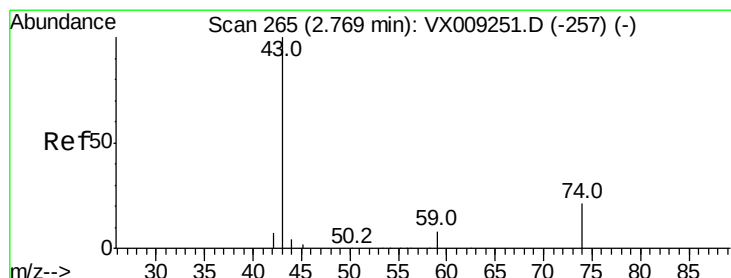
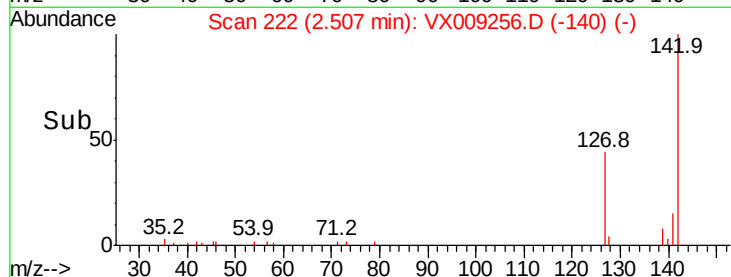
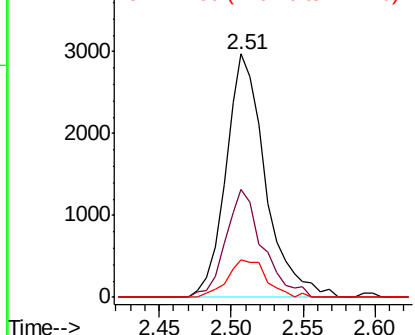
#11
Methvl Iodide
Concen: 3.306 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:142 Resp: 5691
Ion Ratio Lower Upper
142 100
127 48.0 20.2 60.5
141 15.2 6.9 20.7

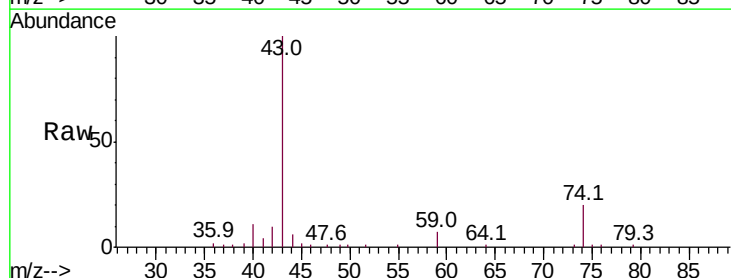


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

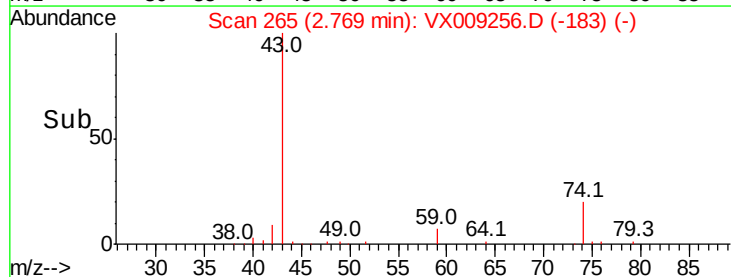
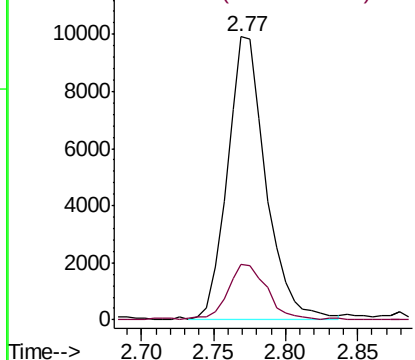


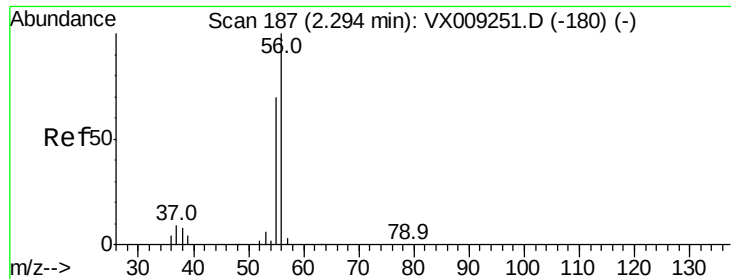
#12
Methyl Acetate
Concen: 5.933 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion: 43 Resp: 18503
Ion Ratio Lower Upper
43 100
74 19.3 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 32.976 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

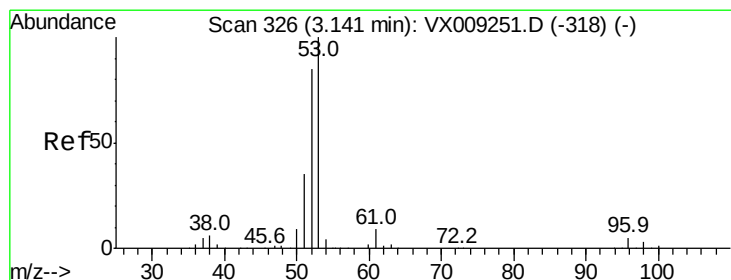
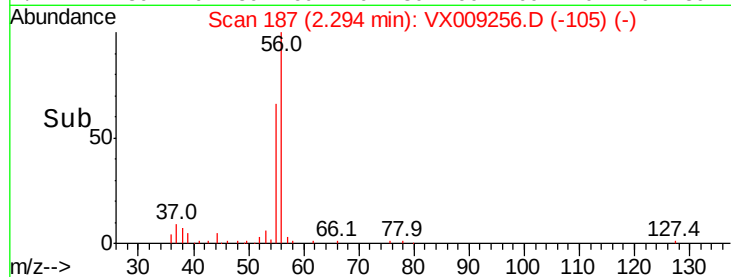
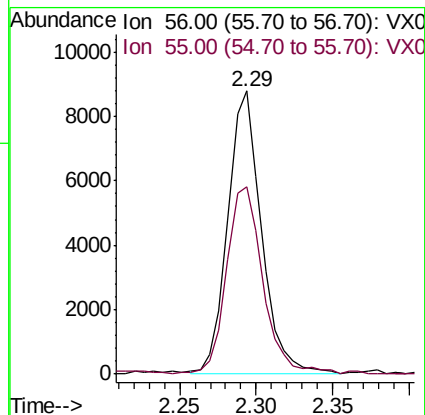
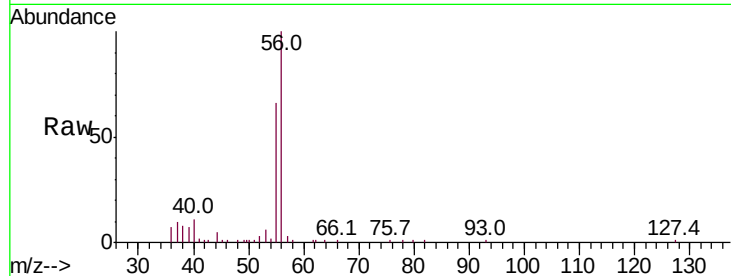
VSTDIC005

Tot Ion: 56 Resp: 13441

Ion Ratio Lower Upper

56 100

55 69.9 56.9 85.3



#14

Acrylonitrile

Concen: 26.343 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

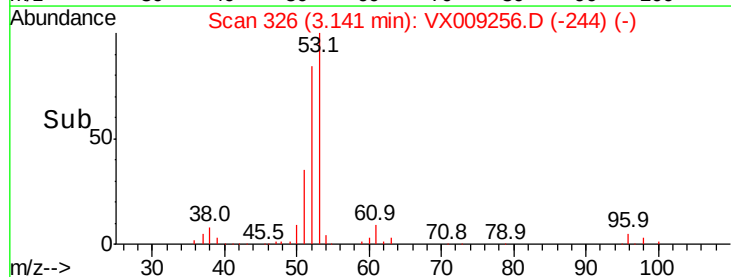
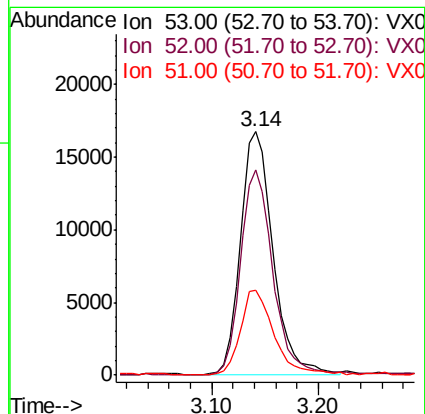
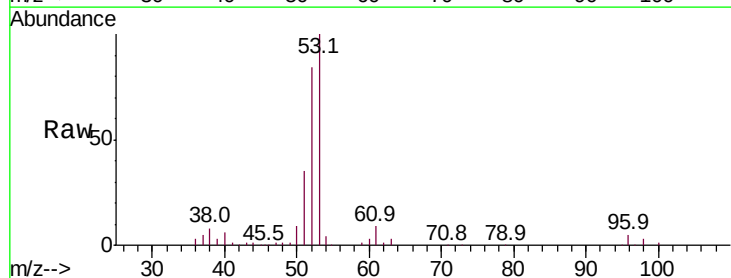
Tgt Ion: 53 Resp: 36269

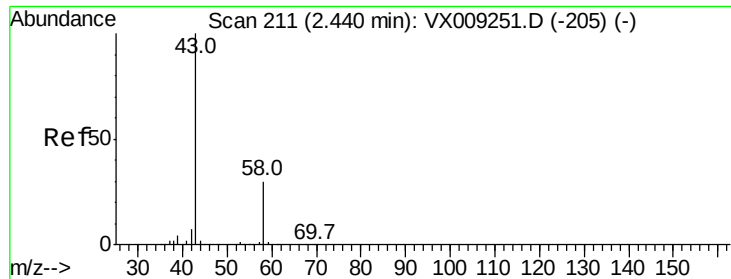
Ion Ratio Lower Upper

53 100

52 83.4 41.5 124.5

51 35.8 17.8 53.3





#15

Acetone

Concen: 25.729 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

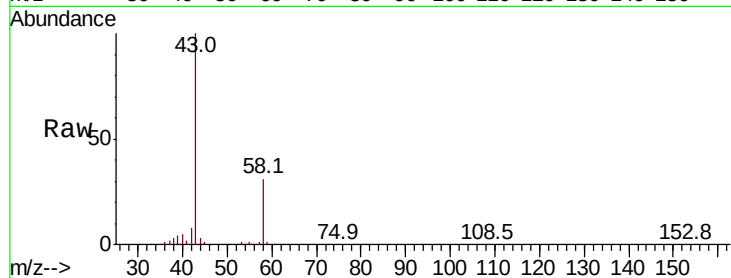
VSTDIC005

Tot Ion: 58 Resp: 10524

Ion Ratio Lower Upper

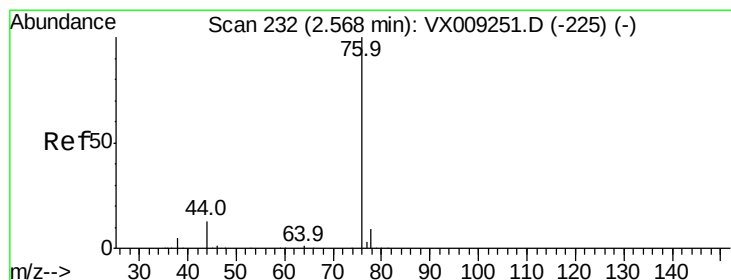
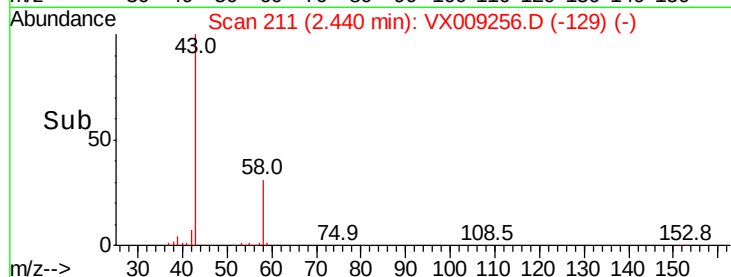
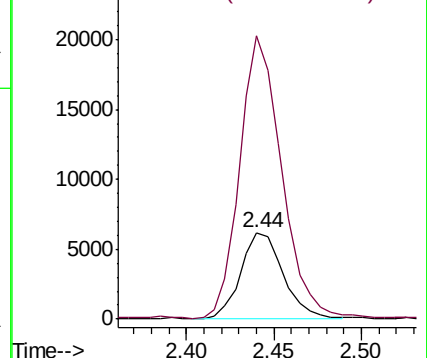
58 100

43 325.3 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 4.685 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009256.D

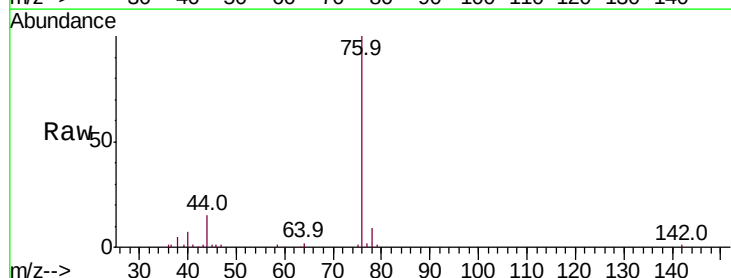
Acq: 01 May 2019 14:17

Tgt Ion: 76 Resp: 21447

Ion Ratio Lower Upper

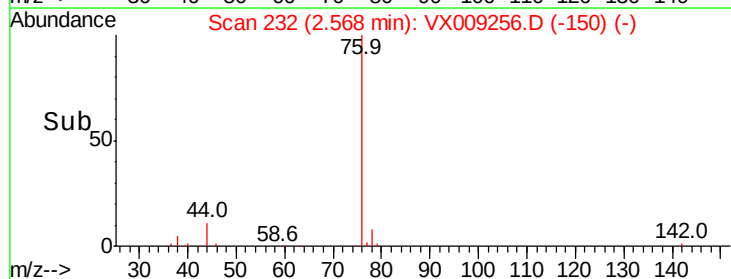
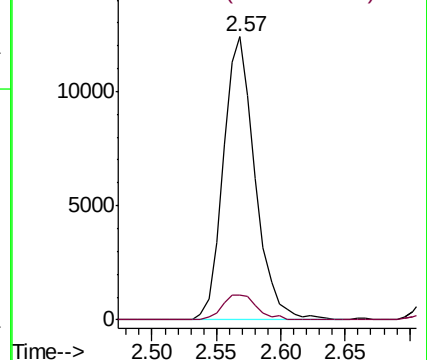
76 100

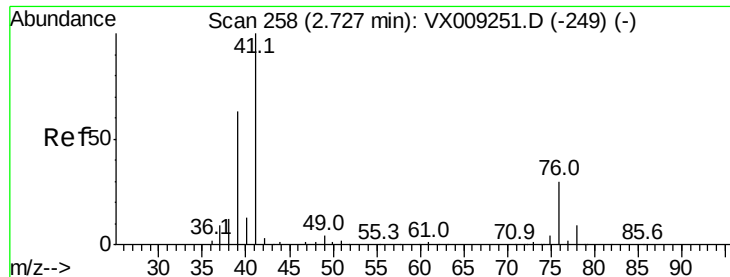
78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 5.065 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

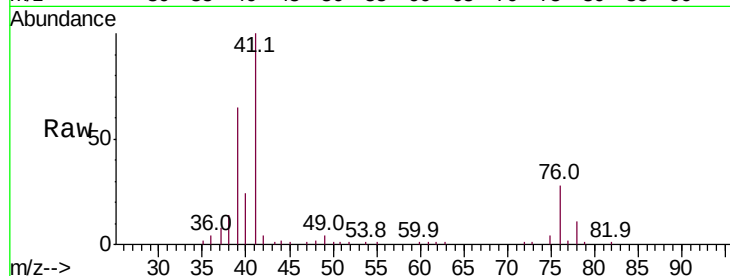
Tot Ion: 41 Resp: 20383

Ion Ratio Lower Upper

41 100

39 65.4 31.6 94.7

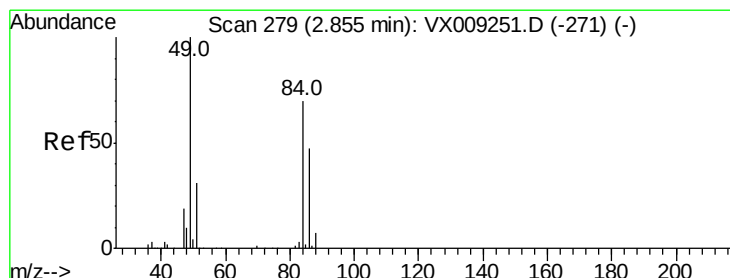
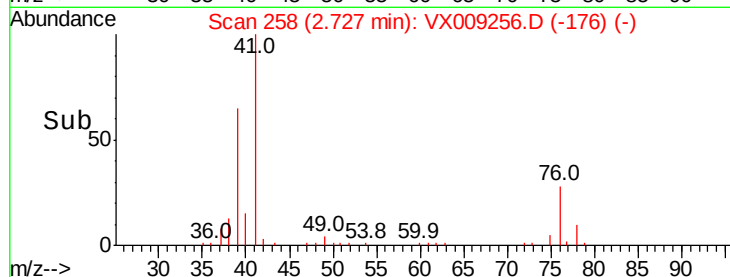
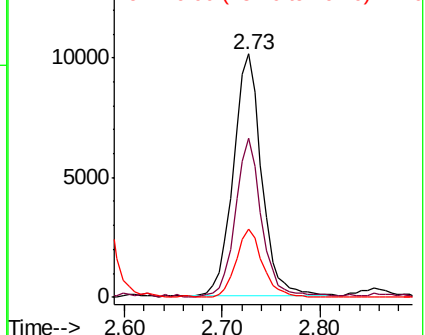
76 27.9 15.1 45.3



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 76.00 (75.70 to 76.70): VX0



#18

Methylene Chloride

Concen: 5.339 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Tgt Ion: 84 Resp: 10859

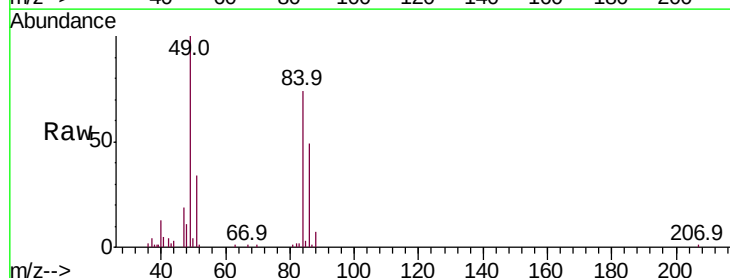
Ion Ratio Lower Upper

84 100

49 134.9 114.6 171.8

51 46.6 35.5 53.3

86 65.4 53.4 80.2

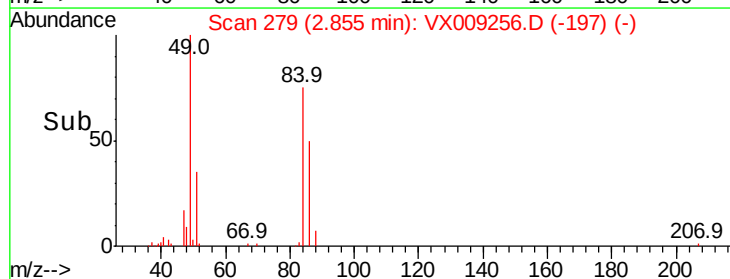
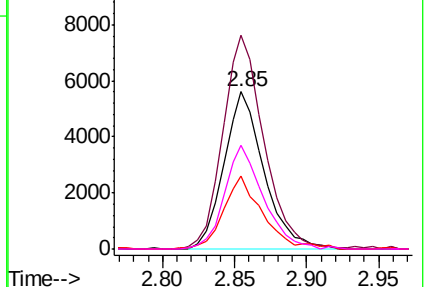


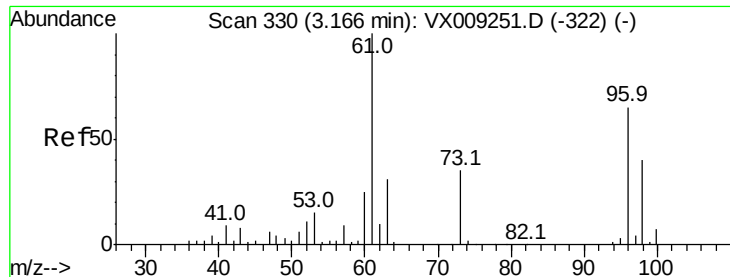
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#19

trans-1,2-Dichloroethene

Concen: 5.037 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

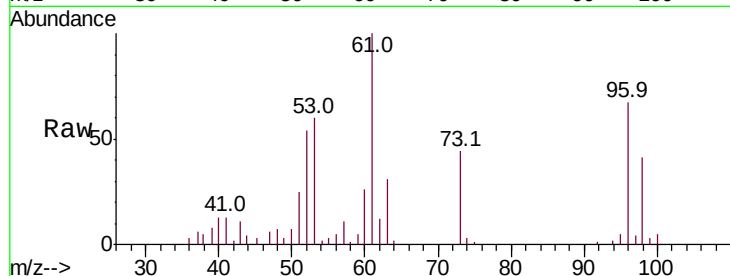
Tot Ion: 96 Resp: 9066

Ion Ratio Lower Upper

96 100

61 148.4 122.7 184.1

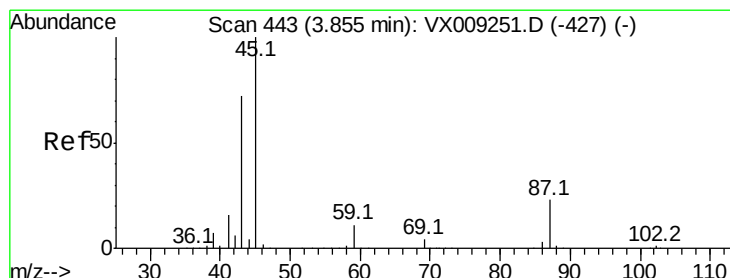
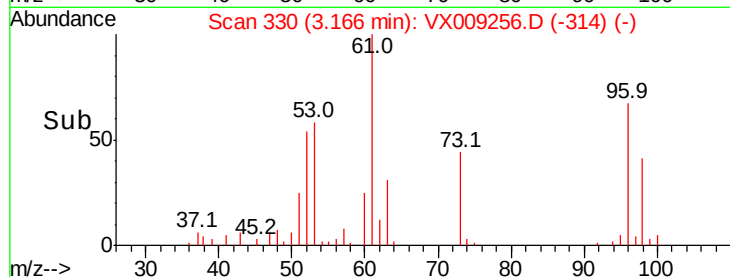
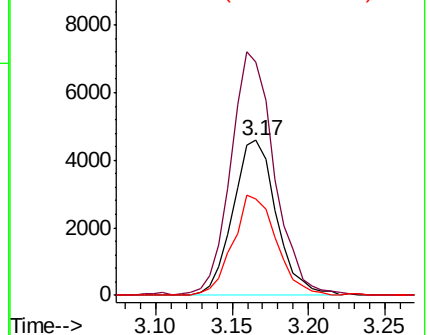
98 62.2 49.5 74.3



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 5.265 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Tgt Ion: 45 Resp: 42137

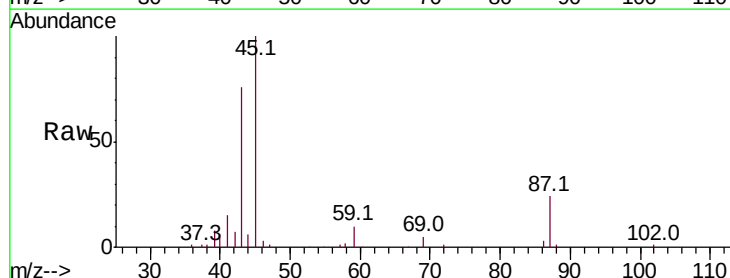
Ion Ratio Lower Upper

45 100

43 72.9 57.7 86.5

87 24.1 18.5 27.7

59 9.8 8.8 13.2

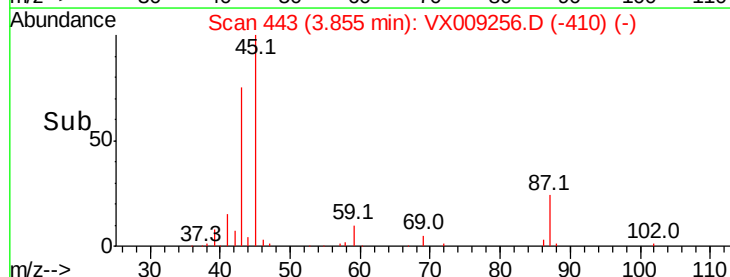
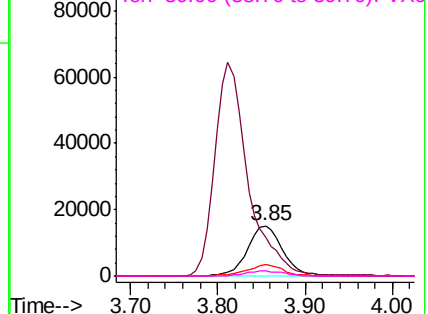


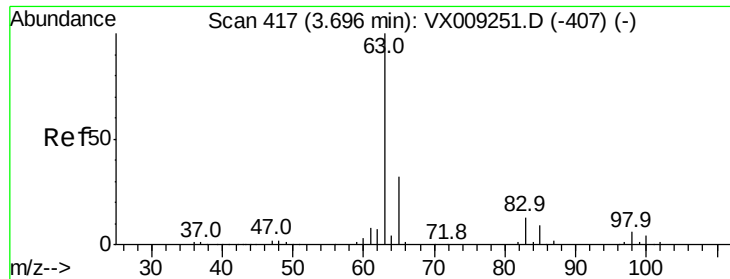
Abundance Ion 45.00 (44.70 to 45.70): VX0

