

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009250.D
 Acq On : 01 May 2019 11:07
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: May 02 06:33:20 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	32075	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	268501	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	274782	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	101317	38.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	127.93%
60) 4-Bromofluorobenzene	11.13	95	144242	30.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.97%
63) Toluene-d8	8.71	98	370819	27.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	8130	4.808 ug/l	86
3) Chloromethane	1.32	50	10911	4.853 ug/l	97
4) Vinyl Chloride	1.41	62	10981	4.843 ug/l	96
5) Bromomethane	1.64	94	6445	5.012 ug/l	97
6) Chloroethane	1.72	64	7887	5.185 ug/l	96
7) Trichlorofluoromethane	1.93	101	14778	5.357 ug/l	97
8) Diethyl Ether	2.18	74	6958	5.428 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	9800	5.675 ug/l	98
10) 1,1-Dichloroethene	2.37	96	8867	5.112 ug/l	97
11) Methyl Iodide	2.51	142	7342	4.197 ug/l	96
12) Methyl Acetate	2.77	43	17190	5.425 ug/l	99
13) Acrolein	2.29	56	13458	32.495 ug/l	98
14) Acrylonitrile	3.14	53	34895	24.943 ug/l	100
15) Acetone	2.44	58	10681	25.700 ug/l	97
16) Carbon Disulfide	2.57	76	20884	4.489 ug/l	98
17) Allyl chloride	2.73	41	21082	5.156 ug/l	99
18) Methylene Chloride	2.85	84	11026	5.335 ug/l	97
19) trans-1,2-Dichloroethene	3.17	96	9196	5.029 ug/l	96
20) Diisopropyl ether	3.85	45	43439	5.341 ug/l	98
21) 1,1-Dichloroethane	3.70	63	20649	5.306 ug/l	99
22) cis-1,2-Dichloroethene	4.59	96	11522	5.228 ug/l	95
23) tert-Butyl Alcohol	3.04	59	13274	23.278 ug/l	# 99
24) Methyl tert-Butyl Ether	3.19	73	35915	5.434 ug/l	99
25) Chloroform	5.20	83	19380	5.388 ug/l	99
26) Cyclohexane	5.58	56	19089	5.148 ug/l	# 98
29) 1,1-Dichloropropene	5.79	75	14581	3.739 ug/l	99
30) 2-Butanone	4.67	43	53237	17.441 ug/l	100
31) 2,2-Dichloropropane	4.58	77	15887	3.732 ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	15626	3.815 ug/l	95
33) Carbon Tetrachloride	5.78	117	13007	3.735 ug/l	96
34) Benzene	6.14	78	44256	3.660 ug/l	97
35) Methacrylonitrile	5.04	41	10858	3.394 ug/l	94
36) 1,2-Dichloroethane	6.19	62	16836	3.865 ug/l	98
37) Trichloroethene	7.21	130	10842	3.828 ug/l	93
38) Methylcyclohexane	7.46	83	17517	3.675 ug/l	98
39) 1,2-Dichloropropane	7.51	63	12394	3.651 ug/l	97
40) Dibromomethane	7.66	93	7397	3.826 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009250.D
 Acq On : 01 May 2019 11:07
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Quant Time: May 02 06:33:20 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	14227	3.674	ug/l	92
42) Vinyl Acetate	3.81	43	173719	17.171	ug/l	100
43) Ethyl Acetate	4.83	43	17811	3.154	ug/l	93
44) Isopropyl Acetate	6.44	43	31245	3.596	ug/l	99
45) 1,4-Dioxane	7.74	88	4831	55.928	ug/l #	85
46) Methyl methacrylate	7.77	41	14460	3.292	ug/l	94
47) n-amyl Acetate	10.90	43	26915	3.469	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	15330	3.462	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	17293	3.508	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	11061	3.726	ug/l	97
51) Ethyl methacrylate	9.18	69	18170	3.371	ug/l	98
52) 1,3-Dichloropropane	9.37	76	19142	3.630	ug/l	97
53) Dibromochloromethane	9.58	129	10097	3.538	ug/l	100
54) 1,2-Dibromoethane	9.67	107	11103	3.682	ug/l	96
55) 2-Chloroethyl vinyl ether	8.30	63	50864	16.749	ug/l	99
56) Bromoform	10.85	173	7460	3.517	ug/l #	96
58) 4-Methyl-2-Pentanone	8.64	43	100703	14.988	ug/l	99
59) 2-Hexanone	9.49	43	77379	14.602	ug/l	99
61) Tetrachloroethene	9.34	164	9850	3.255	ug/l	94
62) Toluene	8.78	91	46565	3.155	ug/l	99
64) Chlorobenzene	10.13	112	28019	3.218	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	9896	3.140	ug/l	98
66) Ethyl Benzene	10.25	91	51349	3.153	ug/l	99
67) m/p-Xylenes	10.36	106	37237	6.280	ug/l	99
68) o-Xylene	10.69	106	18711	3.246	ug/l	96
69) Styrene	10.71	104	31083	3.069	ug/l	99
70) Isopropylbenzene	11.02	105	49814	3.171	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	18358	3.250	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	19742	3.963	ug/l	87
73) Bromobenzene	11.25	156	12132	3.139	ug/l	97
74) n-propylbenzene	11.36	91	57763	3.202	ug/l	99
75) 2-Chlorotoluene	11.41	91	34651	3.190	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	41220	3.124	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	5079	2.763	ug/l	92
78) 4-Chlorotoluene	11.51	91	38771	3.189	ug/l	98
79) tert-butylbenzene	11.77	119	41108	3.226	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	41595	3.157	ug/l	100
81) sec-Butylbenzene	11.94	105	48888	3.238	ug/l	98
82) p-Isopropyltoluene	12.06	119	43660	3.187	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	21422	3.197	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	21758	3.296	ug/l	97
85) n-Butylbenzene	12.38	91	37878	3.116	ug/l	99
86) Hexachloroethane	12.59	117	6928	2.979	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	21808	3.184	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	3785	2.903	ug/l	90
89) 1,2,4-Trichlorobenzene	13.65	180	15006	3.200	ug/l	97
90) Hexachlorobutadiene	13.78	225	7765	3.266	ug/l	99
91) Naphthalene	13.83	128	47894	2.982	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	15763	3.195	ug/l	100

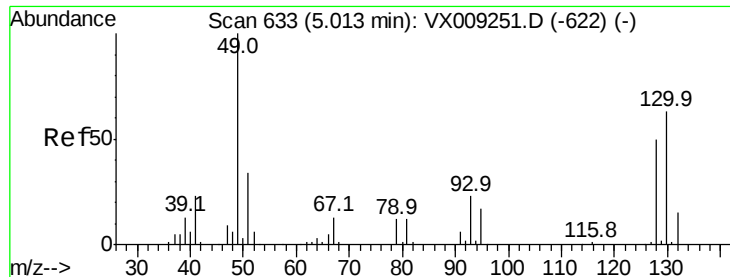
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
Data File : VX009250.D
Acq On : 01 May 2019 11:07
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: May 02 06:33:20 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: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

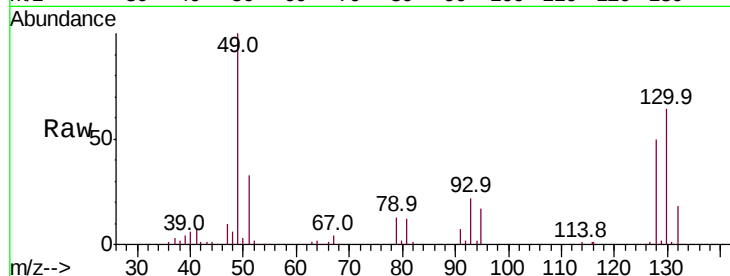
Tot Ion:128 Resp: 32075

Ion Ratio Lower Upper

128 100

49 202.2 0.0 515.0

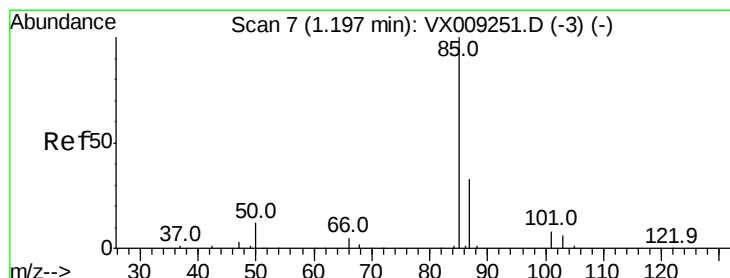
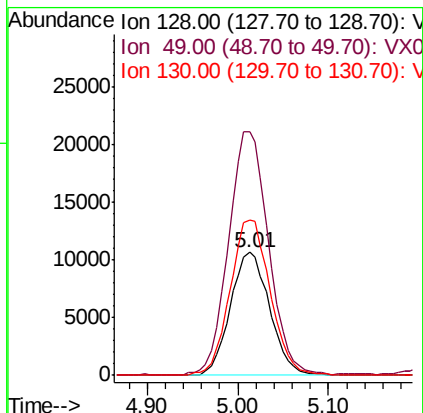
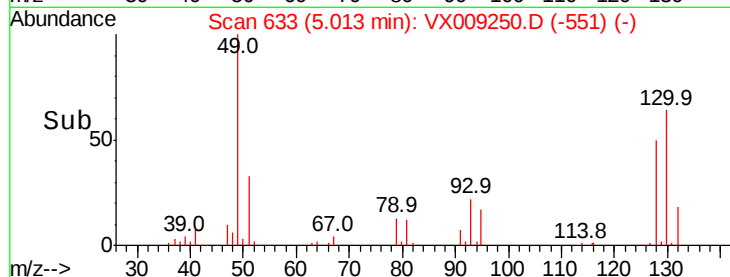
130 128.9 0.0 323.3



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: 4.808 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009250.D

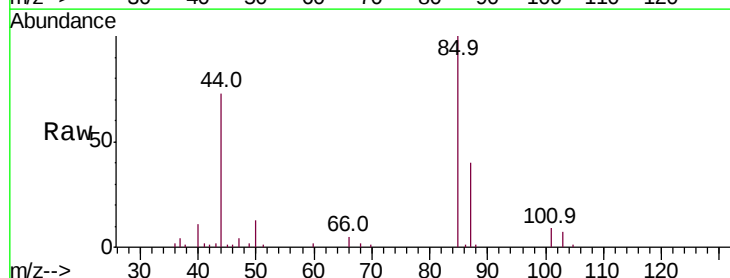
Acq: 01 May 2019 11:07

Tgt Ion: 85 Resp: 8130

Ion Ratio Lower Upper

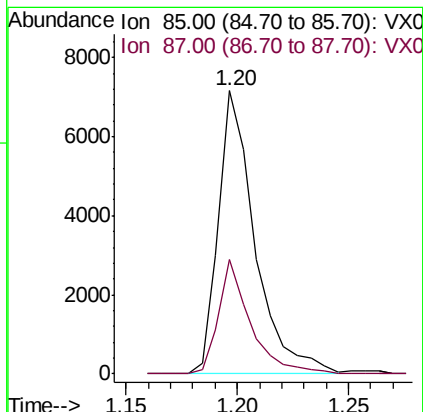
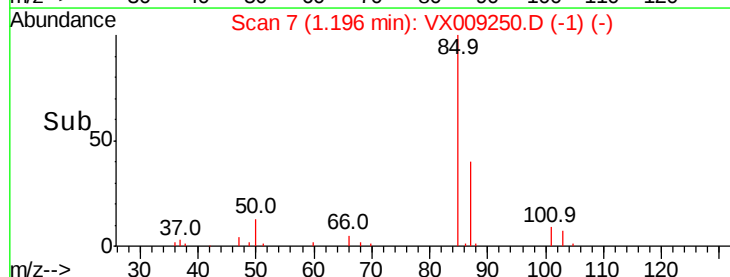
85 100

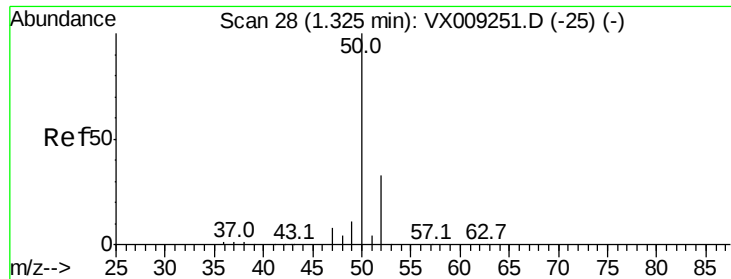
87 40.3 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 4.853 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

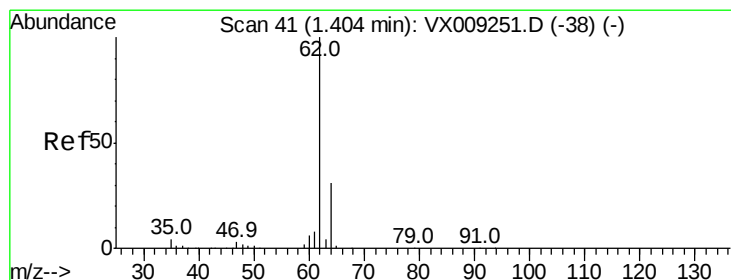
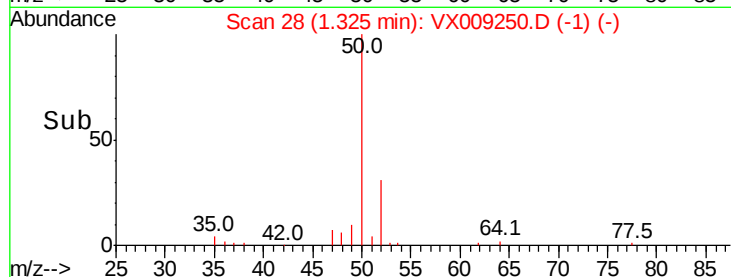
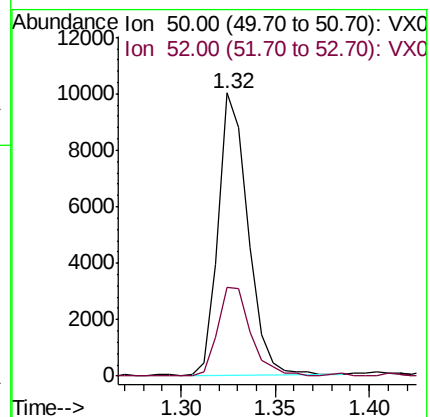
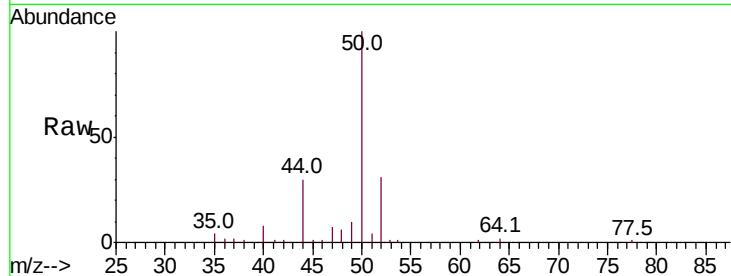
VSTDIC005

Tot Ion: 50 Resp: 10911

Ion Ratio Lower Upper

50 100

52 31.5 26.3 39.5



#4

Vinyl Chloride

Concen: 4.843 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009250.D

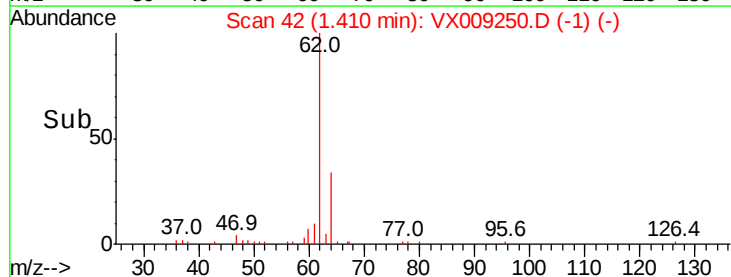
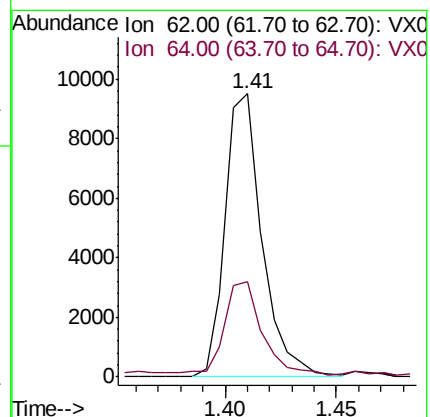
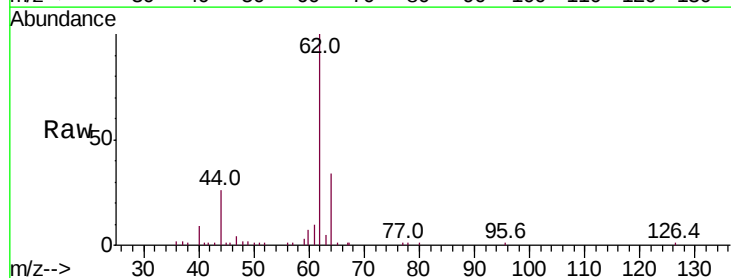
Acq: 01 May 2019 11:07

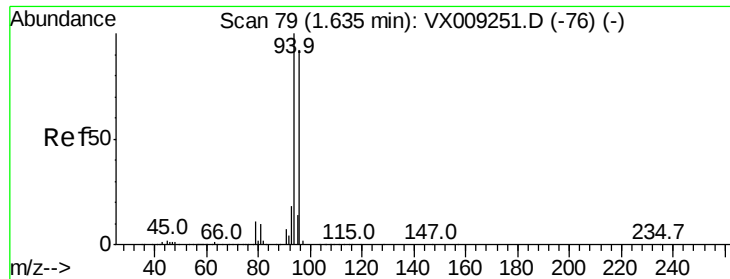
Tgt Ion: 62 Resp: 10981

Ion Ratio Lower Upper

62 100

64 32.8 24.6 36.8





#5

Bromomethane

Concen: 5.012 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

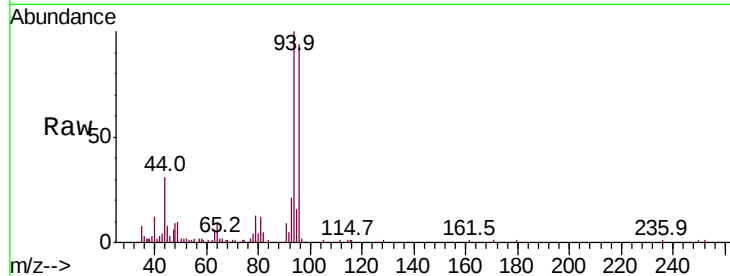
VSTDIC005

Tot Ion: 94 Resp: 6445

Ion Ratio Lower Upper

94 100

96 94.6 73.5 110.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

6000

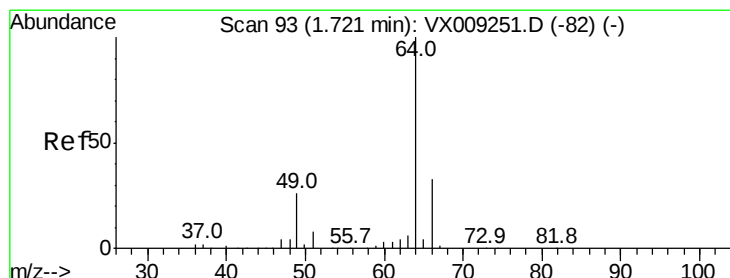
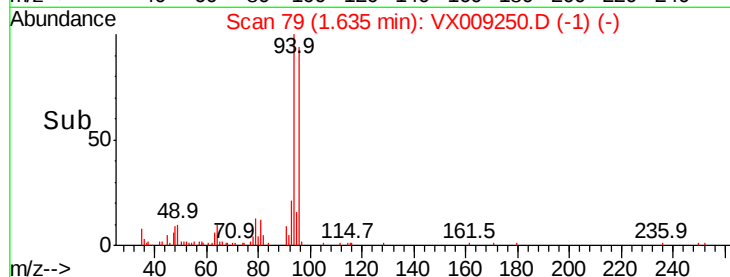
4000

2000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 5.185 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009250.D

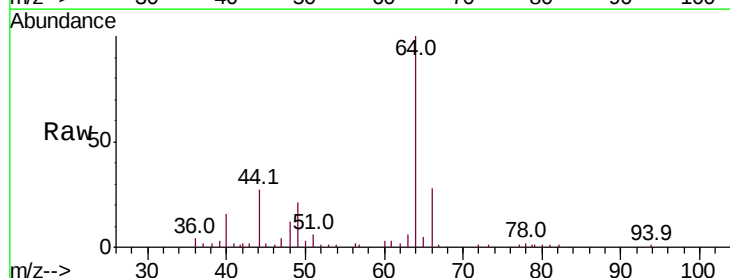
Acq: 01 May 2019 11:07

Tgt Ion: 64 Resp: 7887

Ion Ratio Lower Upper

64 100

66 30.3 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

6000

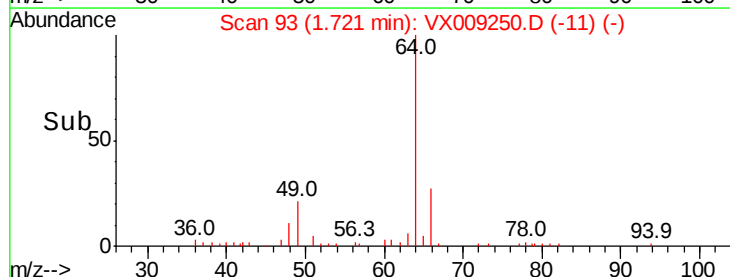
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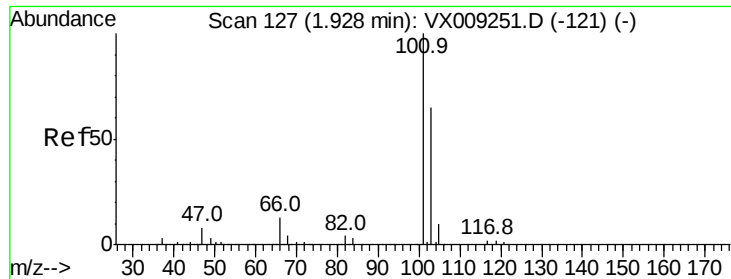
2000

0

1.70 1.75 1.80

Time-->



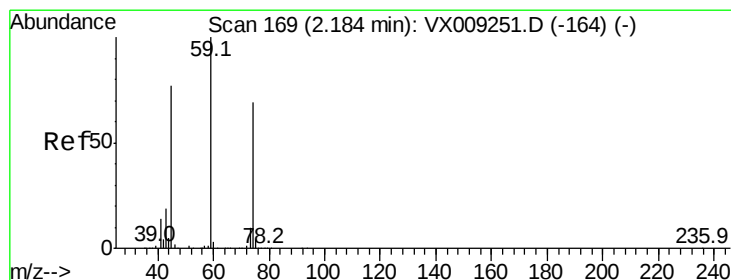
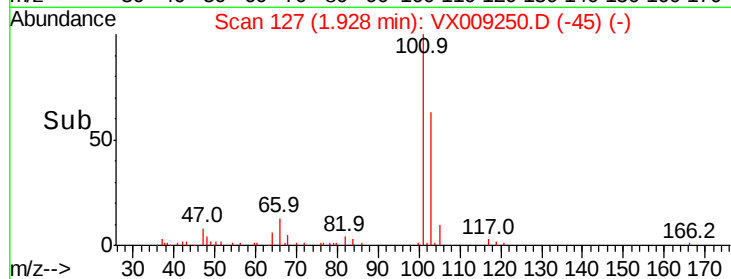
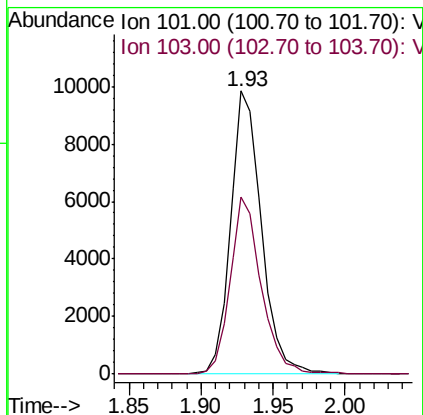
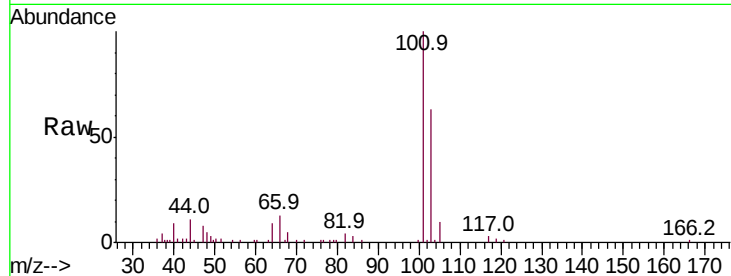


#7

Trichlorofluoromethane
 Concen: 5.357 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

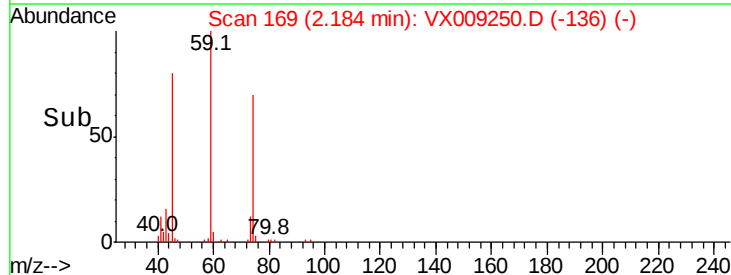
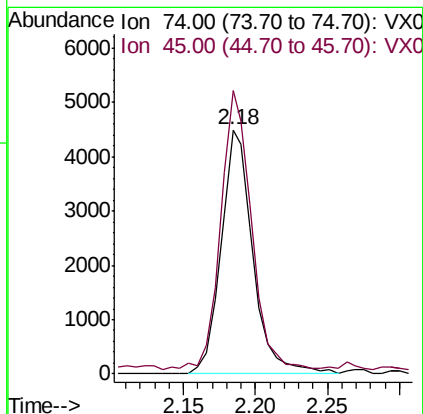
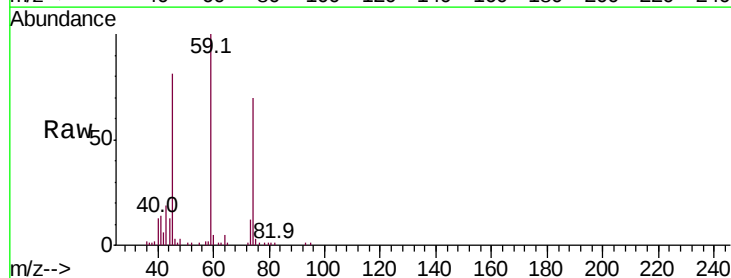
Tot Ion:101 Resp: 14778
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.9 77.9

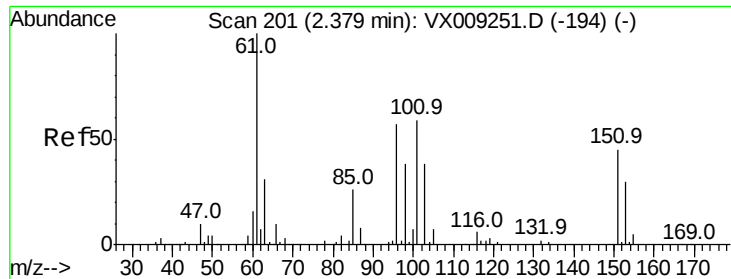


#8

Diethyl Ether
 Concen: 5.428 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion: 74 Resp: 6958
 Ion Ratio Lower Upper
 74 100
 45 108.6 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.675 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

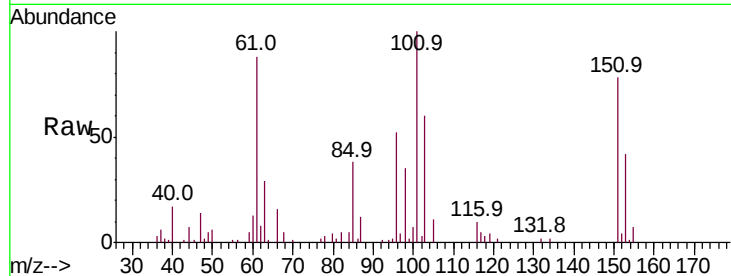
Tot Ion:101 Resp: 9800

Ion Ratio Lower Upper

101 100

85 40.8 0.0 87.4

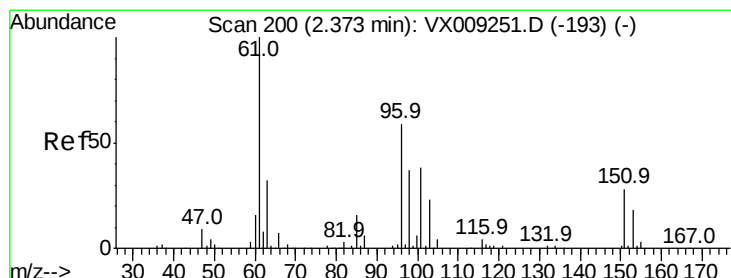
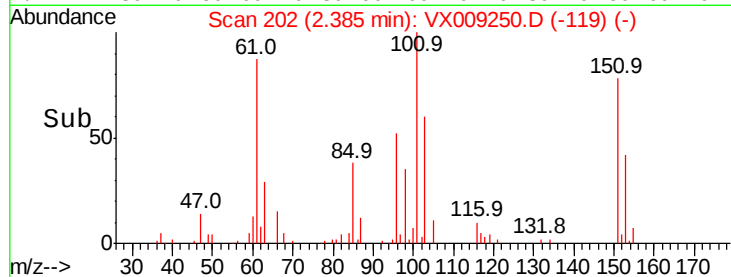
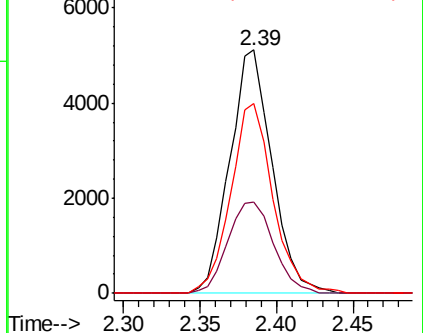
151 78.2 0.0 157.0



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: 5.112 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

