

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008478.D
 Acq On : 27 Mar 2019 13:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Mar 28 02:03:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	38955	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	228028	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	198716	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	96763	29.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.97%
60) 4-Bromofluorobenzene	11.13	95	104793	30.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.90%
63) Toluene-d8	8.71	98	284451	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	52861	19.845 ug/l	97
3) Chloromethane	1.32	50	69501	19.915 ug/l	98
4) Vinyl Chloride	1.40	62	67771	19.265 ug/l	97
5) Bromomethane	1.64	94	33658	18.465 ug/l	99
6) Chloroethane	1.72	64	41336	17.953 ug/l	99
7) Trichlorofluoromethane	1.93	101	77125	19.752 ug/l	99
8) Diethyl Ether	2.18	74	35344	19.194 ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48088	19.776 ug/l	92
10) 1,1-Dichloroethene	2.37	96	48555	19.683 ug/l	88
11) Methyl Iodide	2.51	142	41636	16.300 ug/l	96
12) Methyl Acetate	3.19	43	38851	19.432 ug/l	94
13) Acrolein	2.29	56	50390	87.851 ug/l	97
14) Acrylonitrile	3.14	53	177462	96.003 ug/l	99
15) Acetone	2.44	58	53142	93.227 ug/l	94
16) Carbon Disulfide	2.57	76	148746	19.383 ug/l	99
17) Allyl chloride	2.73	41	105431	19.017 ug/l	92
18) Methylene Chloride	2.85	84	57271	19.422 ug/l	89
19) trans-1,2-Dichloroethene	3.16	96	51439	19.517 ug/l	88
20) Diisopropyl ether	3.85	45	211725	19.621 ug/l #	94
21) 1,1-Dichloroethane	3.70	63	105389	19.457 ug/l	96
22) cis-1,2-Dichloroethene	4.59	96	59317	19.477 ug/l #	81
23) tert-Butyl Alcohol	3.04	59	70574	94.548 ug/l #	100
24) Methyl tert-Butyl Ether	3.19	73	177558	19.585 ug/l	99
25) Chloroform	5.21	83	95278	19.419 ug/l	97
26) Cyclohexane	5.57	56	104376	19.835 ug/l #	82
29) 1,1-Dichloropropene	5.80	75	75571	19.699 ug/l	93
30) 2-Butanone	4.67	43	265632	94.163 ug/l	94
31) 2,2-Dichloropropane	4.58	77	73822	19.267 ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	76077	19.097 ug/l	95
33) Carbon Tetrachloride	5.78	117	63551	19.067 ug/l	96
34) Benzene	6.14	78	227973	19.441 ug/l #	96
35) Methacrylonitrile	5.04	41	54471	18.988 ug/l	93
36) 1,2-Dichloroethane	6.19	62	82420	19.714 ug/l	97
37) Trichloroethene	7.21	130	52805	19.581 ug/l	89
38) Methylcyclohexane	7.46	83	95810	19.820 ug/l	88
39) 1,2-Dichloropropane	7.51	63	64525	19.400 ug/l	100
40) Dibromomethane	7.66	93	36224	18.801 ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	71186	18.790	ug/l	99
42) Vinyl Acetate	3.81	43	934299	97.701	ug/l #	94
43) Ethyl Acetate	4.83	43	97668	19.236	ug/l #	80
44) Isopropyl Acetate	6.44	43	154781	18.853	ug/l	98
45) 1,4-Dioxane	7.74	88	32109	392.872	ug/l #	84
46) Methyl methacrylate	7.77	41	79087	18.967	ug/l	87
47) n-amyl Acetate	10.90	43	140088	18.785	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	79575	18.596	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	89882	18.779	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	55275	19.321	ug/l	97
51) Ethyl methacrylate	9.18	69	99682	18.724	ug/l	92
52) 1,3-Dichloropropane	9.37	76	98248	19.303	ug/l	99
53) Dibromochloromethane	9.58	129	51998	18.470	ug/l	99
54) 1,2-Dibromoethane	9.67	107	56602	19.192	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	273534	101.843	ug/l	95
56) Bromoform	10.85	173	36475	17.778	ug/l #	98
58) 4-Methyl-2-Pentanone	8.64	43	508164	96.932	ug/l	96
59) 2-Hexanone	9.49	43	399560	96.470	ug/l	96
61) Tetrachloroethene	9.34	164	44028	20.256	ug/l	98
62) Toluene	8.78	91	239068	19.871	ug/l	99
64) Chlorobenzene	10.13	112	139096	19.730	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	47960	19.296	ug/l	98
66) Ethyl Benzene	10.25	91	263349	19.720	ug/l	95
67) m/p-Xylenes	10.35	106	192871	39.597	ug/l	90
68) o-Xylene	10.69	106	93875	19.695	ug/l	92
69) Styrene	10.71	104	162221	19.559	ug/l	96
70) Isopropylbenzene	11.02	105	250440	19.918	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	91090	19.393	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	102796	25.891	ug/l	89
73) Bromobenzene	11.26	156	57534	19.233	ug/l	76
74) n-propylbenzene	11.36	91	298869	19.953	ug/l	95
75) 2-Chlorotoluene	11.42	91	176261	19.779	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	214848	19.987	ug/l	95
77) t-1,4-Dichloro-2-butene	11.07	75	26947	17.694	ug/l	96
78) 4-Chlorotoluene	11.51	91	201024	19.600	ug/l	91
79) tert-butylbenzene	12.06	119	219969	20.024	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	210952	19.682	ug/l	97
81) sec-Butylbenzene	11.94	105	244901	19.940	ug/l	96
82) p-Isopropyltoluene	12.06	119	219969	20.024	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	104496	19.677	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	104476	19.686	ug/l	97
85) n-Butylbenzene	12.38	91	204726	19.614	ug/l	97
86) Hexachloroethane	12.60	117	34685	18.897	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	105316	19.681	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	20070	19.278	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.65	180	73259	19.847	ug/l	98
90) Hexachlorobutadiene	13.78	225	35910	20.194	ug/l	98
91) Naphthalene	13.83	128	257098	20.330	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	75995	20.439	ug/l	99

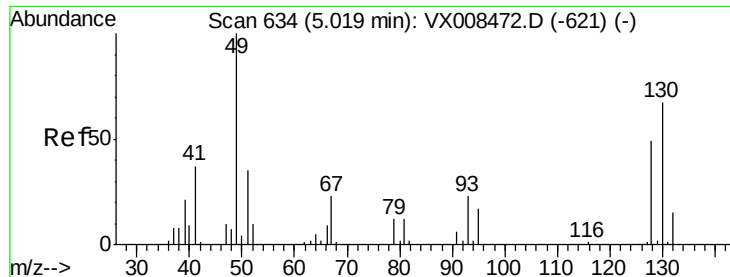
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

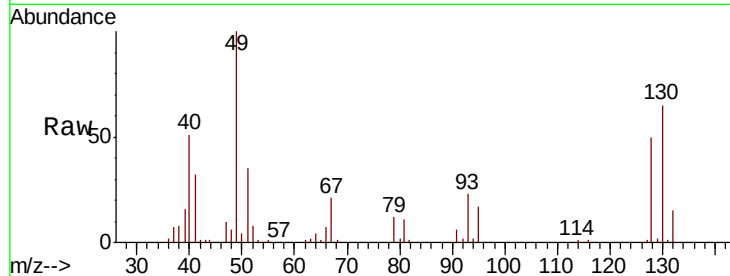
Tot Ion:128 Resp: 38955

Ion Ratio Lower Upper

128 100

49 203.8 0.0 350.8

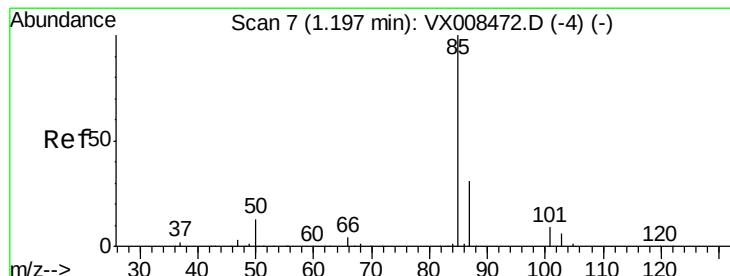
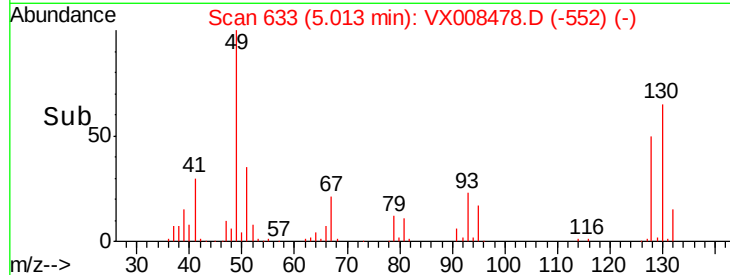
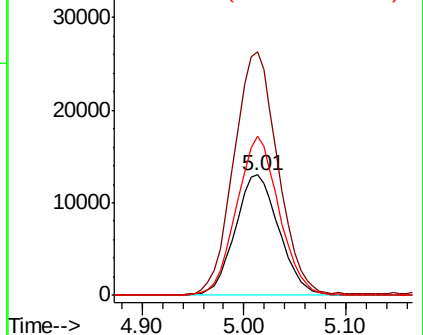
130 127.8 0.0 325.8



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: 19.845 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008478.D

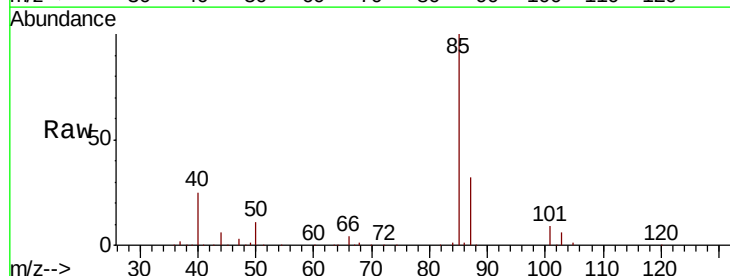
Acq: 27 Mar 2019 13:13

Tgt Ion: 85 Resp: 52861

Ion Ratio Lower Upper

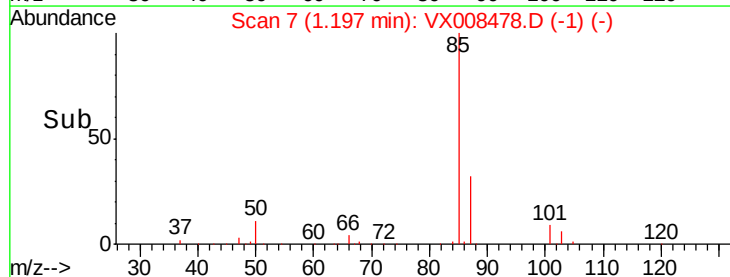
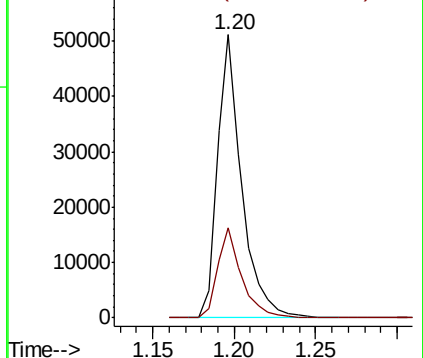
85 100

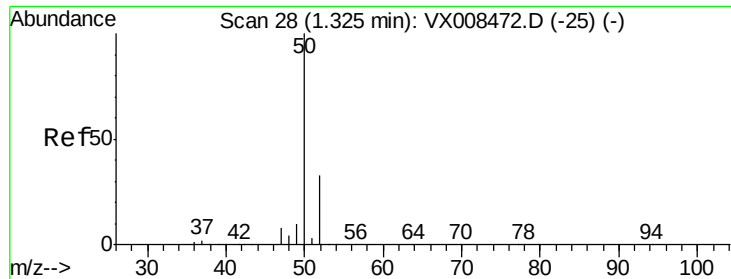
87 31.7 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 19.915 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

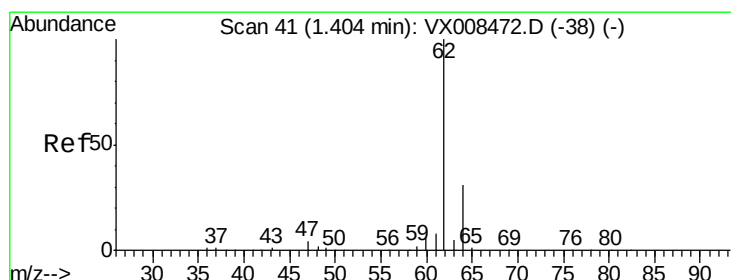
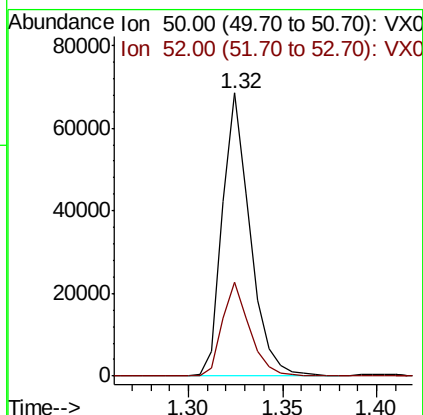
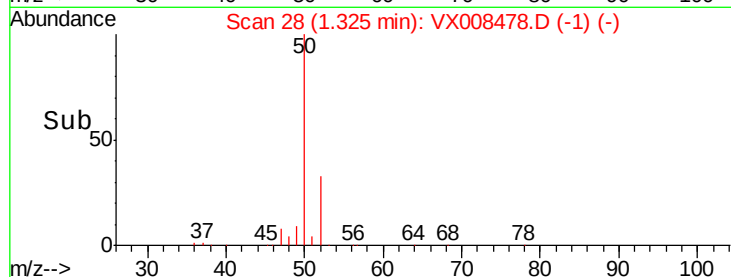
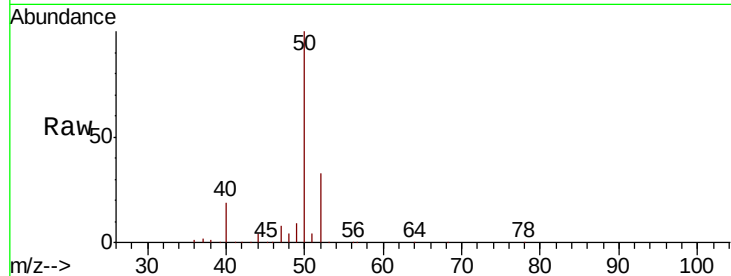
VSTDCCC020

Tot Ion: 50 Resp: 69501

Ion Ratio Lower Upper

50 100

52 33.2 27.5 41.3



#4

Vinyl Chloride

Concen: 19.265 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008478.D

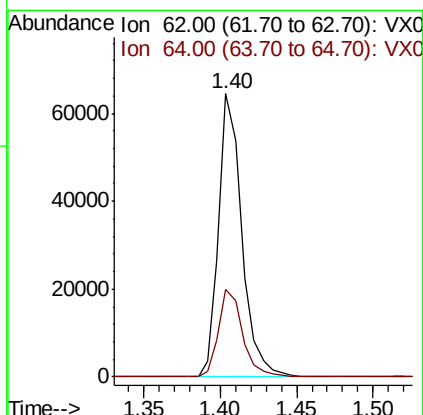
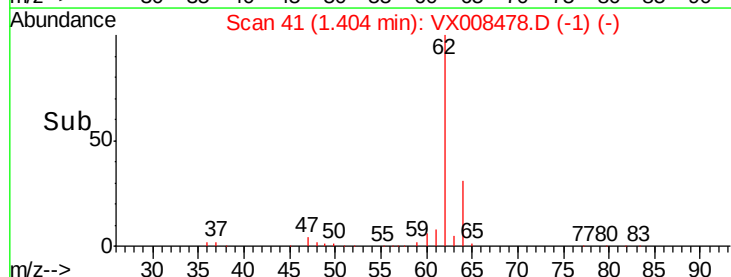
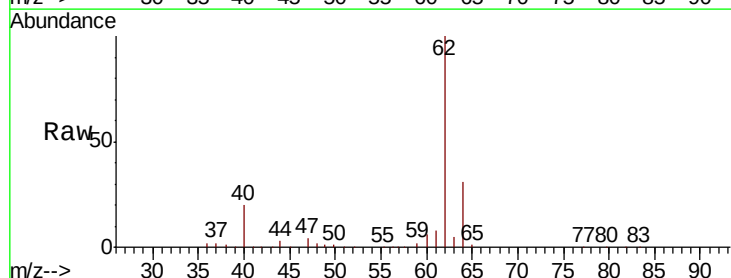
Acq: 27 Mar 2019 13:13

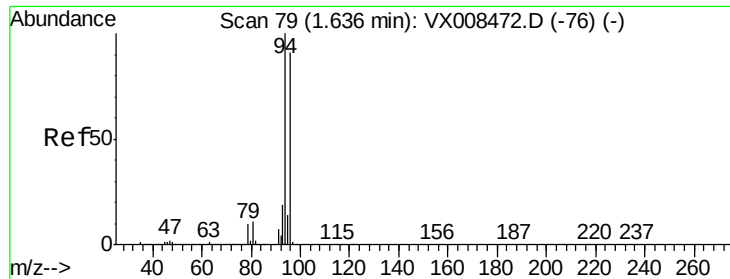
Tgt Ion: 62 Resp: 67771

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9





#5

Bromomethane

Concen: 18.465 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

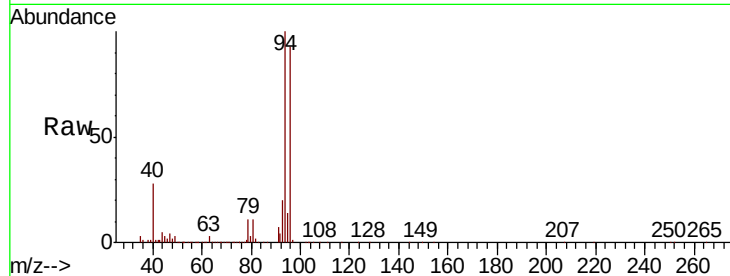
VSTDCCC020

Tot Ion: 94 Resp: 33658

Ion Ratio Lower Upper

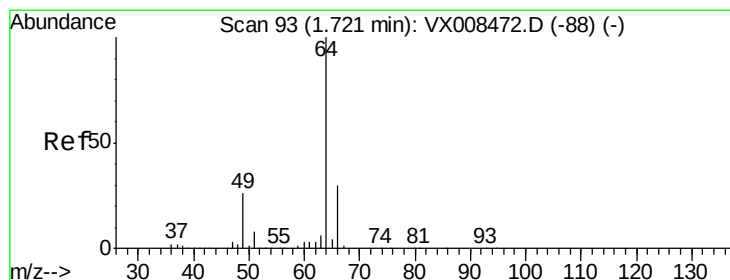
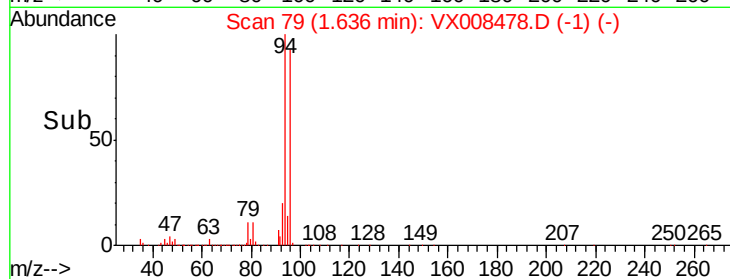
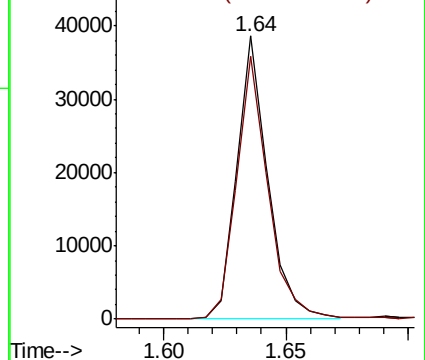
94 100

96 93.4 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.953 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008478.D