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





#21

1,1-Dichloroethane

Concen: 5.315 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

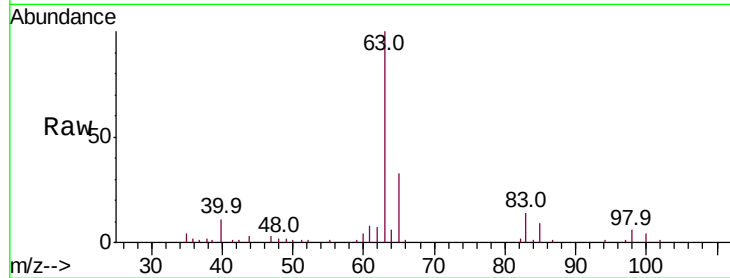
Tot Ion: 63 Resp: 20359

Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.3

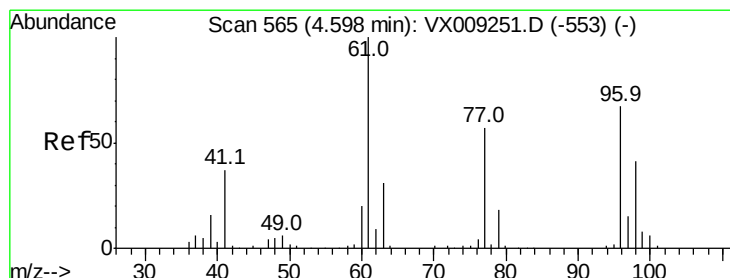
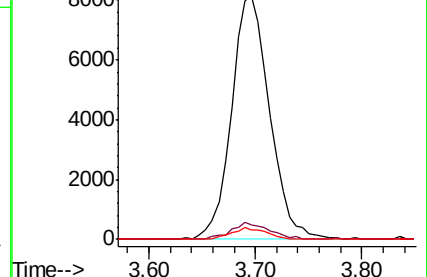
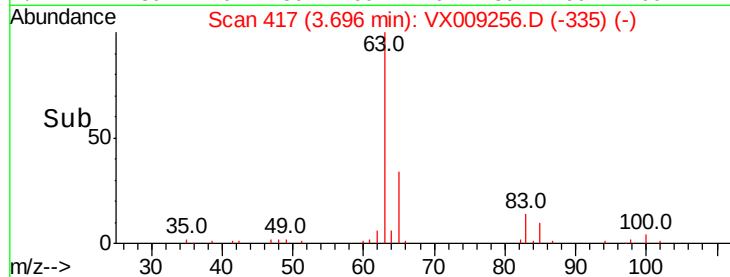
100 4.0 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 5.190 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

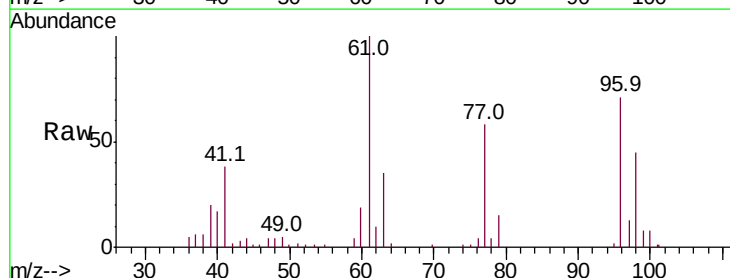
Tgt Ion: 96 Resp: 11257

Ion Ratio Lower Upper

96 100

61 161.9 127.7 191.5

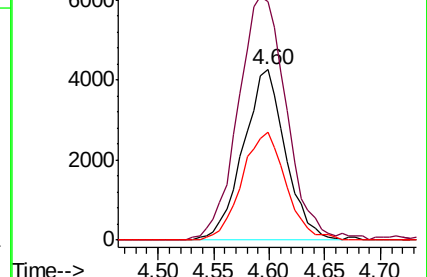
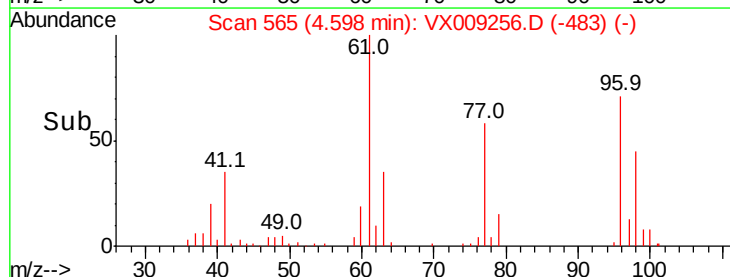
98 65.3 50.5 75.7

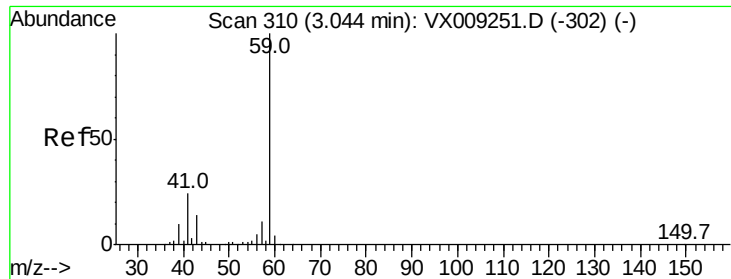


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



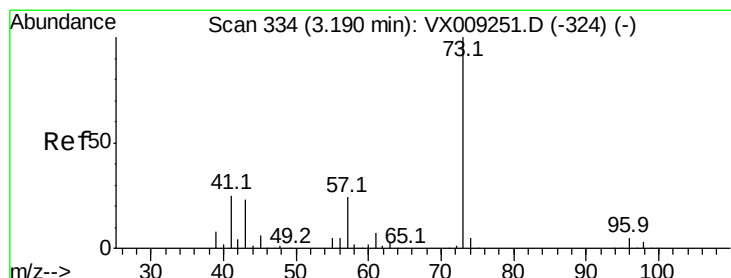
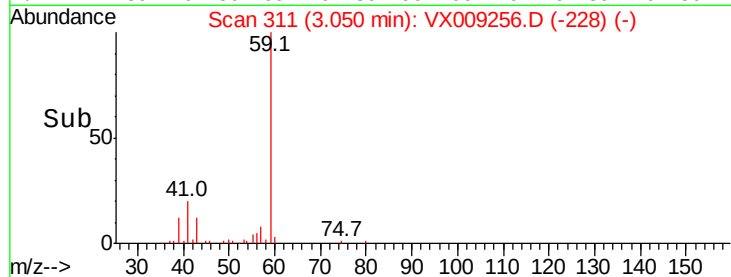
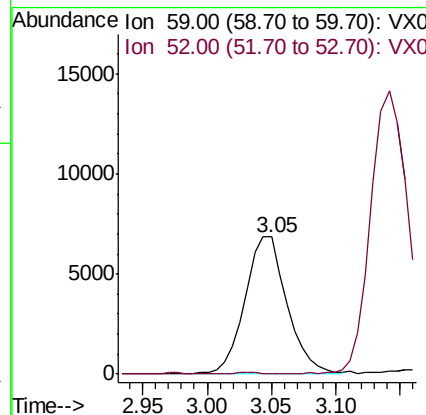
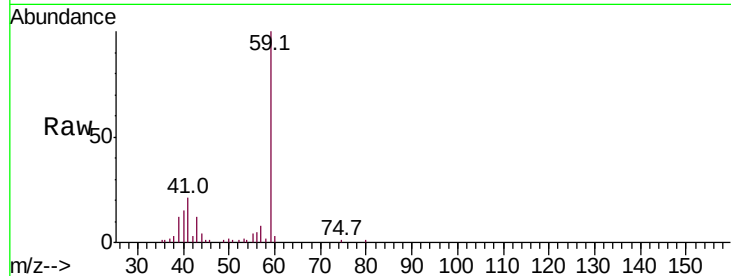


#23

tert-Butyl Alcohol
Concen: 27.721 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

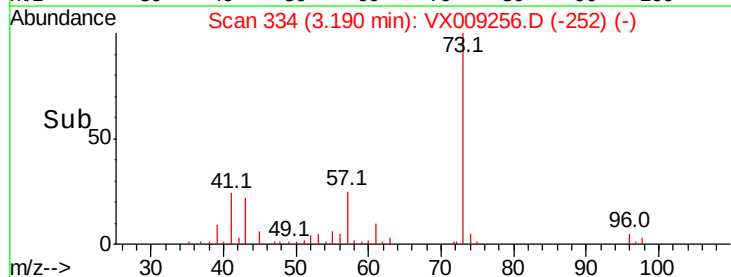
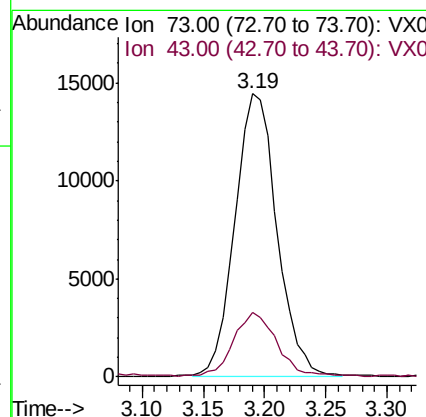
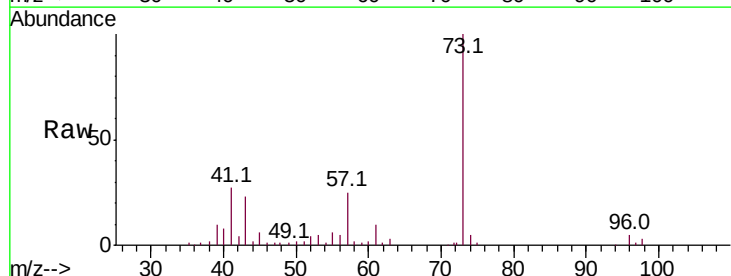
Tot Ion: 59 Resp: 15557
Ion Ratio Lower Upper
59 100
52 0.5 0.2 0.2#

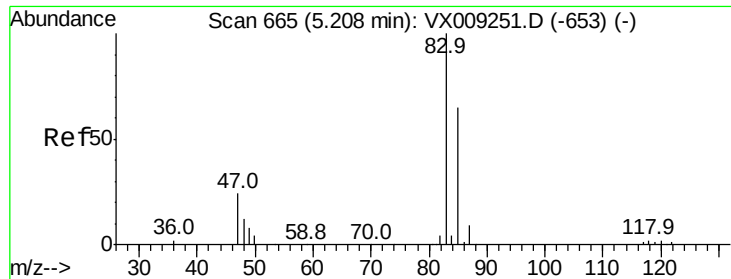


#24

Methyl tert-Butyl Ether
Concen: 5.313 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion: 73 Resp: 34562
Ion Ratio Lower Upper
73 100
43 22.8 17.6 26.4





#25

Chloroform

Concen: 5.192 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

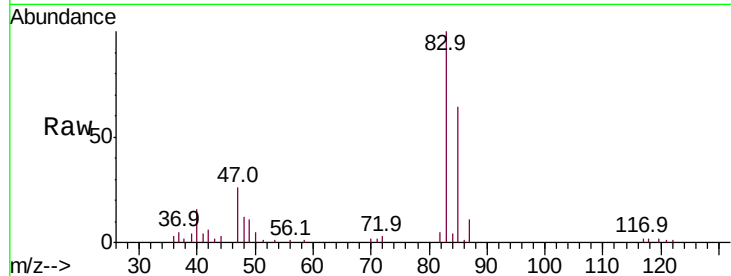
VSTDIC005

Tot Ion: 83 Resp: 18380

Ion Ratio Lower Upper

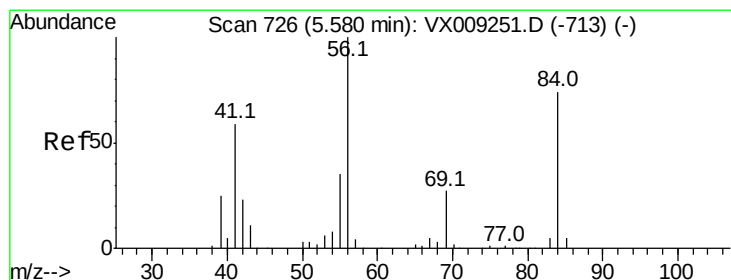
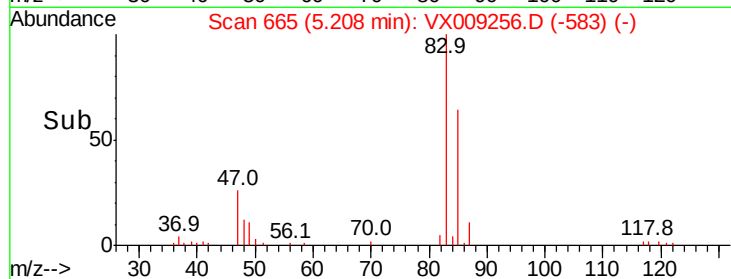
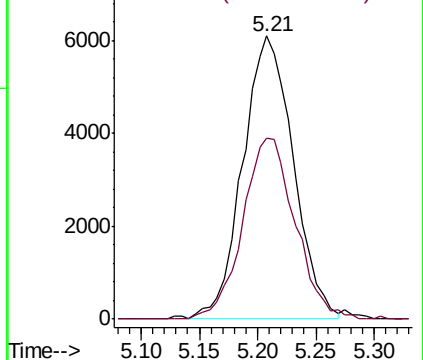
83 100

85 63.7 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 4.847 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

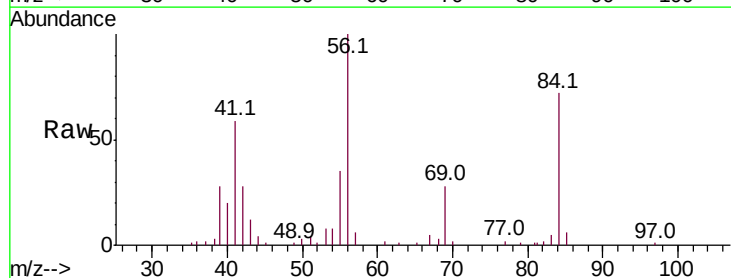
Tgt Ion: 56 Resp: 17690

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

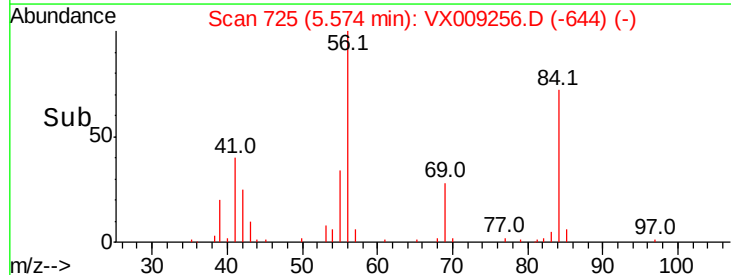
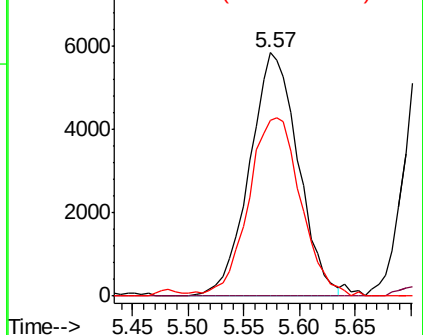
84 78.3 59.7 89.5

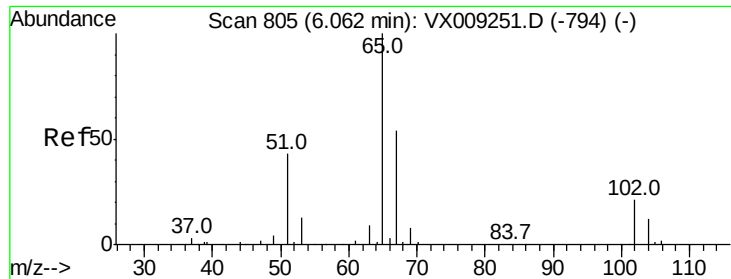


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

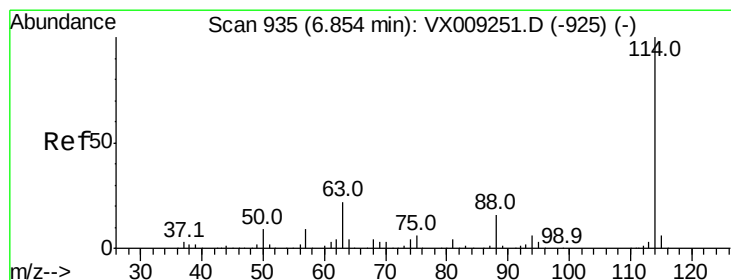
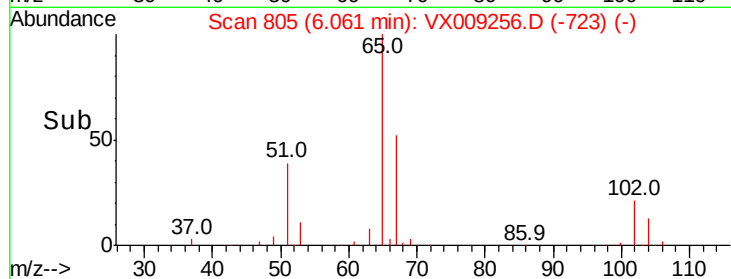
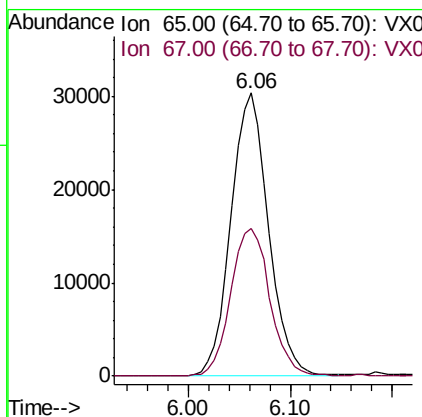
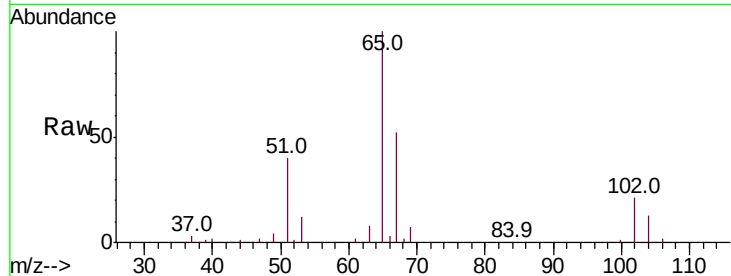




#27
 1,2-Dichloroethane-d4
 Concen: 29.849 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

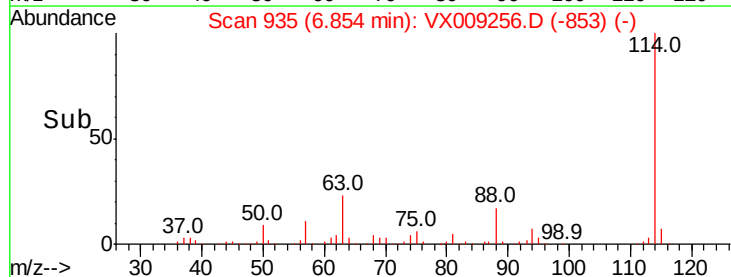
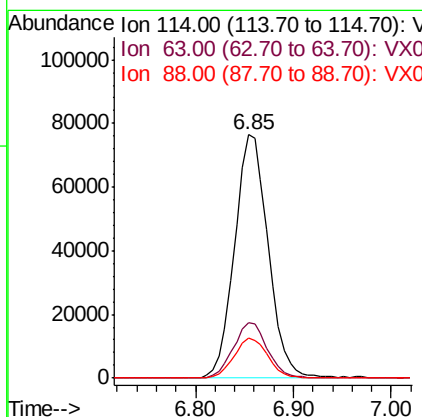
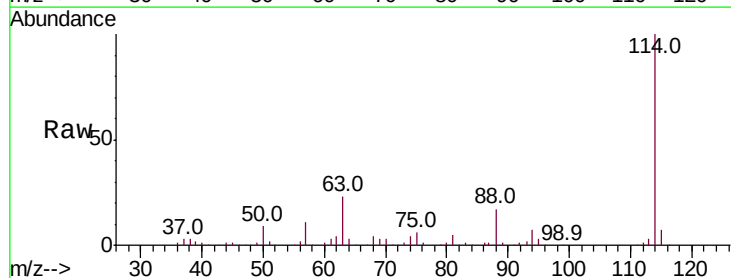
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

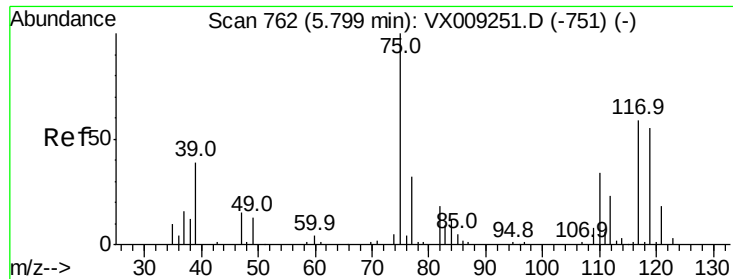
Tot Ion: 65 Resp: 77549
 Ion Ratio Lower Upper
 65 100
 67 54.6 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

Tgt Ion:114 Resp: 182031
 Ion Ratio Lower Upper
 114 100
 63 23.1 18.0 27.0
 88 16.6 13.4 20.0





#29

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 5.81 min Scan# 763

Delta R.T. 0.01 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

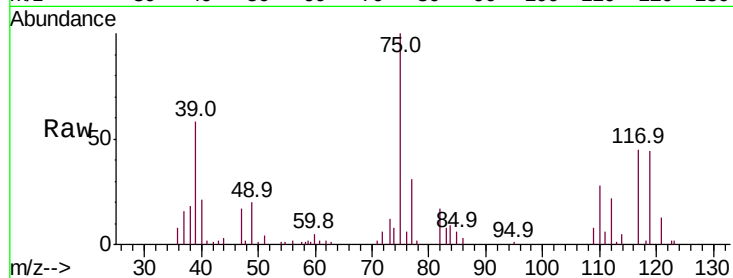
Tot Ion: 75 Resp: 13217

Ion Ratio Lower Upper

75 100

110 34.1 0.0 66.4

77 33.0 0.0 62.2



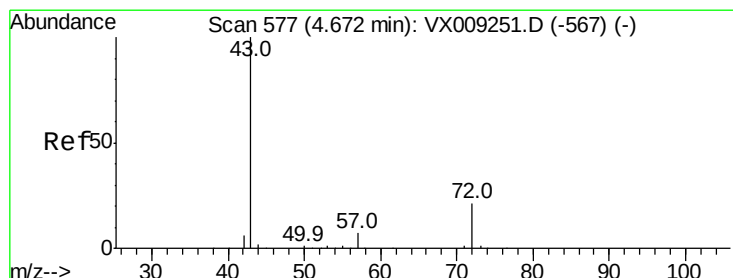
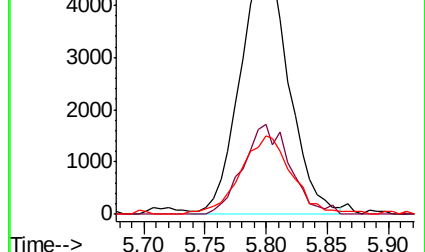
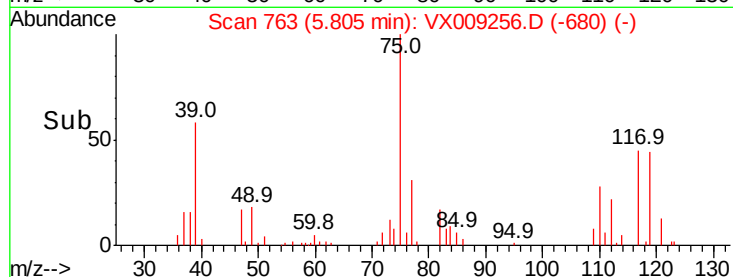
Abundance Ion 75.00 (74.70 to 75.70): VX009251.D (-751) (-)

Ion 110.00 (109.70 to 110.70): VX009251.D (-751) (-)

Ion 77.00 (76.70 to 77.70): VX009251.D (-751) (-)

5.81

Time-->



#30

2-Butanone

Concen: 26.013 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

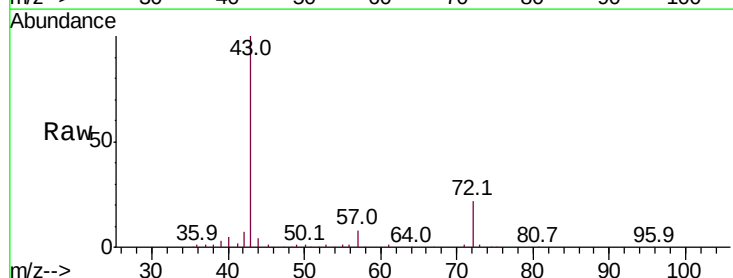
Tgt Ion: 43 Resp: 53830

Ion Ratio Lower Upper

43 100

57 7.0 6.0 9.0

72 23.0 18.2 27.4



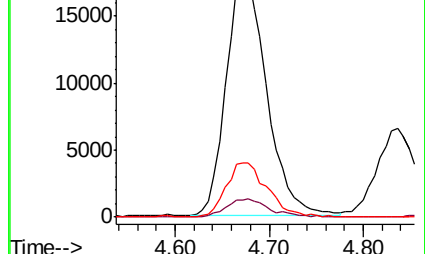
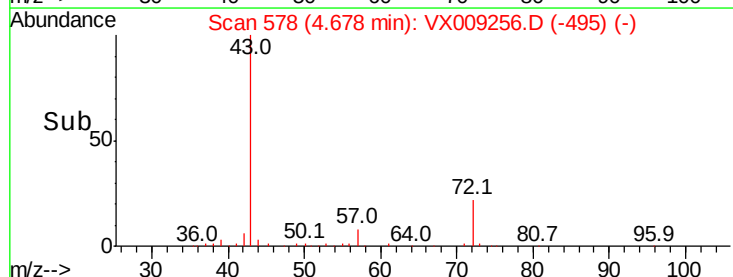
Abundance Ion 43.00 (42.70 to 43.70): VX009251.D (-567) (-)

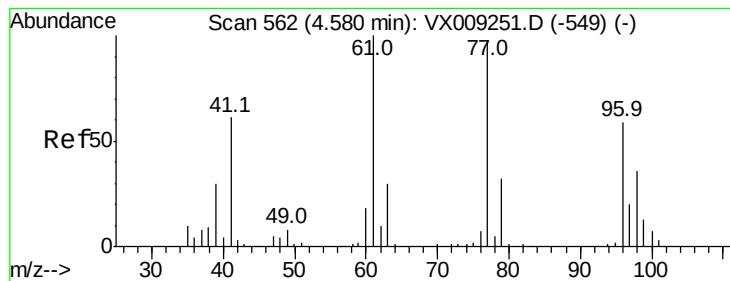
Ion 57.00 (56.70 to 57.70): VX009251.D (-567) (-)

Ion 72.00 (71.70 to 72.70): VX009251.D (-567) (-)