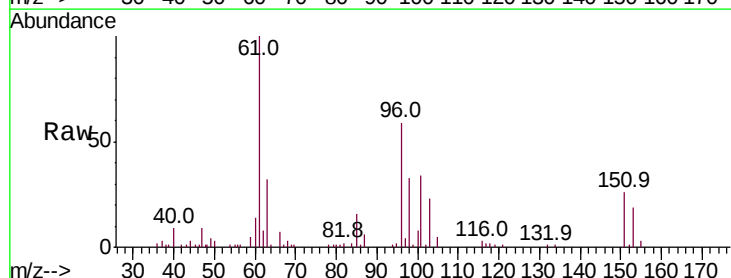
Tgt Ion: 96 Resp: 8867

Ion Ratio Lower Upper

96 100

61 169.2 136.5 204.7

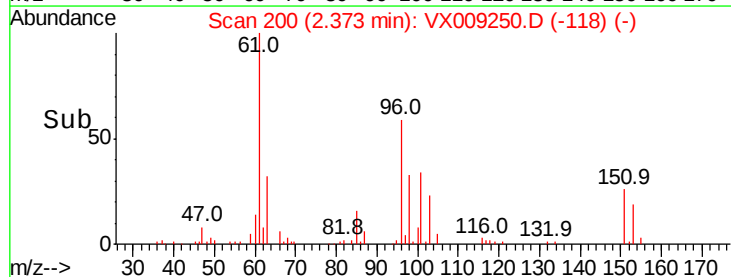
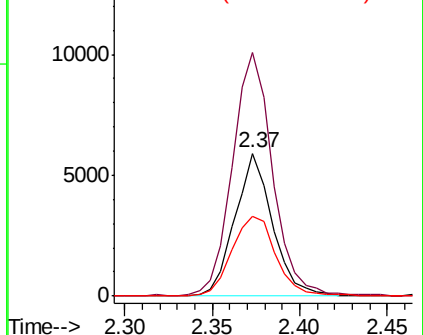
98 55.9 51.0 76.4

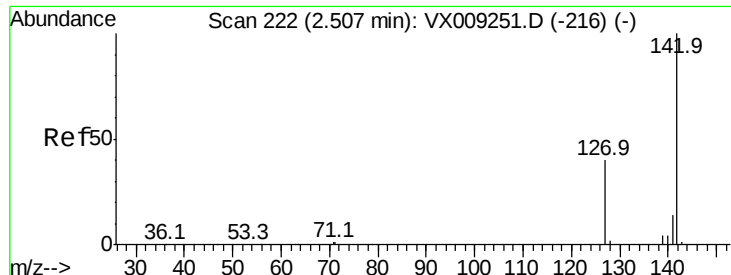


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

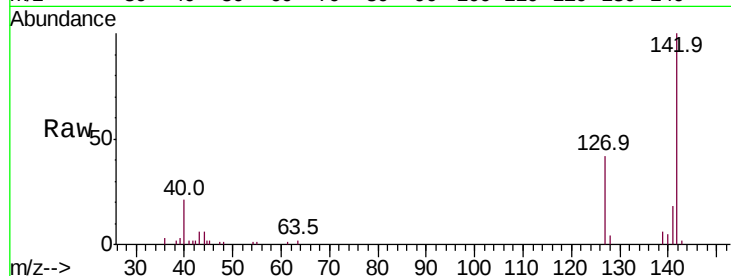




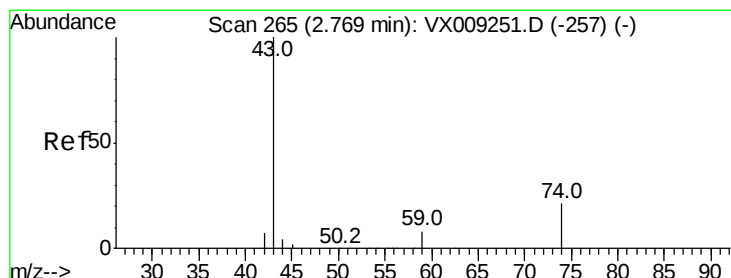
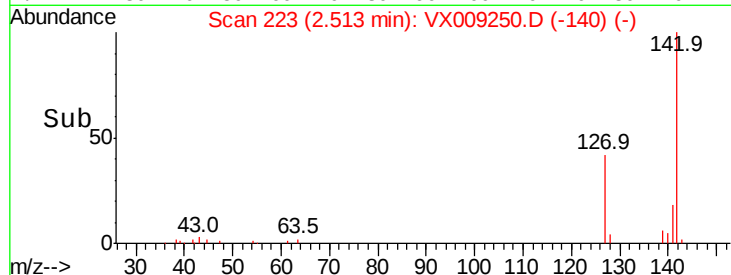
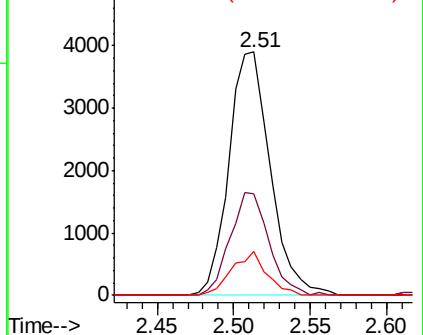
#11
Methvl Iodide
Concen: 4.197 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:142 Resp: 7342
Ion Ratio Lower Upper
142 100
127 41.6 20.2 60.5
141 18.0 6.9 20.7

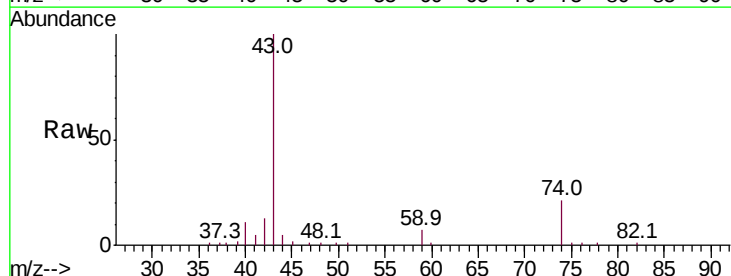


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

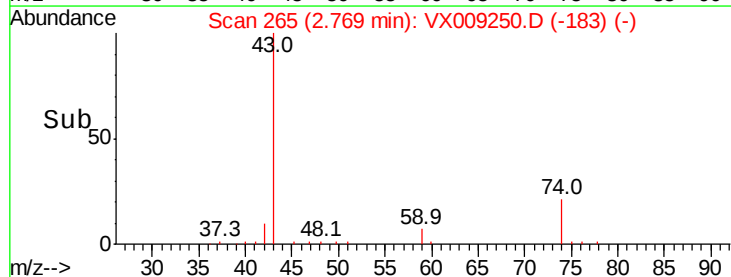
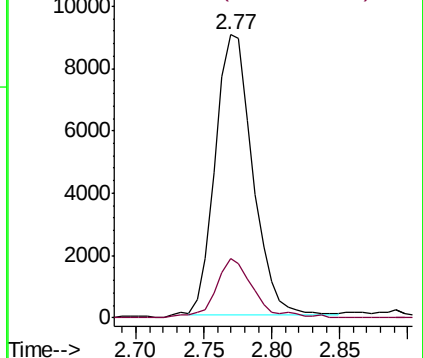


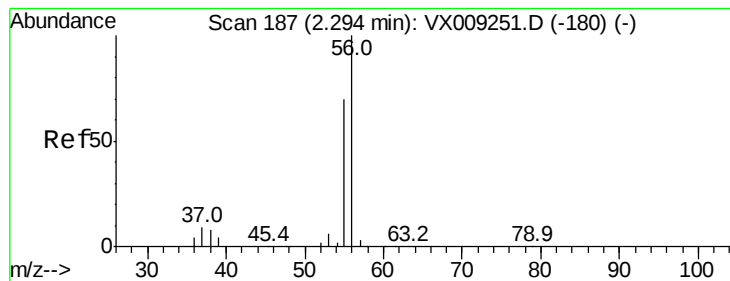
#12
Methyl Acetate
Concen: 5.425 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion: 43 Resp: 17190
Ion Ratio Lower Upper
43 100
74 20.9 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: 32.495 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

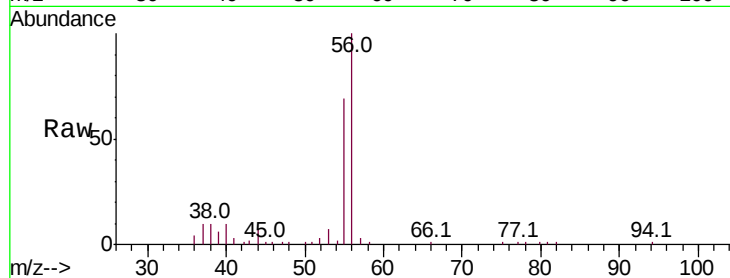
VSTDIC005

Tot Ion: 56 Resp: 13458

Ion Ratio Lower Upper

56 100

55 69.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX009250.D (-105) (-)

Ion 55.00 (54.70 to 55.70): VX009250.D (-105) (-)

2.29

8000

6000

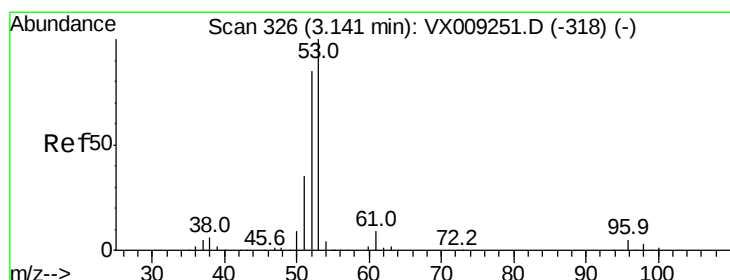
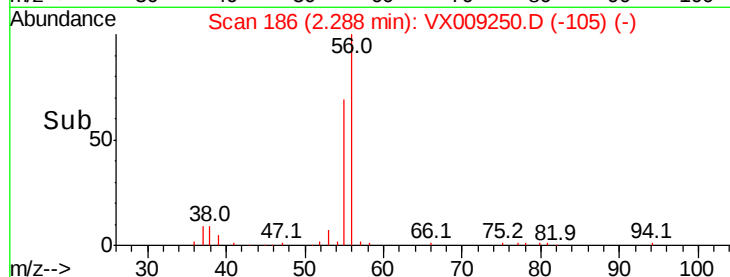
4000

2000

0

Time-->

2.20 2.25 2.30 2.35



#14

Acrylonitrile

Concen: 24.943 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

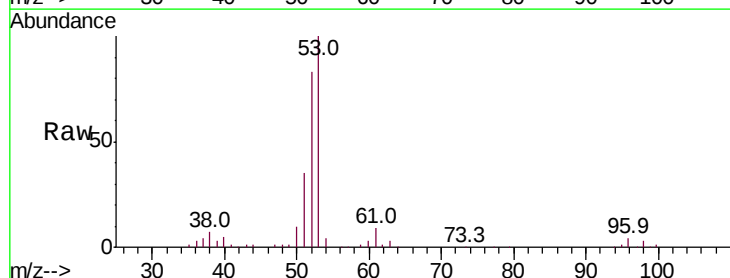
Tgt Ion: 53 Resp: 34895

Ion Ratio Lower Upper

53 100

52 82.9 41.5 124.5

51 35.5 17.8 53.3



Abundance Ion 53.00 (52.70 to 53.70): VX009250.D (-244) (-)

Ion 52.00 (51.70 to 52.70): VX009250.D (-244) (-)

Ion 51.00 (50.70 to 51.70): VX009250.D (-244) (-)

3.14

20000

15000

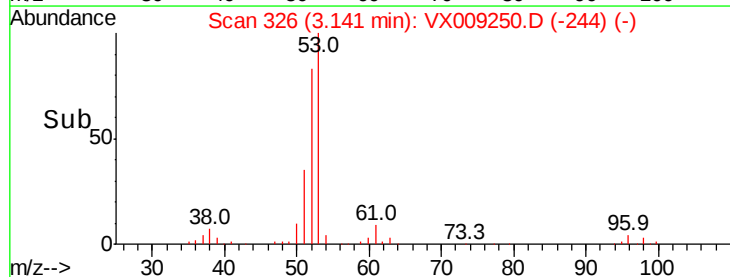
10000

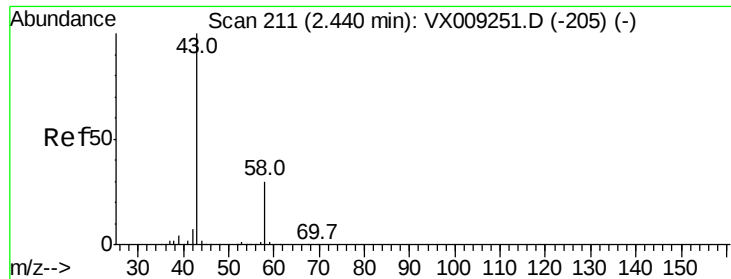
5000

0

Time-->

3.05 3.10 3.15 3.20 3.25





#15

Acetone

Concen: 25.700 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

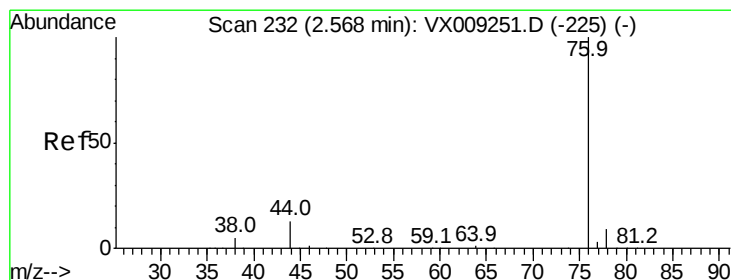
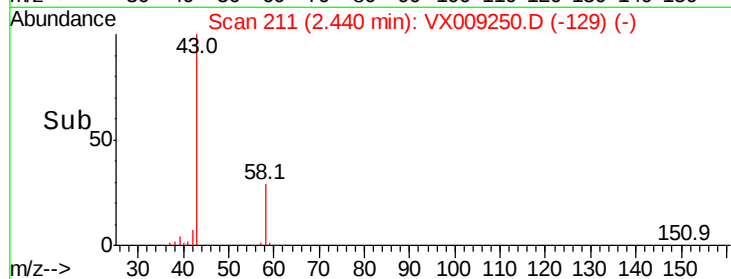
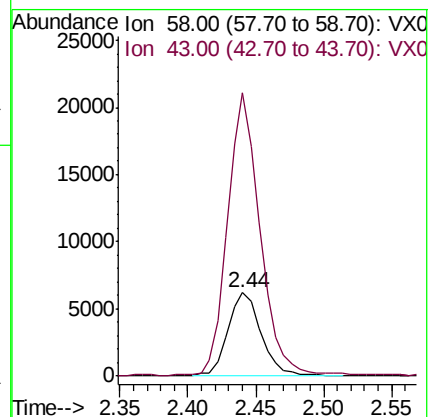
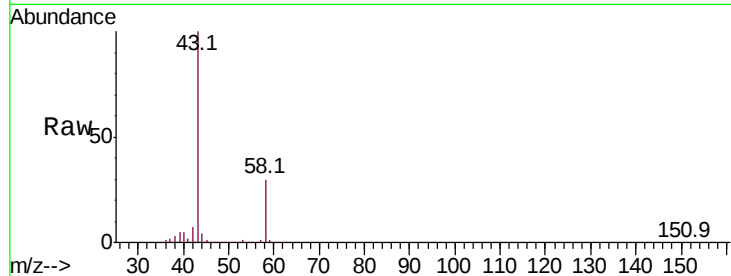
VSTDIC005

Tot Ion: 58 Resp: 10681

Ion Ratio Lower Upper

58 100

43 336.5 264.0 396.0



#16

Carbon Disulfide

Concen: 4.489 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009250.D

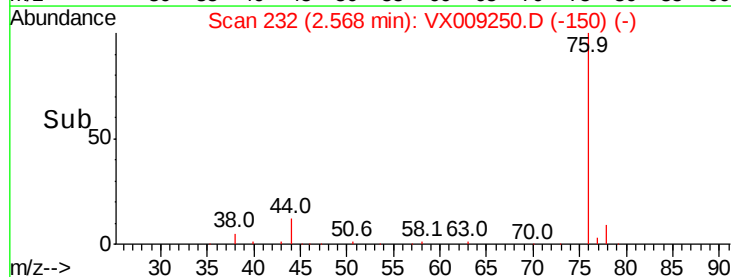
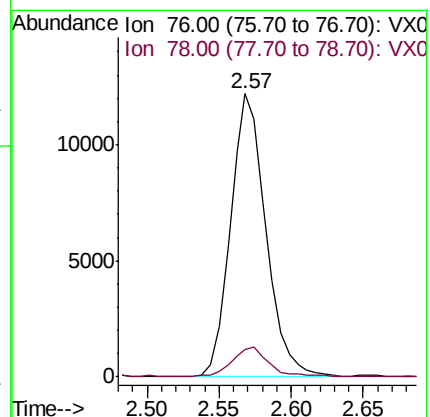
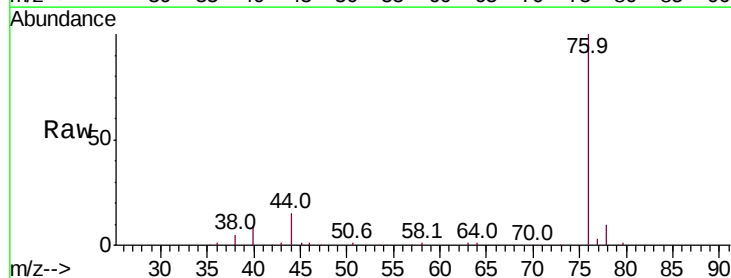
Acq: 01 May 2019 11:07

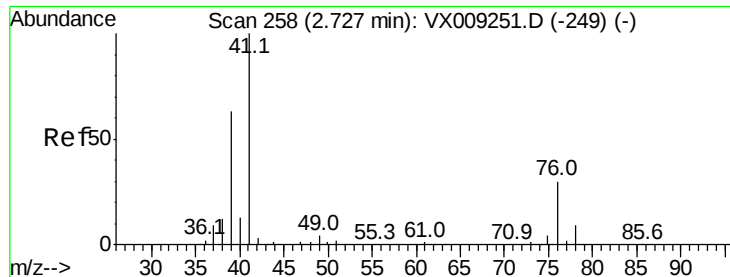
Tgt Ion: 76 Resp: 20884

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2





#17

Allvl chloride

Concen: 5.156 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

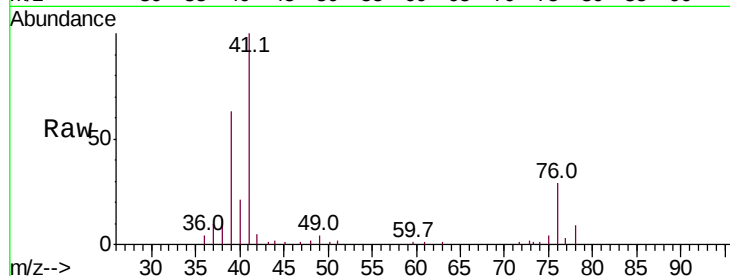
Tot Ion: 41 Resp: 21082

Ion Ratio Lower Upper

41 100

39 62.3 31.6 94.7

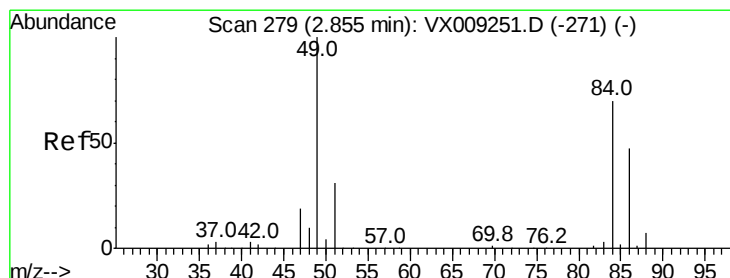
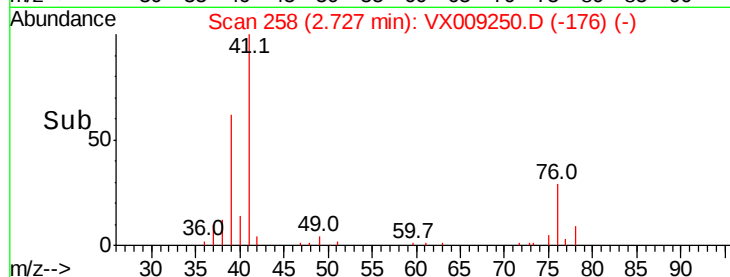
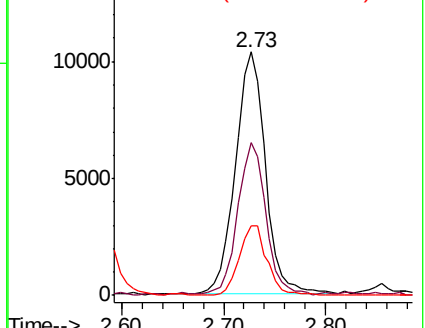
76 28.9 15.1 45.3



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: 5.335 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion: 84 Resp: 11026

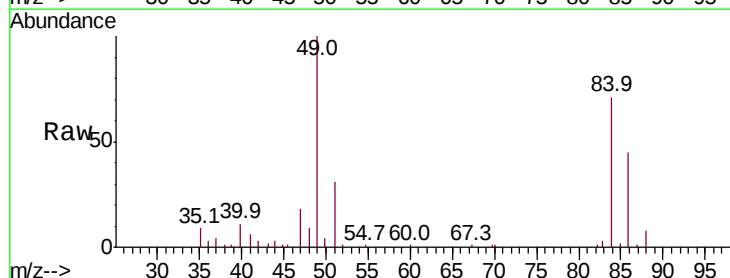
Ion Ratio Lower Upper

84 100

49 138.7 114.6 171.8

51 43.1 35.5 53.3

86 63.7 53.4 80.2

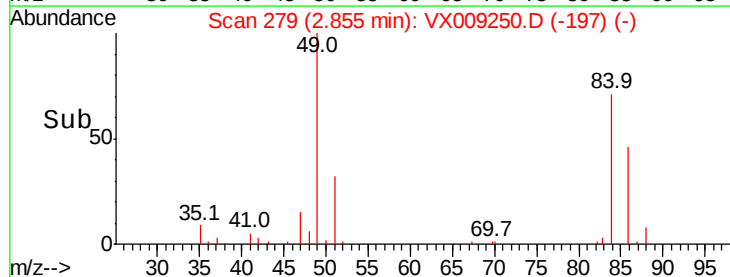
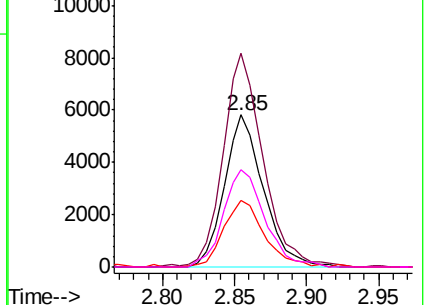


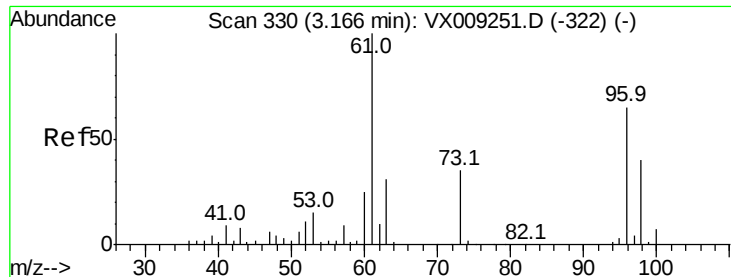
Abundance Ion 84.00 (83.70 to 84.70): VX0

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: 5.029 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

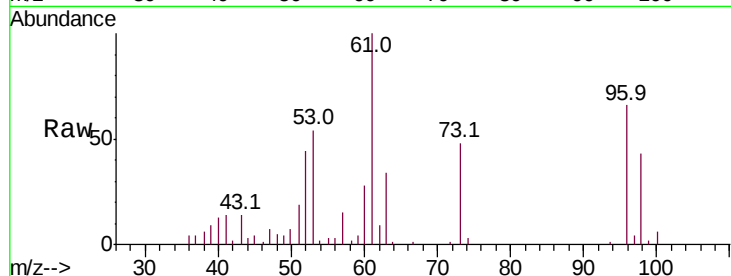
Tot Ion: 96 Resp: 9196

Ion Ratio Lower Upper

96 100

61 149.0 122.7 184.1

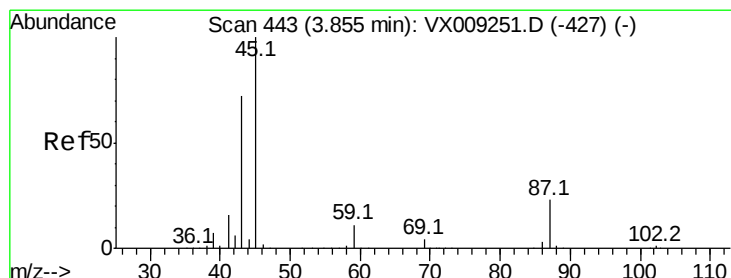
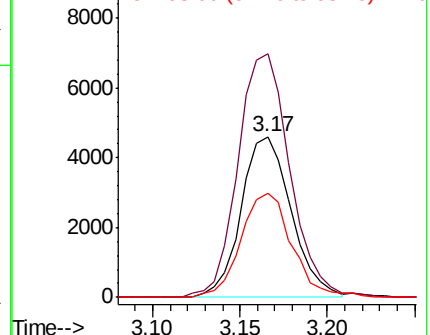
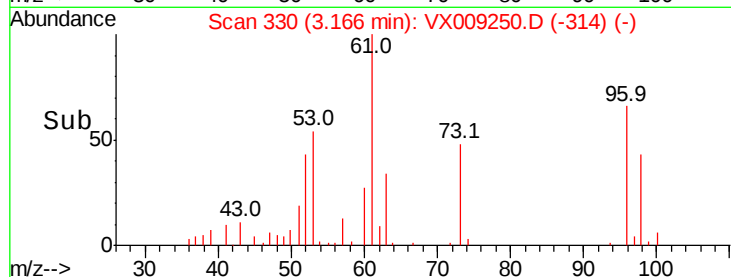
98 64.9 49.5 74.3



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: 5.341 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Tgt Ion: 45 Resp: 43439

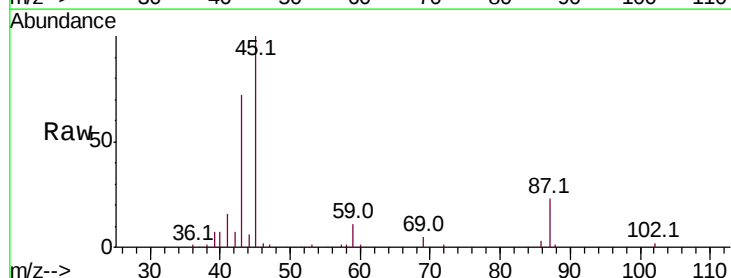
Ion Ratio Lower Upper

45 100

43 69.9 57.7 86.5

87 23.4 18.5 27.7

59 10.8 8.8 13.2

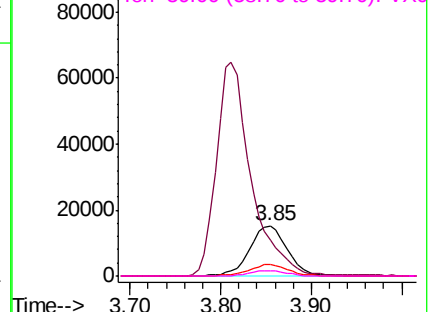
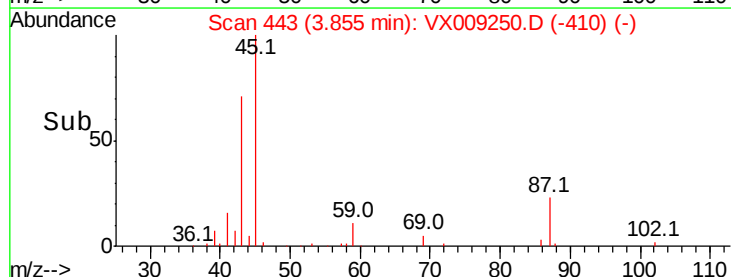


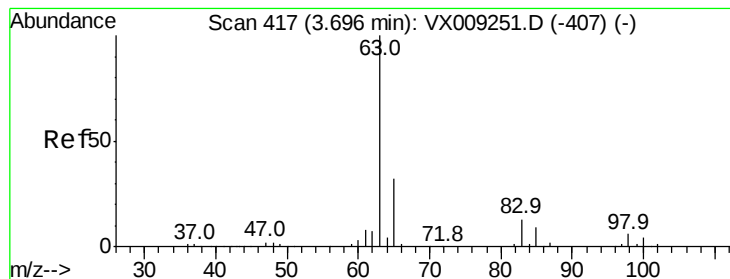
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 5.306 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

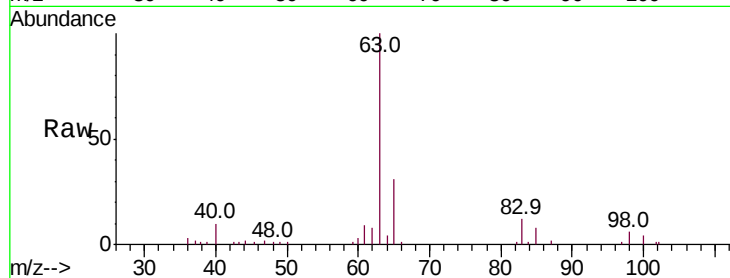
Tot Ion: 63 Resp: 20649

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

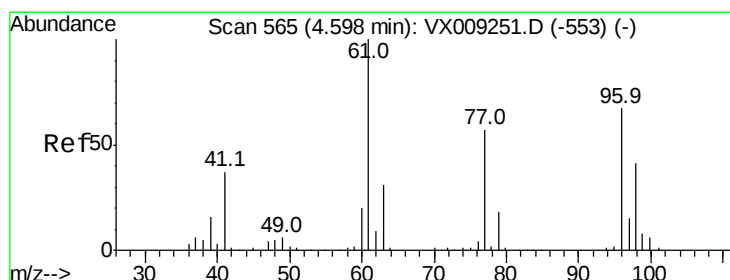
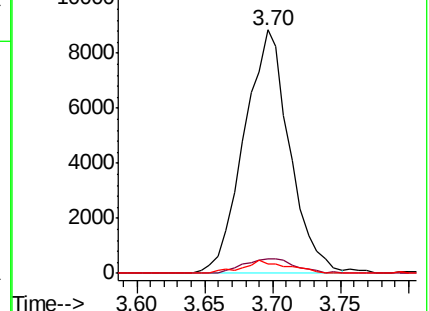
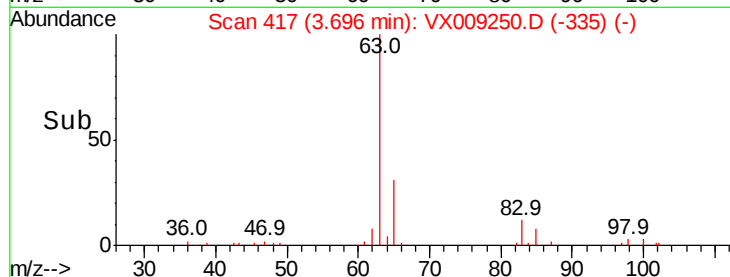
100 4.0 2.2 6.6



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: 5.228 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