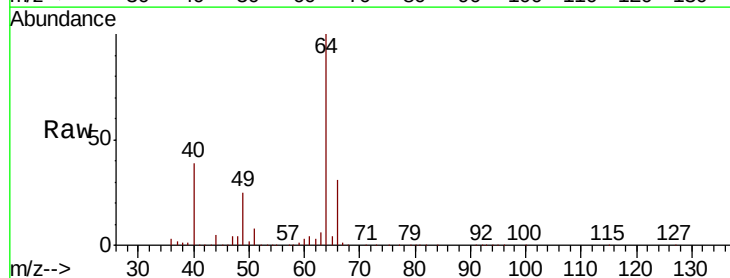
Acq: 27 Mar 2019 13:13

Tgt Ion: 64 Resp: 41336

Ion Ratio Lower Upper

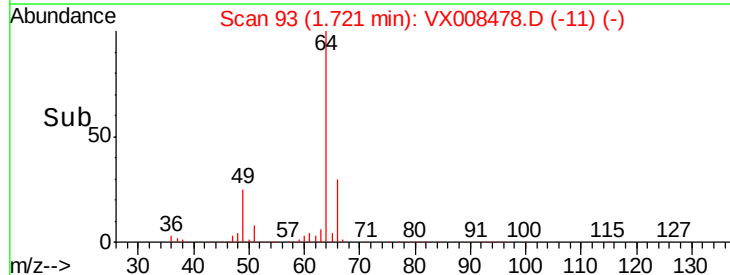
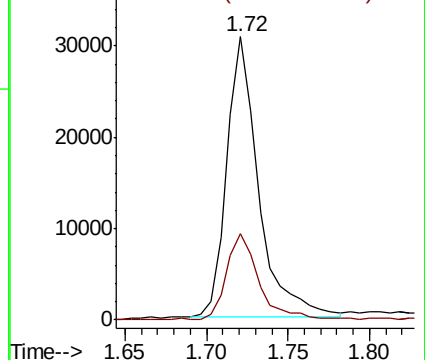
64 100

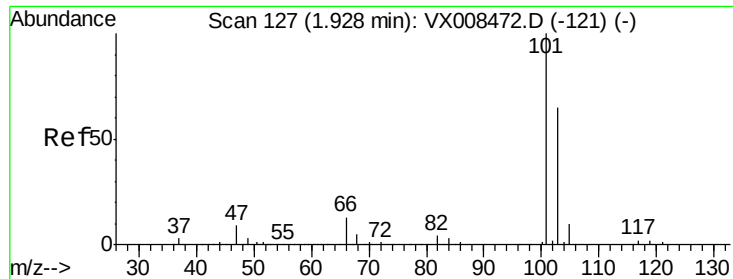
66 30.7 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



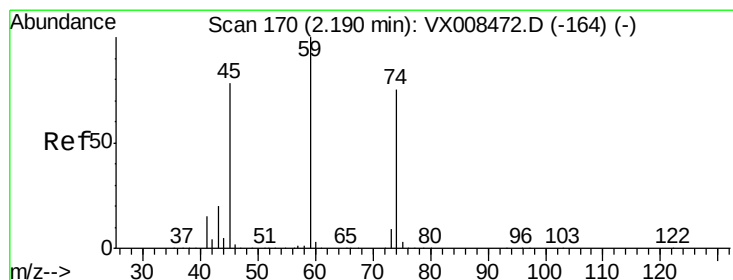
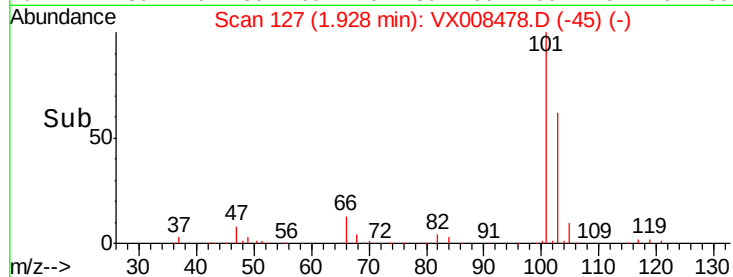
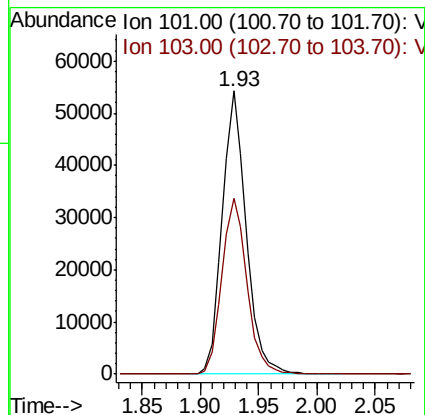
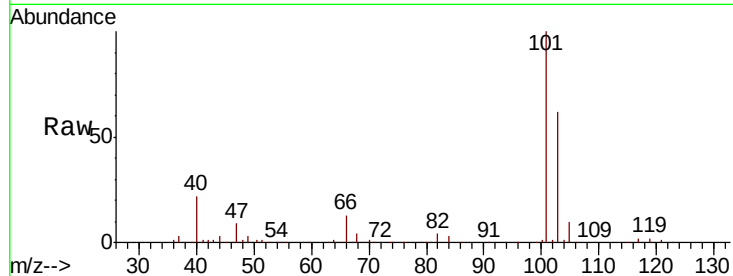


#7

Trichlorofluoromethane
 Concen: 19.752 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

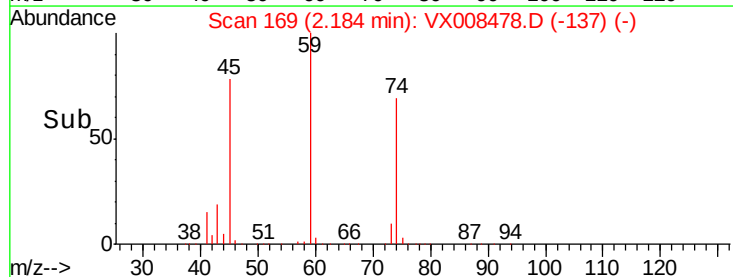
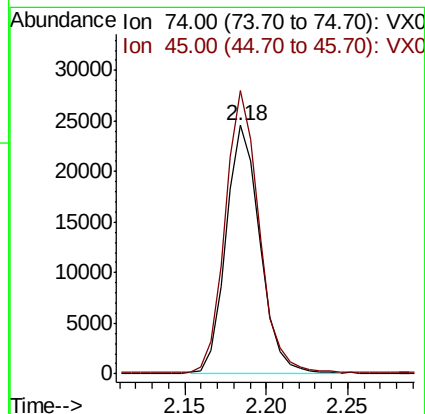
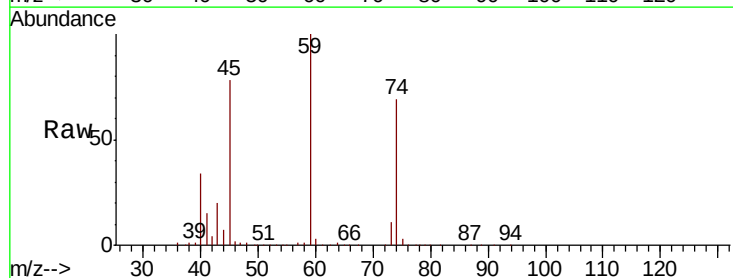
Tot Ion:101 Resp: 77125
 Ion Ratio Lower Upper
 101 100
 103 62.3 50.4 75.6

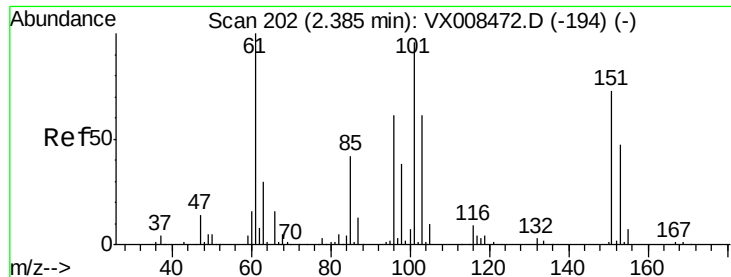


#8

Diethyl Ether
 Concen: 19.194 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 74 Resp: 35344
 Ion Ratio Lower Upper
 74 100
 45 113.5 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.776 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

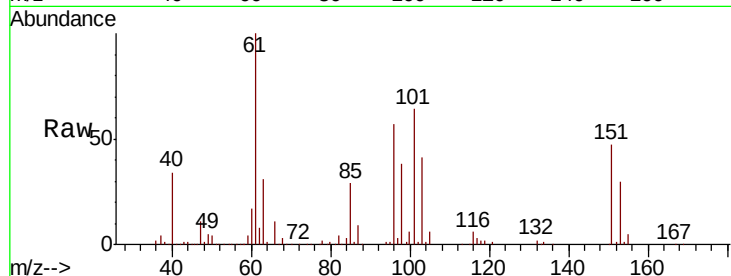
Tot Ion:101 Resp: 48088

Ion Ratio Lower Upper

101 100

85 44.9 0.0 86.8

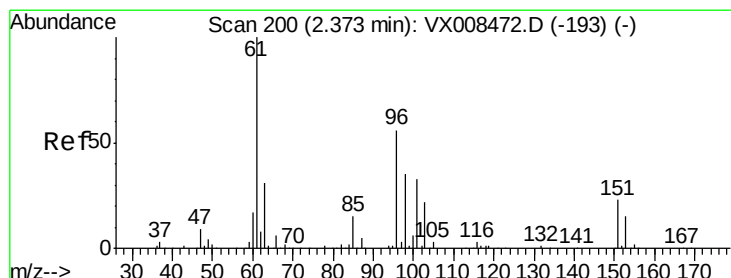
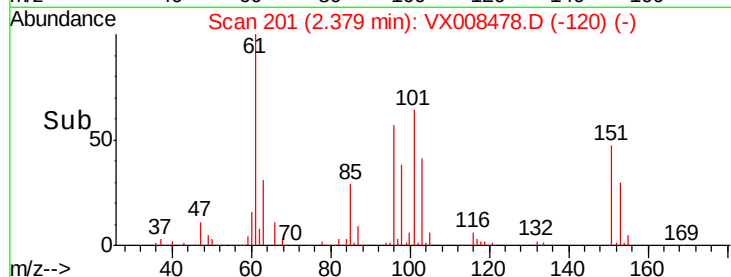
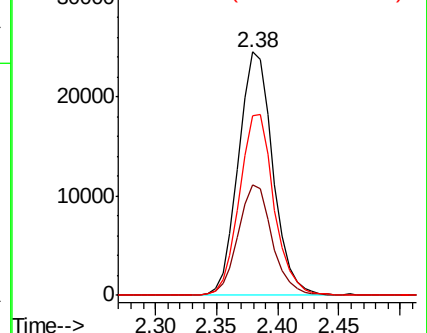
151 74.5 0.0 169.2



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: 19.683 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

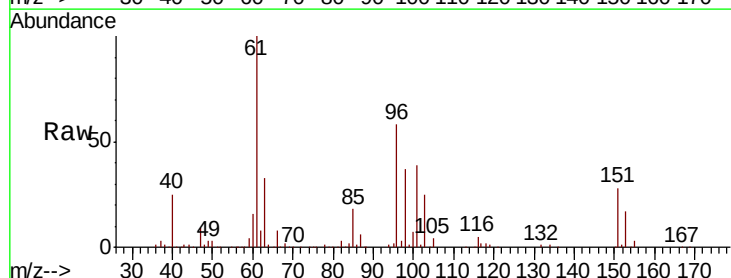
Tgt Ion: 96 Resp: 48555

Ion Ratio Lower Upper

96 100

61 171.2 120.2 180.2

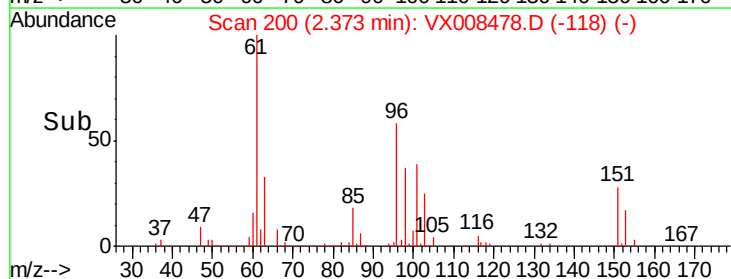
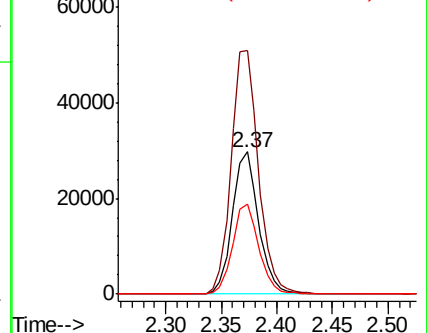
98 62.9 49.0 73.4

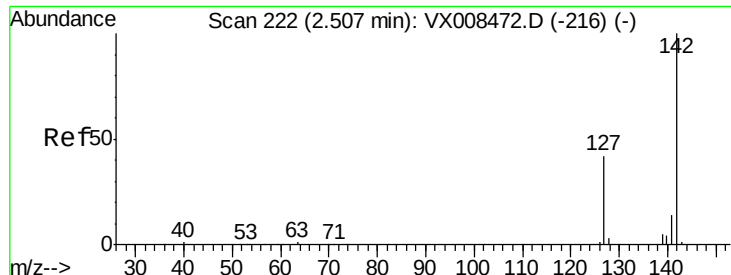


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

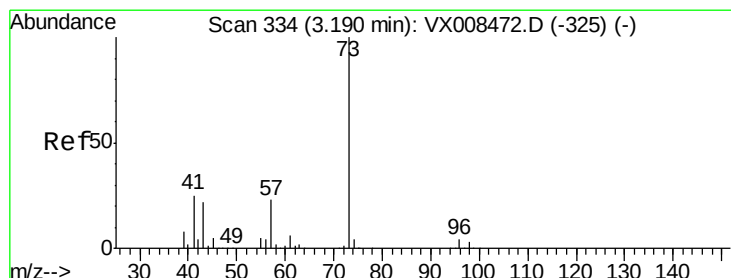
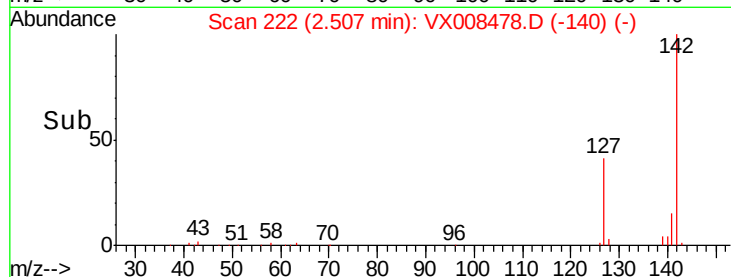
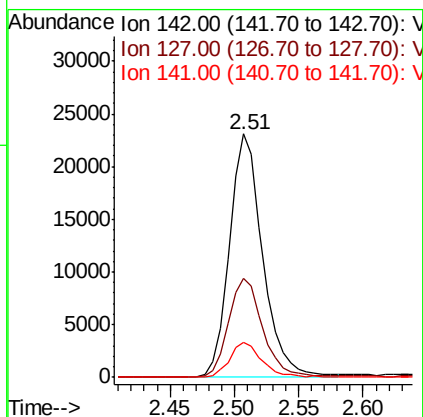
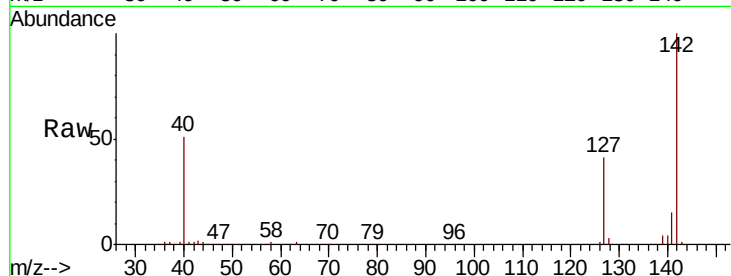




#11
Methvl Iodide
Concen: 16.300 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

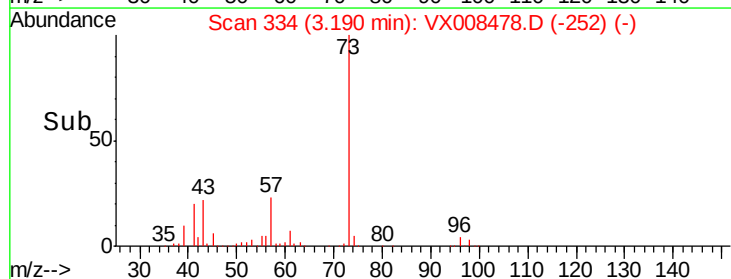
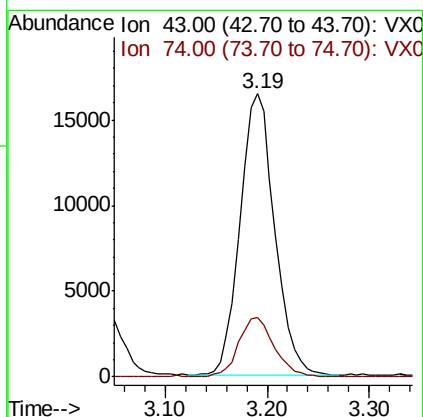
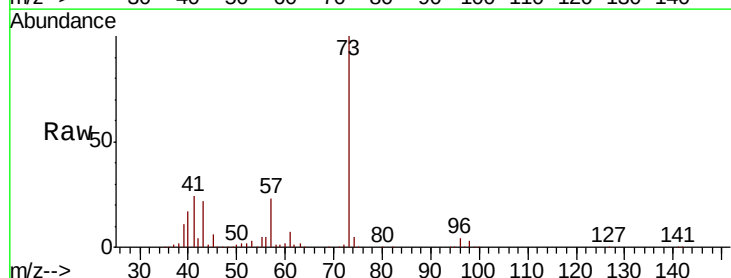
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

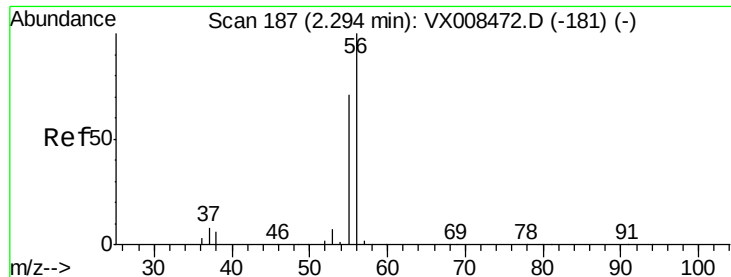
Tot Ion:142 Resp: 41636
Ion Ratio Lower Upper
142 100
127 40.9 22.1 66.5
141 14.5 7.4 22.3



#12
Methyl Acetate
Concen: 19.432 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 43 Resp: 38851
Ion Ratio Lower Upper
43 100
74 21.2 19.4 29.0





#13

Acrolein

Concen: 87.851 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

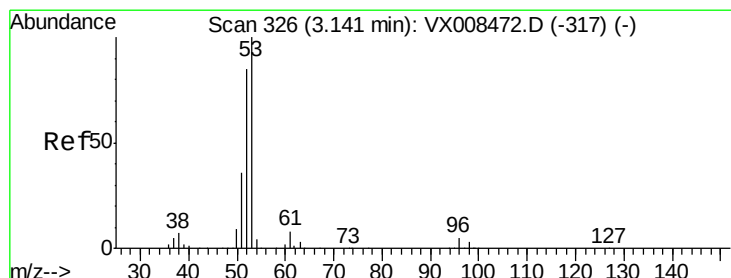
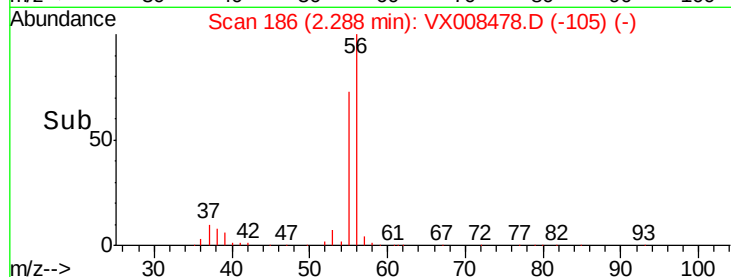
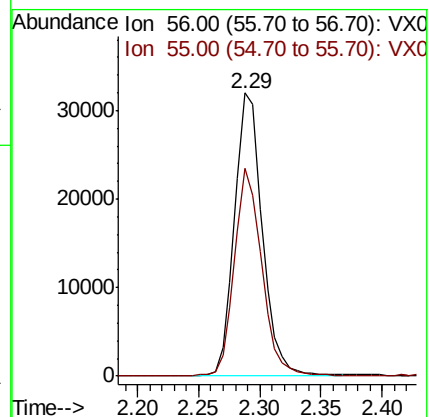
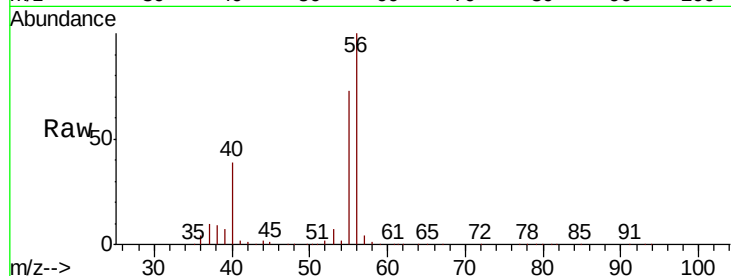
VSTDCCC020