4.68

Time-->





#31

2,2-Dichloropropane

Concen: 5.135 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

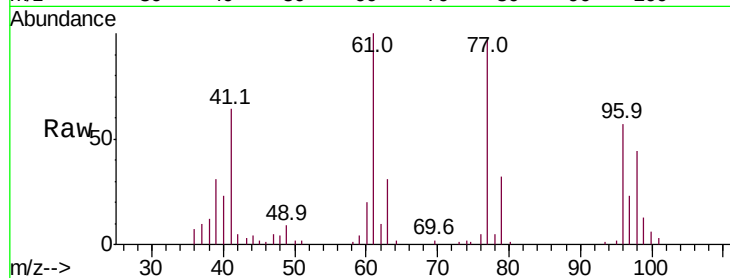
VSTDIC005

Tot Ion: 77 Resp: 14820

Ion Ratio Lower Upper

77 100

97 24.4 18.3 27.5



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

4.58

5000

4000

3000

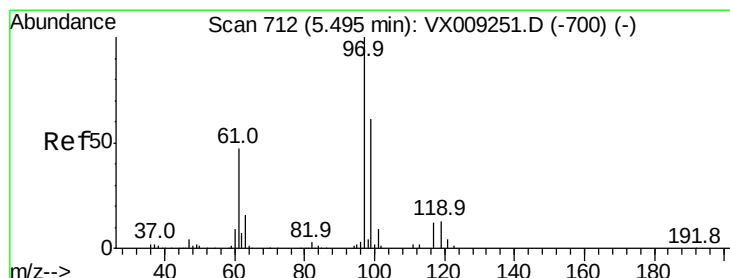
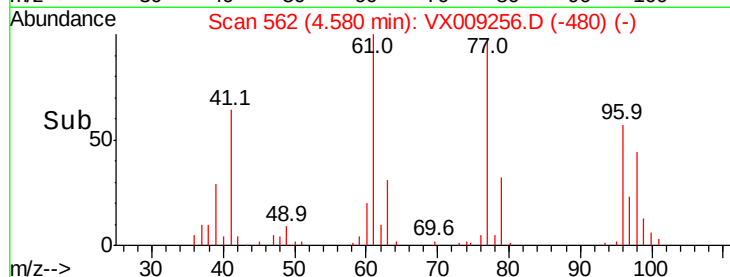
2000

1000

0

Time-->

4.50 4.60 4.70



#32

1,1,1-Trichloroethane

Concen: 5.254 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

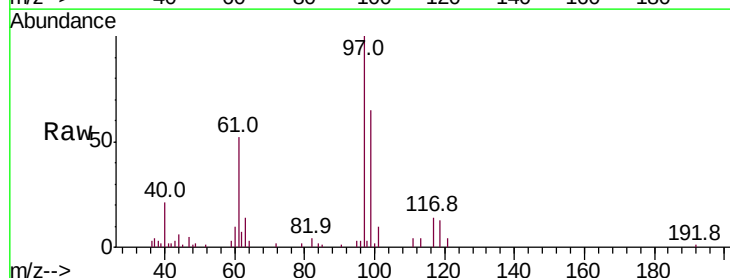
Tgt Ion: 97 Resp: 14591

Ion Ratio Lower Upper

97 100

99 65.7 53.9 80.9

61 50.4 38.6 58.0



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

6000

5000

4000

3000

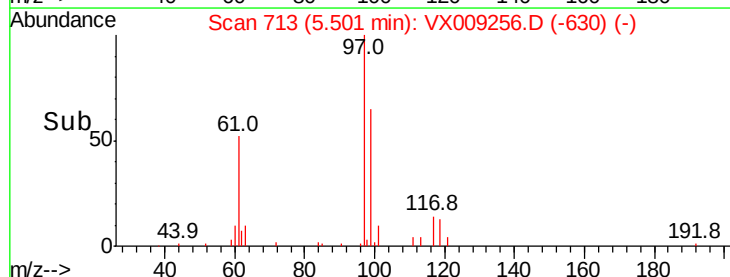
2000

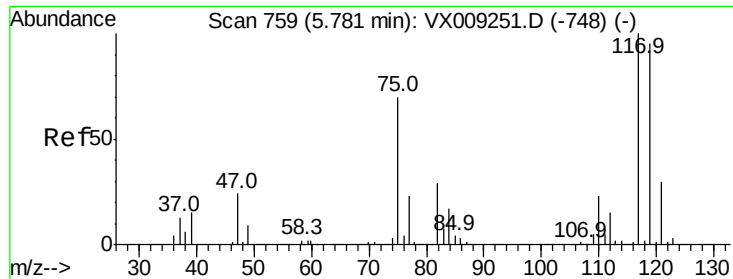
1000

0

Time-->

5.40 5.50 5.60

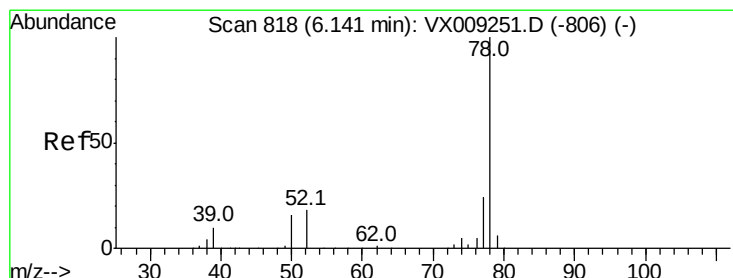
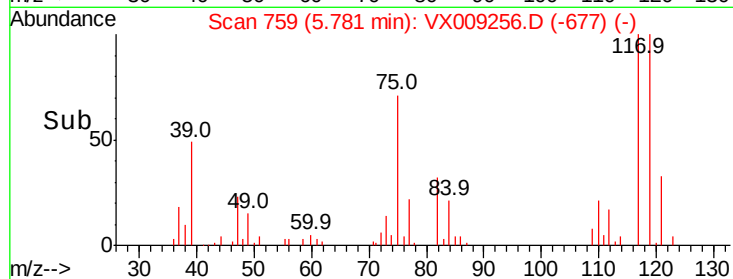
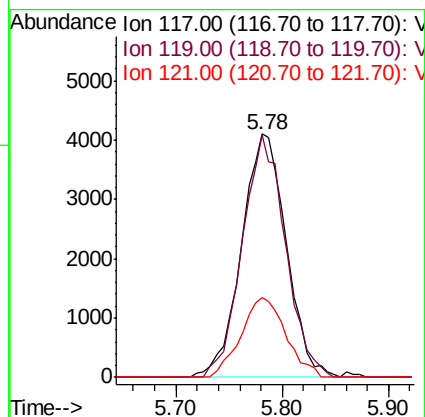
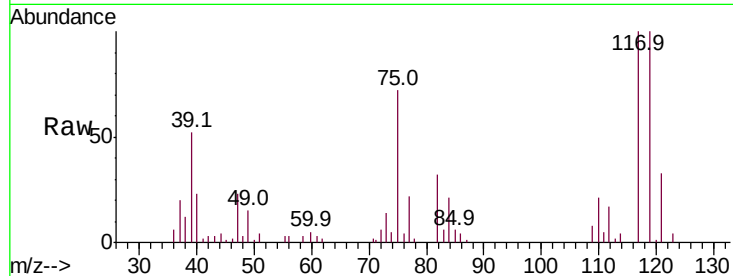




#33
Carbon Tetrachloride
Concen: 5.122 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

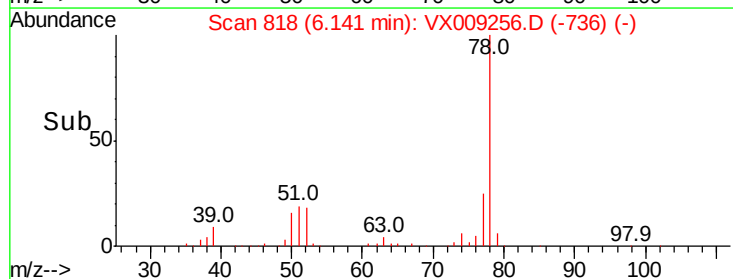
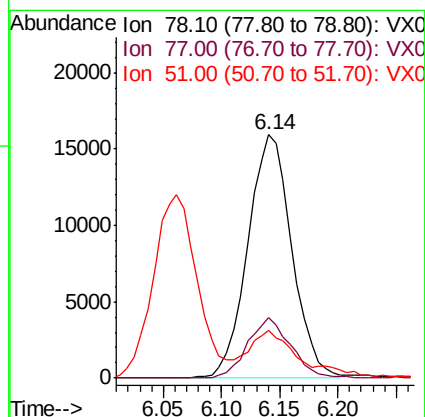
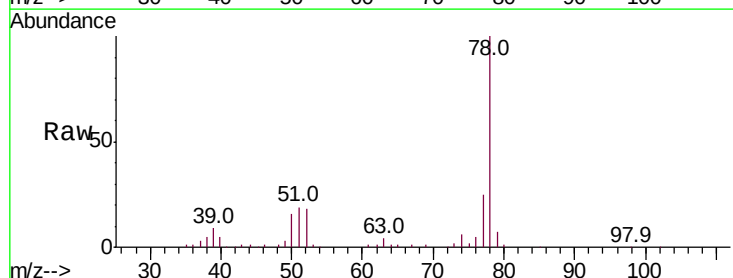
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

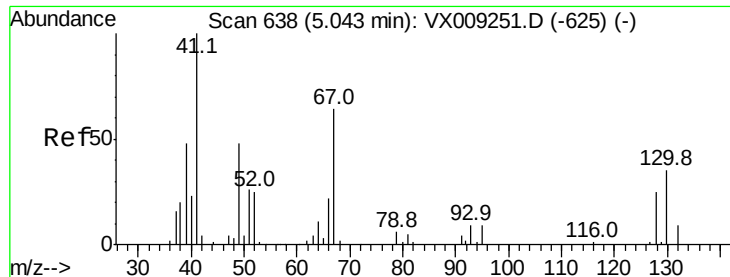
Tot Ion:117 Resp: 12093
Ion Ratio Lower Upper
117 100
119 99.5 76.1 114.1
121 32.6 24.4 36.6



#34
Benzene
Concen: 5.116 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion: 78 Resp: 41935
Ion Ratio Lower Upper
78 100
77 24.9 18.8 28.2
51 16.0 13.5 20.3

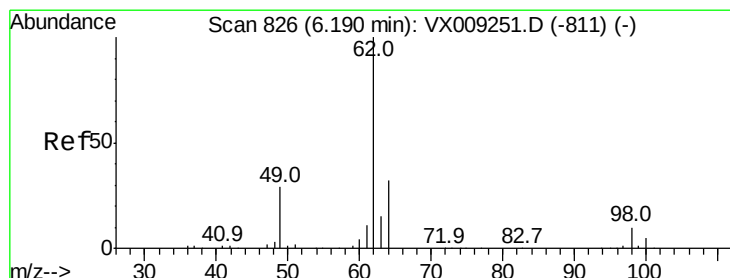
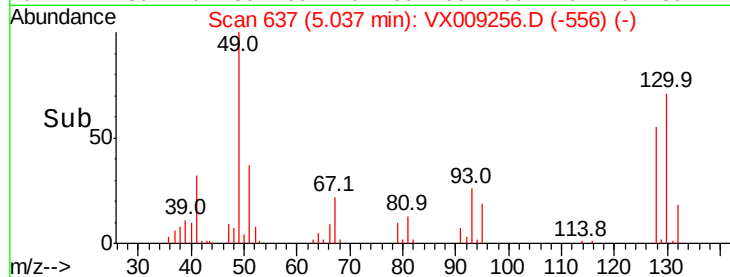
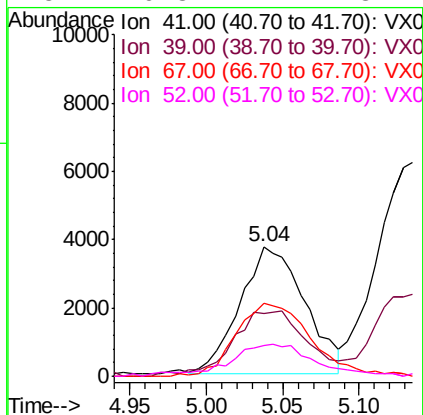
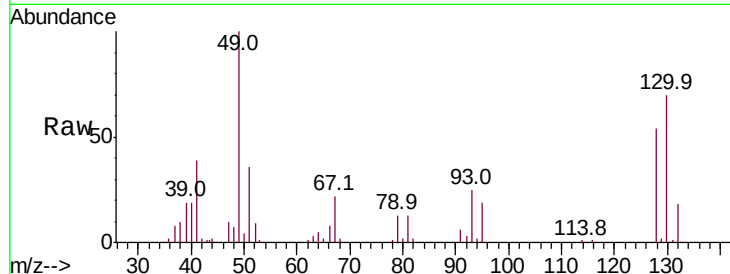




#35
Methacrylonitrile
Concen: 5.037 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

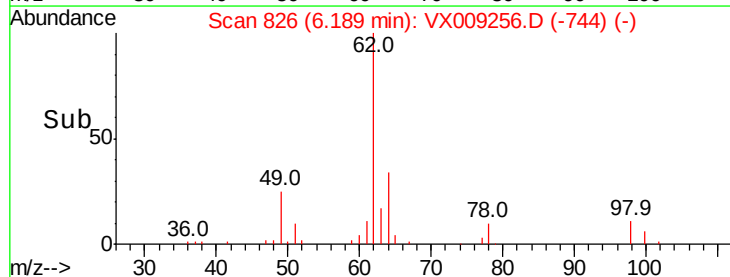
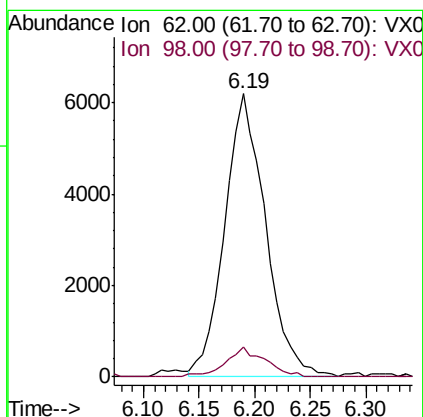
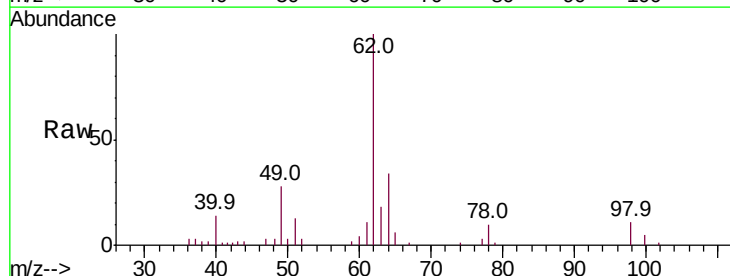
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

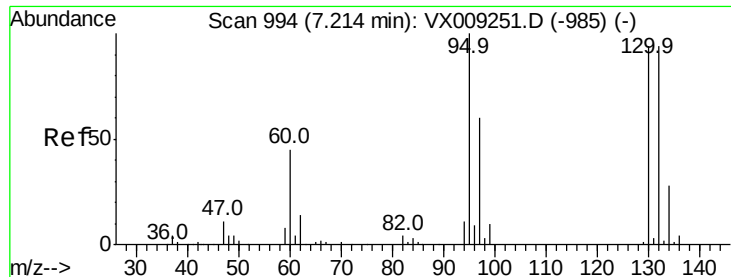
Tot Ion:	41	Resp:	10924
Ion	Ratio	Lower	Upper
41	100		
39	44.9	24.1	72.3
67	56.2	32.2	96.6
52	20.8	12.4	37.4



#36
1,2-Dichloroethane
Concen: 5.338 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion:	62	Resp:	15763
Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.4	11.2

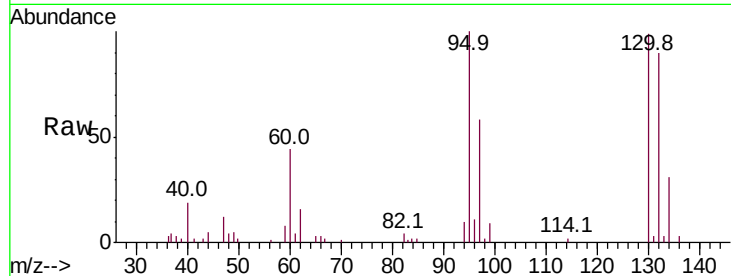




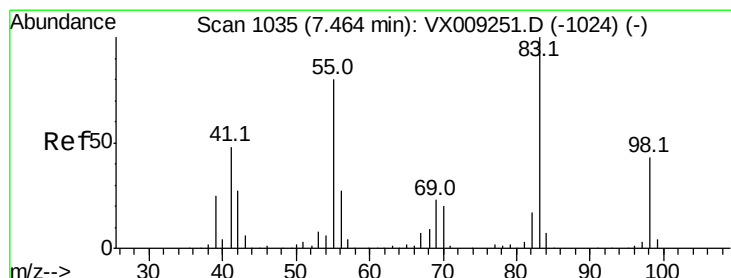
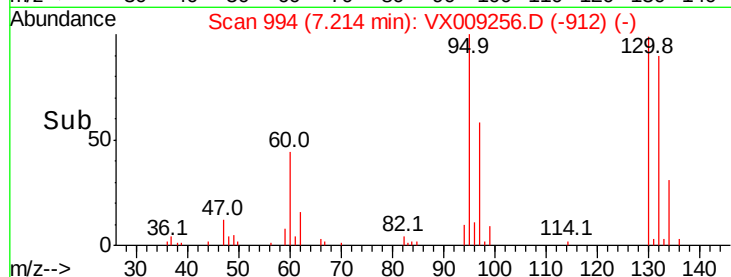
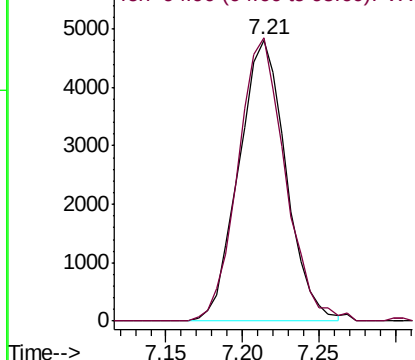
#37
 Trichloroethene
 Concen: 5.374 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion:130 Resp: 10320
 Ion Ratio Lower Upper
 130 100
 95 100.6 85.0 127.4

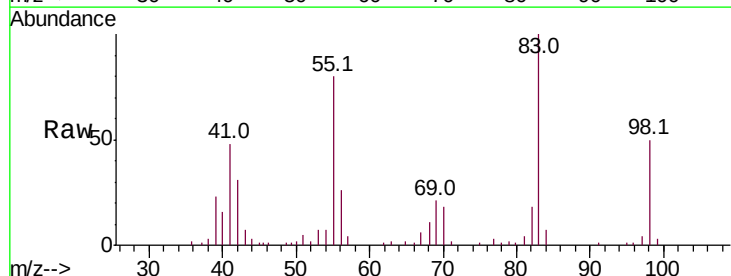


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

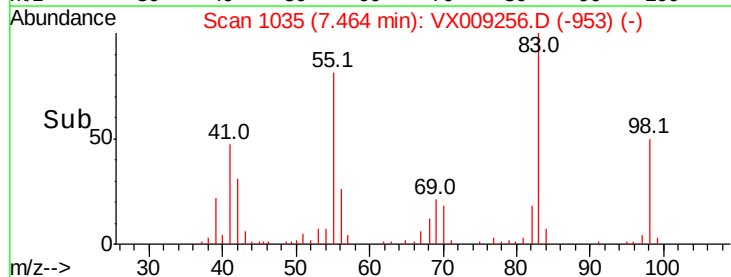
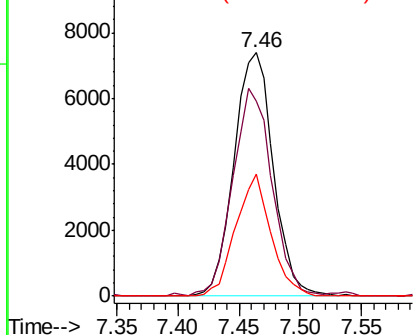


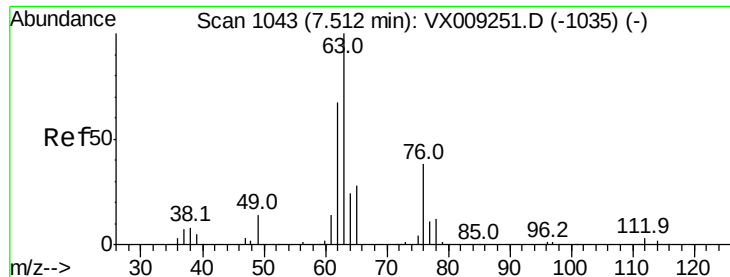
#38
 Methylcyclohexane
 Concen: 5.100 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

Tgt Ion: 83 Resp: 16484
 Ion Ratio Lower Upper
 83 100
 55 85.4 43.0 129.2
 98 44.8 22.1 66.1



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





#39

1,2-Dichloropropane

Concen: 5.209 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

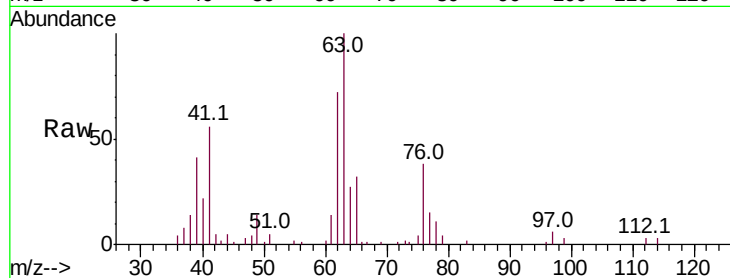
VSTDIC005

Tot Ion: 63 Resp: 11989

Ion Ratio Lower Upper

63 100

65 32.3 24.0 36.0



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.51

6000

4000

2000

0

7.40

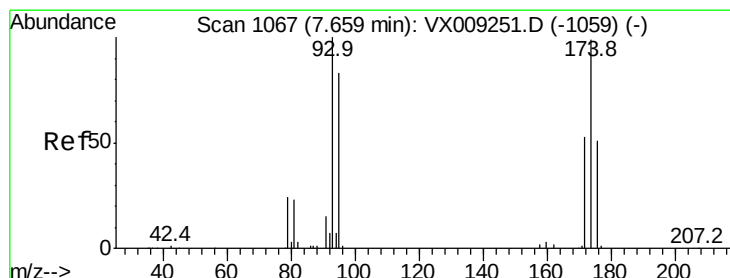
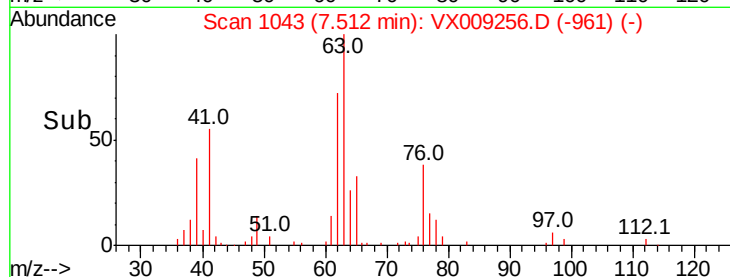
7.45

7.50

7.55

7.60

Time-->



#40

Dibromomethane

Concen: 5.135 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

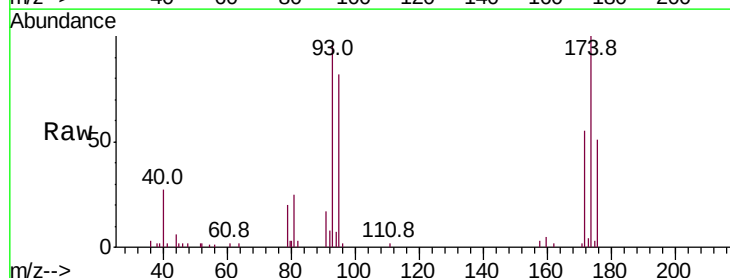
Tgt Ion: 93 Resp: 6731

Ion Ratio Lower Upper

93 100

95 87.2 0.0 167.2

174 110.4 0.0 203.4



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

7.66

5000

4000

3000

2000

1000

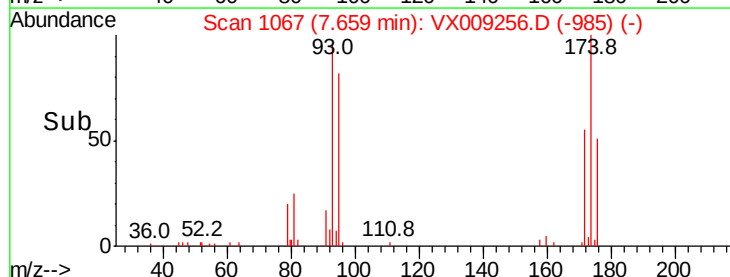
0

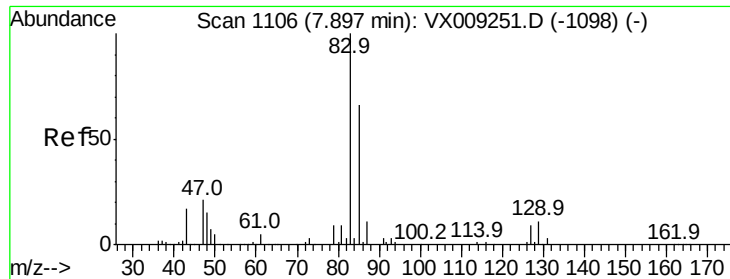
7.60

7.65

7.70

Time-->





#41

Bromodichloromethane

Concen: 5.076 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

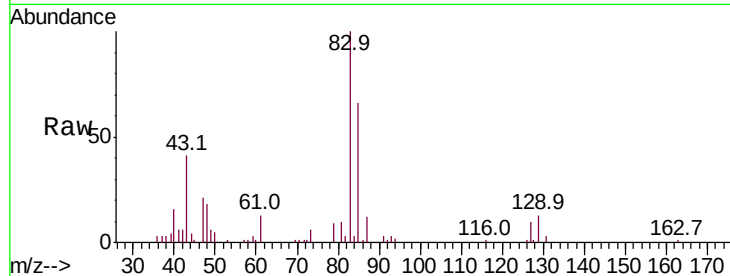
Tot Ion: 83 Resp: 13323

Ion Ratio Lower Upper

83 100

85 66.1 52.6 79.0

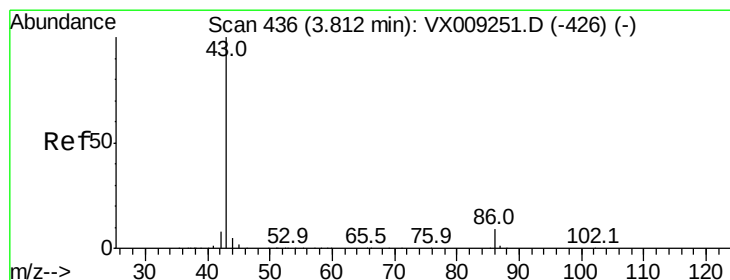
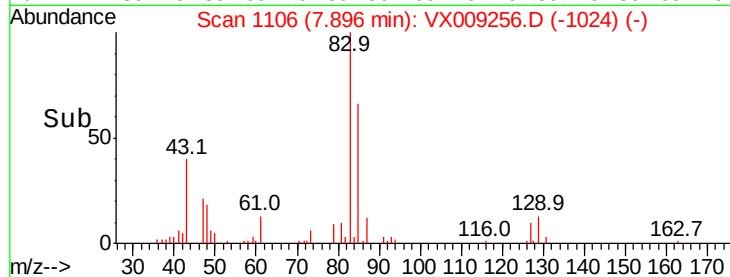
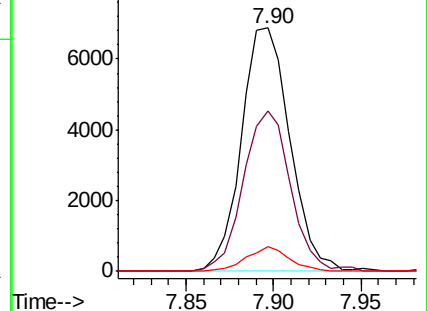
127 10.9 6.9 10.3#



