

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031819\
 Data File : VX008159.D
 Acq On : 18 Mar 2019 10:52
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Quant Time: Mar 18 11:53:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 11:50:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	51365	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	288814	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	257028	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	131808	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	11.13	95	129663	30.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.00%
63) Toluene-d8	8.71	98	378318	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	44853	20.000 ug/l	96
3) Chloromethane	1.33	50	55475	20.000 ug/l	96
4) Vinyl Chloride	1.41	62	57471	20.000 ug/l	98
5) Bromomethane	1.64	94	37995	20.000 ug/l	96
6) Chloroethane	1.73	64	34622	20.000 ug/l	96
7) Trichlorofluoromethane	1.93	101	69971	20.000 ug/l	98
8) Diethyl Ether	2.19	74	40366	20.000 ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.39	101	49894	20.000 ug/l	92
10) 1,1-Dichloroethene	2.38	96	47265	20.000 ug/l	85
11) Methyl Iodide	2.51	142	55826	20.000 ug/l	98
12) Methyl Acetate	2.78	43	78663	20.000 ug/l	92
13) Acrolein	2.29	56	55587	100.000 ug/l	100
14) Acrylonitrile	3.14	53	172545	100.000 ug/l	99
15) Acetone	2.45	58	60864	100.000 ug/l	91
16) Carbon Disulfide	2.57	76	148908	20.000 ug/l	99
17) Allyl chloride	2.73	41	100093	20.000 ug/l	97
18) Methylene Chloride	2.86	84	55587	20.000 ug/l	88
19) trans-1,2-Dichloroethene	3.17	96	50787	20.000 ug/l	91
20) Diisopropyl ether	3.86	45	201340	20.000 ug/l #	94
21) 1,1-Dichloroethane	3.70	63	103462	20.000 ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	57966	20.000 ug/l #	82
23) tert-Butyl Alcohol	3.04	59	63690	100.000 ug/l	100
24) Methyl tert-Butyl Ether	3.20	73	170747	20.000 ug/l	98
25) Chloroform	5.21	83	98912	20.000 ug/l	94
26) Cyclohexane	5.59	56	96136	20.000 ug/l #	86
29) 1,1-Dichloropropene	5.80	75	73713	20.000 ug/l	93
30) 2-Butanone	4.67	43	278741	100.000 ug/l	94
31) 2,2-Dichloropropane	4.59	77	73633	20.000 ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	78986	20.000 ug/l #	94
33) Carbon Tetrachloride	5.79	117	64501	20.000 ug/l	98
34) Benzene	6.14	78	224492	20.000 ug/l #	96
35) Methacrylonitrile	5.04	41	50836	20.000 ug/l	94
36) 1,2-Dichloroethane	6.20	62	82583	20.000 ug/l	98
37) Trichloroethene	7.21	130	52860	20.000 ug/l	83
38) Methylcyclohexane	7.46	83	88956	20.000 ug/l	89
39) 1,2-Dichloropropane	7.51	63	61043	20.000 ug/l	98
40) Dibromomethane	7.66	93	37312	20.000 ug/l	89

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	71700	20.000	ug/l	99
42) Vinyl Acetate	3.82	43	876306	100.000	ug/l	95
44) Isopropyl Acetate	6.45	43	141791	20.000	ug/l	98
45) 1,4-Dioxane	7.74	88	26999	400.000	ug/l #	83
46) Methyl methacrylate	7.77	41	75273	20.000	ug/l	90
47) n-amyl Acetate	10.90	43	122865	20.000	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	76104	20.000	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	85543	20.000	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	53698	20.000	ug/l	97
51) Ethyl methacrylate	9.18	69	85767	20.000	ug/l	92
52) 1,3-Dichloropropane	9.37	76	97702	20.000	ug/l	98
53) Dibromochloromethane	9.58	129	51269	20.000	ug/l	98
54) 1,2-Dibromoethane	9.67	107	57511	20.000	ug/l	95
55) 2-Chloroethyl vinyl ether	8.31	63	319991	100.000	ug/l	95
56) Bromoform	10.85	173	36355	20.000	ug/l #	97
58) 4-Methyl-2-Pentanone	8.64	43	489269	100.000	ug/l	95
59) 2-Hexanone	9.49	43	398680	100.000	ug/l	96
61) Tetrachloroethene	9.34	164	50631	20.000	ug/l	97
62) Toluene	8.78	91	236150	20.000	ug/l	99
64) Chlorobenzene	10.13	112	141278	20.000	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	48514	20.000	ug/l	97
66) Ethyl Benzene	10.25	91	248515	20.000	ug/l	94
67) m/p-Xylenes	10.36	106	183736	40.000	ug/l	91
68) o-Xylene	10.69	106	88656	20.000	ug/l	92
69) Styrene	10.71	104	143948	20.000	ug/l	96
70) Isopropylbenzene	11.02	105	239172	20.000	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	87218	20.000	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	102112	26.746	ug/l	90
73) Bromobenzene	11.26	156	56431	20.000	ug/l	80
74) n-propylbenzene	11.36	91	278913	20.000	ug/l	94
75) 2-Chlorotoluene	11.42	91	167610	20.000	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	197523	20.000	ug/l	95
77) t-1,4-Dichloro-2-butene	11.07	75	24944	20.000	ug/l	96
78) 4-Chlorotoluene	11.51	91	189878	20.000	ug/l	91
79) tert-butylbenzene	12.06	119	197684	20.000	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	198709	20.000	ug/l	94
81) sec-Butylbenzene	11.94	105	234244	20.000	ug/l	95
82) p-Isopropyltoluene	12.06	119	197684	20.000	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	101630	20.000	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	98545	20.000	ug/l	96
85) n-Butylbenzene	12.38	91	179216	20.000	ug/l	96
86) Hexachloroethane	12.59	117	33414	20.000	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	101057	20.000	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	18226	20.000	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.65	180	63196	20.000	ug/l	99
90) Hexachlorobutadiene	13.78	225	32549	20.000	ug/l	97
91) Naphthalene	13.83	128	207495	20.000	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	63259	20.000	ug/l	99

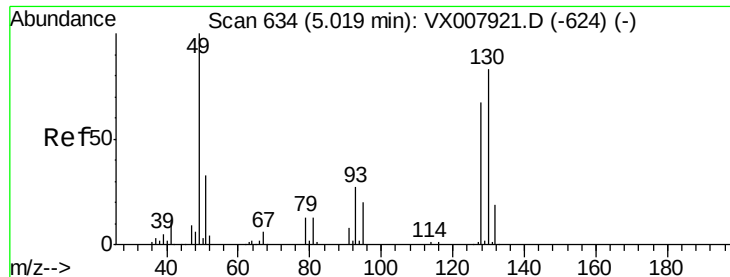
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

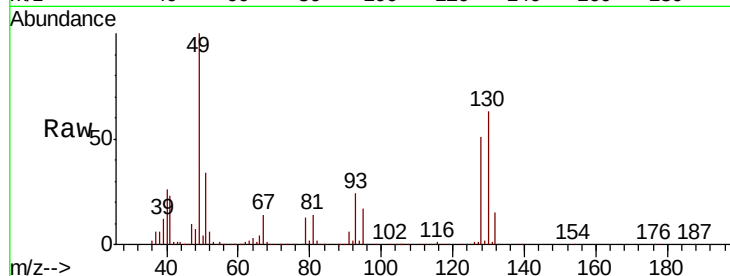
Tgt Ion:128 Resp: 51365

Ion Ratio Lower Upper

128 100

49 199.2 0.0 350.8

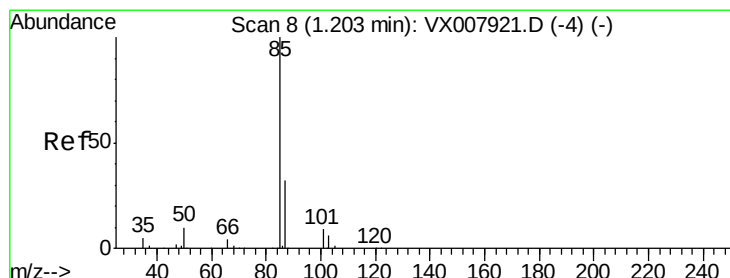
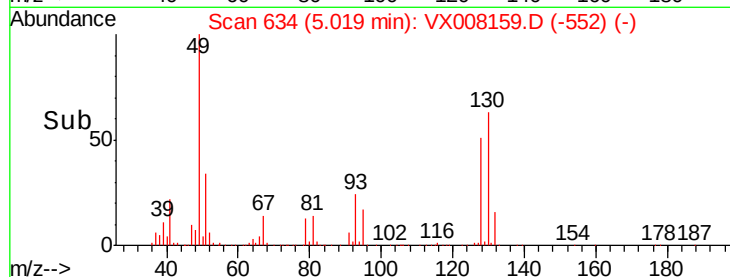
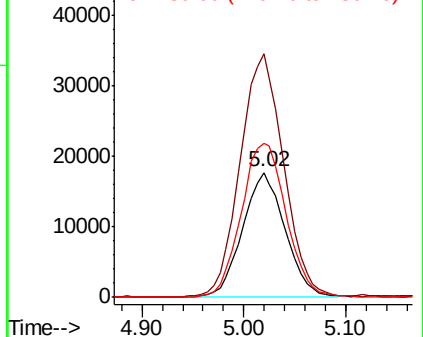
130 130.8 0.0 325.8



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: 20.000 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008159.D

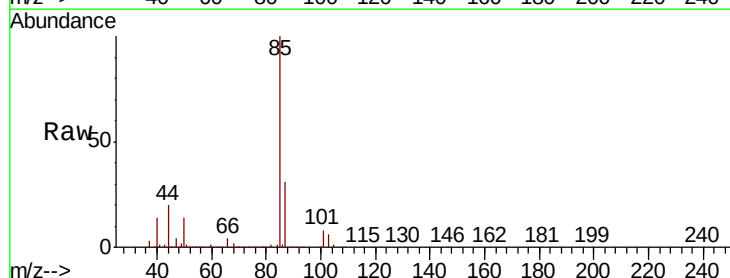
Acq: 18 Mar 2019 10:52

Tgt Ion: 85 Resp: 44853

Ion Ratio Lower Upper

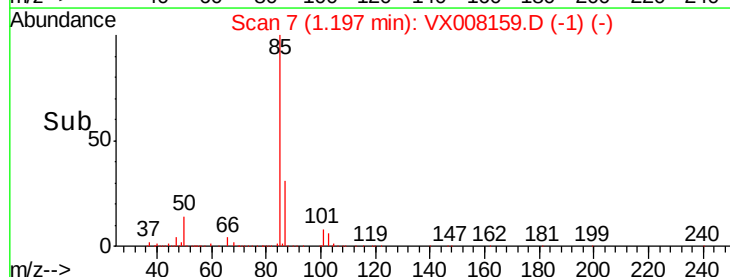
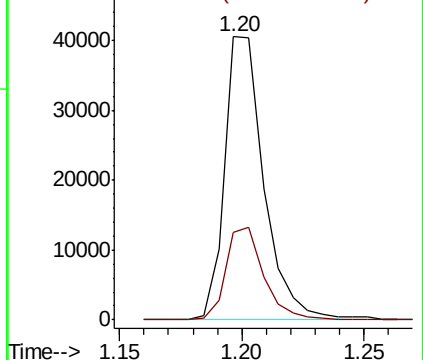
85 100

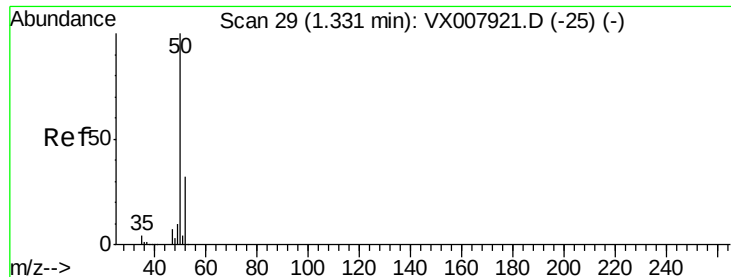
87 31.1 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.000 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

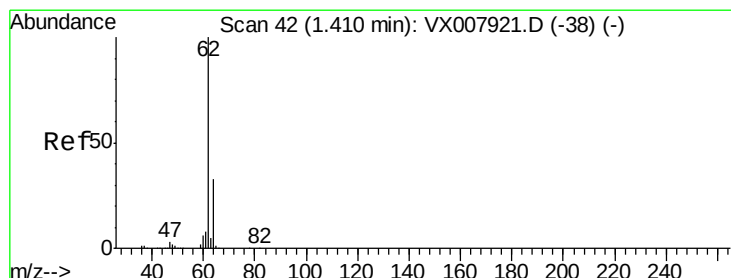
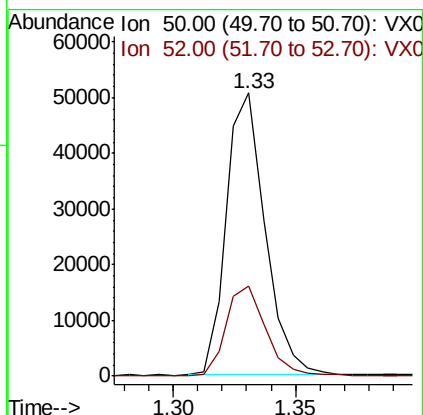
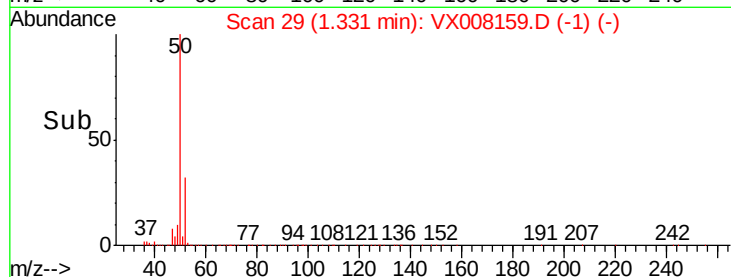
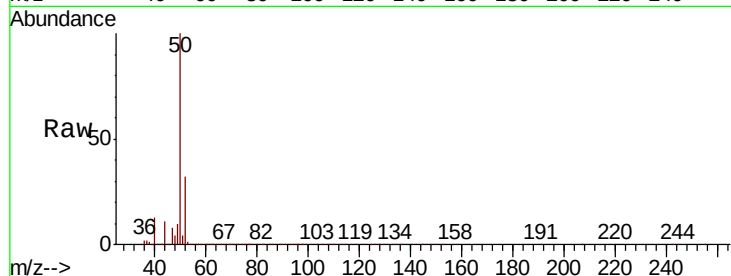
VSTDICCC020

Tgt Ion: 50 Resp: 55475

Ion Ratio Lower Upper

50 100

52 32.0 27.5 41.3



#4

Vinyl Chloride

Concen: 20.000 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008159.D

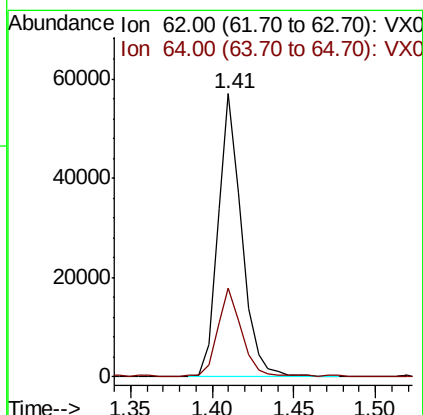
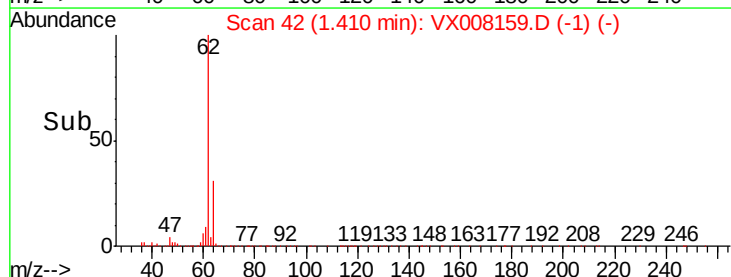
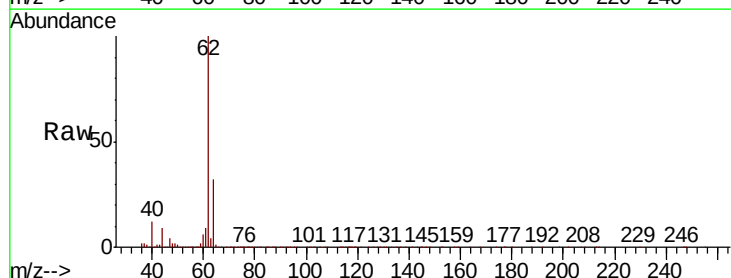
Acq: 18 Mar 2019 10:52

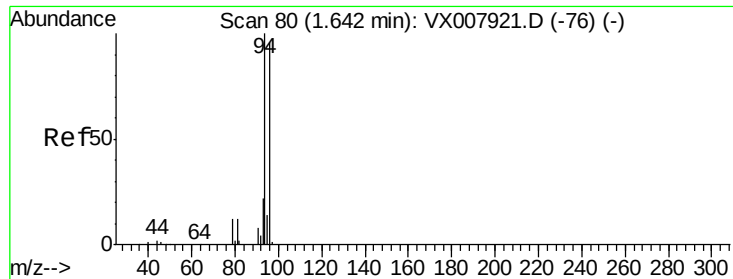
Tgt Ion: 62 Resp: 57471

Ion Ratio Lower Upper

62 100

64 31.1 25.9 38.9





#5

Bromomethane

Concen: 20.000 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

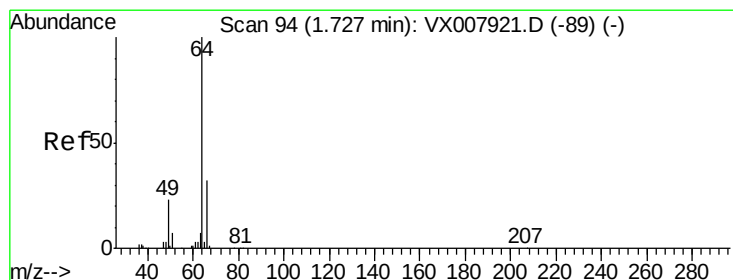
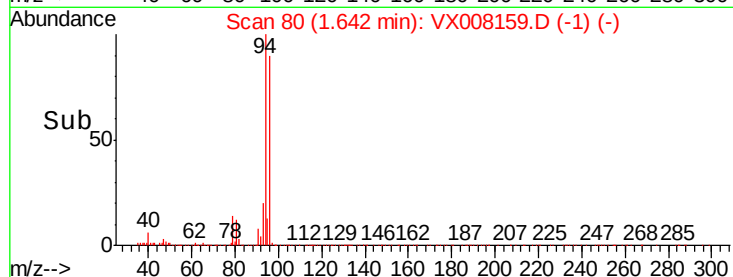
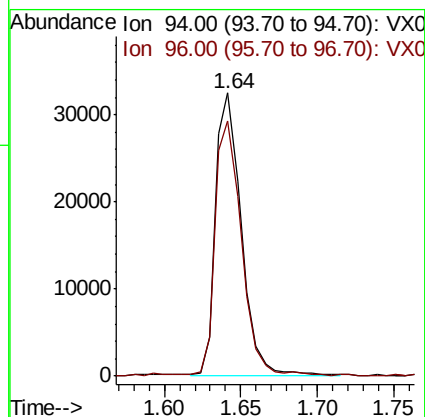
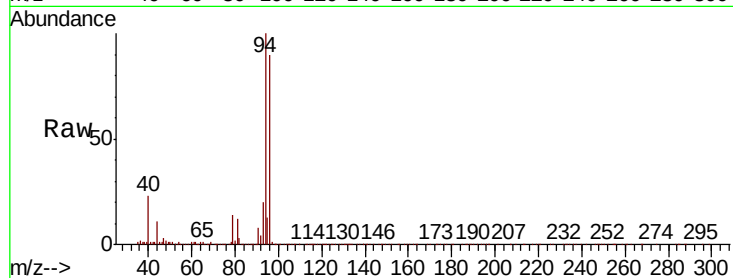
VSTDICCC020

Tgt Ion: 94 Resp: 37995

Ion Ratio Lower Upper

94 100

96 90.3 75.6 113.4



#6

Chloroethane

Concen: 20.000 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX008159.D

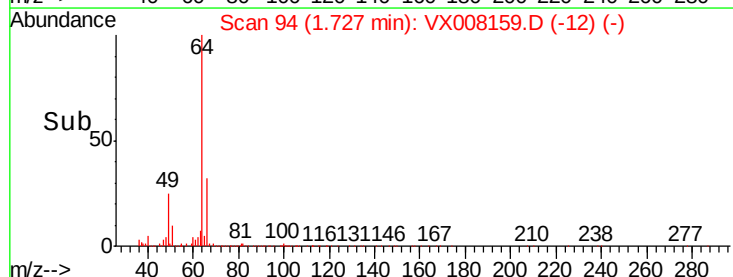
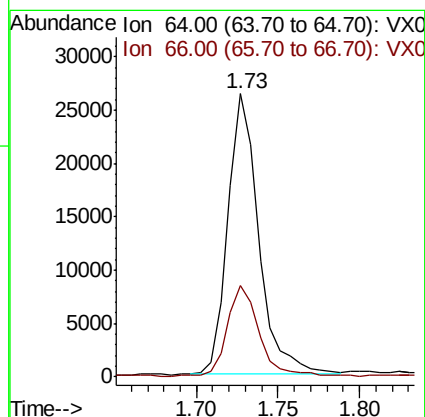
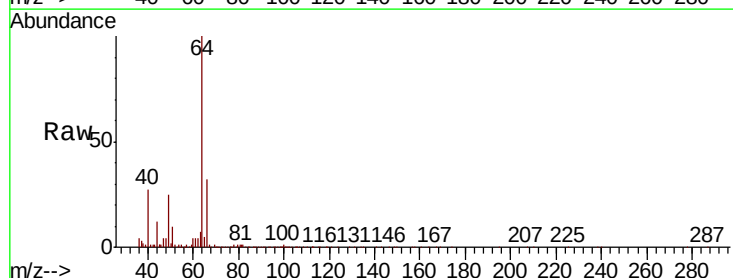
Acq: 18 Mar 2019 10:52

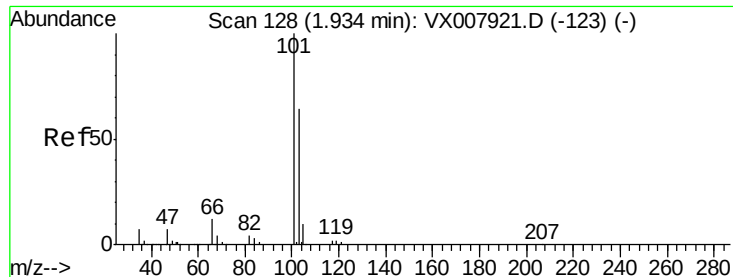
Tgt Ion: 64 Resp: 34622

Ion Ratio Lower Upper

64 100

66 32.2 23.9 35.9



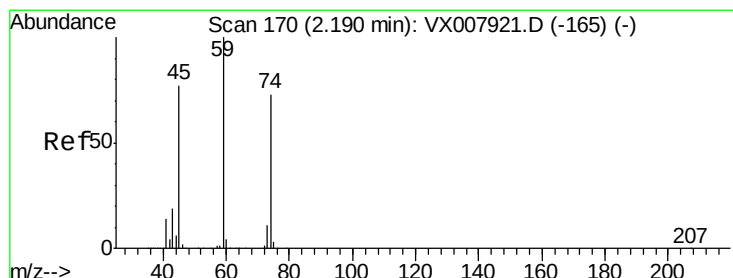
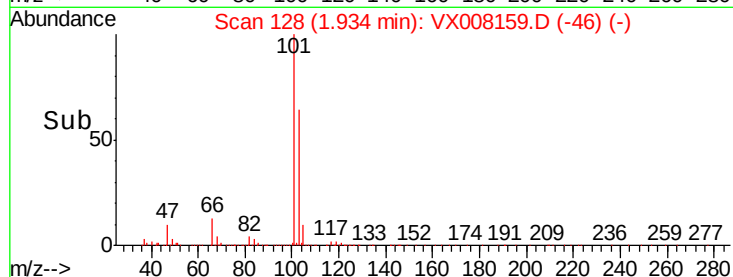
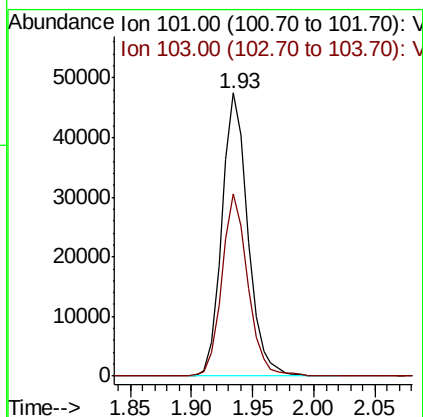
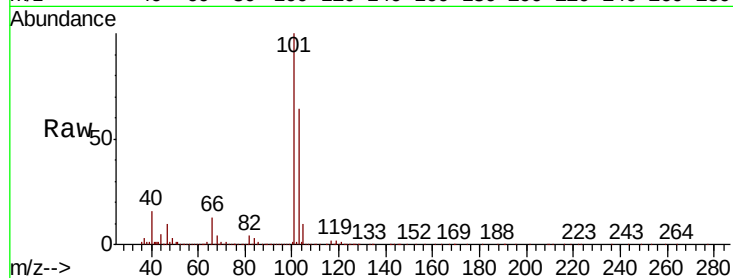


#7

Trichlorofluoromethane
 Concen: 20.000 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

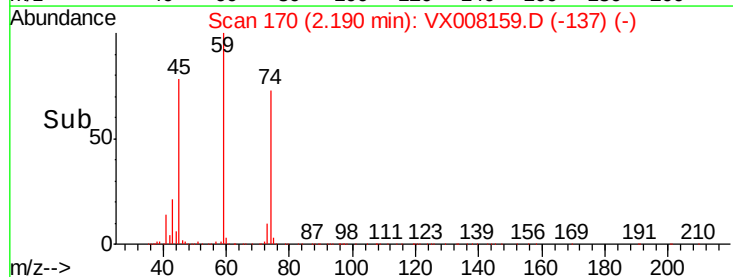
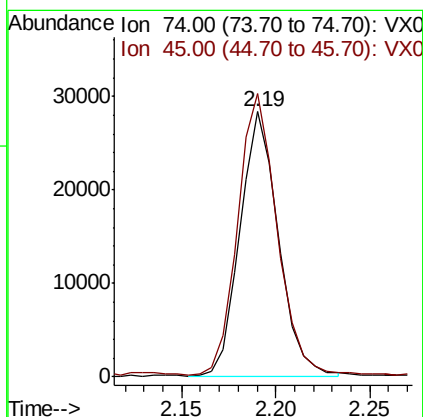
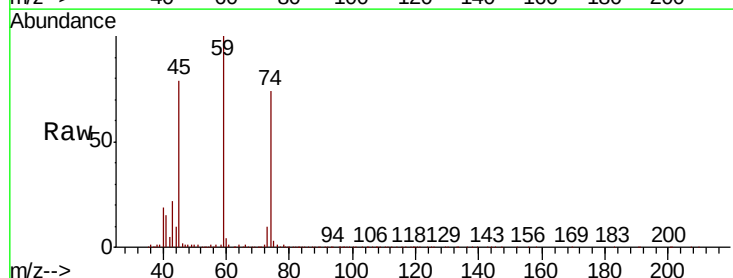
Tgt Ion: 101 Resp: 69971
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.4 75.6

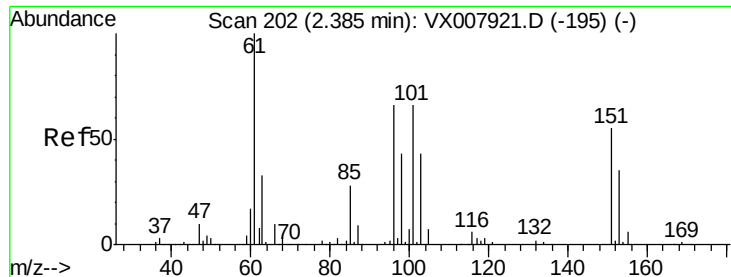


#8

Diethyl Ether
 Concen: 20.000 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Tgt Ion: 74 Resp: 40366
 Ion Ratio Lower Upper
 74 100
 45 108.3 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.000 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

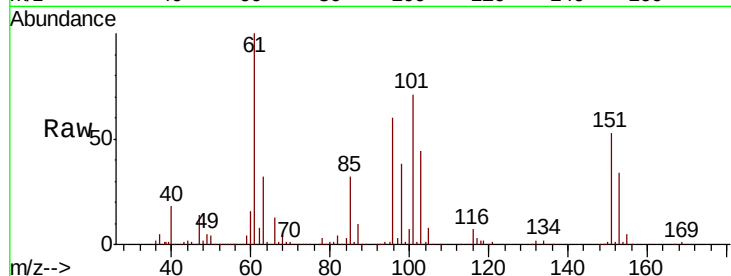
Tgt Ion: 101 Resp: 49894

Ion Ratio Lower Upper

101 100

85 45.2 0.0 86.8

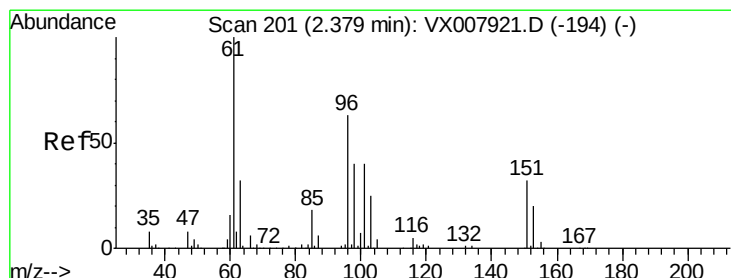
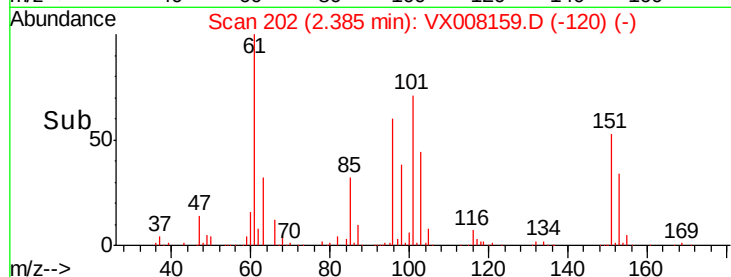
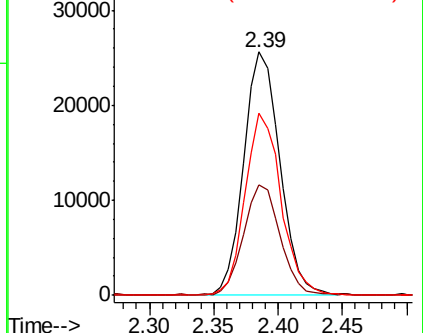
151 74.4 0.0 169.2



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: 20.000 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