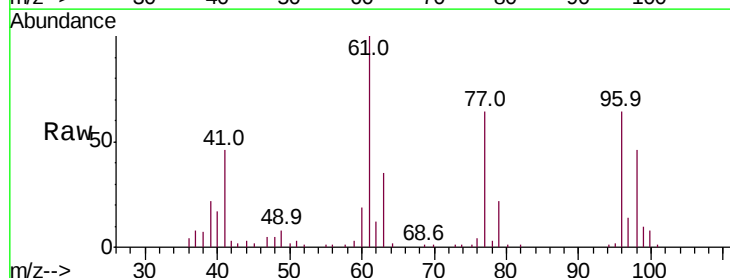
Tgt Ion: 96 Resp: 11522

Ion Ratio Lower Upper

96 100

61 164.6 127.7 191.5

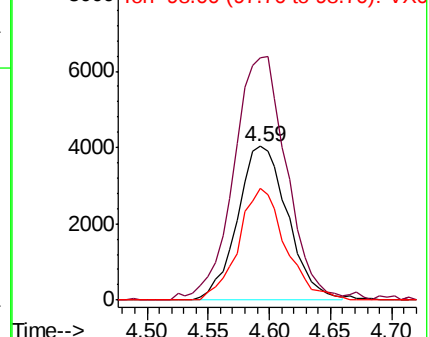
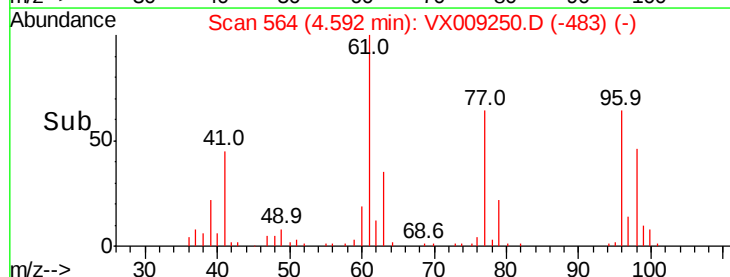
98 68.1 50.5 75.7

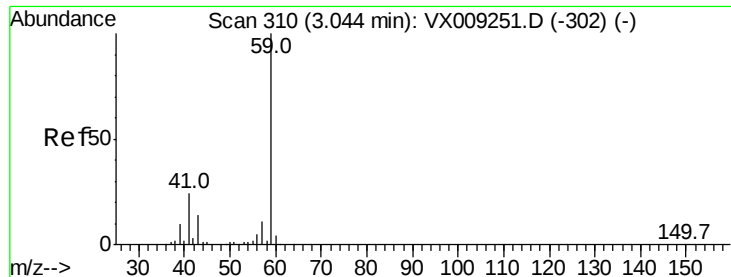


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 23.278 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

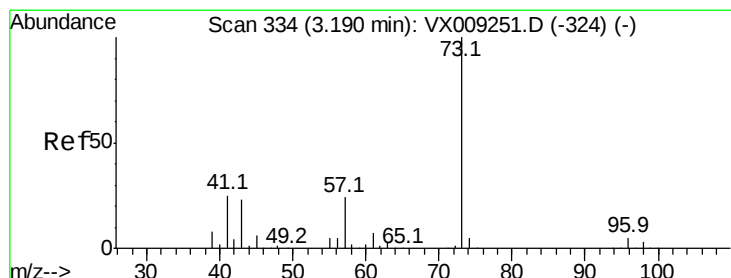
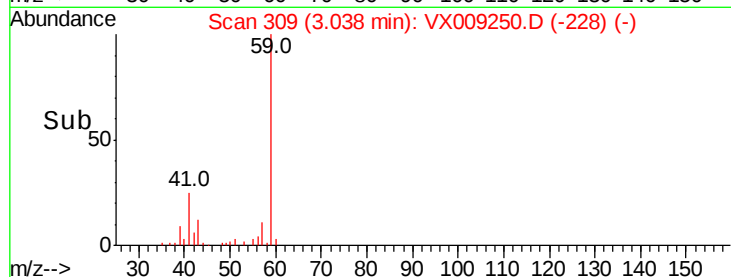
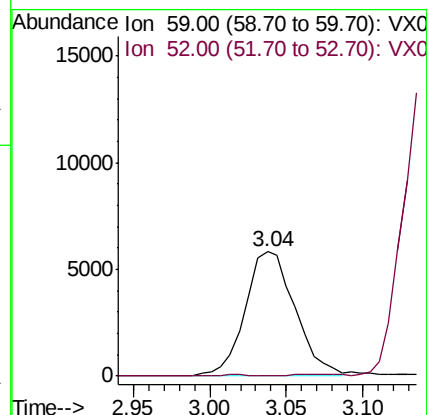
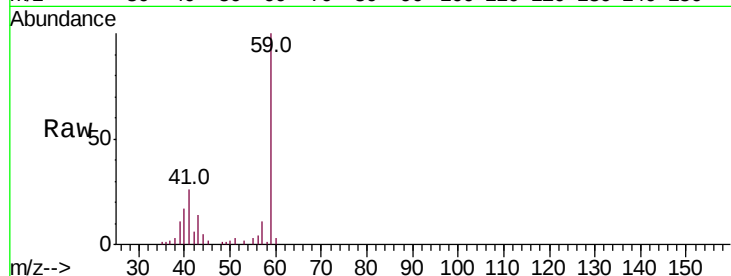
VSTDIC005

Tot Ion: 59 Resp: 13274

Ion Ratio Lower Upper

59 100

52 0.9 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 5.434 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.00 min

Lab File: VX009250.D

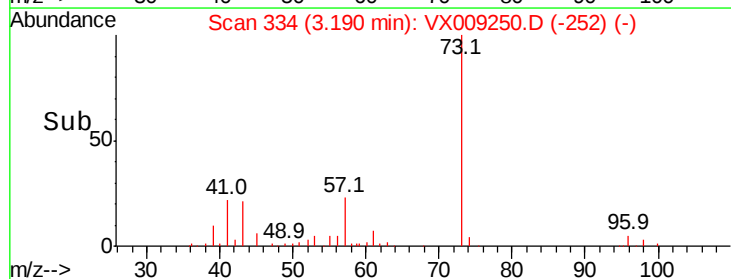
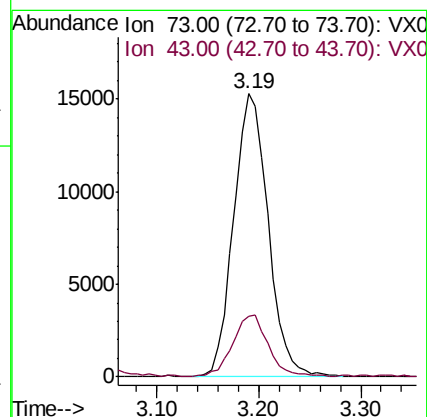
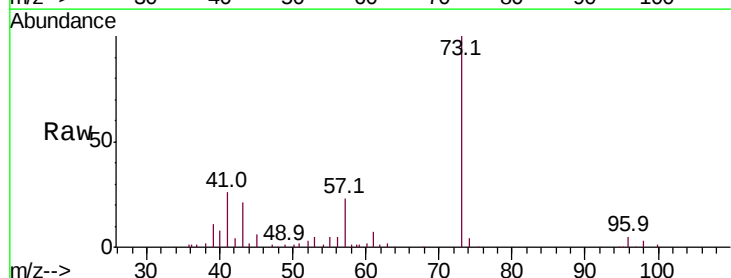
Acq: 01 May 2019 11:07

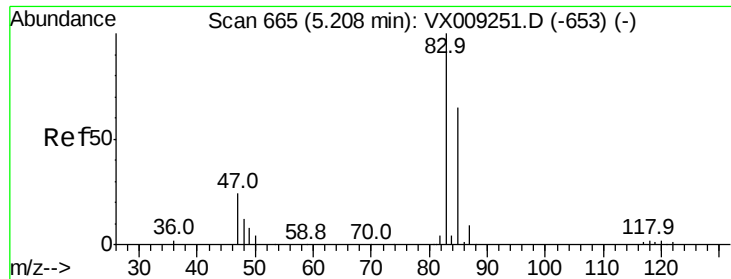
Tgt Ion: 73 Resp: 35915

Ion Ratio Lower Upper

73 100

43 22.7 17.6 26.4





#25

Chloroform

Concen: 5.388 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

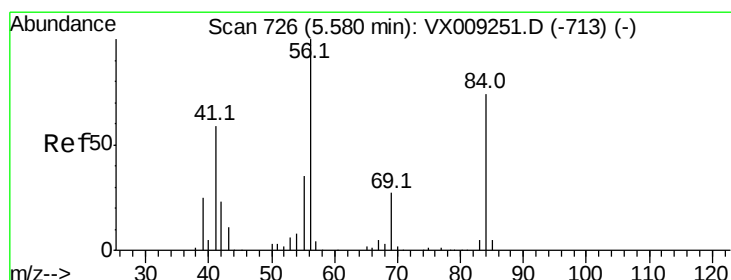
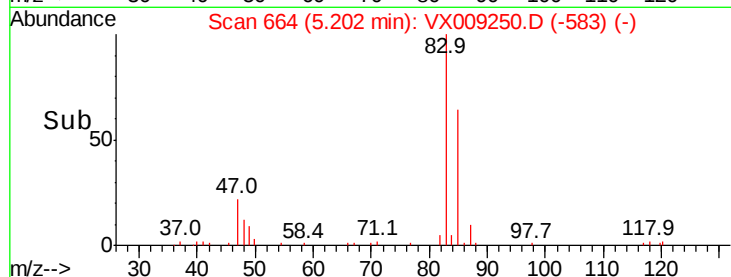
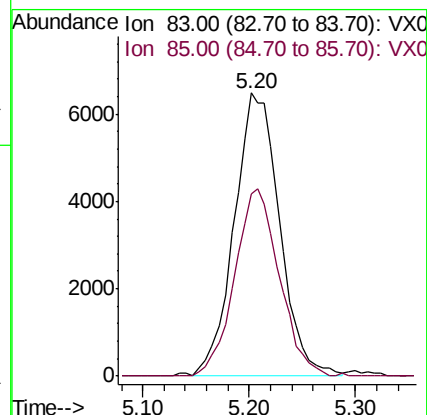
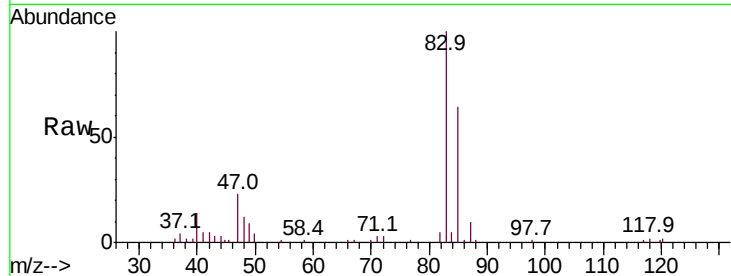
VSTDIC005

Tot Ion: 83 Resp: 19380

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9



#26

Cyclohexane

Concen: 5.148 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

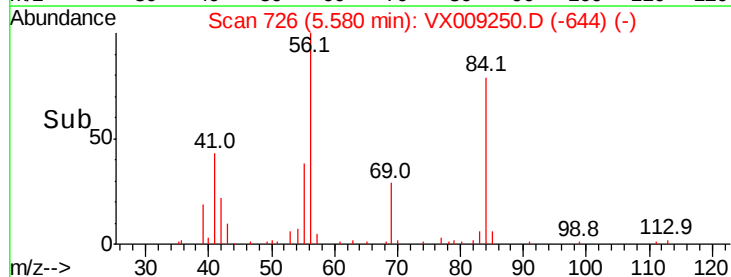
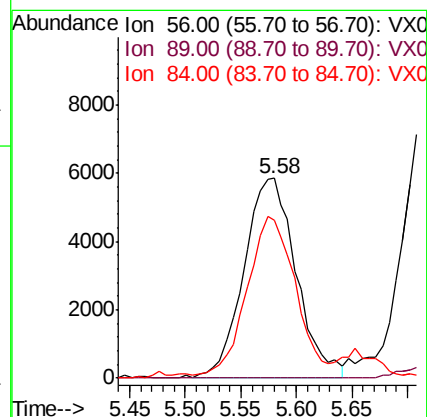
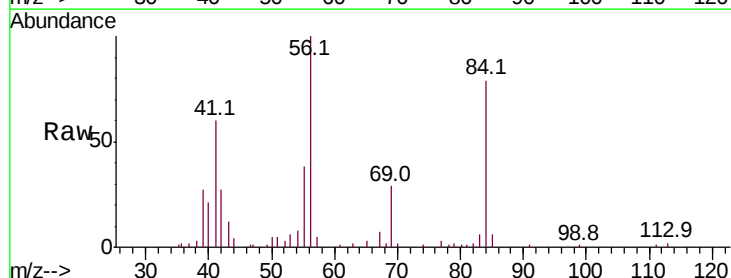
Tgt Ion: 56 Resp: 19089

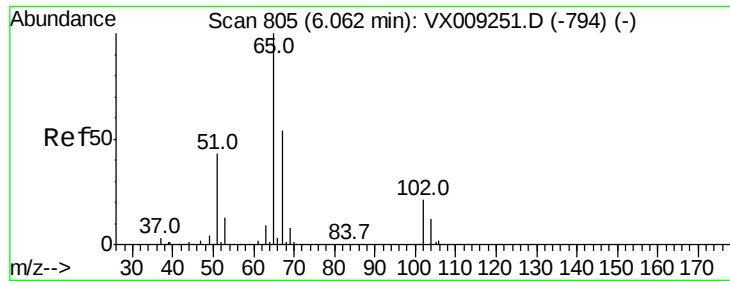
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 73.0 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 38.380 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

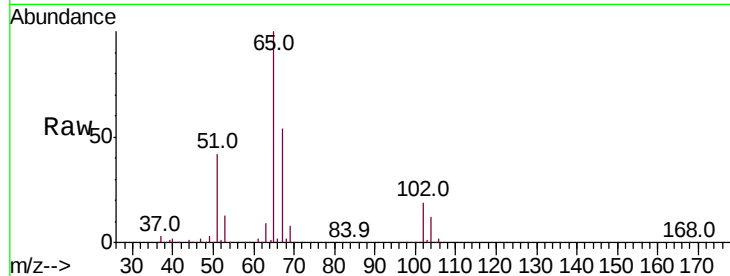
VSTDIC005

Tot Ion: 65 Resp: 101317

Ion Ratio Lower Upper

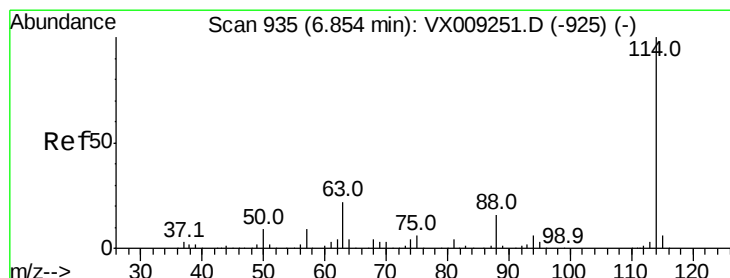
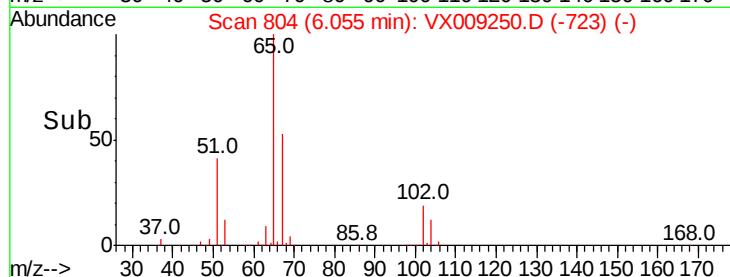
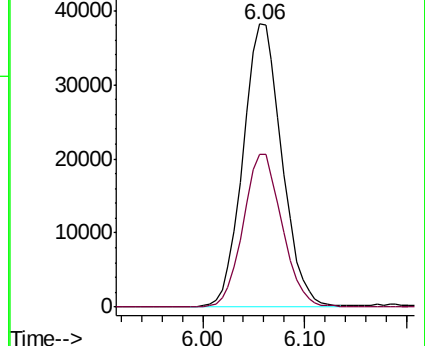
65 100

67 53.8 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

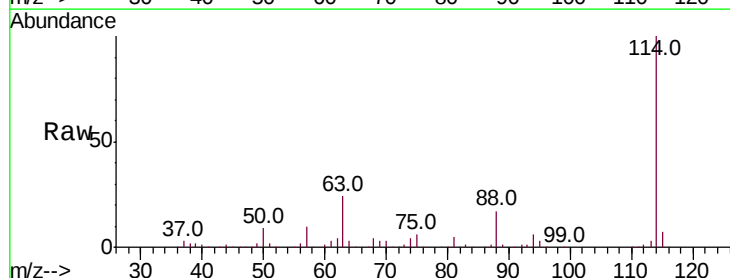
Tgt Ion: 114 Resp: 268501

Ion Ratio Lower Upper

114 100

63 23.3 18.0 27.0

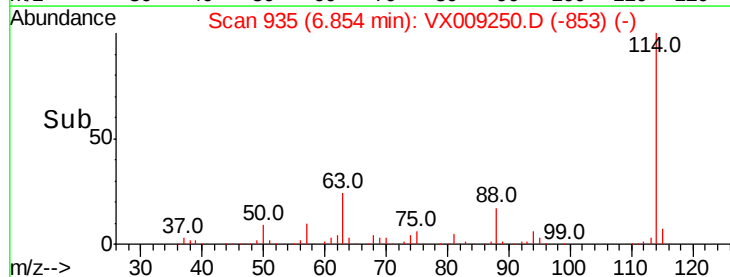
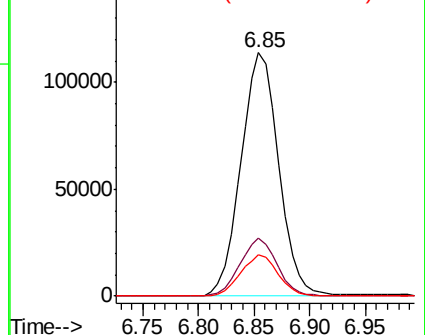
88 16.8 13.4 20.0

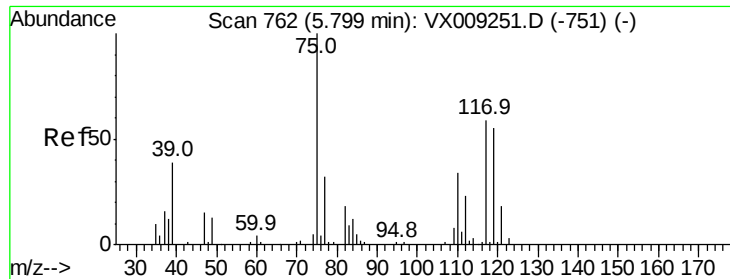


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

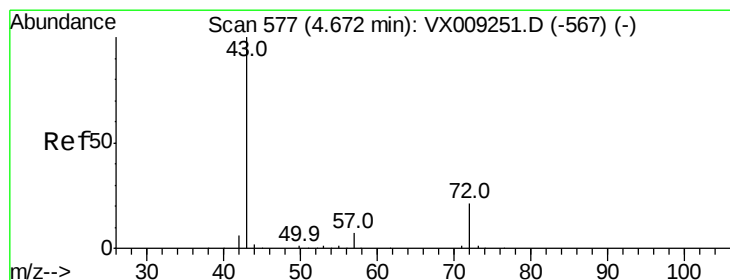
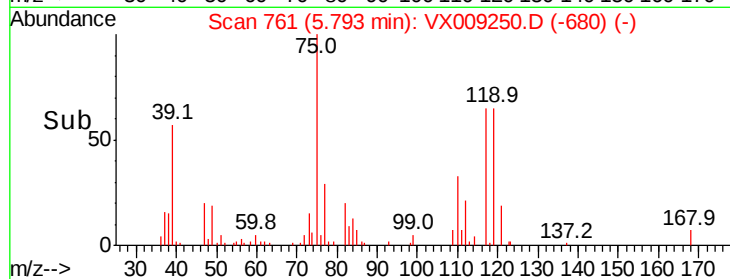
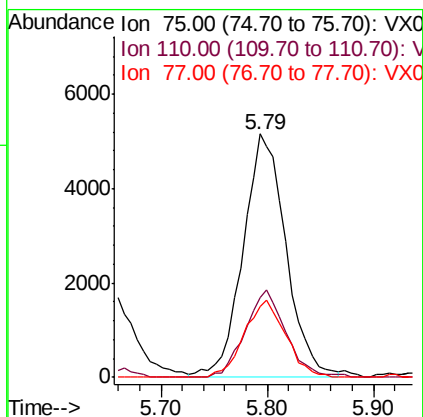
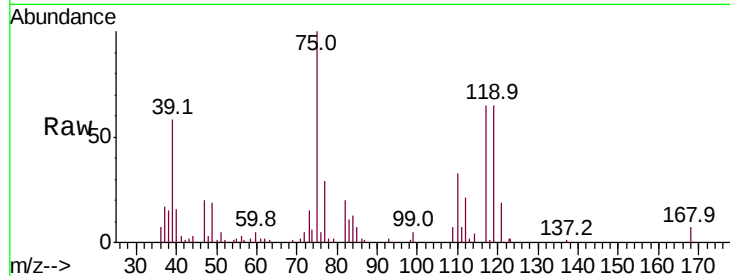




#29
 1,1-Dichloropropene
 Concen: 3.739 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

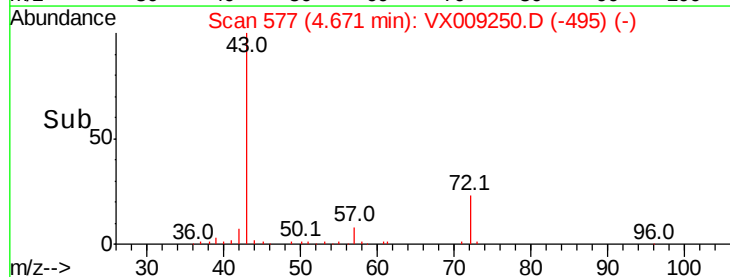
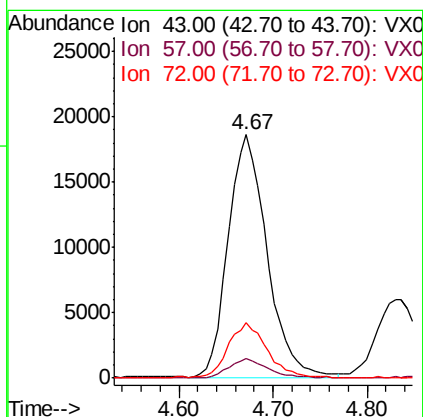
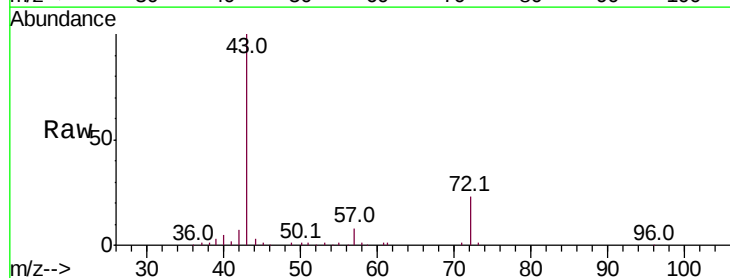
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

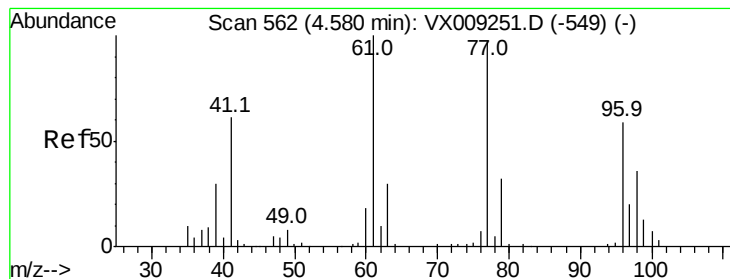
Tot Ion: 75 Resp: 14581
 Ion Ratio Lower Upper
 75 100
 110 33.8 0.0 66.4
 77 30.8 0.0 62.2



#30
 2-Butanone
 Concen: 17.441 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion: 43 Resp: 53237
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.0 9.0
 72 22.9 18.2 27.4





#31

2,2-Dichloropropane

Concen: 3.732 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

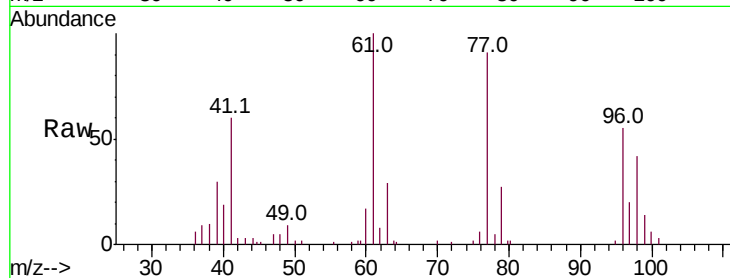
VSTDIC005

Tot Ion: 77 Resp: 15887

Ion Ratio Lower Upper

77 100

97 22.8 18.3 27.5

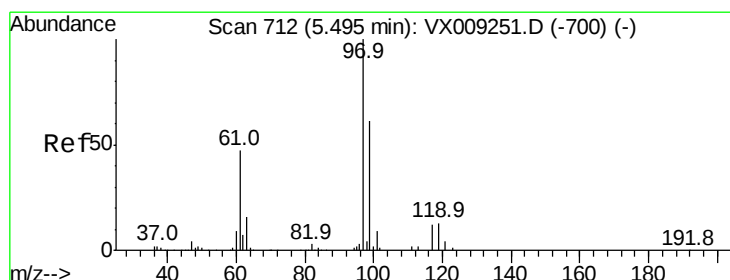
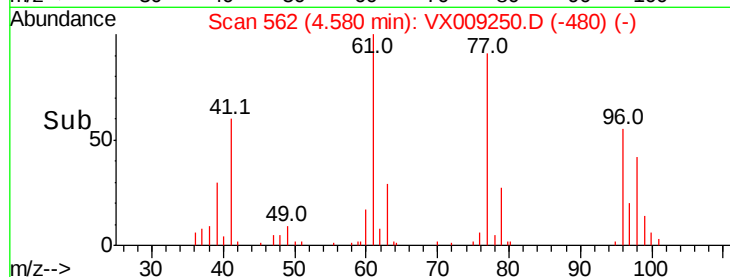


Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

4.58

Time-->



#32

1,1,1-Trichloroethane

Concen: 3.815 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

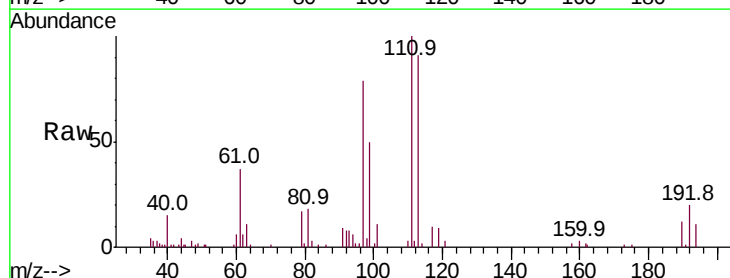
Tgt Ion: 97 Resp: 15626

Ion Ratio Lower Upper

97 100

99 63.3 53.9 80.9

61 45.4 38.6 58.0



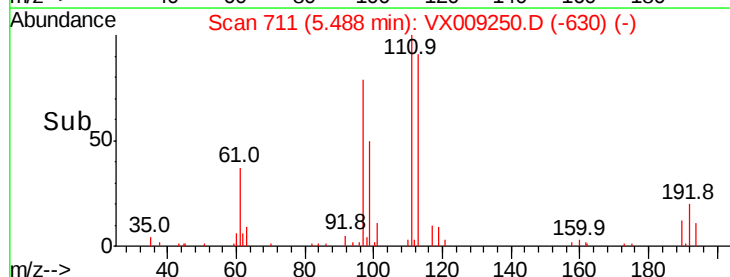
Abundance Ion 97.00 (96.70 to 97.70): VX0

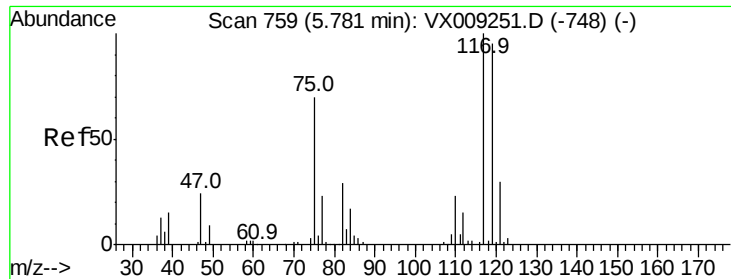
Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

5.49

Time-->

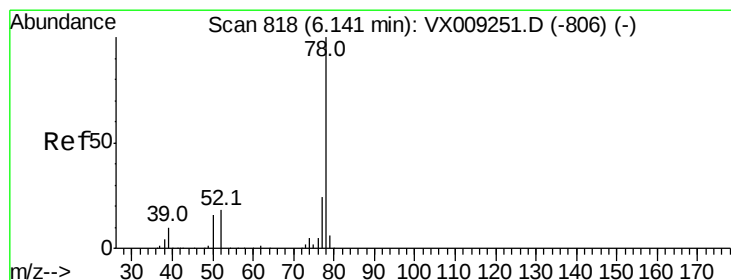
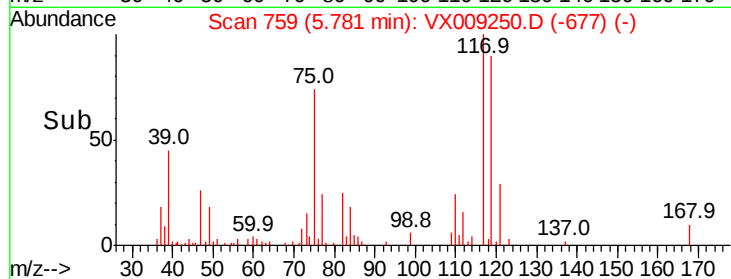
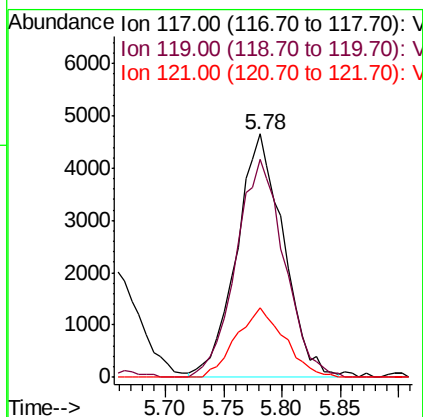
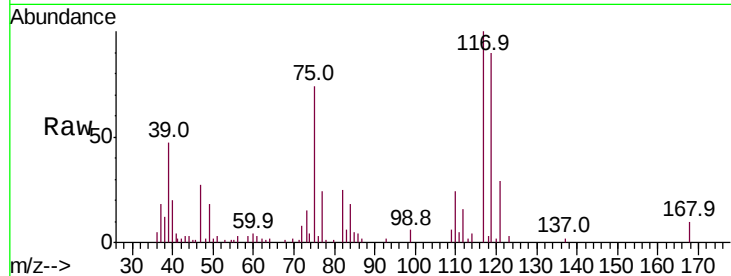