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 24.761 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009256.D

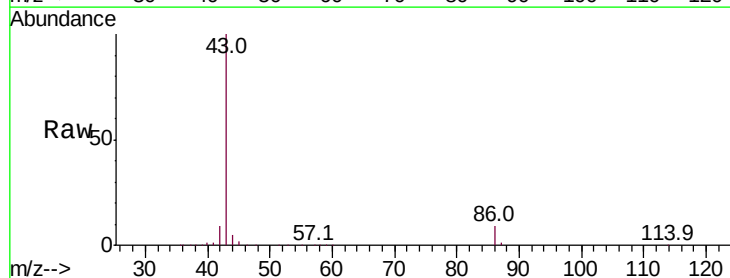
Acq: 01 May 2019 14:17

Tgt Ion: 43 Resp: 169834

Ion Ratio Lower Upper

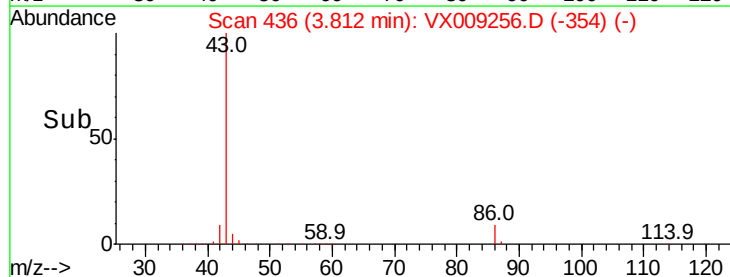
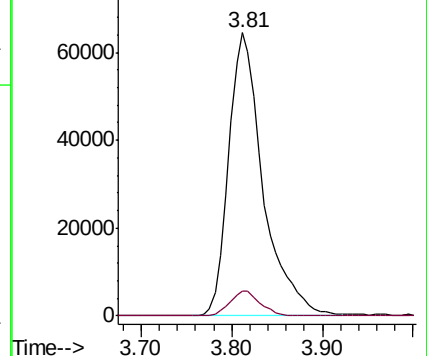
43 100

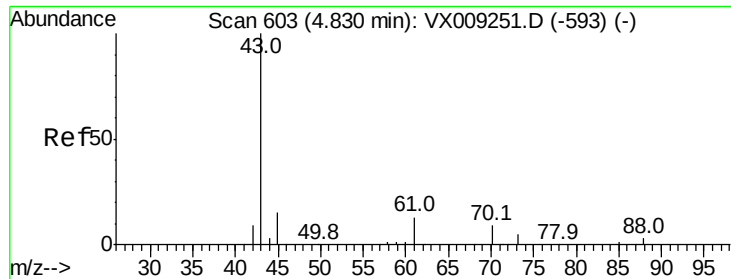
86 7.8 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

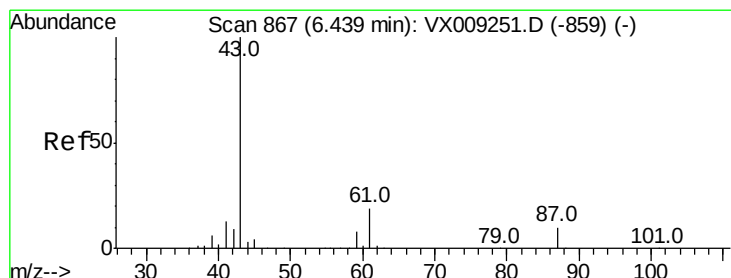
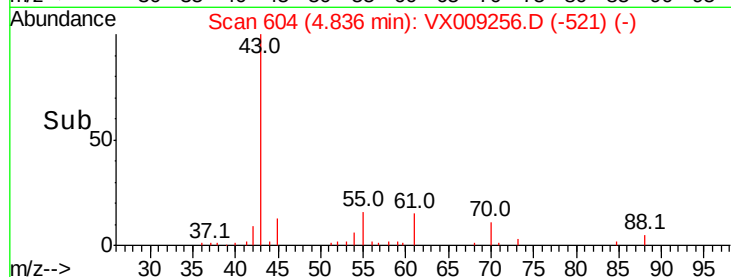
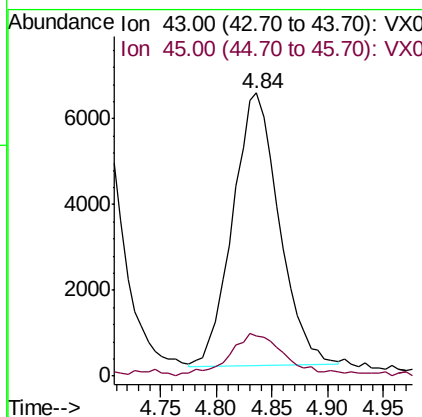
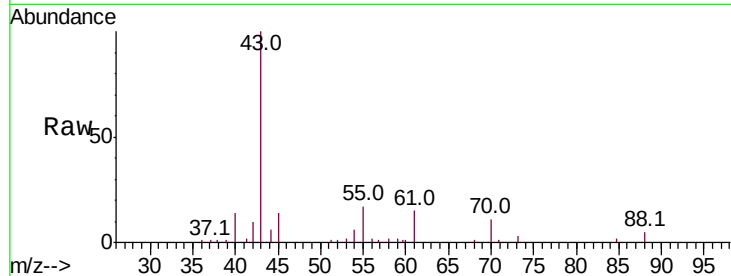




#43
Ethyl Acetate
Concen: 4.806 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

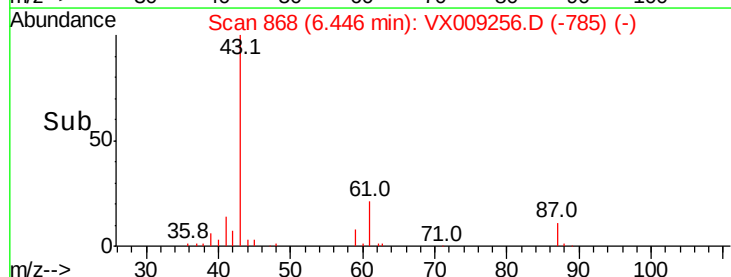
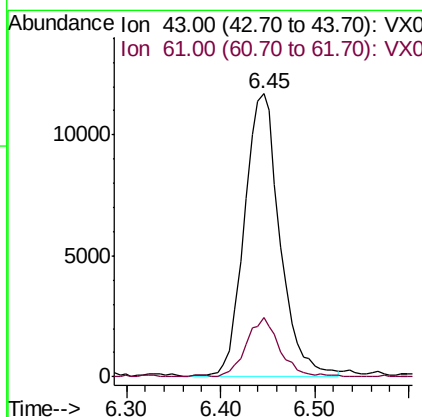
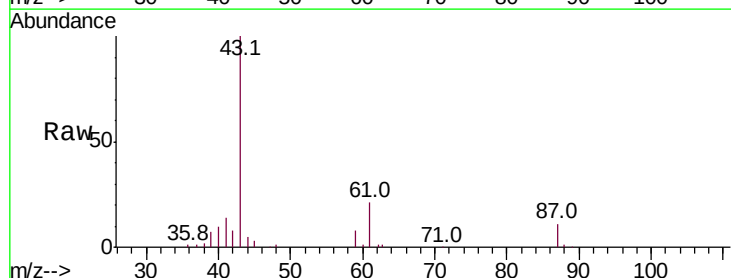
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

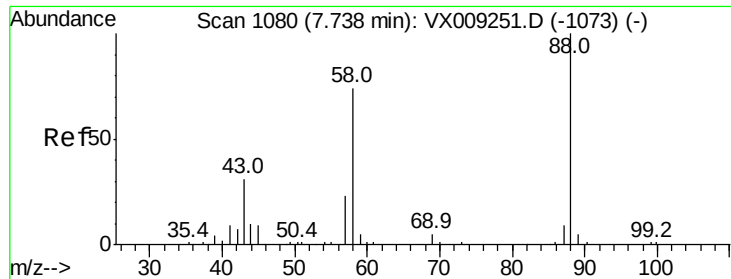
Tot Ion: 43 Resp: 18401
Ion Ratio Lower Upper
43 100
45 15.0 11.8 17.8



#44
Isopropyl Acetate
Concen: 5.290 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion: 43 Resp: 31161
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.2





#45

1,4-Dioxane

Concen: 107.701 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

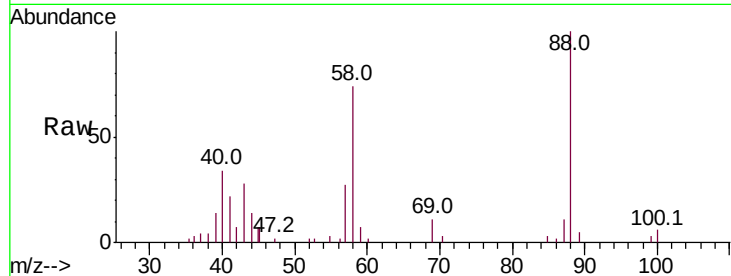
Tot Ion: 88 Resp: 6307

Ion Ratio Lower Upper

88 100

43 34.1 28.5 42.7

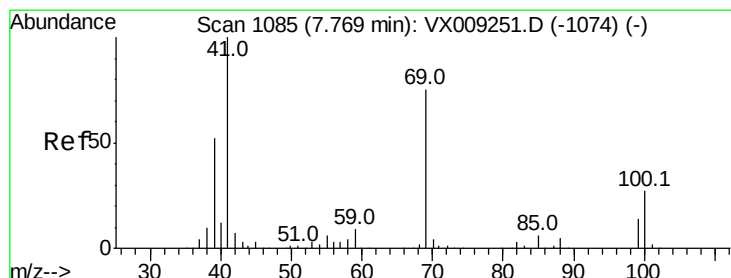
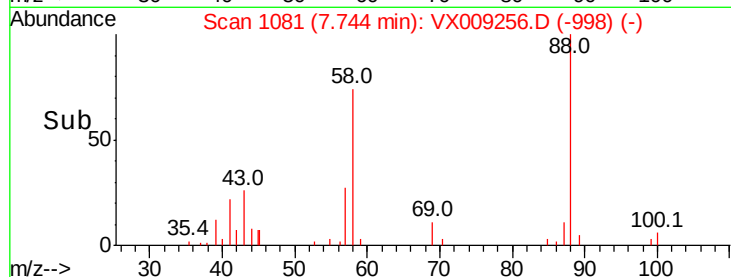
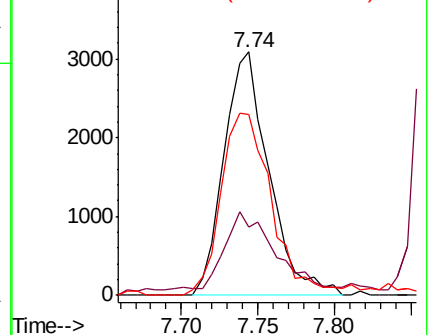
58 79.7 62.5 93.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 5.081 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

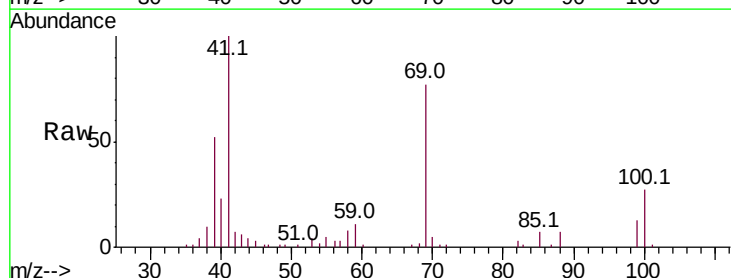
Tgt Ion: 41 Resp: 15129

Ion Ratio Lower Upper

41 100

69 76.8 37.6 112.8

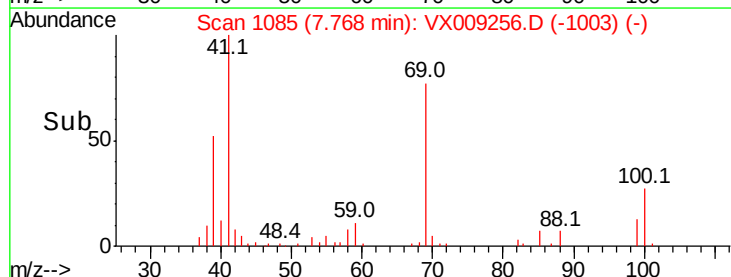
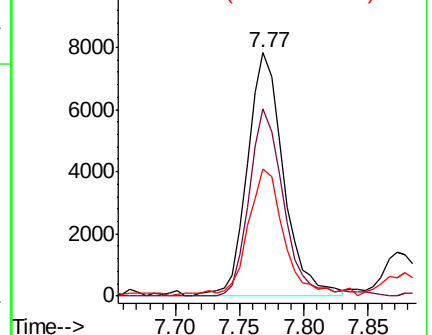
39 51.0 25.8 77.3

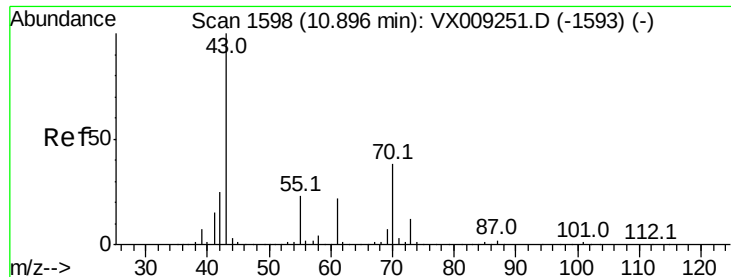


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 4.981 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

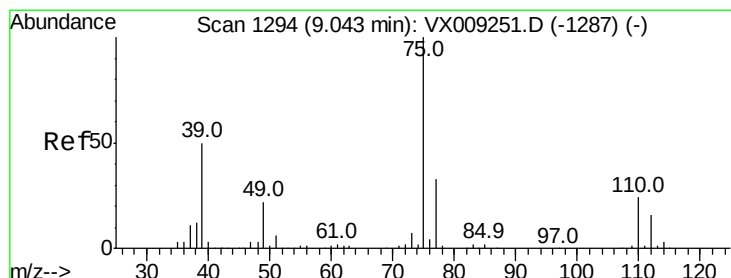
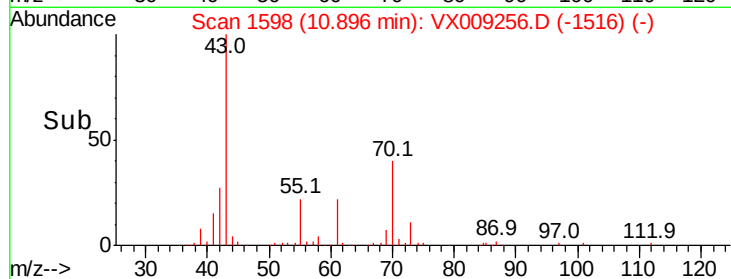
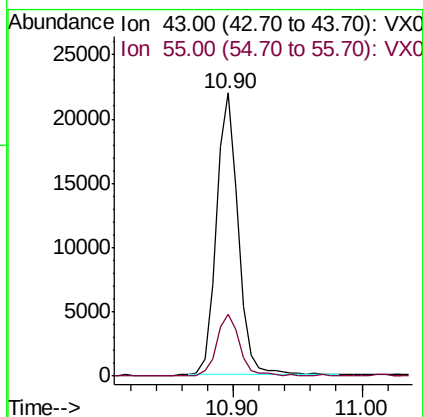
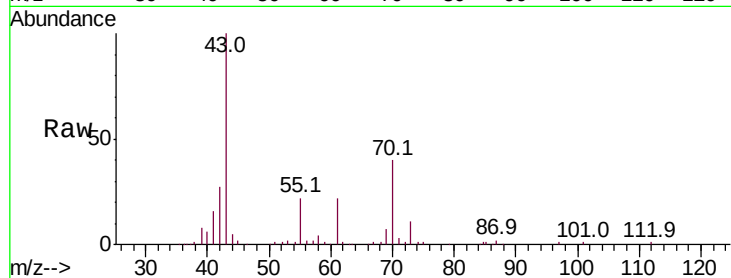
VSTDIC005

Tot Ion: 43 Resp: 26201

Ion Ratio Lower Upper

43 100

55 23.4 18.2 27.4



#48

t-1,3-Dichloropropene

Concen: 4.859 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009256.D

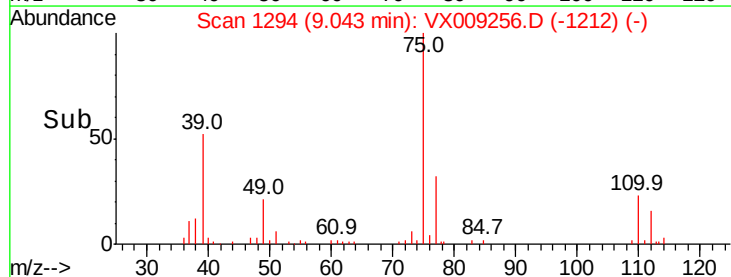
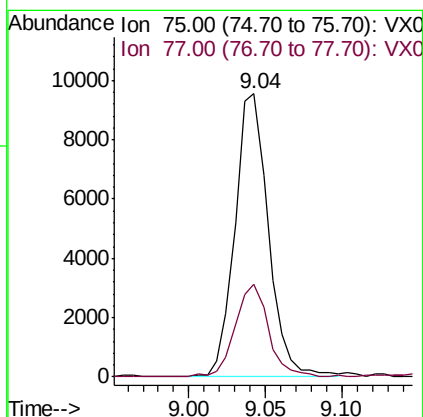
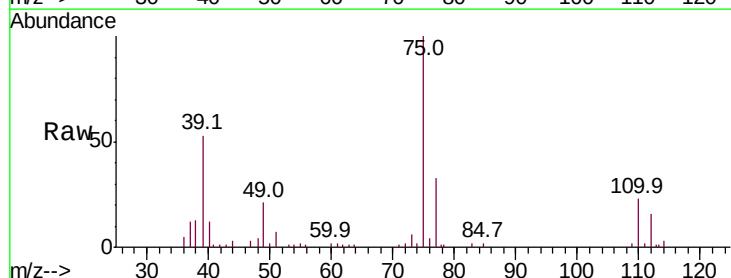
Acq: 01 May 2019 14:17

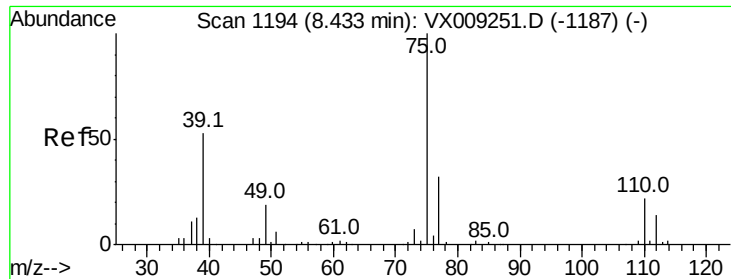
Tgt Ion: 75 Resp: 14585

Ion Ratio Lower Upper

75 100

77 32.9 26.5 39.7



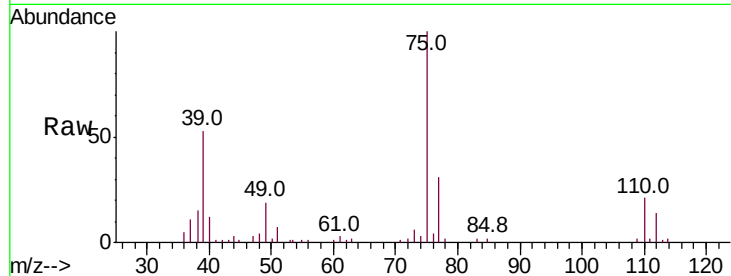


#49

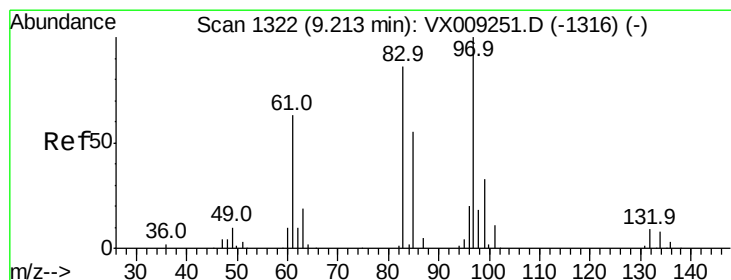
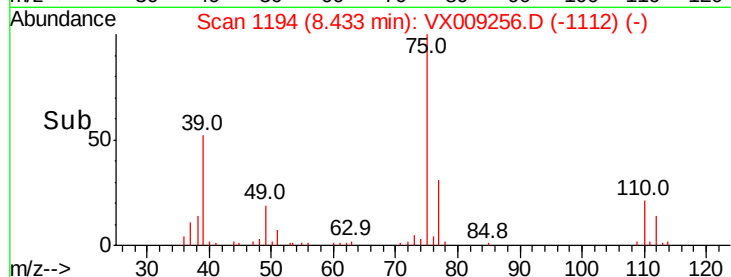
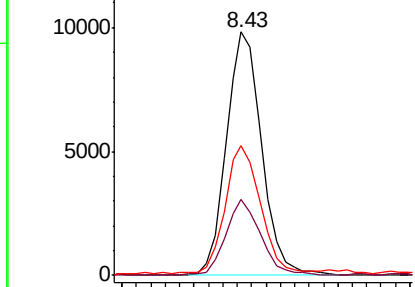
cis-1,3-Dichloropropene
 Concen: 5.045 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 16859
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.0 39.0
 39 52.2 42.6 63.8



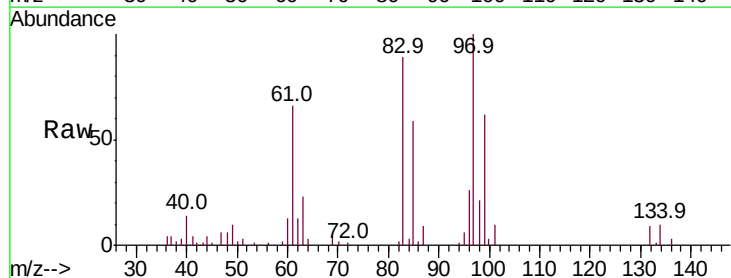
Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0



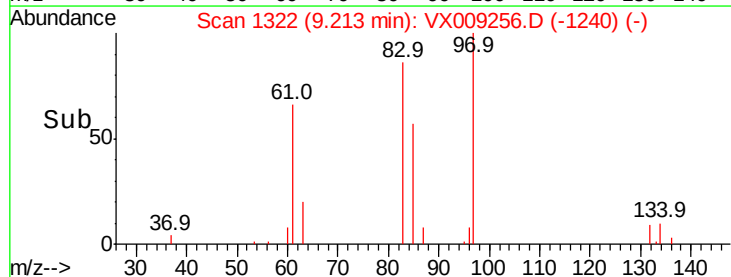
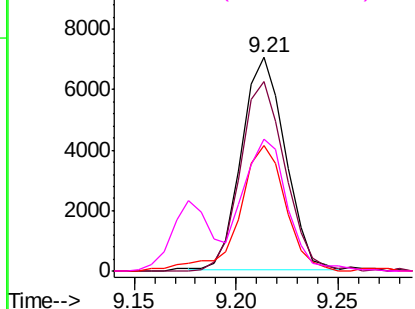
#50

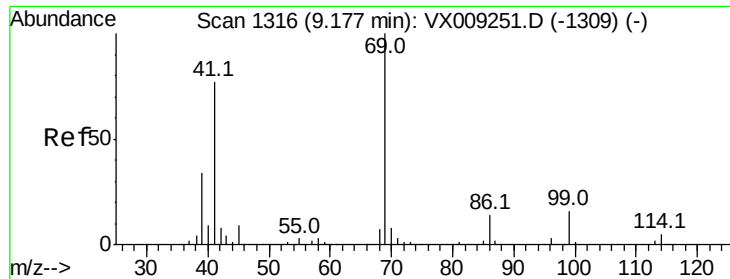
1,1,2-Trichloroethane
 Concen: 5.216 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

Tgt Ion: 97 Resp: 10496
 Ion Ratio Lower Upper
 97 100
 83 89.3 68.8 103.2
 85 59.4 45.8 68.6
 99 59.9 50.0 75.0



Abundance Ion 97.00 (96.70 to 97.70): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 84.95 (84.65 to 85.65): VX0
 Ion 98.95 (98.65 to 99.65): VX0





#51

Ethyl methacrylate

Concen: 5.036 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

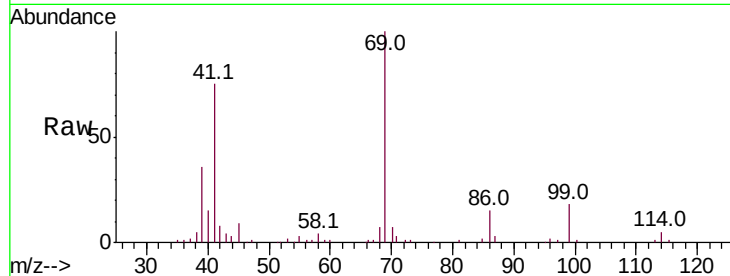
Tot Ion: 69 Resp: 18406

Ion Ratio Lower Upper

69 100

41 73.8 38.4 115.2

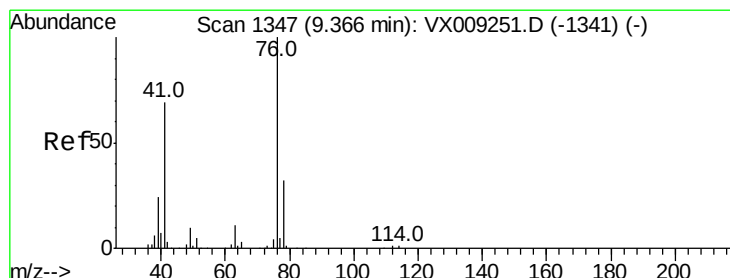
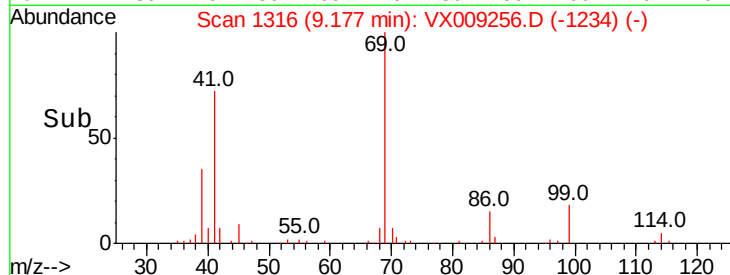
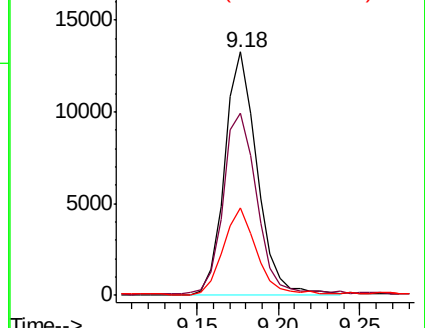
39 35.8 17.2 51.5