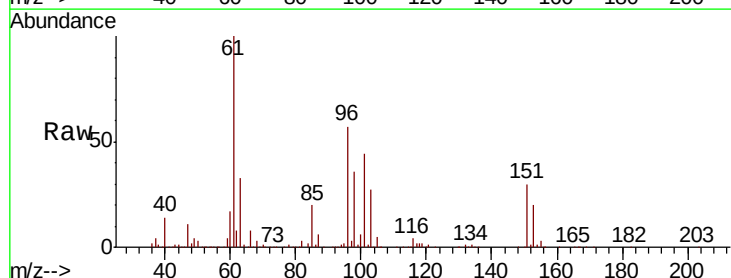
Tgt Ion: 96 Resp: 47265

Ion Ratio Lower Upper

96 100

61 175.3 120.2 180.2

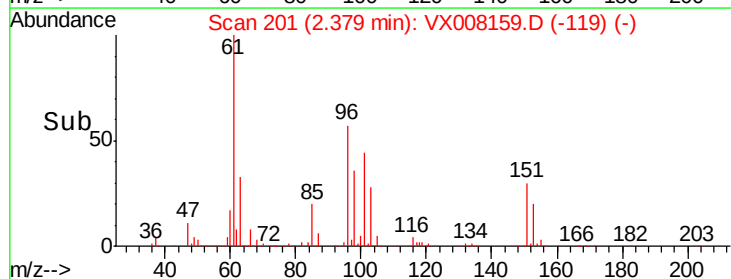
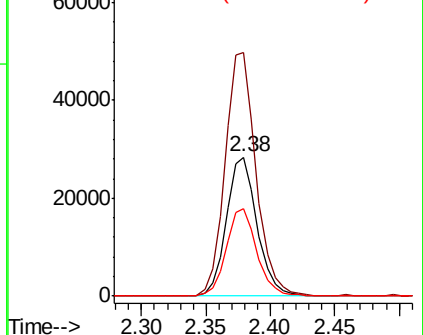
98 62.9 49.0 73.4

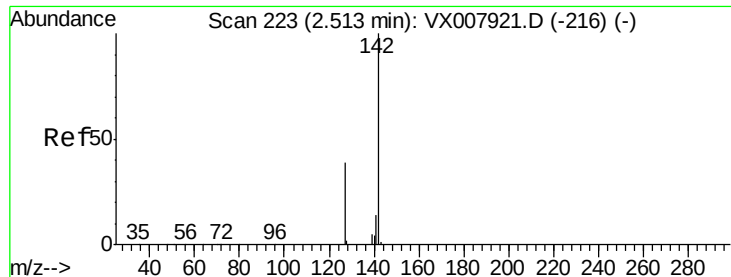


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

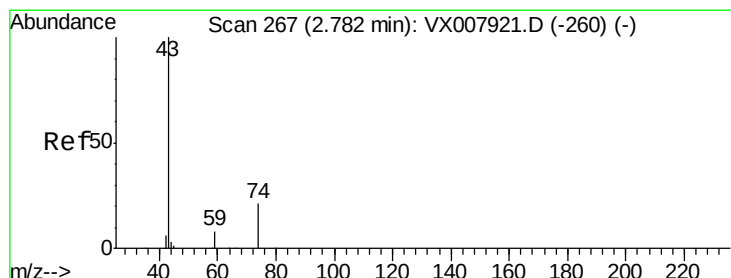
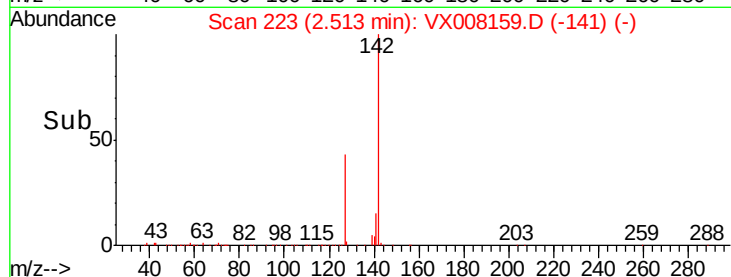
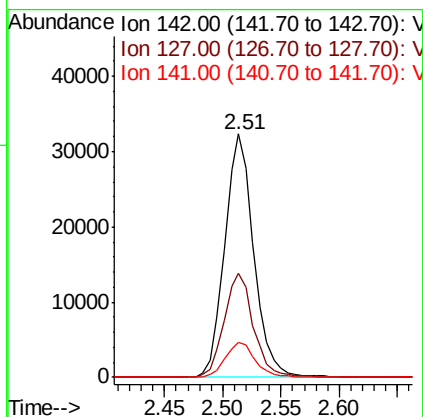
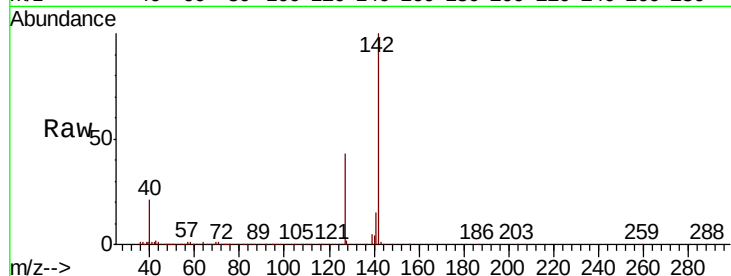




#11
Methyl Iodide
Concen: 20.000 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

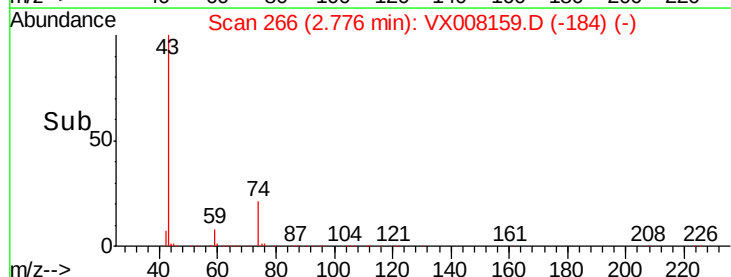
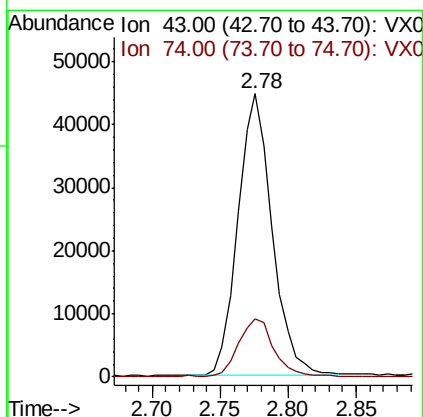
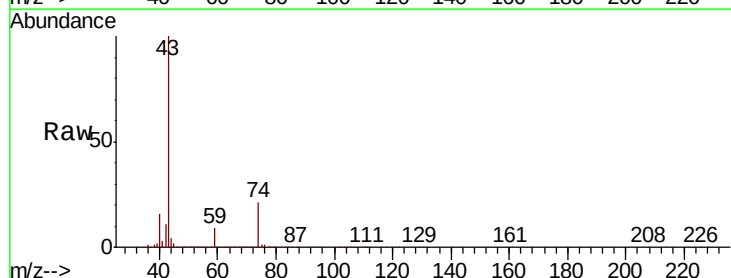
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

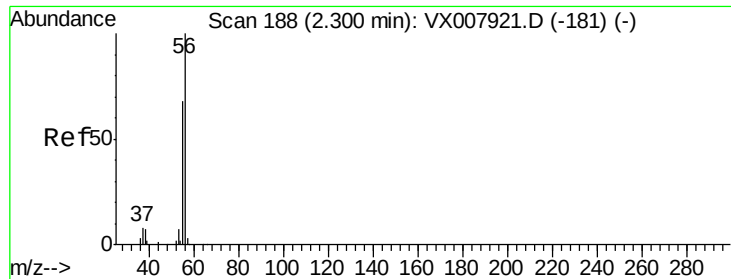
Tgt Ion:142 Resp: 55826
Ion Ratio Lower Upper
142 100
127 42.7 22.1 66.5
141 14.6 7.4 22.3



#12
Methyl Acetate
Concen: 20.000 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

Tgt Ion: 43 Resp: 78663
Ion Ratio Lower Upper
43 100
74 20.3 19.4 29.0





#13

Acrolein

Concen: 100.000 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

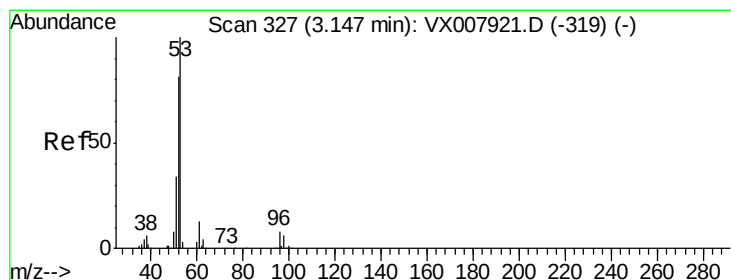
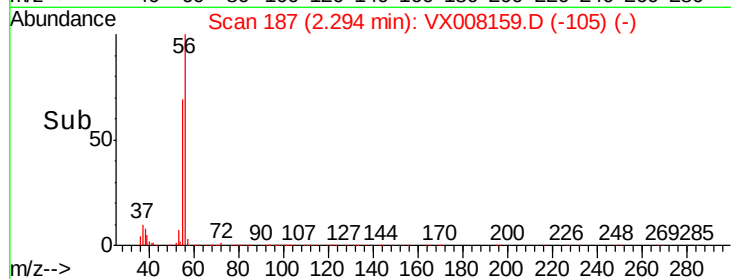
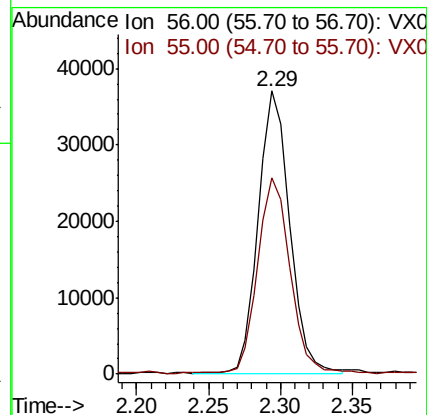
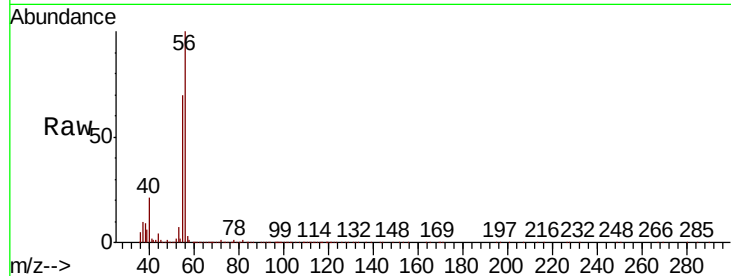
VSTDICCC020

Tgt Ion: 56 Resp: 55587

Ion Ratio Lower Upper

56 100

55 72.9 58.6 87.8



#14

Acrylonitrile

Concen: 100.000 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

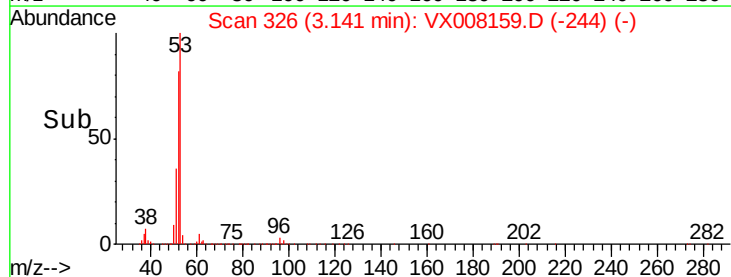
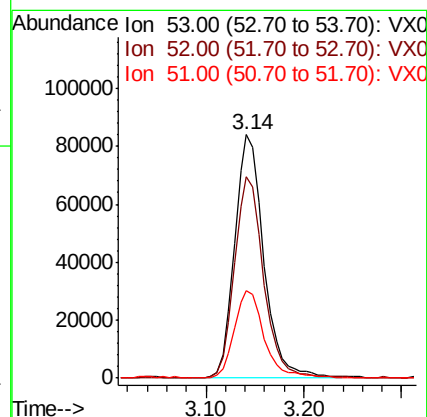
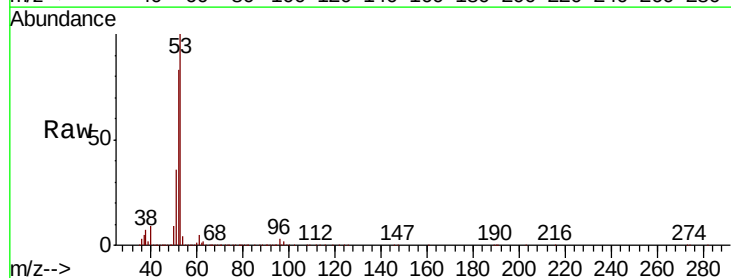
Tgt Ion: 53 Resp: 172545

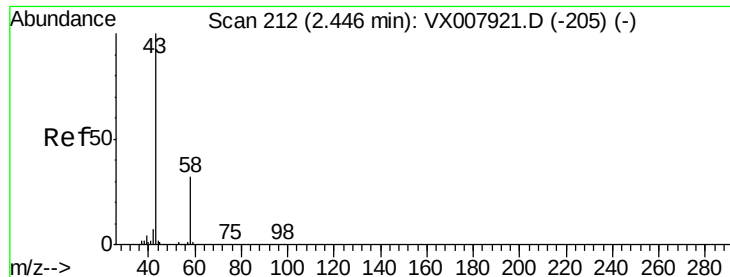
Ion Ratio Lower Upper

53 100

52 82.5 41.3 124.1

51 36.9 17.5 52.6





#15

Acetone

Concen: 100.000 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

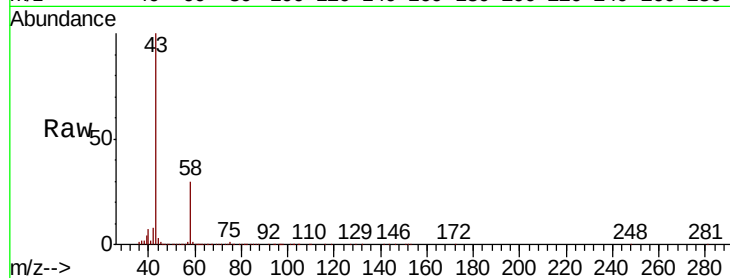
VSTDICCC020

Tgt Ion: 58 Resp: 60864

Ion Ratio Lower Upper

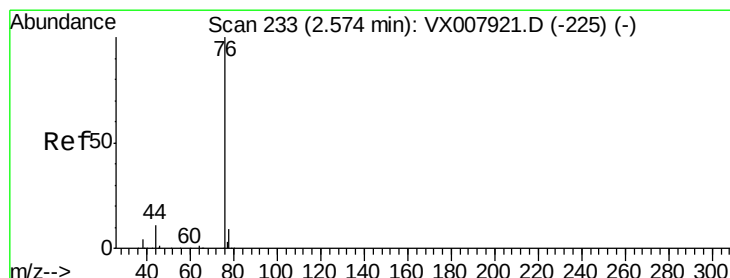
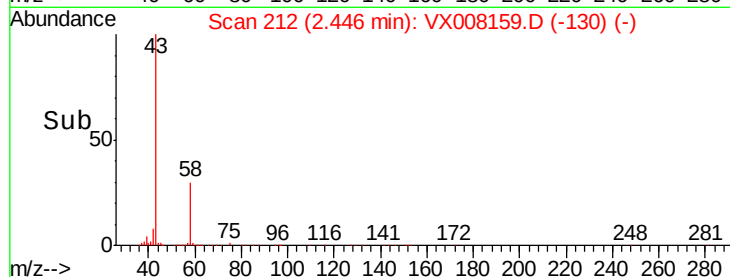
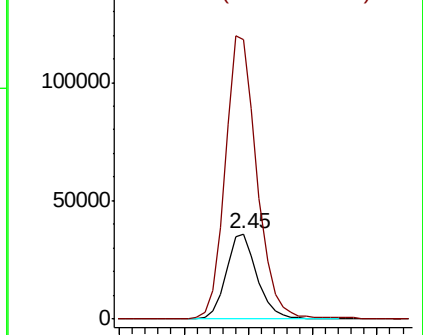
58 100

43 329.4 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 20.000 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008159.D

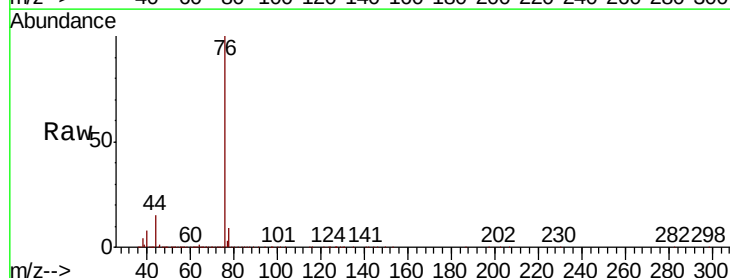
Acq: 18 Mar 2019 10:52

Tgt Ion: 76 Resp: 148908

Ion Ratio Lower Upper

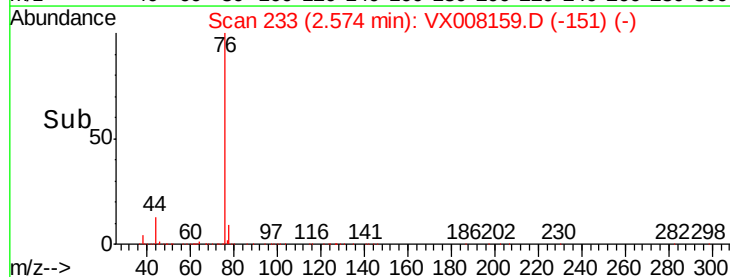
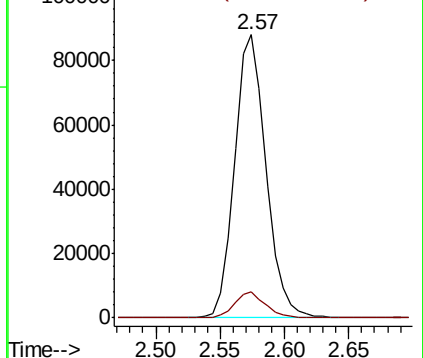
76 100

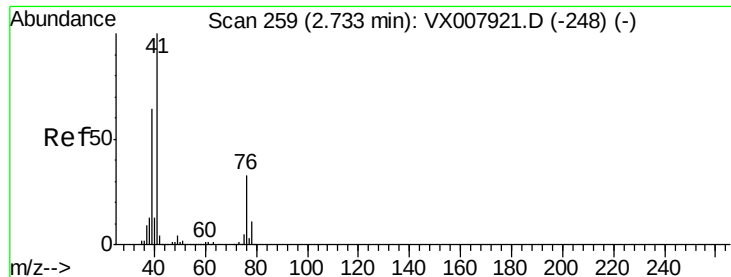
78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

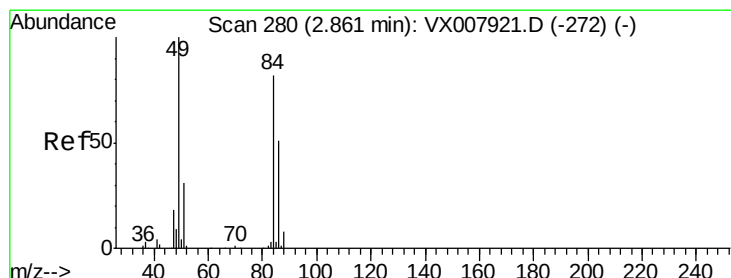
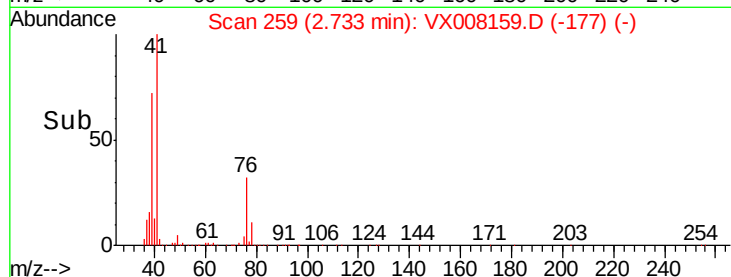
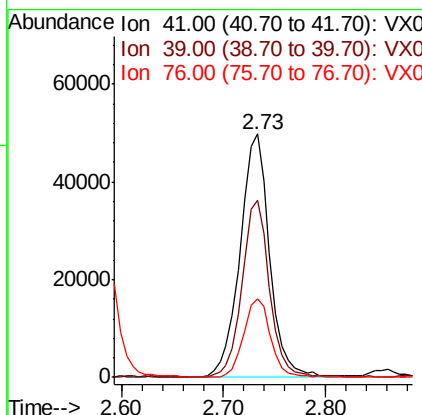
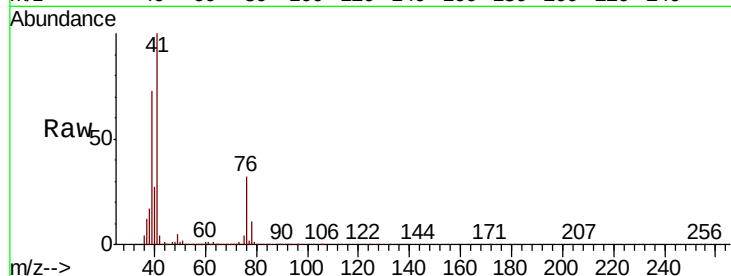




#17
 Allyl chloride
 Concen: 20.000 ug/l
 RT: 2.73 min Scan# 259
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

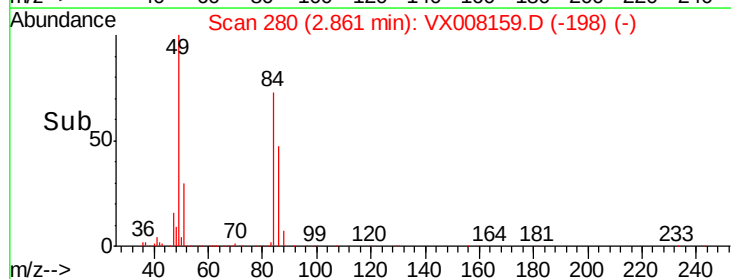
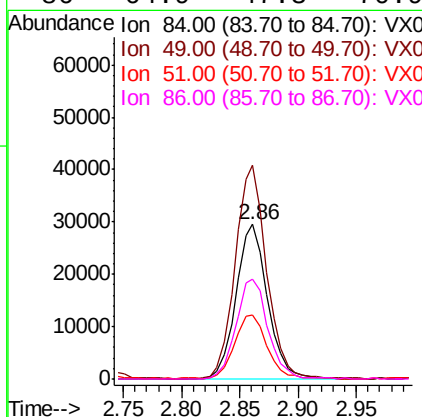
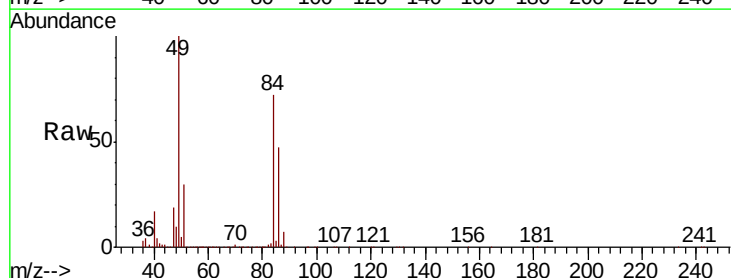
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

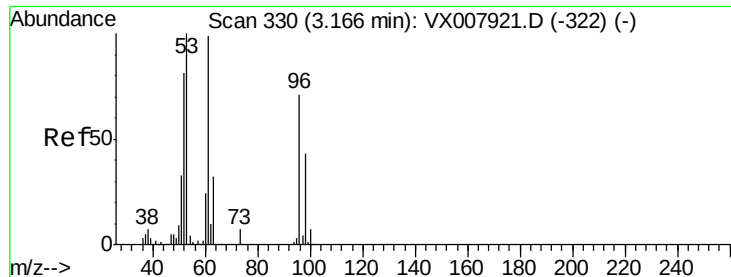
Tgt Ion: 41 Resp: 100093
 Ion Ratio Lower Upper
 41 100
 39 72.5 35.8 107.4
 76 31.8 18.3 54.9



#18
 Methylene Chloride
 Concen: 20.000 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Tgt Ion: 84 Resp: 55587
 Ion Ratio Lower Upper
 84 100
 49 137.7 96.1 144.1
 51 41.4 29.1 43.7
 86 64.9 47.3 70.9





#19

trans-1,2-Dichloroethene

Concen: 20.000 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

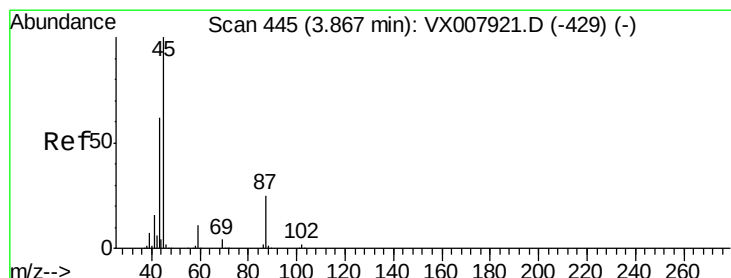
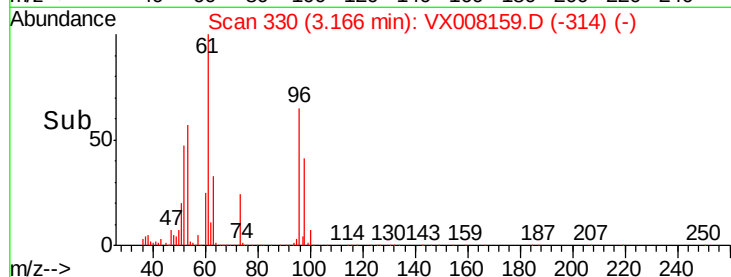
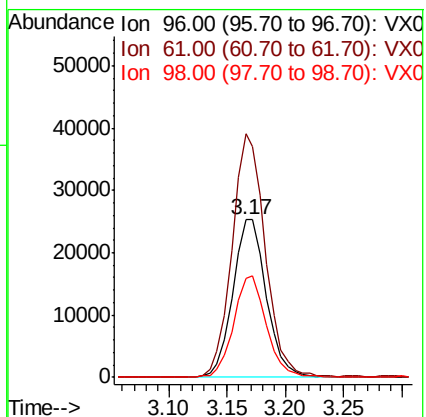
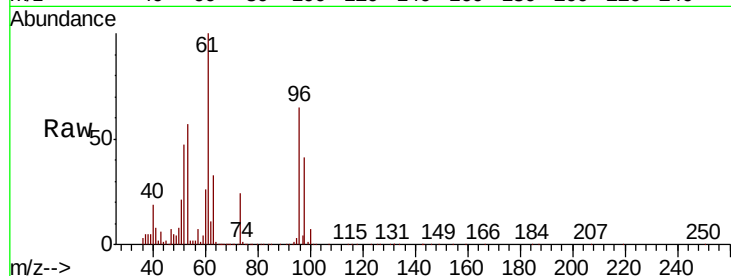
Tgt Ion: 96 Resp: 50787

Ion Ratio Lower Upper

96 100

61 153.9 109.9 164.9

98 62.8 50.4 75.6



#20

Diisopropyl ether

Concen: 20.000 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Tgt Ion: 45 Resp: 201340

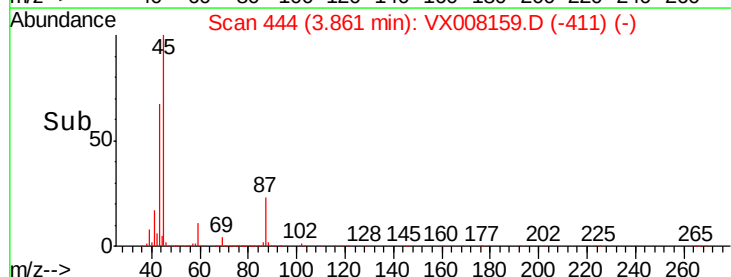
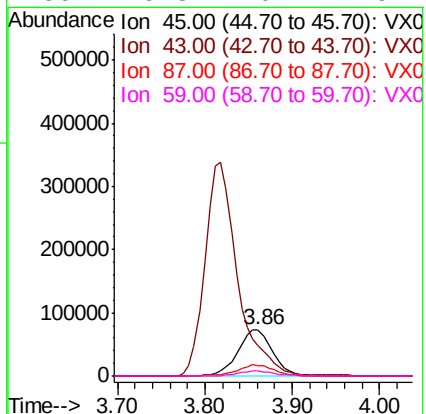
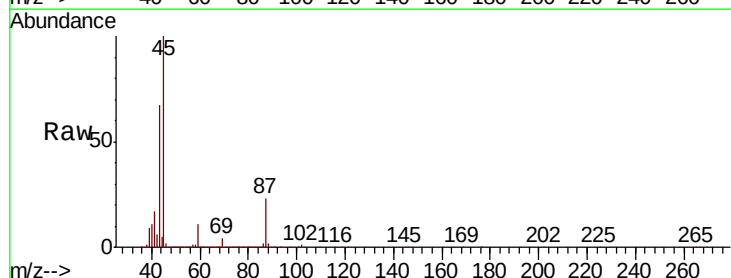
Ion Ratio Lower Upper

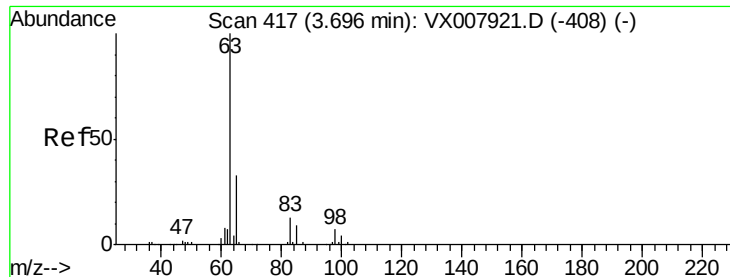
45 100

43 65.1 50.6 76.0

87 23.1 24.5 36.7#

59 10.8 10.2 15.2





#21

1,1-Dichloroethane

Concen: 20.000 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

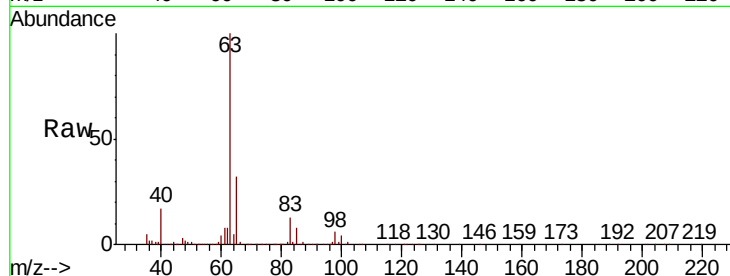
Tgt Ion: 63 Resp: 103462

Ion Ratio Lower Upper

63 100

98 6.3 3.8 11.4

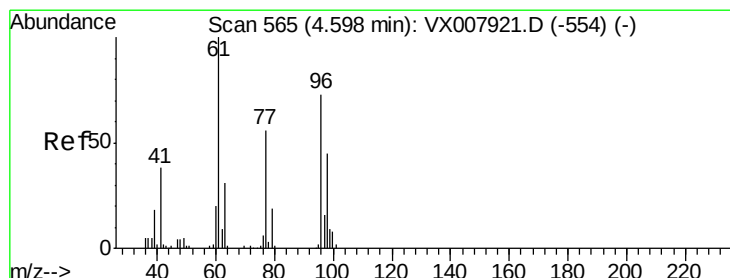
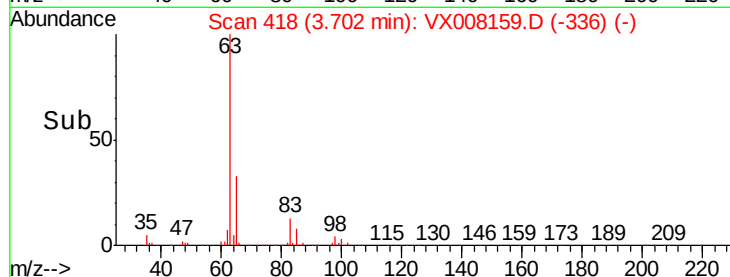
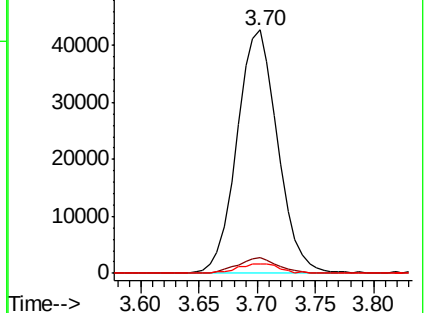
100 3.9 2.4 7.1