#33
Carbon Tetrachloride
Concen: 3.735 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

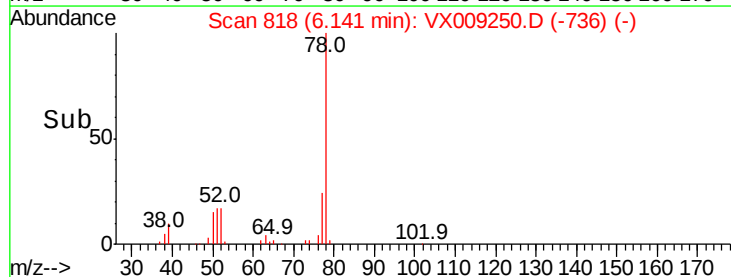
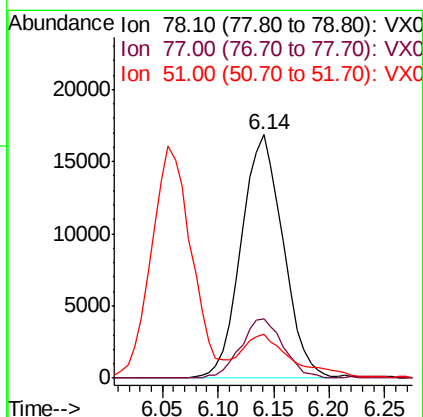
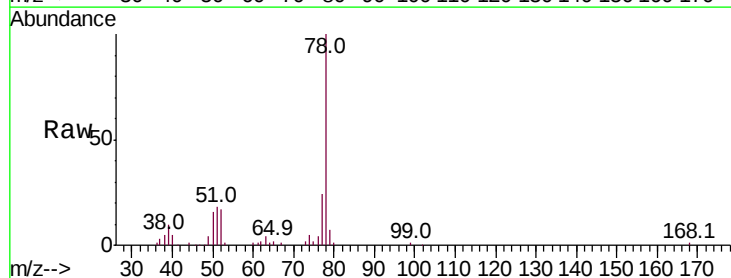
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

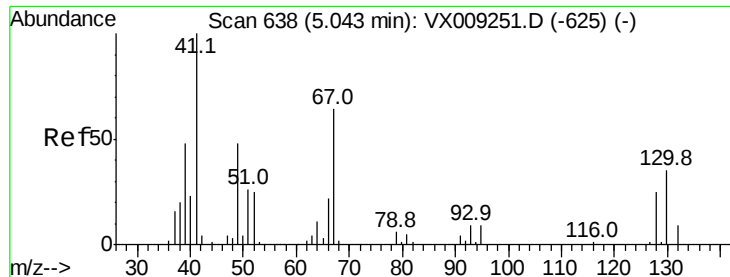
Tot Ion:117 Resp: 13007
Ion Ratio Lower Upper
117 100
119 91.0 76.1 114.1
121 29.0 24.4 36.6



#34
Benzene
Concen: 3.660 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion: 78 Resp: 44256
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2
51 15.2 13.5 20.3

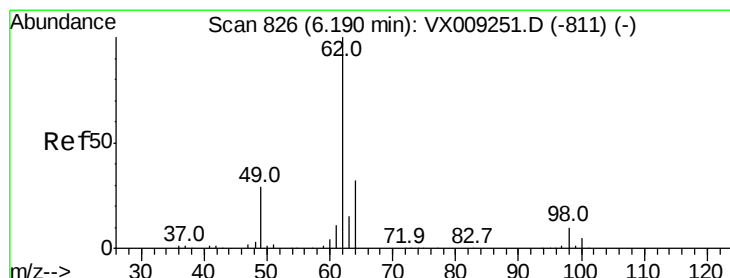
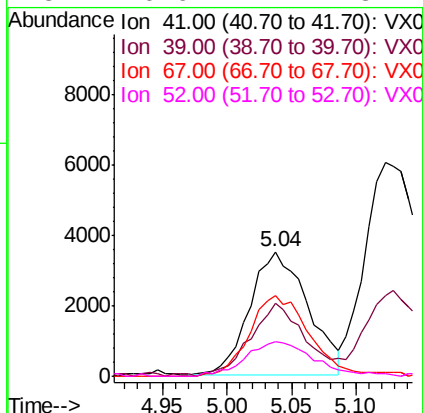
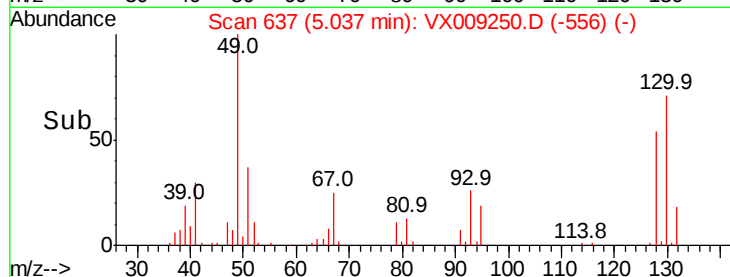
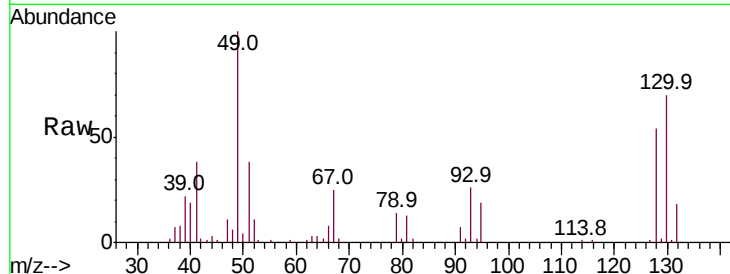




#35
Methacrylonitrile
Concen: 3.394 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

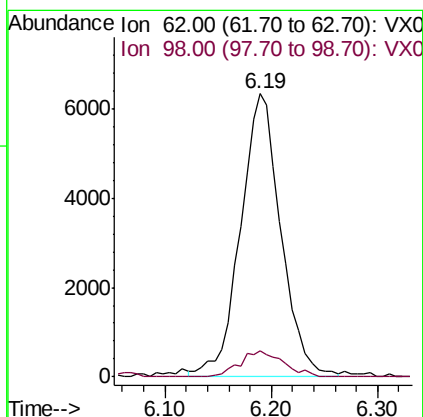
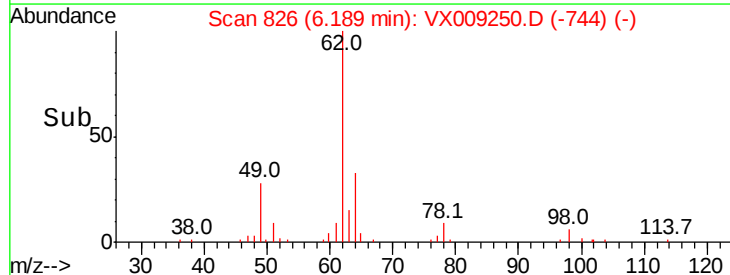
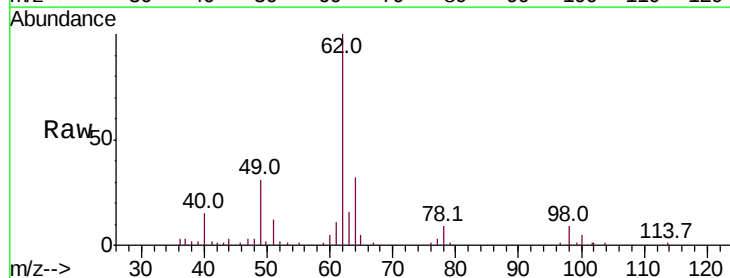
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

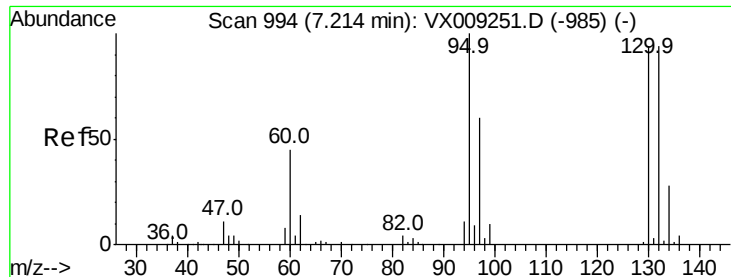
Tot Ion:	41	Resp:	10858
Ion	Ratio	Lower	Upper
41	100		
39	57.1	24.1	72.3
67	65.4	32.2	96.6
52	26.6	12.4	37.4



#36
1,2-Dichloroethane
Concen: 3.865 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion:	62	Resp:	16836
Ion	Ratio	Lower	Upper
62	100		
98	9.9	7.4	11.2

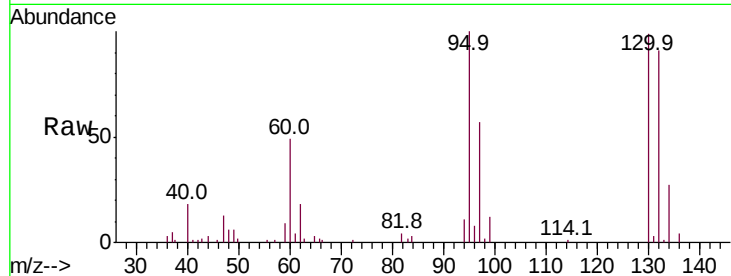




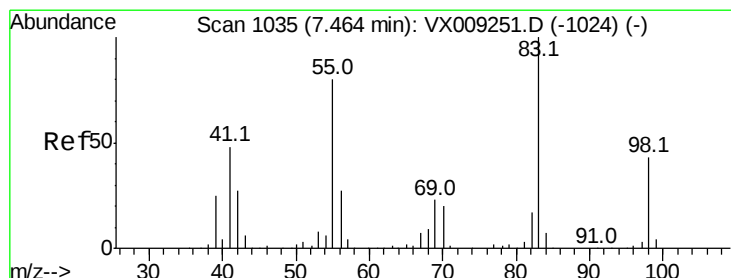
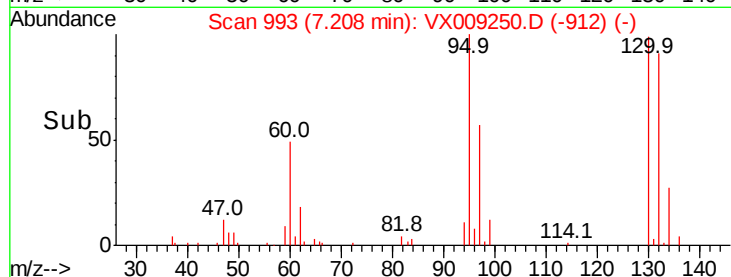
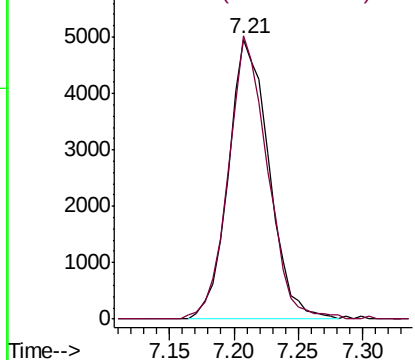
#37
 Trichloroethene
 Concen: 3.828 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 10842
 Ion Ratio Lower Upper
 130 100
 95 99.4 85.0 127.4

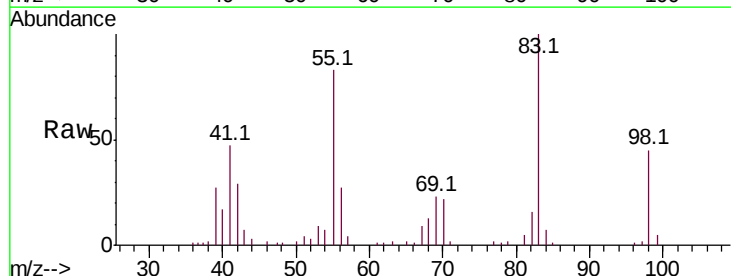


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

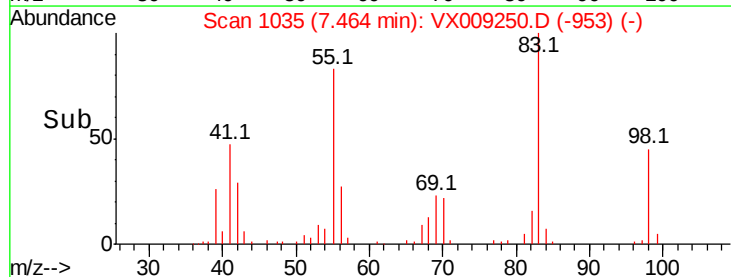
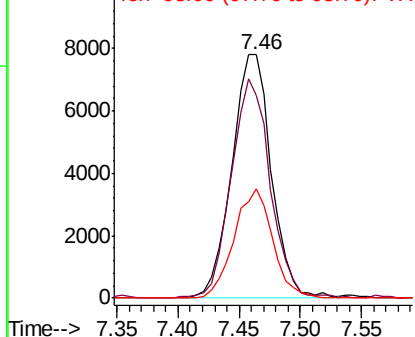


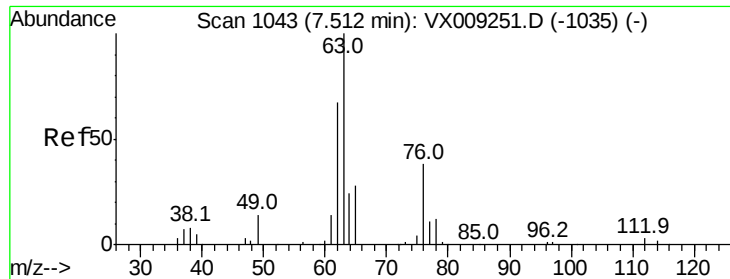
#38
 Methylcyclohexane
 Concen: 3.675 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion: 83 Resp: 17517
 Ion Ratio Lower Upper
 83 100
 55 88.2 43.0 129.2
 98 43.5 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

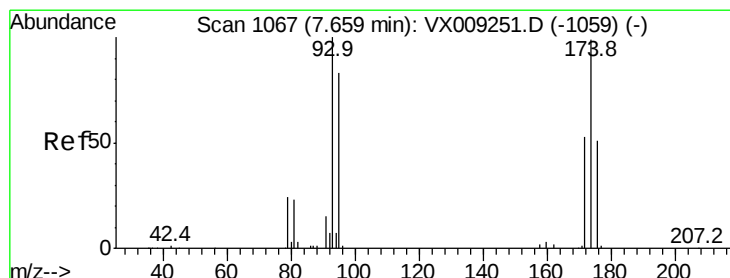
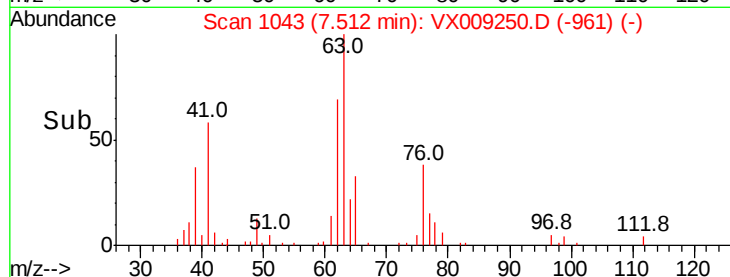
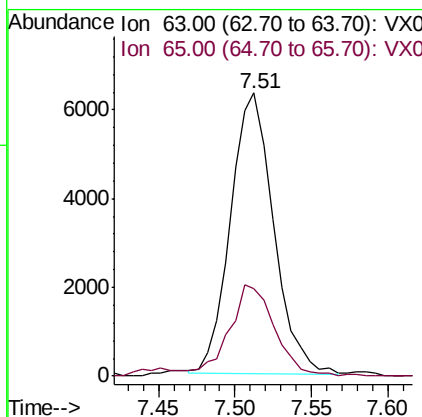
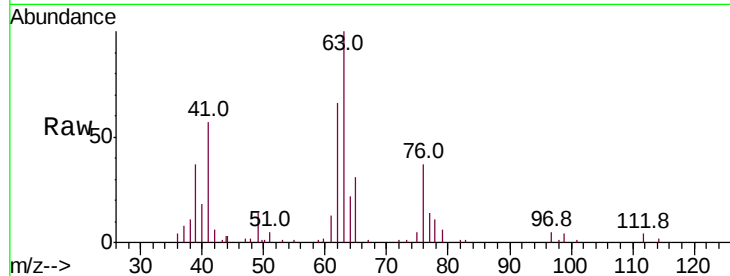




#39
 1,2-Dichloropropane
 Concen: 3.651 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

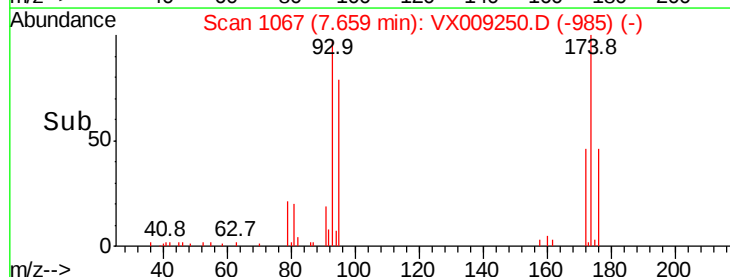
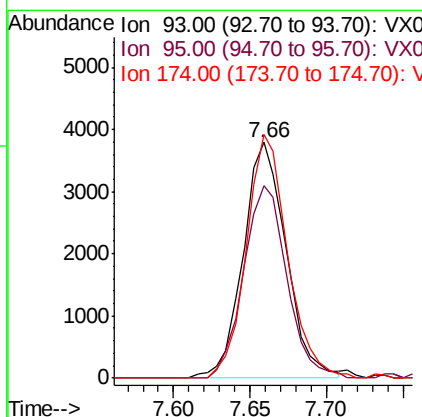
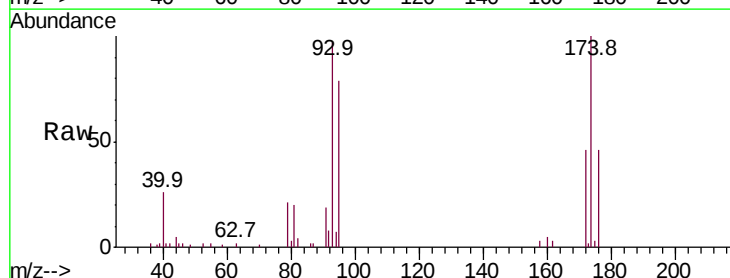
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

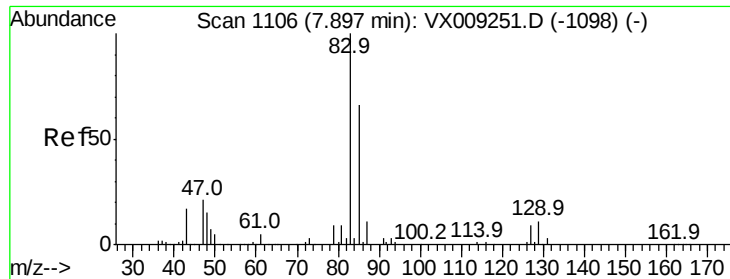
Tot Ion: 63 Resp: 12394
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.0 36.0



#40
 Dibromomethane
 Concen: 3.826 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion: 93 Resp: 7397
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 167.2
 174 99.1 0.0 203.4





#41

Bromodichloromethane

Concen: 3.674 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

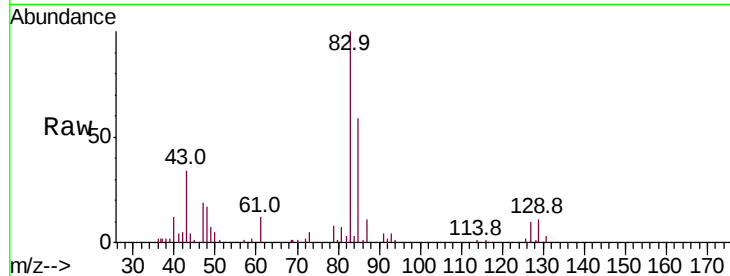
Tot Ion: 83 Resp: 14227

Ion Ratio Lower Upper

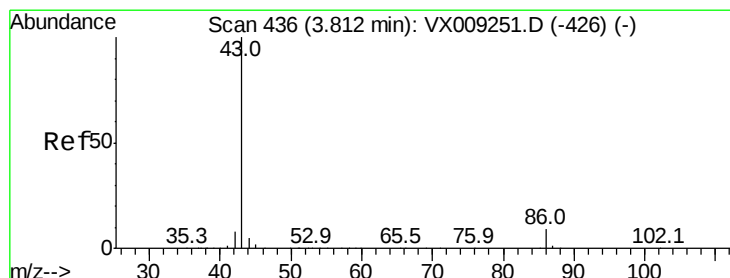
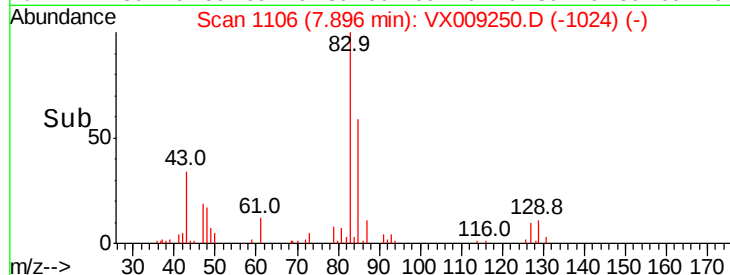
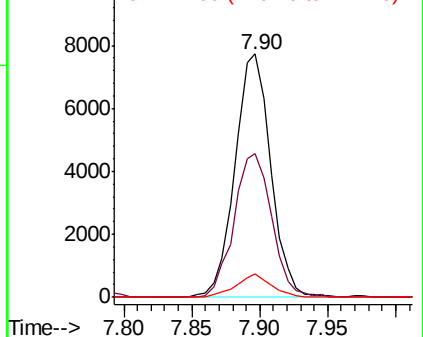
83 100

85 59.2 52.6 79.0

127 9.8 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: 17.171 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009250.D

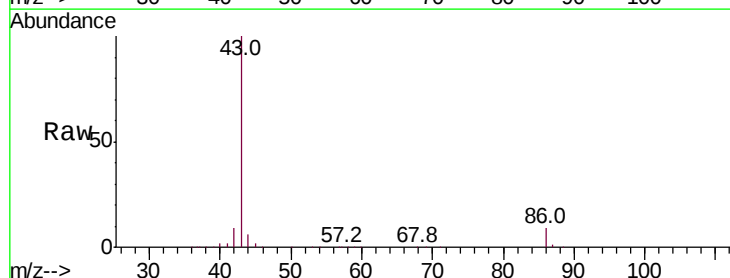
Acq: 01 May 2019 11:07

Tgt Ion: 43 Resp: 173719

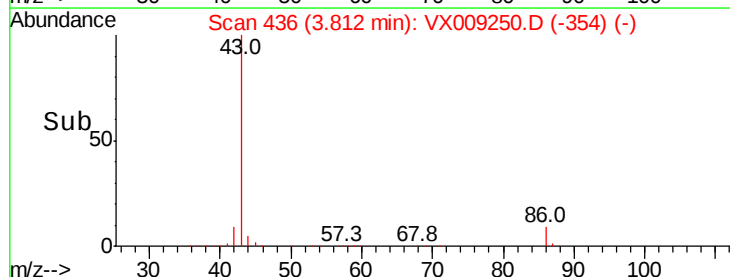
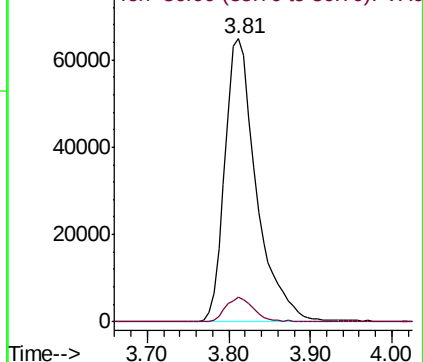
Ion Ratio Lower Upper

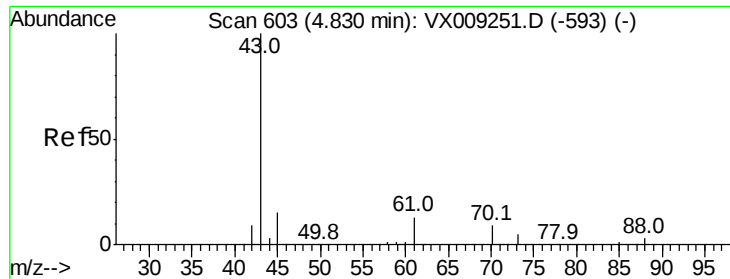
43 100

86 7.6 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: 3.154 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

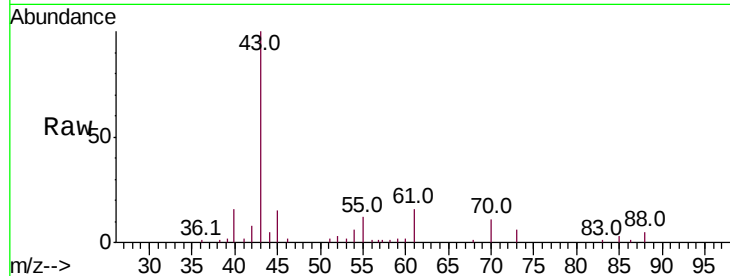
VSTDIC005

Tot Ion: 43 Resp: 17811

Ion Ratio Lower Upper

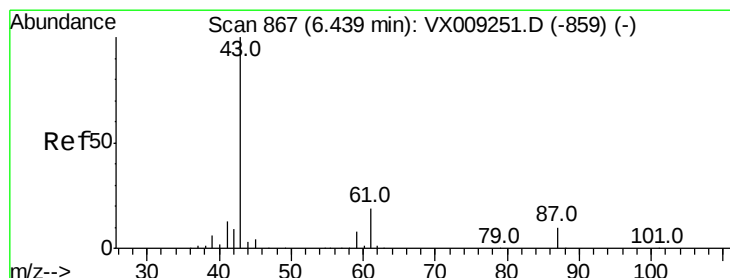
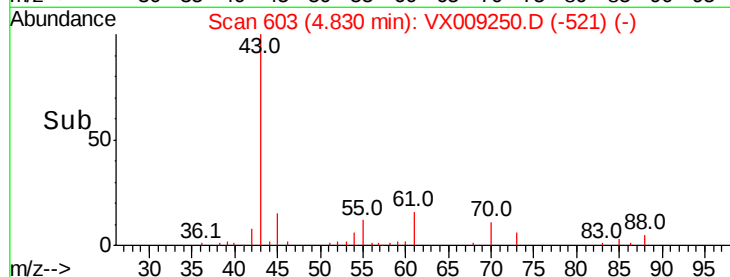
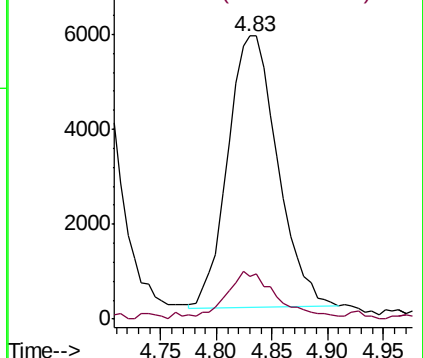
43 100

45 17.7 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 3.596 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX009250.D

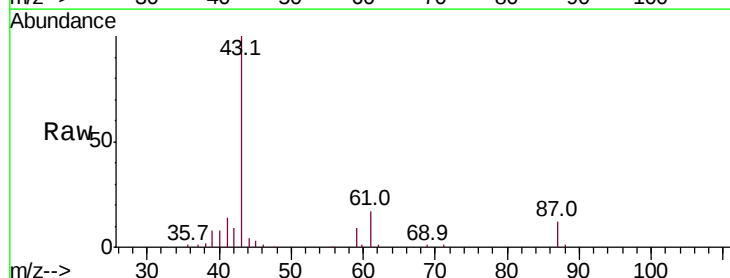
Acq: 01 May 2019 11:07

Tgt Ion: 43 Resp: 31245

Ion Ratio Lower Upper

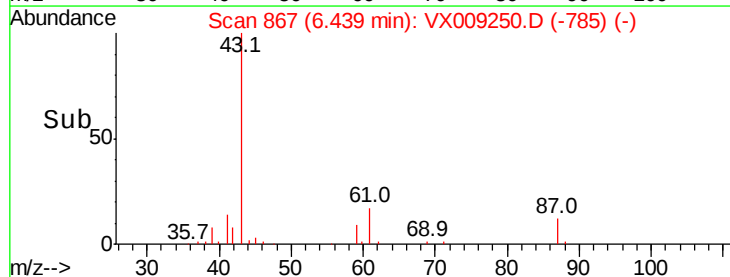
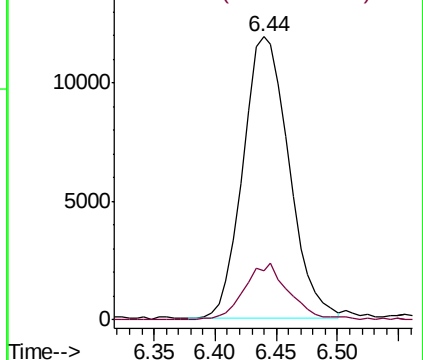
43 100

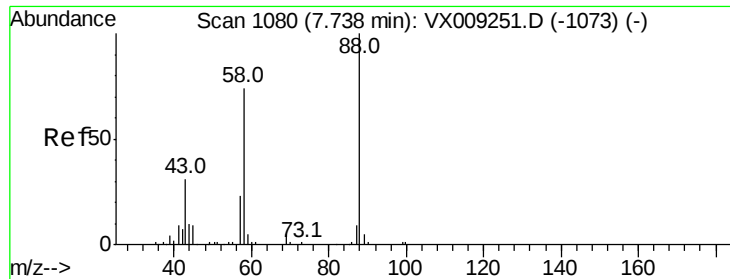
61 18.9 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