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



#52

1,3-Dichloropropane

Concen: 5.227 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX009256.D

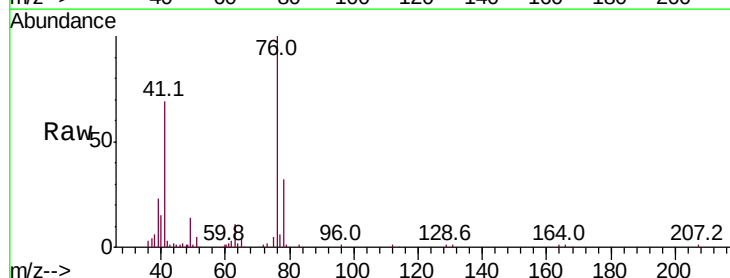
Acq: 01 May 2019 14:17

Tgt Ion: 76 Resp: 18687

Ion Ratio Lower Upper

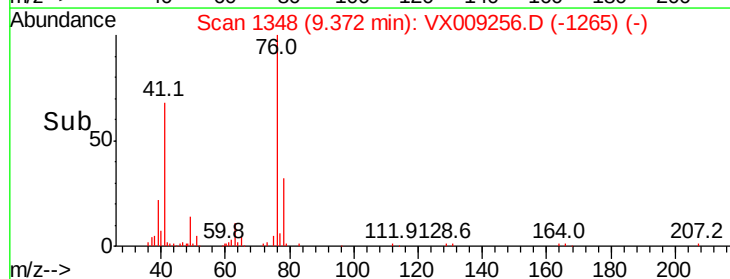
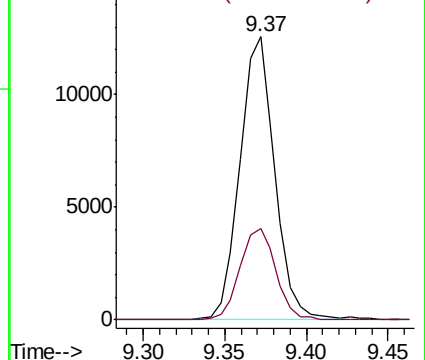
76 100

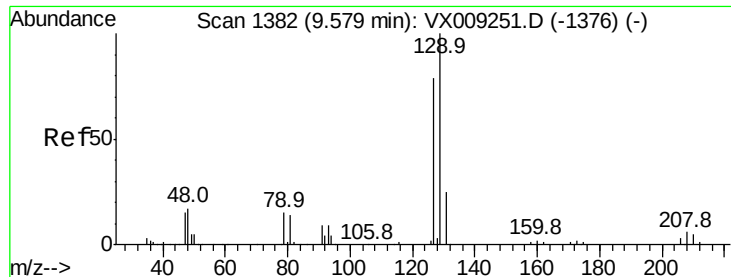
78 33.3 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 4.879 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

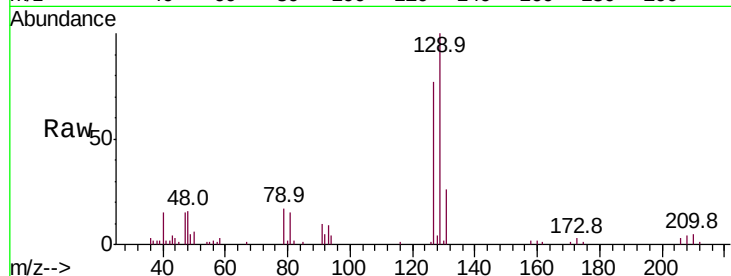
VSTDIC005

Tot Ion:129 Resp: 9441

Ion Ratio Lower Upper

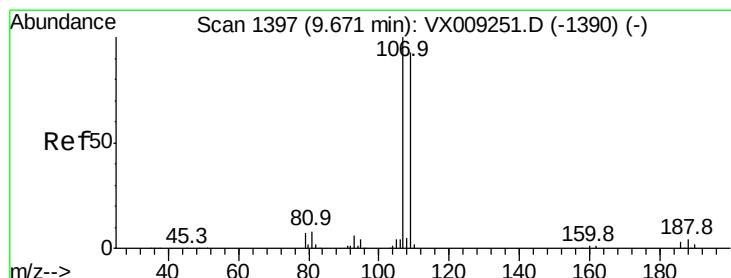
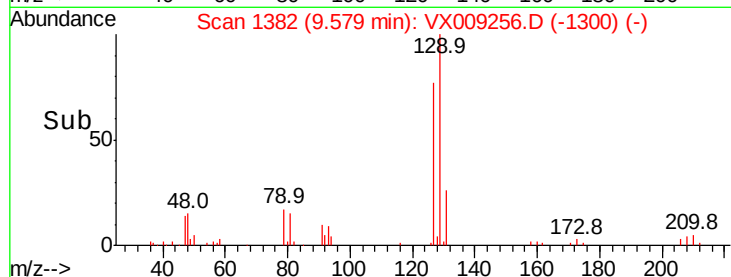
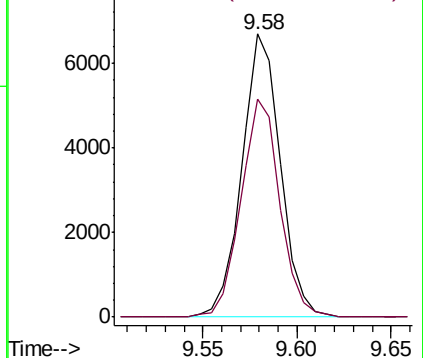
129 100

127 77.9 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.160 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009256.D

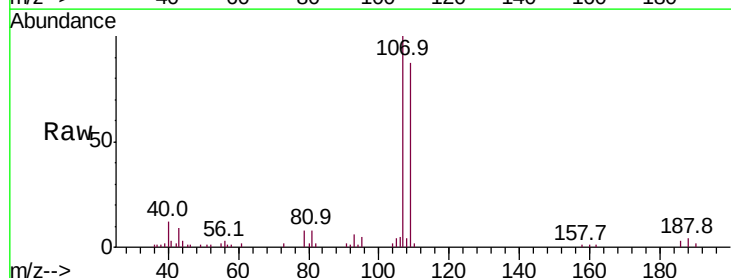
Acq: 01 May 2019 14:17

Tgt Ion:107 Resp: 10550

Ion Ratio Lower Upper

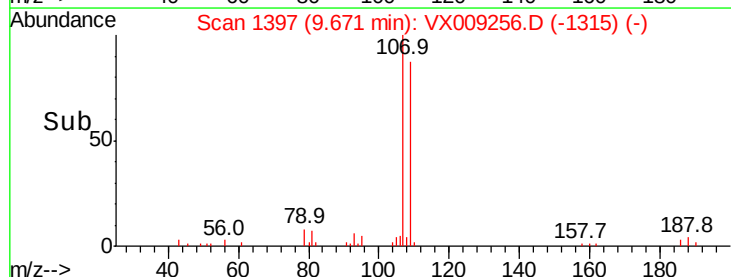
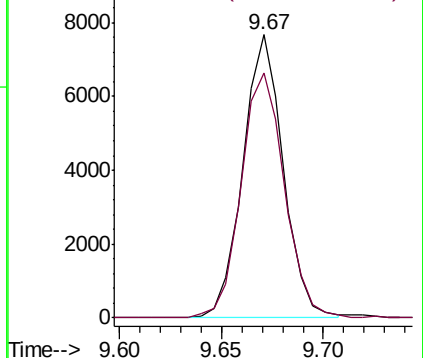
107 100

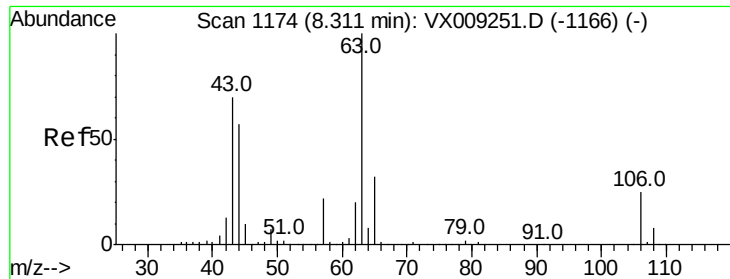
109 92.9 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 22.919 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

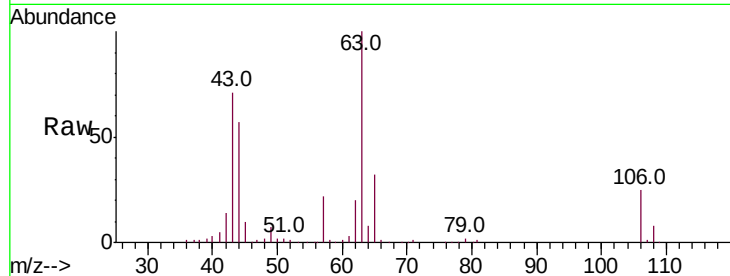
Tot Ion: 63 Resp: 47187

Ion Ratio Lower Upper

63 100

65 32.8 25.8 38.6

106 25.1 19.8 29.6

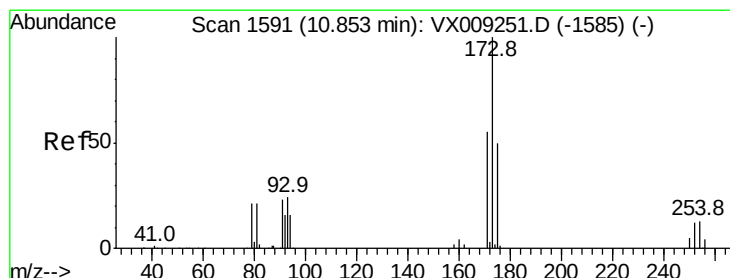
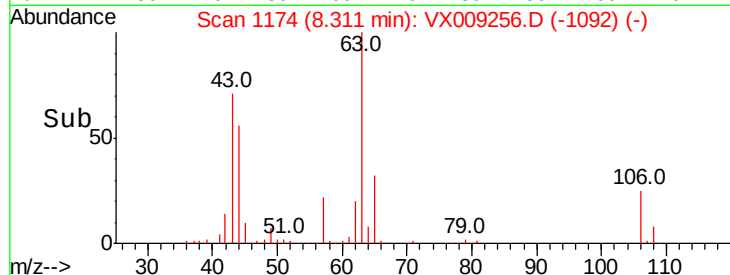
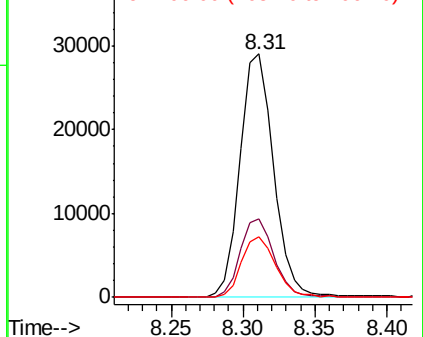


Abundance

Ion 63.00 (62.70 to 63.70): VX009256.D (-1092) (-)

Ion 65.00 (64.70 to 65.70): VX009256.D (-1092) (-)

Ion 106.00 (105.70 to 106.70): VX009256.D (-1092) (-)



#56

Bromoform

Concen: 4.897 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

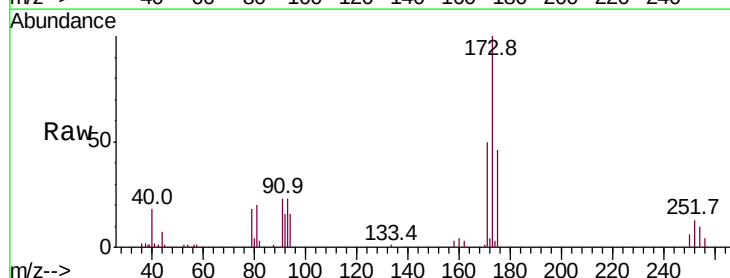
Tgt Ion: 173 Resp: 7041

Ion Ratio Lower Upper

173 100

175 47.8 39.4 59.2

254 12.0 9.9 14.9

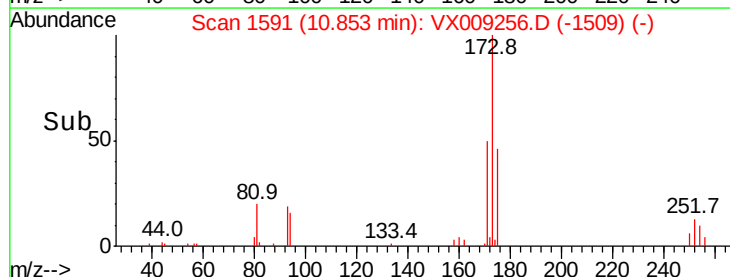
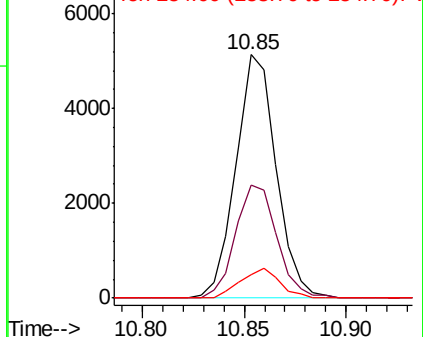


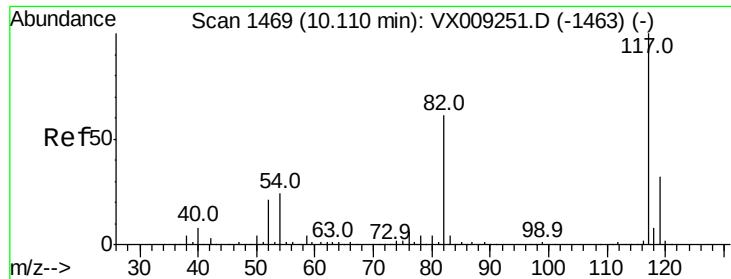
Abundance

Ion 173.00 (172.70 to 173.70): VX009256.D (-1509) (-)

Ion 175.00 (174.70 to 175.70): VX009256.D (-1509) (-)

Ion 254.00 (253.70 to 254.70): VX009256.D (-1509) (-)

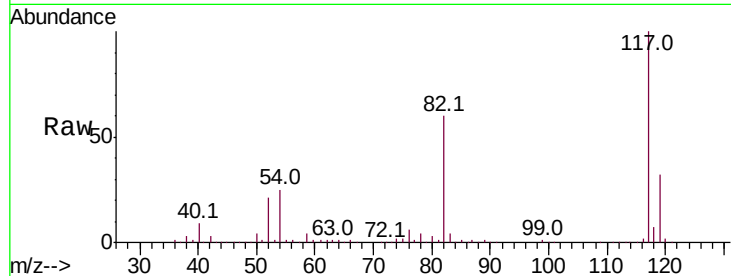




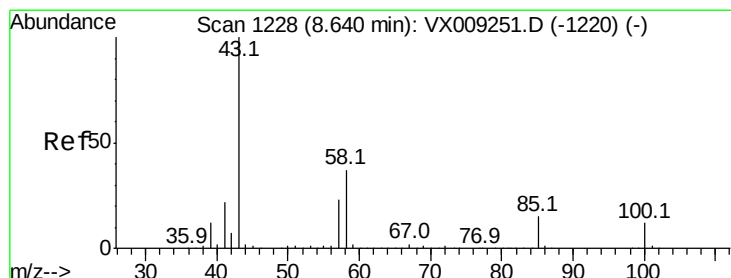
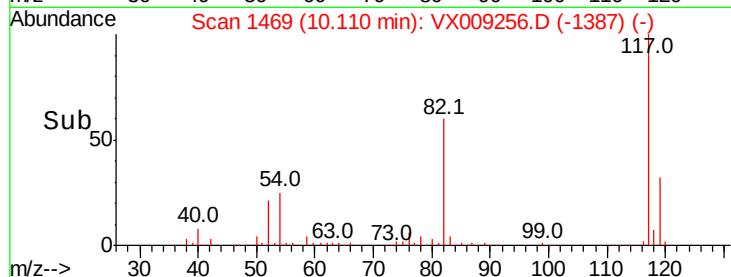
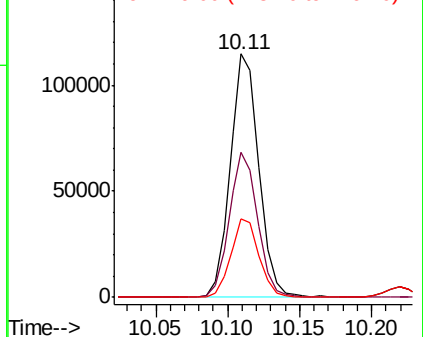
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 159548
Ion Ratio Lower Upper
117 100
82 59.5 47.8 71.8
119 32.3 25.6 38.4

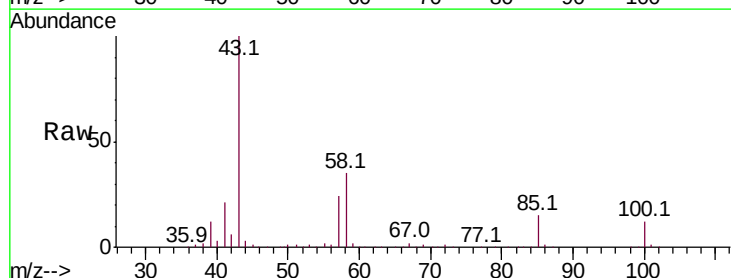


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

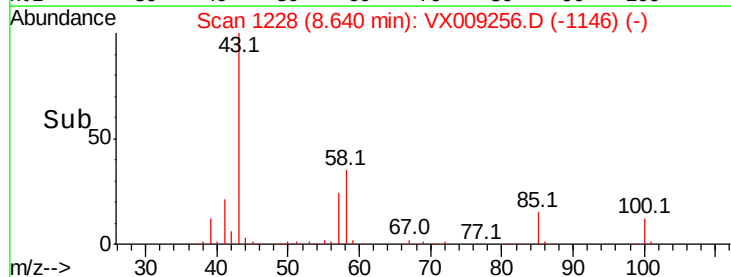
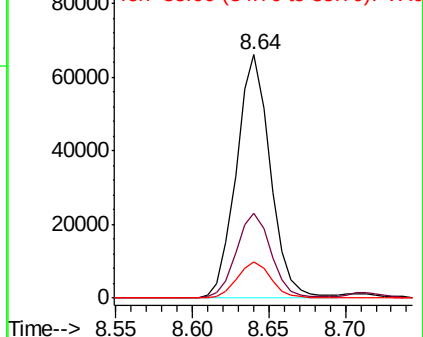


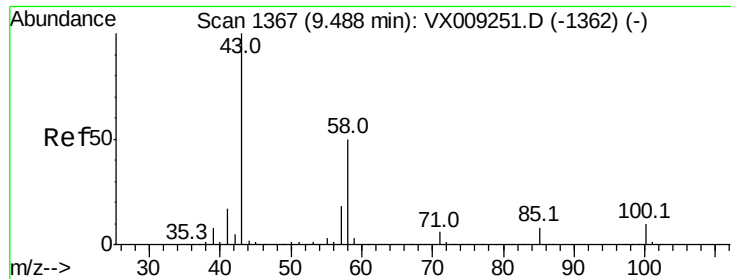
#58
4-Methyl-2-Pentanone
Concen: 26.078 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion: 43 Resp: 101737
Ion Ratio Lower Upper
43 100
58 36.2 29.4 44.0
85 14.8 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

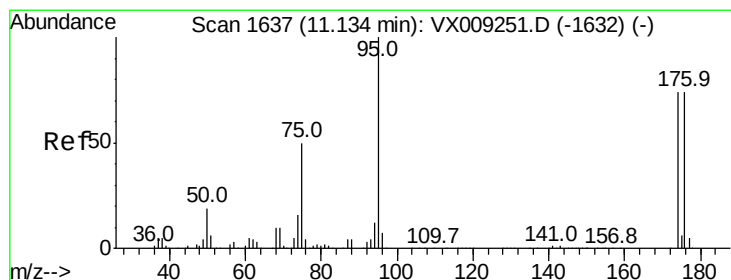
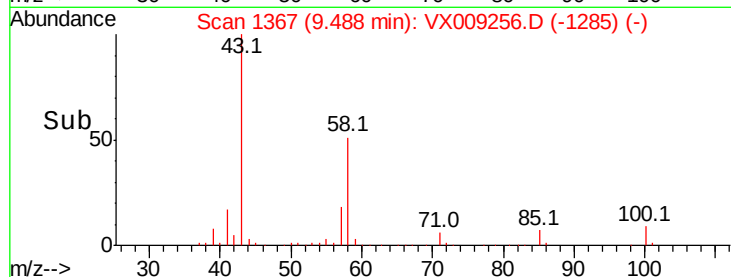
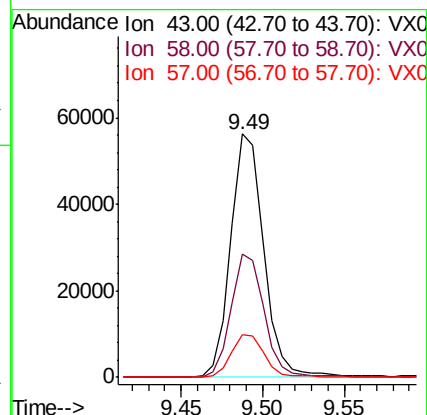
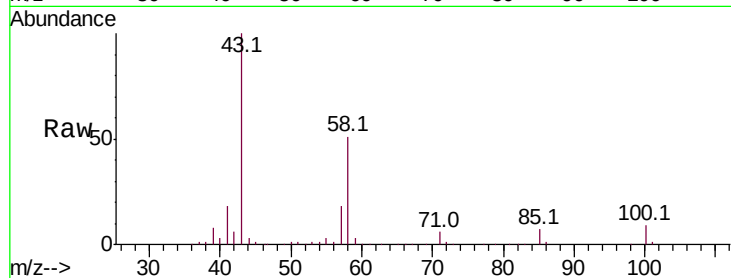




#59
2-Hexanone
Concen: 25.607 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

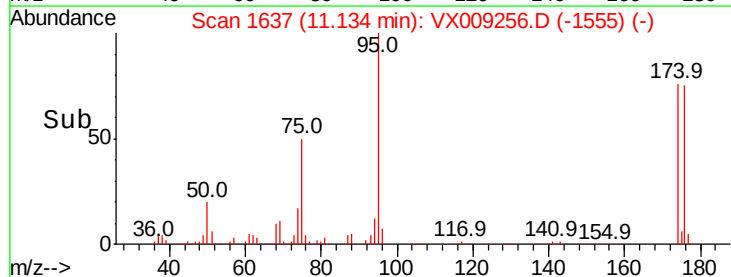
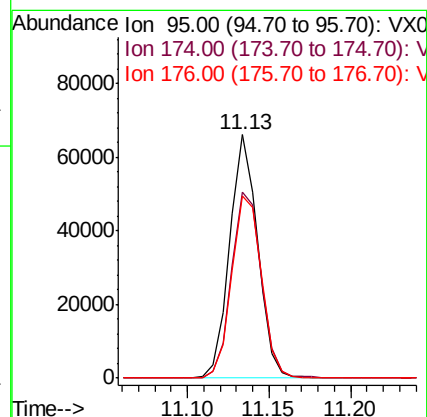
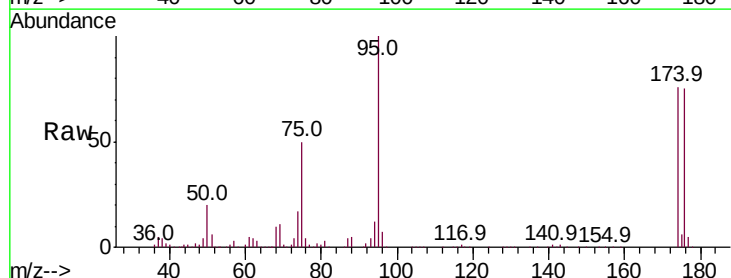
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

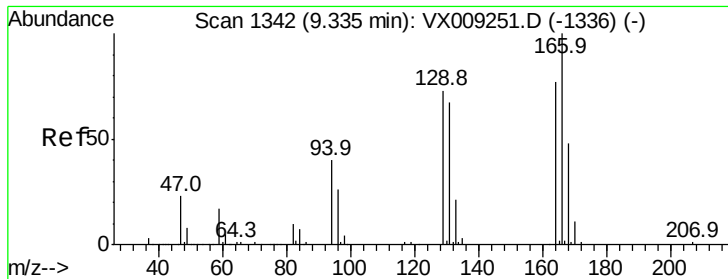
Tot Ion: 43 Resp: 78791
Ion Ratio Lower Upper
43 100
58 51.0 40.8 61.2
57 17.7 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 28.958 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion: 95 Resp: 79289
Ion Ratio Lower Upper
95 100
174 80.9 63.6 95.4
176 79.7 62.4 93.6





#61

Tetrachloroethene

Concen: 5.396 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 9480

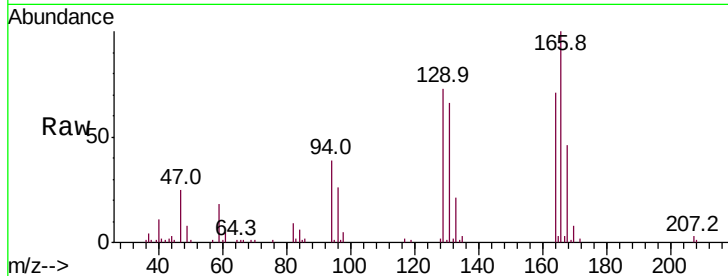
Ion Ratio Lower Upper

164 100

166 139.9 104.1 156.1

129 101.9 76.0 114.0

131 91.7 70.1 105.1

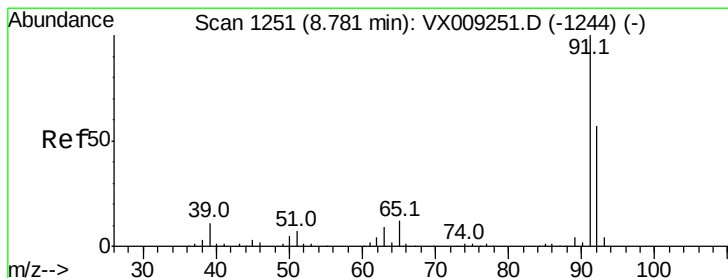
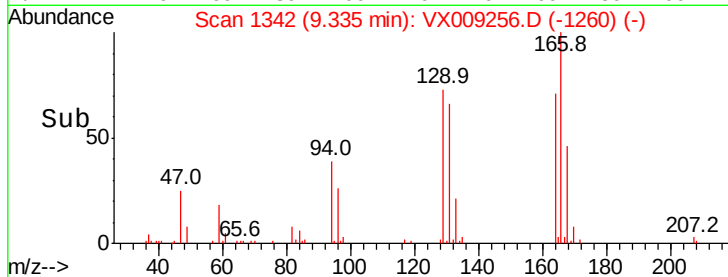
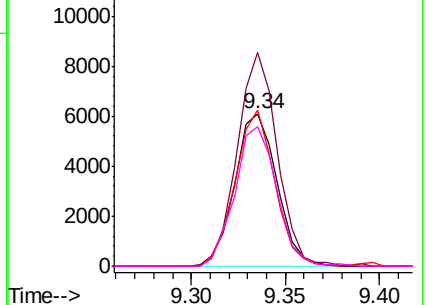