Tot Ion: 56 Resp: 50390

Ion Ratio Lower Upper

56 100

55 71.0 58.6 87.8



#14

Acrylonitrile

Concen: 96.003 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

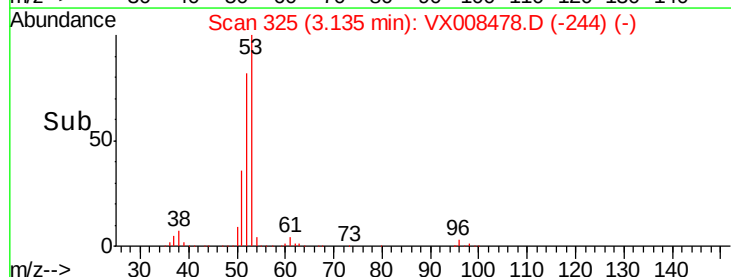
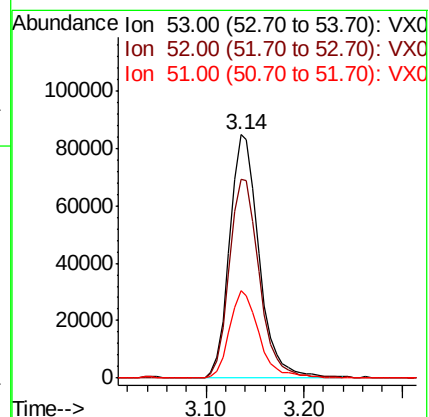
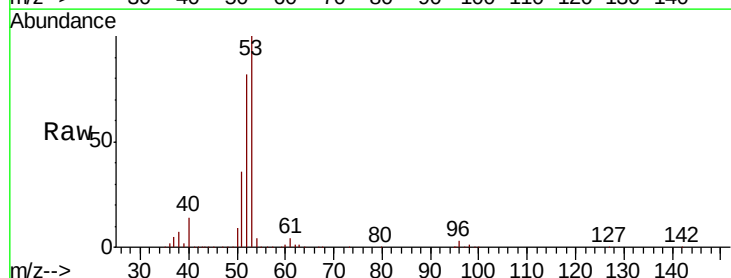
Tgt Ion: 53 Resp: 177462

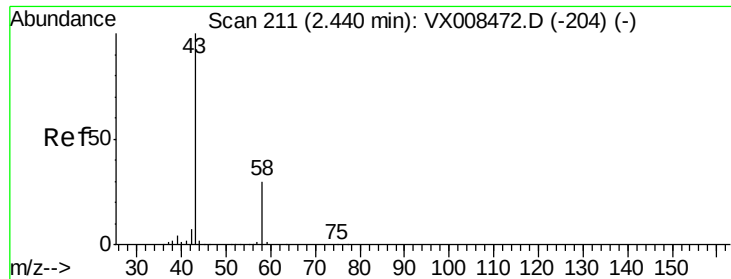
Ion Ratio Lower Upper

53 100

52 83.0 41.3 124.1

51 36.1 17.5 52.6





#15

Acetone

Concen: 93.227 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

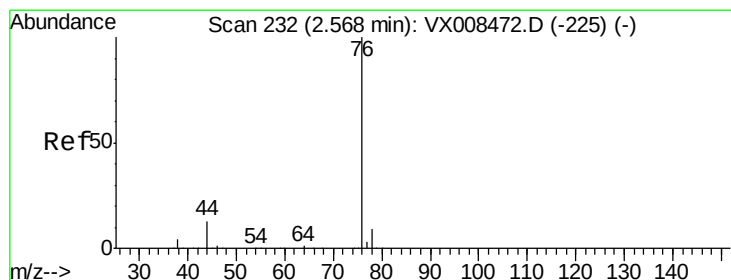
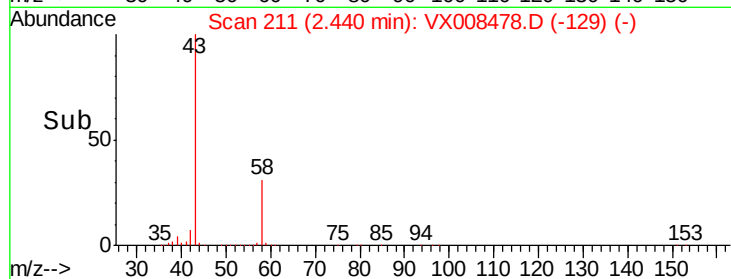
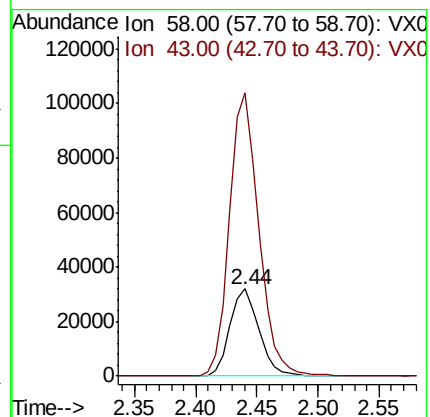
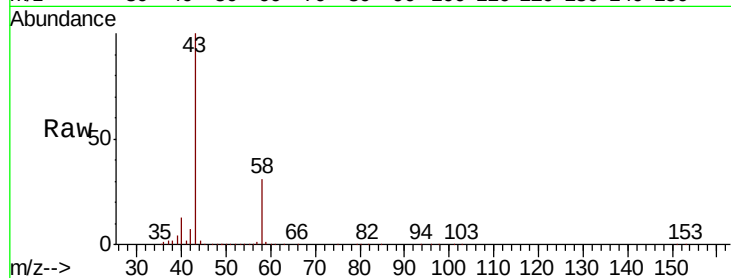
VSTDCCC020

Tot Ion: 58 Resp: 53142

Ion Ratio Lower Upper

58 100

43 324.7 249.8 374.6



#16

Carbon Disulfide

Concen: 19.383 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008478.D

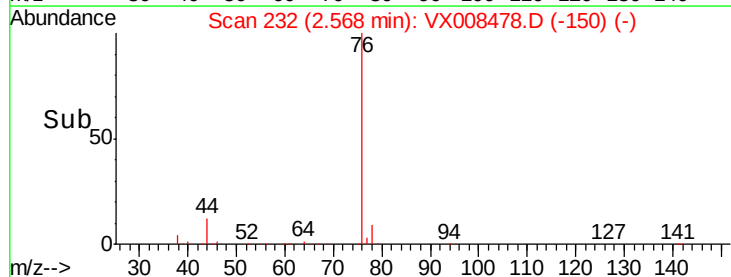
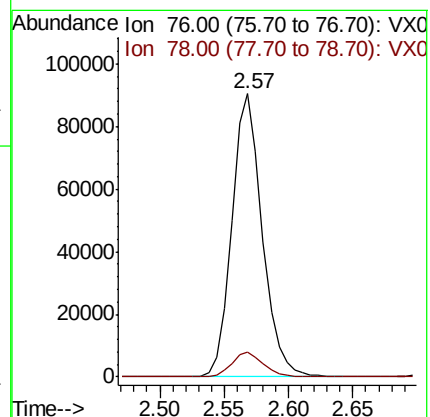
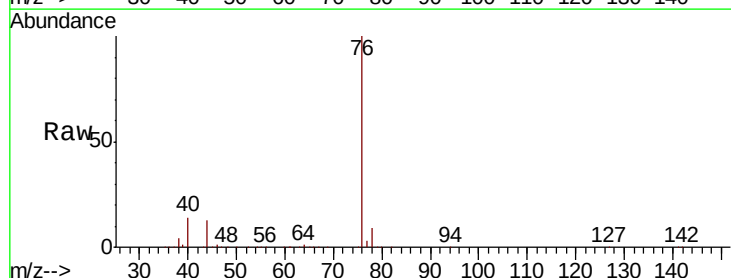
Acq: 27 Mar 2019 13:13

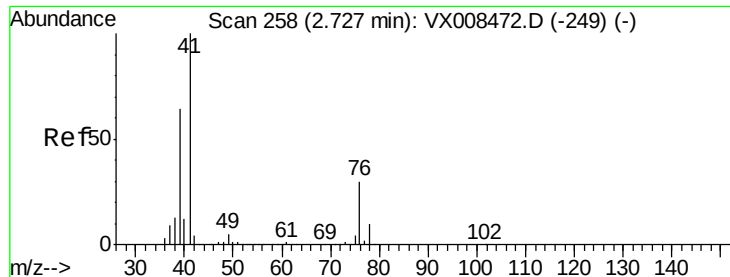
Tgt Ion: 76 Resp: 148746

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

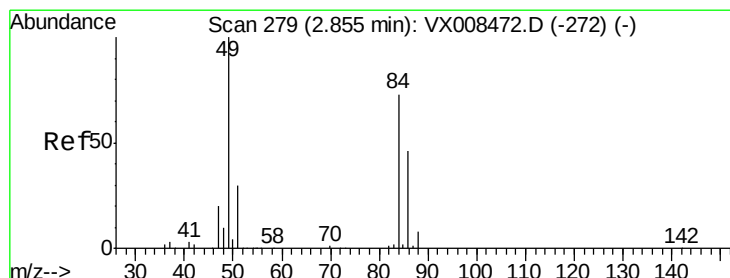
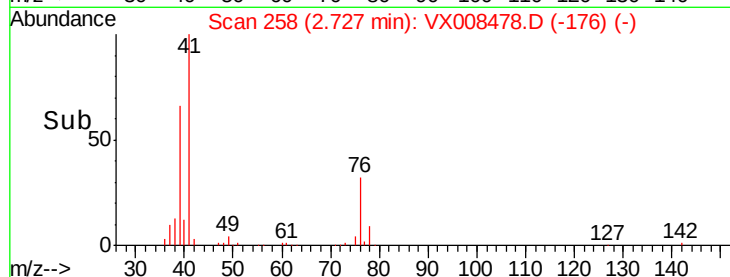
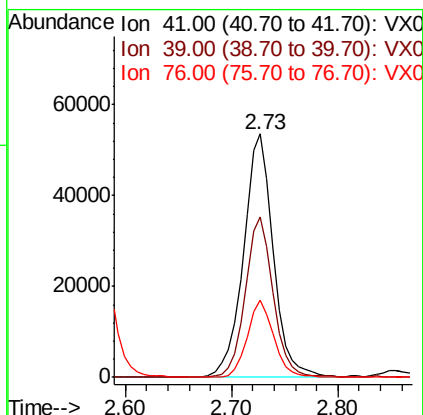
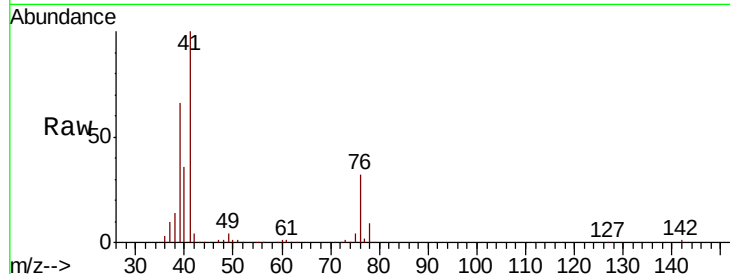




#17
Allvl chloride
Concen: 19.017 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

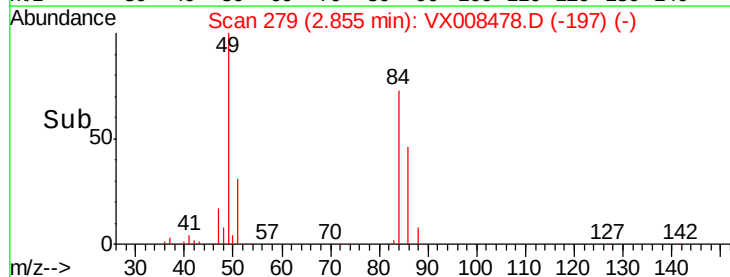
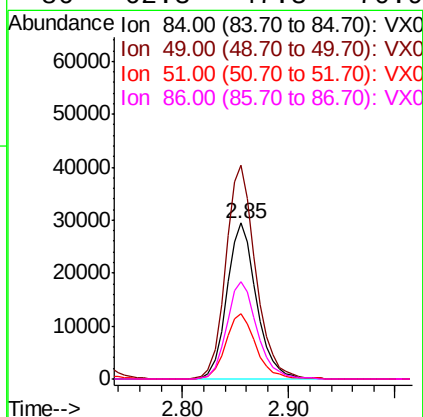
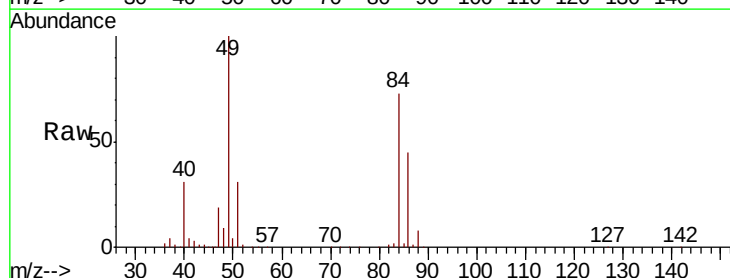
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

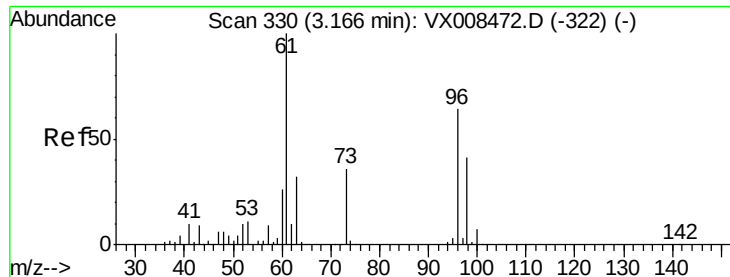
Tot Ion: 41 Resp: 105431
Ion Ratio Lower Upper
41 100
39 65.5 35.8 107.4
76 31.5 18.3 54.9



#18
Methylene Chloride
Concen: 19.422 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 84 Resp: 57271
Ion Ratio Lower Upper
84 100
49 136.7 96.1 144.1
51 42.2 29.1 43.7
86 62.3 47.3 70.9

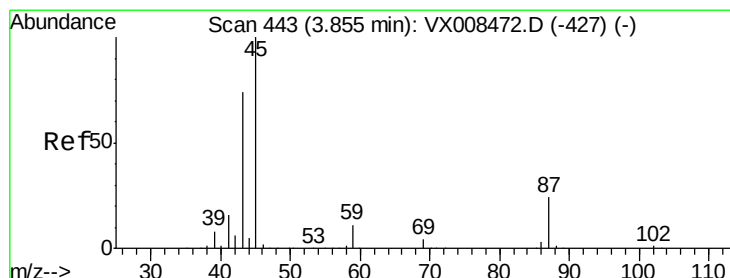
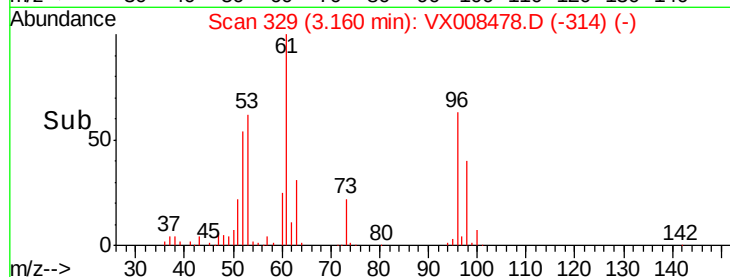
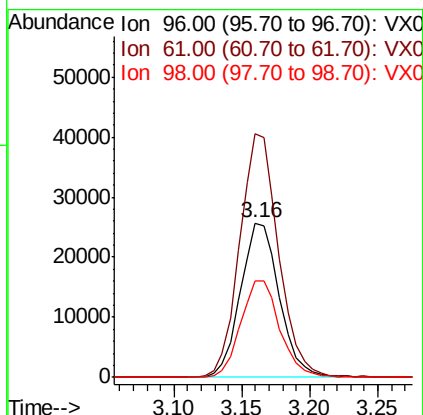
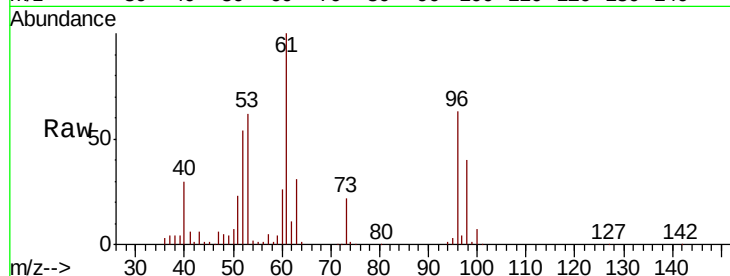




#19
trans-1,2-Dichloroethene
Concen: 19.517 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

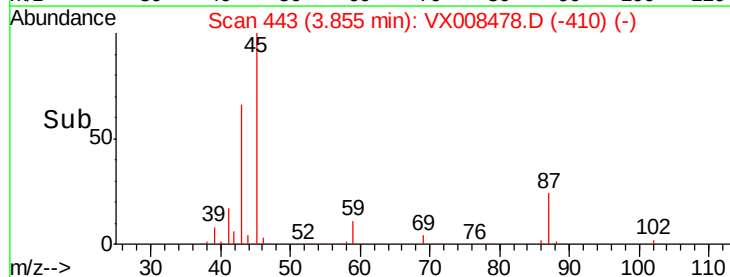
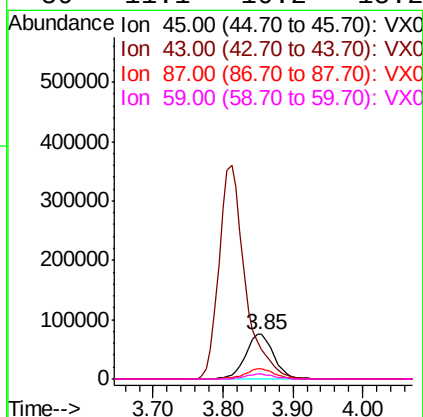
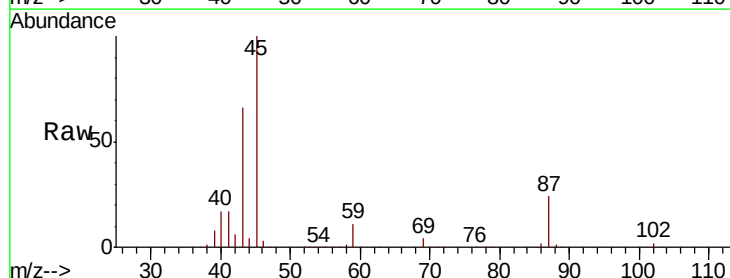
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

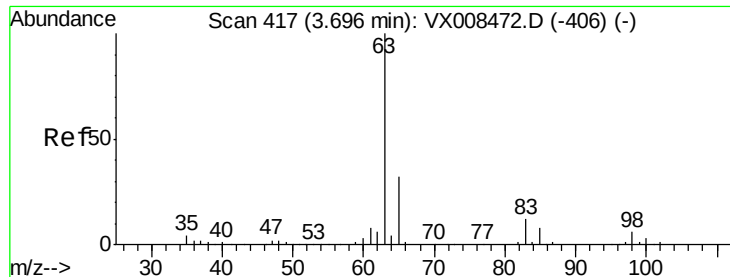
Tot Ion: 96 Resp: 51439
Ion Ratio Lower Upper
96 100
61 157.3 109.9 164.9
98 62.3 50.4 75.6



#20
Diisopropyl ether
Concen: 19.621 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 45 Resp: 211725
Ion Ratio Lower Upper
45 100
43 66.3 50.6 76.0
87 23.6 24.5 36.7#
59 11.1 10.2 15.2