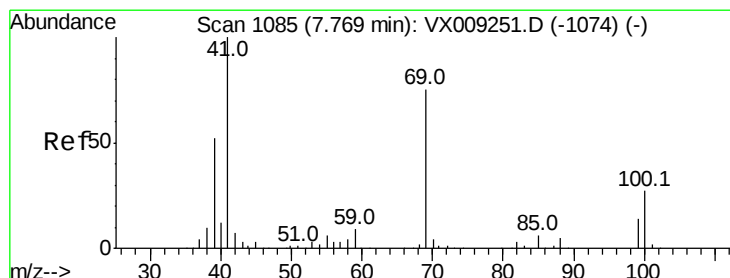
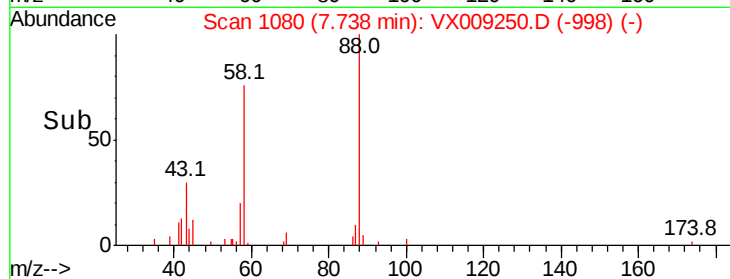
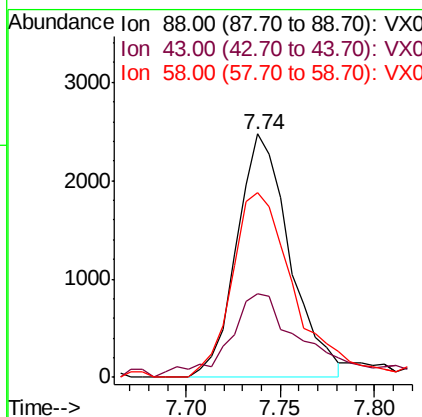
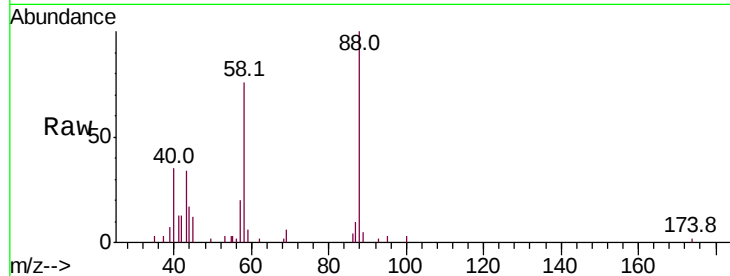




#45
1,4-Dioxane
Concen: 55.928 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

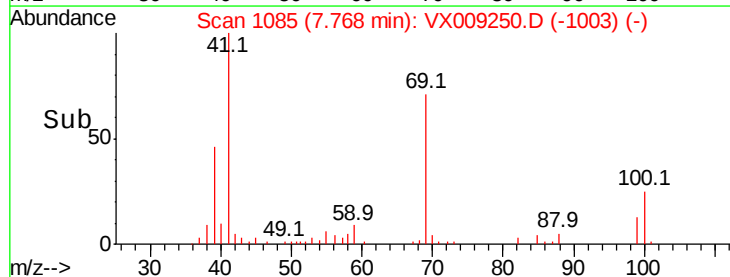
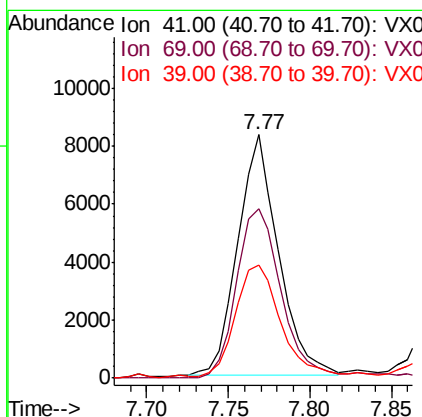
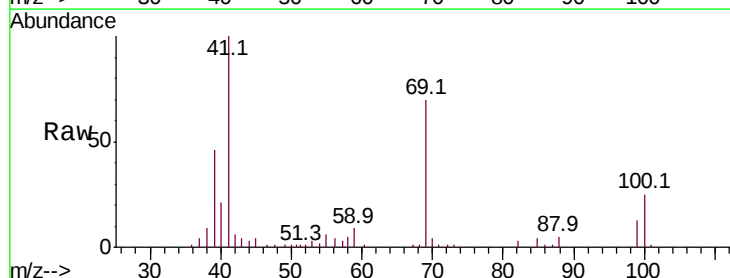
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

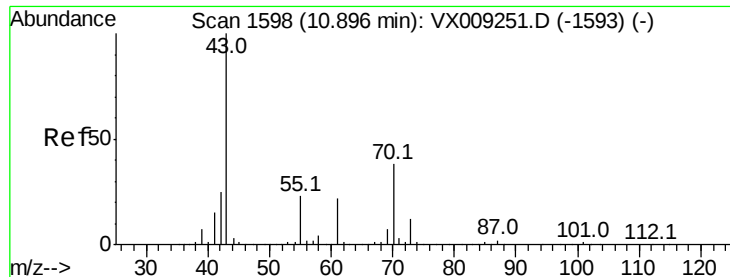
Tot Ion: 88 Resp: 4831
Ion Ratio Lower Upper
88 100
43 46.7 28.5 42.7#
58 89.5 62.5 93.7



#46
Methyl methacrylate
Concen: 3.292 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion: 41 Resp: 14460
Ion Ratio Lower Upper
41 100
69 70.4 37.6 112.8
39 46.2 25.8 77.3





#47

n-amvl Acetate

Concen: 3.469 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

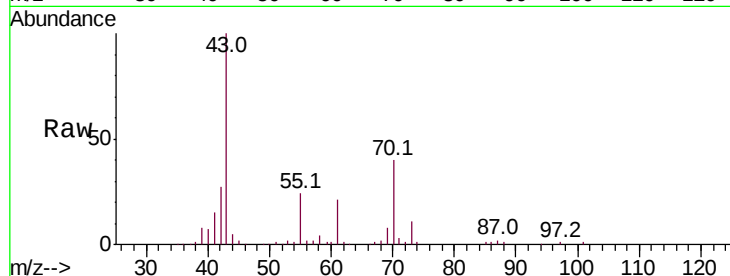
VSTDIC005

Tot Ion: 43 Resp: 26915

Ion Ratio Lower Upper

43 100

55 23.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

25000

20000

15000

10000

5000

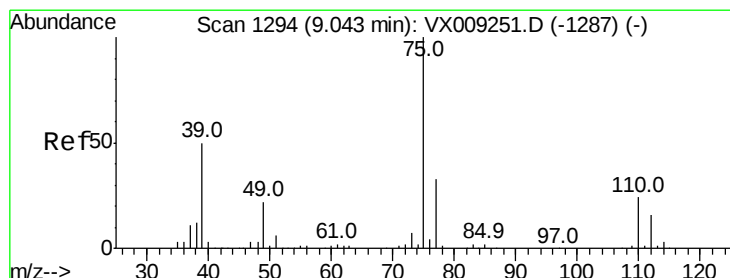
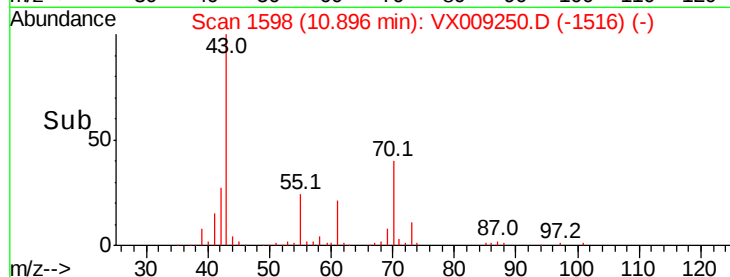
0

10.85

10.90

10.95

Time-->



#48

t-1,3-Dichloropropene

Concen: 3.462 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009250.D

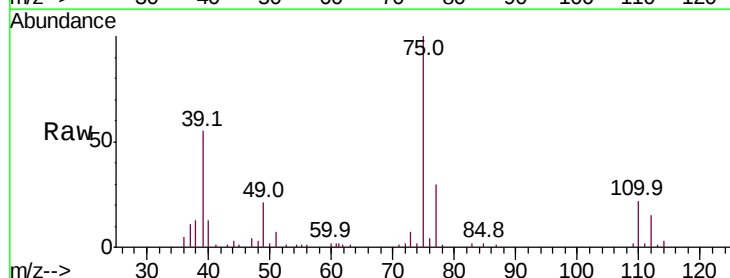
Acq: 01 May 2019 11:07

Tgt Ion: 75 Resp: 15330

Ion Ratio Lower Upper

75 100

77 30.4 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

12000

10000

8000

6000

4000

2000

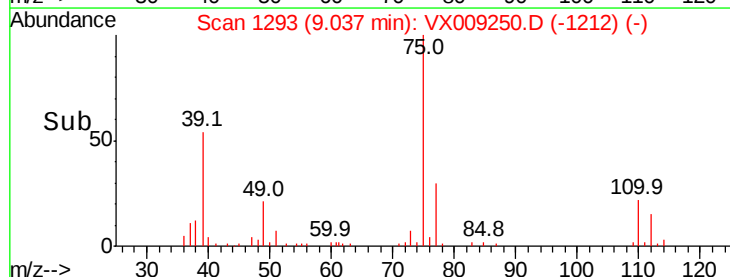
0

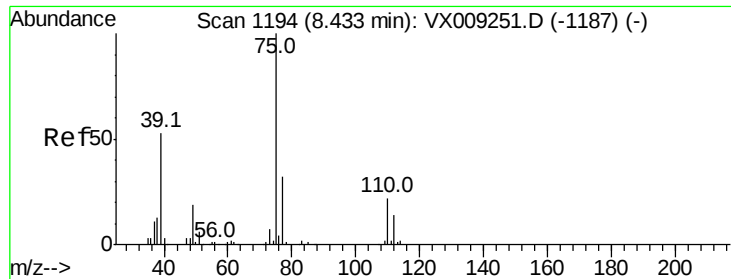
9.00

9.04

9.10

Time-->

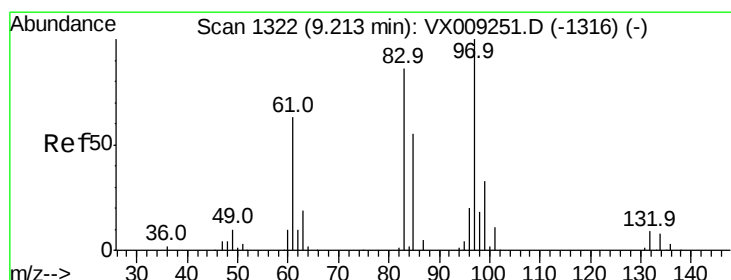
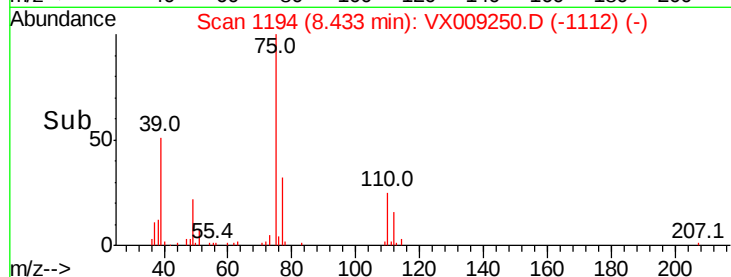
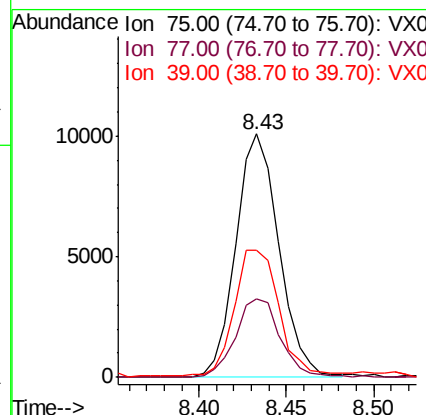
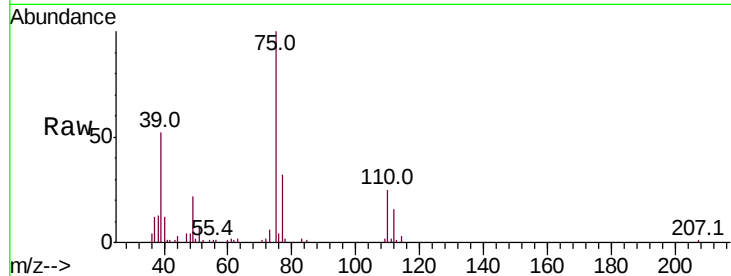




#49
 cis-1,3-Dichloropropene
 Concen: 3.508 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

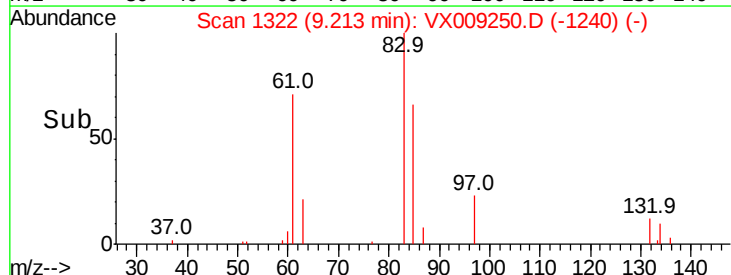
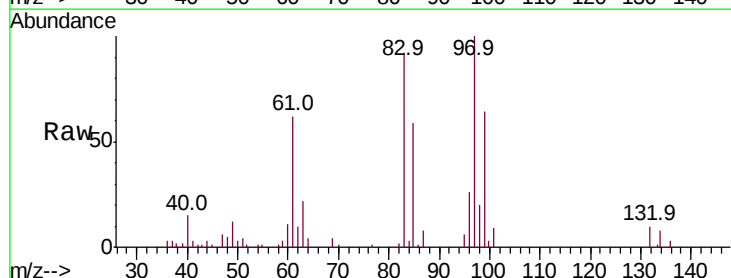
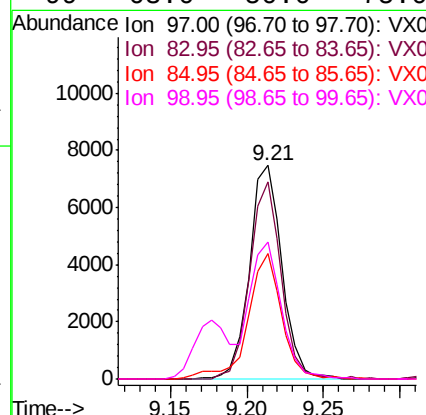
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

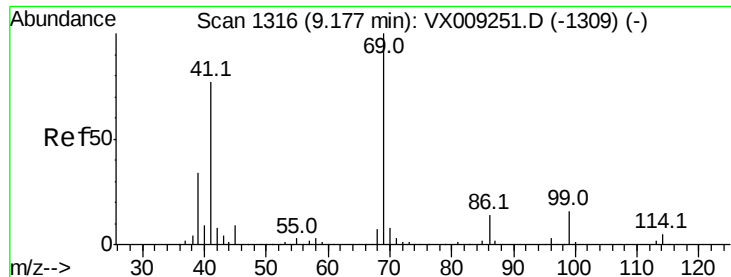
Tot Ion: 75 Resp: 17293
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.0 39.0
 39 51.3 42.6 63.8



#50
 1,1,2-Trichloroethane
 Concen: 3.726 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion: 97 Resp: 11061
 Ion Ratio Lower Upper
 97 100
 83 92.1 68.8 103.2
 85 58.2 45.8 68.6
 99 63.0 50.0 75.0





#51

Ethyl methacrylate

Concen: 3.371 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

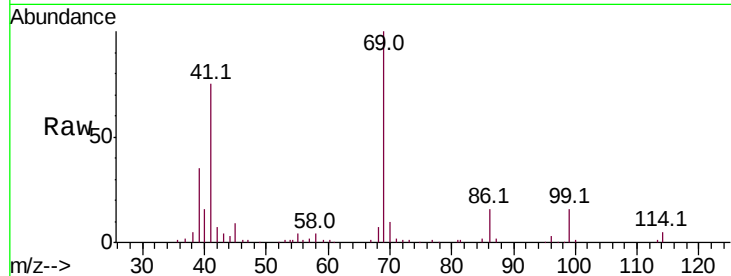
Tot Ion: 69 Resp: 18170

Ion Ratio Lower Upper

69 100

41 74.0 38.4 115.2

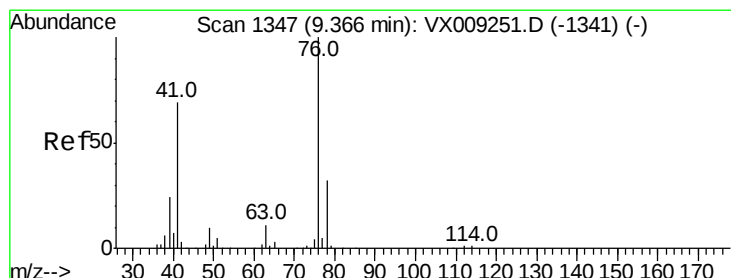
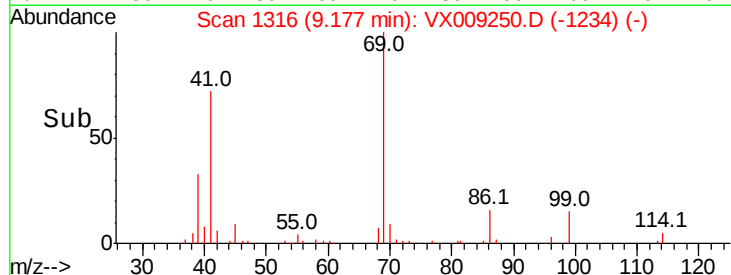
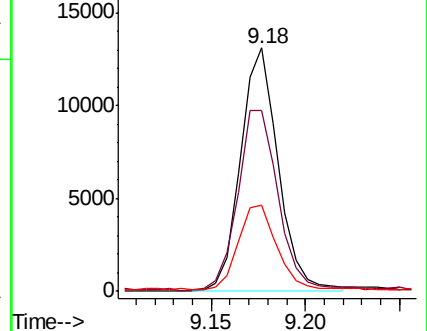
39 34.4 17.2 51.5



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: 3.630 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX009250.D

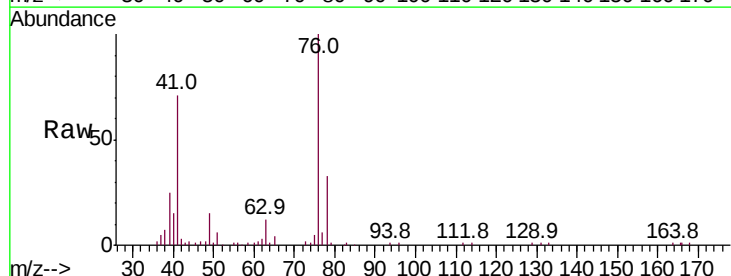
Acq: 01 May 2019 11:07

Tgt Ion: 76 Resp: 19142

Ion Ratio Lower Upper

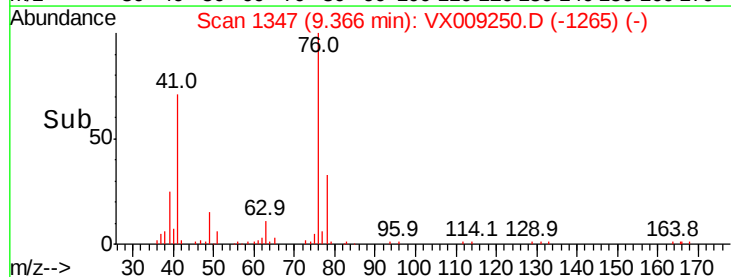
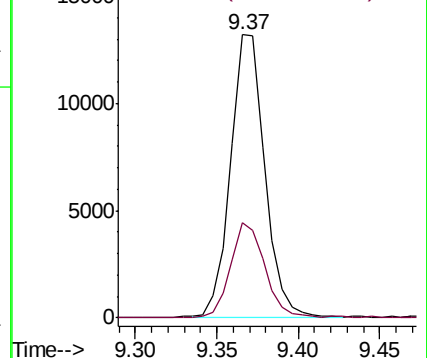
76 100

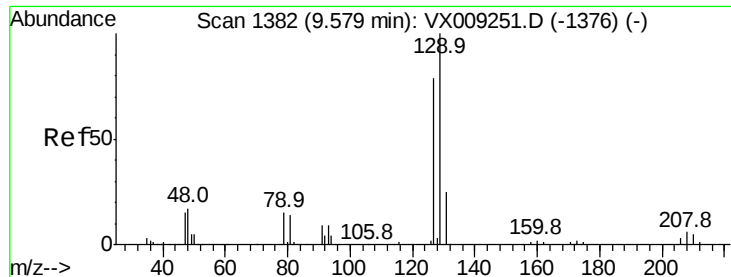
78 33.9 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 3.538 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

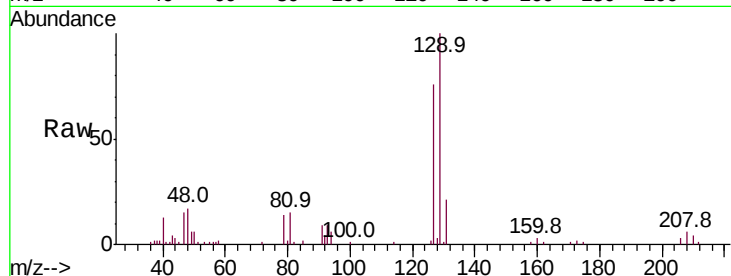
VSTDIC005

Tot Ion:129 Resp: 10097

Ion Ratio Lower Upper

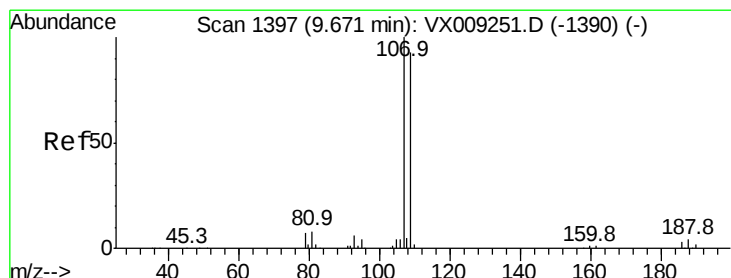
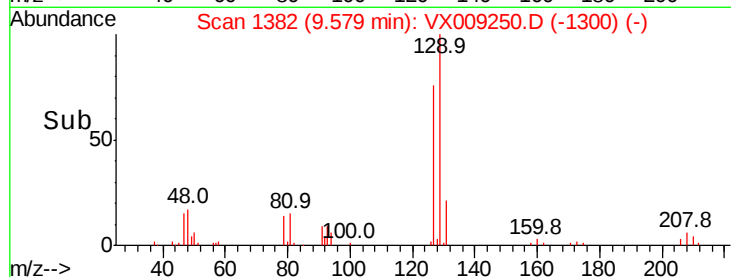
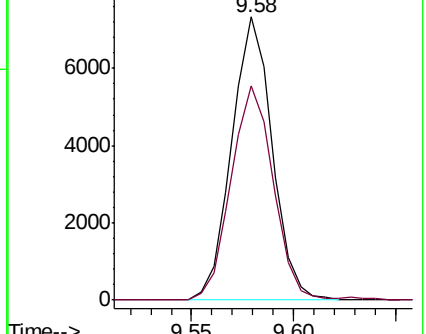
129 100

127 78.6 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: 3.682 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009250.D

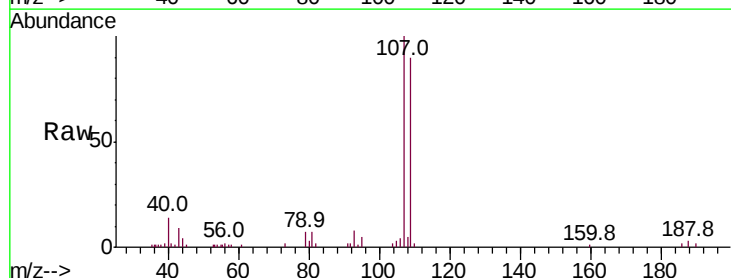
Acq: 01 May 2019 11:07

Tgt Ion:107 Resp: 11103

Ion Ratio Lower Upper

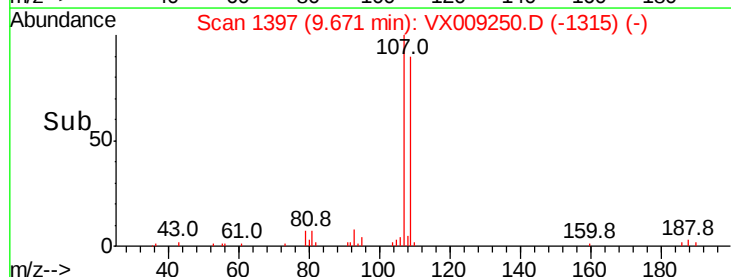
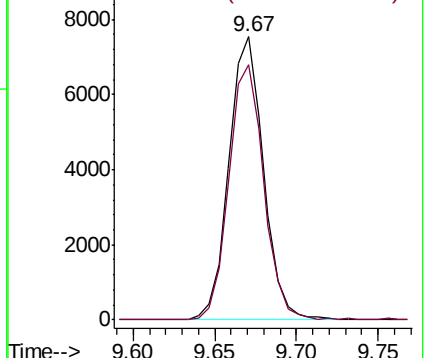
107 100

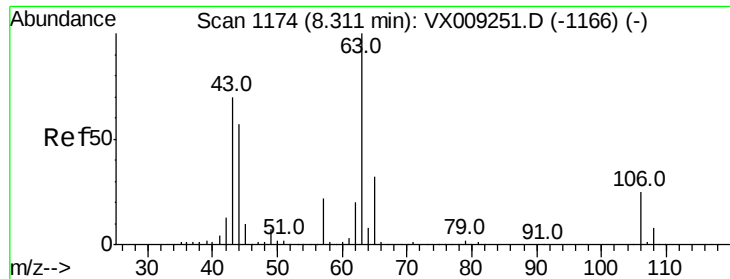
109 90.8 75.5 113.3



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: 16.749 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

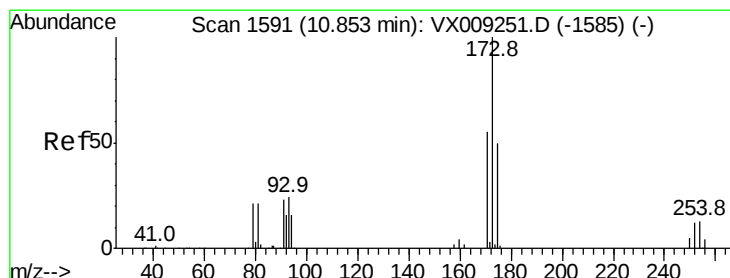
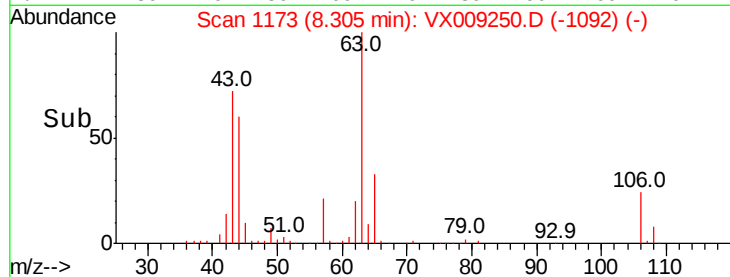
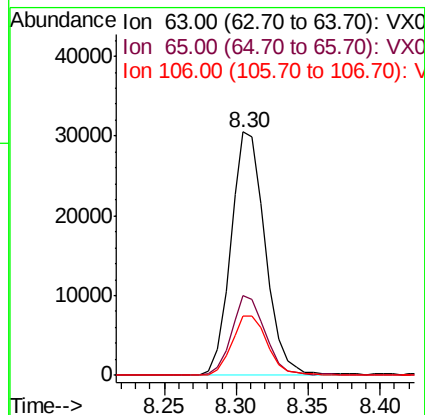
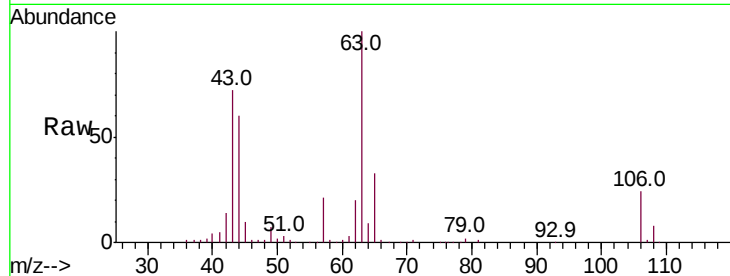
Tot Ion: 63 Resp: 50864

Ion Ratio Lower Upper

63 100

65 31.7 25.8 38.6

106 25.1 19.8 29.6



#56

Bromoform

Concen: 3.517 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

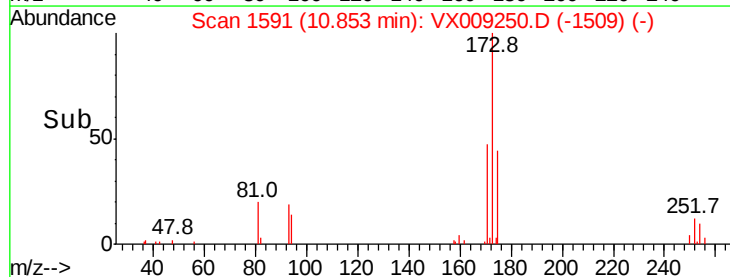
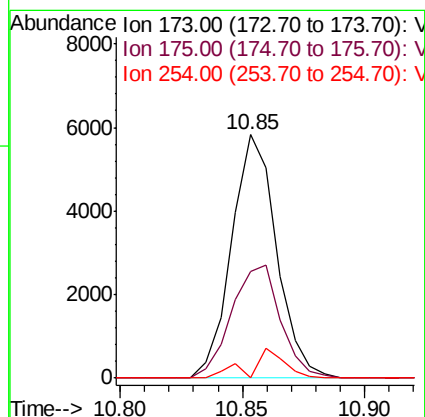
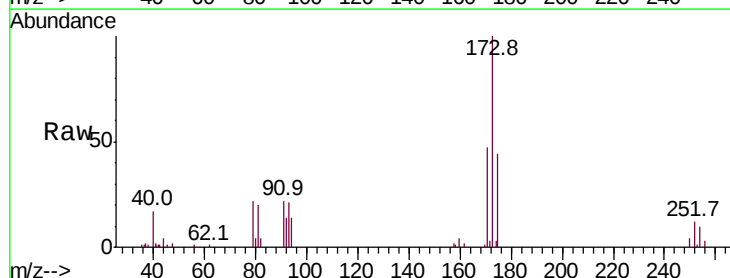
Tgt Ion:173 Resp: 7460