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.145 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009256.D

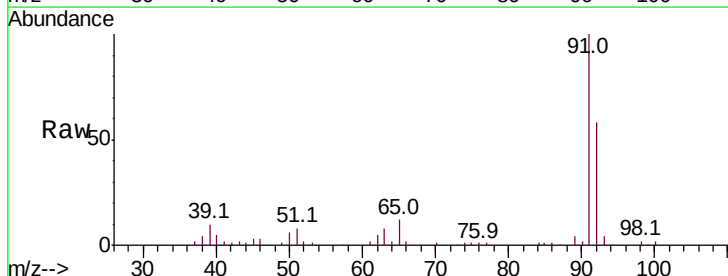
Acq: 01 May 2019 14:17

Tgt Ion: 91 Resp: 44093

Ion Ratio Lower Upper

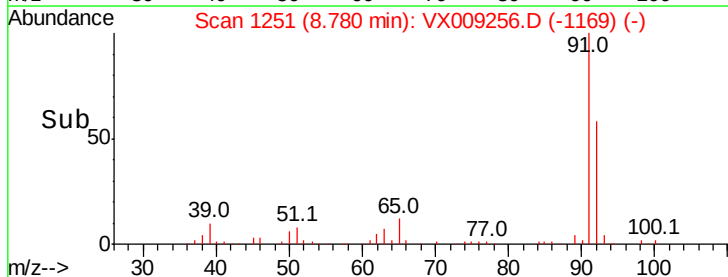
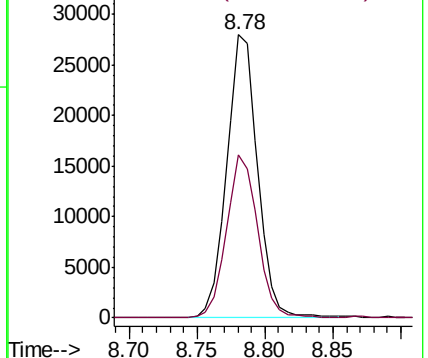
91 100

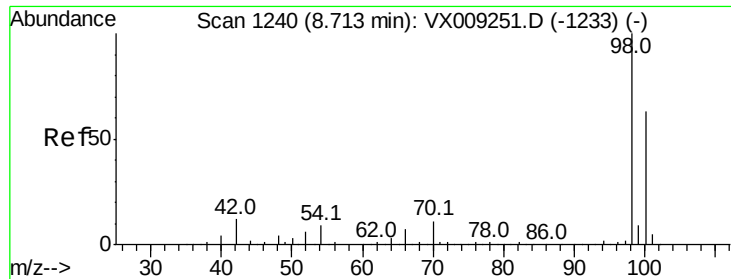
92 58.1 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.818 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

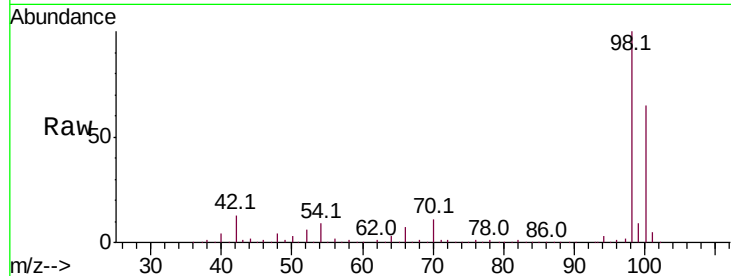
VSTDIC005

Tot Ion: 98 Resp: 229940

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

150000

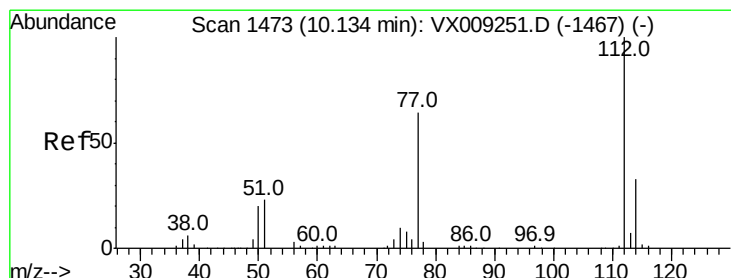
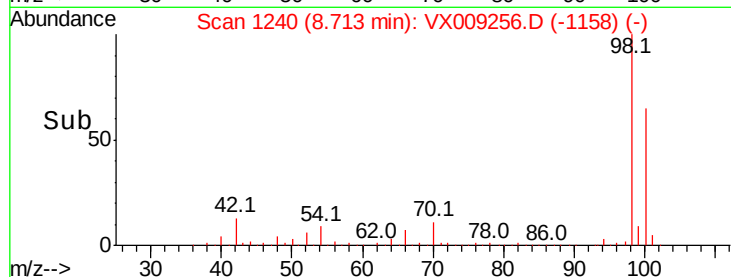
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 5.313 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009256.D

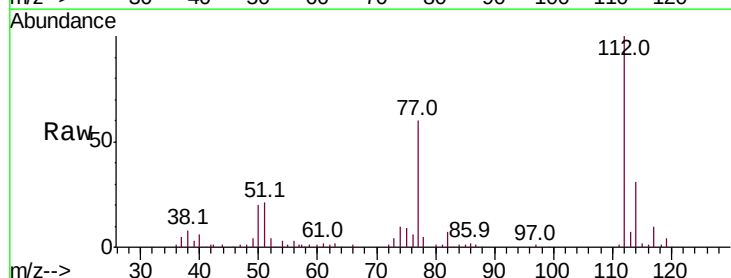
Acq: 01 May 2019 14:17

Tgt Ion: 112 Resp: 26865

Ion Ratio Lower Upper

112 100

114 31.3 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

20000

15000

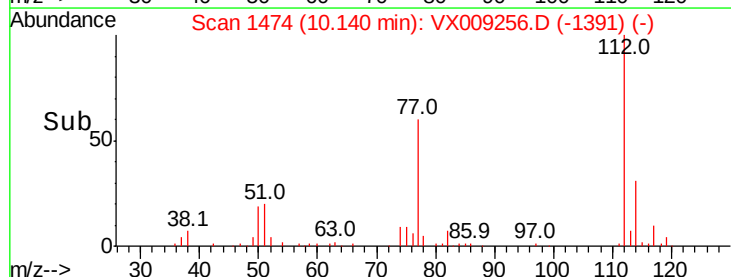
10000

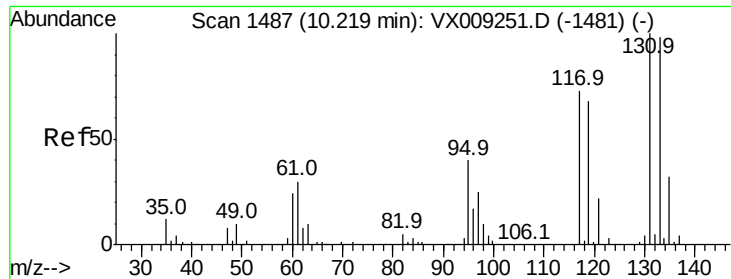
5000

0

10.10 10.14 10.18 10.22

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 5.225 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

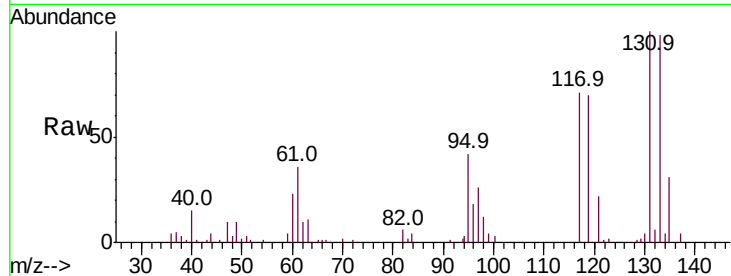
Tot Ion:131 Resp: 9560

Ion Ratio Lower Upper

131 100

133 96.6 0.0 191.2

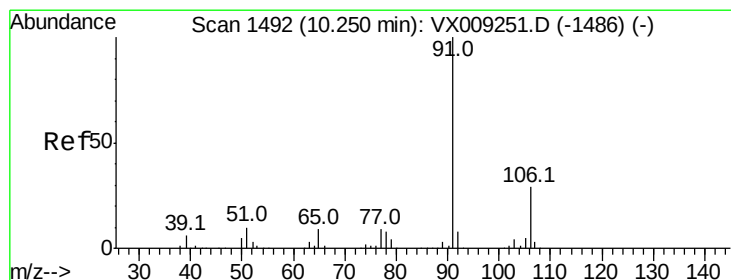
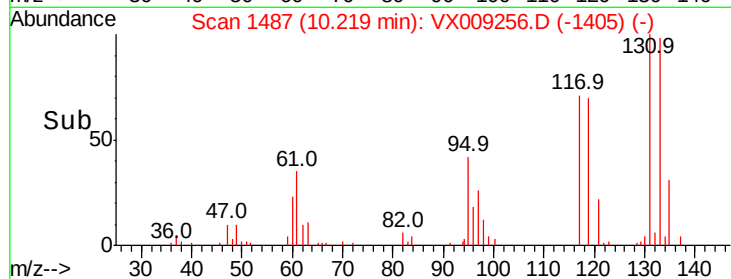
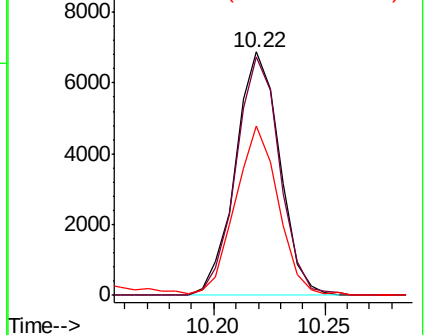
119 65.4 0.0 135.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.117 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009256.D

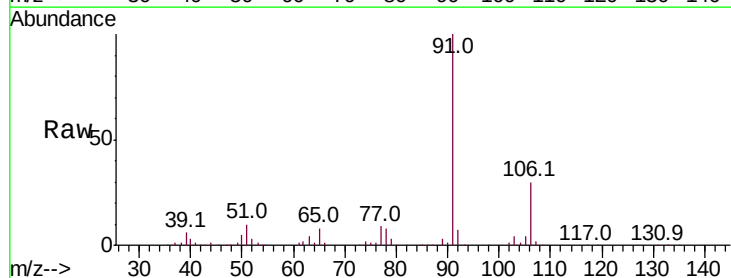
Acq: 01 May 2019 14:17

Tgt Ion: 91 Resp: 48378

Ion Ratio Lower Upper

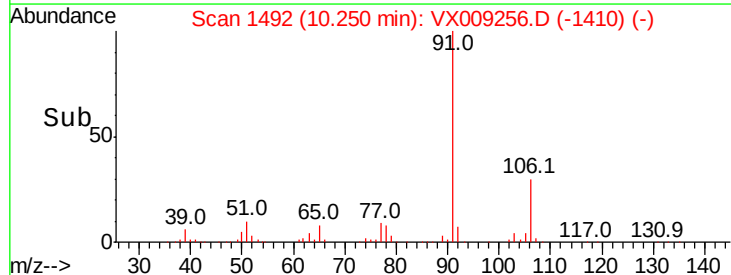
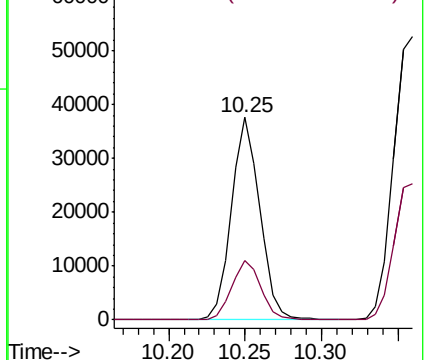
91 100

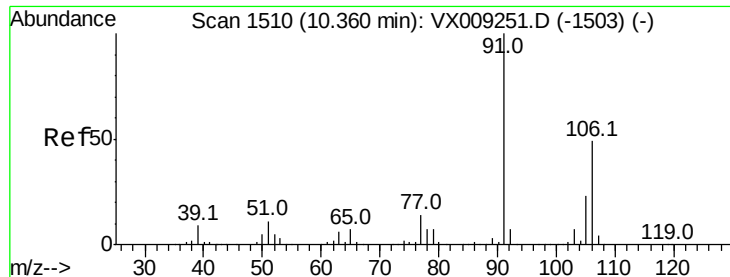
106 29.7 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 10.084 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

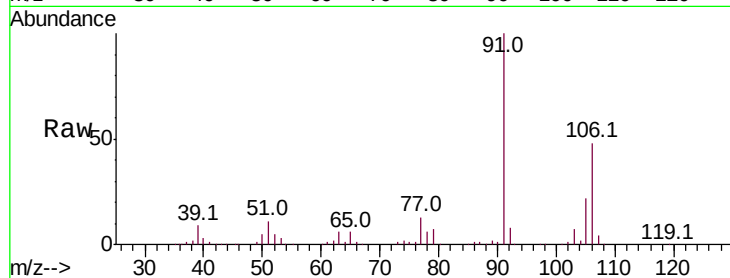
VSTDIC005

Tot Ion:106 Resp: 34719

Ion Ratio Lower Upper

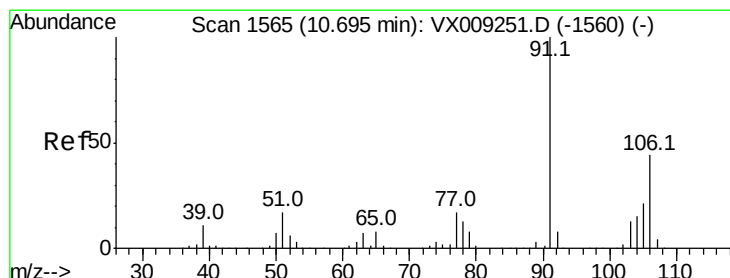
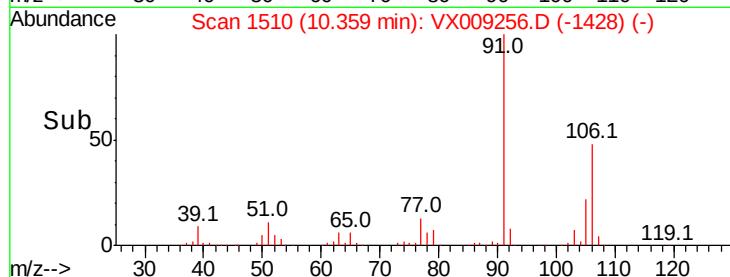
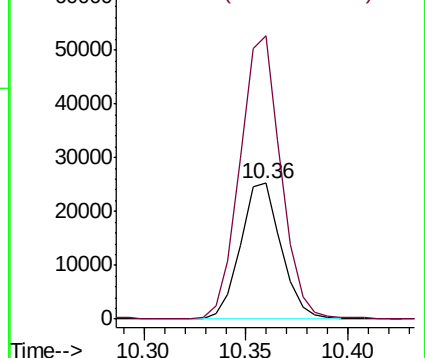
106 100

91 211.1 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 5.257 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009256.D

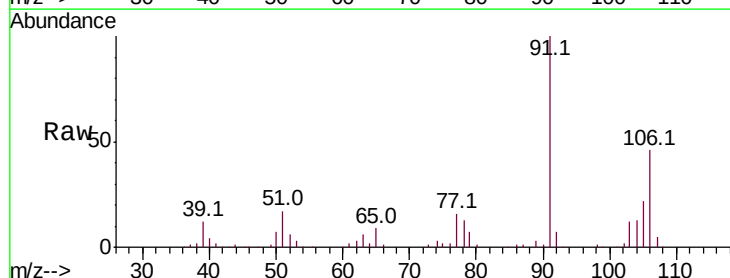
Acq: 01 May 2019 14:17

Tgt Ion:106 Resp: 17596

Ion Ratio Lower Upper

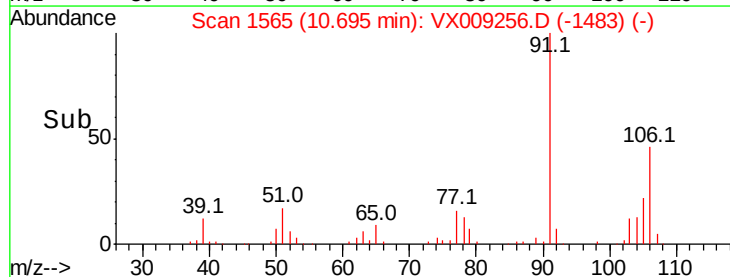
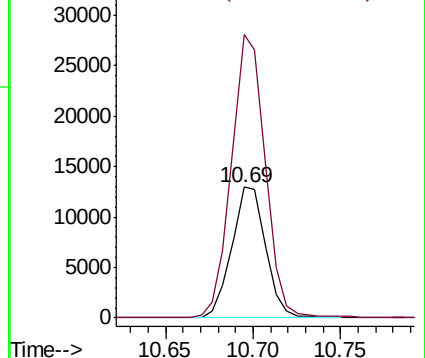
106 100

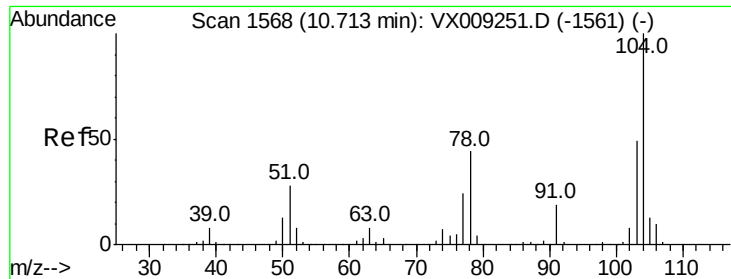
91 214.4 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

Stvrene

Concen: 4.997 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

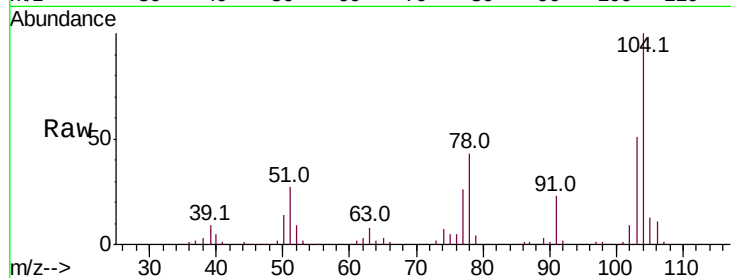
Tot Ion:104 Resp: 29386

Ion Ratio Lower Upper

104 100

78 53.0 41.1 61.7

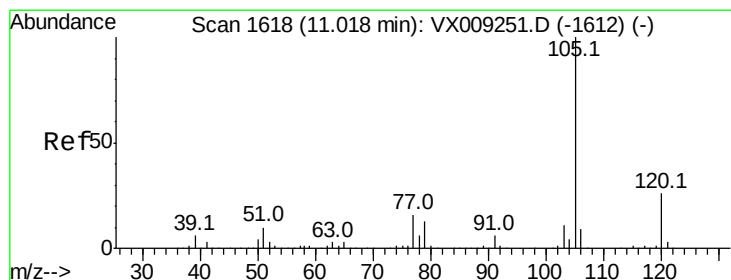
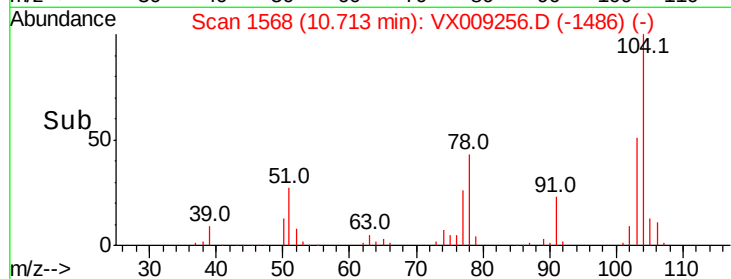
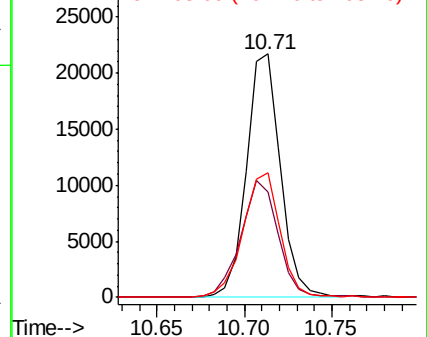
103 56.0 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 5.191 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009256.D

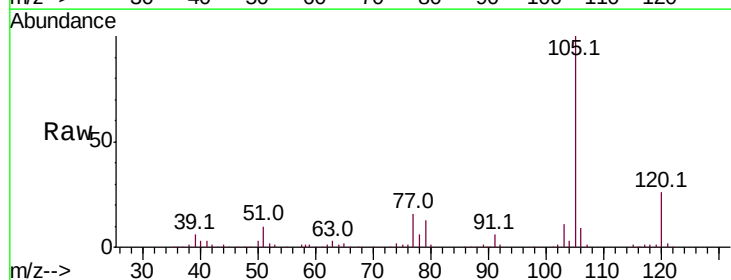
Acq: 01 May 2019 14:17

Tgt Ion:105 Resp: 47354

Ion Ratio Lower Upper

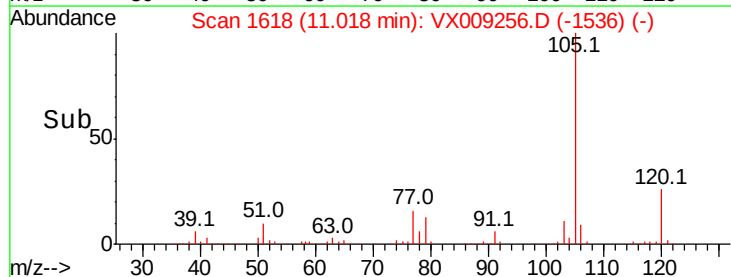
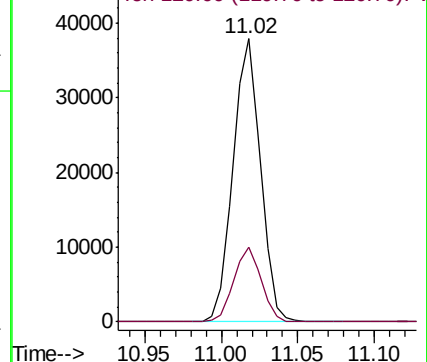
105 100

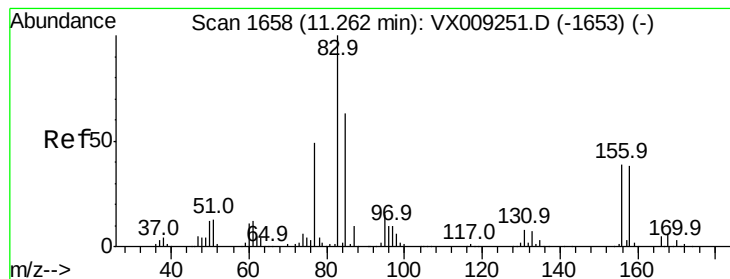
120 26.3 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 5.258 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

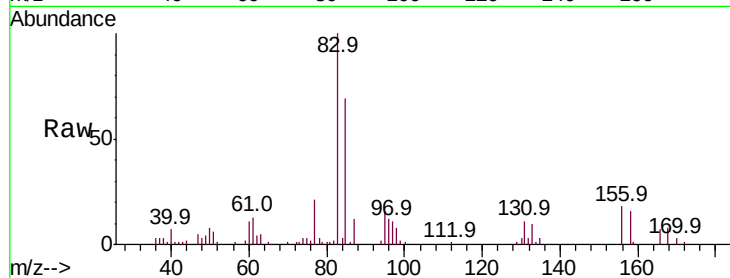
Tot Ion: 83 Resp: 17244

Ion Ratio Lower Upper

83 100

131 9.8 4.7 14.0

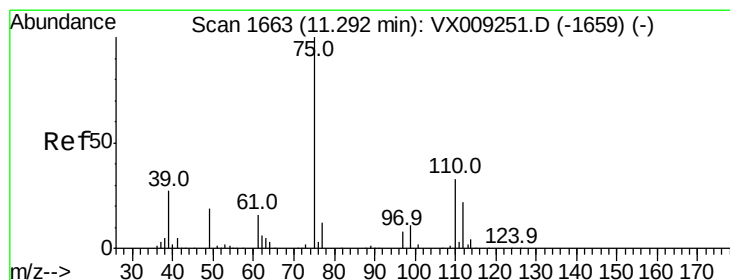
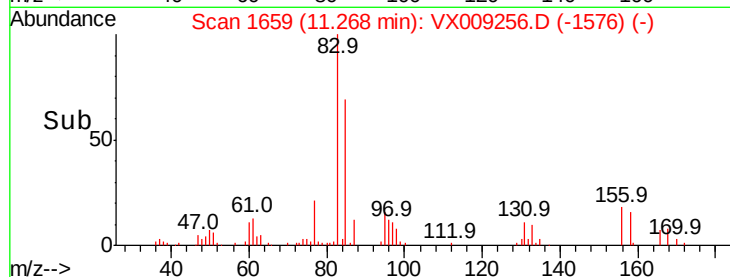
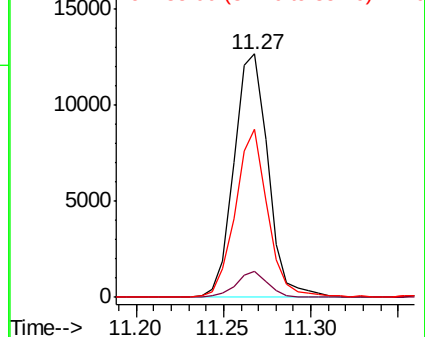
85 65.2 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 6.773 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009256.D