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: 20.000 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

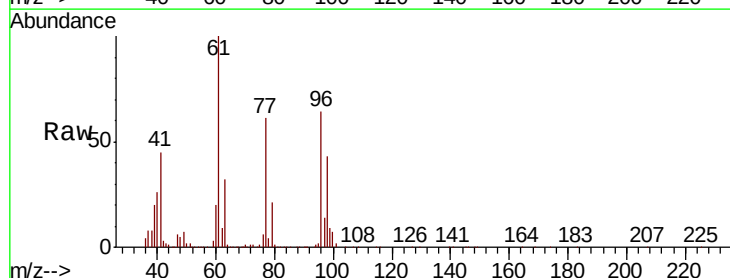
Tgt Ion: 96 Resp: 57966

Ion Ratio Lower Upper

96 100

61 158.8 103.5 155.3#

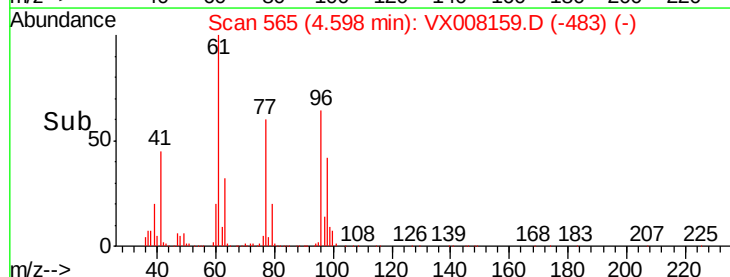
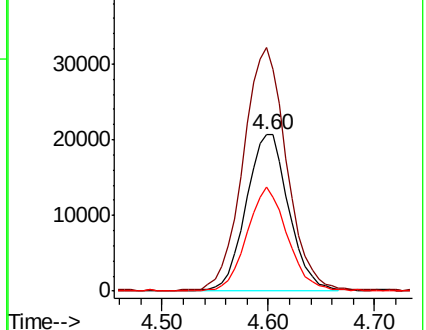
98 62.6 52.1 78.1

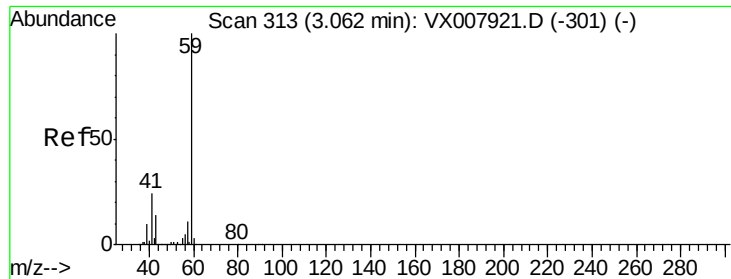


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

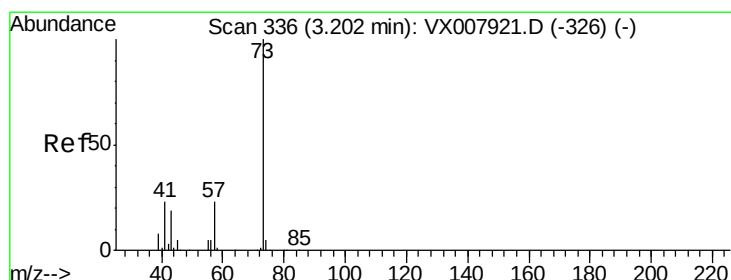
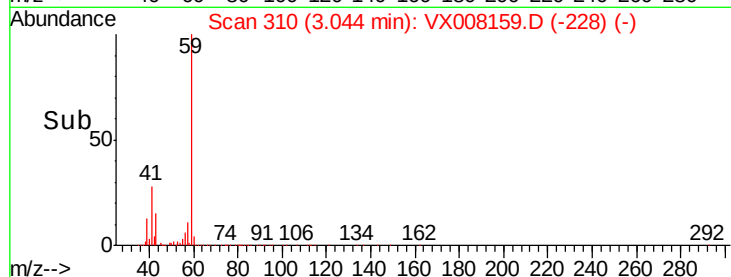
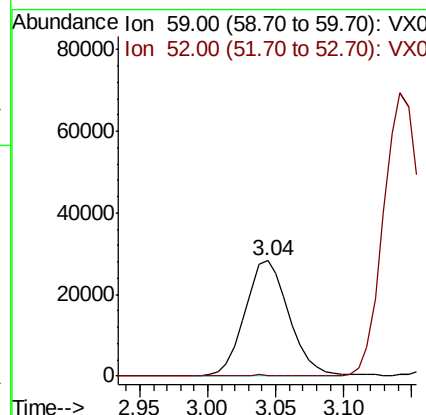
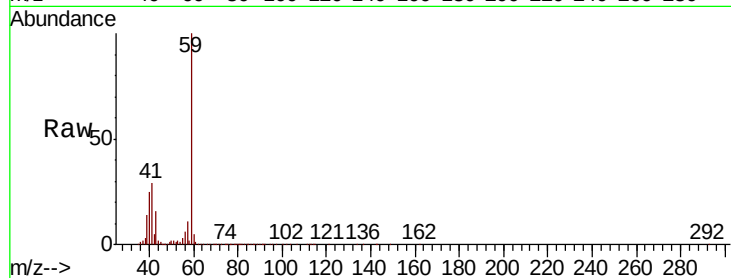




#23
 tert-Butyl Alcohol
 Concen: 100.000 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

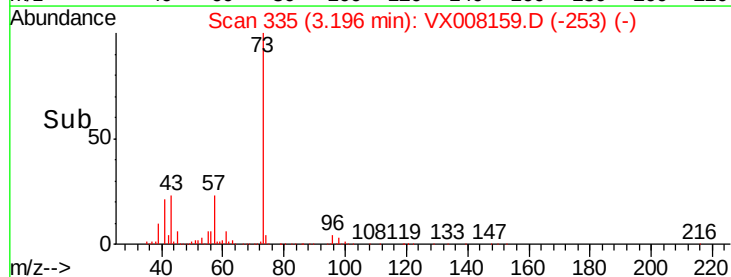
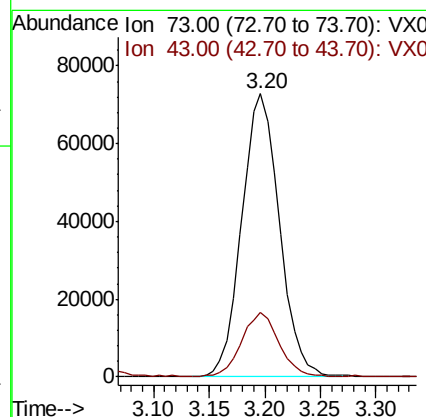
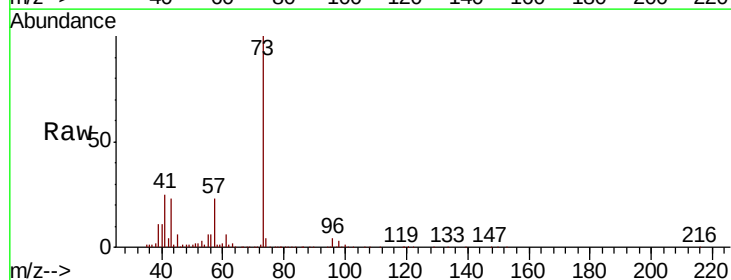
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

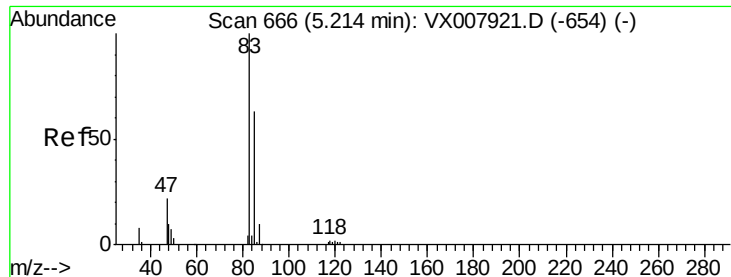
Tgt Ion: 59 Resp: 63690
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2



#24
 Methyl tert-Butyl Ether
 Concen: 20.000 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Tgt Ion: 73 Resp: 170747
 Ion Ratio Lower Upper
 73 100
 43 22.3 17.1 25.7





#25

Chloroform

Concen: 20.000 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

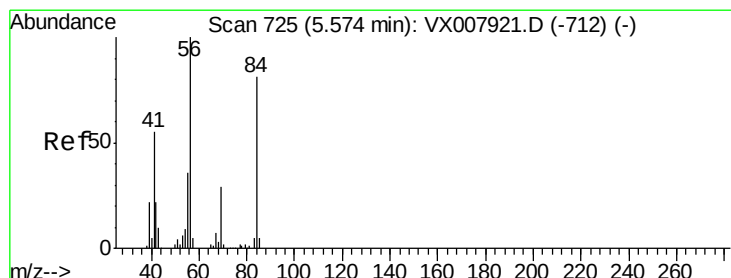
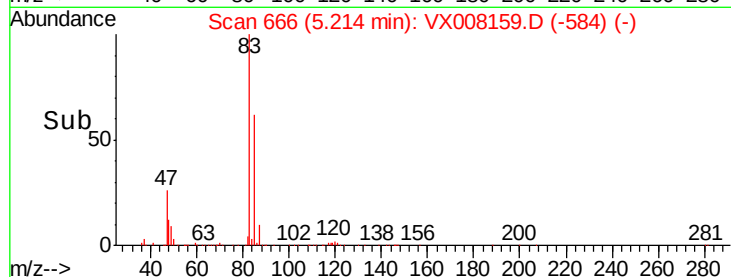
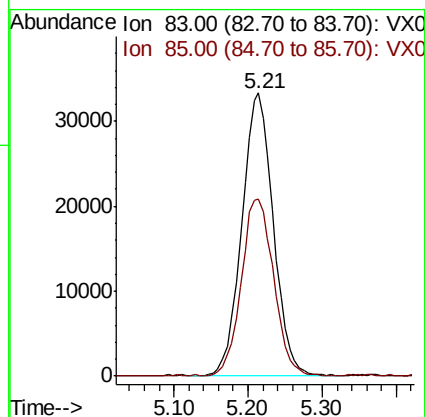
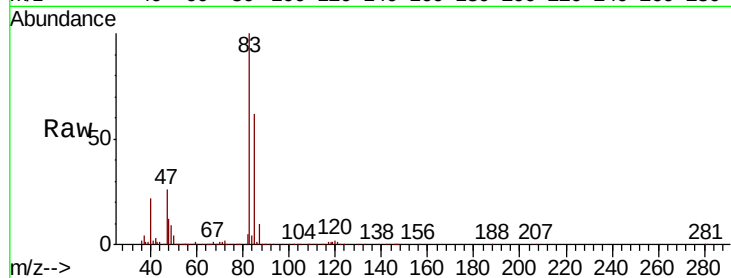
VSTDICCC020

Tgt Ion: 83 Resp: 98912

Ion Ratio Lower Upper

83 100

85 62.1 53.8 80.6



#26

Cyclohexane

Concen: 20.000 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

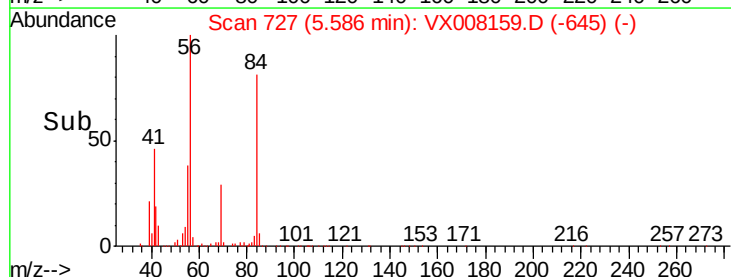
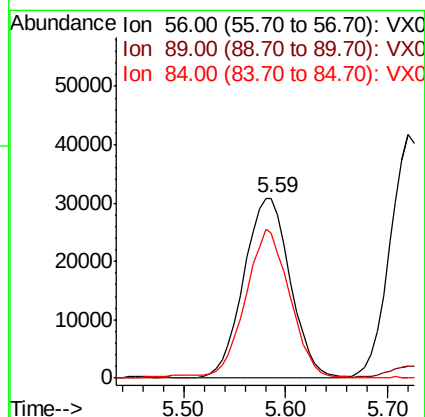
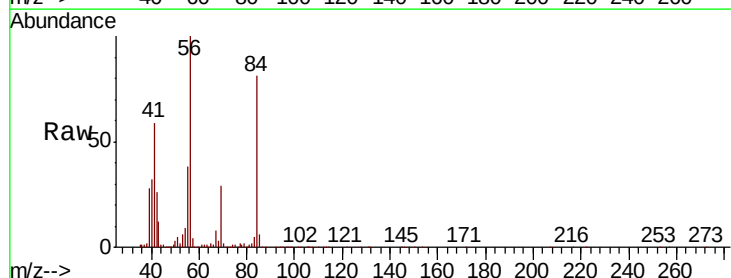
Tgt Ion: 56 Resp: 96136

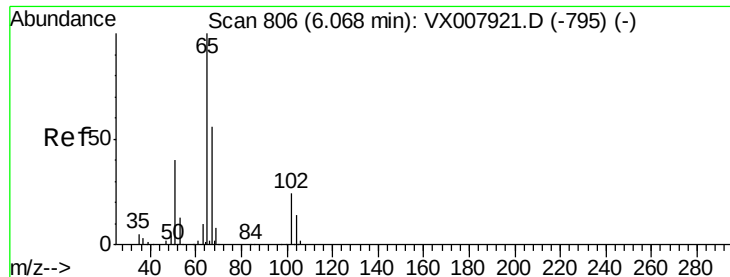
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 78.9 73.9 110.9

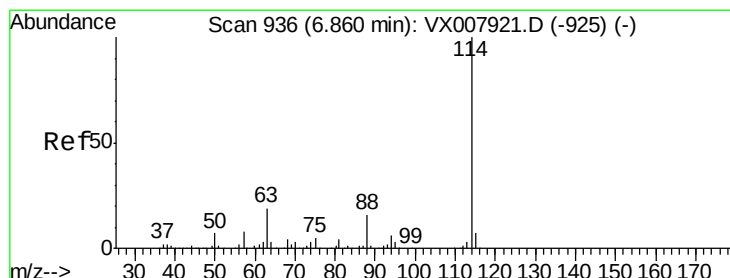
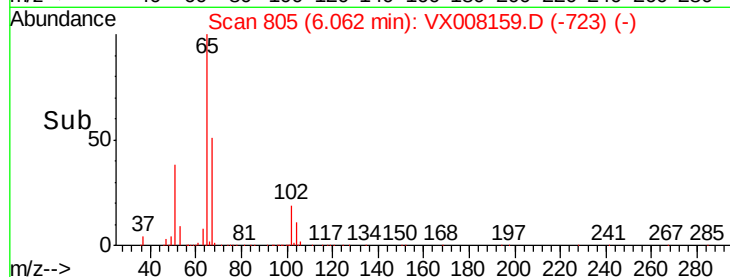
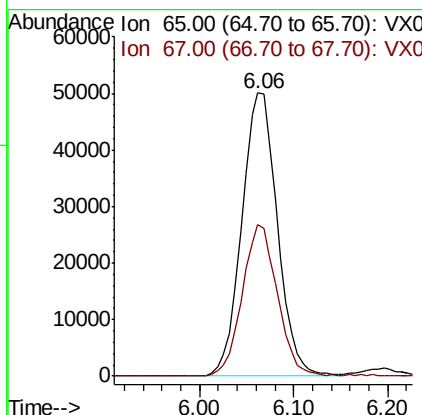
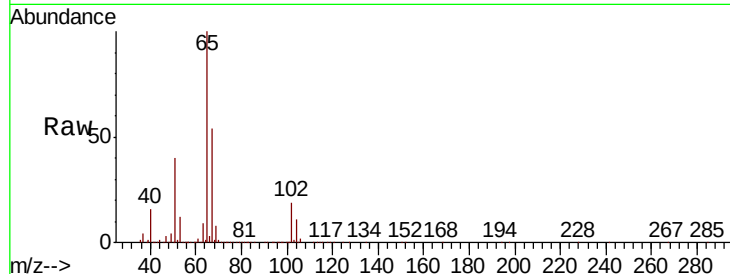




#27
 1,2-Dichloroethane-d4
 Concen: 30.000 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

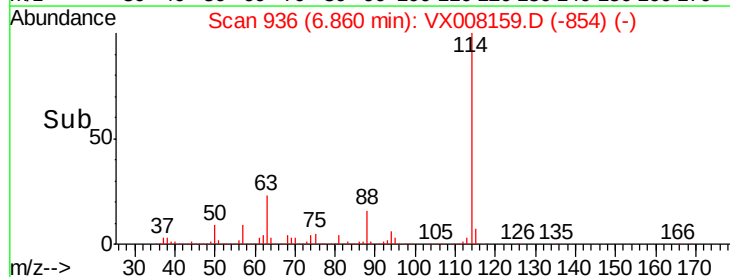
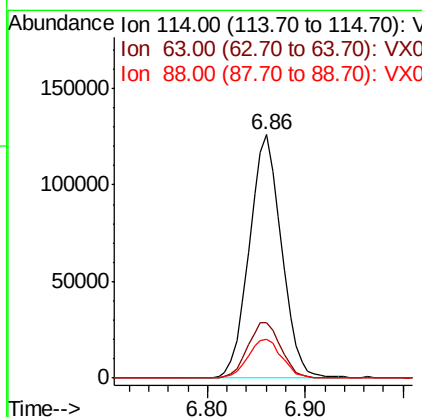
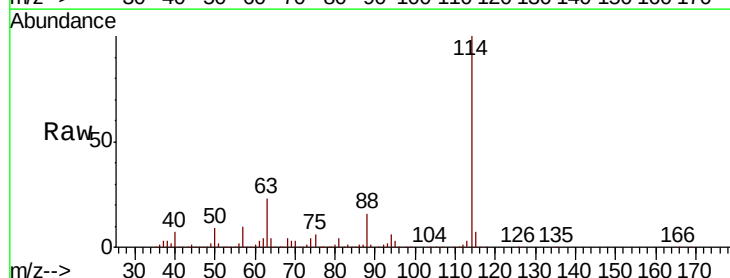
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

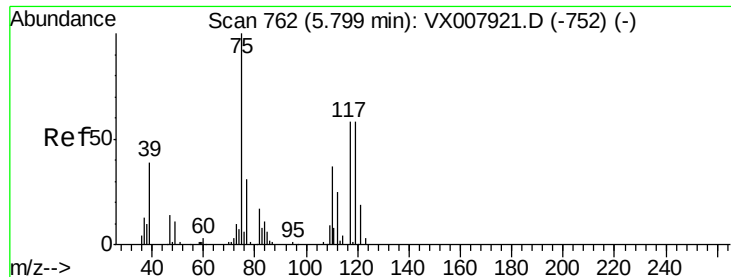
Tgt Ion: 65 Resp: 131808
 Ion Ratio Lower Upper
 65 100
 67 52.7 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Tgt Ion: 114 Resp: 288814
 Ion Ratio Lower Upper
 114 100
 63 23.3 14.2 21.4#
 88 16.7 11.9 17.9

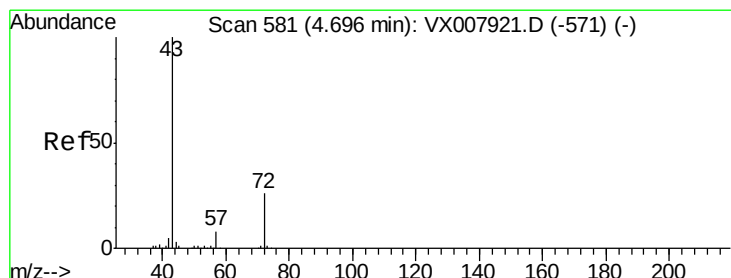
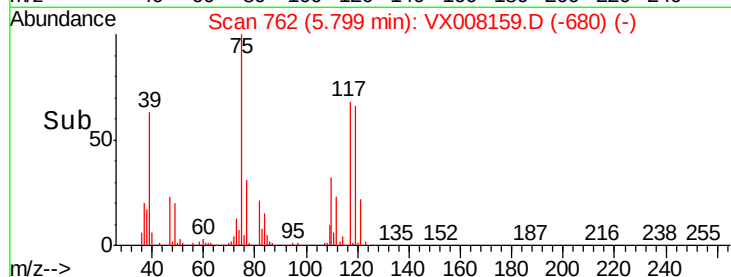
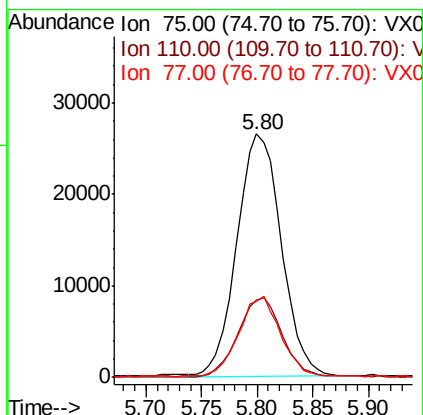
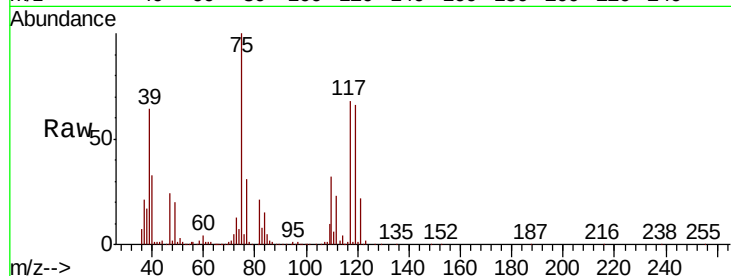




#29
 1,1-Dichloropropene
 Concen: 20.000 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

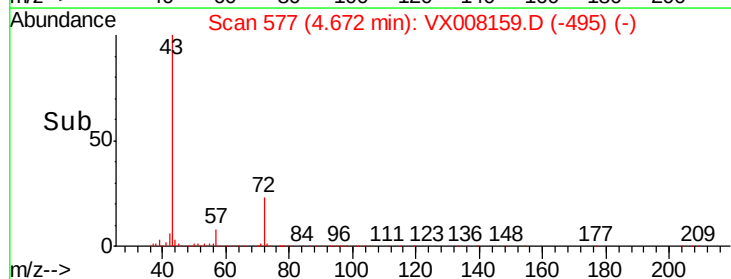
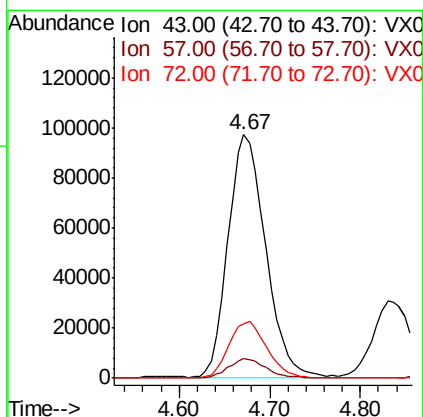
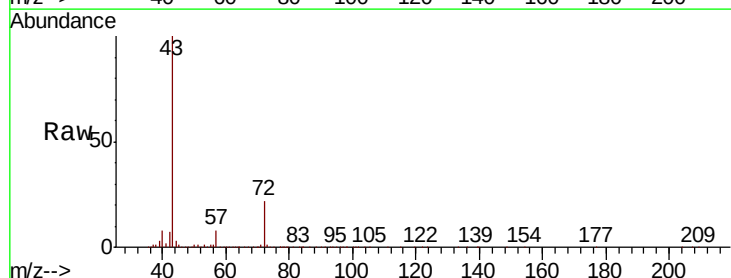
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

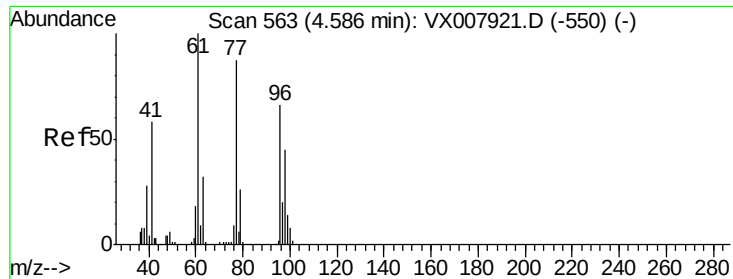
Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	0.0	80.8
77	31.0	0.0	62.4



#30
 2-Butanone
 Concen: 100.000 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	7.0	10.6
72	23.5	21.5	32.3

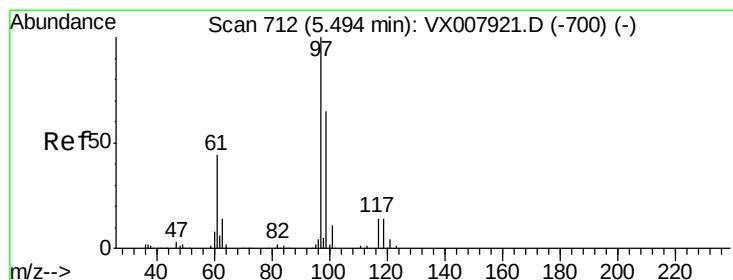
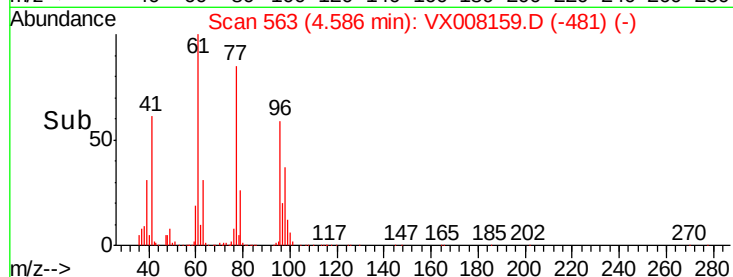
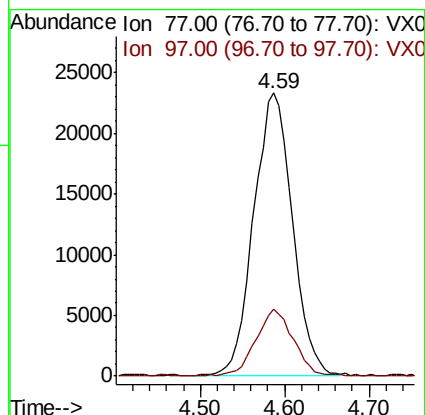
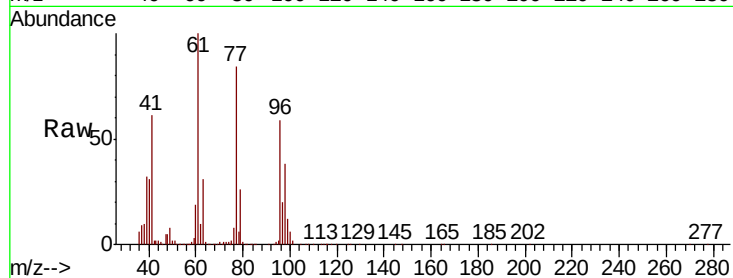




#31
 2,2-Dichloropropane
 Concen: 20.000 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

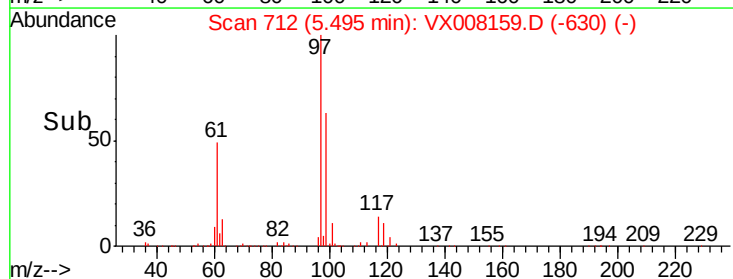
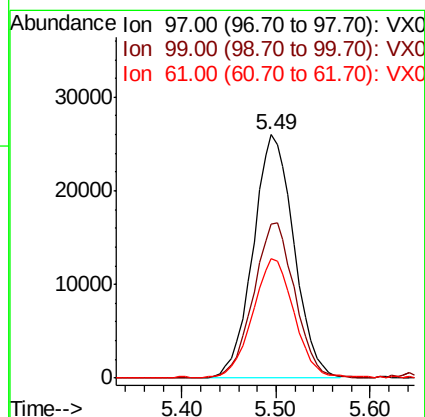
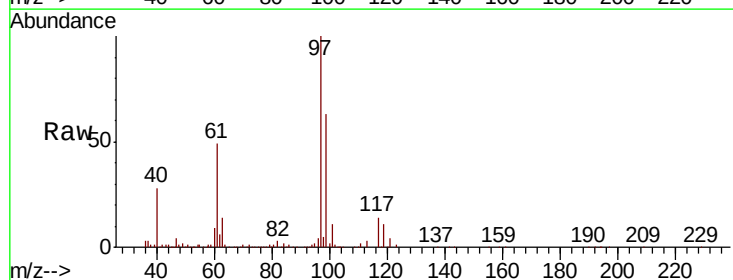
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

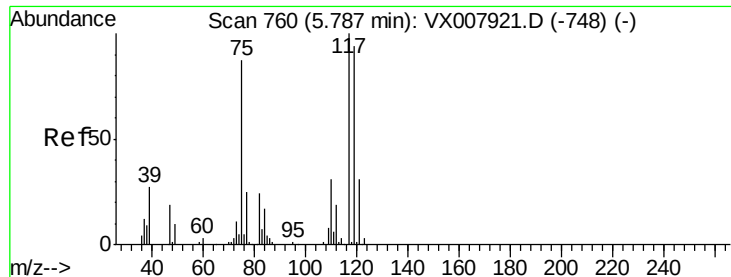
Tgt Ion: 77 Resp: 73633
 Ion Ratio Lower Upper
 77 100
 97 22.9 20.6 31.0



#32
 1,1,1-Trichloroethane
 Concen: 20.000 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Tgt Ion: 97 Resp: 78986
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 49.9 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 20.000 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