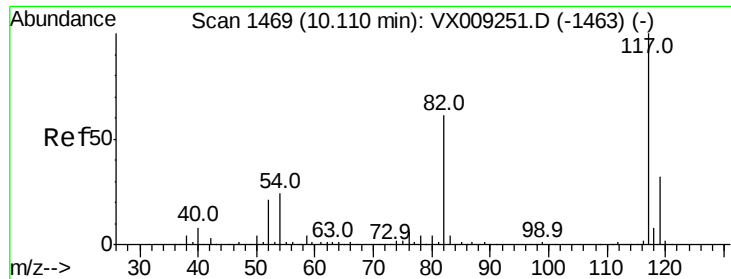
Ion Ratio Lower Upper

173 100

175 50.6 39.4 59.2

254 6.8 9.9 14.9#

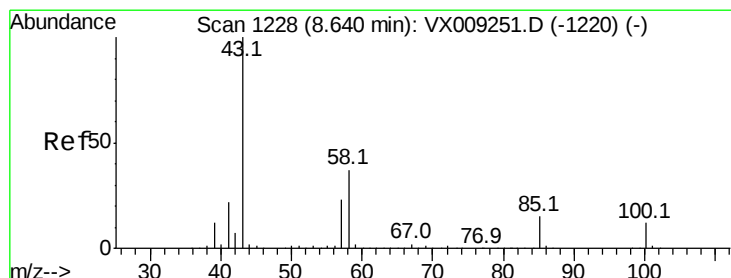
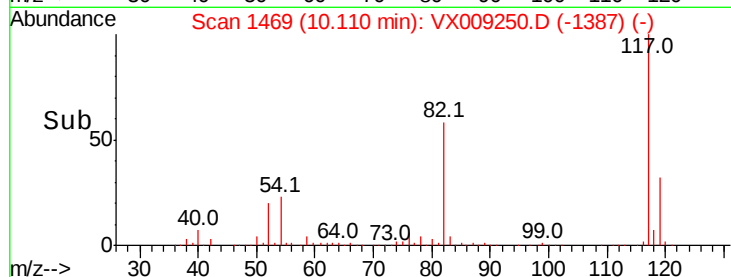
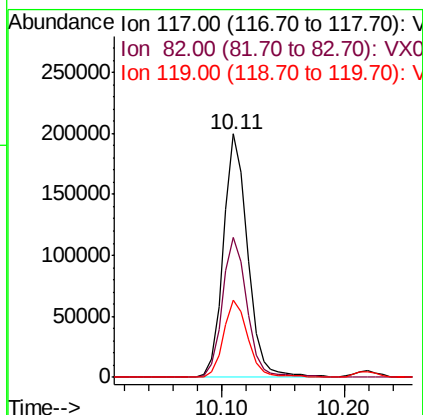
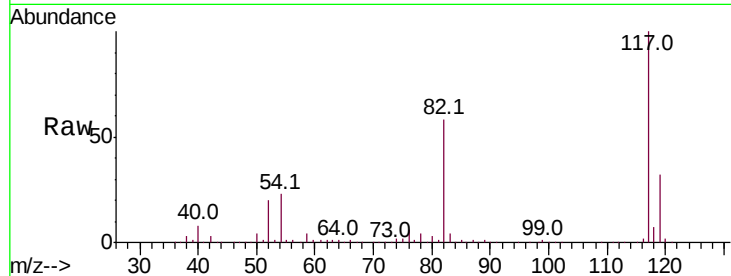




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

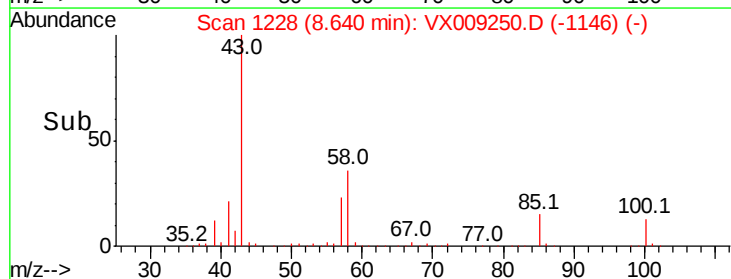
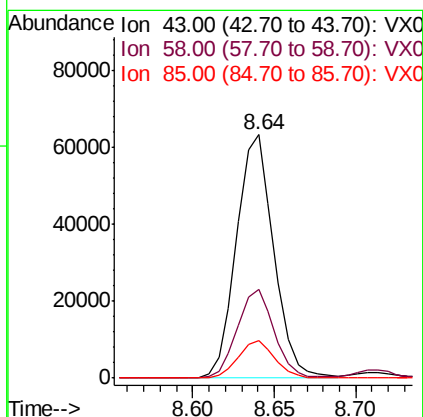
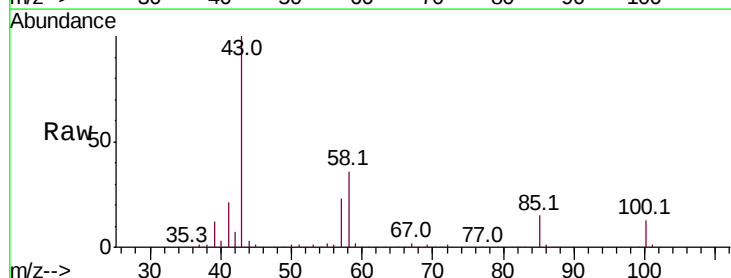
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

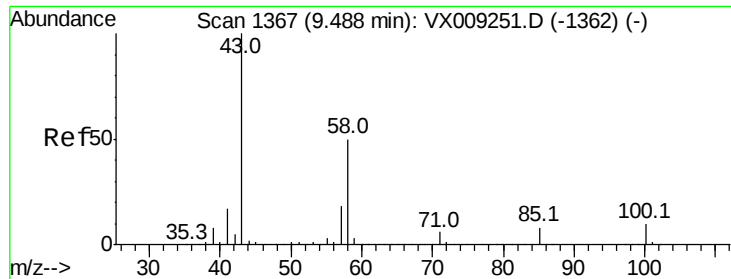
Tot Ion:117 Resp: 274782
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.8
119 31.7 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 14.988 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion: 43 Resp: 100703
Ion Ratio Lower Upper
43 100
58 36.3 29.4 44.0
85 15.2 11.8 17.8

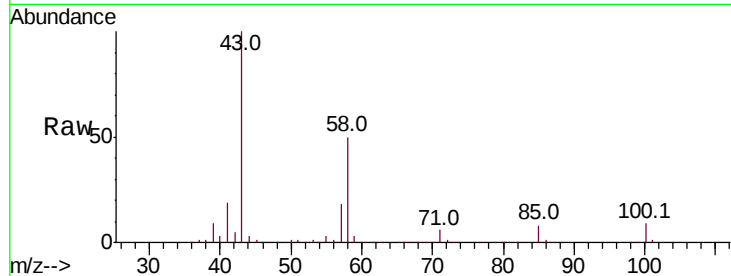




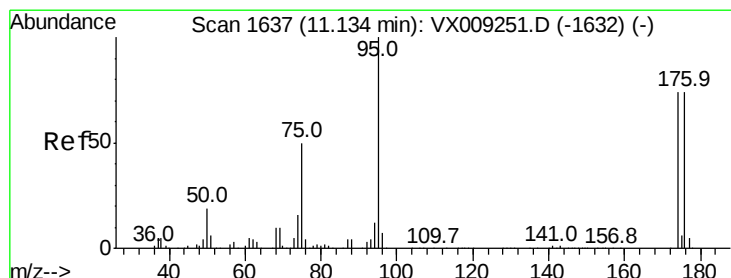
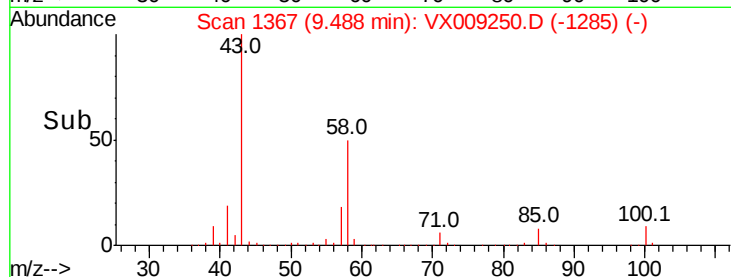
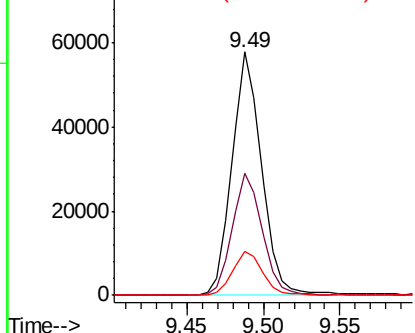
#59
2-Hexanone
Concen: 14.602 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 77379
Ion Ratio Lower Upper
43 100
58 50.9 40.8 61.2
57 18.4 14.1 21.1

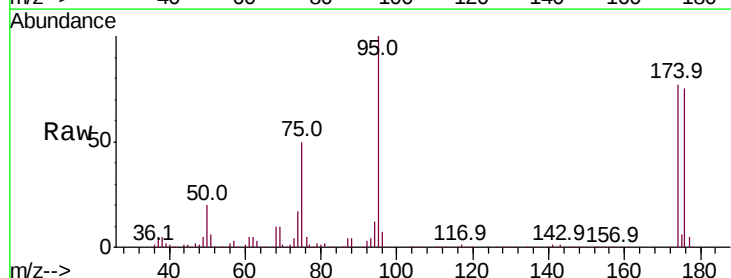


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

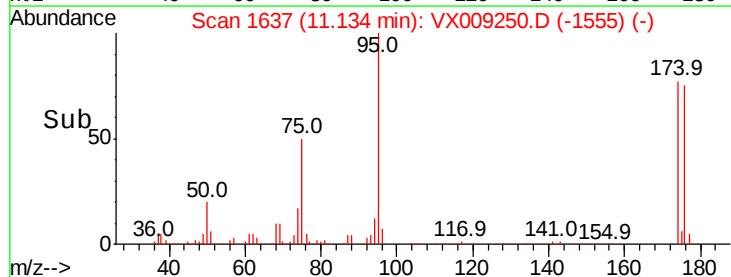
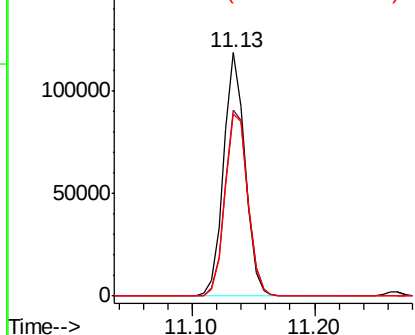


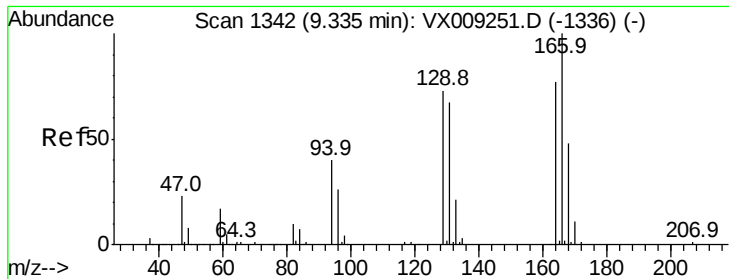
#60
4-Bromofluorobenzene
Concen: 30.588 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion: 95 Resp: 144242
Ion Ratio Lower Upper
95 100
174 80.7 63.6 95.4
176 79.1 62.4 93.6



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 3.255 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 9850

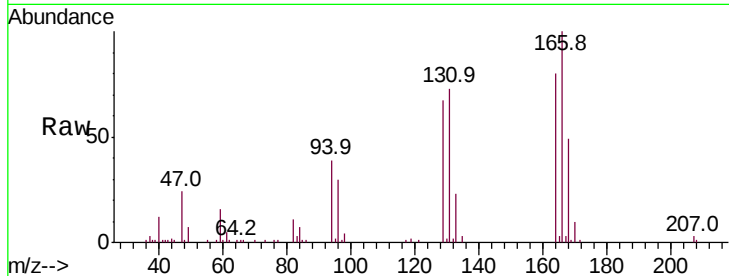
Ion Ratio Lower Upper

164 100

166 125.3 104.1 156.1

129 83.4 76.0 114.0

131 91.0 70.1 105.1

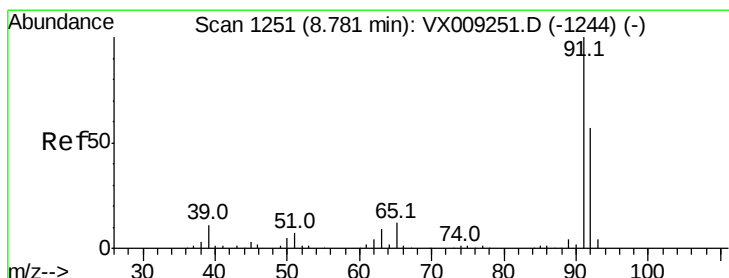
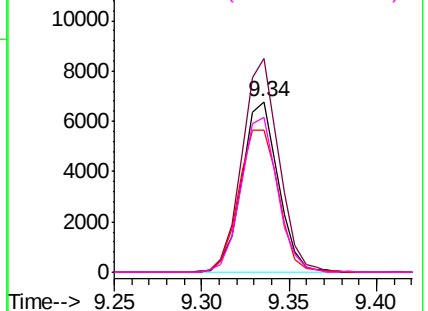
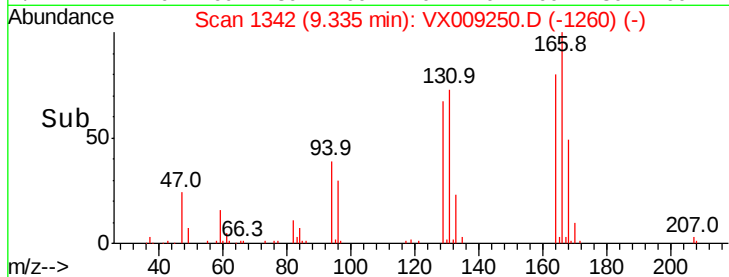


Abundance Ion 163.85 (163.55 to 164.55): V

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: 3.155 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX009250.D

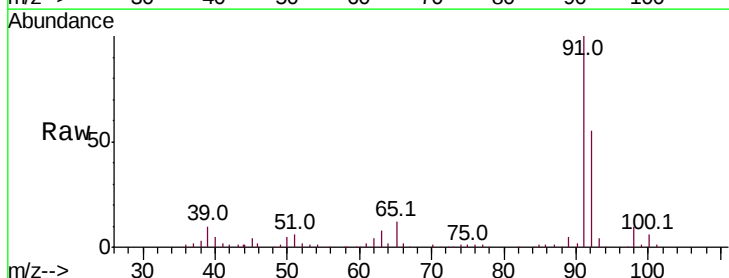
Acq: 01 May 2019 11:07

Tgt Ion: 91 Resp: 46565

Ion Ratio Lower Upper

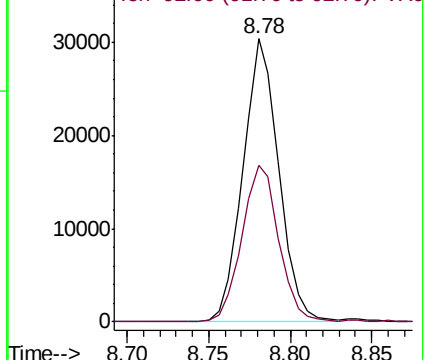
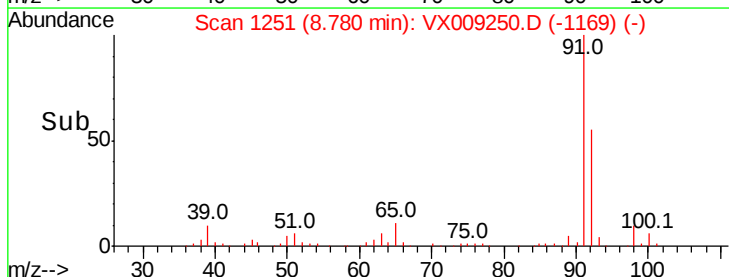
91 100

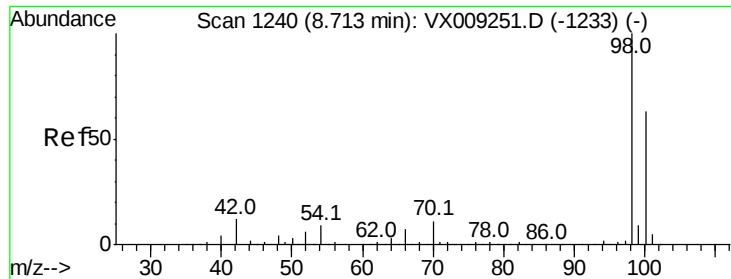
92 56.8 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 27.921 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

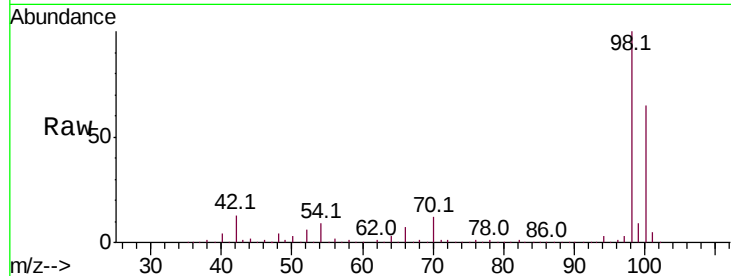
VSTDIC005

Tot Ion: 98 Resp: 370819

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX009250.D (-1158) (-)

Ion 100.00 (99.70 to 100.70): VX009250.D (-1158) (-)

8.71

250000

200000

150000

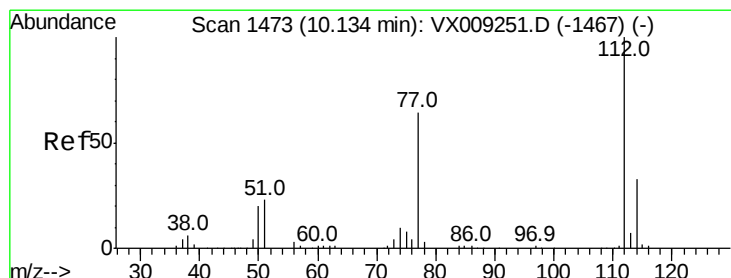
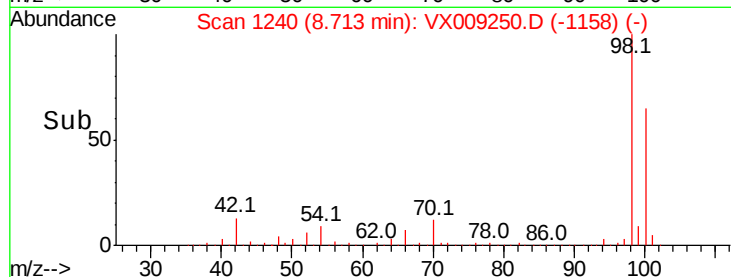
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 3.218 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009250.D

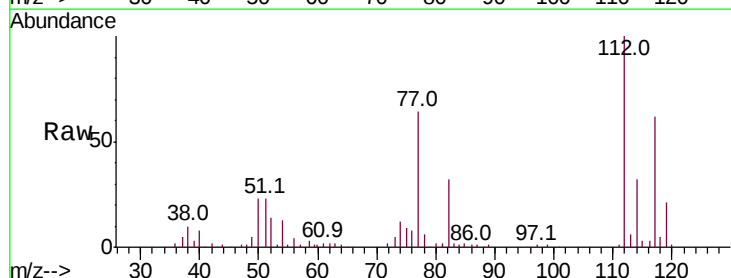
Acq: 01 May 2019 11:07

Tgt Ion: 112 Resp: 28019

Ion Ratio Lower Upper

112 100

114 32.3 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VX009250.D (-1391) (-)

Ion 114.00 (113.70 to 114.70): VX009250.D (-1391) (-)

10.13

20000

15000

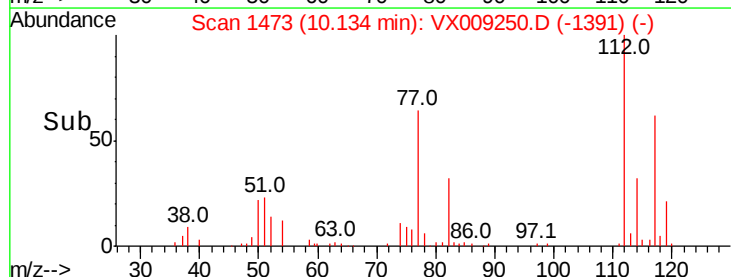
10000

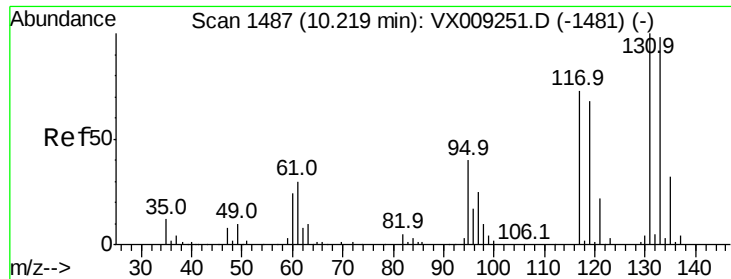
5000

0

10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 3.140 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

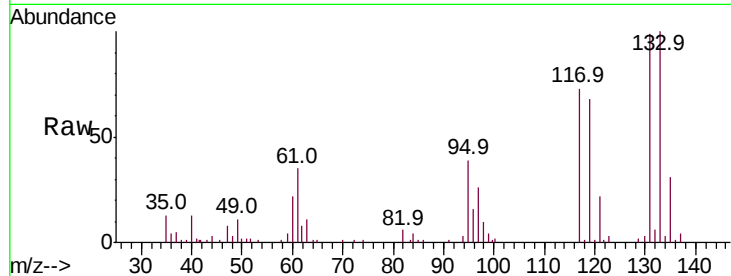
Tot Ion:131 Resp: 9896

Ion Ratio Lower Upper

131 100

133 94.9 0.0 191.2

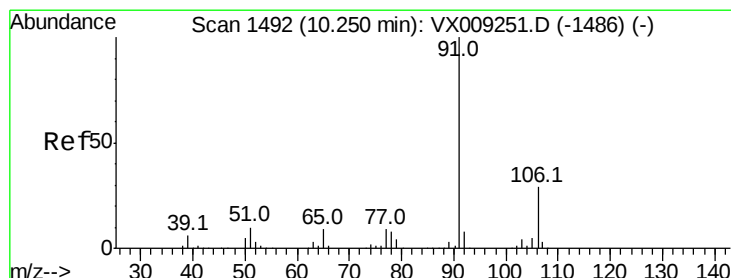
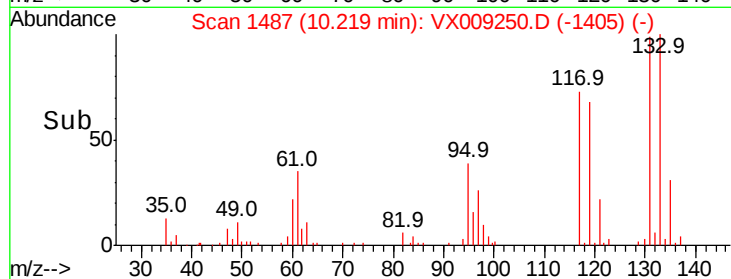
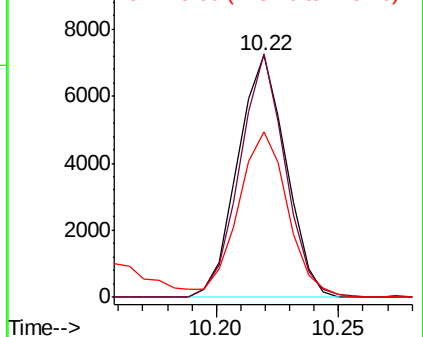
119 70.5 0.0 135.4



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: 3.153 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009250.D

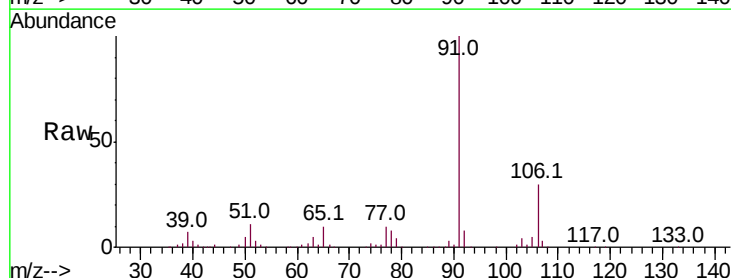
Acq: 01 May 2019 11:07

Tgt Ion: 91 Resp: 51349

Ion Ratio Lower Upper

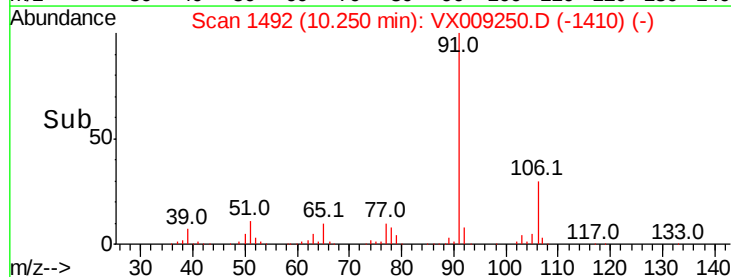
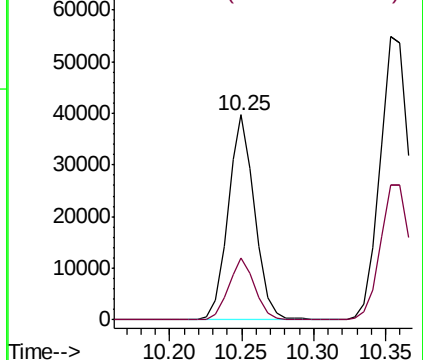
91 100

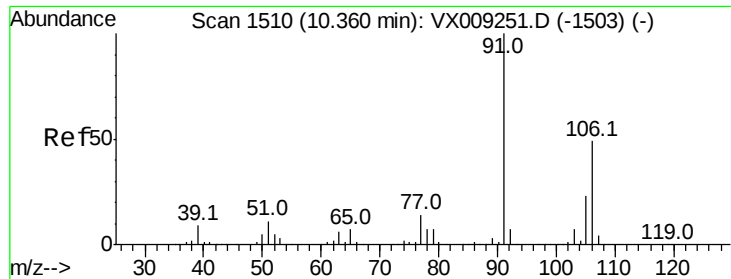
106 30.1 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 6.280 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

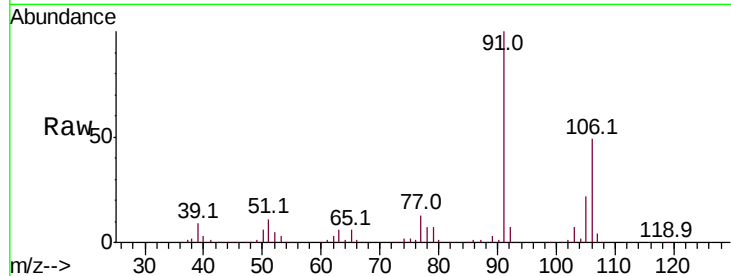
VSTDIC005

Tot Ion:106 Resp: 37237

Ion Ratio Lower Upper

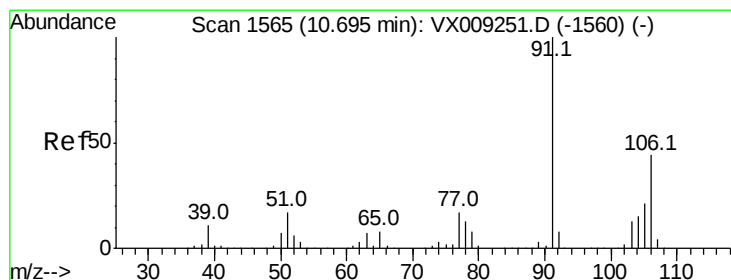
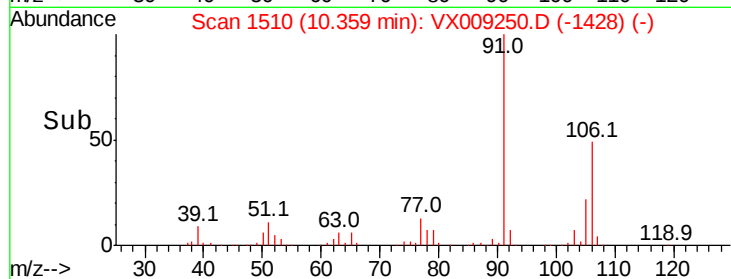
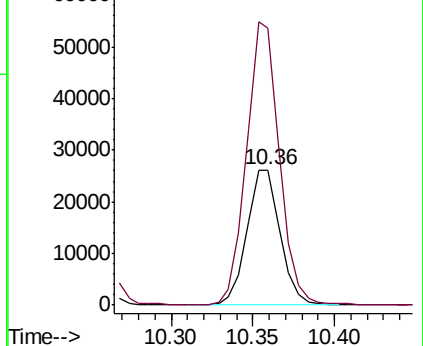
106 100

91 206.4 166.8 250.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 3.246 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX009250.D

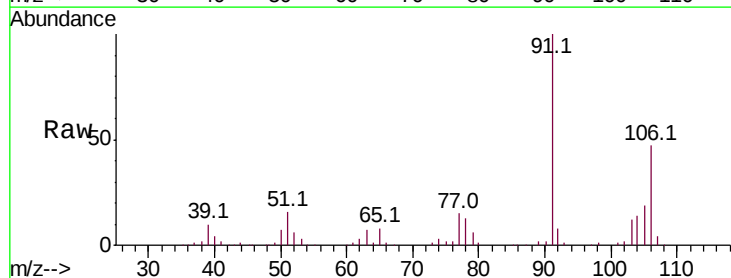
Acq: 01 May 2019 11:07

Tgt Ion:106 Resp: 18711

Ion Ratio Lower Upper

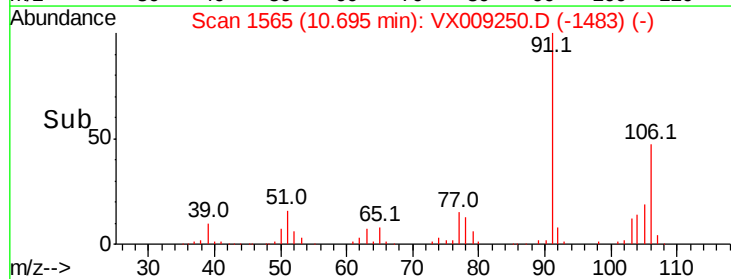
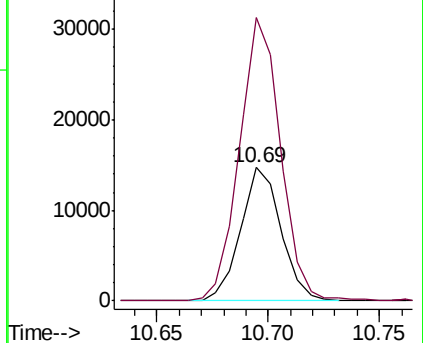
106 100

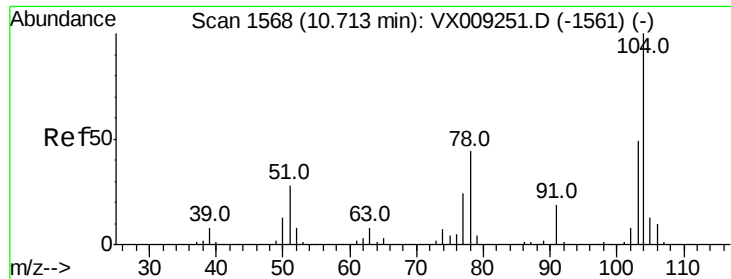
91 215.8 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