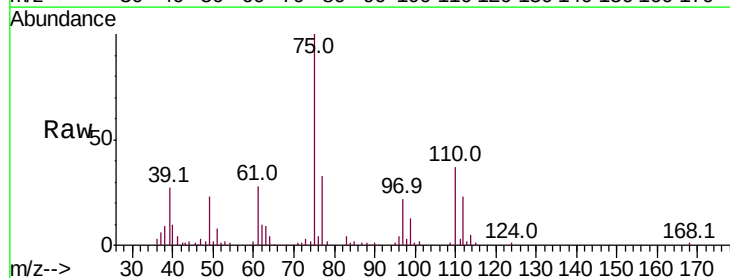
Acq: 01 May 2019 14:17

Tgt Ion: 75 Resp: 19590

Ion Ratio Lower Upper

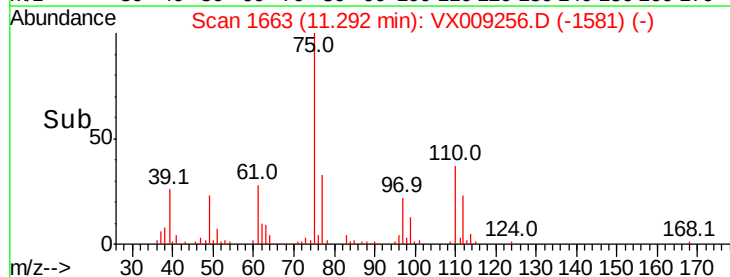
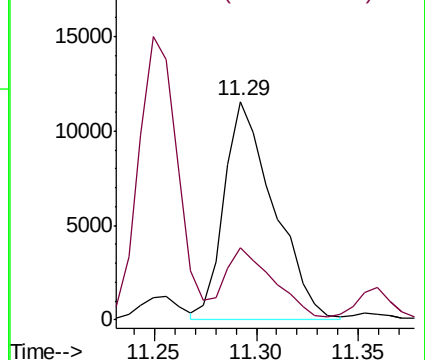
75 100

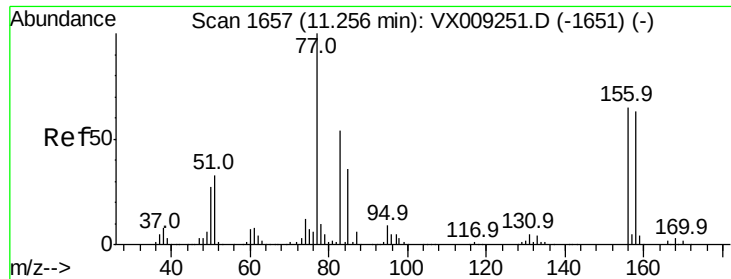
77 33.1 0.0 86.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 5.145 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

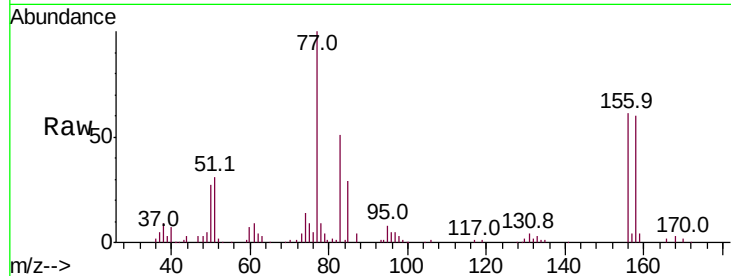
Tot Ion:156 Resp: 11547

Ion Ratio Lower Upper

156 100

77 172.5 0.0 335.6

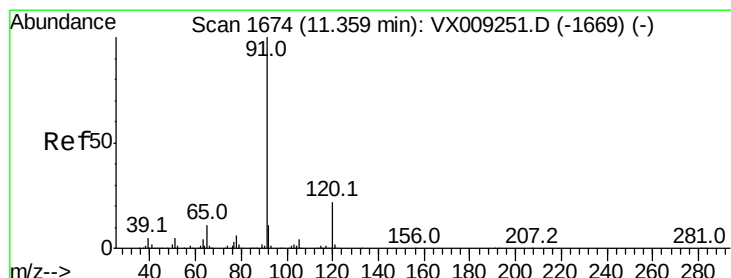
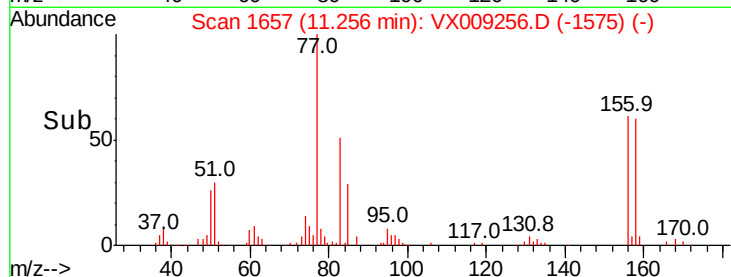
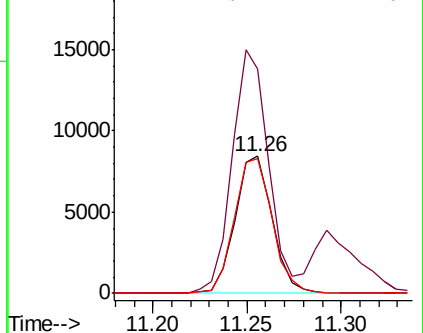
158 100.0 0.0 191.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.004 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009256.D

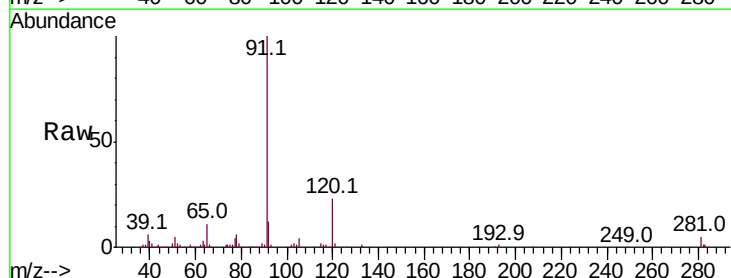
Acq: 01 May 2019 14:17

Tgt Ion: 91 Resp: 52417

Ion Ratio Lower Upper

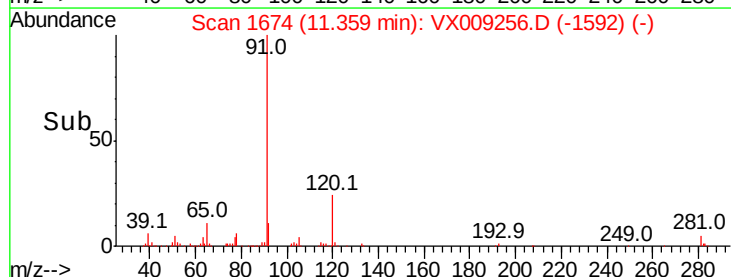
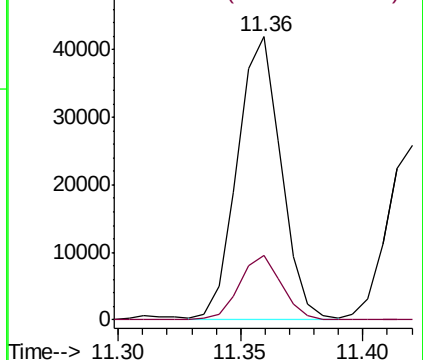
91 100

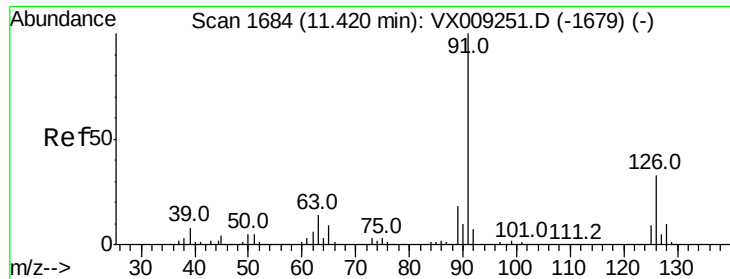
120 22.2 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.218 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

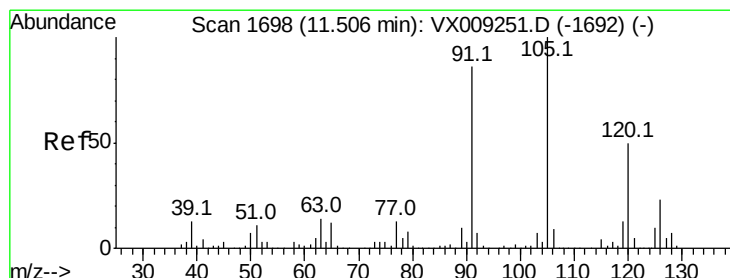
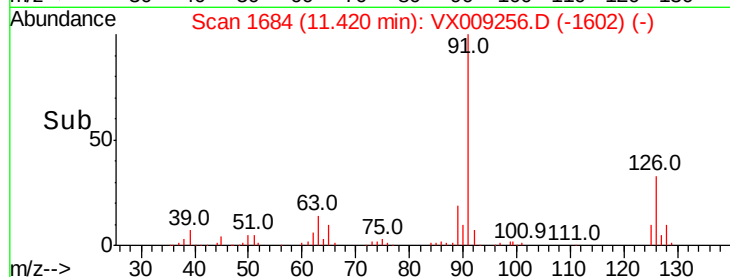
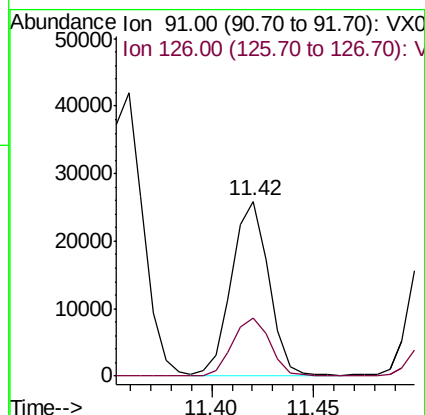
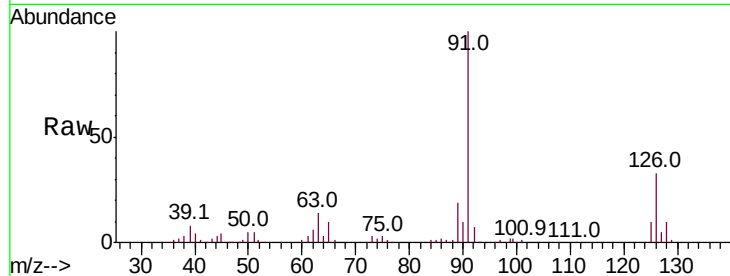
VSTDIC005

Tot Ion: 91 Resp: 32911

Ion Ratio Lower Upper

91 100

126 33.3 0.0 64.0



#76

1,3,5-Trimethylbenzene

Concen: 5.084 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009256.D

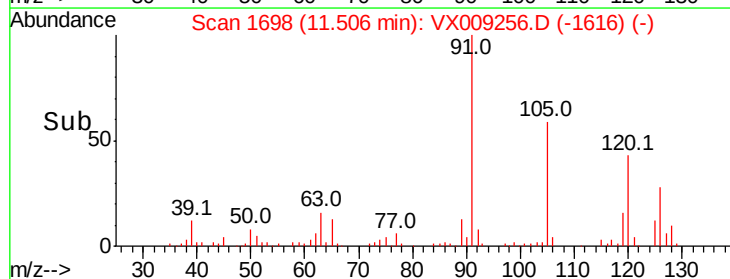
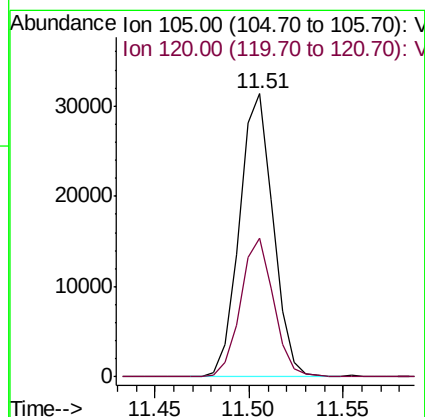
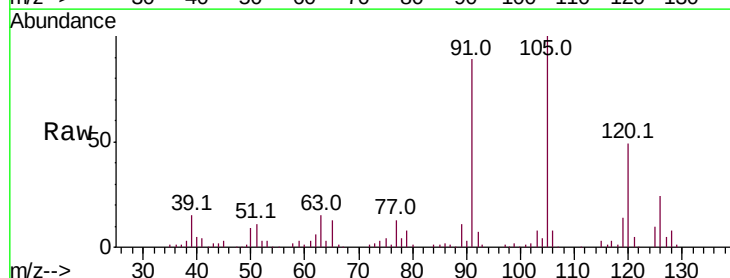
Acq: 01 May 2019 14:17

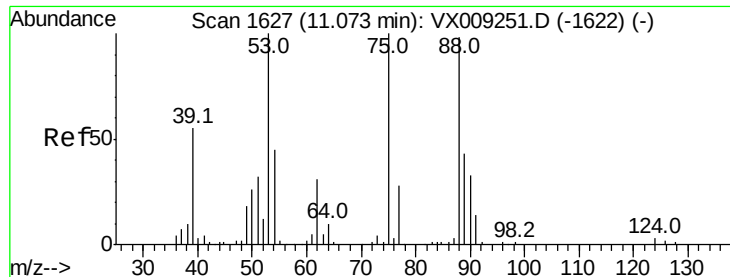
Tgt Ion: 105 Resp: 38948

Ion Ratio Lower Upper

105 100

120 48.0 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 4.899 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

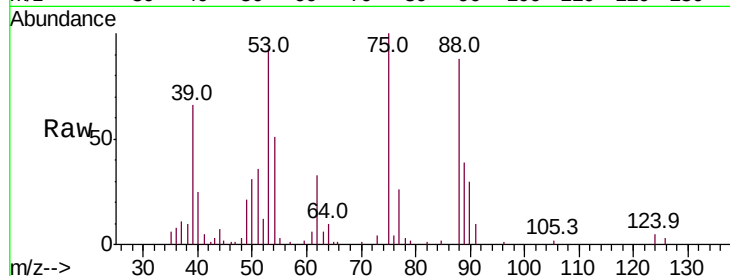
Tot Ion: 75 Resp: 5229

Ion Ratio Lower Upper

75 100

53 92.0 50.0 149.8

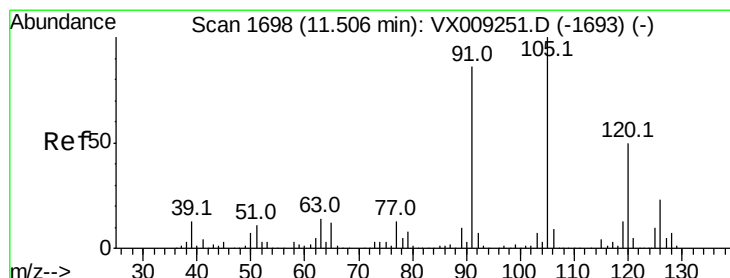
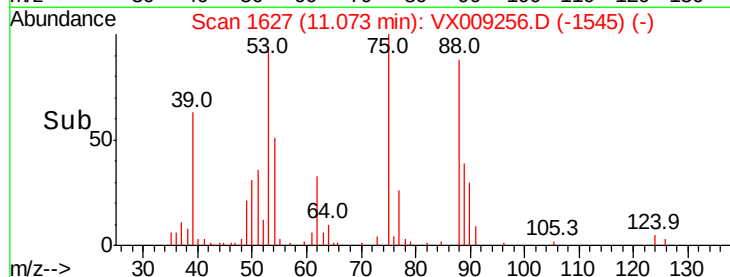
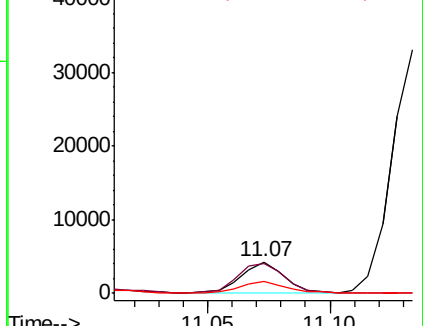
89 38.6 21.6 65.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 5.113 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009256.D

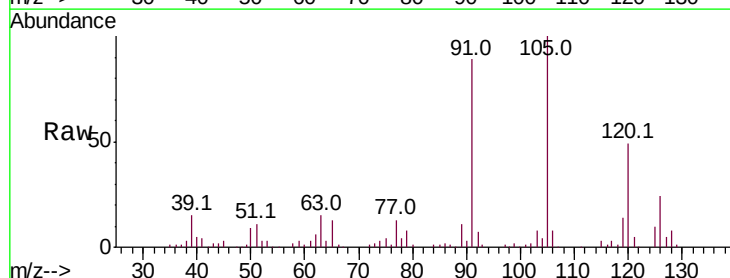
Acq: 01 May 2019 14:17

Tgt Ion: 91 Resp: 36099

Ion Ratio Lower Upper

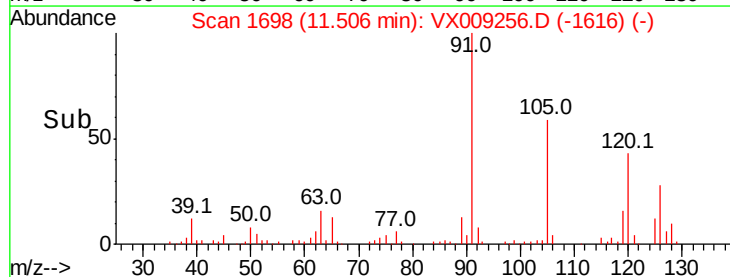
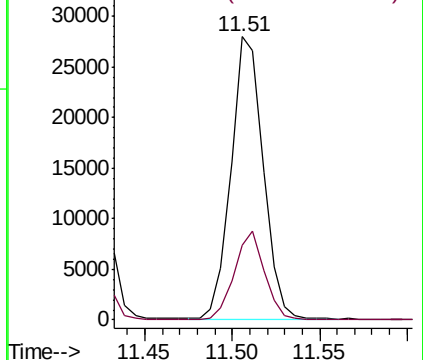
91 100

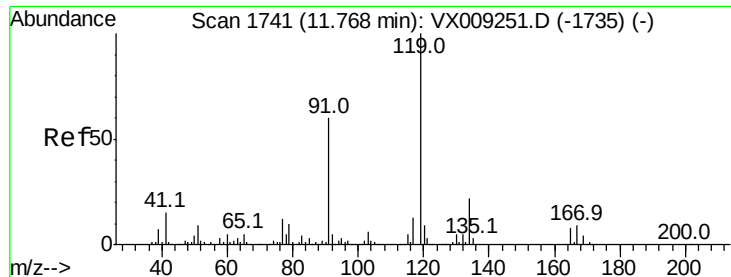
126 29.5 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 5.119 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

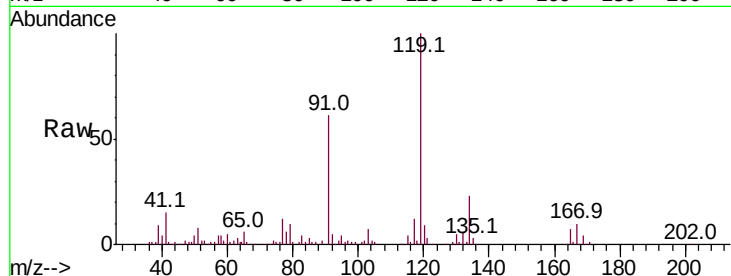
Tot Ion:119 Resp: 37881

Ion Ratio Lower Upper

119 100

91 59.2 0.0 118.2

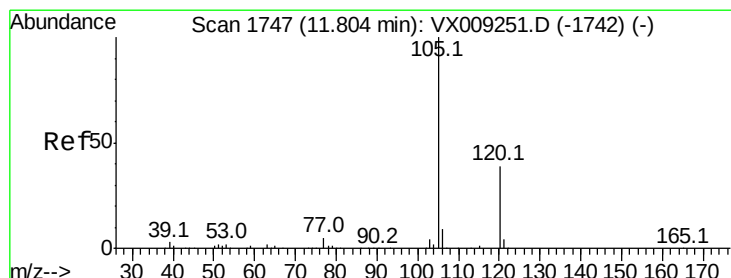
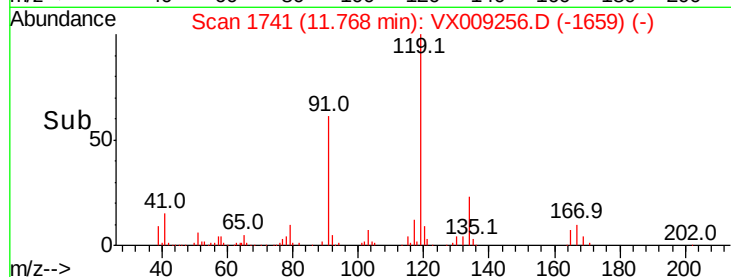
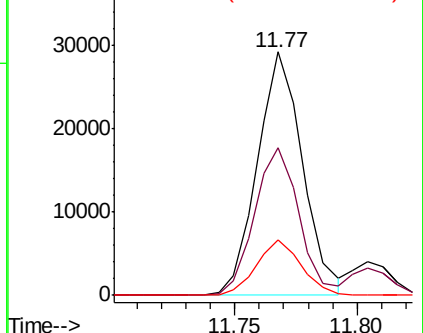
134 22.4 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 5.110 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009256.D

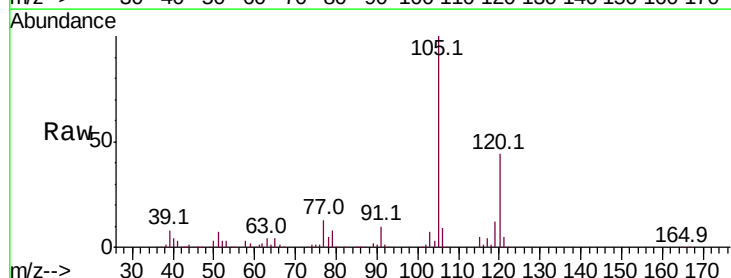
Acq: 01 May 2019 14:17

Tgt Ion:105 Resp: 39092

Ion Ratio Lower Upper

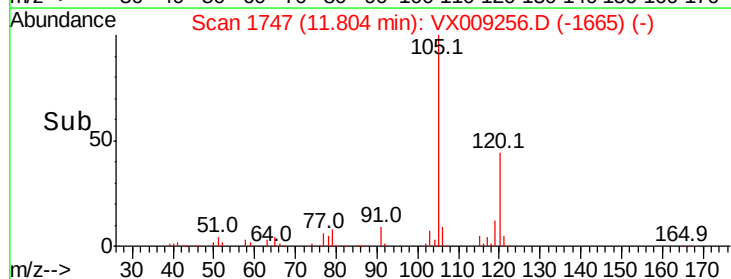
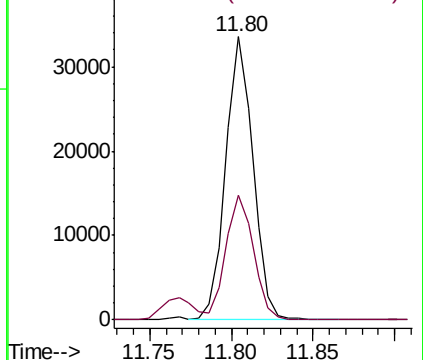
105 100

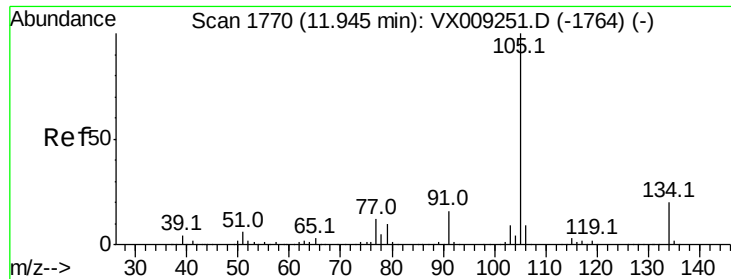
120 44.3 0.0 89.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 5.031 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

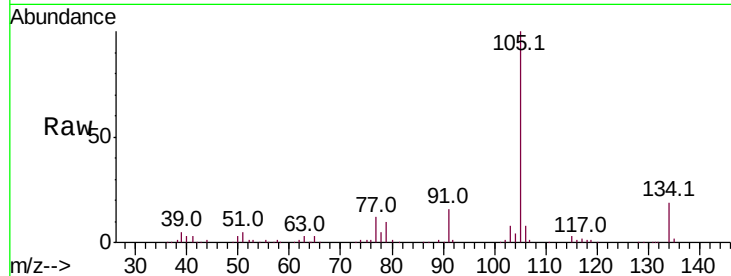
VSTDIC005

Tot Ion:105 Resp: 44094

Ion Ratio Lower Upper

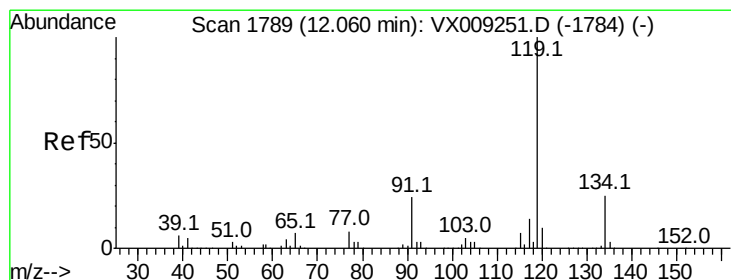
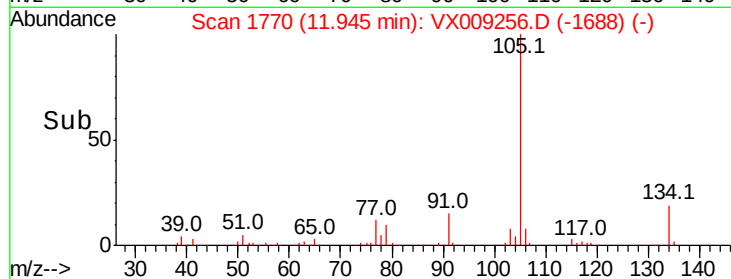
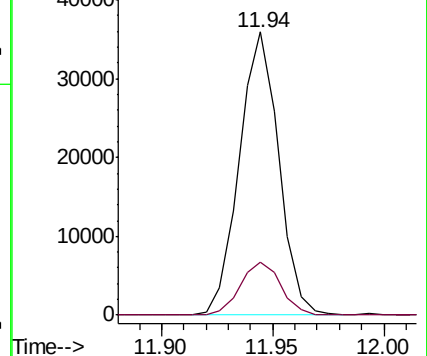
105 100

134 19.5 0.0 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 4.971 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