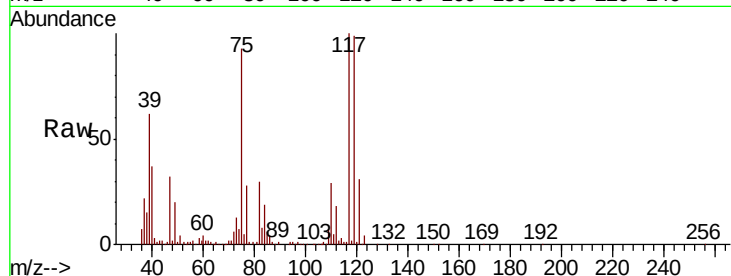
Tgt Ion:117 Resp: 64501

Ion Ratio Lower Upper

117 100

119 98.9 78.1 117.1

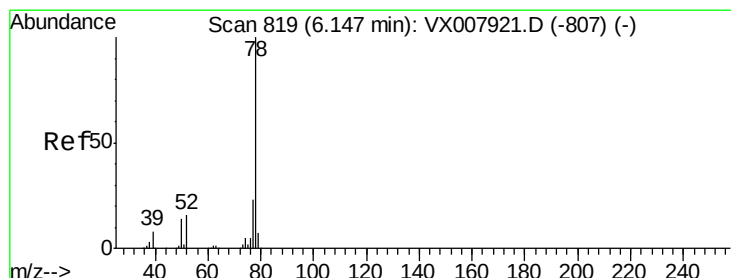
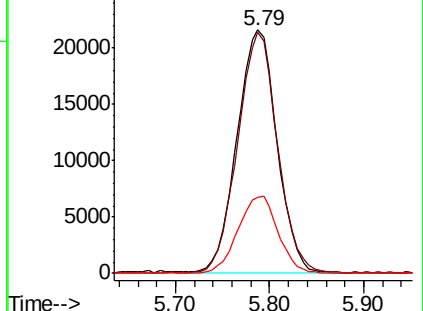
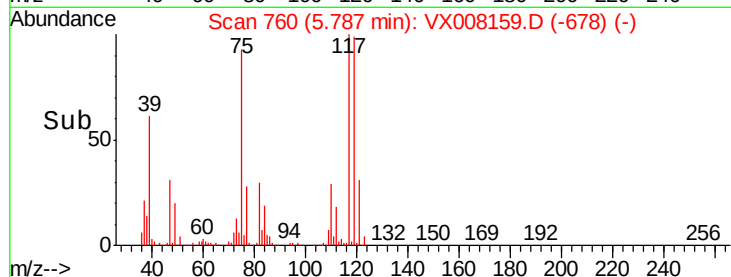
121 31.1 27.0 40.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.000 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

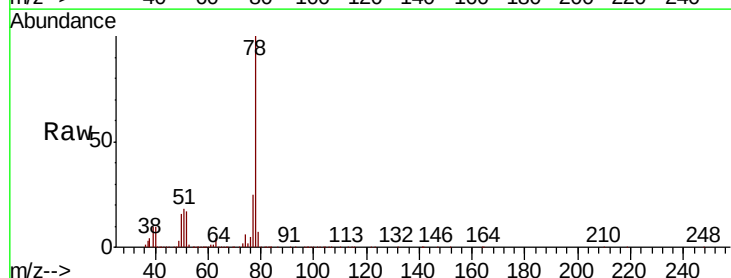
Tgt Ion: 78 Resp: 224492

Ion Ratio Lower Upper

78 100

77 24.7 19.1 28.7

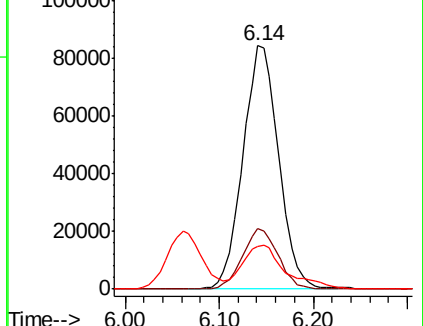
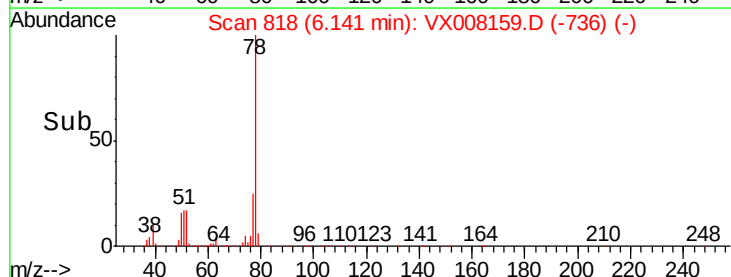
51 16.7 10.8 16.2#

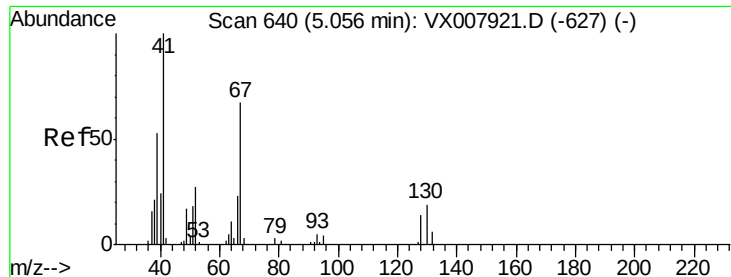


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

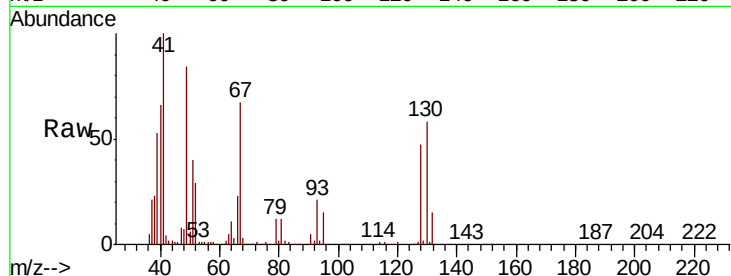




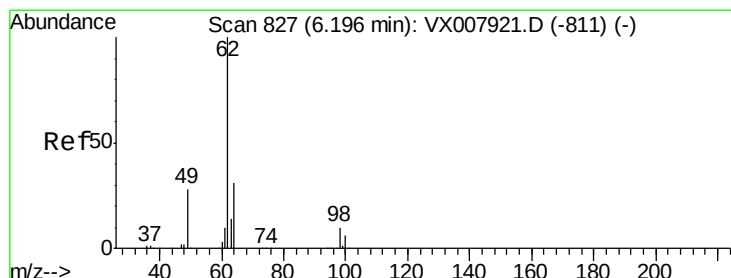
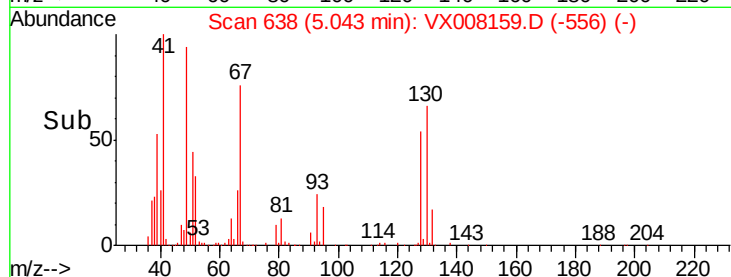
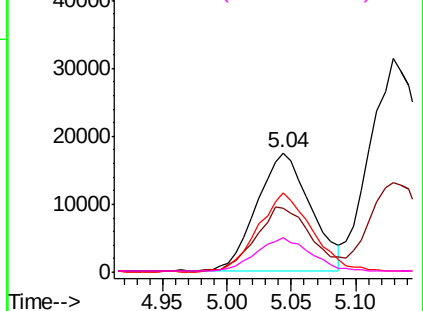
#35
Methacrylonitrile
Concen: 20.000 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:	41	Resp:	50836
Ion	Ratio	Lower	Upper
41	100		
39	53.0	27.4	82.0
67	66.9	37.9	113.6
52	28.1	13.3	39.9

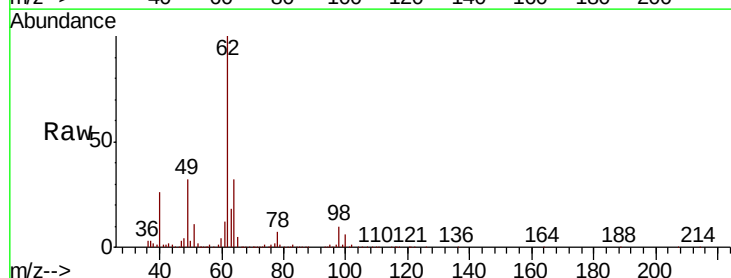


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

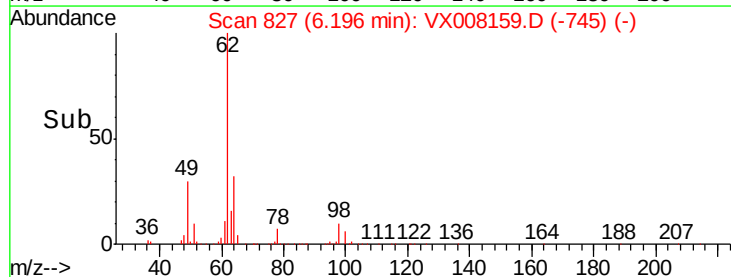
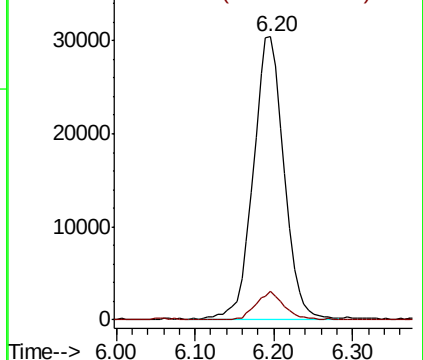


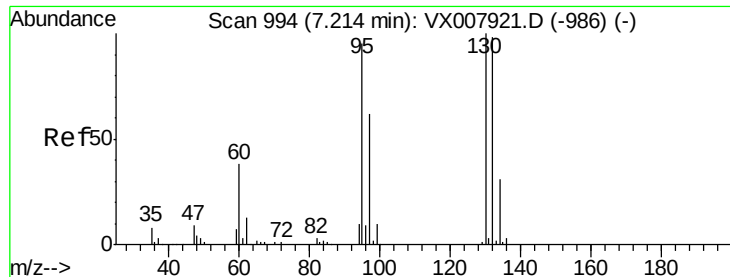
#36
1,2-Dichloroethane
Concen: 20.000 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

Tgt Ion:	62	Resp:	82583
Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.8	11.8



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 20.000 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

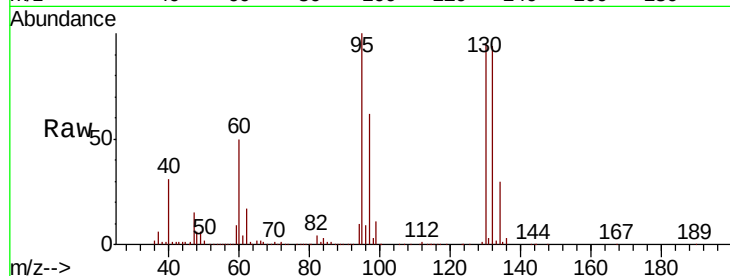
VSTDICCC020

Tgt Ion:130 Resp: 52860

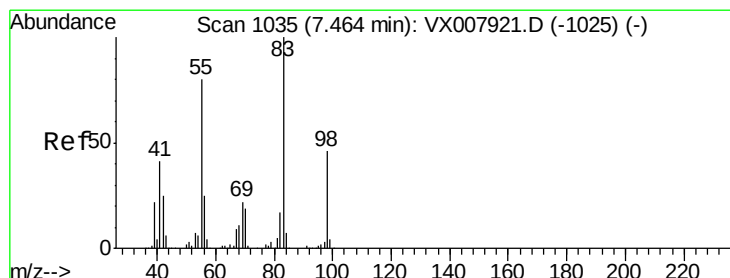
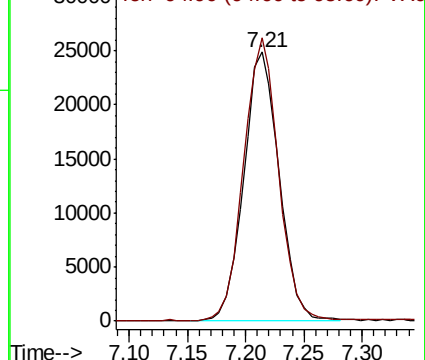
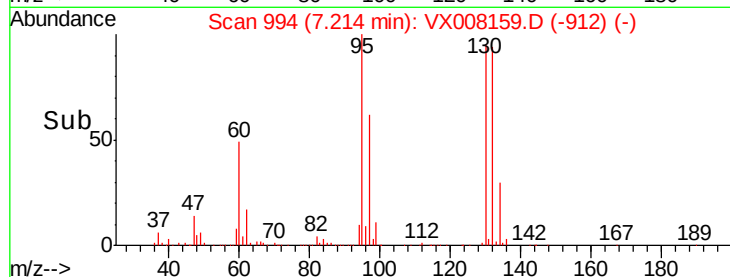
Ion Ratio Lower Upper

130 100

95 105.2 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): VX008159.D (-912) (-)



#38

Methylcyclohexane

Concen: 20.000 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

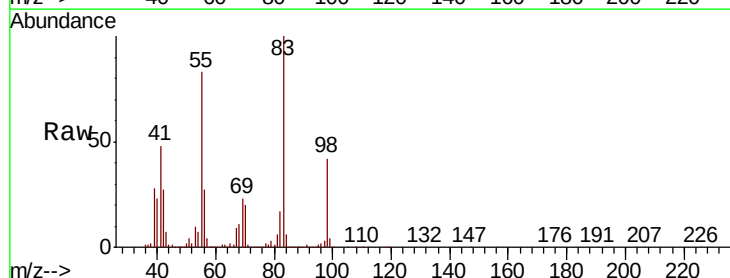
Tgt Ion: 83 Resp: 88956

Ion Ratio Lower Upper

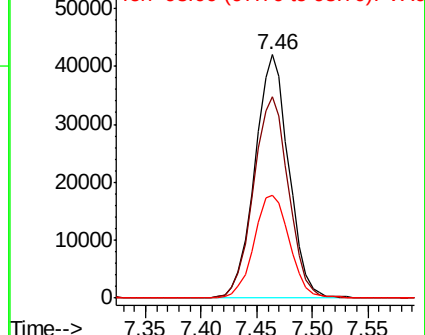
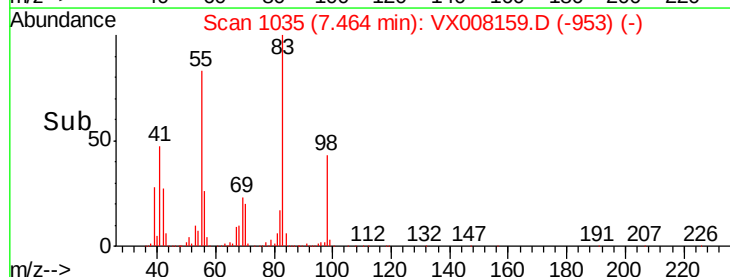
83 100

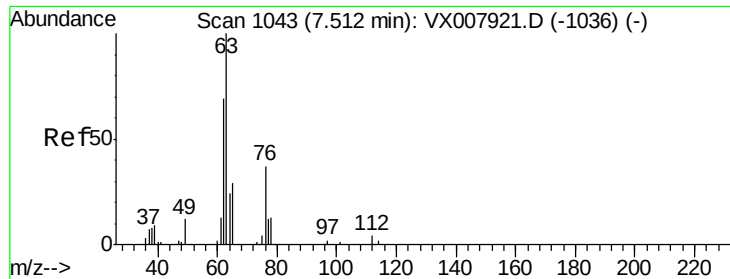
55 84.7 36.0 108.0

98 44.8 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX008159.D (-953) (-)

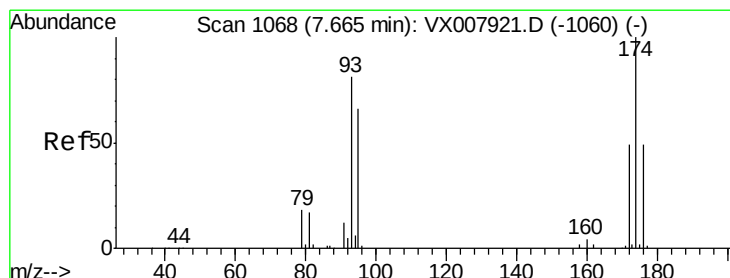
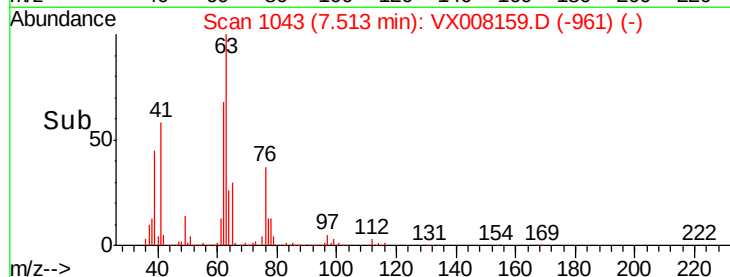
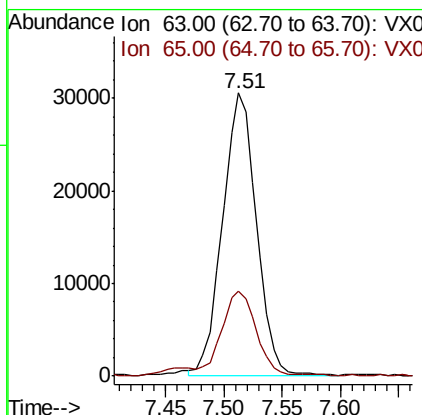
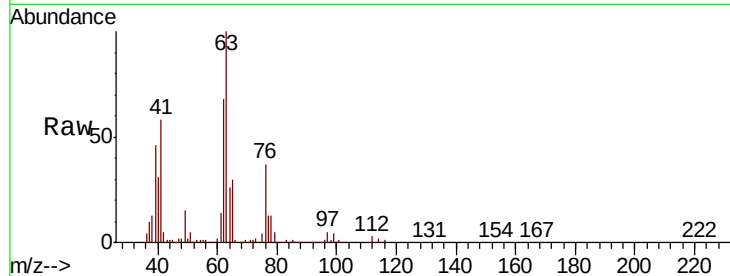




#39
 1,2-Dichloropropane
 Concen: 20.000 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

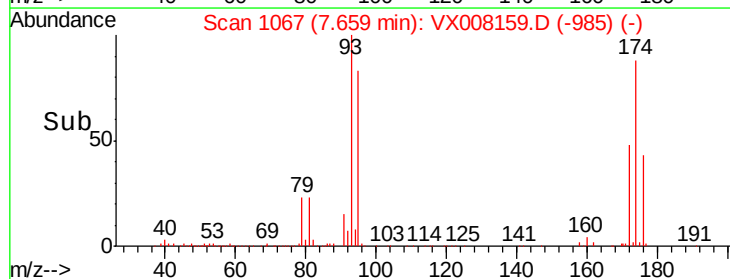
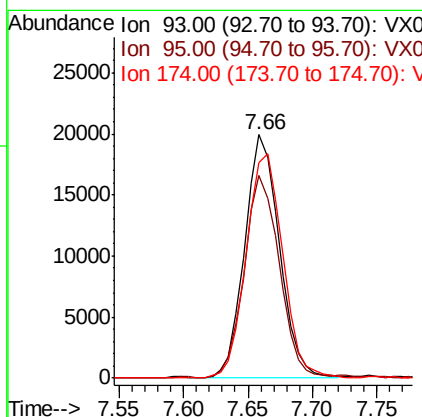
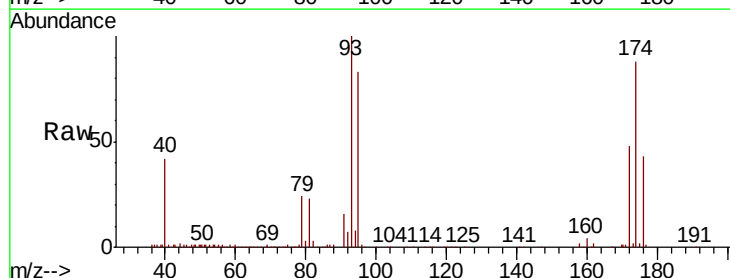
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

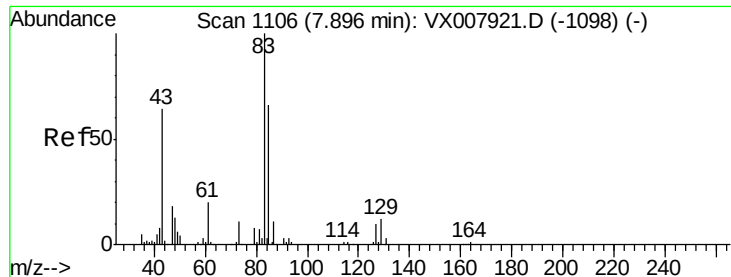
Tgt Ion: 63 Resp: 61043
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 37.0



#40
 Dibromomethane
 Concen: 20.000 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Tgt Ion: 93 Resp: 37312
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 158.8
 174 96.9 0.0 224.2





#41

Bromodichloromethane

Concen: 20.000 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

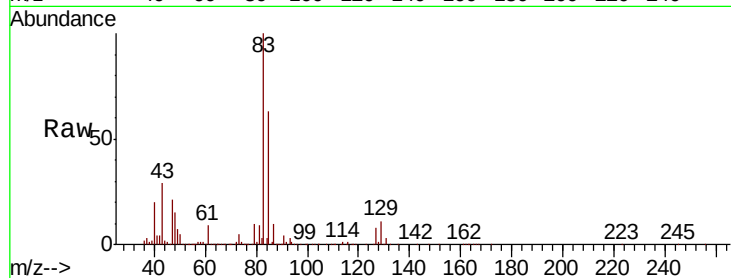
Tgt Ion: 83 Resp: 71700

Ion Ratio Lower Upper

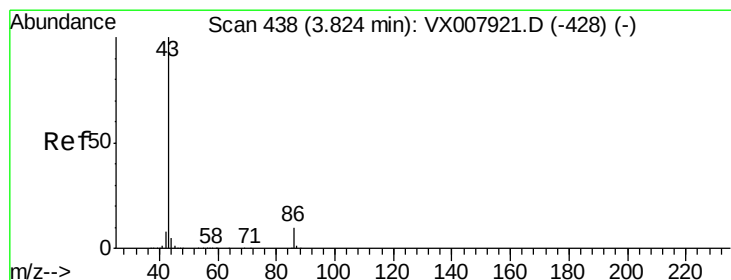
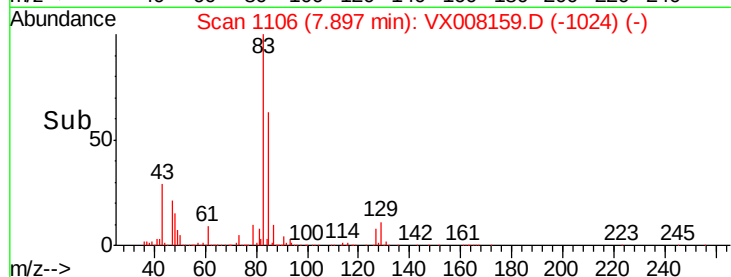
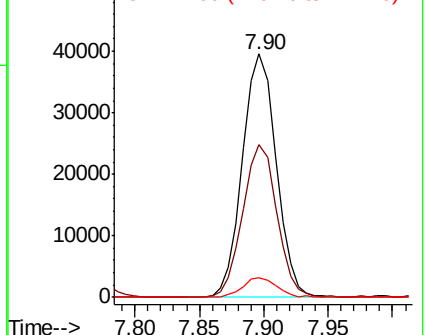
83 100

85 63.0 51.1 76.7

127 8.3 7.2 10.8



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: 100.000 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008159.D

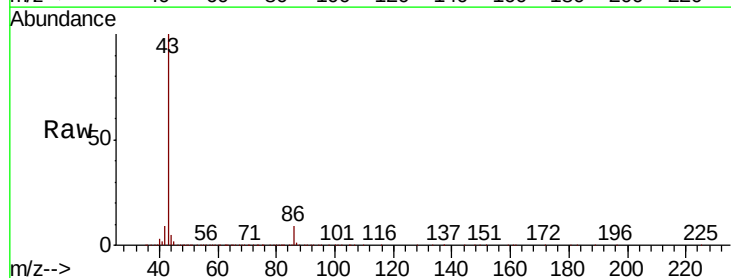
Acq: 18 Mar 2019 10:52

Tgt Ion: 43 Resp: 876306

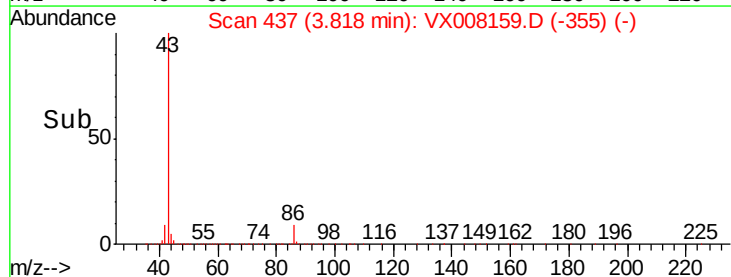
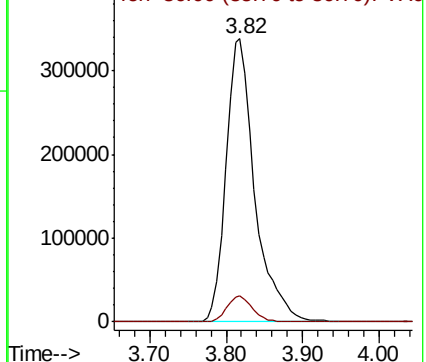
Ion Ratio Lower Upper

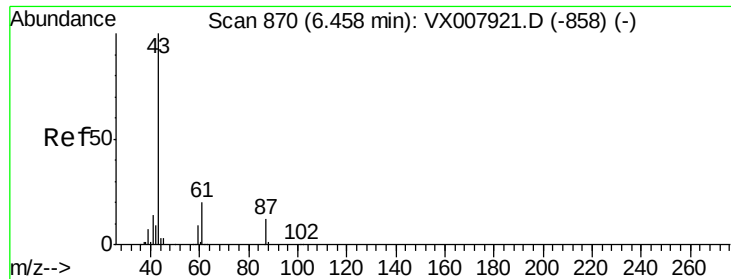
43 100

86 8.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#44

Isopropyl Acetate

Concen: 20.000 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

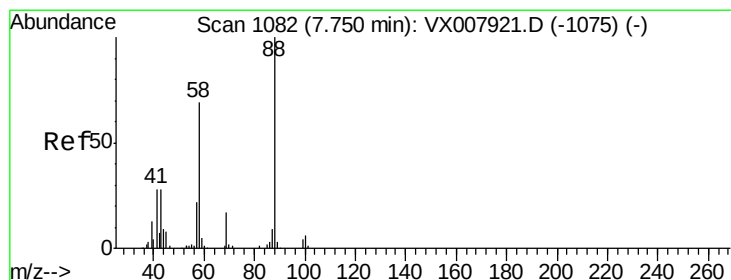
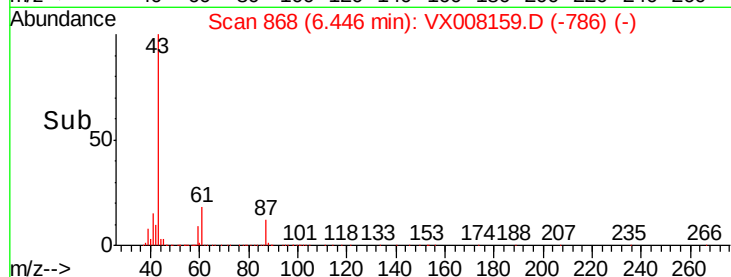
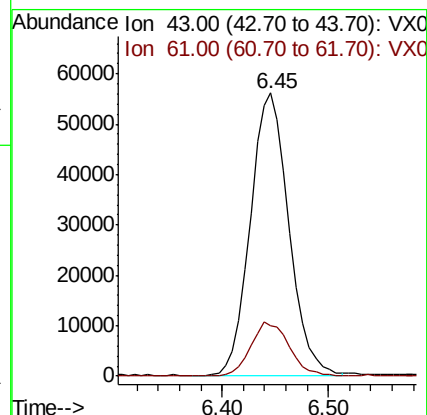
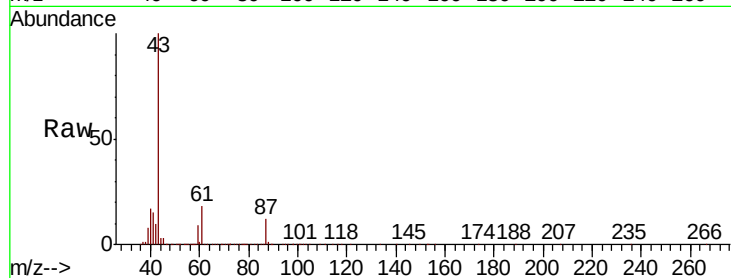
VSTDICCC020

Tgt Ion: 43 Resp: 141791

Ion Ratio Lower Upper

43 100

61 19.0 16.1 24.1



#45

1,4-Dioxane

Concen: 400.000 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

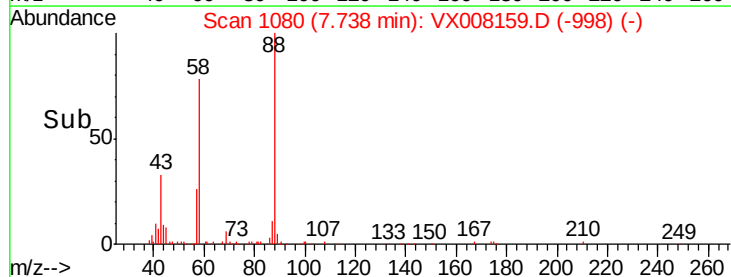
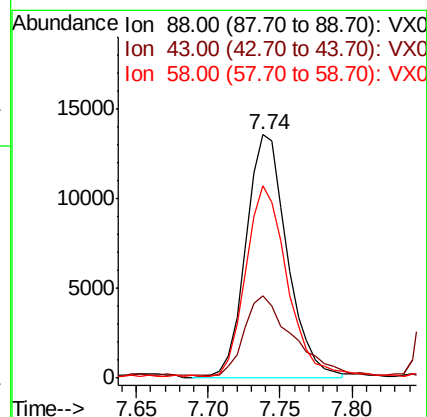
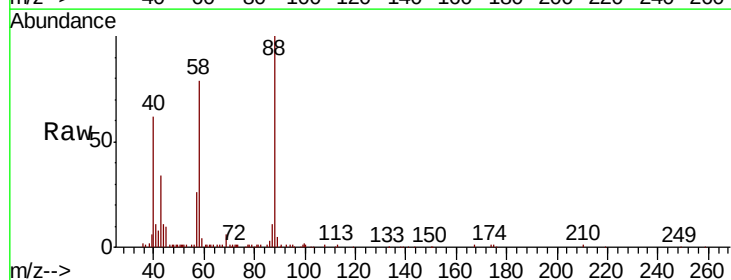
Tgt Ion: 88 Resp: 26999