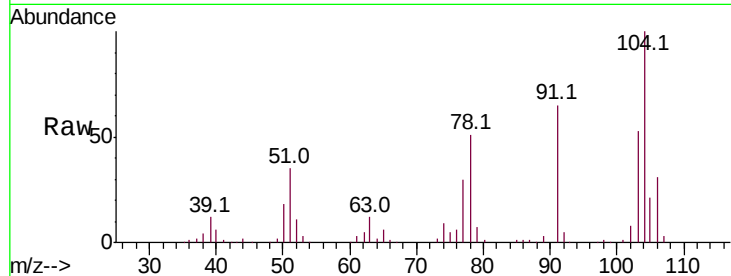




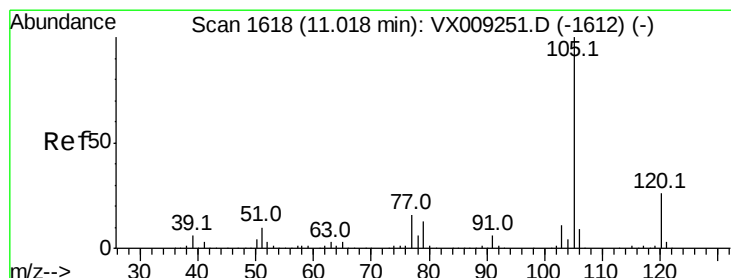
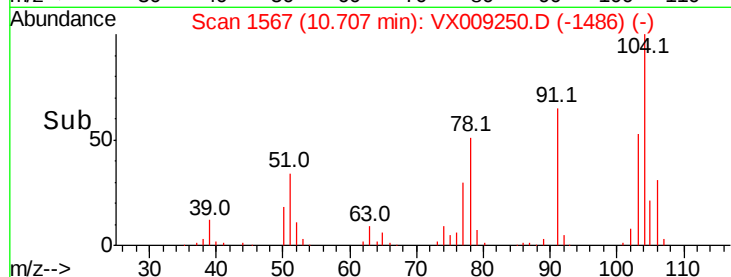
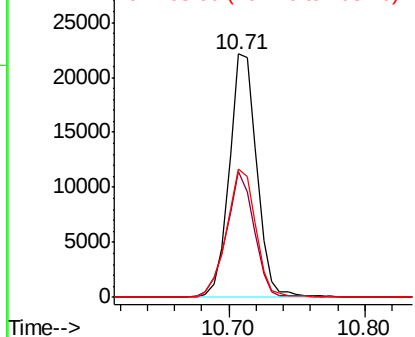
#69
Stvrene
Concen: 3.069 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:104 Resp: 31083
Ion Ratio Lower Upper
104 100
78 52.2 41.1 61.7
103 55.6 43.8 65.8

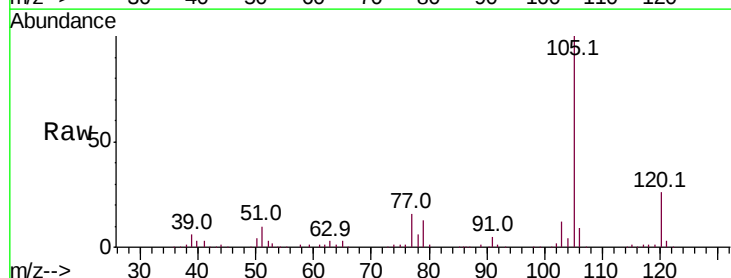


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

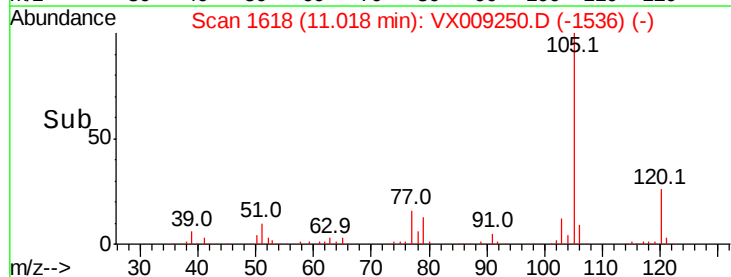
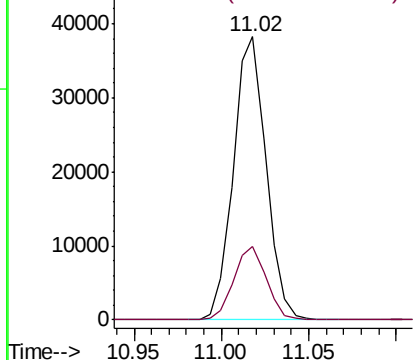


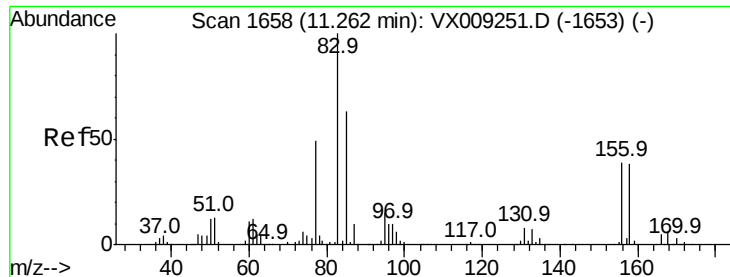
#70
Isopropylbenzene
Concen: 3.171 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009250.D
Acq: 01 May 2019 11:07

Tgt Ion:105 Resp: 49814
Ion Ratio Lower Upper
105 100
120 26.0 18.1 33.7



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

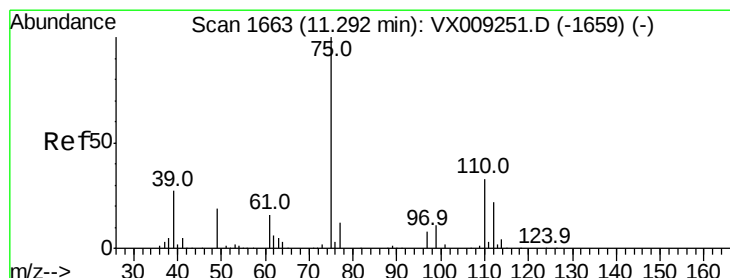
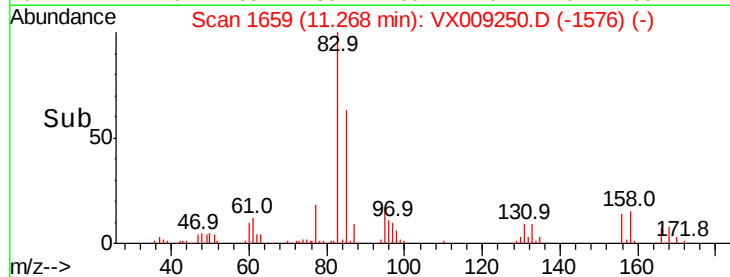
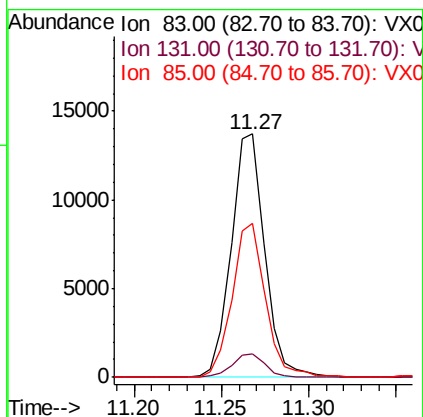
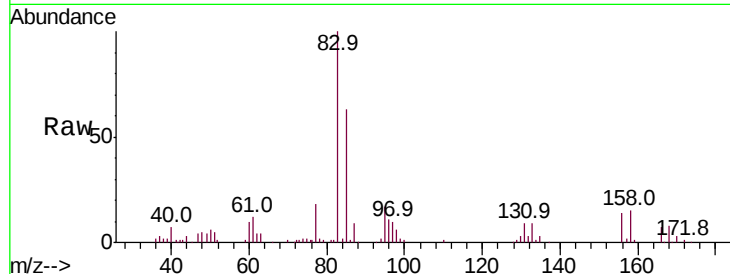




#71
 1,1,2,2-Tetrachloroethane
 Concen: 3.250 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

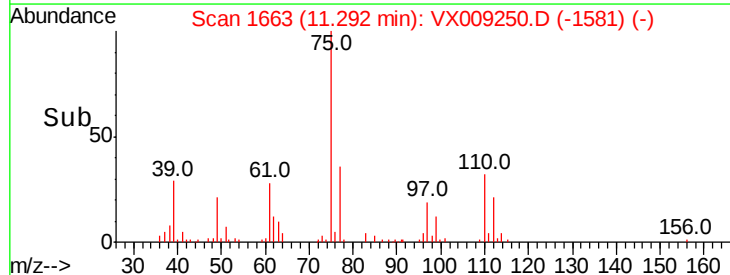
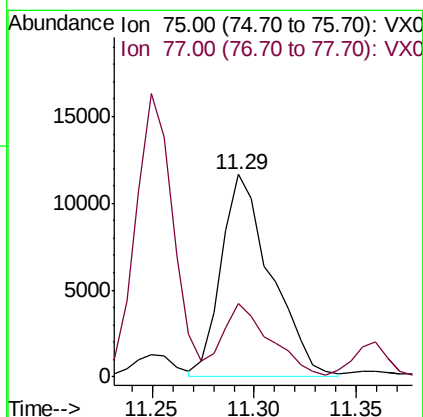
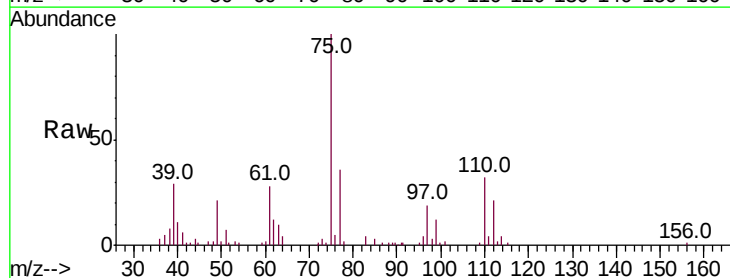
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

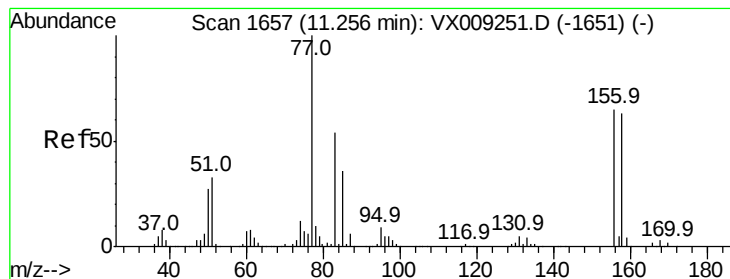
Tot Ion: 83 Resp: 18358
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.0
 85 62.7 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 3.963 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion: 75 Resp: 19742
 Ion Ratio Lower Upper
 75 100
 77 34.8 0.0 86.4





#73

Bromobenzene

Concen: 3.139 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

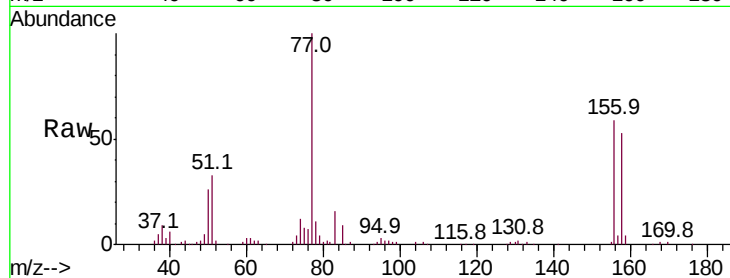
Tot Ion:156 Resp: 12132

Ion Ratio Lower Upper

156 100

77 170.6 0.0 335.6

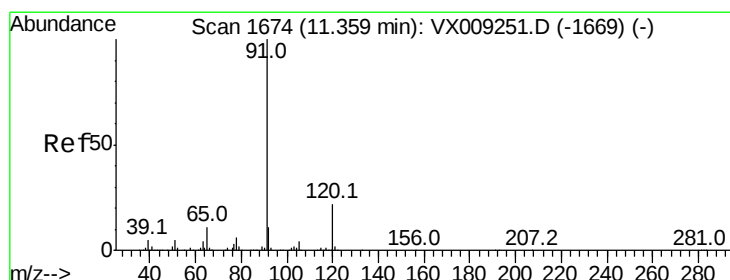
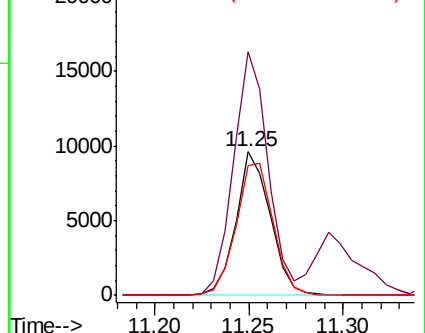
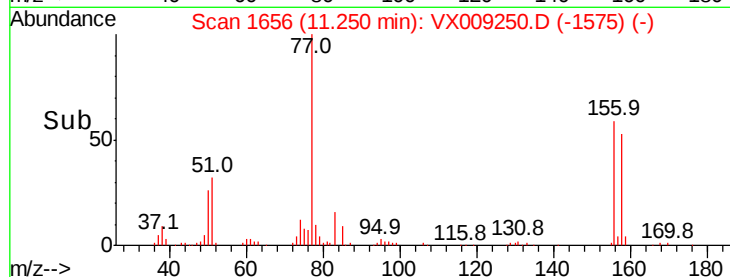
158 99.5 0.0 191.2



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: 3.202 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009250.D

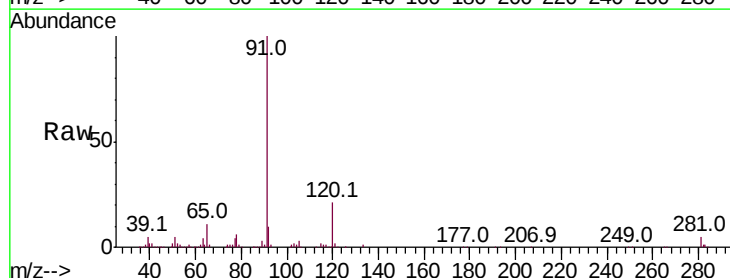
Acq: 01 May 2019 11:07

Tgt Ion: 91 Resp: 57763

Ion Ratio Lower Upper

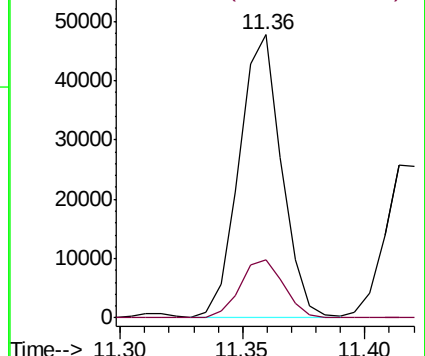
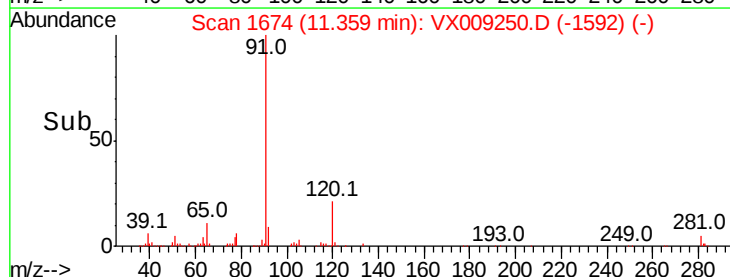
91 100

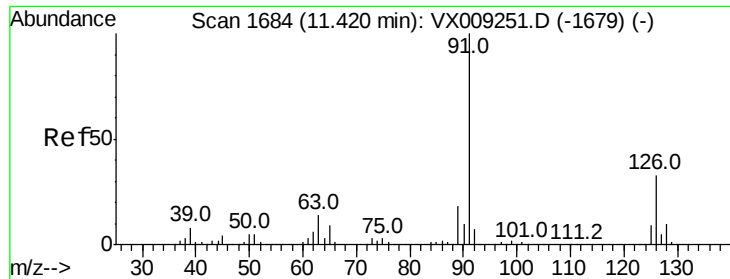
120 21.4 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 3.190 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampled :

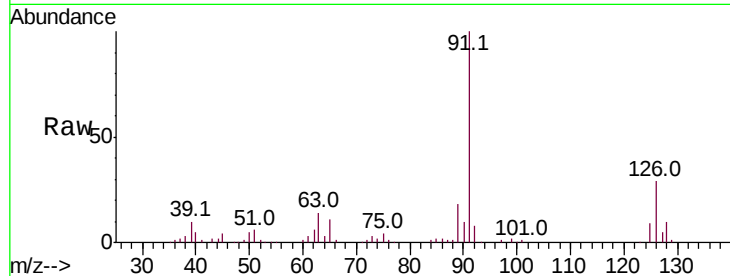
VSTDIC005

Tot Ion: 91 Resp: 34651

Ion Ratio Lower Upper

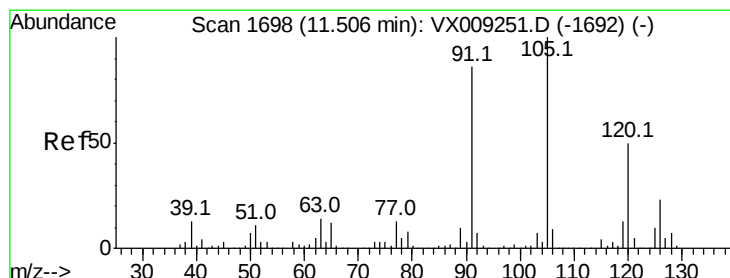
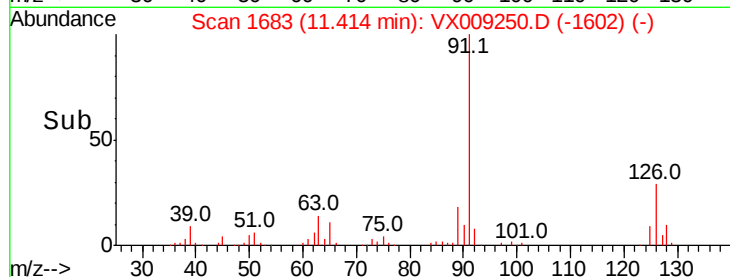
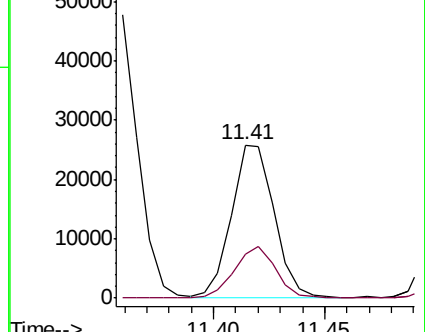
91 100

126 32.5 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX009250.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009250.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 3.124 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009250.D

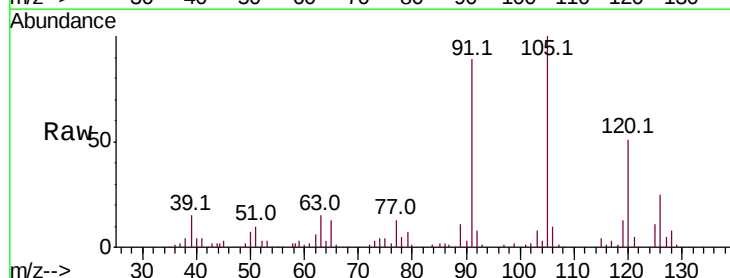
Acq: 01 May 2019 11:07

Tgt Ion: 105 Resp: 41220

Ion Ratio Lower Upper

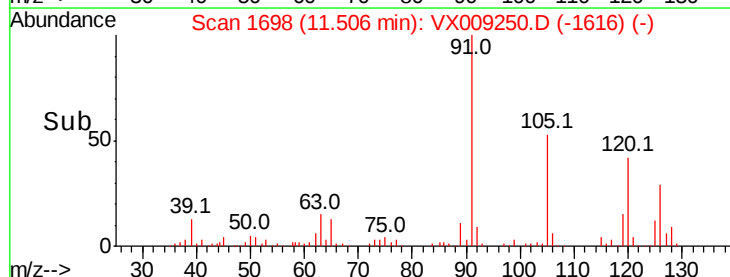
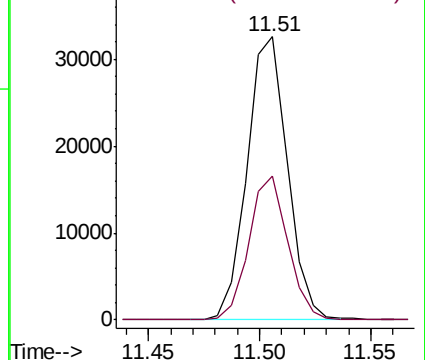
105 100

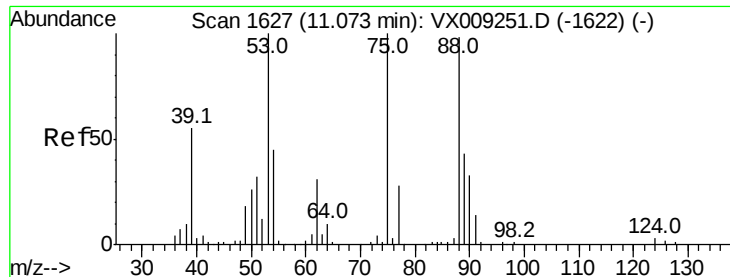
120 48.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009250.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009250.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 2.763 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

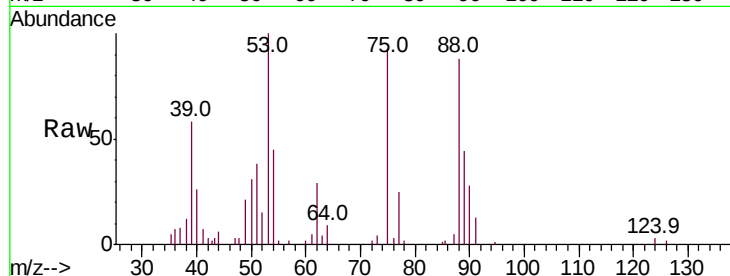
Tot Ion: 75 Resp: 5079

Ion Ratio Lower Upper

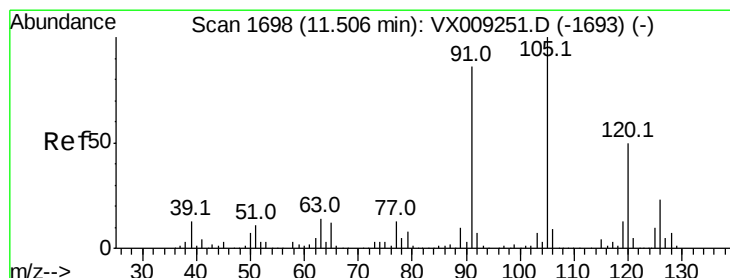
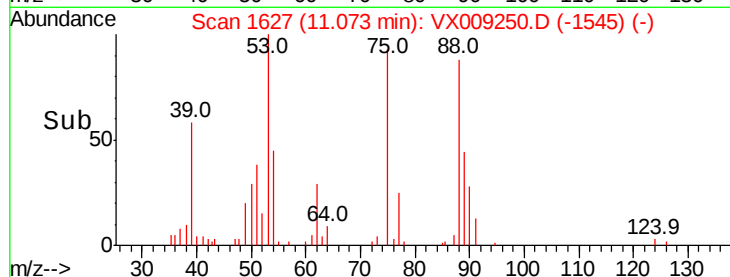
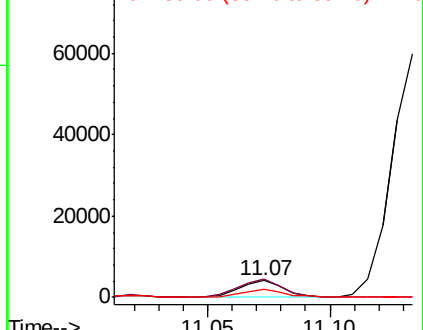
75 100

53 108.2 50.0 149.8

89 48.0 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: 3.189 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009250.D

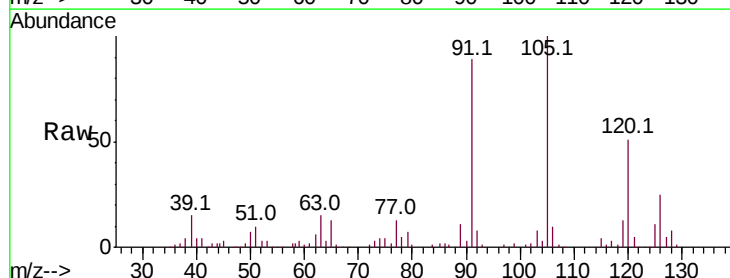
Acq: 01 May 2019 11:07

Tgt Ion: 91 Resp: 38771

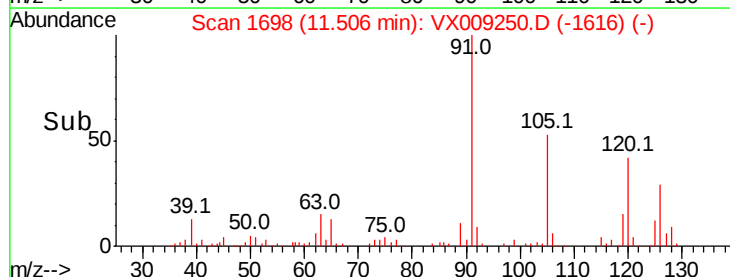
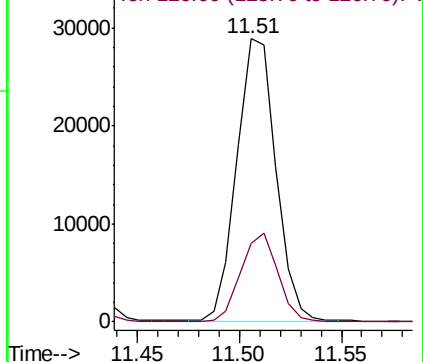
Ion Ratio Lower Upper

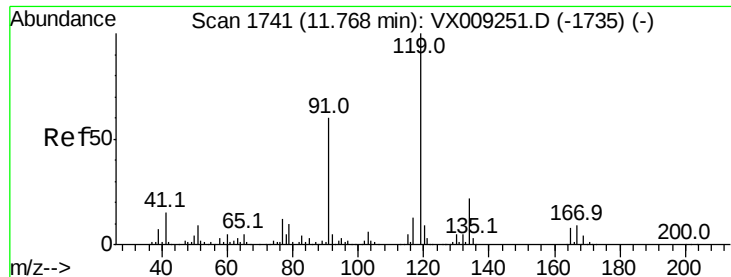
91 100

126 29.4 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: 3.226 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

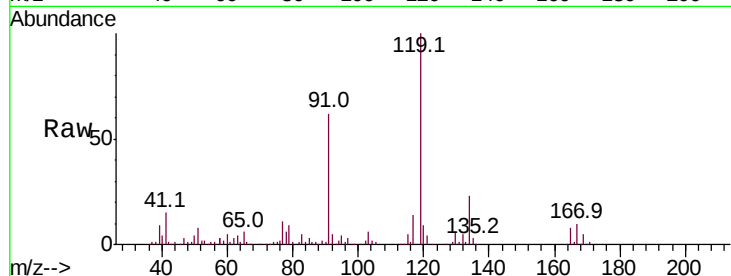
Tot Ion:119 Resp: 41108

Ion Ratio Lower Upper

119 100

91 59.5 0.0 118.2

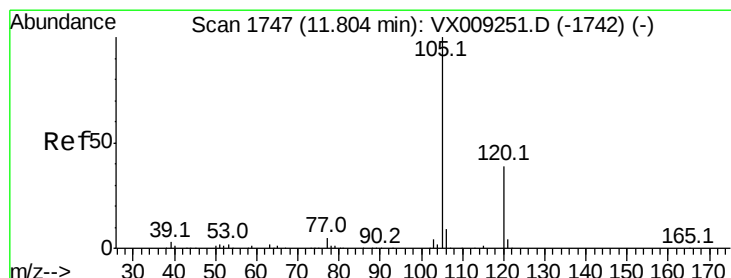
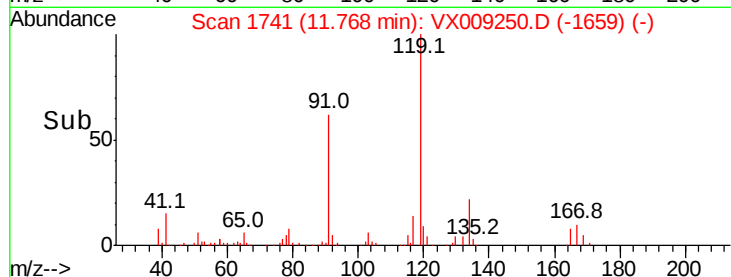
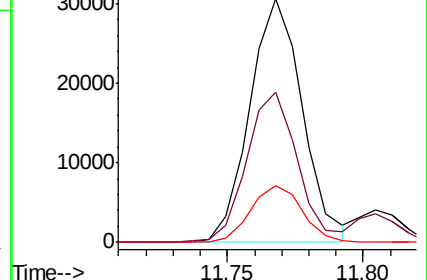
134 22.9 0.0 45.0



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: 3.157 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009250.D

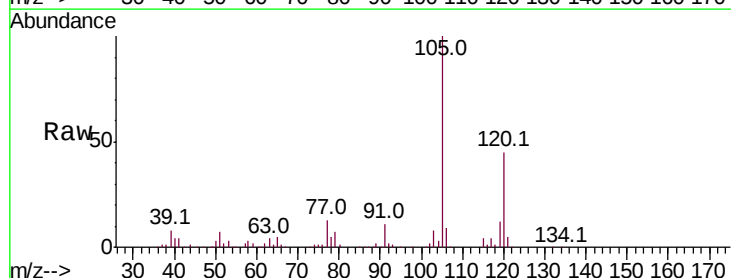
Acq: 01 May 2019 11:07

Tgt Ion:105 Resp: 41595

Ion Ratio Lower Upper

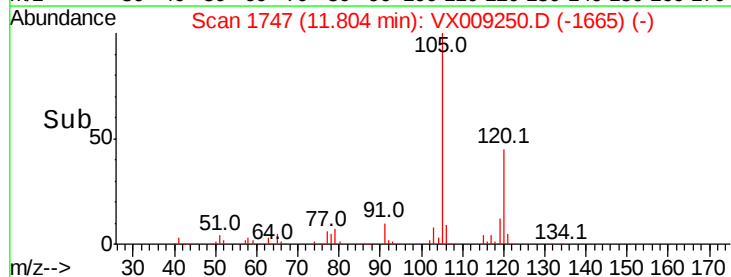
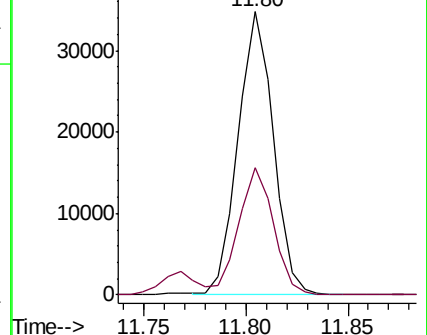
105 100