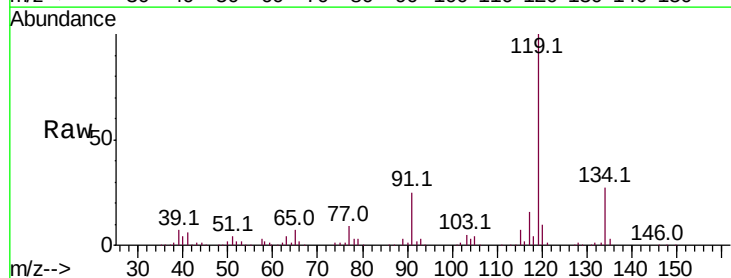
Tgt Ion:119 Resp: 39533

Ion Ratio Lower Upper

119 100

134 26.0 0.0 50.8

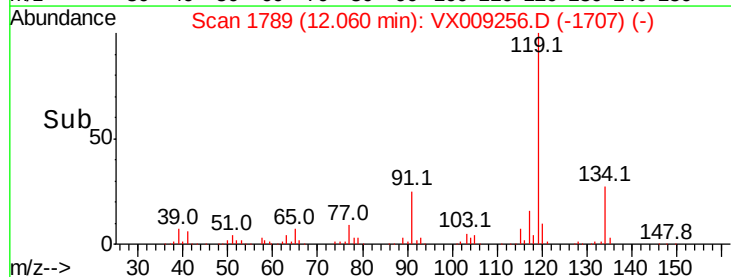
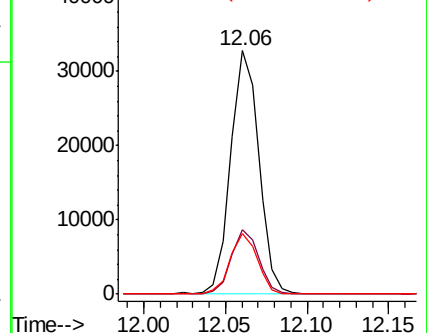
91 24.3 0.0 47.2

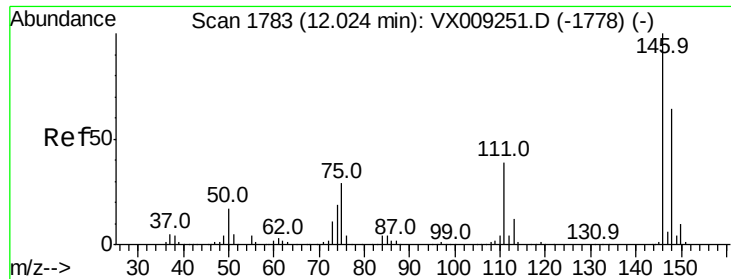


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

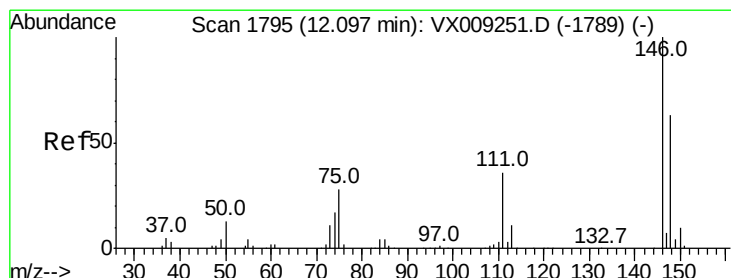
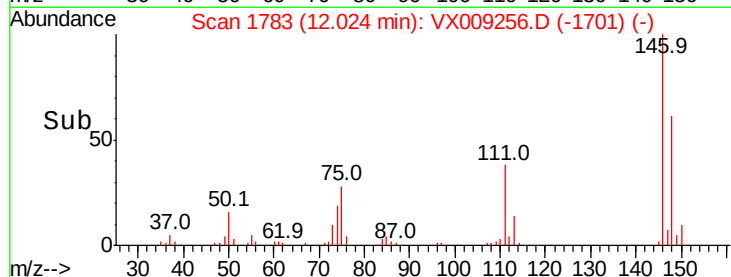
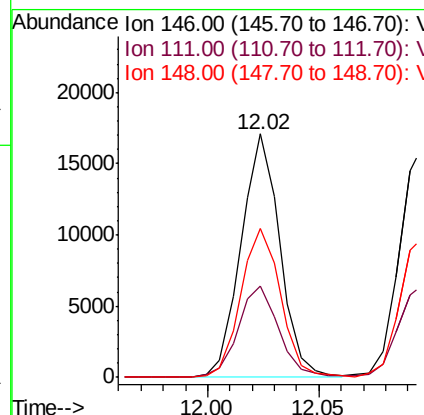
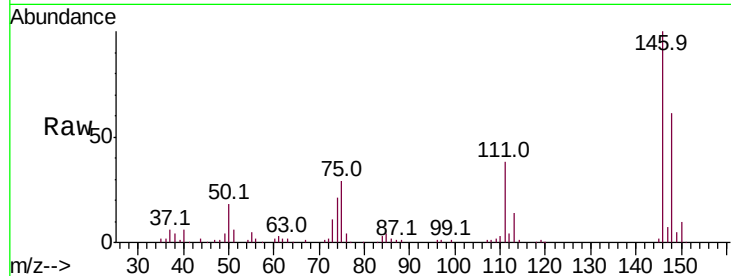




#83
 1,3-Dichlorobenzene
 Concen: 5.330 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

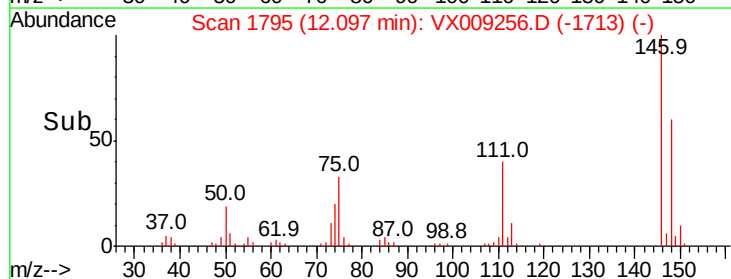
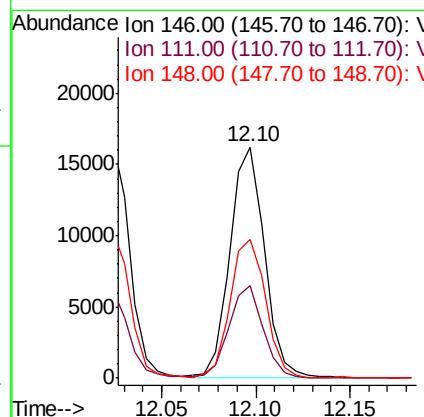
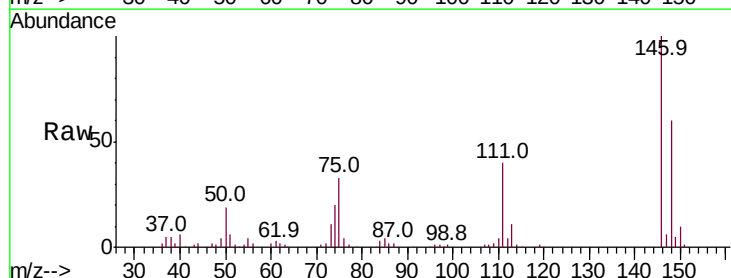
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

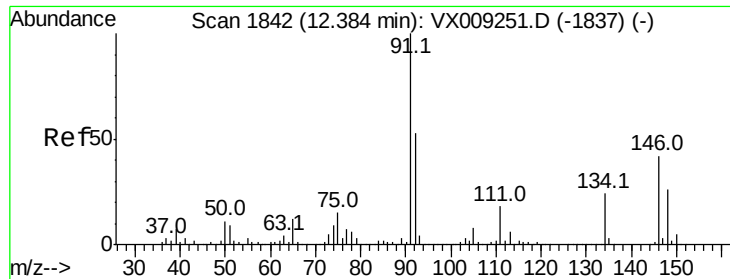
Tot Ion:146 Resp: 20740
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 60.0
 148 62.8 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 5.390 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

Tgt Ion:146 Resp: 20658
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.6 58.7
 148 61.7 32.3 96.8

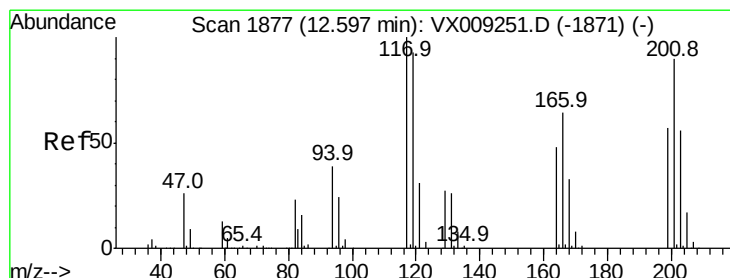
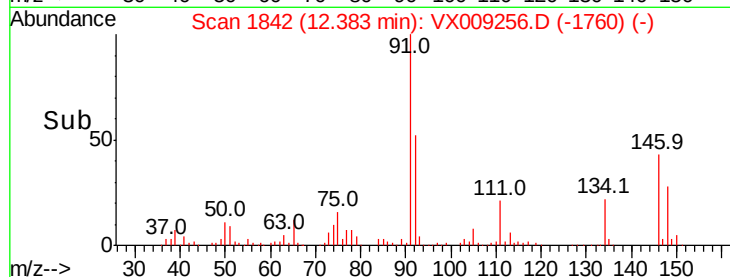
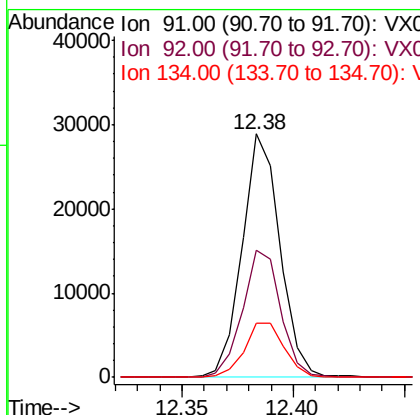
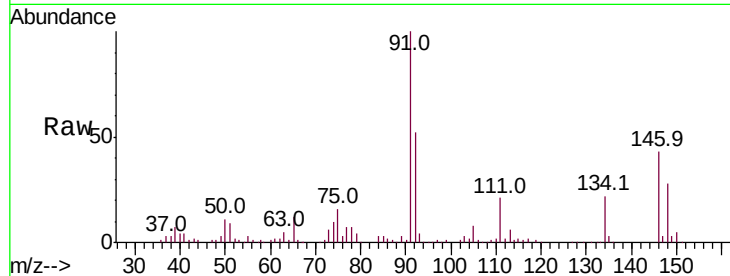




#85
n-Butylbenzene
Concen: 4.873 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

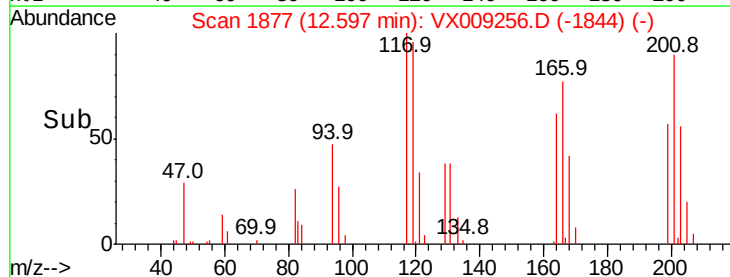
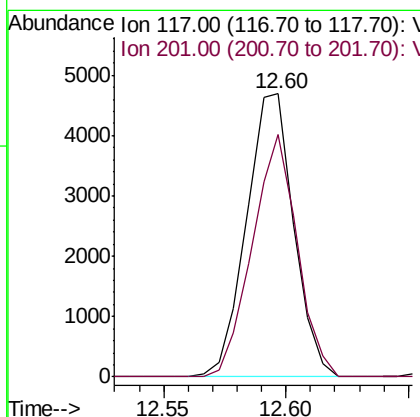
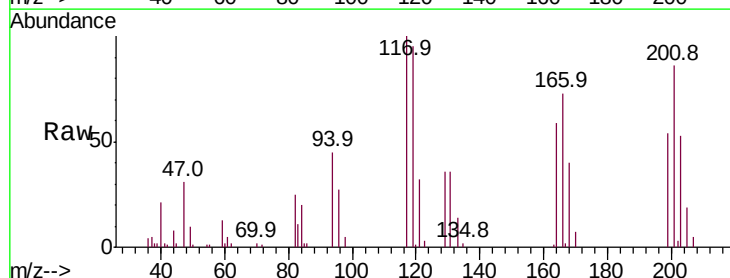
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

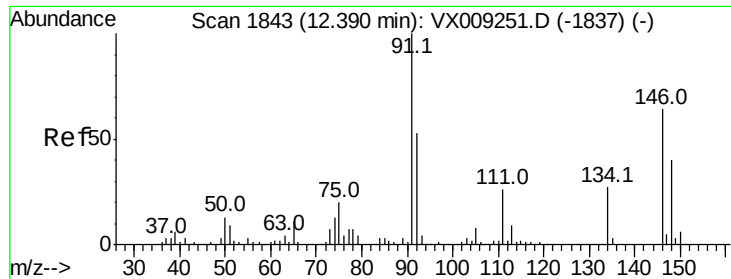
Tot Ion: 91 Resp: 34398
Ion Ratio Lower Upper
91 100
92 52.7 0.0 106.6
134 23.3 0.0 50.0



#86
Hexachloroethane
Concen: 4.701 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009256.D
Acq: 01 May 2019 14:17

Tgt Ion: 117 Resp: 6348
Ion Ratio Lower Upper
117 100
201 81.0 41.8 125.4

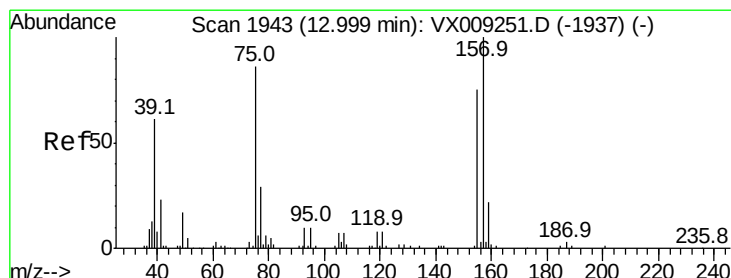
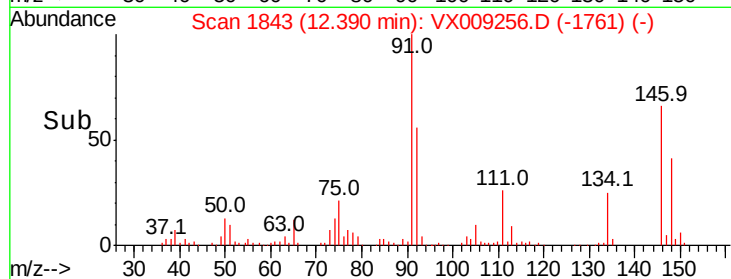
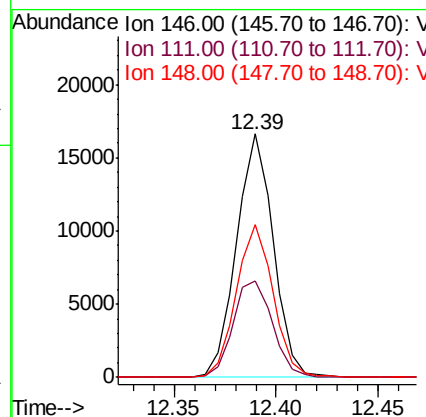
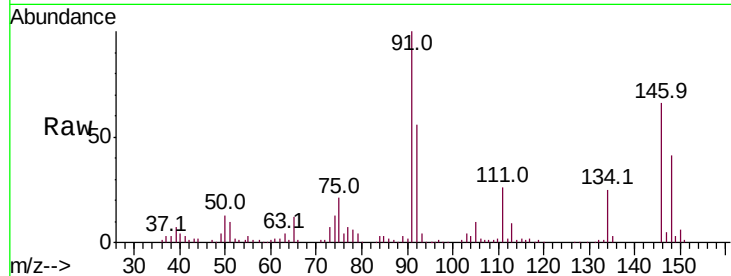




#87
 1,2-Dichlorobenzene
 Concen: 5.228 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

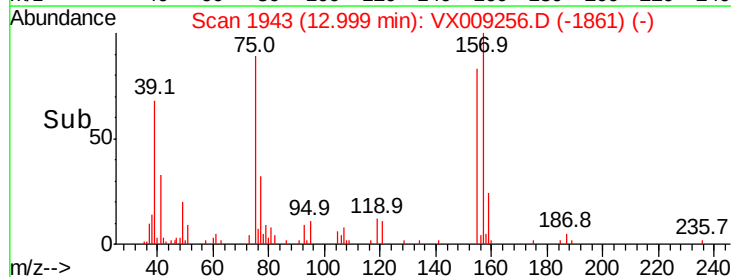
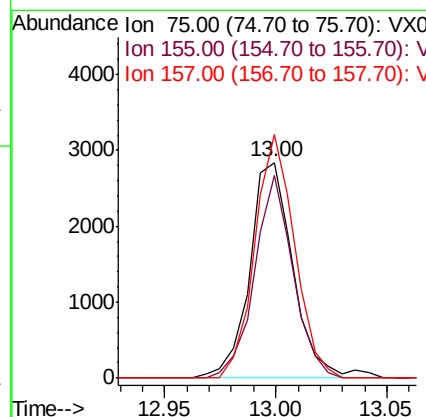
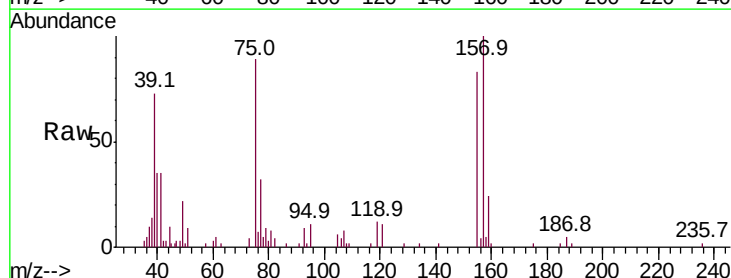
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

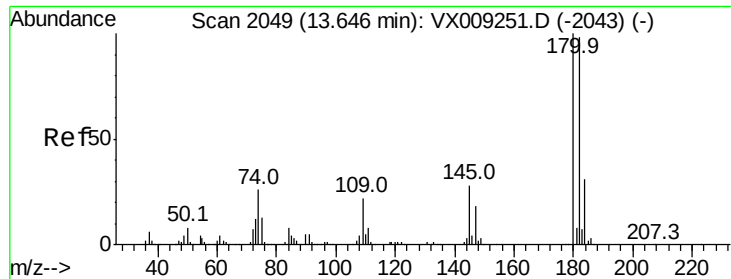
Tot Ion:146 Resp: 20790
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.8 62.2
 148 62.8 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.059 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

Tgt Ion: 75 Resp: 3830
 Ion Ratio Lower Upper
 75 100
 155 83.5 65.9 98.9
 157 104.2 85.2 127.8

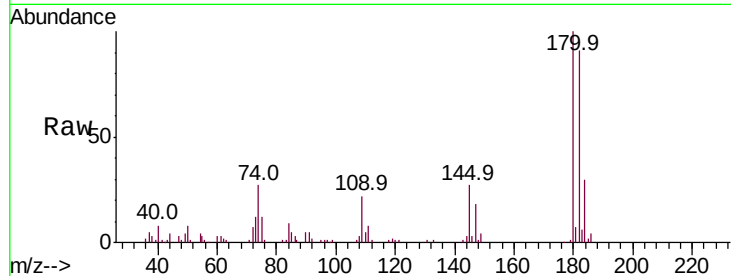




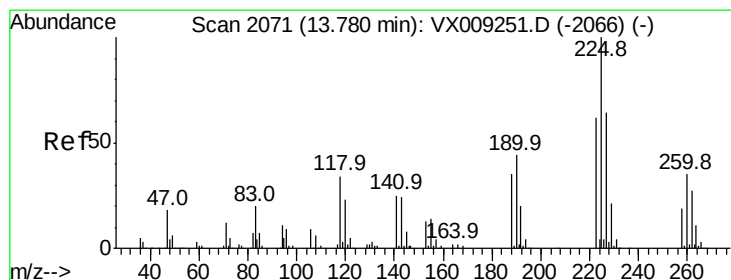
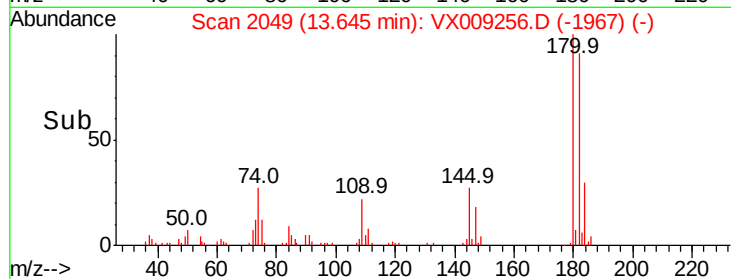
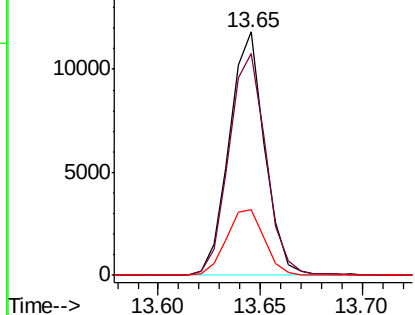
#89
 1,2,4-Trichlorobenzene
 Concen: 5.210 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	180	Resp:	14186
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
145	28.8	23.0	34.6

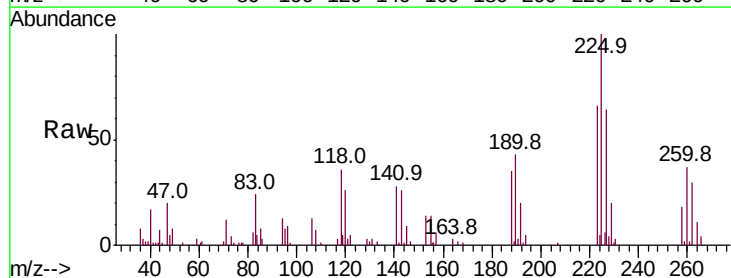


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

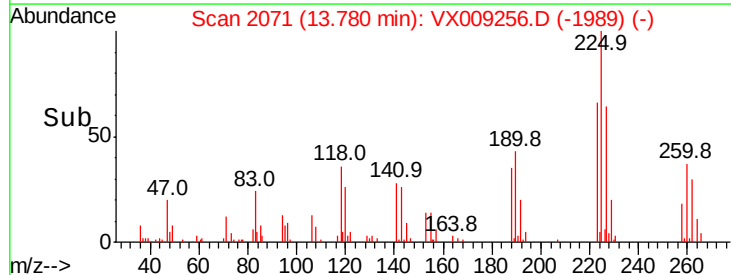
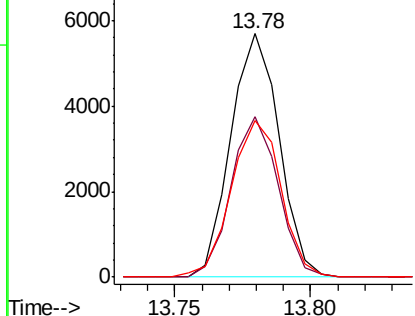


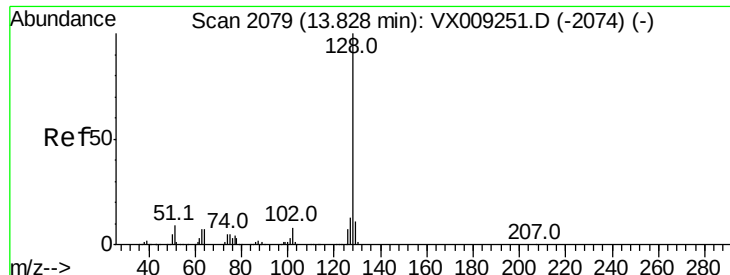
#90
 Hexachlorobutadiene
 Concen: 5.079 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009256.D
 Acq: 01 May 2019 14:17

Tgt Ion:	225	Resp:	7010
Ion	Ratio	Lower	Upper
225	100		
223	64.3	0.0	126.6
227	66.4	0.0	130.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 5.029 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

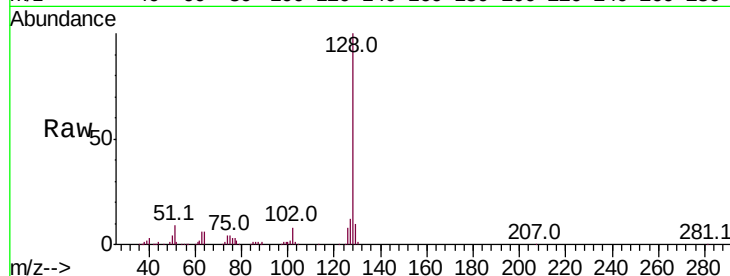
Tot Ion:128 Resp: 46903

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

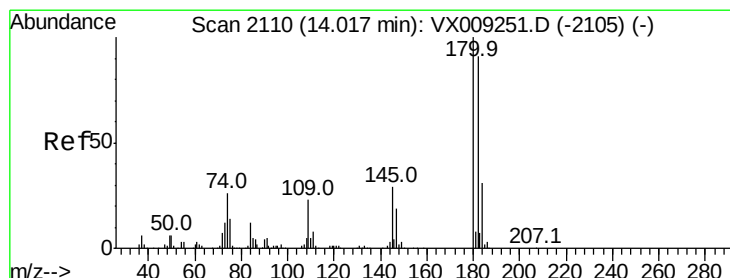
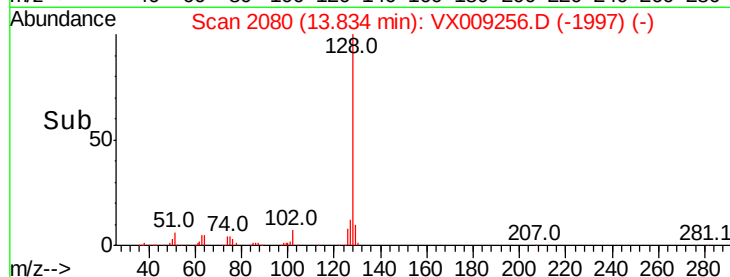
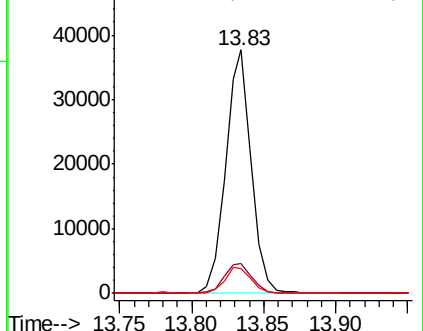
129 11.2 8.7 13.1



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



#92

1,2,3-Trichlorobenzene

Concen: 5.224 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009256.D

Acq: 01 May 2019 14:17

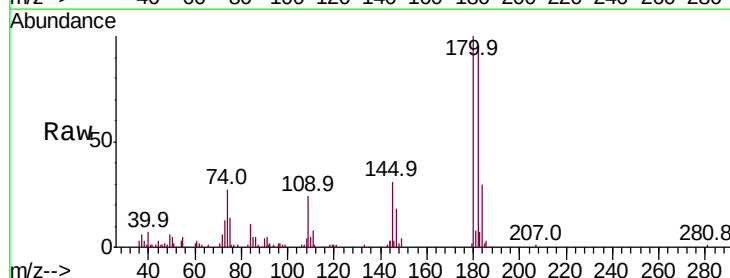
Tgt Ion:180 Resp: 14963

Ion Ratio Lower Upper

180 100

182 96.0 0.0 189.0

145 29.9 0.0 61.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