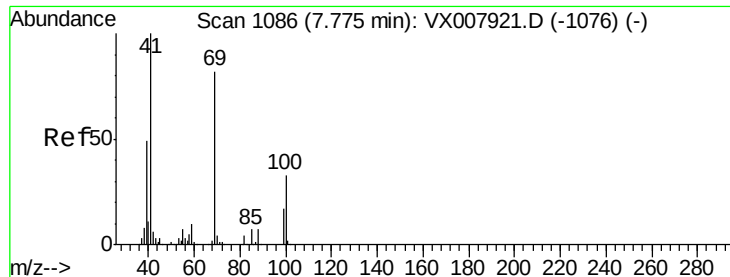
Ion Ratio Lower Upper

88 100

43 36.8 23.6 35.4#

58 78.9 51.6 77.4#

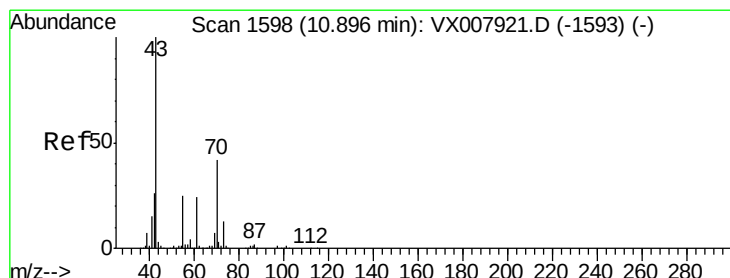
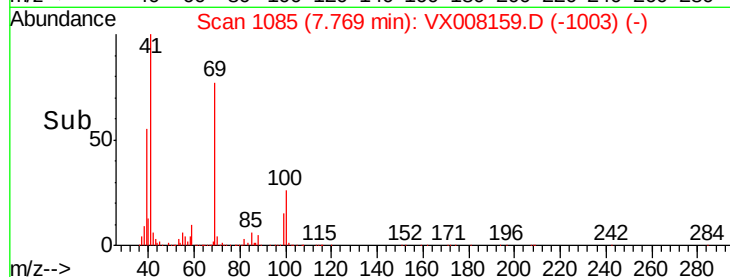
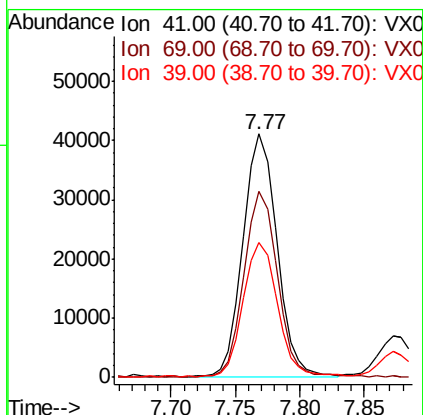
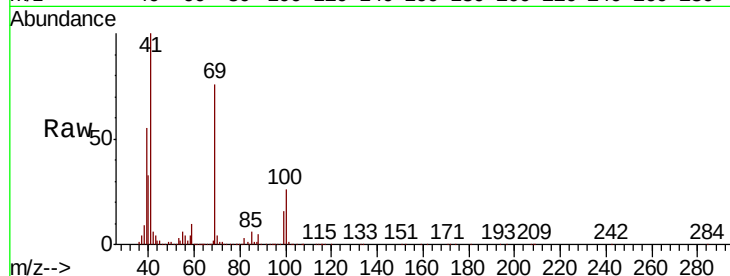




#46
Methyl methacrylate
Concen: 20.000 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

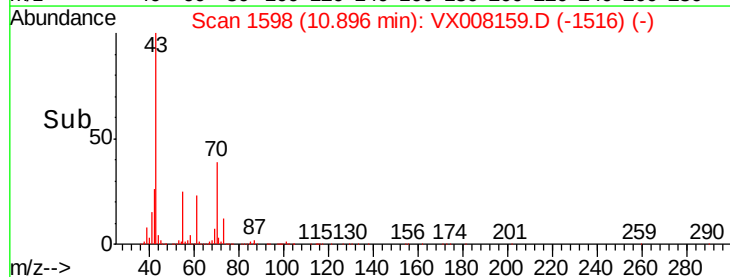
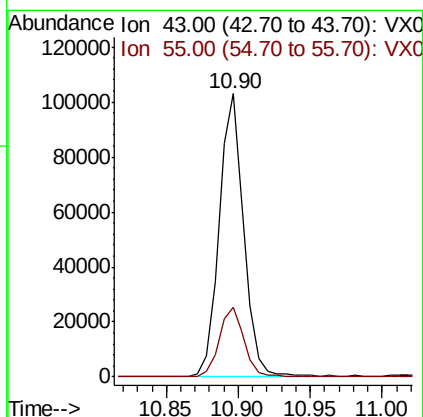
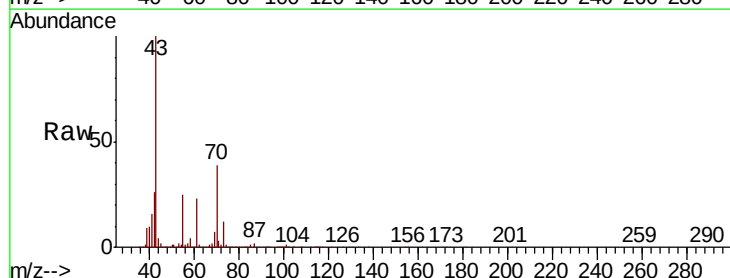
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

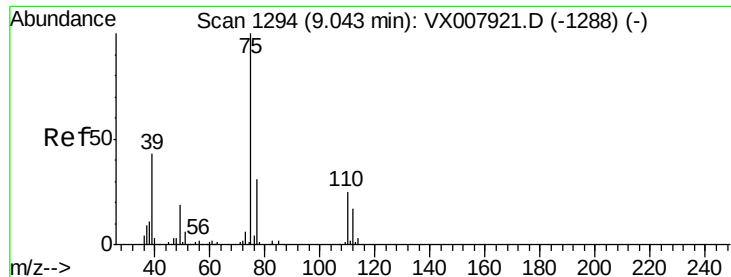
Tgt Ion: 41 Resp: 75273
Ion Ratio Lower Upper
41 100
69 76.1 44.2 132.6
39 55.0 29.9 89.8



#47
n-ethyl acetate
Concen: 20.000 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

Tgt Ion: 43 Resp: 122865
Ion Ratio Lower Upper
43 100
55 24.7 20.8 31.2





#48

t-1,3-Dichloropropene

Concen: 20.000 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

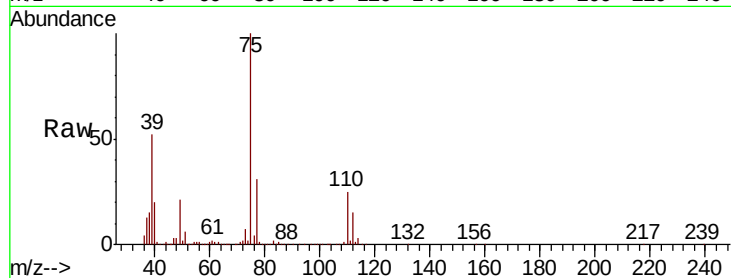
VSTDICCC020

Tgt Ion: 75 Resp: 76104

Ion Ratio Lower Upper

75 100

77 31.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

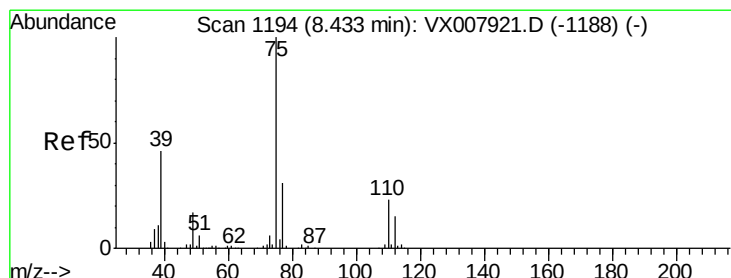
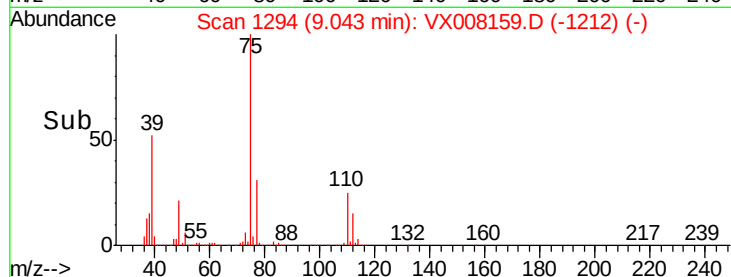
20000

10000

0

9.00 9.05 9.10

Time-->



#49

cis-1,3-Dichloropropene

Concen: 20.000 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

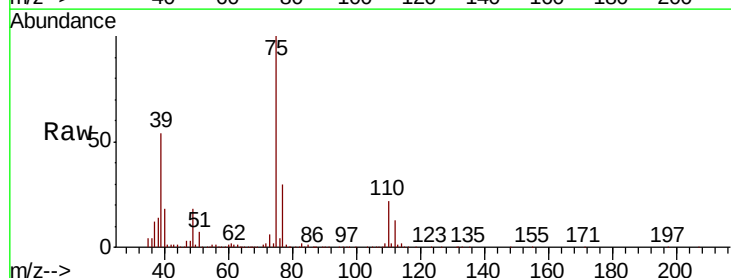
Tgt Ion: 75 Resp: 85543

Ion Ratio Lower Upper

75 100

77 29.9 25.0 37.4

39 53.6 38.5 57.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

60000

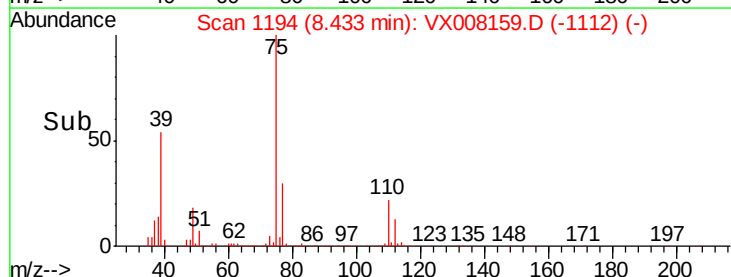
40000

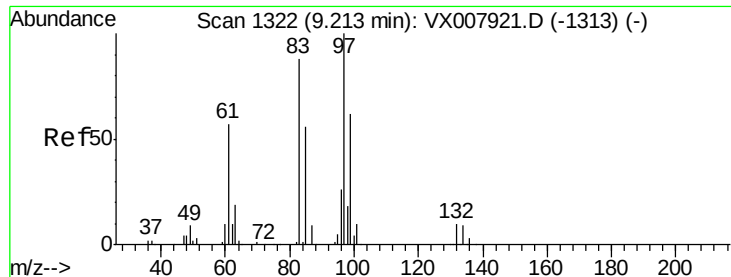
20000

0

8.35 8.40 8.45 8.50

Time-->

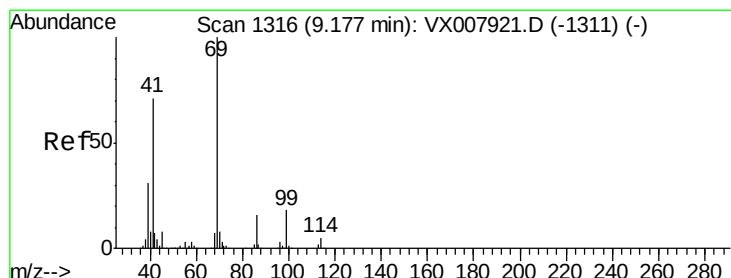
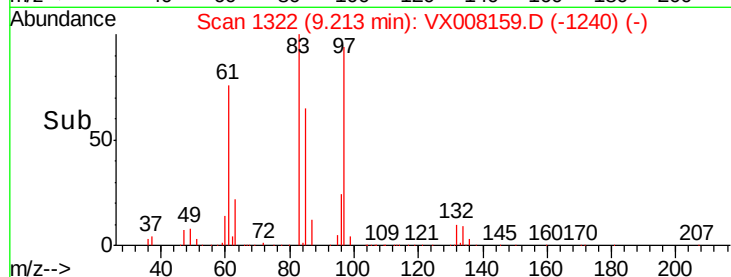
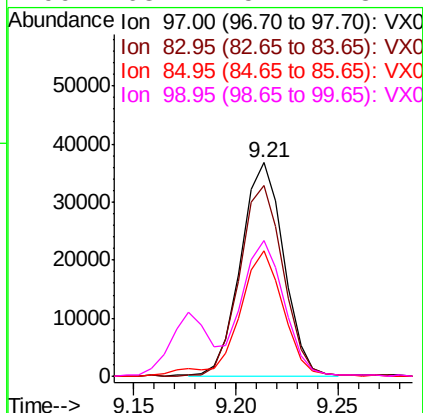
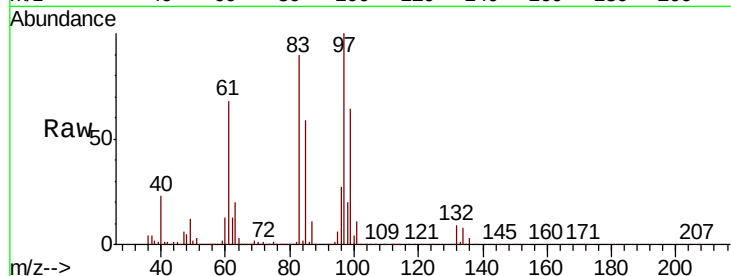




#50
 1,1,2-Trichloroethane
 Concen: 20.000 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

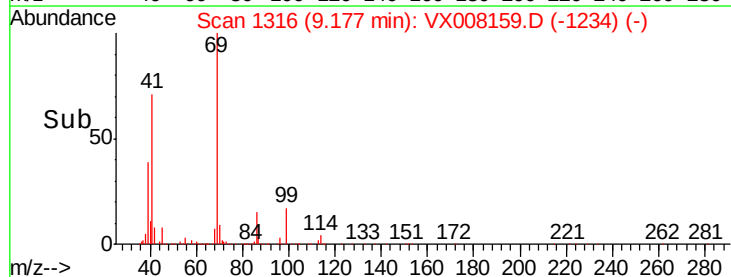
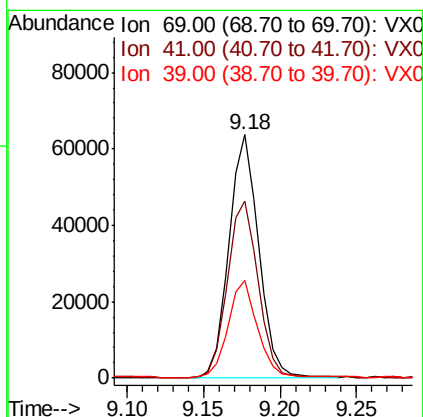
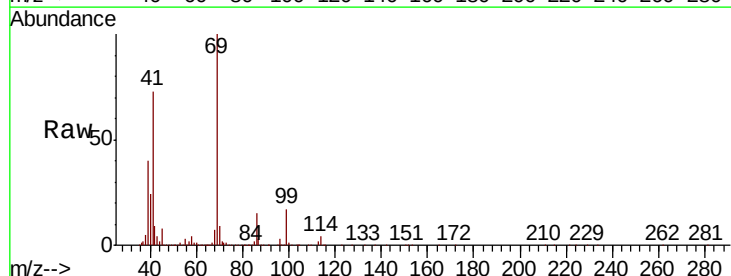
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

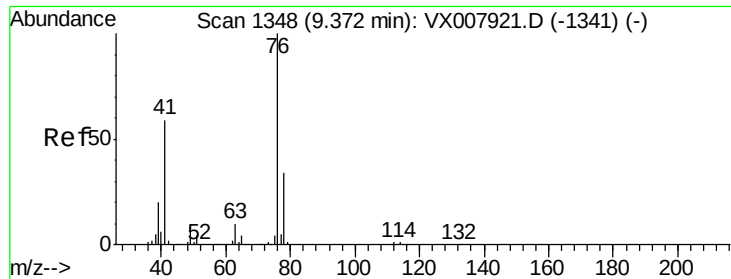
Tgt Ion:	97	Resp:	53698
Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.0	108.0
85	58.7	45.0	67.6
99	63.7	54.2	81.4



#51
 Ethyl methacrylate
 Concen: 20.000 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Tgt Ion:	69	Resp:	85767
Ion	Ratio	Lower	Upper
69	100		
41	72.6	32.1	96.5
39	39.8	18.8	56.3

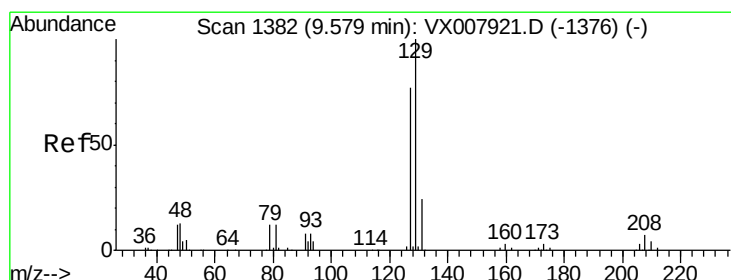
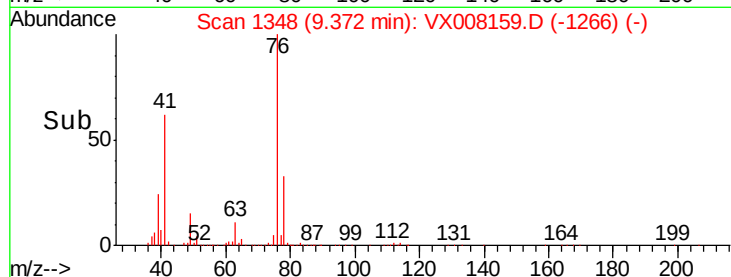
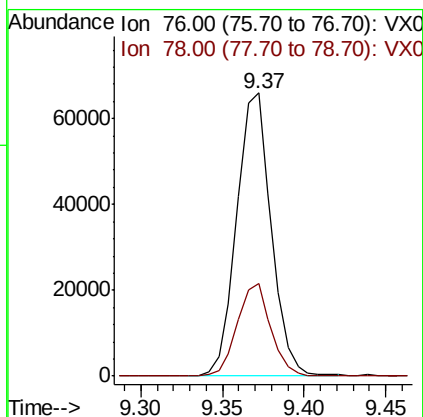
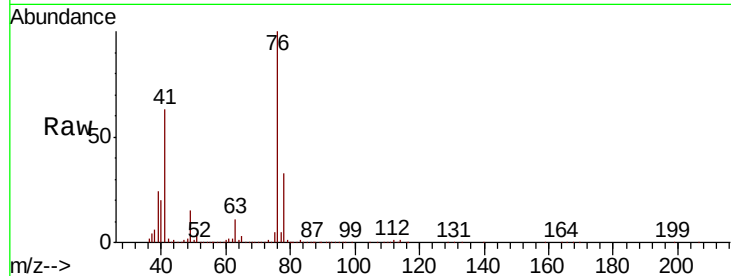




#52
 1,3-Dichloropropane
 Concen: 20.000 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

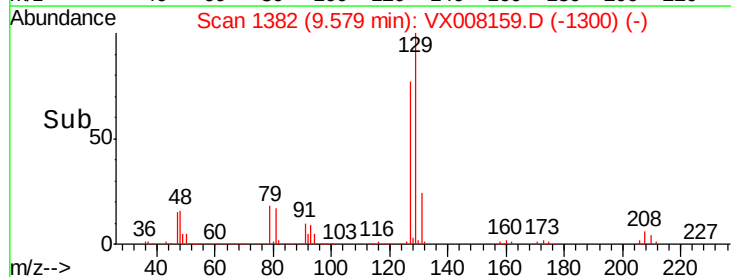
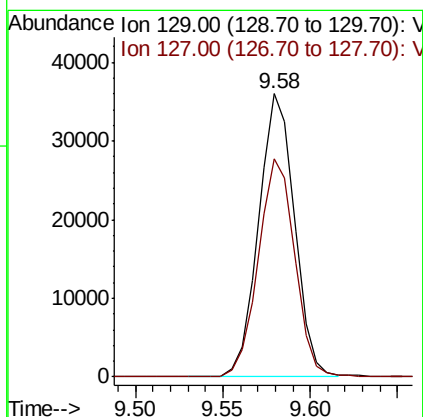
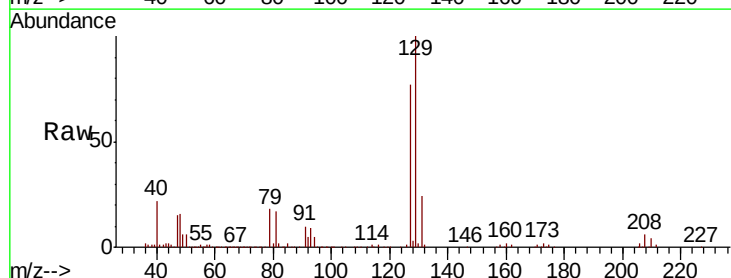
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

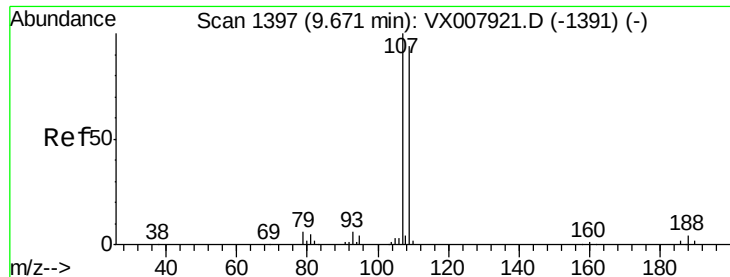
Tgt Ion: 76 Resp: 97702
 Ion Ratio Lower Upper
 76 100
 78 31.4 0.0 65.2



#53
 Dibromochloromethane
 Concen: 20.000 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Tgt Ion: 129 Resp: 51269
 Ion Ratio Lower Upper
 129 100
 127 78.4 38.4 115.2





#54

1,2-Dibromoethane

Concen: 20.000 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

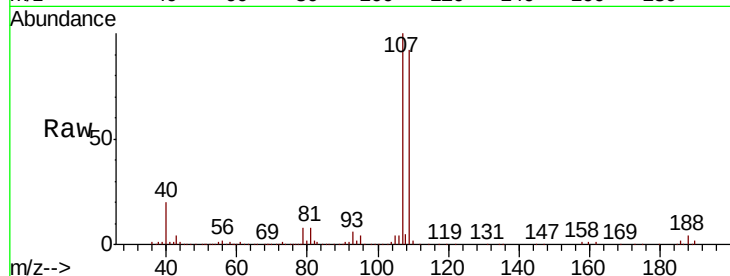
VSTDICCC020

Tgt Ion:107 Resp: 57511

Ion Ratio Lower Upper

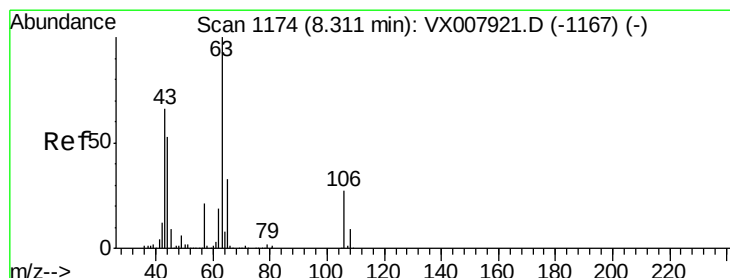
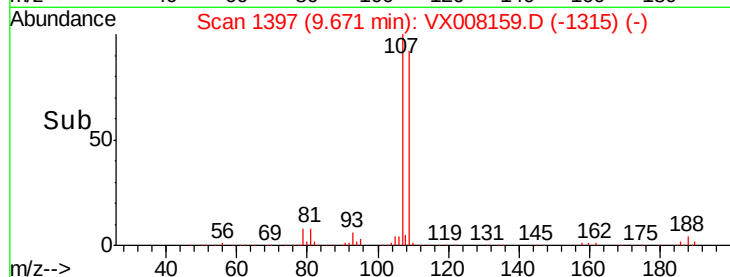
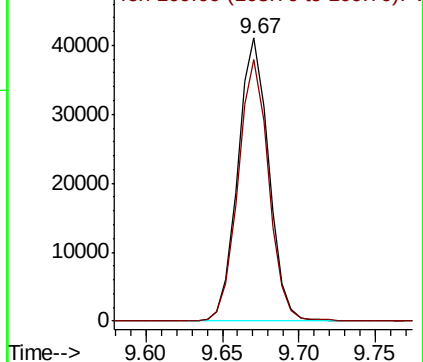
107 100

109 90.9 76.6 115.0



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: 100.000 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

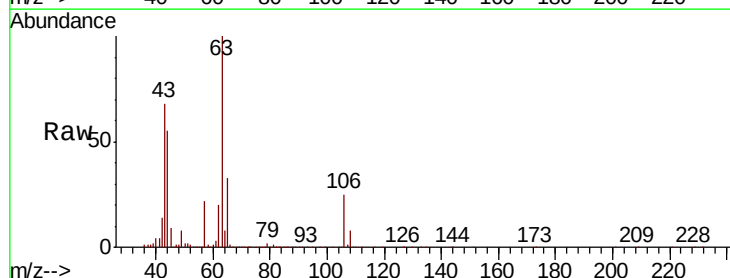
Tgt Ion: 63 Resp: 319991

Ion Ratio Lower Upper

63 100

65 32.1 25.7 38.5

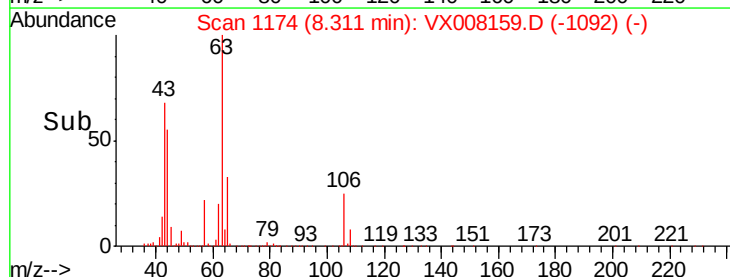
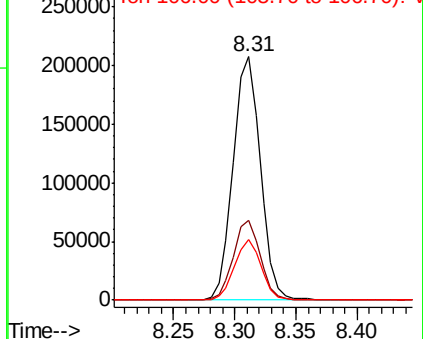
106 24.4 23.7 35.5

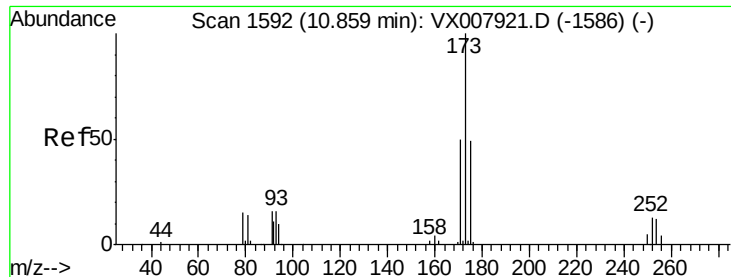


Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

Ion 106.00 (105.70 to 106.70): V





#56

Bromoform

Concen: 20.000 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

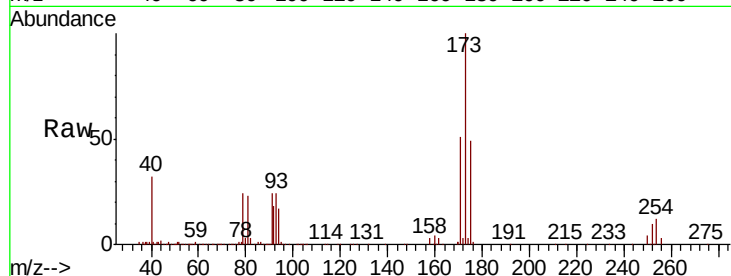
Tgt Ion:173 Resp: 36355

Ion Ratio Lower Upper

173 100

175 49.7 38.5 57.7

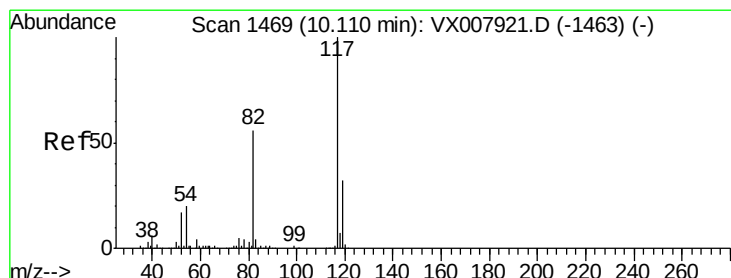
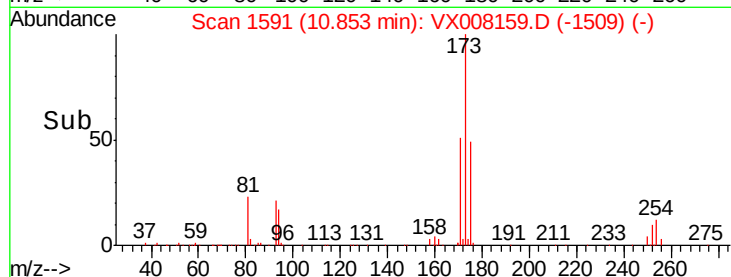
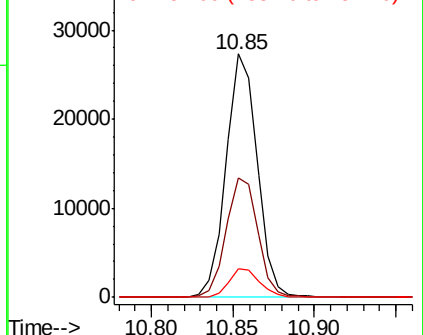
254 11.7 7.4 11.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

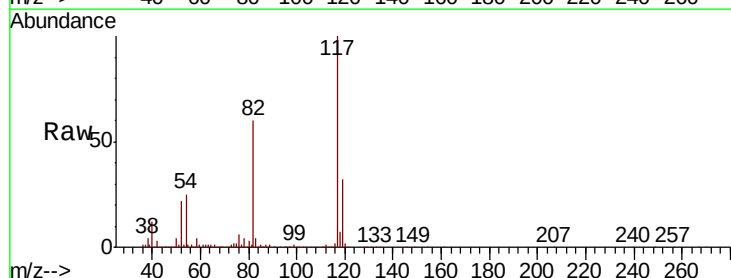
Tgt Ion:117 Resp: 257028

Ion Ratio Lower Upper

117 100

82 59.5 40.4 60.6

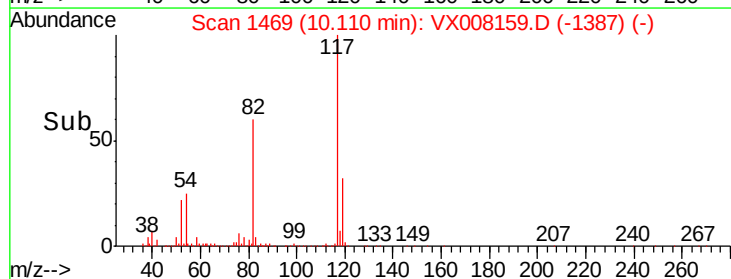
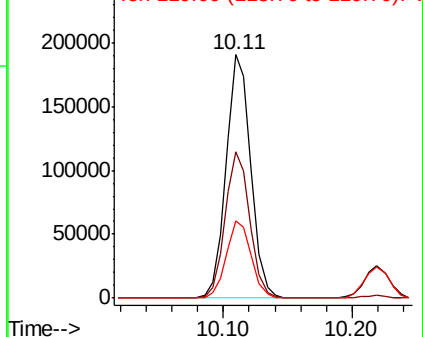
119 31.9 25.8 38.6