#21

1,1-Dichloroethane

Concen: 19.457 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

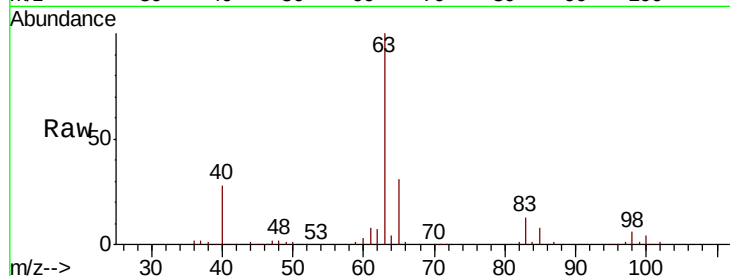
Tot Ion: 63 Resp: 105389

Ion Ratio Lower Upper

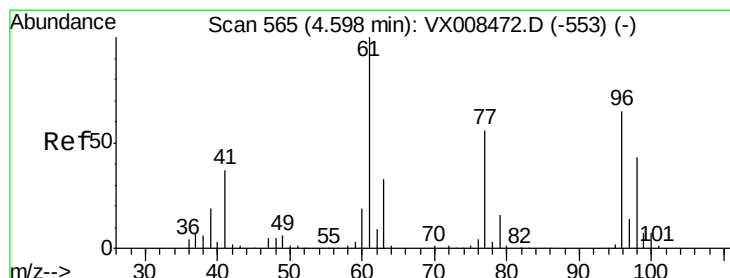
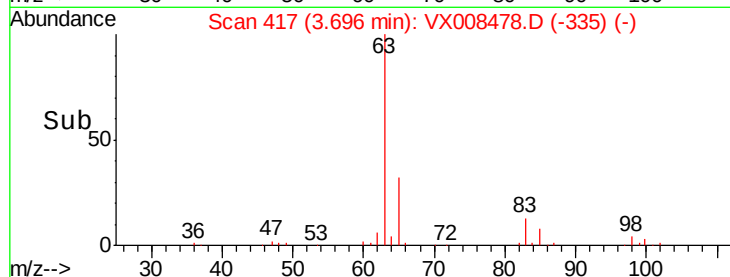
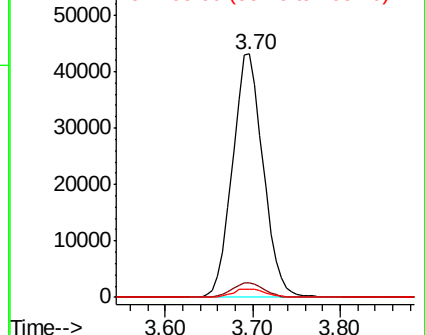
63 100

98 6.2 3.8 11.4

100 3.5 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: 19.477 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

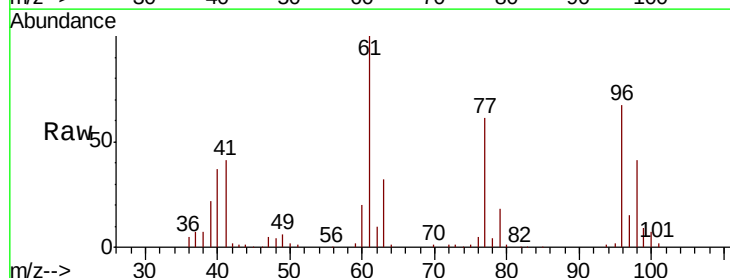
Tgt Ion: 96 Resp: 59317

Ion Ratio Lower Upper

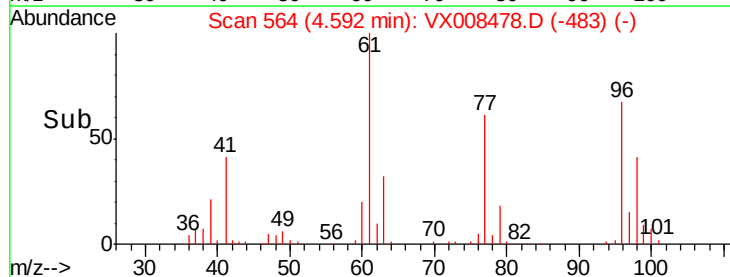
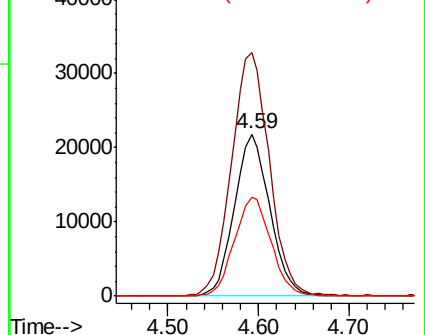
96 100

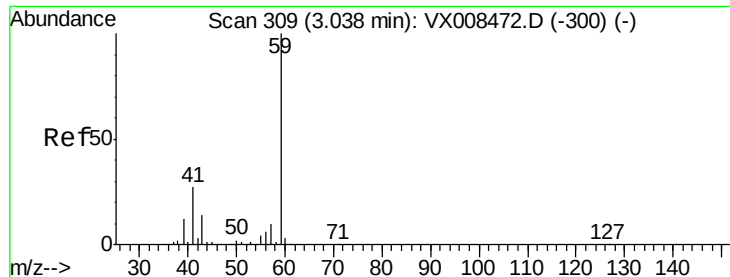
61 160.8 103.5 155.3#

98 63.2 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: 94.548 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

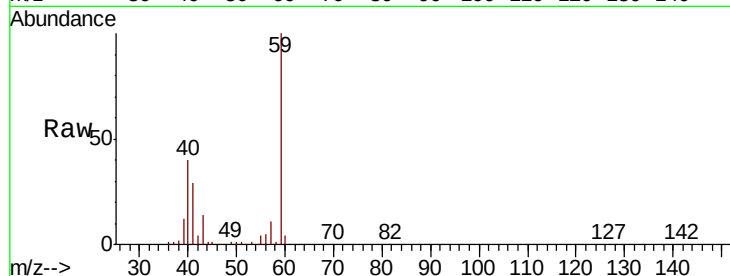
VSTDCCC020

Tot Ion: 59 Resp: 70574

Ion Ratio Lower Upper

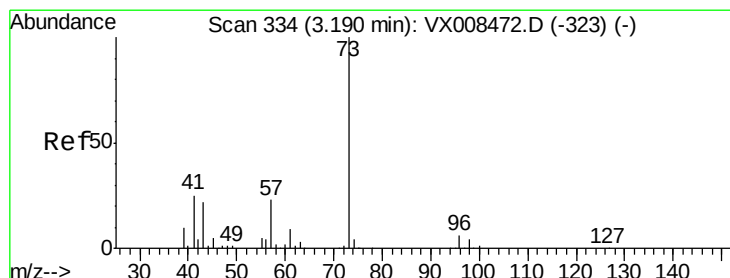
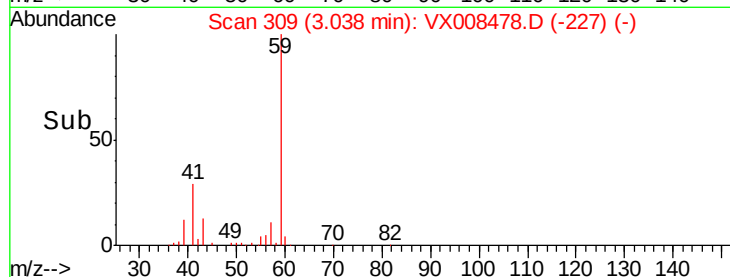
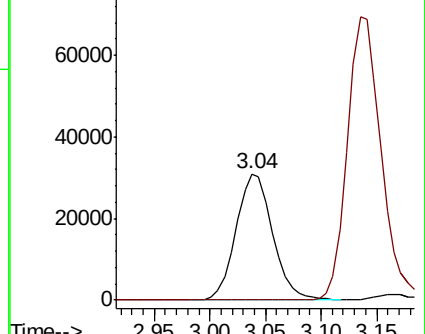
59 100

52 0.4 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 19.585 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.00 min

Lab File: VX008478.D

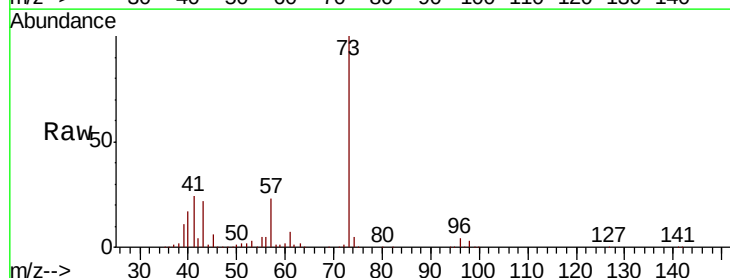
Acq: 27 Mar 2019 13:13

Tgt Ion: 73 Resp: 177558

Ion Ratio Lower Upper

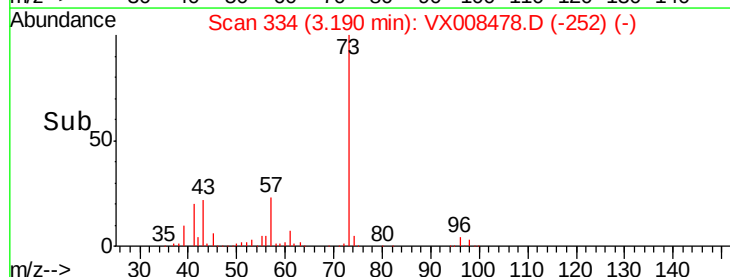
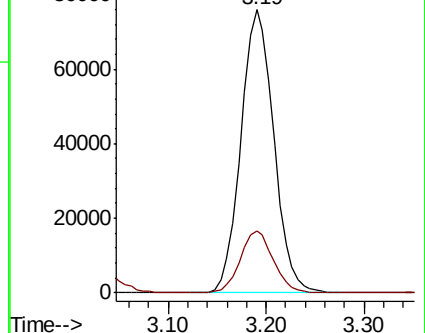
73 100

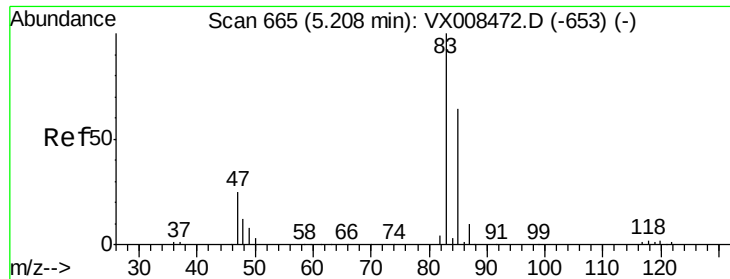
43 21.9 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

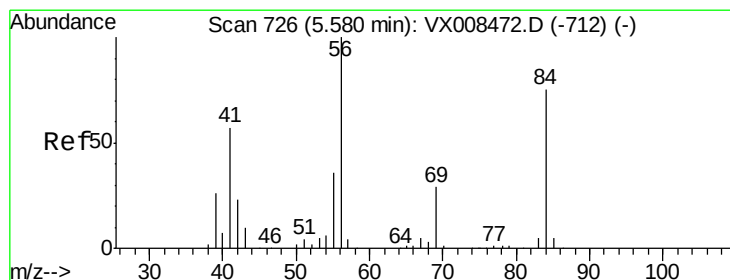
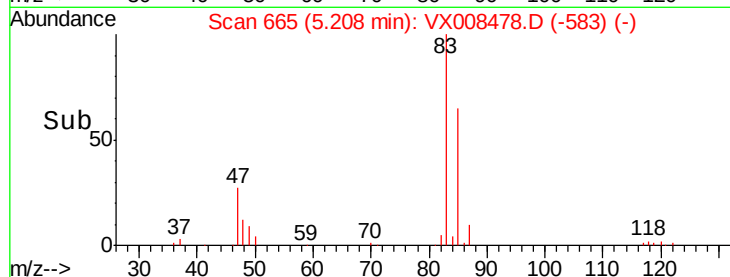
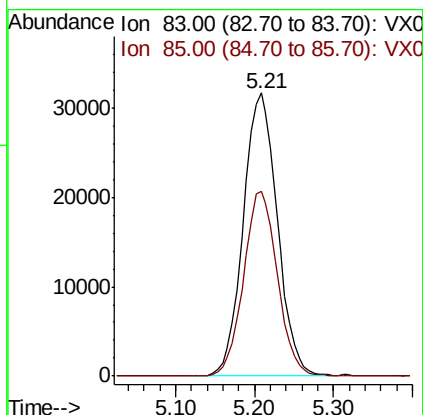
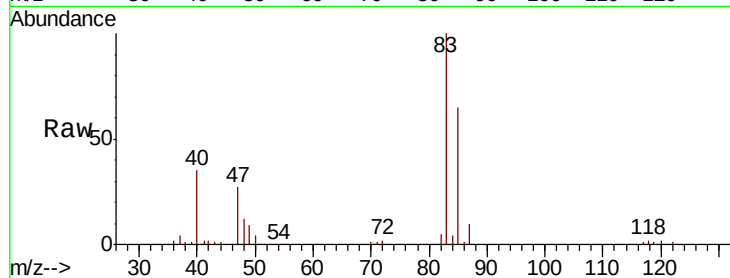




#25
Chloroform
Concen: 19.419 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

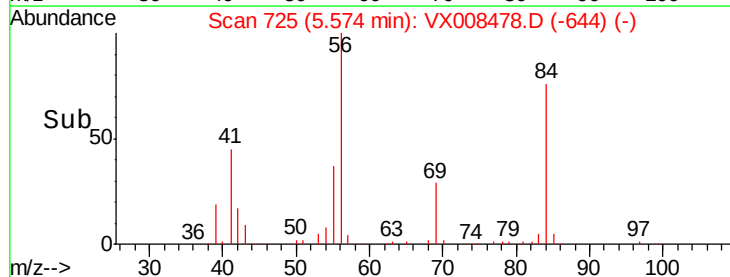
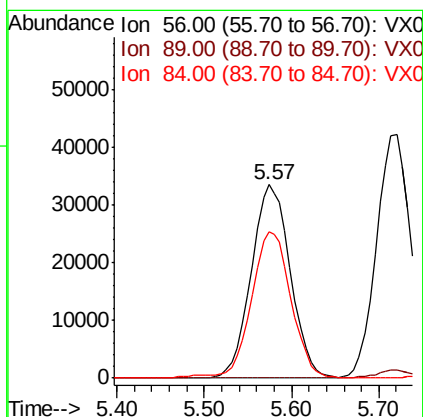
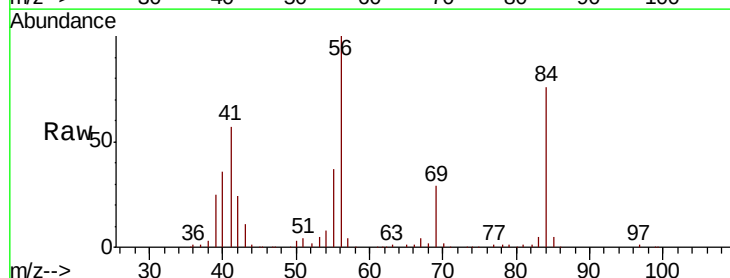
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

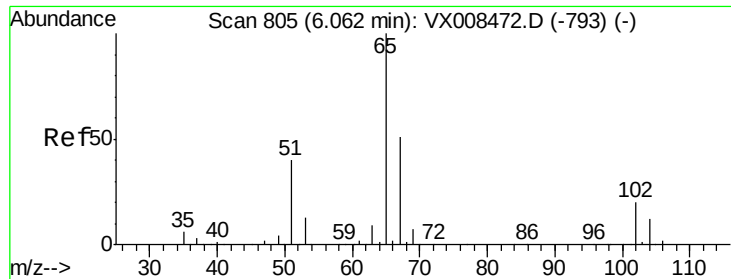
Tot Ion: 83 Resp: 95278
Ion Ratio Lower Upper
83 100
85 65.1 53.8 80.6



#26
Cyclohexane
Concen: 19.835 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 56 Resp: 104376
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.6 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.693 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

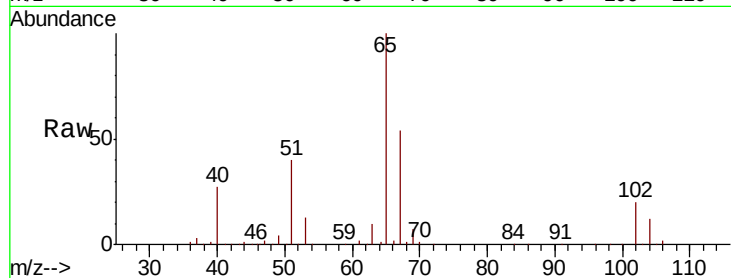
VSTDCCC020

Tot Ion: 65 Resp: 96763

Ion Ratio Lower Upper

65 100

67 54.6 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

40000

30000

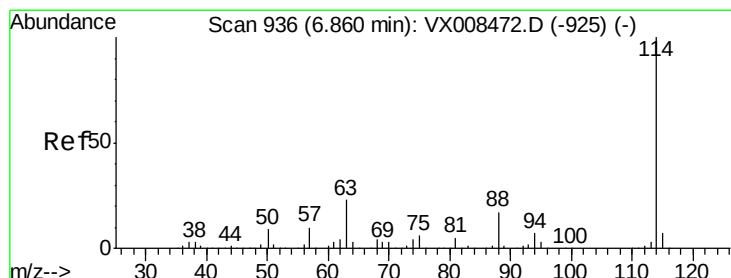
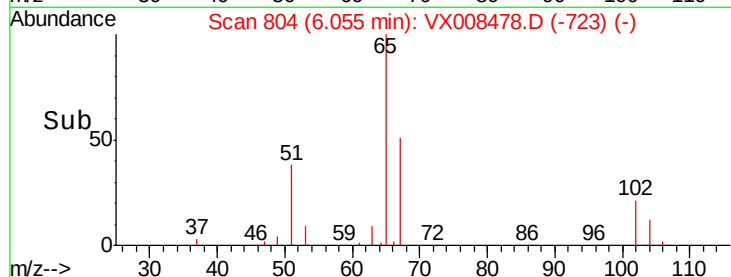
20000

10000

0

6.00 6.10 6.20

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

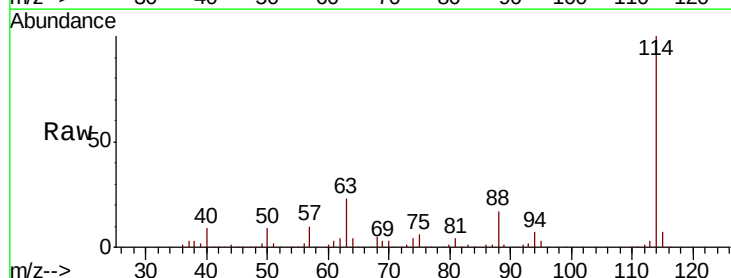
Tgt Ion: 114 Resp: 228028

Ion Ratio Lower Upper

114 100

63 23.2 14.2 21.4#

88 16.7 11.9 17.9



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

120000

100000

80000

60000

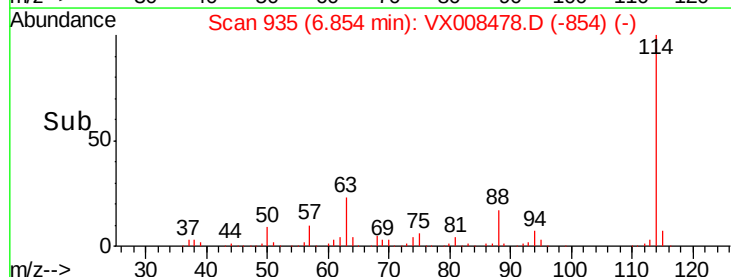
40000

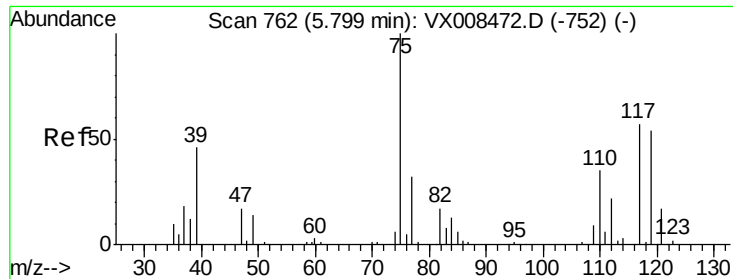
20000

0

6.80 6.90 7.00

Time-->

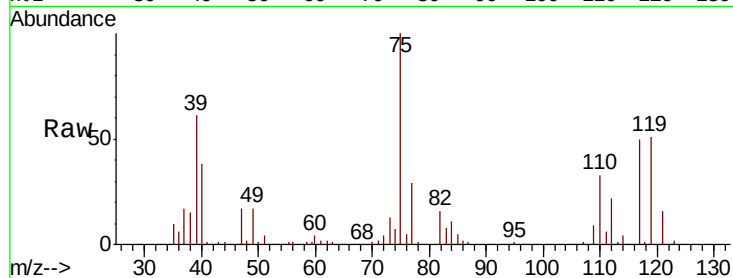




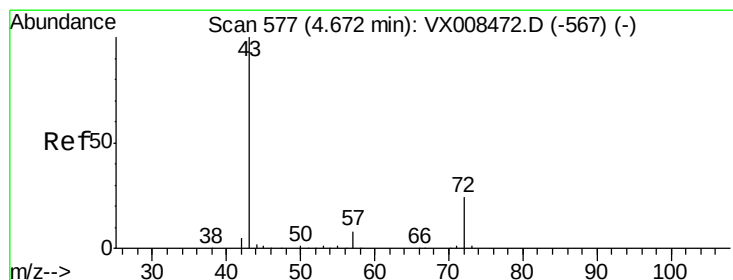
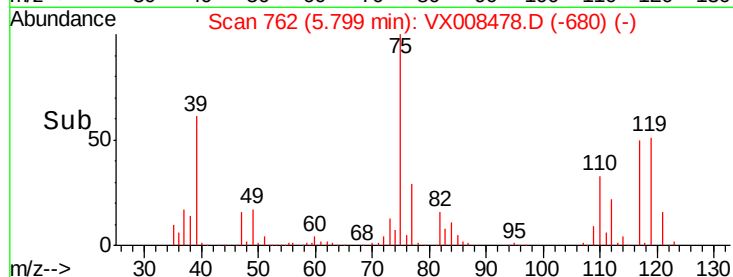
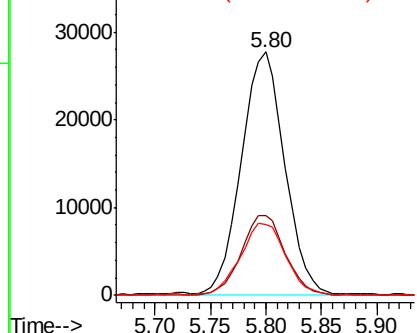
#29
 1,1-Dichloropropene
 Concen: 19.699 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 75 Resp: 75571
 Ion Ratio Lower Upper
 75 100
 110 33.1 0.0 80.8
 77 31.3 0.0 62.4