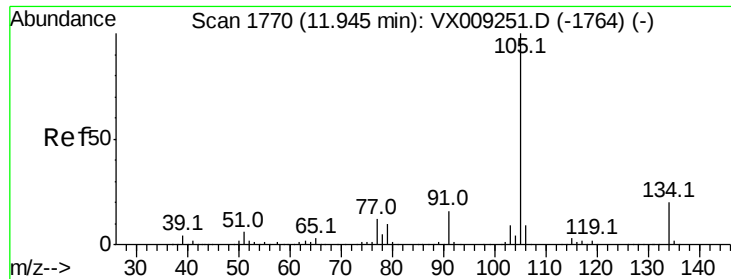
120 44.6 0.0 89.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

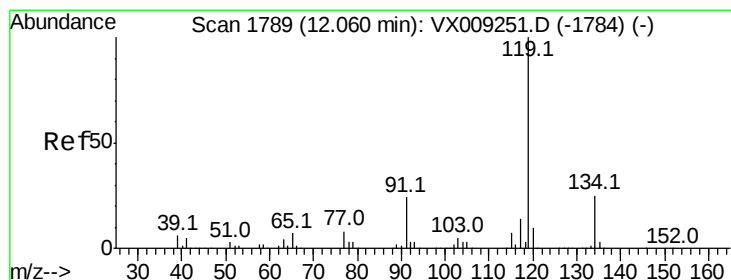
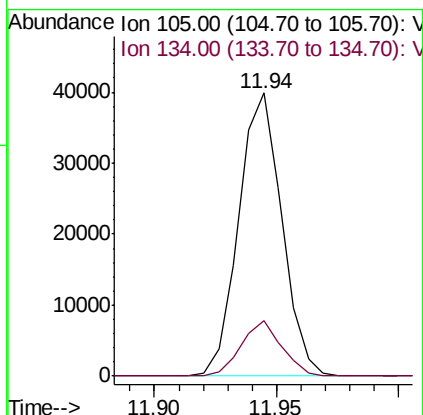
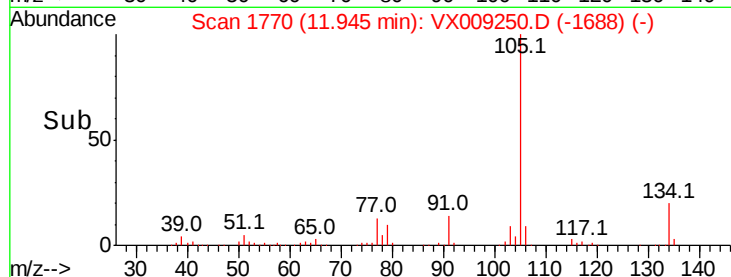
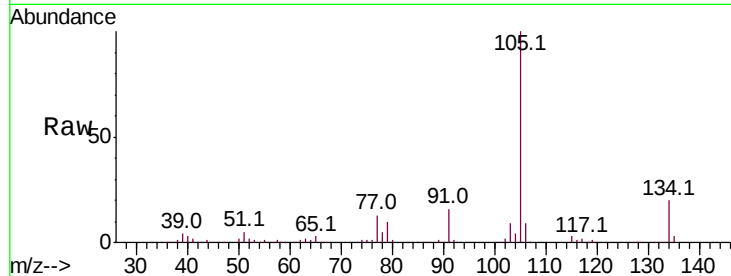




#81
 sec-Butylbenzene
 Concen: 3.238 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

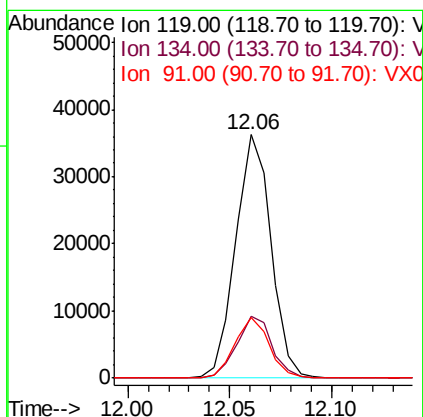
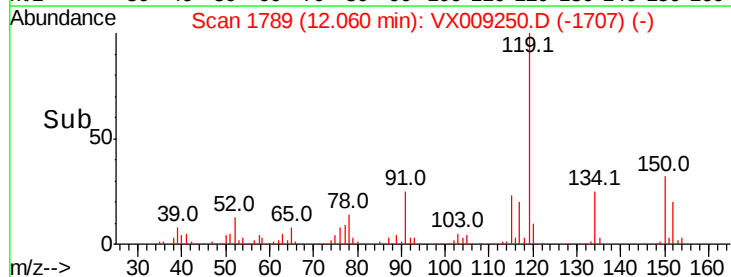
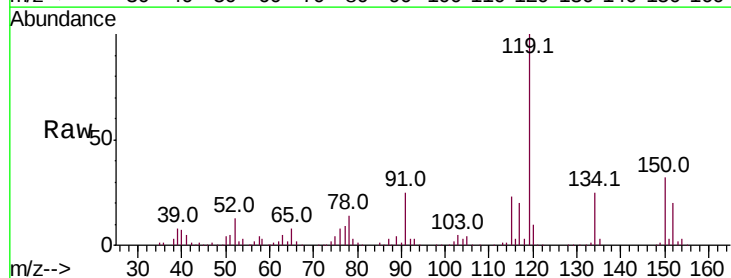
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

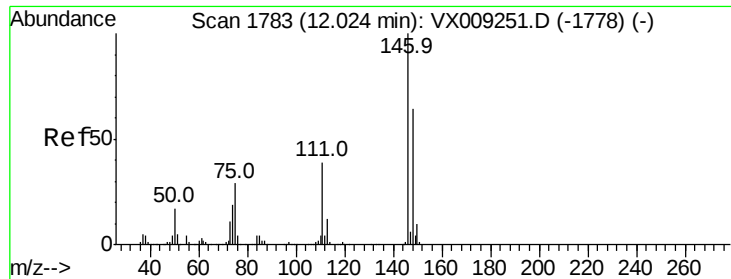
Tot Ion:105 Resp: 48888
 Ion Ratio Lower Upper
 105 100
 134 18.5 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 3.187 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion:119 Resp: 43660
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 50.8
 91 24.3 0.0 47.2





#83

1,3-Dichlorobenzene

Concen: 3.197 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

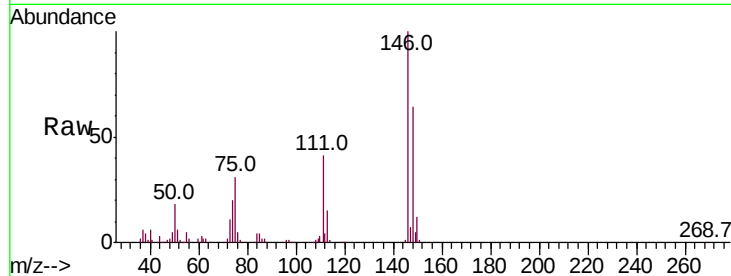
Tot Ion:146 Resp: 21422

Ion Ratio Lower Upper

146 100

111 40.4 20.0 60.0

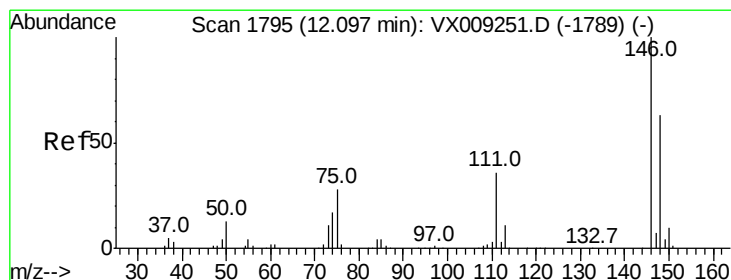
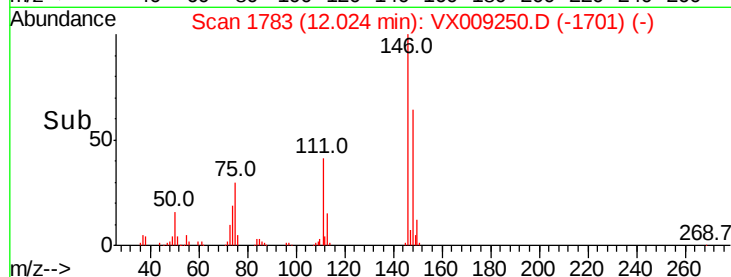
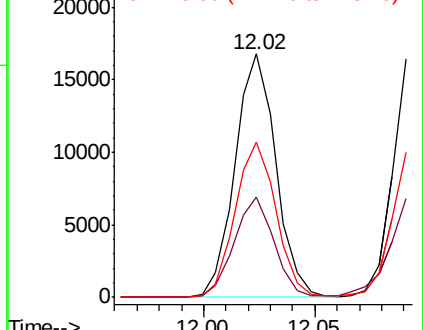
148 63.8 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 3.296 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

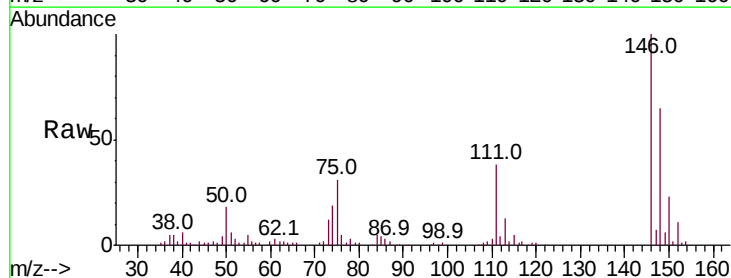
Tgt Ion:146 Resp: 21758

Ion Ratio Lower Upper

146 100

111 42.6 19.6 58.7

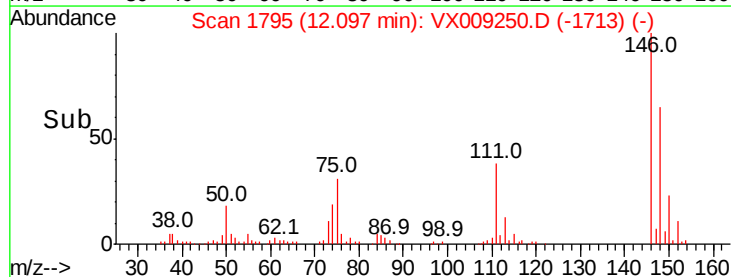
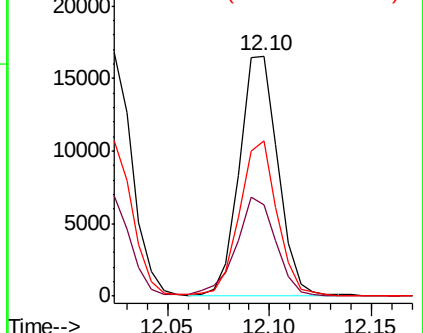
148 63.5 32.3 96.8

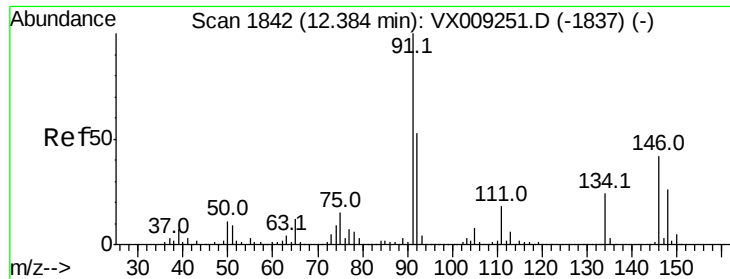


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 3.116 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

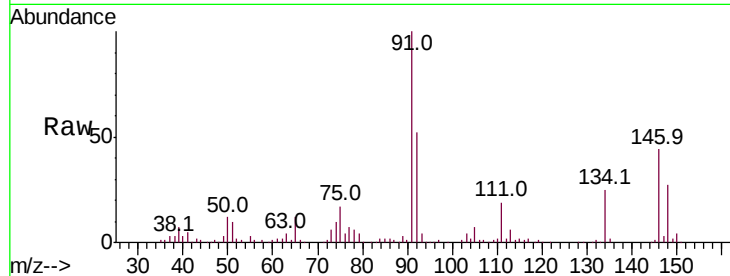
Tot Ion: 91 Resp: 37878

Ion Ratio Lower Upper

91 100

92 52.3 0.0 106.6

134 25.1 0.0 50.0

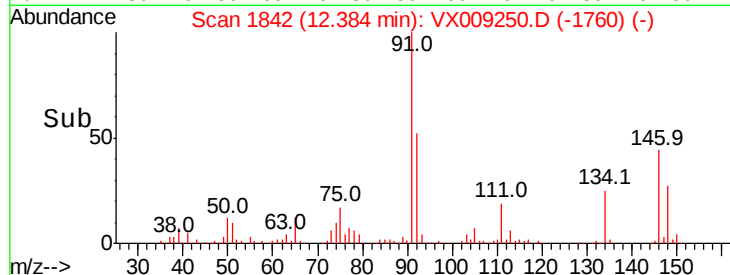


Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX009251.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX009251.D (-1837) (-)

Time-->

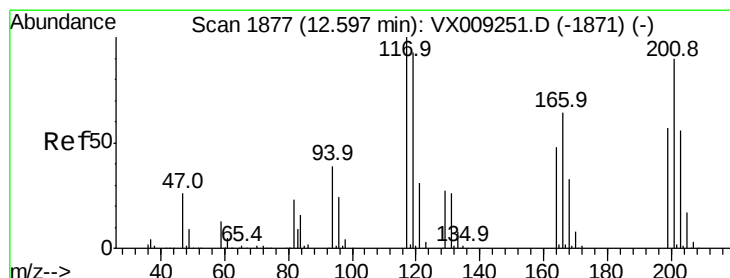


Abundance Ion 91.00 (90.70 to 91.70): VX009250.D (-1760) (-)

Ion 92.00 (91.70 to 92.70): VX009250.D (-1760) (-)

Ion 134.00 (133.70 to 134.70): VX009250.D (-1760) (-)

Time-->



#86

Hexachloroethane

Concen: 2.979 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX009250.D

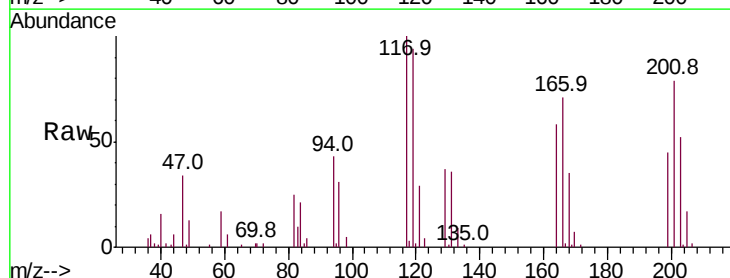
Acq: 01 May 2019 11:07

Tgt Ion: 117 Resp: 6928

Ion Ratio Lower Upper

117 100

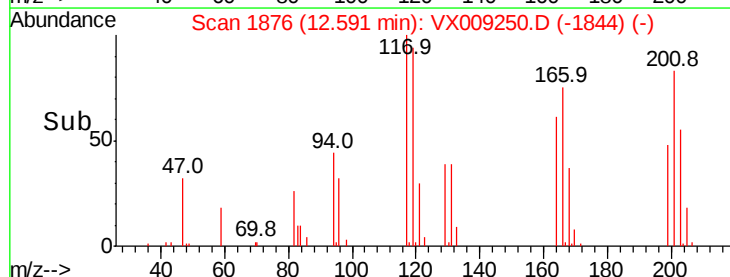
201 85.7 41.8 125.4



Abundance Ion 117.00 (116.70 to 117.70): VX009251.D (-1871) (-)

Ion 201.00 (200.70 to 201.70): VX009251.D (-1871) (-)

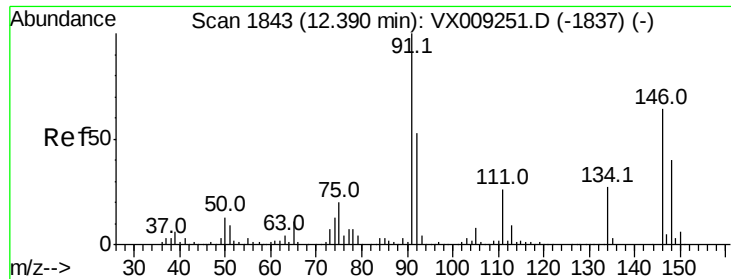
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VX009250.D (-1844) (-)

Ion 201.00 (200.70 to 201.70): VX009250.D (-1844) (-)

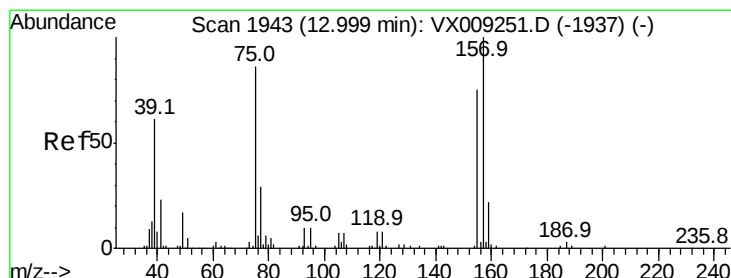
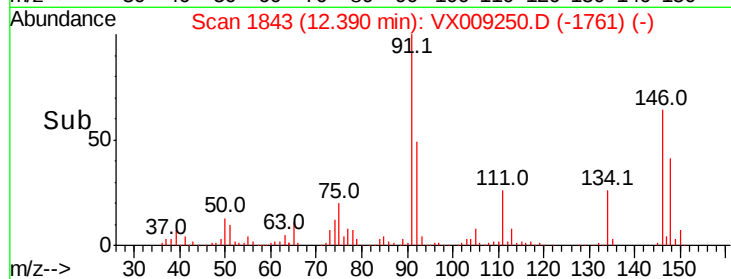
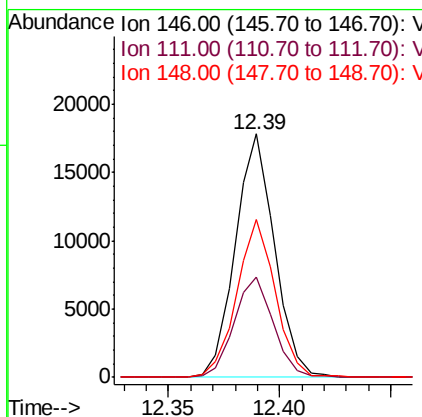
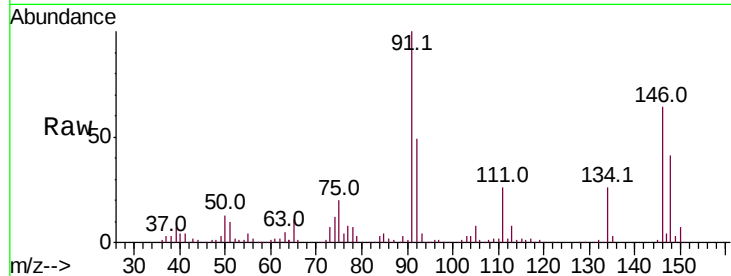
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 3.184 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

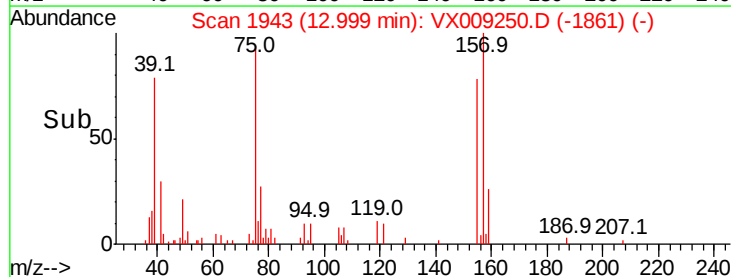
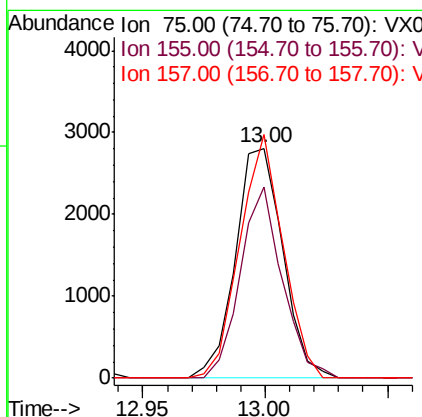
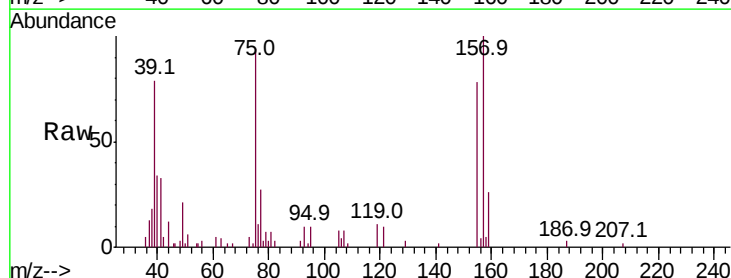
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

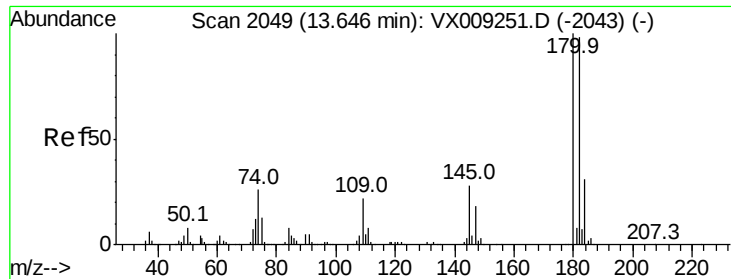
Tot Ion:146 Resp: 21808
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.8 62.2
 148 63.7 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.903 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion: 75 Resp: 3785
 Ion Ratio Lower Upper
 75 100
 155 73.9 65.9 98.9
 157 96.2 85.2 127.8

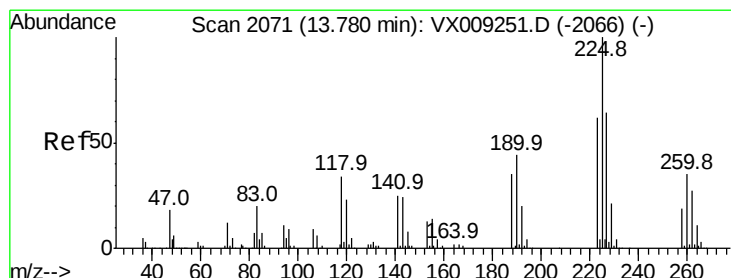
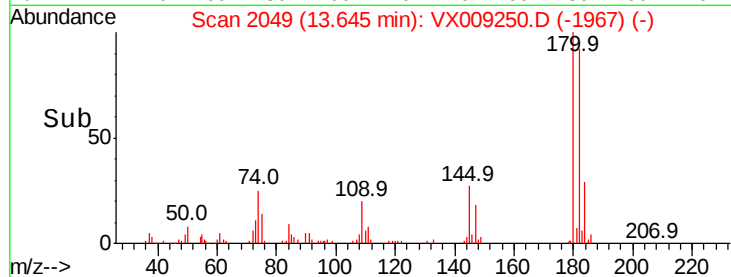
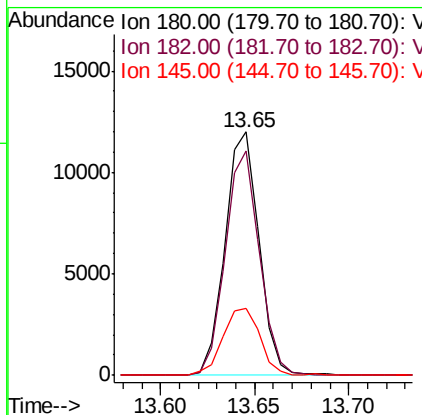
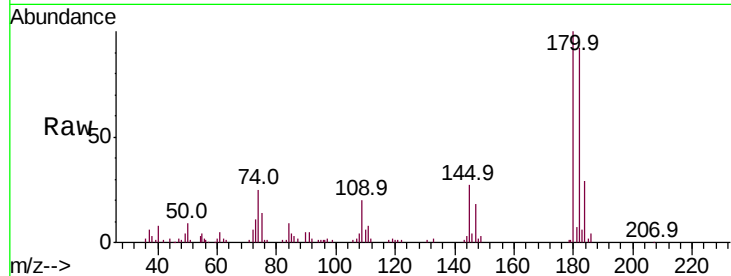




#89
 1,2,4-Trichlorobenzene
 Concen: 3.200 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

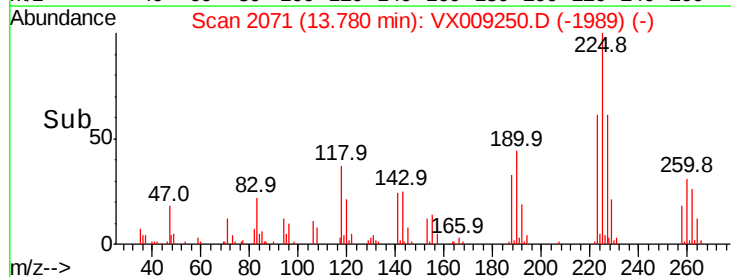
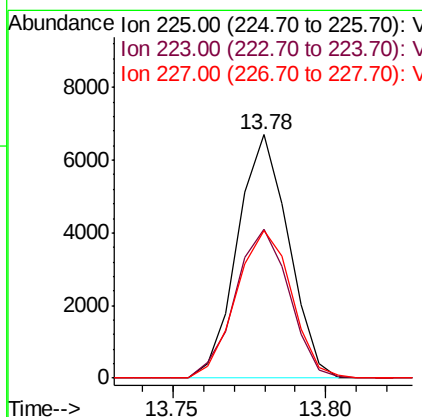
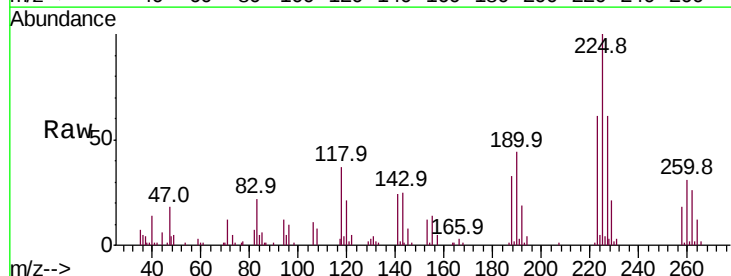
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

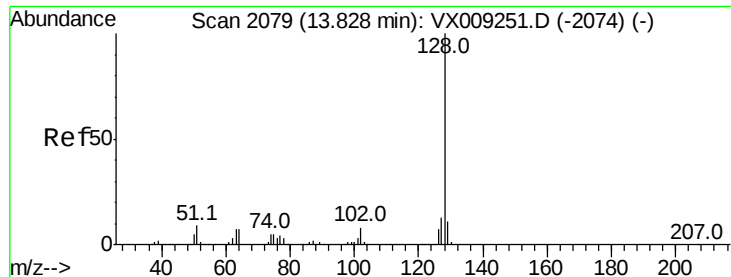
Tot Ion:180 Resp: 15006
 Ion Ratio Lower Upper
 180 100
 182 92.3 76.9 115.3
 145 29.9 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 3.266 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009250.D
 Acq: 01 May 2019 11:07

Tgt Ion:225 Resp: 7765
 Ion Ratio Lower Upper
 225 100
 223 64.8 0.0 126.6
 227 65.8 0.0 130.0





#91

Naphthalene

Concen: 2.982 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

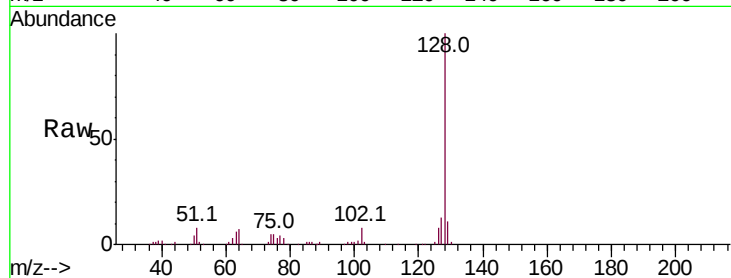
Tot Ion:128 Resp: 47894

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

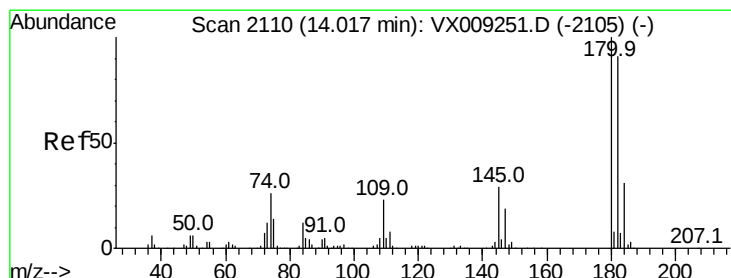
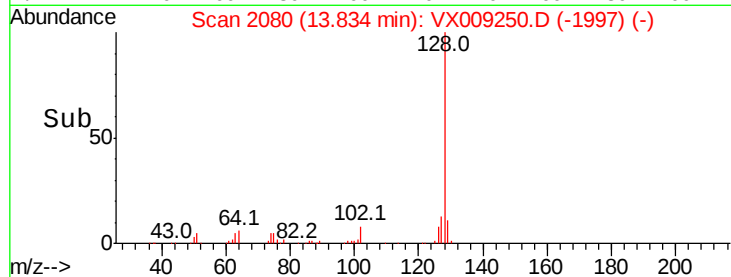
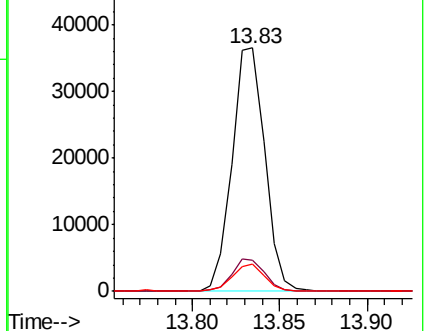
129 11.0 8.7 13.1



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: 3.195 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009250.D

Acq: 01 May 2019 11:07

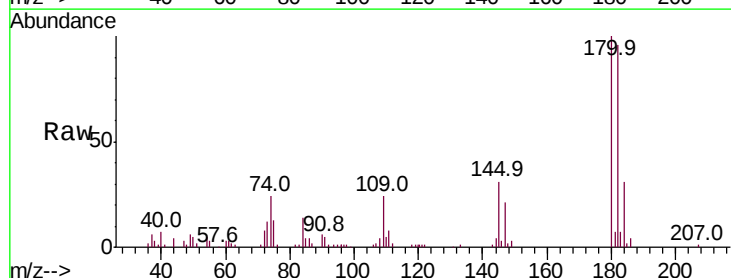
Tgt Ion:180 Resp: 15763

Ion Ratio Lower Upper

180 100

182 94.4 0.0 189.0

145 30.1 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