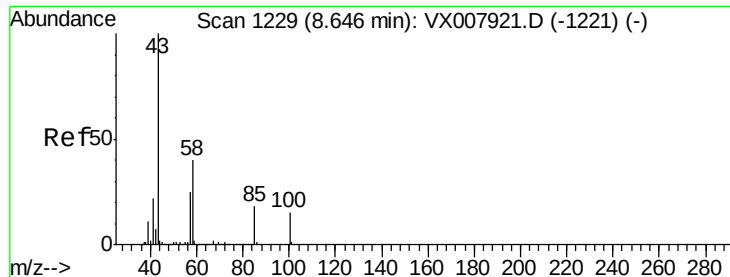


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

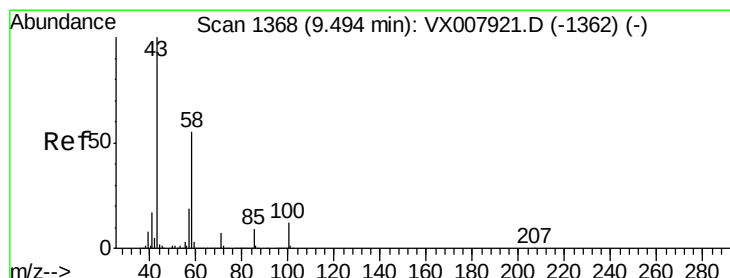
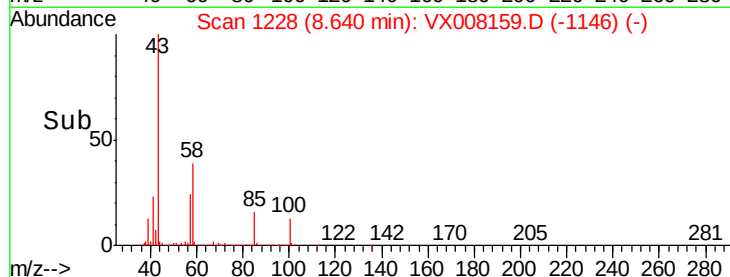
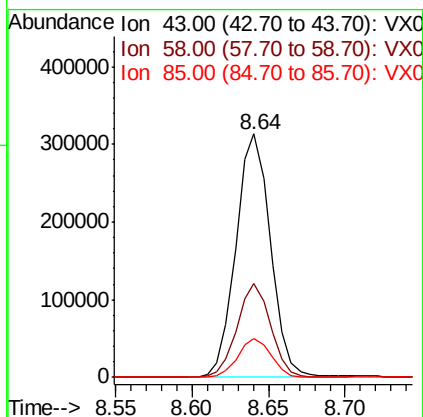
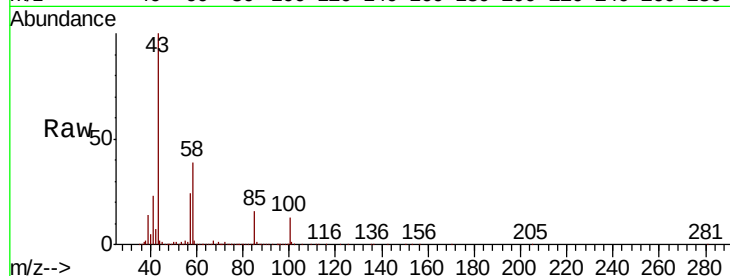




#58
4-Methyl-2-Pentanone
Concen: 100.000 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

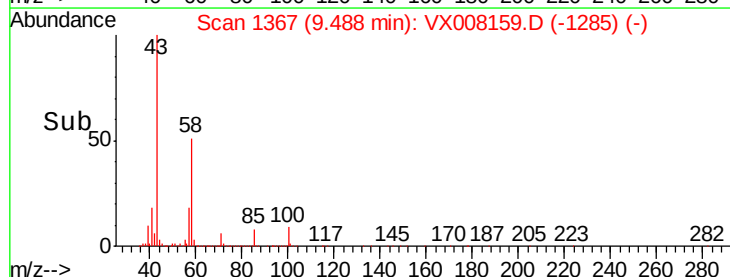
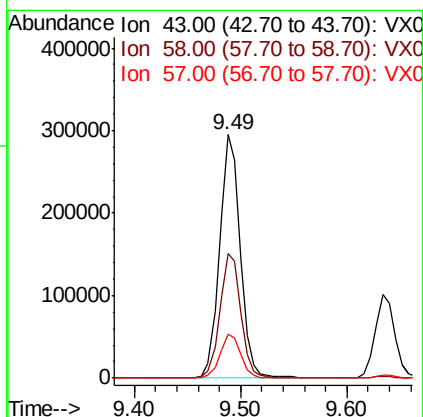
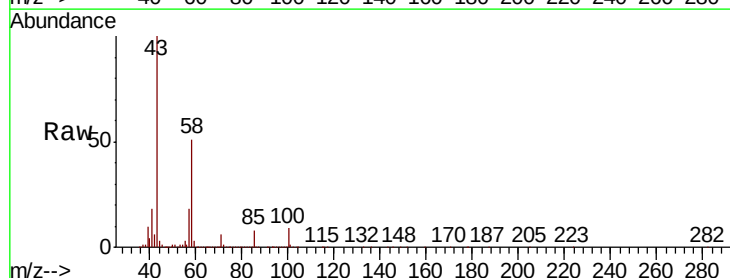
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

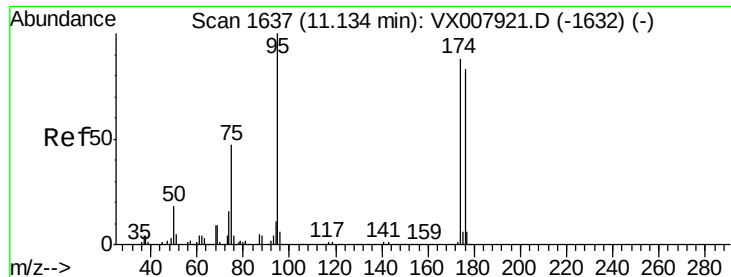
Tgt Ion: 43 Resp: 489269
Ion Ratio Lower Upper
43 100
58 37.4 31.4 47.0
85 15.4 15.0 22.6



#59
2-Hexanone
Concen: 100.000 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

Tgt Ion: 43 Resp: 398680
Ion Ratio Lower Upper
43 100
58 51.5 43.9 65.9
57 17.8 14.9 22.3





#60

4-Bromofluorobenzene

Concen: 30.000 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

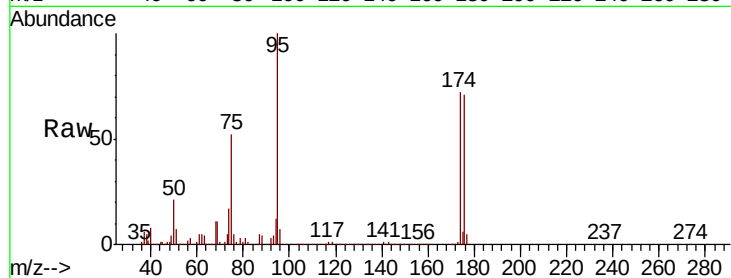
Tgt Ion: 95 Resp: 129663

Ion Ratio Lower Upper

95 100

174 76.1 74.9 112.3

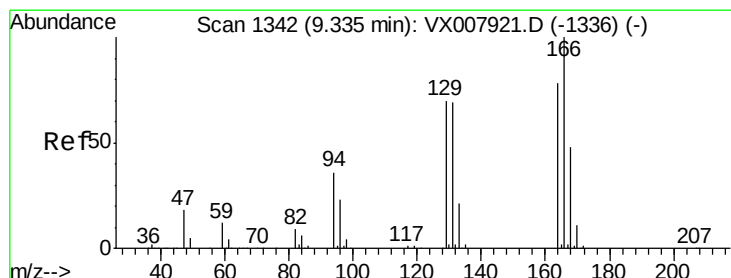
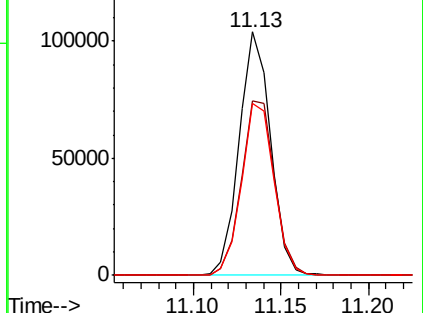
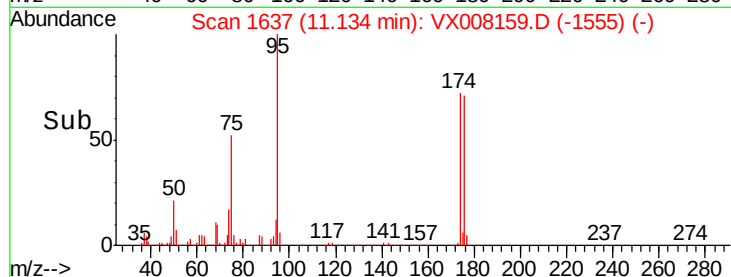
176 73.5 70.7 106.1



Abundance Ion 95.00 (94.70 to 95.70): VX008159.D (-1555) (-)

Ion 174.00 (173.70 to 174.70): VX008159.D (-1555) (-)

Ion 176.00 (175.70 to 176.70): VX008159.D (-1555) (-)



#61

Tetrachloroethene

Concen: 20.000 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Tgt Ion: 164 Resp: 50631

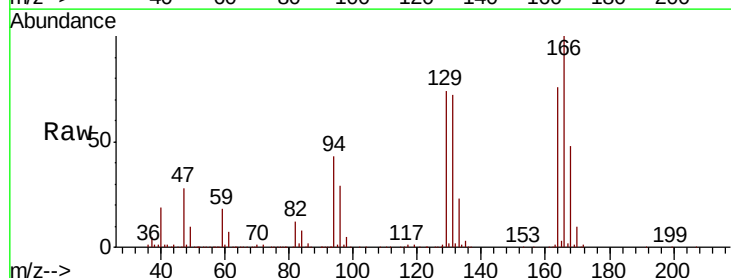
Ion Ratio Lower Upper

164 100

166 131.1 103.9 155.9

129 97.0 74.7 112.1

131 93.5 71.7 107.5

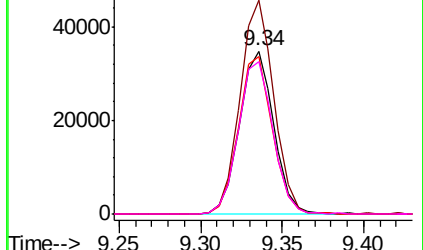
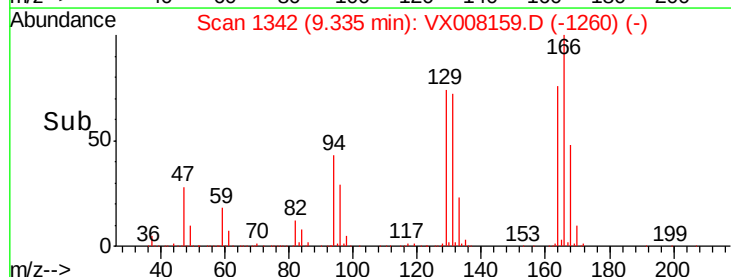


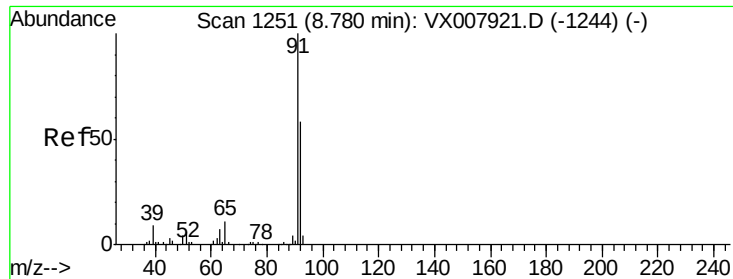
Abundance Ion 163.85 (163.55 to 164.55): VX008159.D (-1260) (-)

Ion 165.80 (165.50 to 166.50): VX008159.D (-1260) (-)

Ion 128.90 (128.60 to 129.60): VX008159.D (-1260) (-)

Ion 130.90 (130.60 to 131.60): VX008159.D (-1260) (-)





#62

Toluene

Concen: 20.000 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

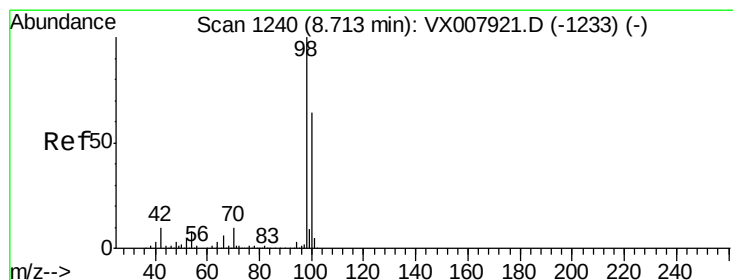
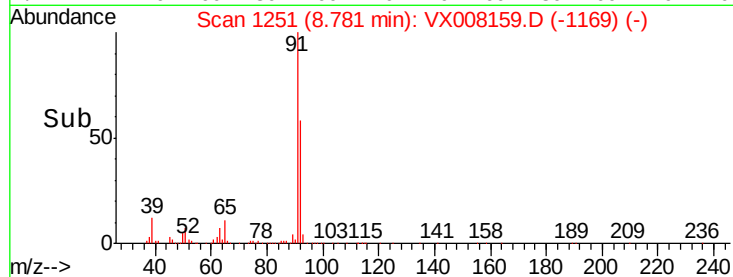
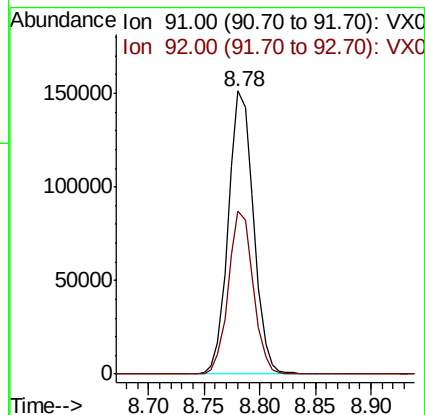
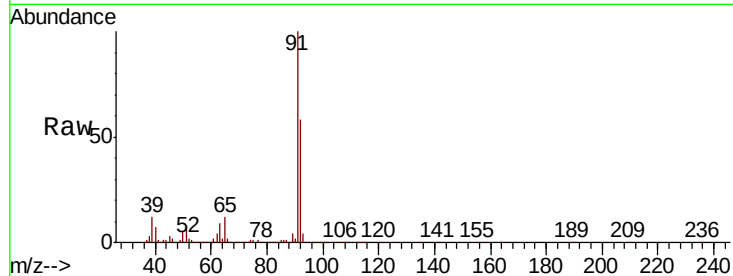
VSTDICCC020

Tgt Ion: 91 Resp: 236150

Ion Ratio Lower Upper

91 100

92 57.1 46.4 69.6



#63

Toluene-d8

Concen: 30.000 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008159.D

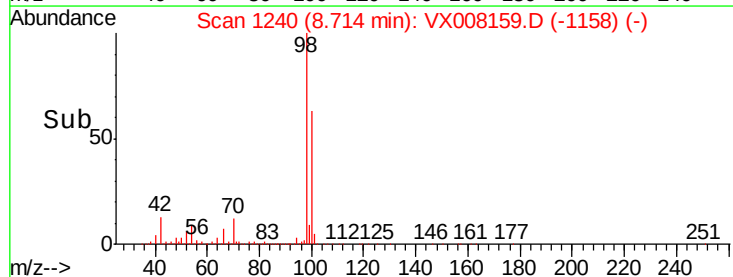
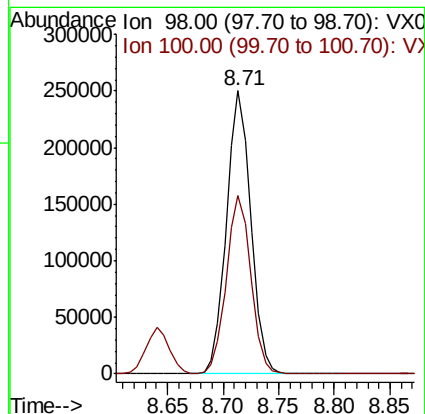
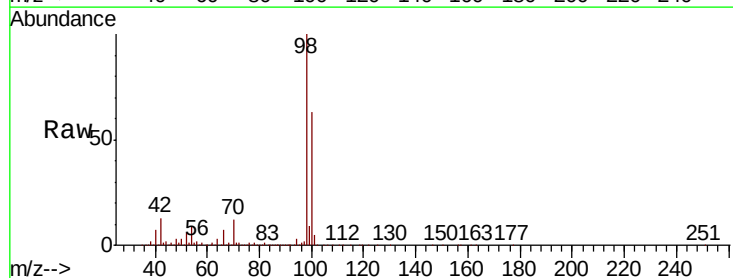
Acq: 18 Mar 2019 10:52

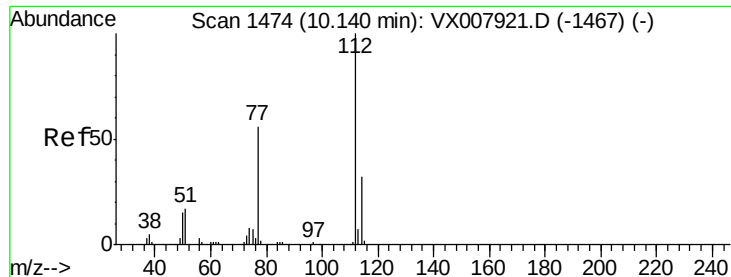
Tgt Ion: 98 Resp: 378318

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3





#64

Chlorobenzene

Concen: 20.000 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

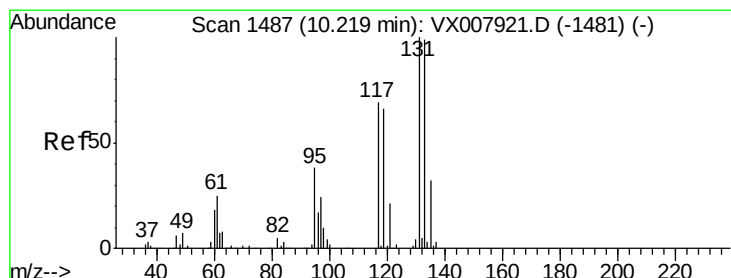
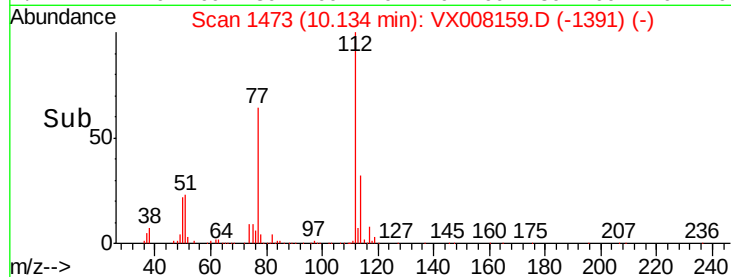
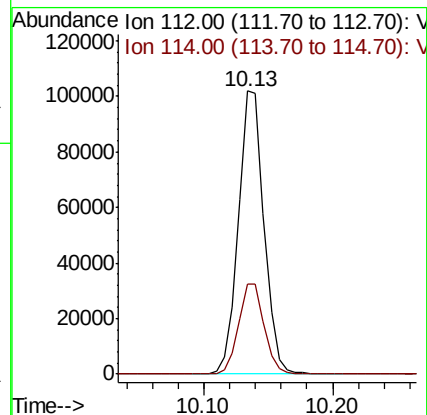
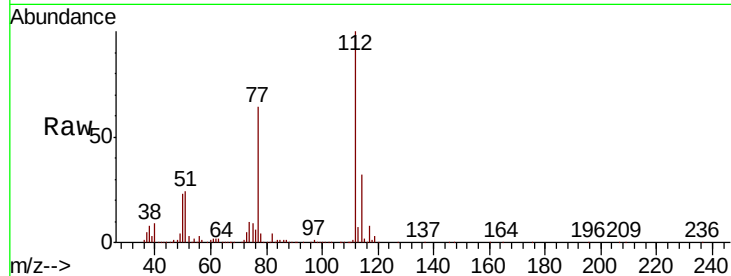
VSTDICCC020

Tgt Ion:112 Resp: 141278

Ion Ratio Lower Upper

112 100

114 31.6 25.4 38.2



#65

1,1,1,2-Tetrachloroethane

Concen: 20.000 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

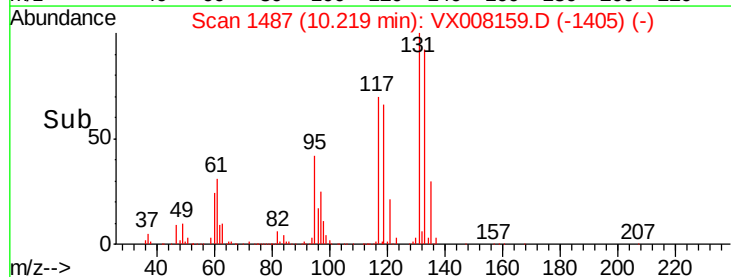
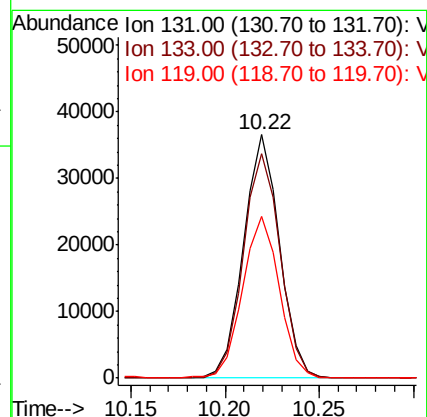
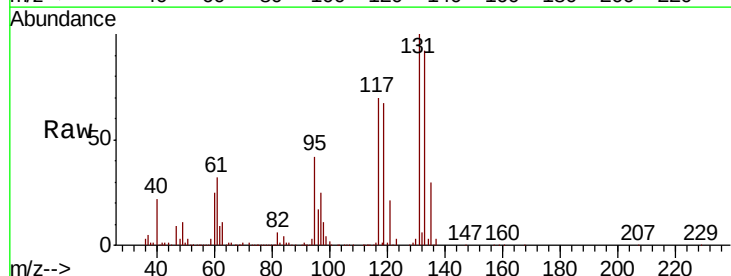
Tgt Ion:131 Resp: 48514

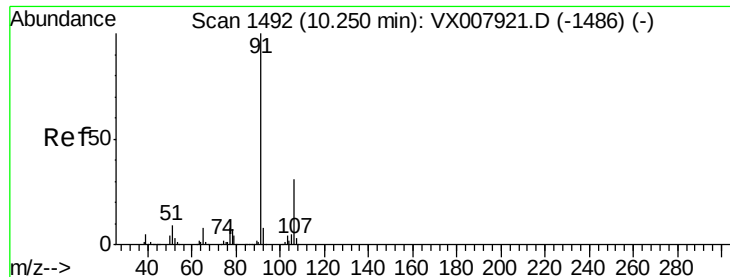
Ion Ratio Lower Upper

131 100

133 94.7 0.0 191.6

119 68.0 0.0 127.4





#66

Ethyl Benzene

Concen: 20.000 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

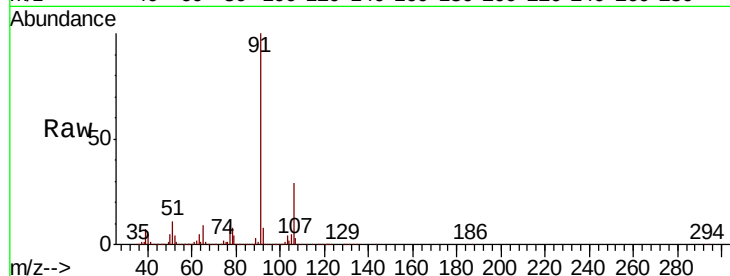
VSTDICCC020

Tgt Ion: 91 Resp: 248515

Ion Ratio Lower Upper

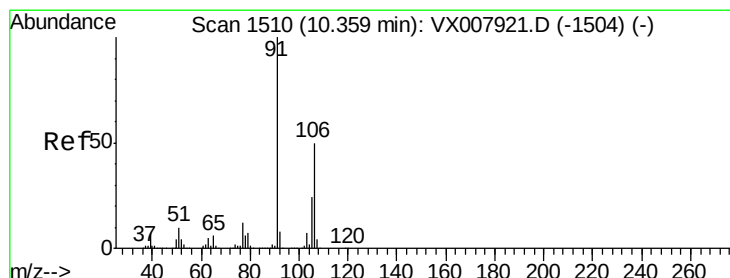
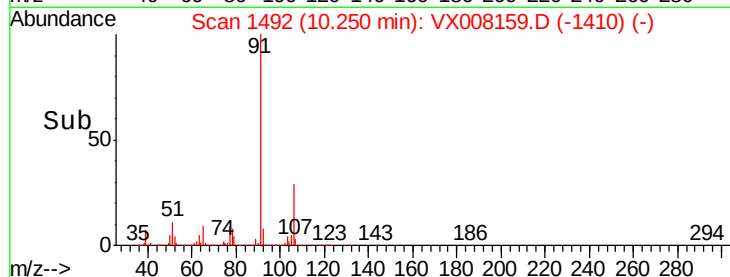
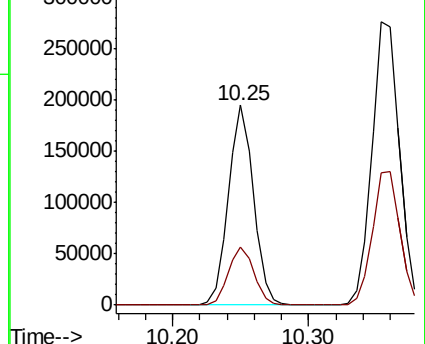
91 100

106 29.2 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX008159.D (-1410) (-)

Ion 106.00 (105.70 to 106.70): VX008159.D (-1410) (-)



#67

m/p-Xylenes

Concen: 40.000 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008159.D

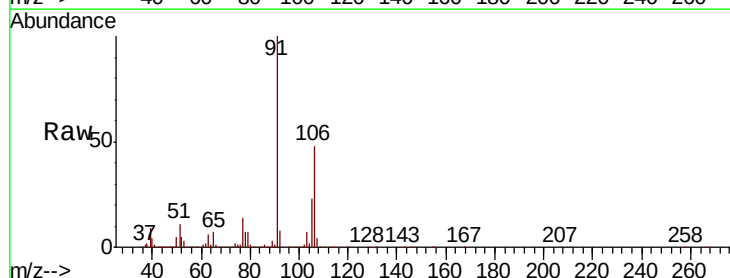
Acq: 18 Mar 2019 10:52

Tgt Ion: 106 Resp: 183736

Ion Ratio Lower Upper

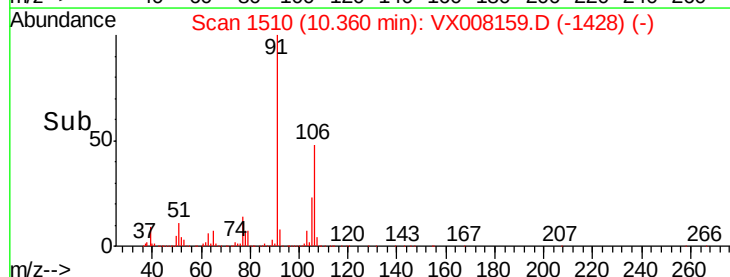
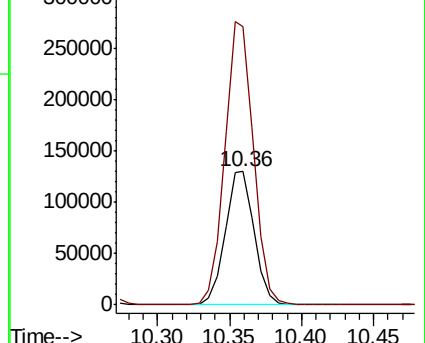
106 100

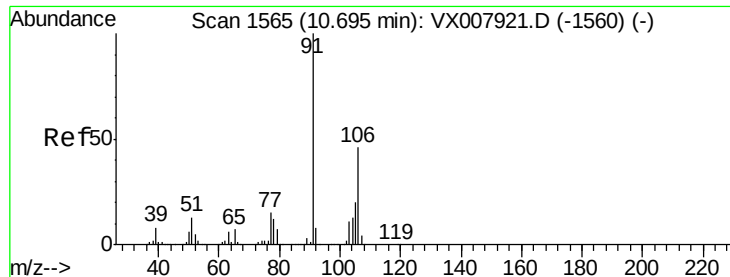
91 209.5 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): VX008159.D (-1428) (-)

Ion 91.00 (90.70 to 91.70): VX008159.D (-1428) (-)

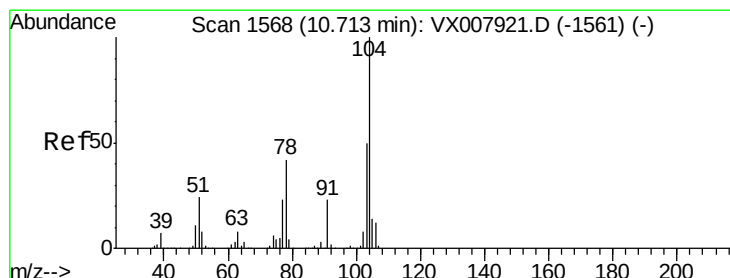
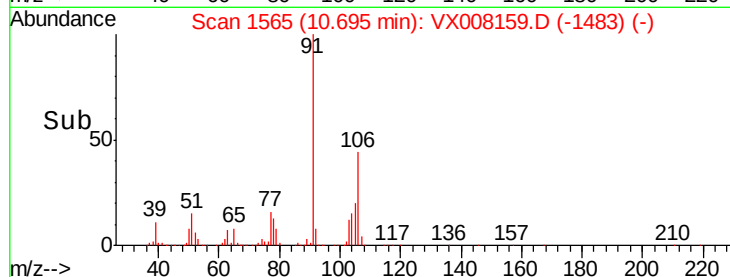
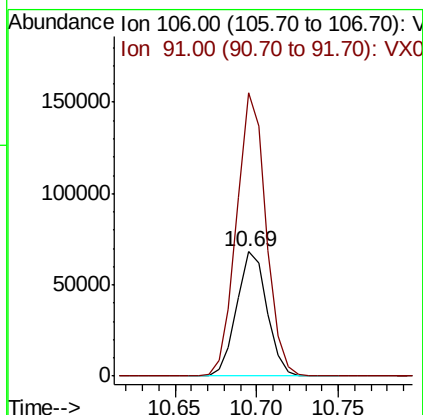
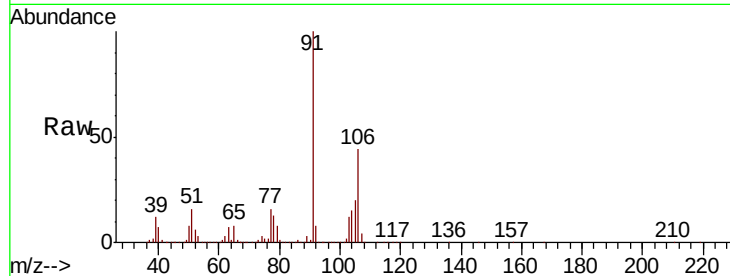