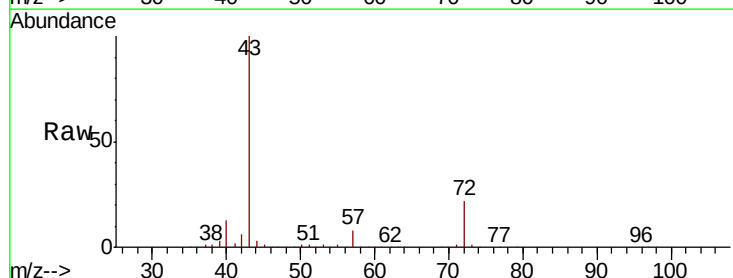


Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VX0

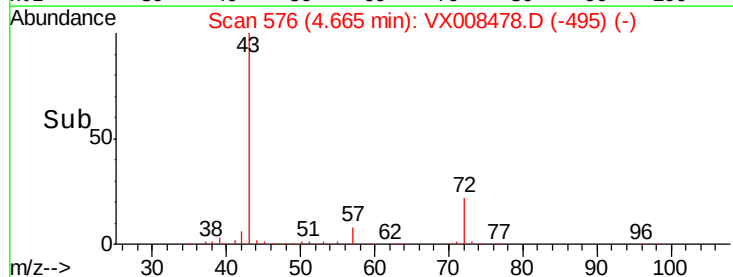
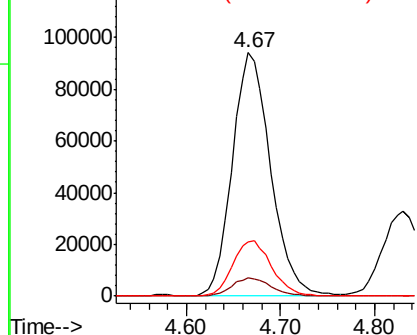


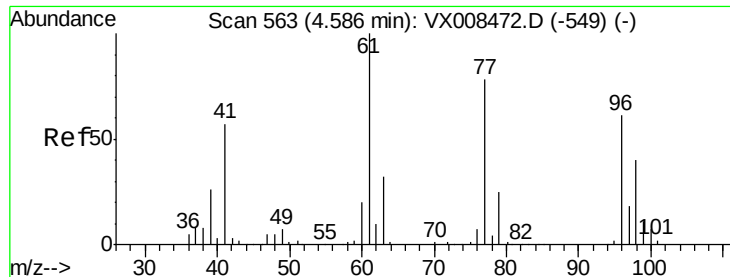
#30
 2-Butanone
 Concen: 94.163 ug/l
 RT: 4.67 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 43 Resp: 265632
 Ion Ratio Lower Upper
 43 100
 57 7.7 7.0 10.6
 72 23.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 19.267 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

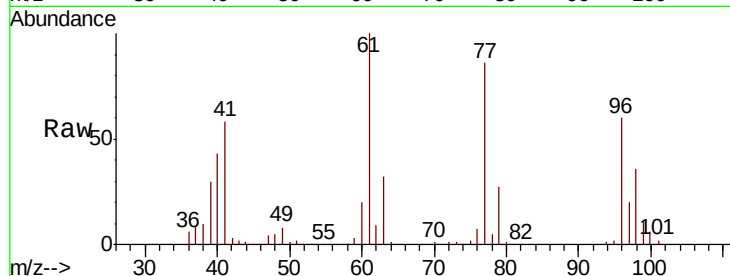
VSTDCCC020

Tot Ion: 77 Resp: 73822

Ion Ratio Lower Upper

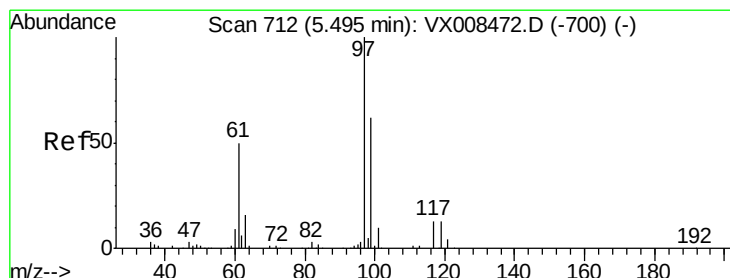
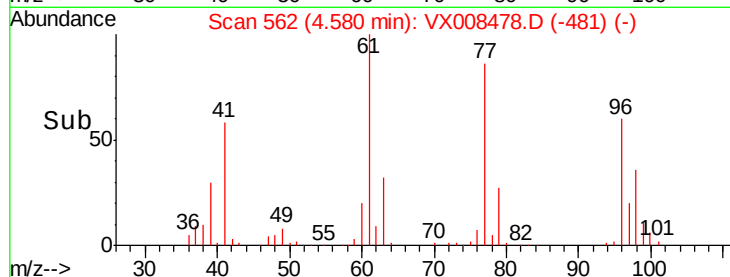
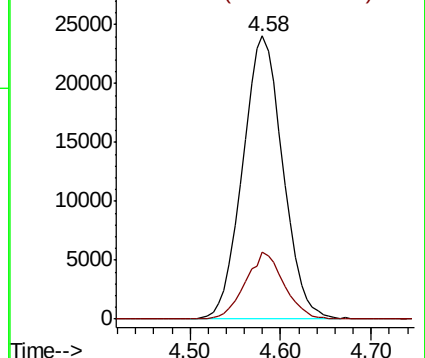
77 100

97 22.7 20.6 31.0



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.097 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

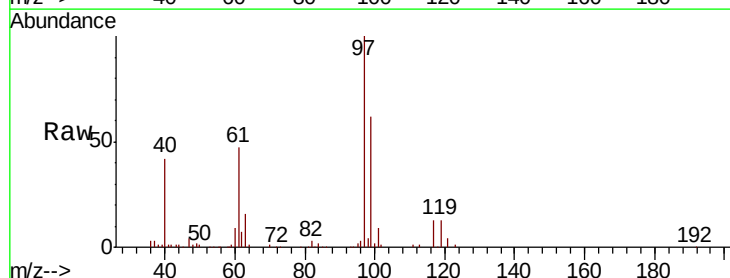
Tgt Ion: 97 Resp: 76077

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

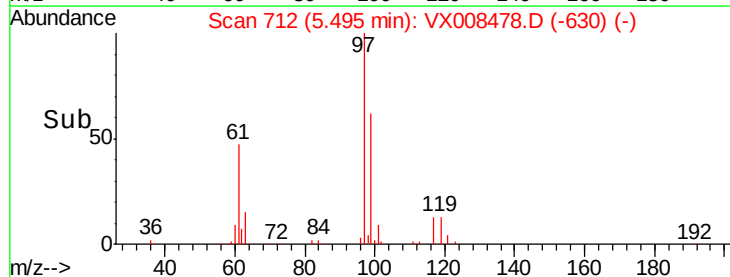
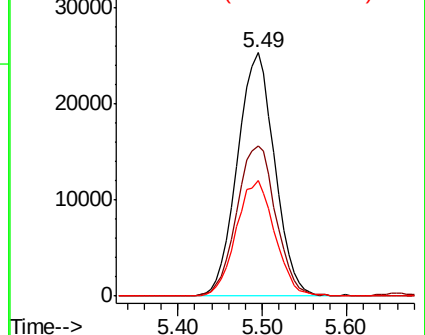
61 49.0 32.8 49.2

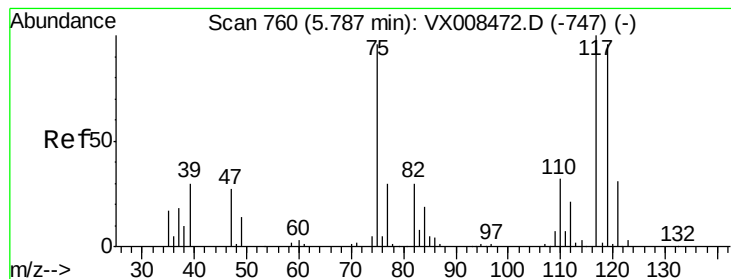


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 19.067 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

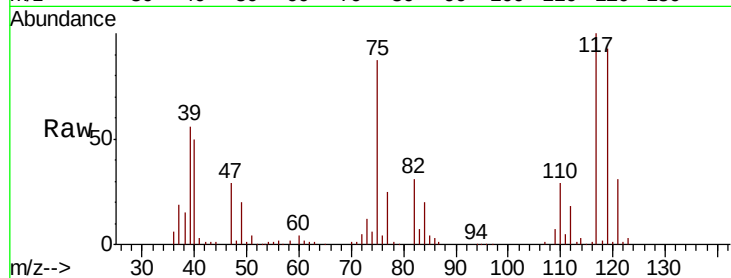
Tot Ion:117 Resp: 63551

Ion Ratio Lower Upper

117 100

119 93.2 78.1 117.1

121 31.4 27.0 40.6

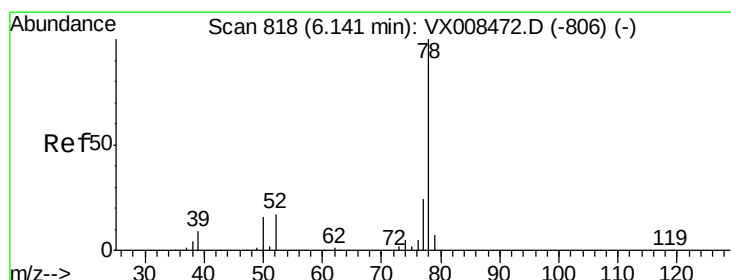
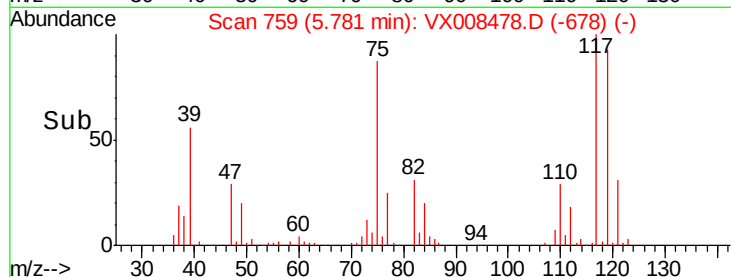
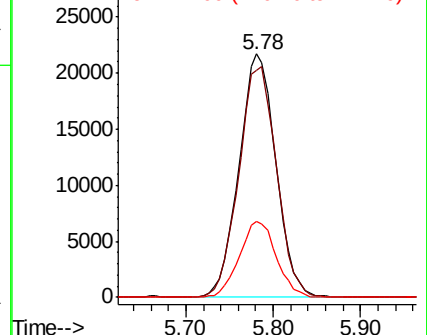


Abundance

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: 19.441 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

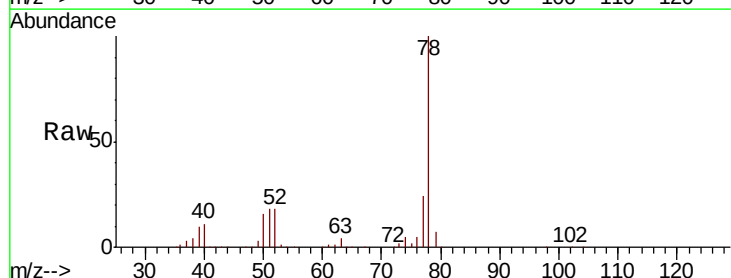
Tgt Ion: 78 Resp: 227973

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7

51 17.5 10.8 16.2#

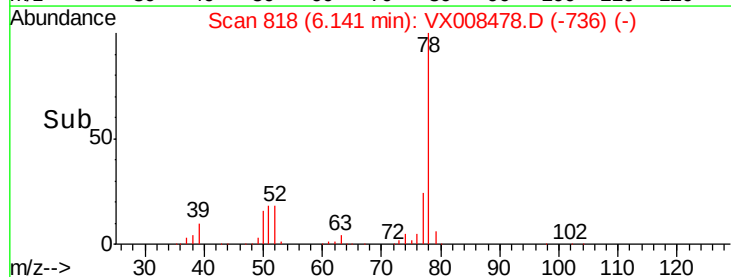
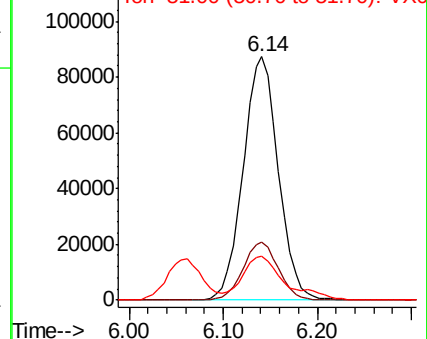


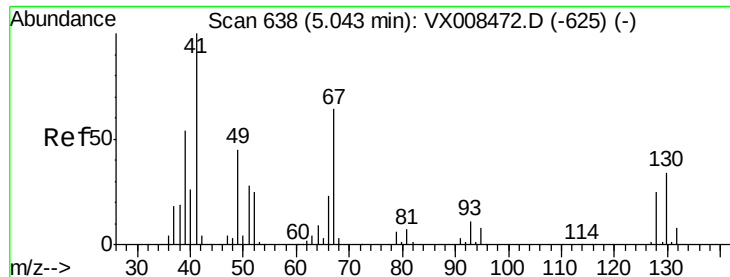
Abundance

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

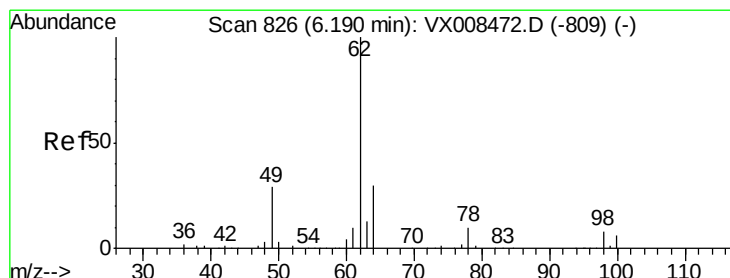
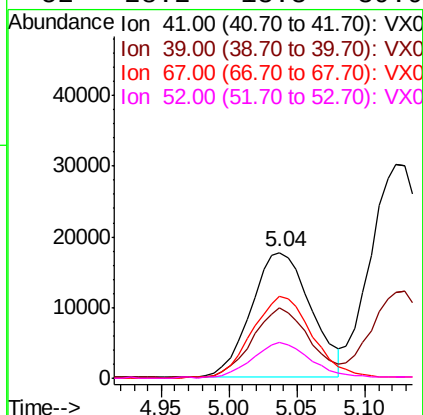
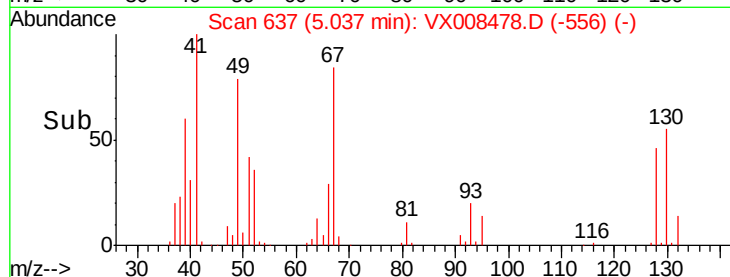
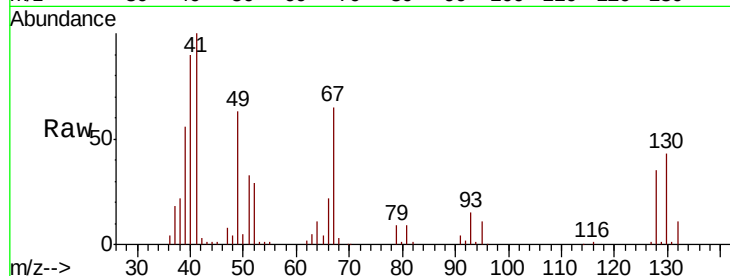




#35
Methacrylonitrile
Concen: 18.988 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

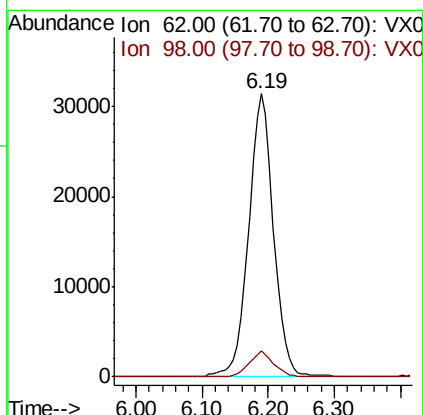
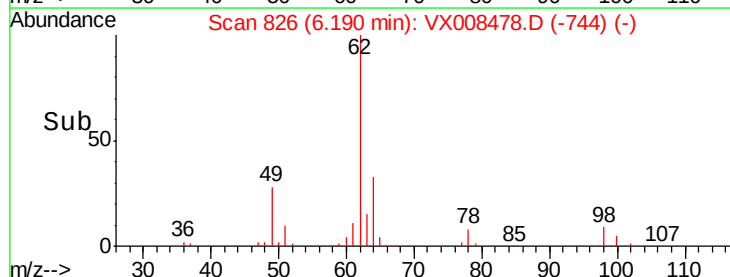
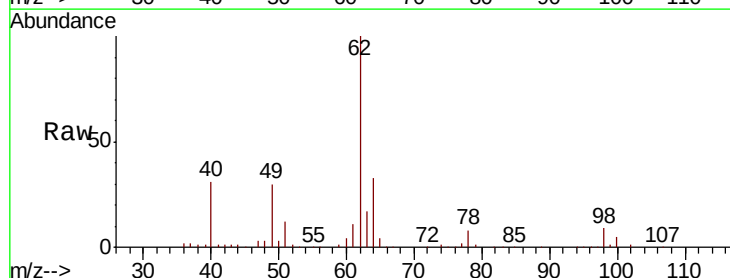
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

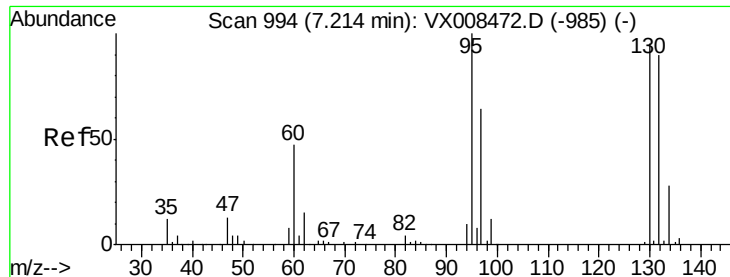
Tot Ion: 41 Resp: 54471
Ion Ratio Lower Upper
41 100
39 56.0 27.4 82.0
67 65.0 37.9 113.6
52 28.2 13.3 39.9



#36
1,2-Dichloroethane
Concen: 19.714 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 62 Resp: 82420
Ion Ratio Lower Upper
62 100
98 8.7 7.8 11.8





#37

Trichloroethene

Concen: 19.581 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

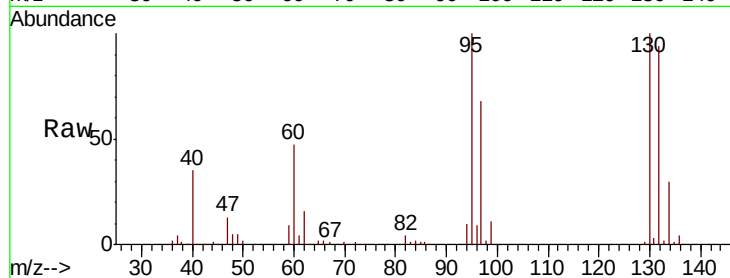
VSTDCCC020

Tot Ion:130 Resp: 52805

Ion Ratio Lower Upper

130 100

95 99.8 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

30000

25000

20000

15000

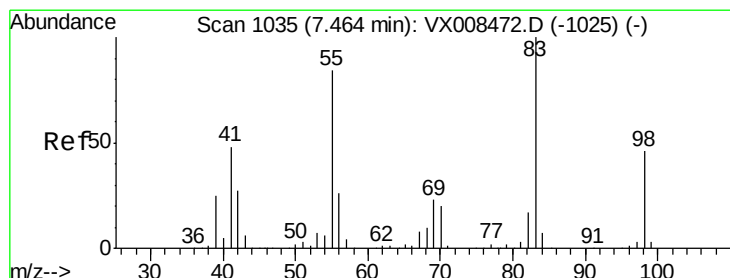
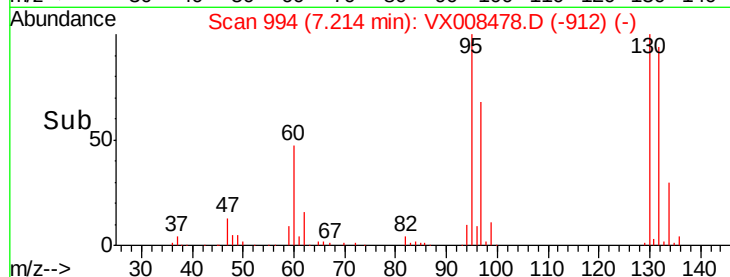
10000

5000

0

7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 19.820 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

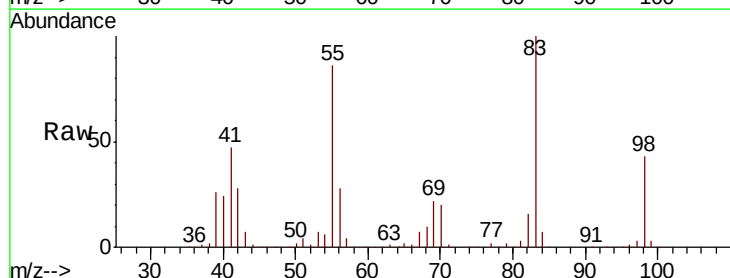
Tgt Ion: 83 Resp: 95810

Ion Ratio Lower Upper

83 100

55 86.3 36.0 108.0

98 44.4 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

60000

50000

40000

30000

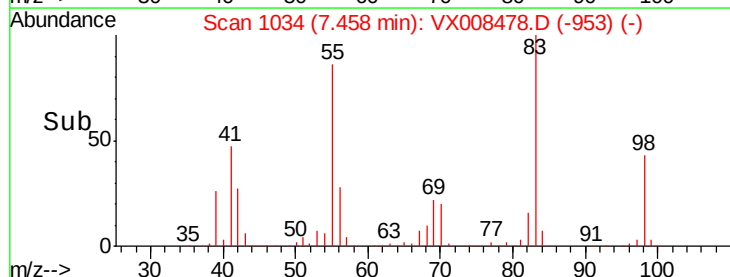
20000

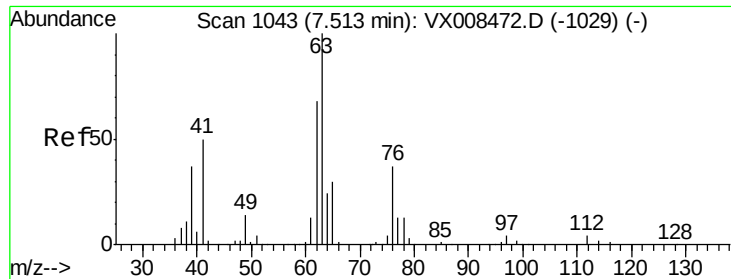
10000

0

7.40 7.50

Time-->

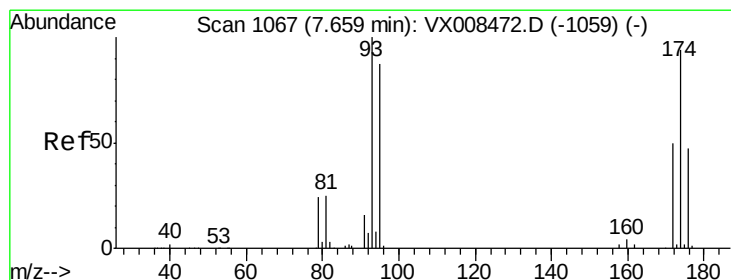
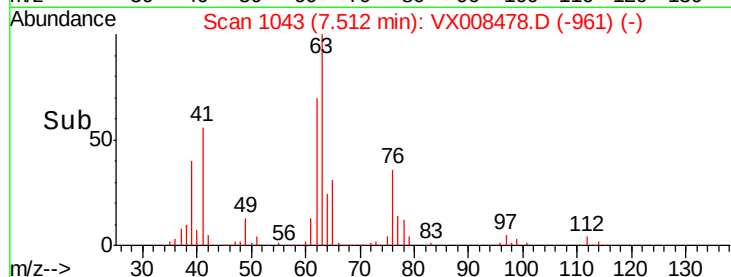
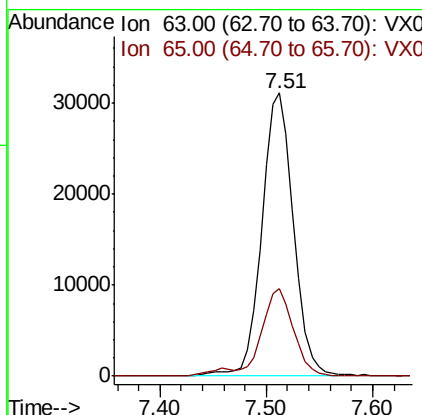
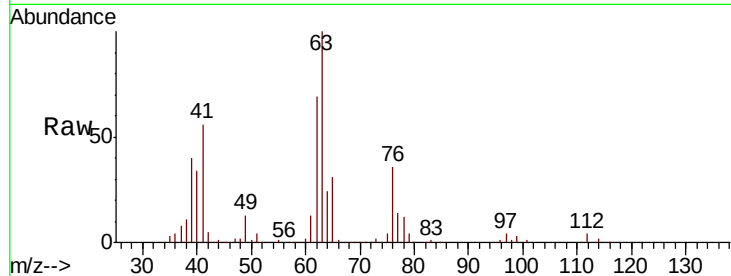




#39
 1,2-Dichloropropane
 Concen: 19.400 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

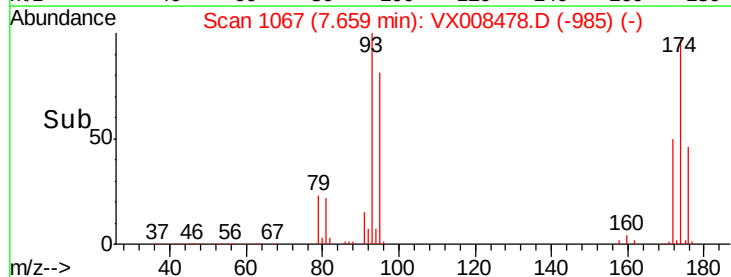
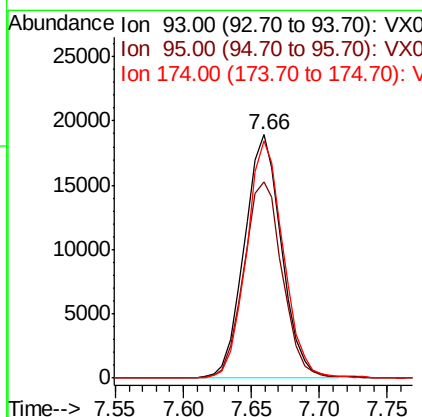
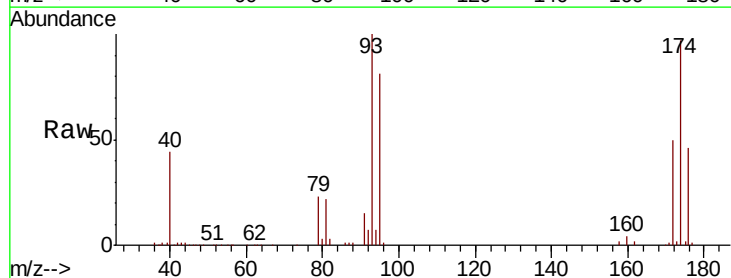
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

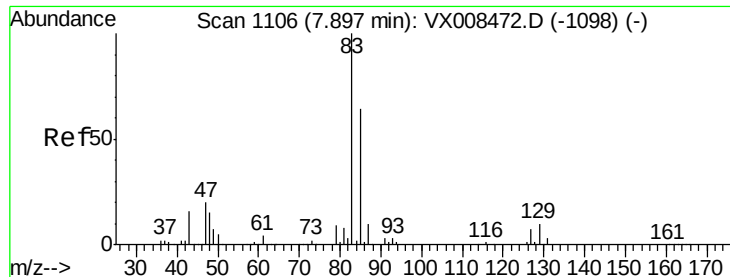
Tot Ion: 63 Resp: 64525
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#40
 Dibromomethane
 Concen: 18.801 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 93 Resp: 36224
 Ion Ratio Lower Upper
 93 100
 95 83.9 0.0 158.8
 174 96.6 0.0 224.2





#41

Bromodichloromethane

Concen: 18.790 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

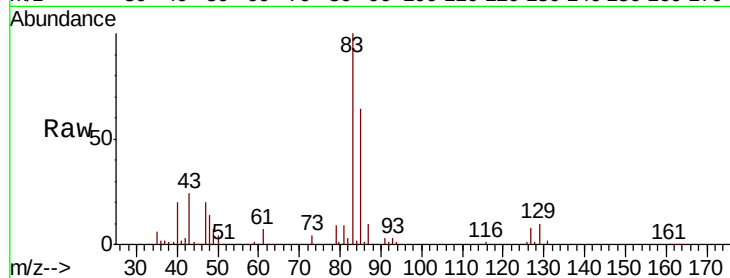
Tot Ion: 83 Resp: 71186

Ion Ratio Lower Upper

83 100

85 64.2 51.1 76.7

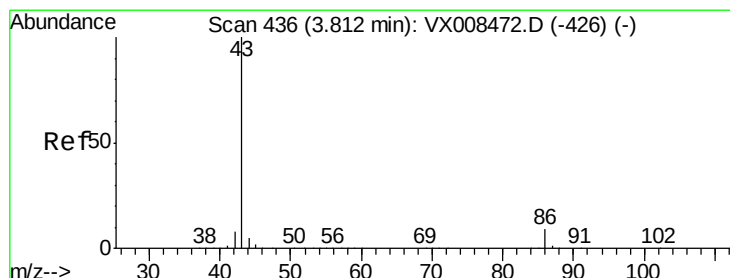
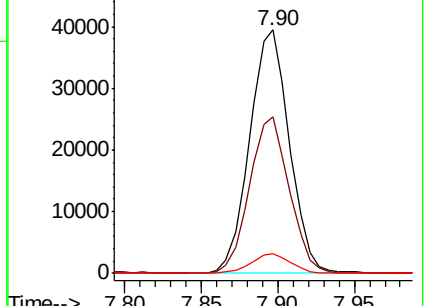
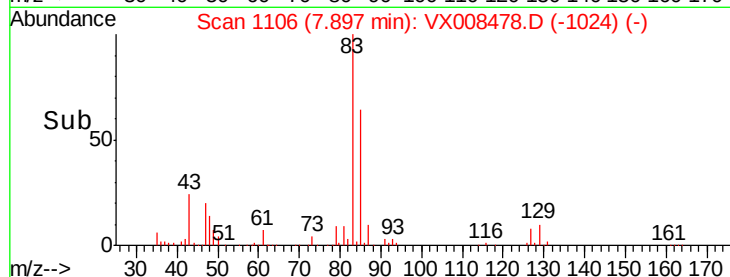
127 8.1 7.2 10.8



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: 97.701 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008478.D

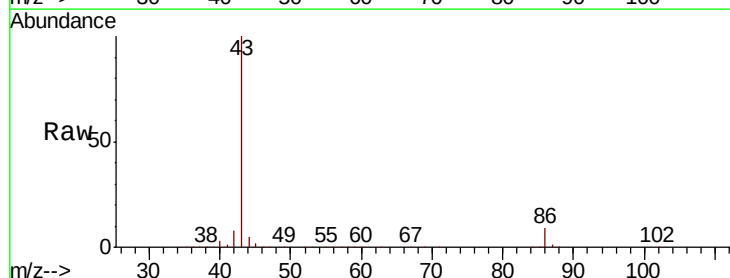
Acq: 27 Mar 2019 13:13

Tgt Ion: 43 Resp: 934299

Ion Ratio Lower Upper

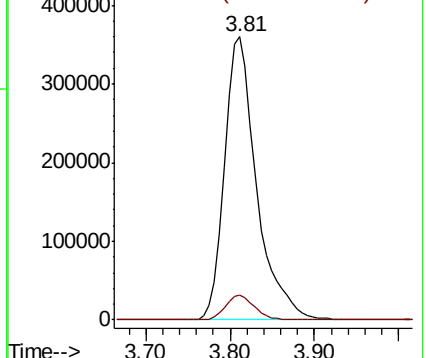
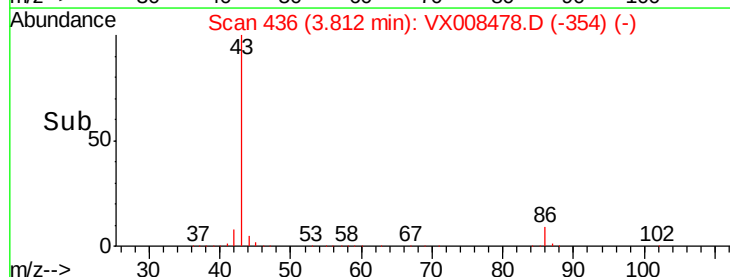
43 100

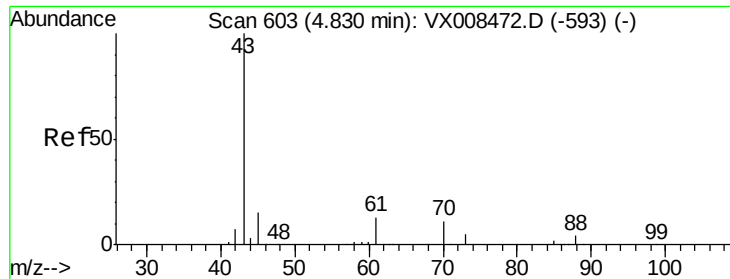
86 7.9 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 19.236 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

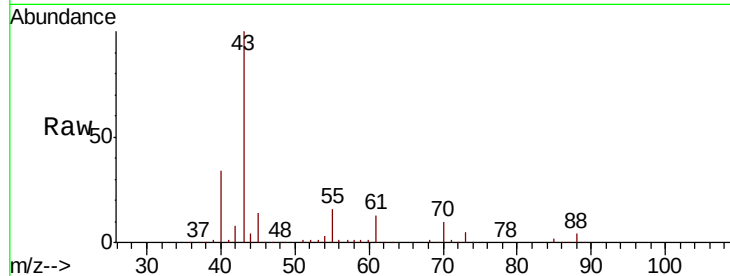
VSTDCCC020

Tot Ion: 43 Resp: 97668

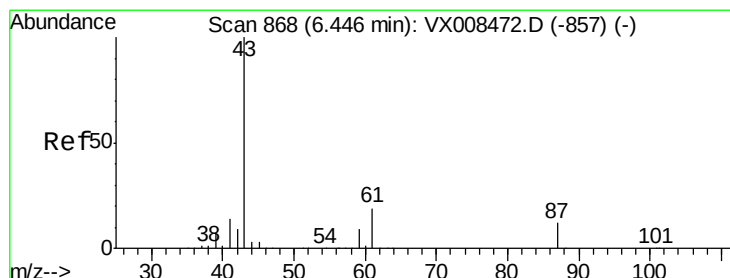
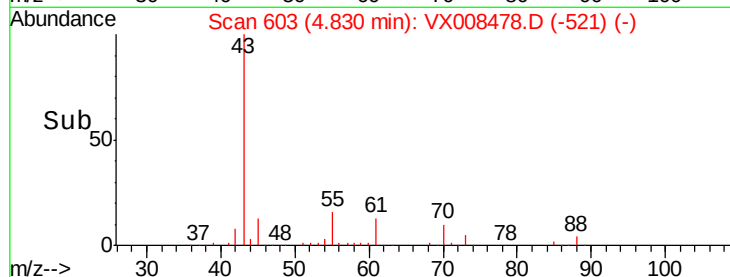
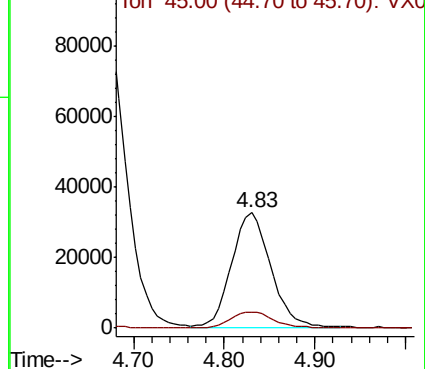
Ion Ratio Lower Upper

43 100

45 15.6 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#44

Isopropyl Acetate

Concen: 18.853 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX008478.D

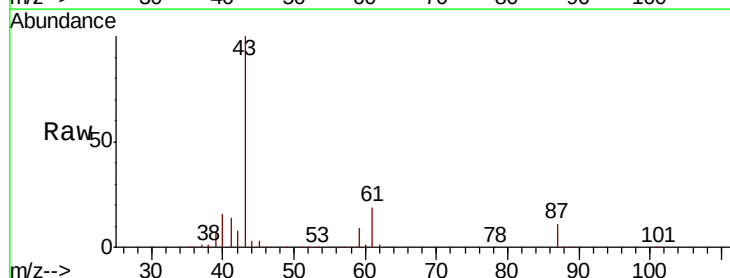
Acq: 27 Mar 2019 13:13

Tgt Ion: 43 Resp: 154781

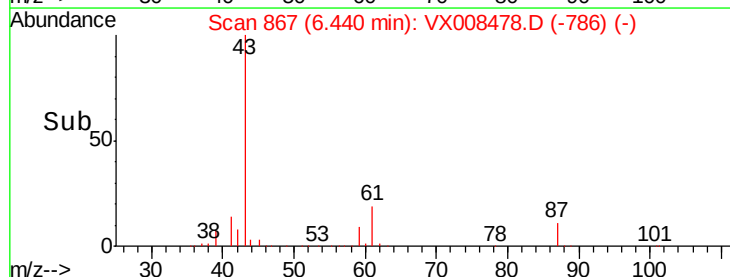
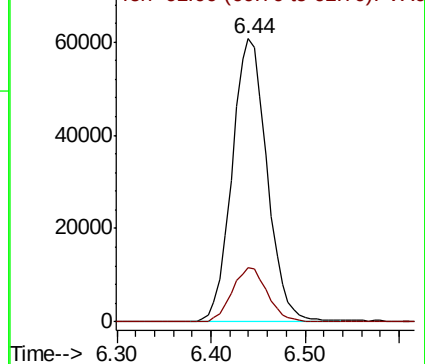
Ion Ratio Lower Upper