#68
o-Xylene
Concen: 20.000 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

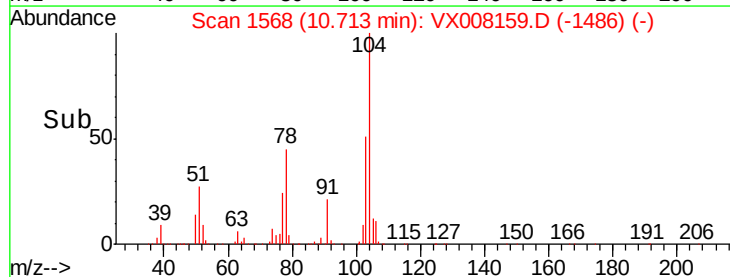
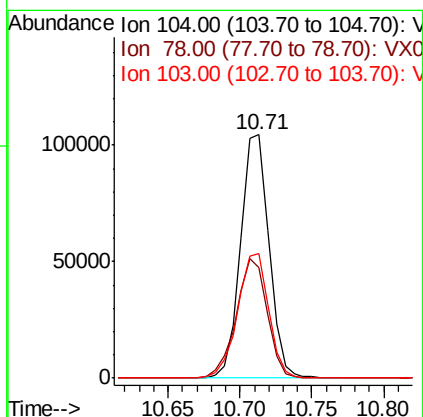
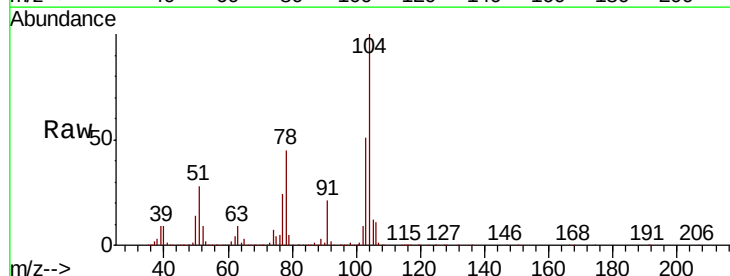
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

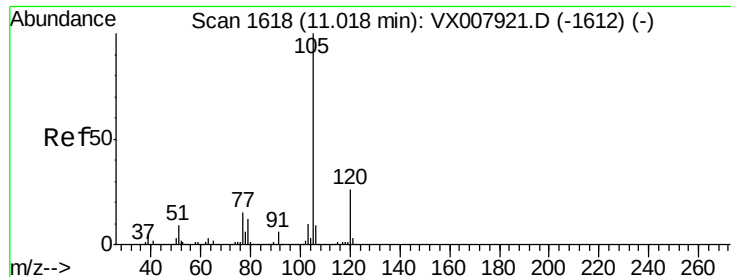
Tgt Ion:106 Resp: 88656
Ion Ratio Lower Upper
106 100
91 220.6 104.4 313.2



#69
Styrene
Concen: 20.000 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

Tgt Ion:104 Resp: 143948
Ion Ratio Lower Upper
104 100
78 53.1 38.2 57.2
103 55.8 45.0 67.4





#70

Isopropylbenzene

Concen: 20.000 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

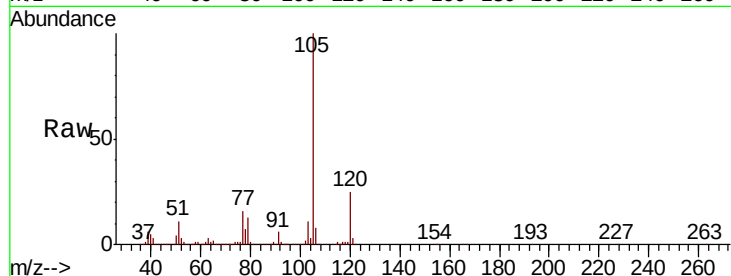
VSTDICCC020

Tgt Ion:105 Resp: 239172

Ion Ratio Lower Upper

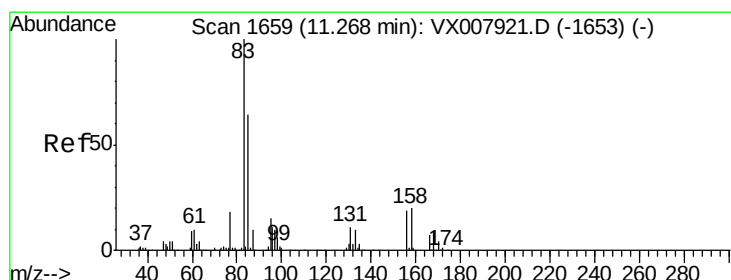
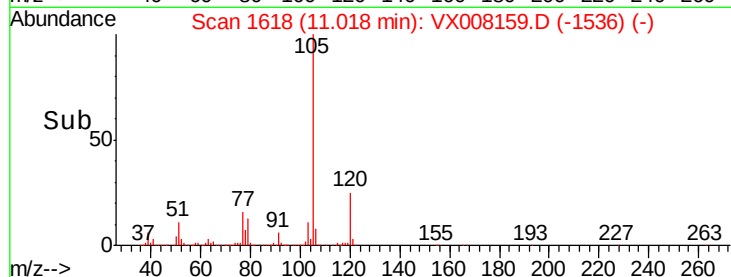
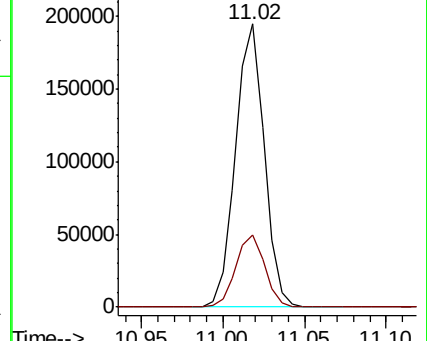
105 100

120 25.7 19.8 36.8



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: 20.000 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

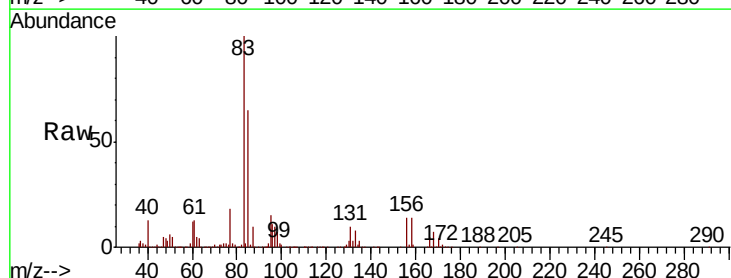
Tgt Ion: 83 Resp: 87218

Ion Ratio Lower Upper

83 100

131 9.6 5.4 16.2

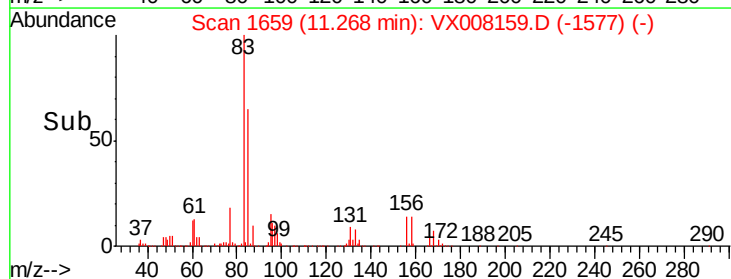
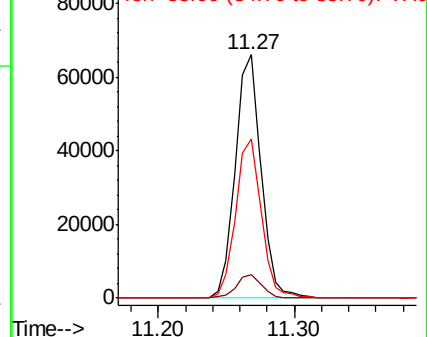
85 65.2 32.8 98.4

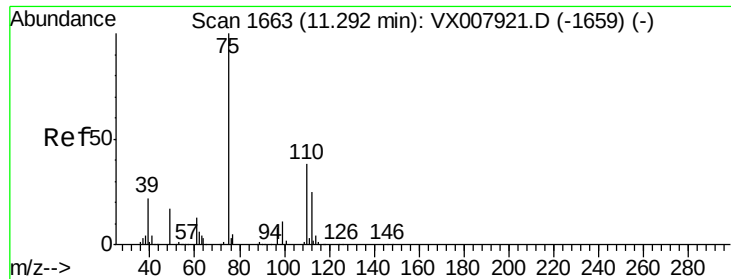


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0





#72

1,2,3-Trichloropropane

Concen: 26.746 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

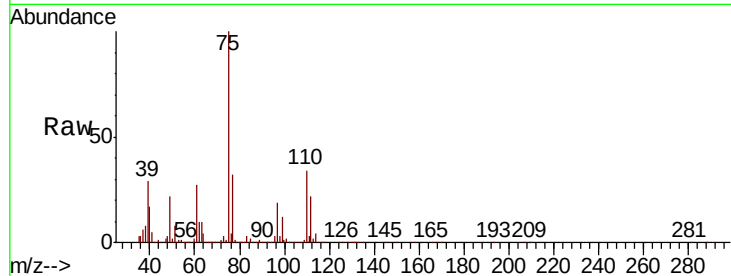
VSTDICCC020

Tgt Ion: 75 Resp: 102112

Ion Ratio Lower Upper

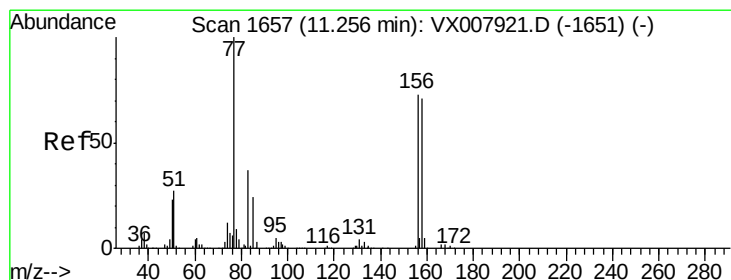
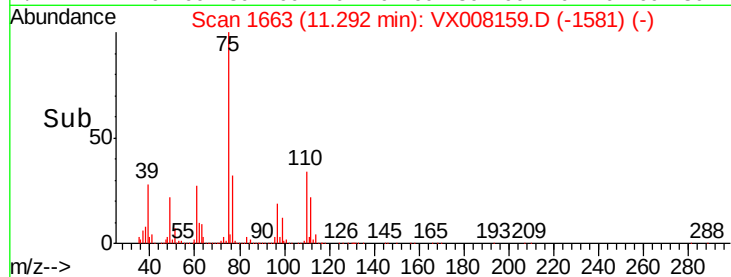
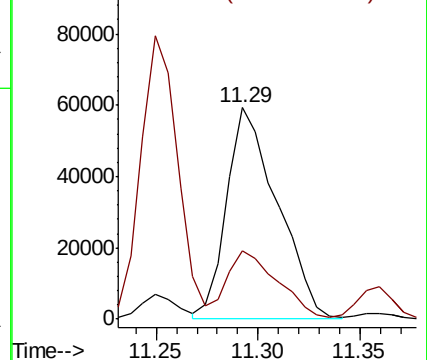
75 100

77 32.2 0.0 76.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#73

Bromobenzene

Concen: 20.000 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

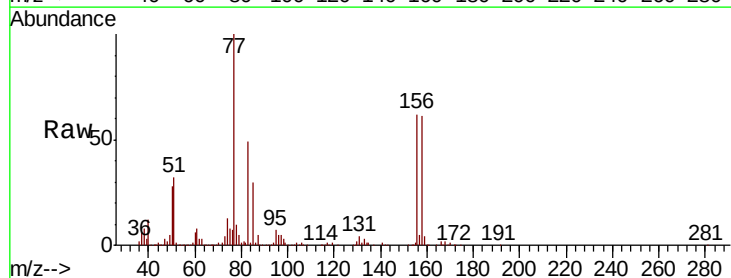
Tgt Ion: 156 Resp: 56431

Ion Ratio Lower Upper

156 100

77 176.8 0.0 271.4

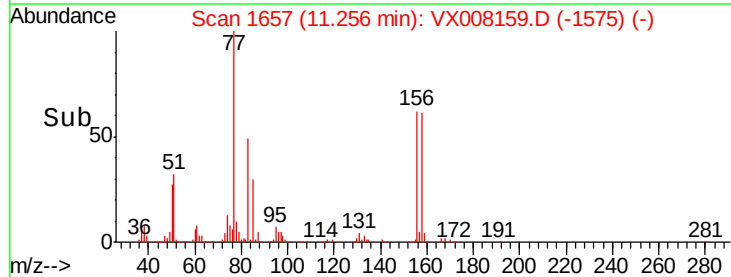
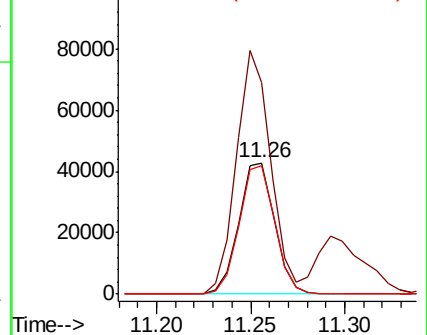
158 97.5 0.0 194.0

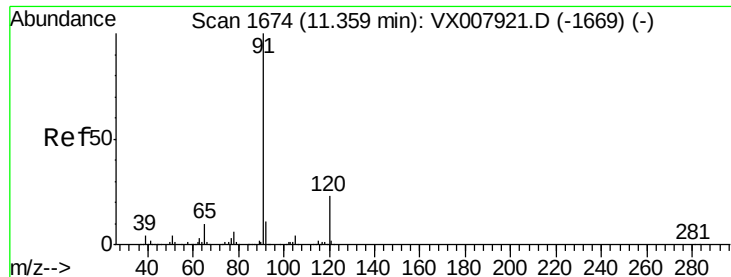


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 20.000 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

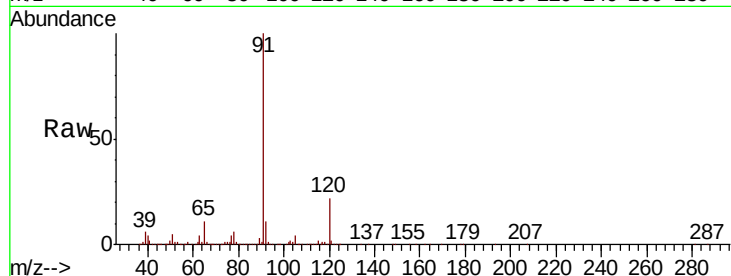
VSTDICCC020

Tgt Ion: 91 Resp: 278913

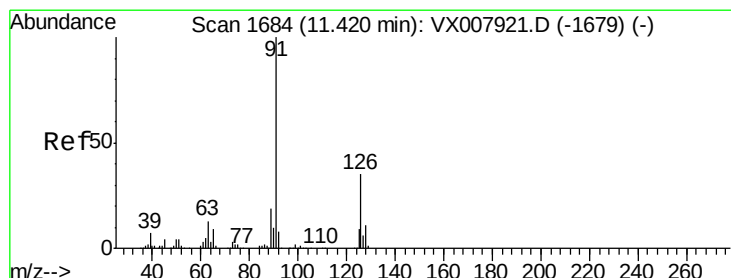
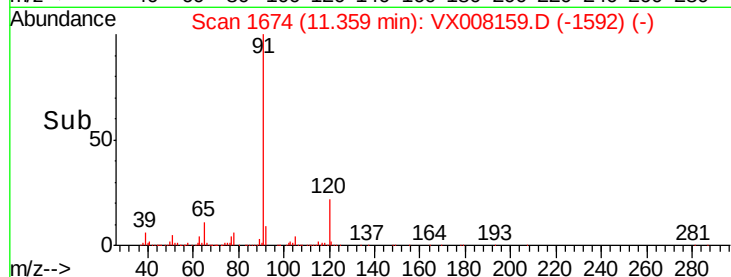
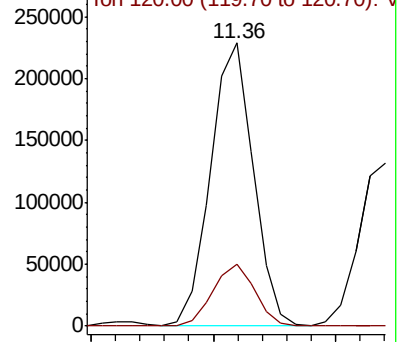
Ion Ratio Lower Upper

91 100

120 21.6 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX008159.D (-1592) (-)



#75

2-Chlorotoluene

Concen: 20.000 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008159.D

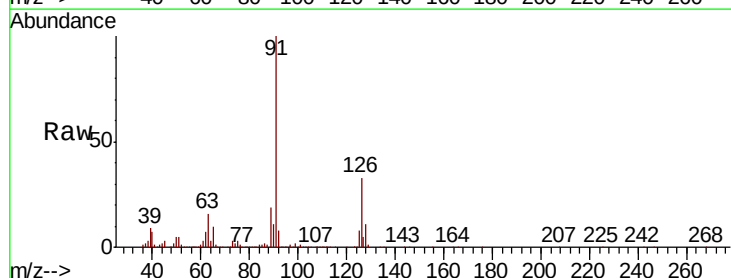
Acq: 18 Mar 2019 10:52

Tgt Ion: 91 Resp: 167610

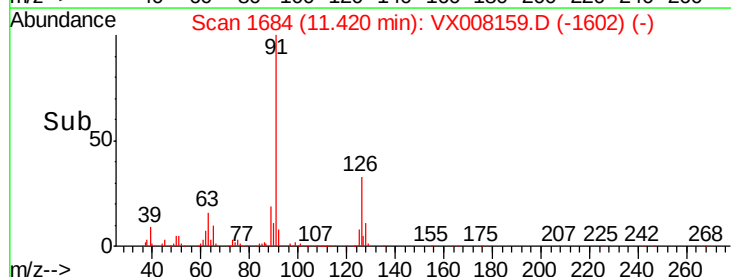
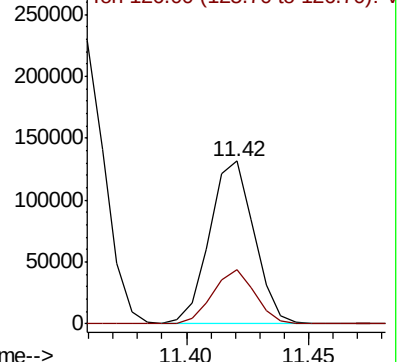
Ion Ratio Lower Upper

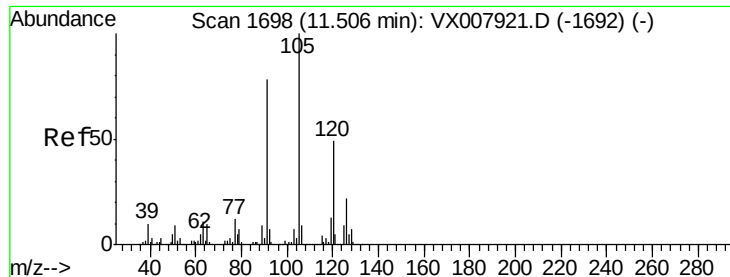
91 100

126 31.5 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX008159.D (-1602) (-)





#76

1,3,5-Trimethylbenzene

Concen: 20.000 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

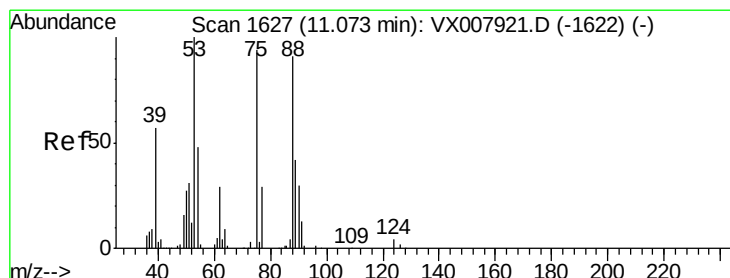
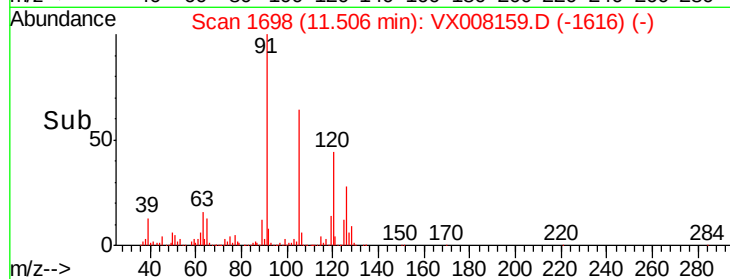
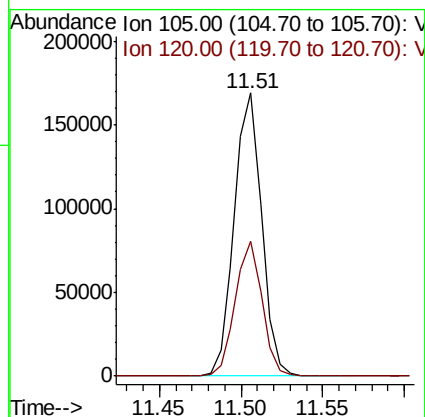
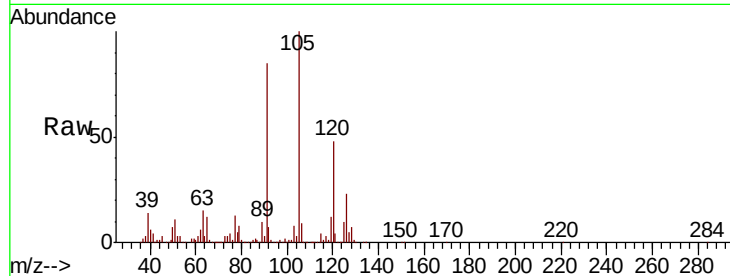
VSTDICCC020

Tgt Ion: 105 Resp: 197523

Ion Ratio Lower Upper

105 100

120 47.0 0.0 101.0



#77

t-1,4-Dichloro-2-butene

Concen: 20.000 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

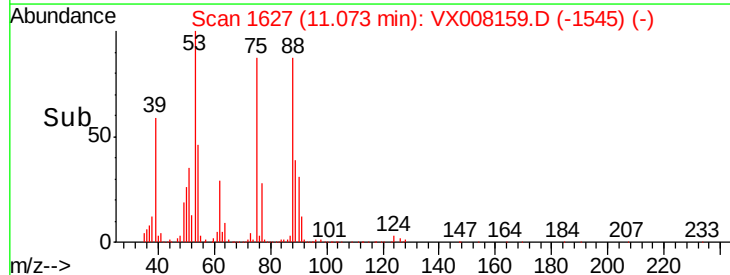
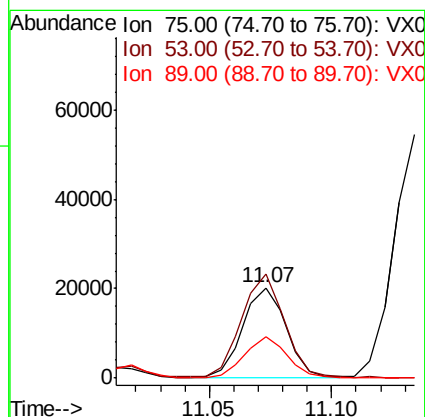
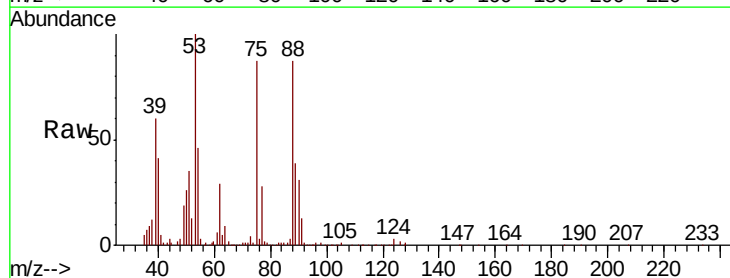
Tgt Ion: 75 Resp: 24944

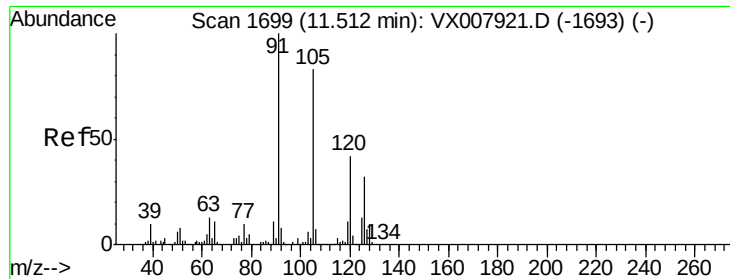
Ion Ratio Lower Upper

75 100

53 114.4 55.5 166.7

89 44.8 24.4 73.2

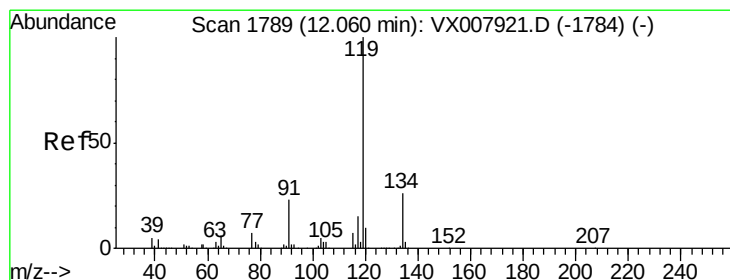
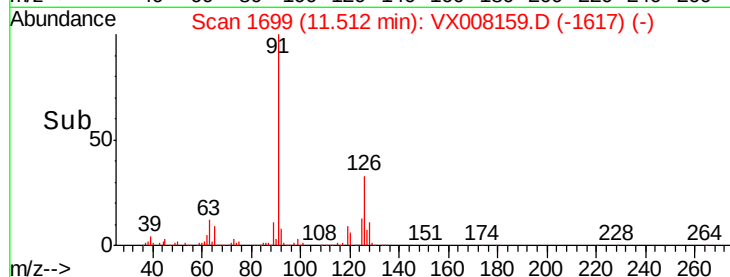
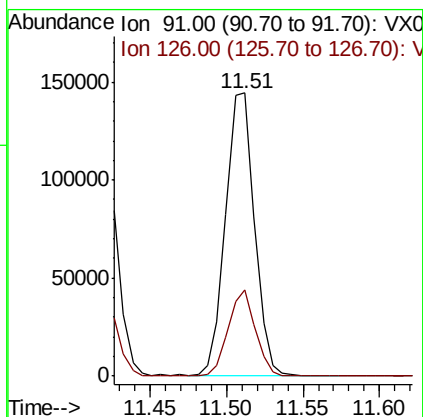
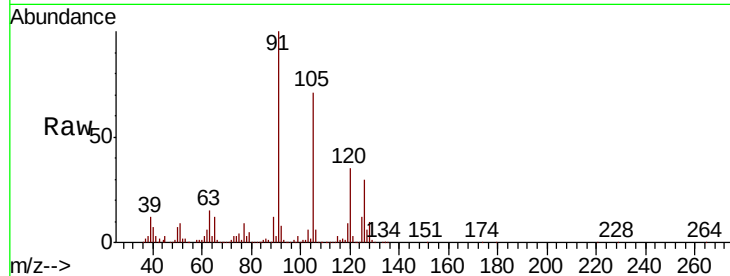




#78
4-Chlorotoluene
Concen: 20.000 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

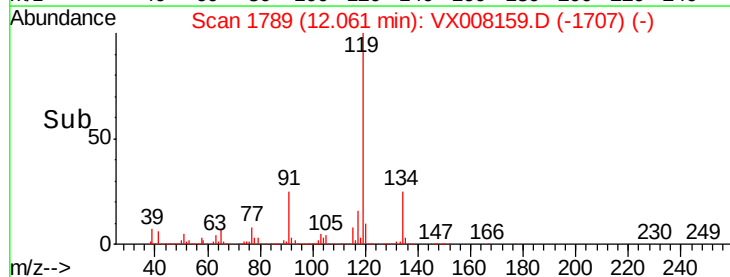
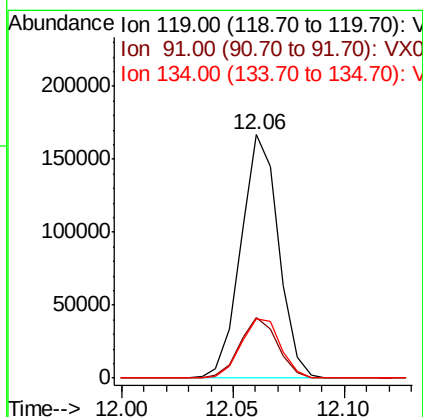
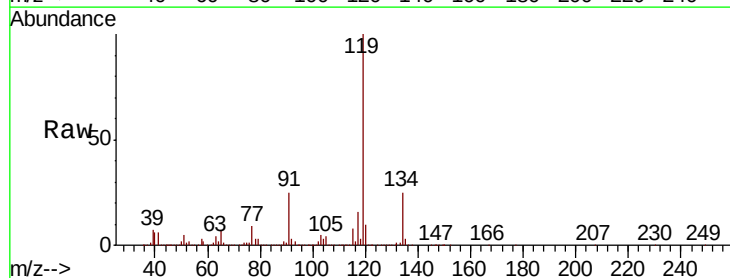
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

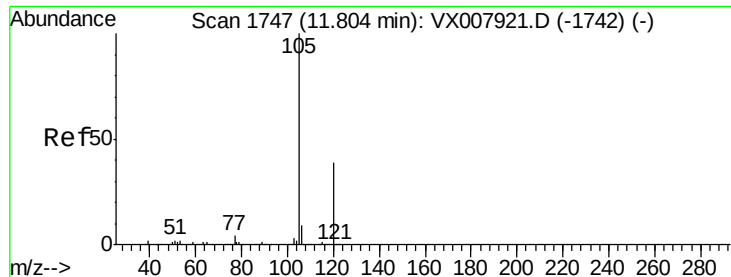
Tgt Ion: 91 Resp: 189878
Ion Ratio Lower Upper
91 100
126 28.3 0.0 66.2



#79
tert-butylbenzene
Concen: 20.000 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

Tgt Ion: 119 Resp: 197684
Ion Ratio Lower Upper
119 100
91 24.8 0.0 45.0
134 25.7 0.0 55.4