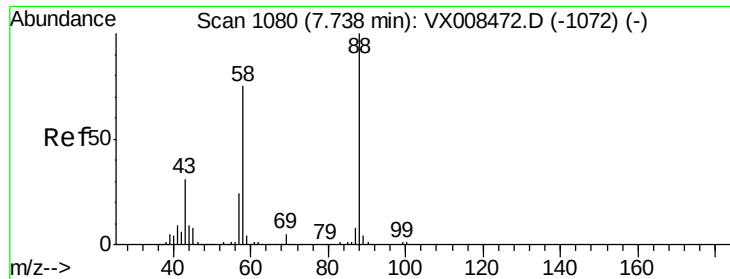
43 100

61 19.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

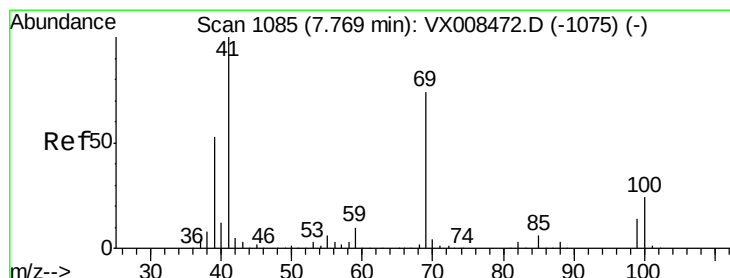
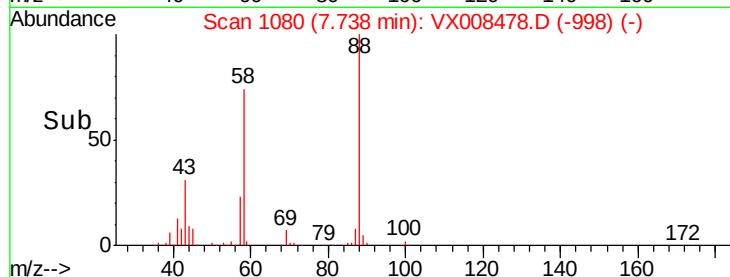
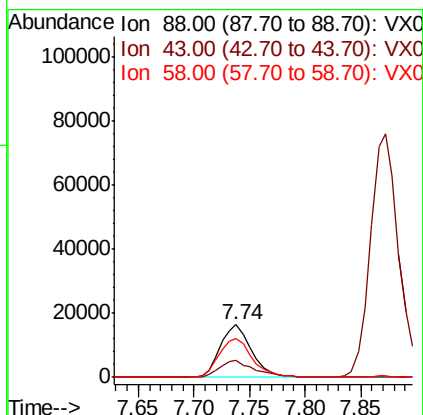
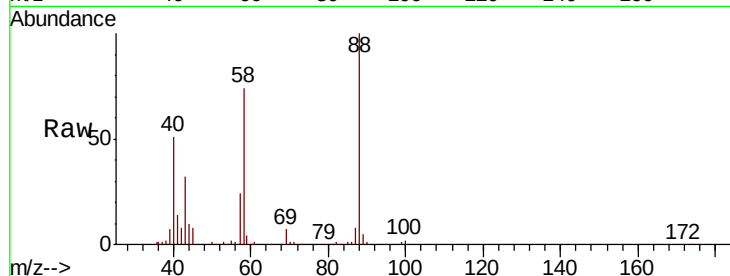




#45
 1,4-Dioxane
 Concen: 392.872 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

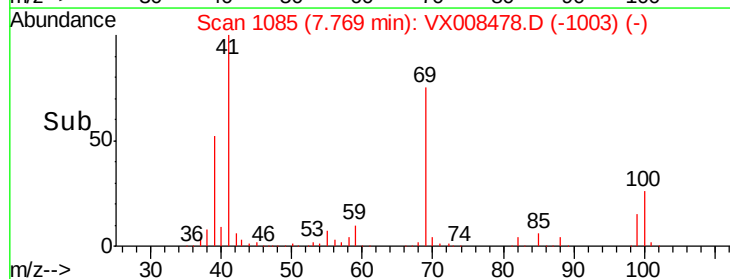
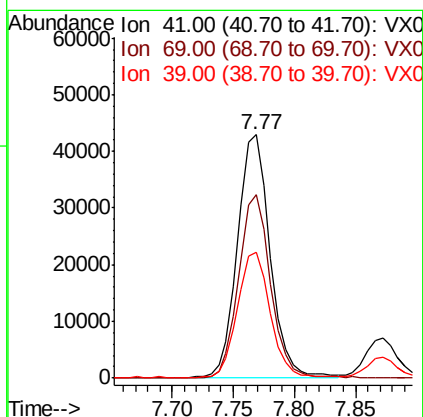
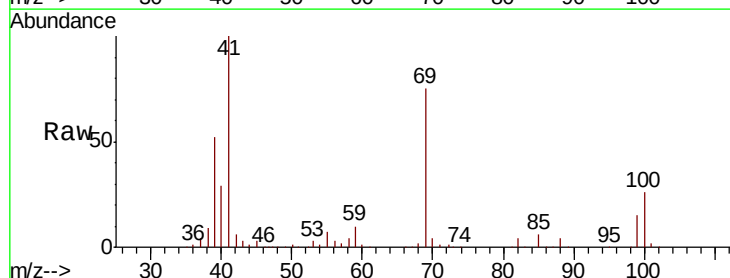
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

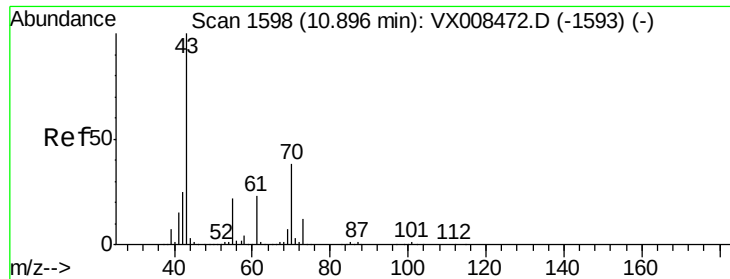
Tot Ion: 88 Resp: 32109
 Ion Ratio Lower Upper
 88 100
 43 35.1 23.6 35.4
 58 79.2 51.6 77.4#



#46
 Methyl methacrylate
 Concen: 18.967 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 41 Resp: 79087
 Ion Ratio Lower Upper
 41 100
 69 75.4 44.2 132.6
 39 51.8 29.9 89.8





#47

n-amvl Acetate

Concen: 18.785 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

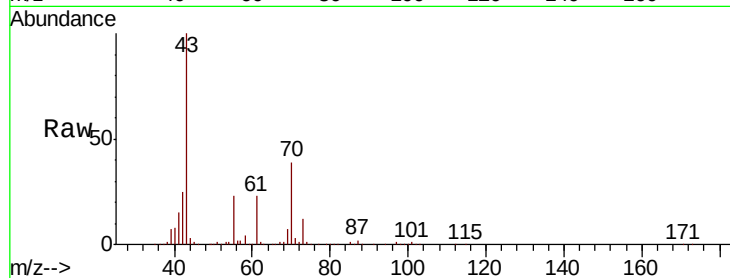
VSTDCCC020

Tot Ion: 43 Resp: 140088

Ion Ratio Lower Upper

43 100

55 23.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

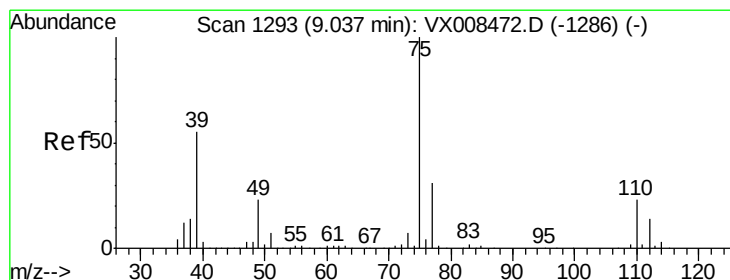
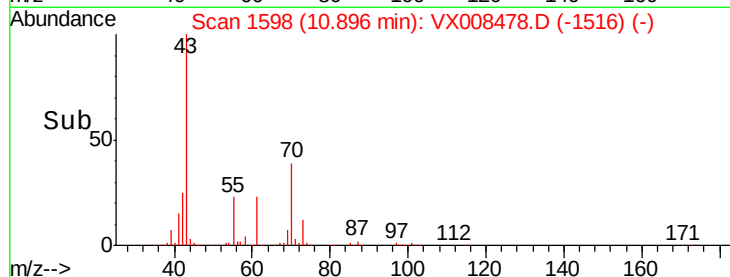
100000

50000

0

Time-->

10.85 10.90 10.95



#48

t-1,3-Dichloropropene

Concen: 18.596 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX008478.D

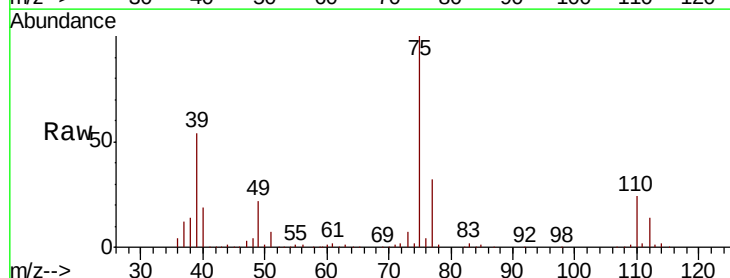
Acq: 27 Mar 2019 13:13

Tgt Ion: 75 Resp: 79575

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

60000

50000

40000

30000

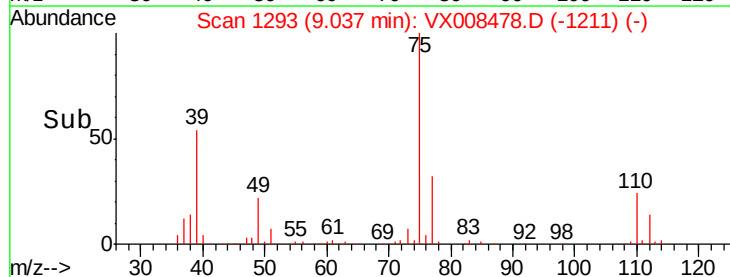
20000

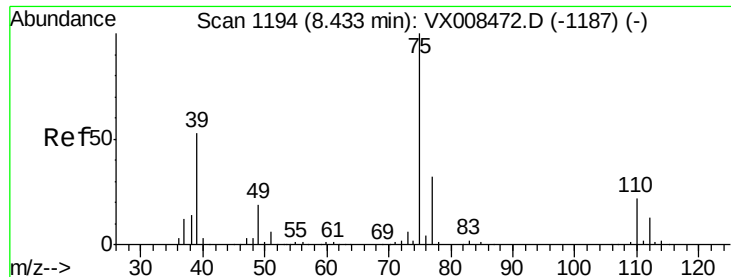
10000

0

Time-->

8.95 9.00 9.05 9.10 9.15



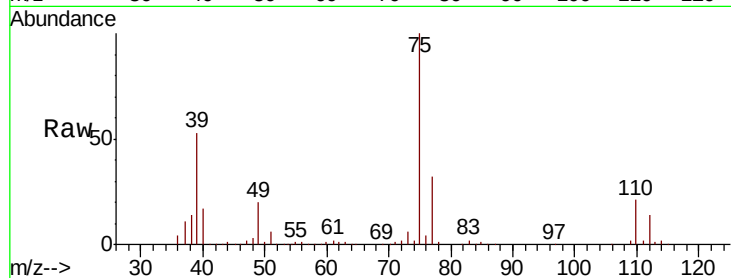


#49

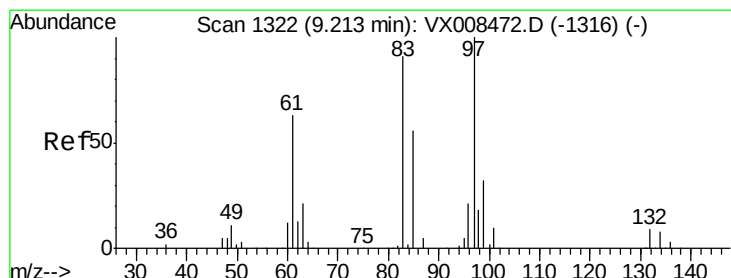
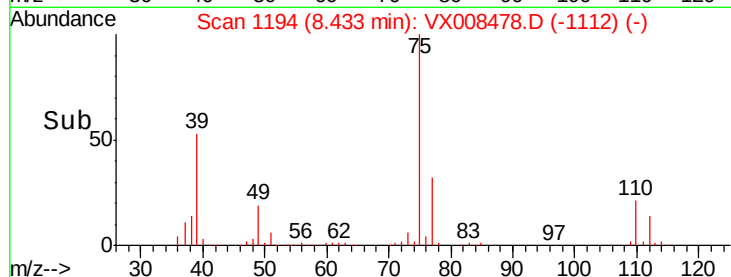
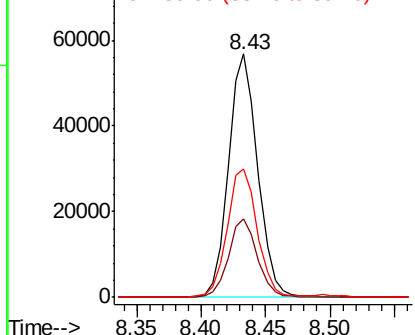
cis-1,3-Dichloropropene
 Concen: 18.779 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion: 75 Resp: 89882
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.4
 39 52.5 38.5 57.7



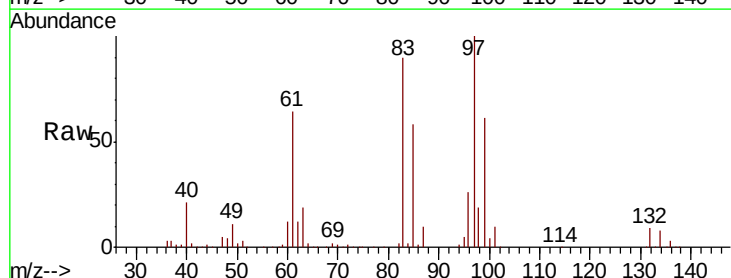
Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0



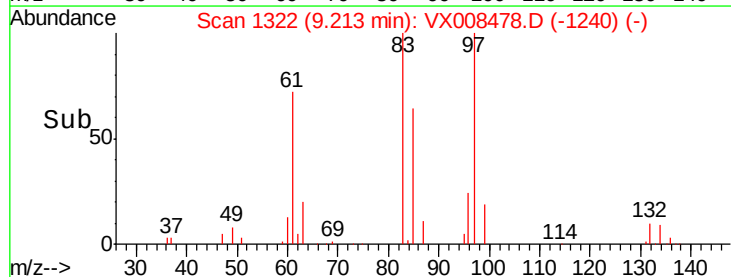
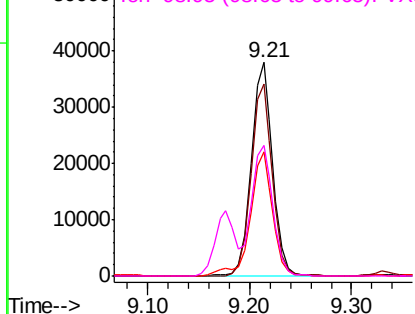
#50

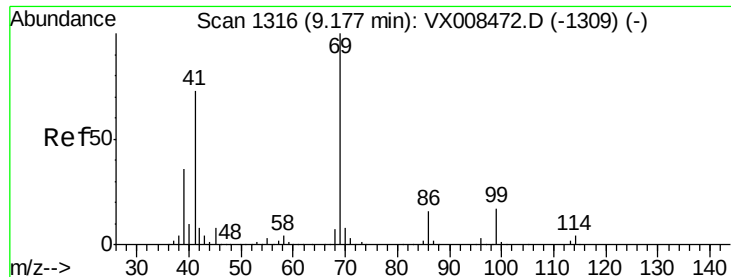
1,1,2-Trichloroethane
 Concen: 19.321 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 97 Resp: 55275
 Ion Ratio Lower Upper
 97 100
 83 89.9 72.0 108.0
 85 58.1 45.0 67.6
 99 61.3 54.2 81.4



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





#51

Ethyl methacrylate

Concen: 18.724 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

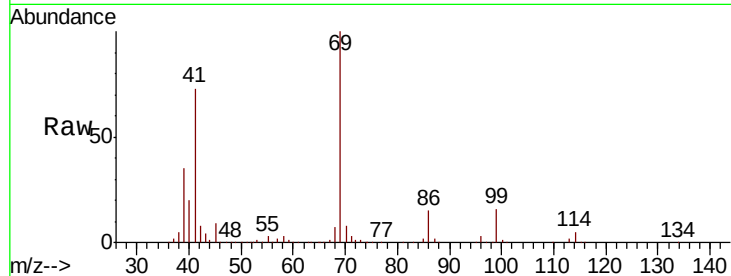
Tot Ion: 69 Resp: 99682

Ion Ratio Lower Upper

69 100

41 72.8 32.1 96.5

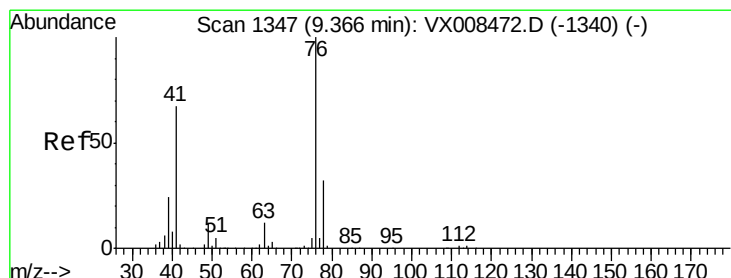
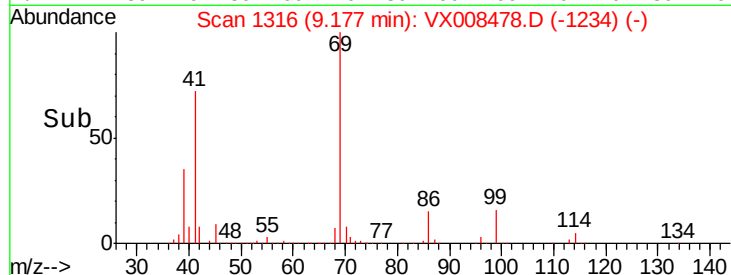
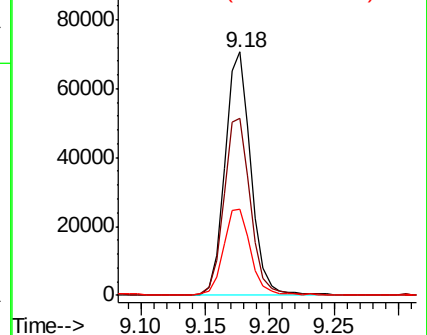
39 35.3 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.303 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX008478.D

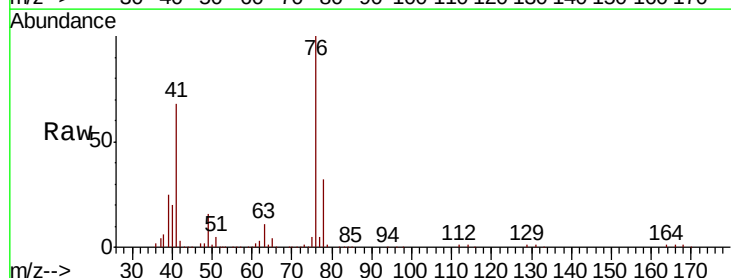
Acq: 27 Mar 2019 13:13

Tgt Ion: 76 Resp: 98248

Ion Ratio Lower Upper

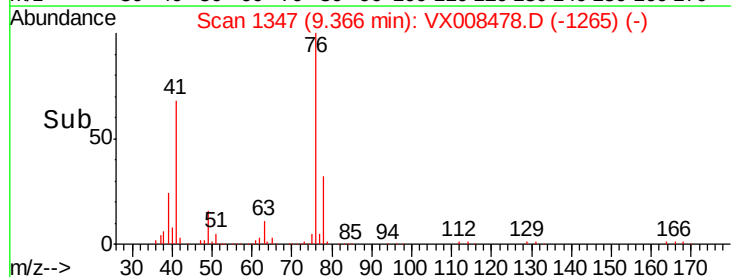
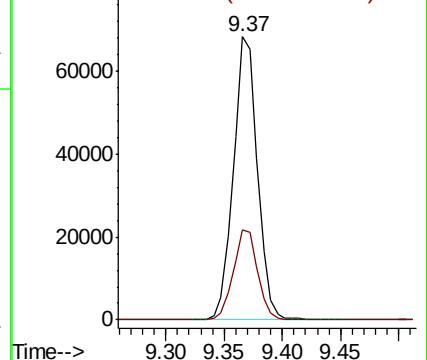
76 100

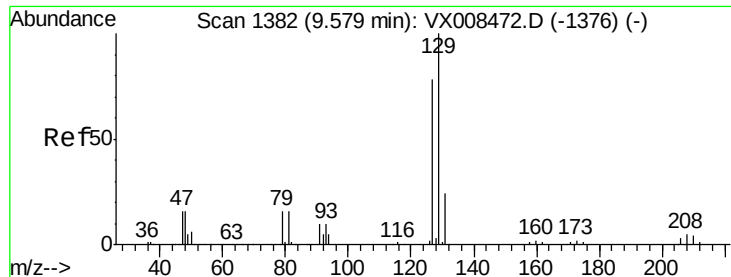
78 32.2 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