#80

1,2,4-Trimethylbenzene

Concen: 20.000 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

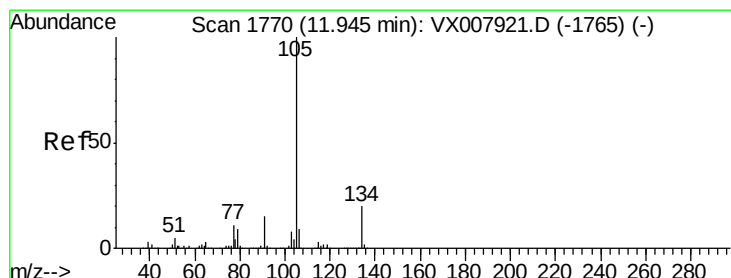
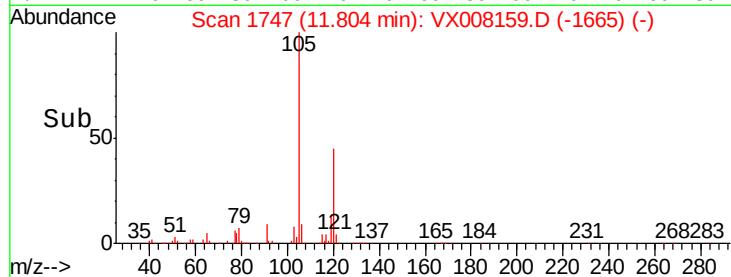
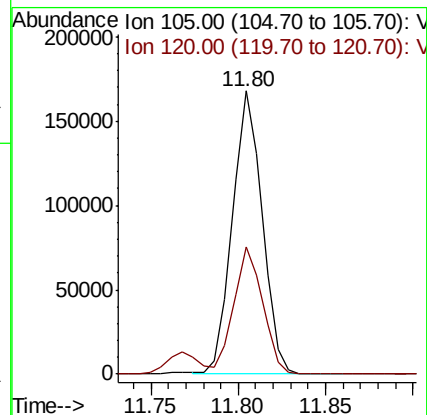
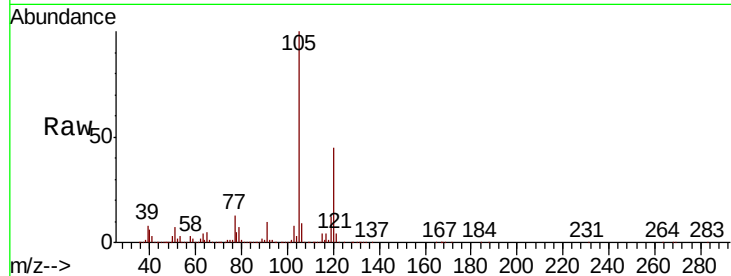
VSTDICCC020

Tgt Ion:105 Resp: 198709

Ion Ratio Lower Upper

105 100

120 43.1 0.0 94.0



#81

sec-Butylbenzene

Concen: 20.000 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008159.D

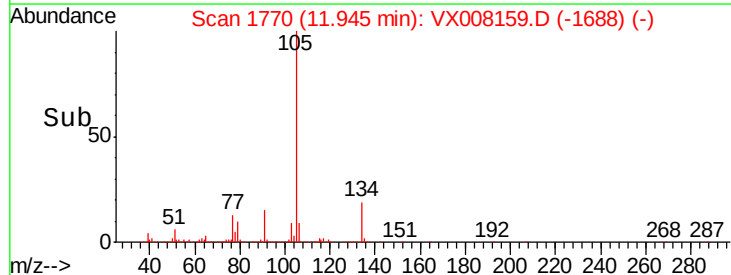
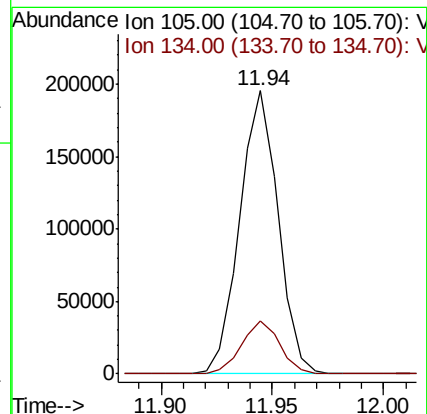
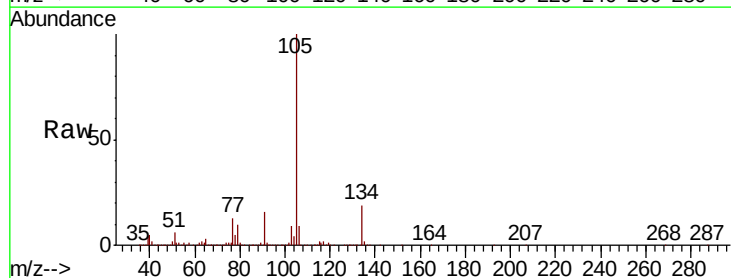
Acq: 18 Mar 2019 10:52

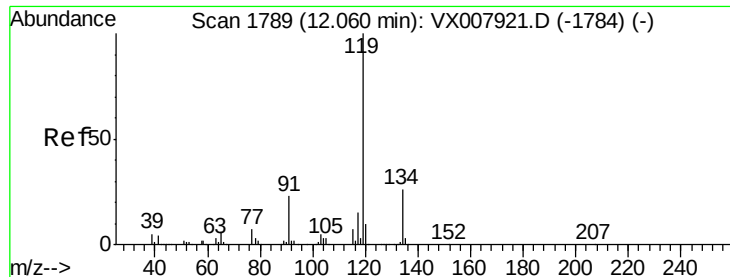
Tgt Ion:105 Resp: 234244

Ion Ratio Lower Upper

105 100

134 18.8 0.0 41.8





#82

p-Isopropyltoluene

Concen: 20.000 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

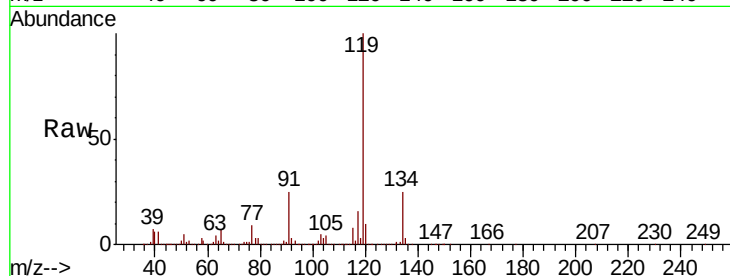
Tgt Ion:119 Resp: 197684

Ion Ratio Lower Upper

119 100

134 25.7 0.0 55.4

91 24.8 0.0 45.0

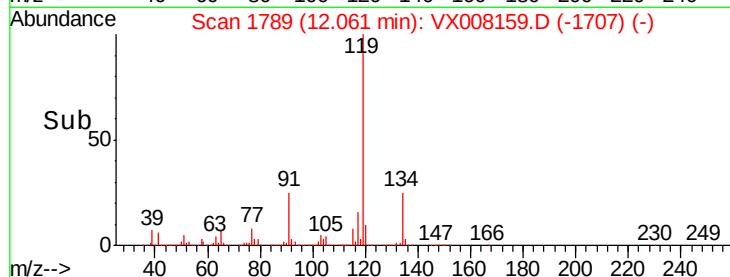


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



12.06

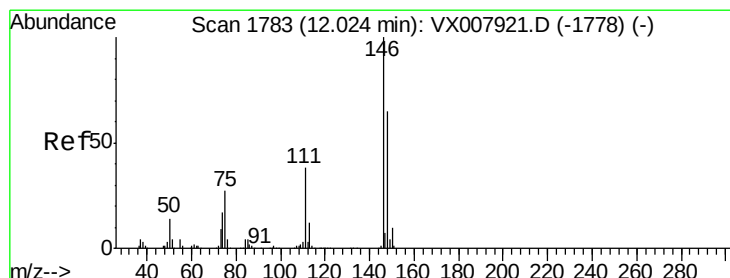
150000

100000

50000

0

12.00 12.05 12.10



#83

1,3-Dichlorobenzene

Concen: 20.000 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

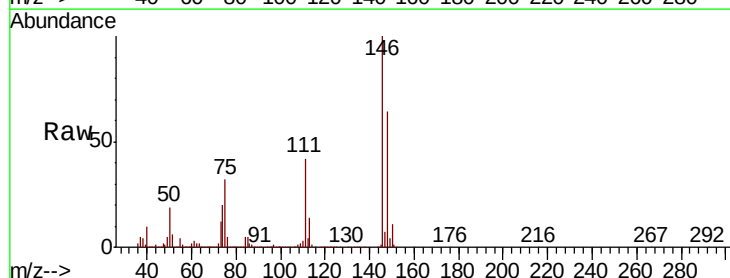
Tgt Ion:146 Resp: 101630

Ion Ratio Lower Upper

146 100

111 41.1 18.8 56.3

148 64.0 30.6 91.8

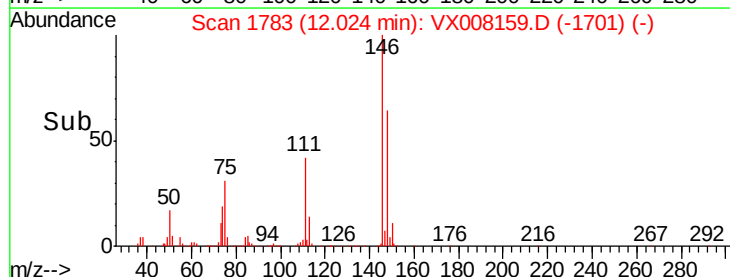


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->



12.02

100000

80000

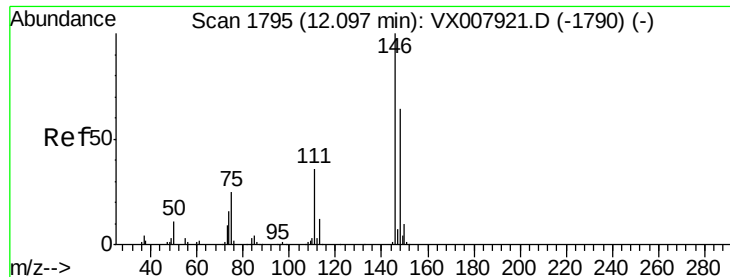
60000

40000

20000

0

12.00 12.05



#84

1,4-Dichlorobenzene

Concen: 20.000 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

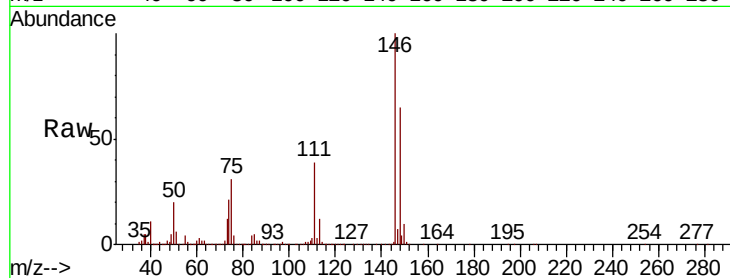
Tgt Ion:146 Resp: 98545

Ion Ratio Lower Upper

146 100

111 40.3 17.6 52.8

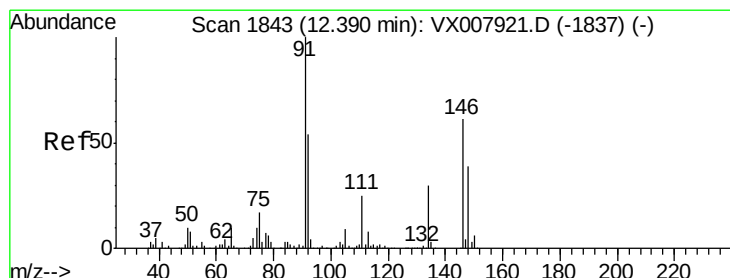
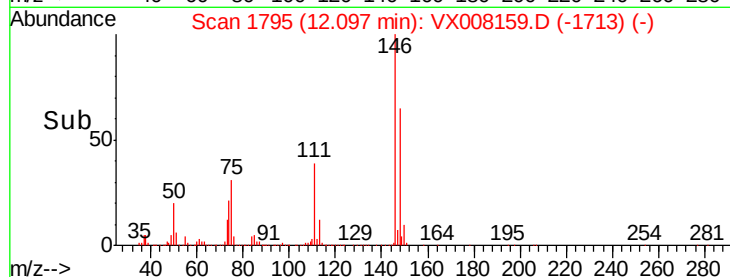
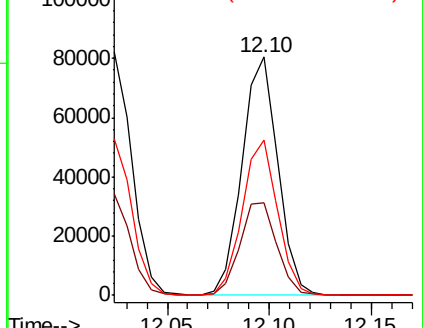
148 64.3 31.4 94.2



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: 20.000 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

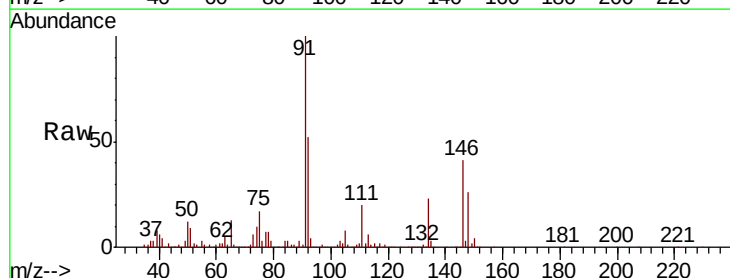
Tgt Ion: 91 Resp: 179216

Ion Ratio Lower Upper

91 100

92 52.0 0.0 105.2

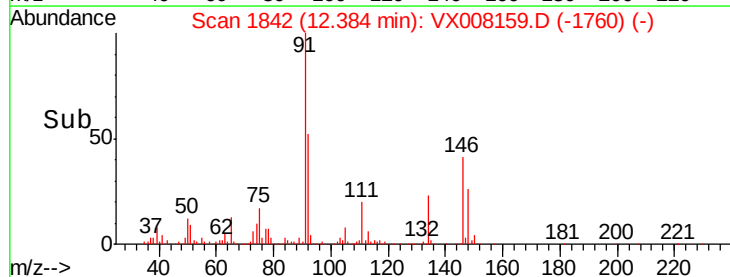
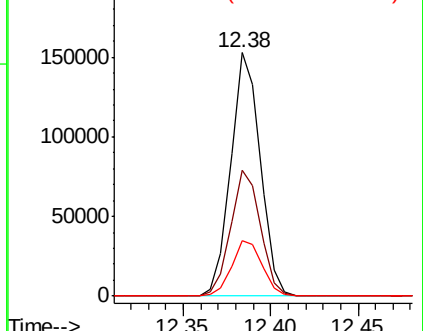
134 23.7 0.0 56.4

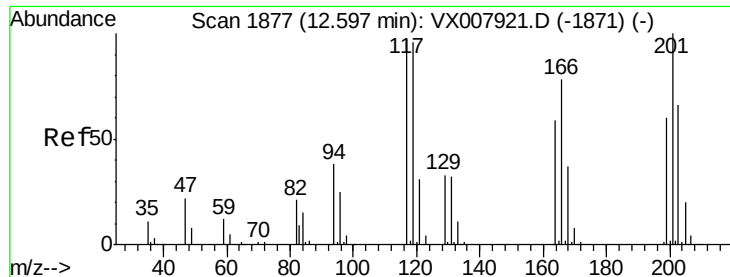


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

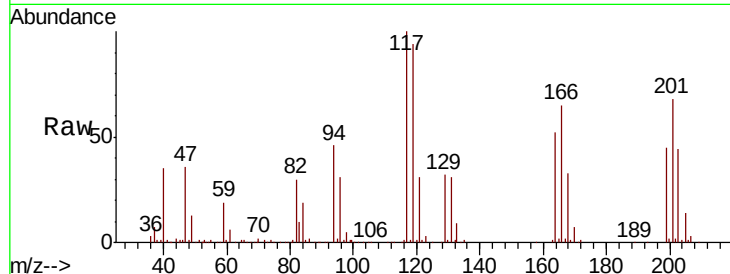




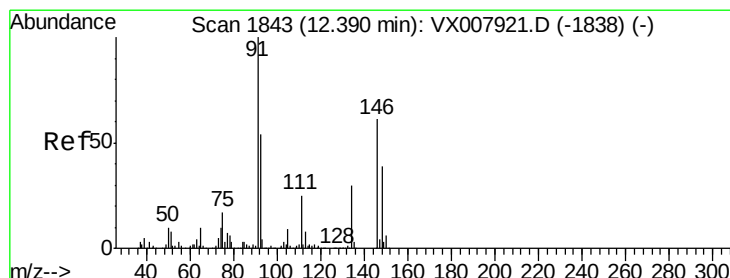
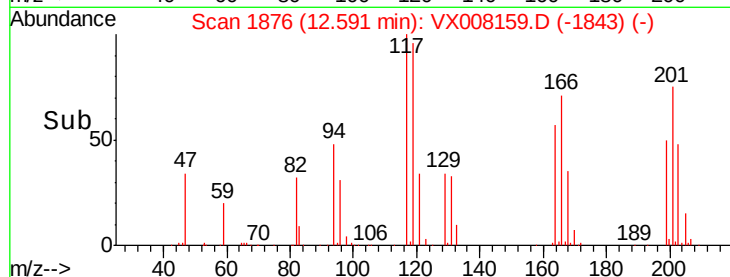
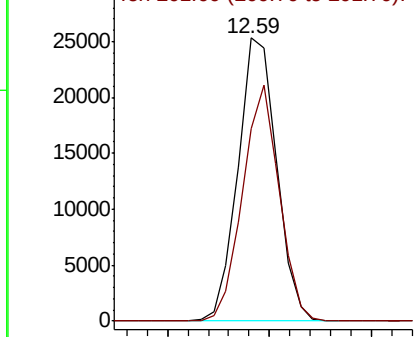
#86
Hexachloroethane
Concen: 20.000 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 33414
Ion Ratio Lower Upper
117 100
201 78.7 41.1 123.3

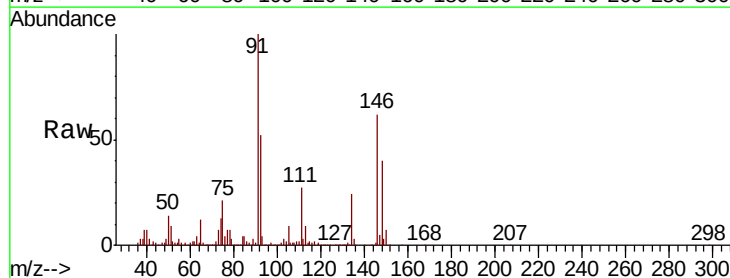


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V

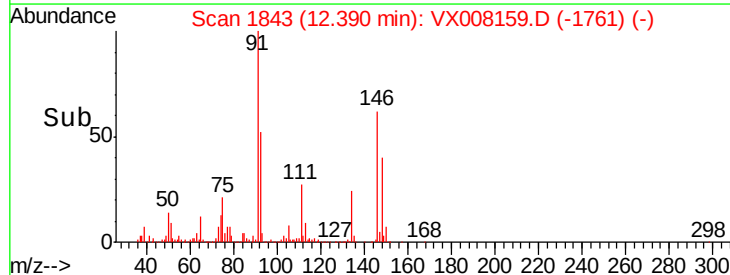
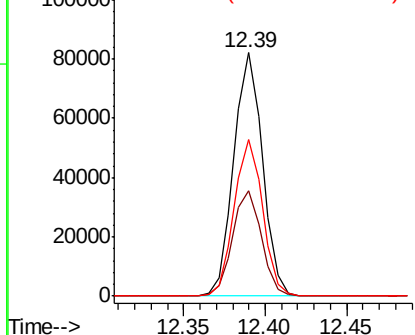


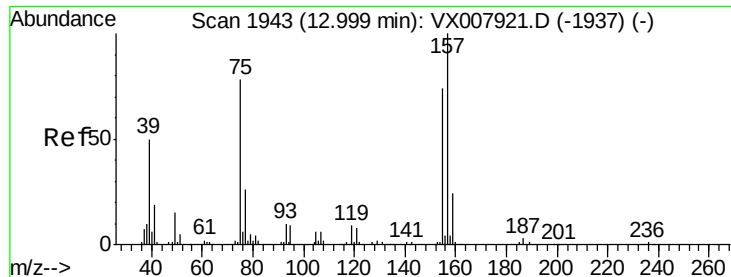
#87
1,2-Dichlorobenzene
Concen: 20.000 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008159.D
Acq: 18 Mar 2019 10:52

Tgt Ion:146 Resp: 101057
Ion Ratio Lower Upper
146 100
111 43.4 19.3 57.8
148 63.7 32.1 96.3



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





#88

1,2-Dibromo-3-Chloropropane

Concen: 20.000 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

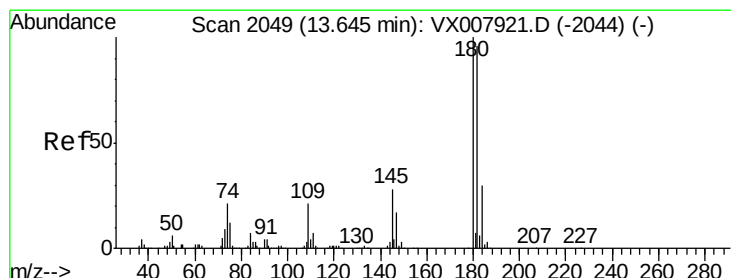
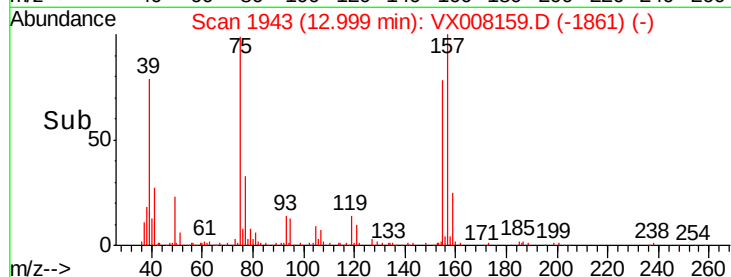
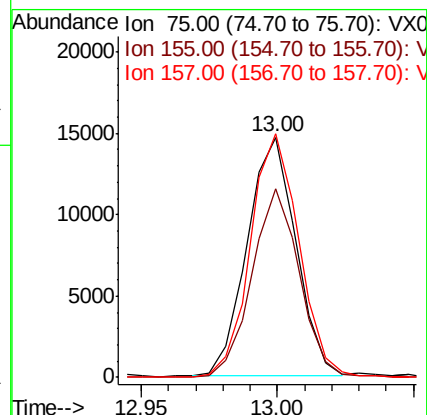
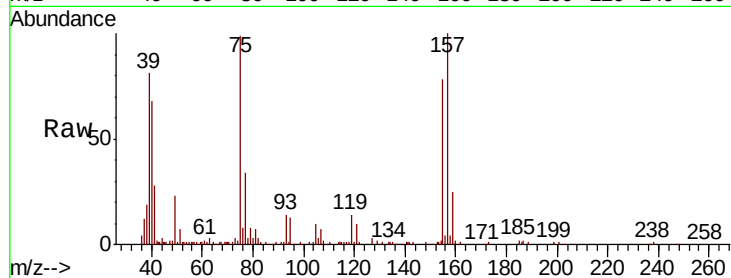
Tgt Ion: 75 Resp: 18226

Ion Ratio Lower Upper

75 100

155 76.1 81.0 121.6#

157 101.7 103.2 154.8#



#89

1,2,4-Trichlorobenzene

Concen: 20.000 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

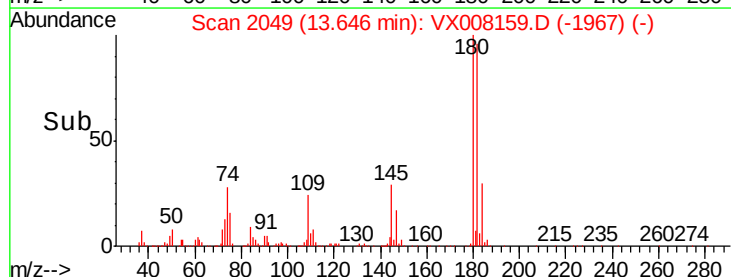
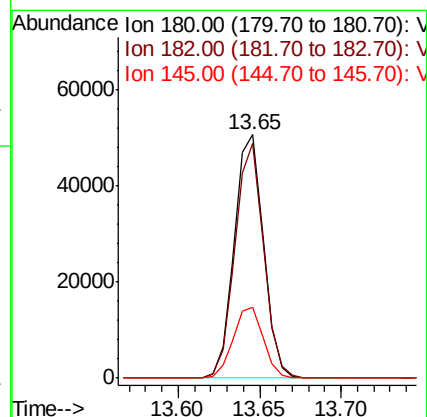
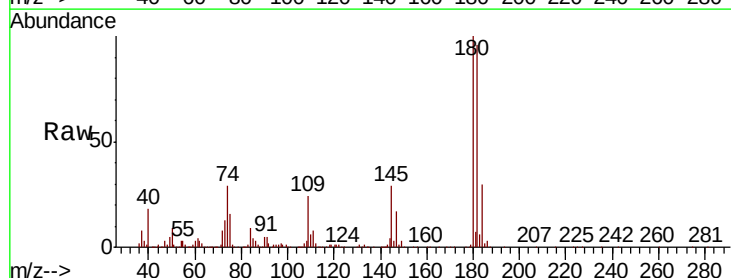
Tgt Ion: 180 Resp: 63196

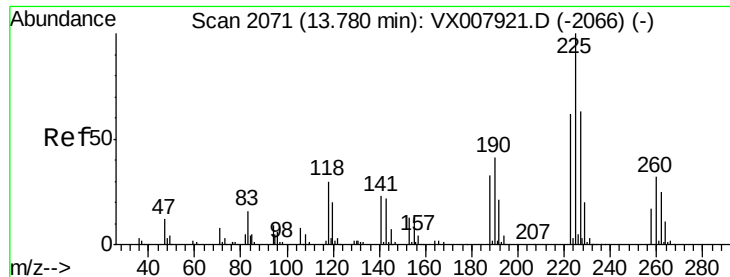
Ion Ratio Lower Upper

180 100

182 94.2 75.6 113.4

145 29.8 23.0 34.6





#90

Hexachlorobutadiene

Concen: 20.000 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

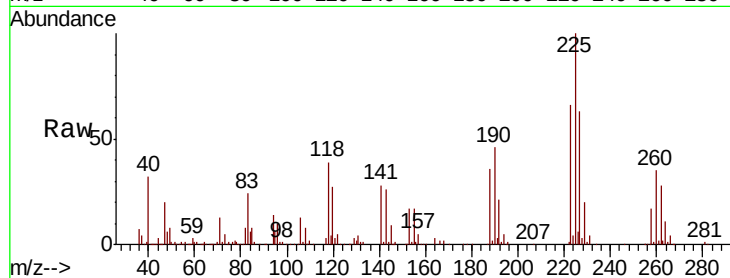
Tgt Ion:225 Resp: 32549

Ion Ratio Lower Upper

225 100

223 63.8 0.0 123.8

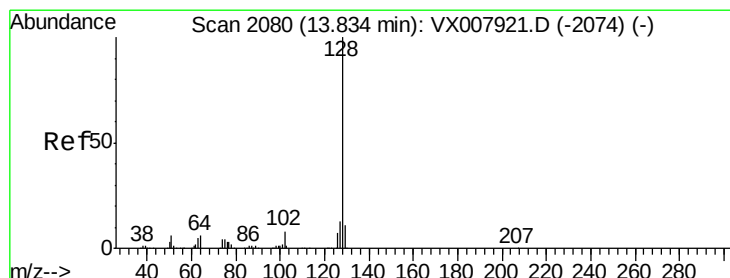
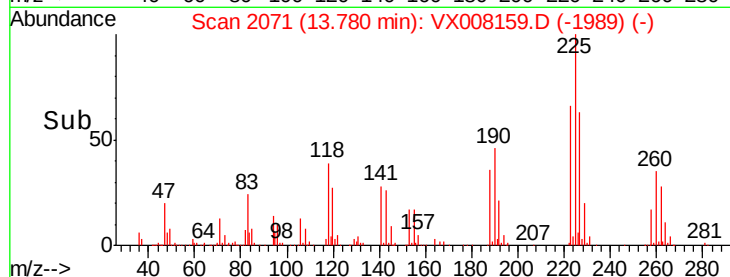
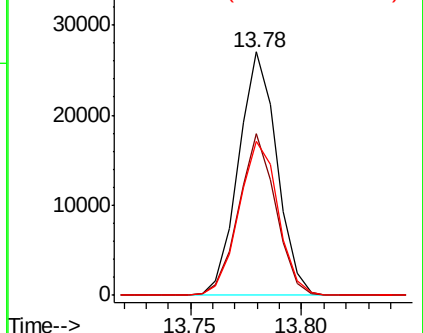
227 64.7 0.0 124.4



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 20.000 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008159.D

Acq: 18 Mar 2019 10:52

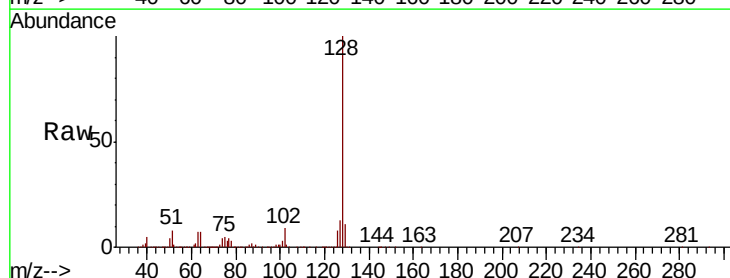
Tgt Ion:128 Resp: 207495

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

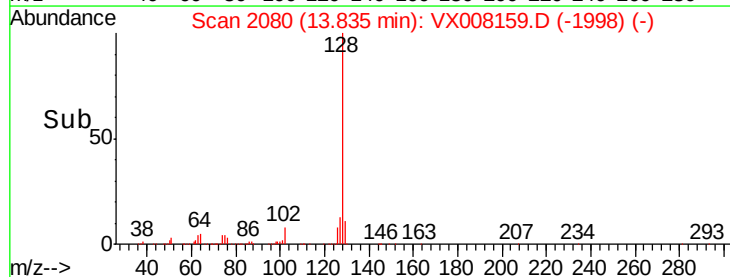
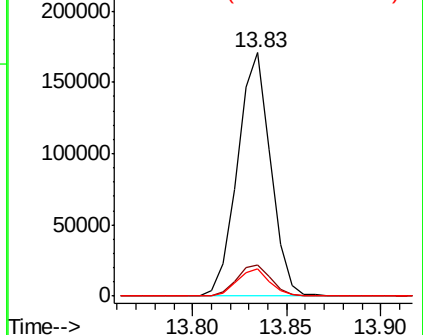
129 11.0 8.9 13.3

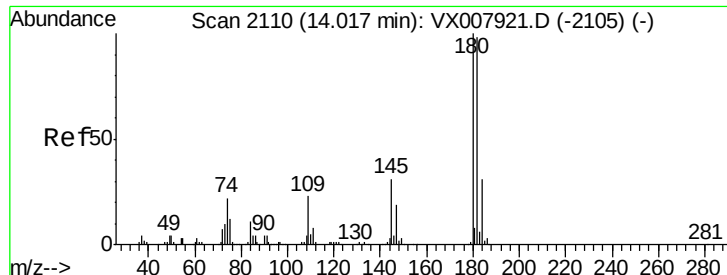


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

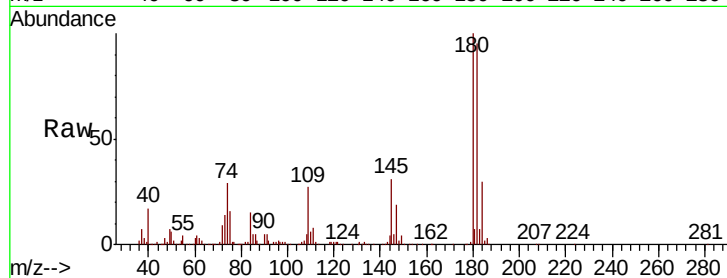




#92
 1,2,3-Trichlorobenzene
 Concen: 20.000 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008159.D
 Acq: 18 Mar 2019 10:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	0.0	193.0
145	31.9	0.0	63.0



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