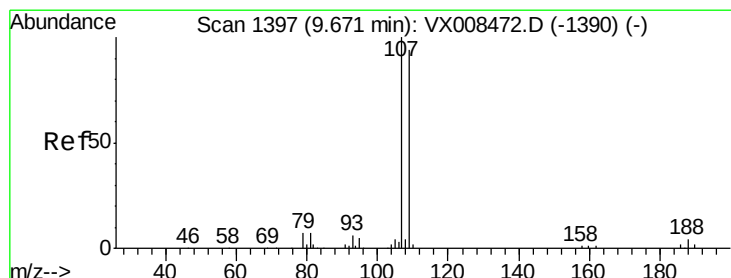
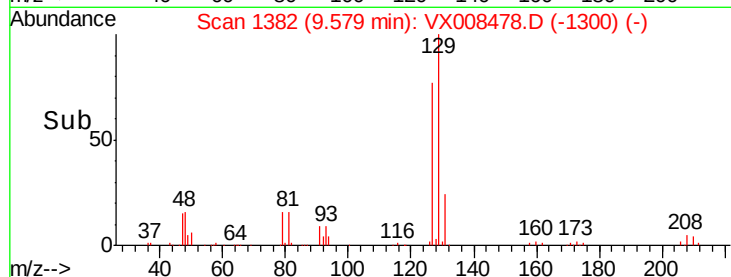
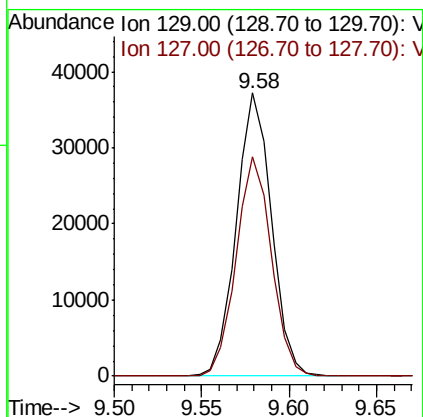
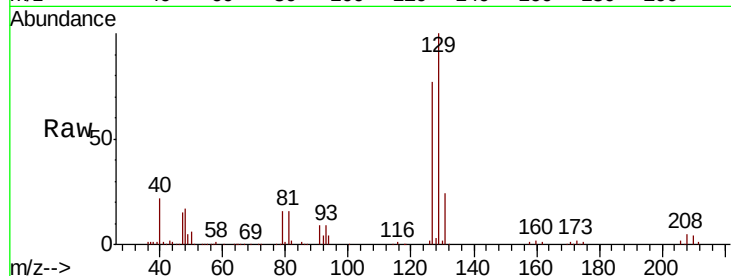




#53
Dibromochloromethane
Concen: 18.470 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

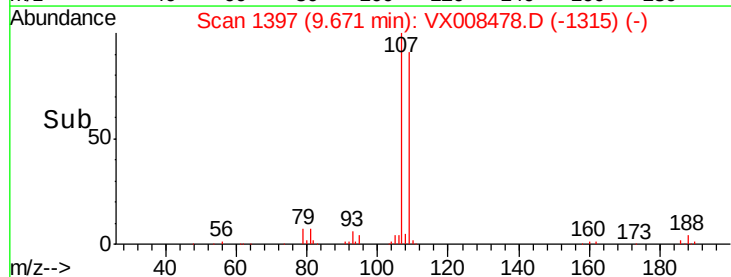
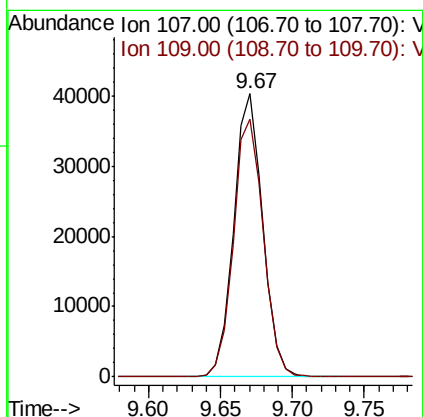
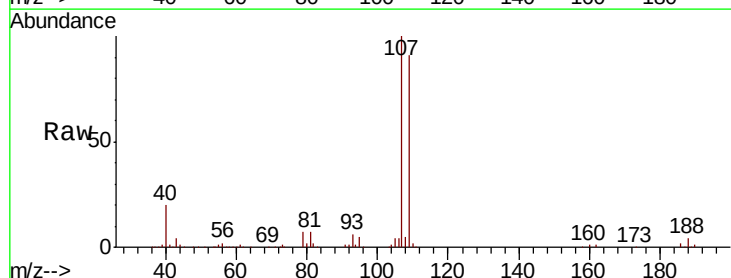
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

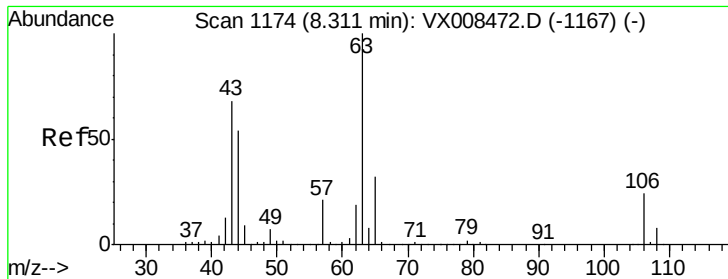
Tot Ion:129 Resp: 51998
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2



#54
1,2-Dibromoethane
Concen: 19.192 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion:107 Resp: 56602
Ion Ratio Lower Upper
107 100
109 93.7 76.6 115.0





#55

2-Chloroethyl vinyl ether

Concen: 101.843 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

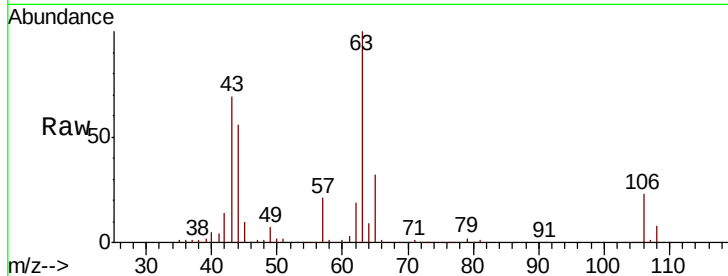
Tot Ion: 63 Resp: 273534

Ion Ratio Lower Upper

63 100

65 31.9 25.7 38.5

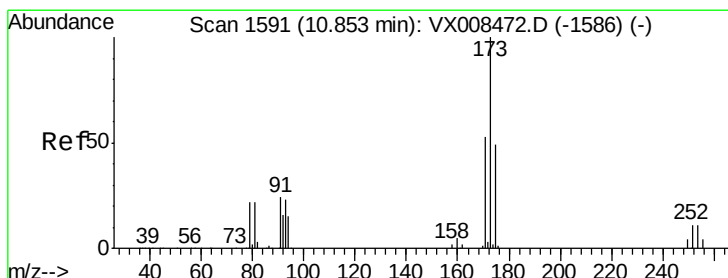
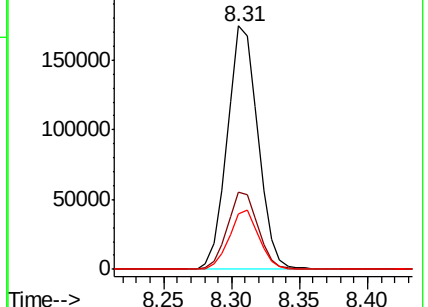
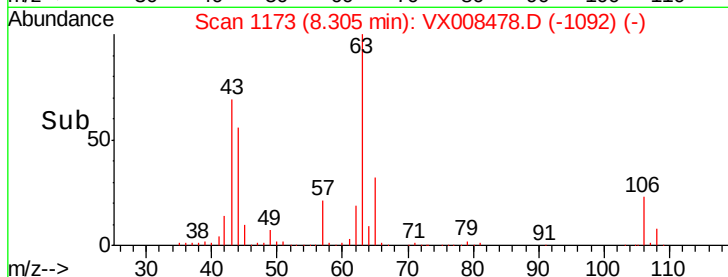
106 23.9 23.7 35.5



Abundance Ion 63.00 (62.70 to 63.70): VX008478.D (-1167) (-)

Ion 65.00 (64.70 to 65.70): VX008478.D (-1167) (-)

Ion 106.00 (105.70 to 106.70): VX008478.D (-1167) (-)



#56

Bromoform

Concen: 17.778 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

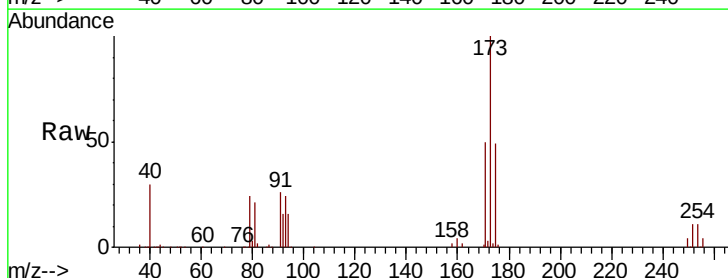
Tgt Ion: 173 Resp: 36475

Ion Ratio Lower Upper

173 100

175 48.6 38.5 57.7

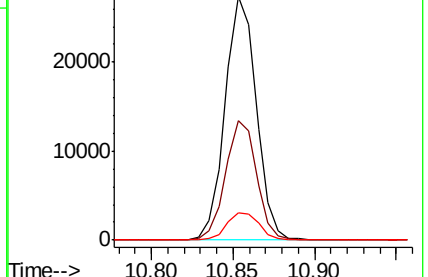
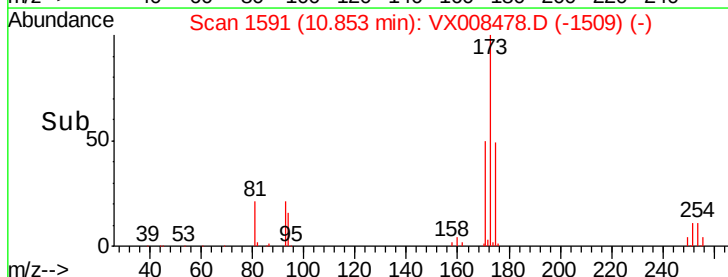
254 11.6 7.4 11.2#

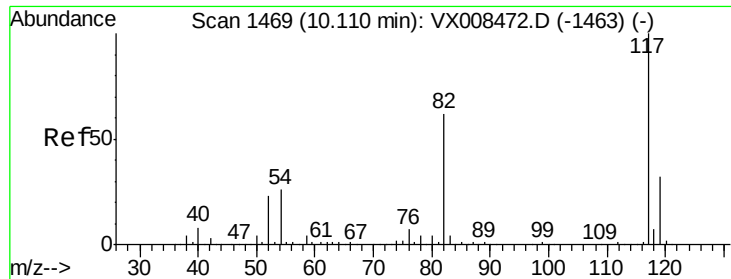


Abundance Ion 173.00 (172.70 to 173.70): VX008478.D (-1586) (-)

Ion 175.00 (174.70 to 175.70): VX008478.D (-1586) (-)

Ion 254.00 (253.70 to 254.70): VX008478.D (-1586) (-)

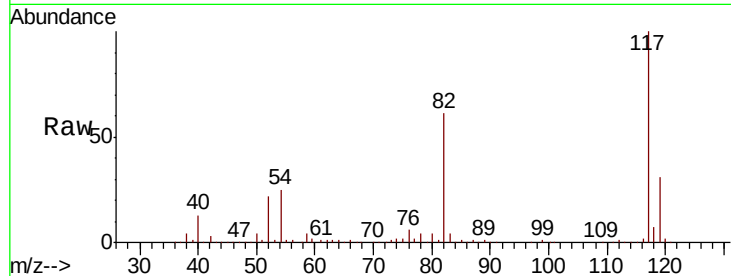




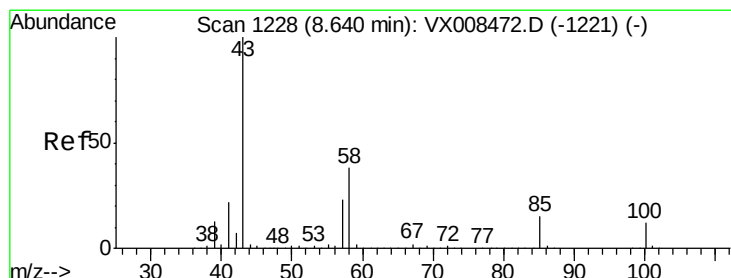
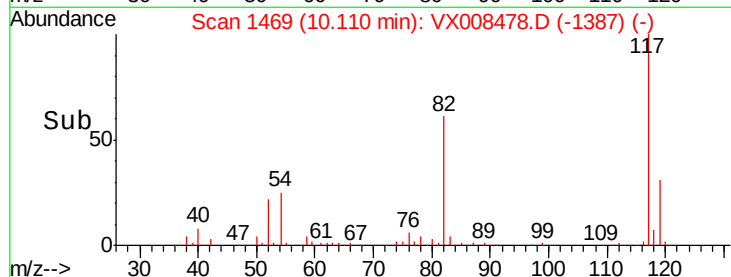
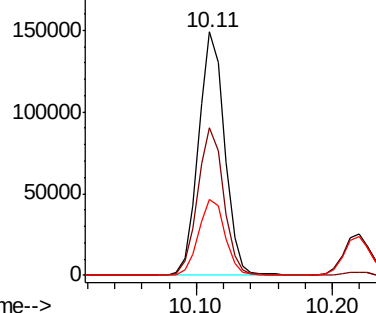
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 198716
Ion Ratio Lower Upper
117 100
82 60.4 40.4 60.6
119 32.0 25.8 38.6

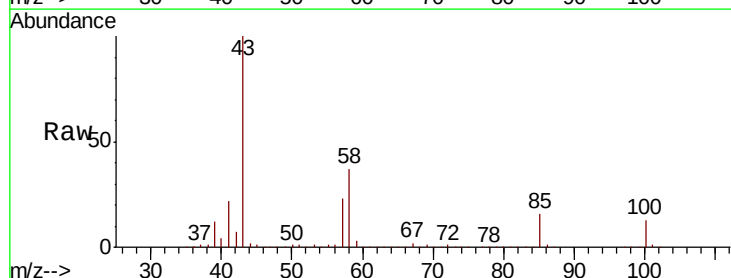


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

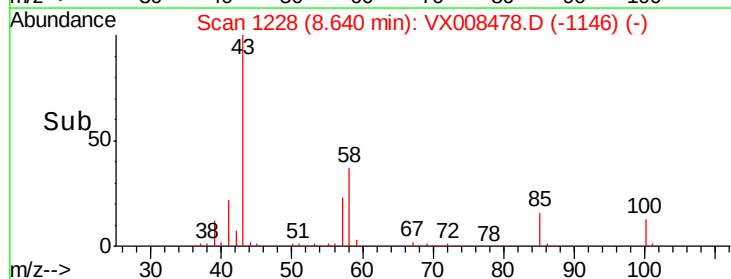
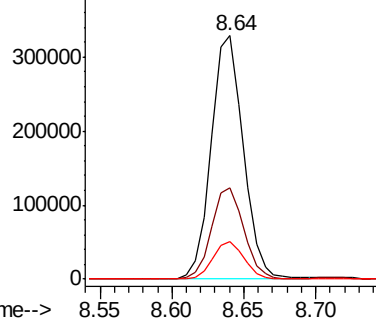


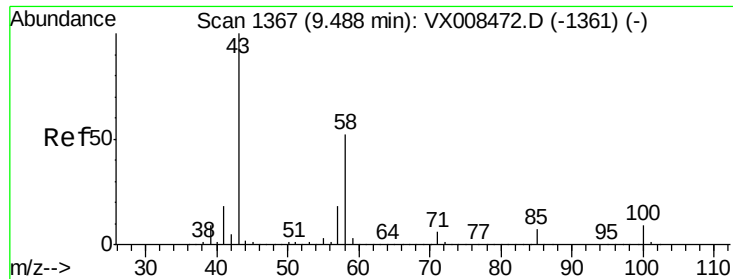
#58
4-Methyl-2-Pentanone
Concen: 96.932 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 43 Resp: 508164
Ion Ratio Lower Upper
43 100
58 37.6 31.4 47.0
85 15.1 15.0 22.6



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

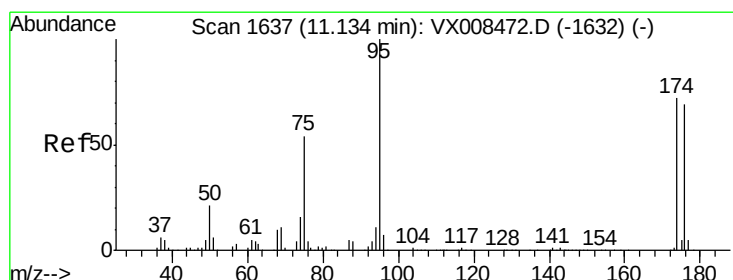
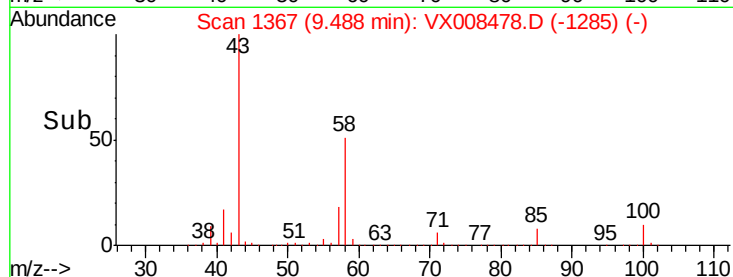
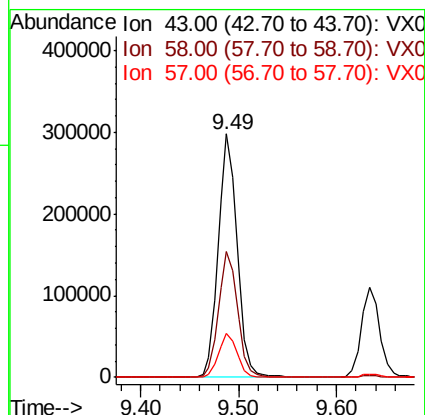
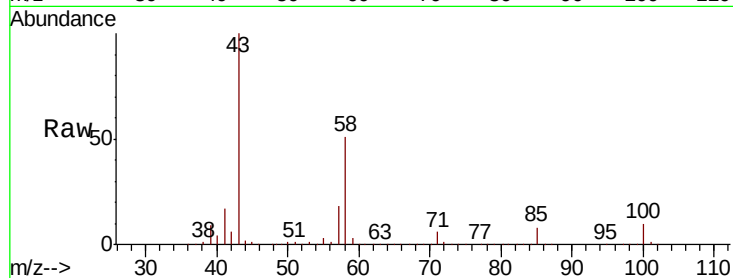




#59
2-Hexanone
Concen: 96.470 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

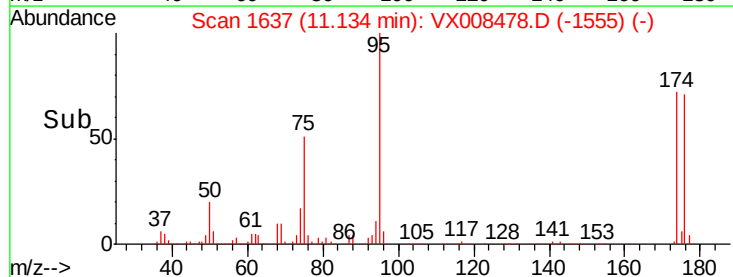
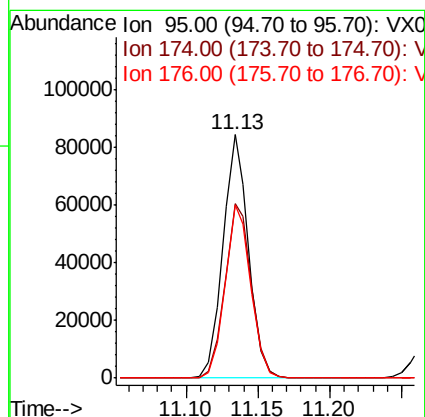
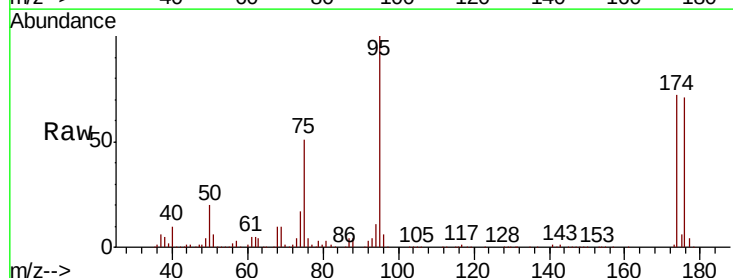
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

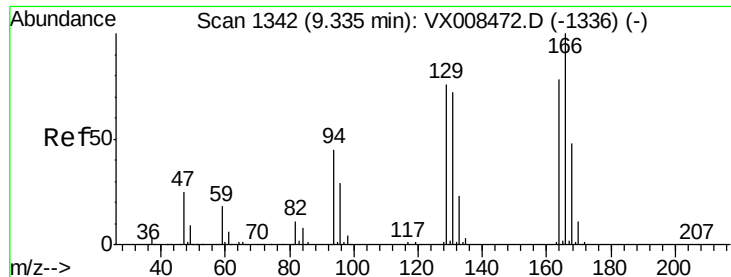
Tot Ion: 43 Resp: 399560
Ion Ratio Lower Upper
43 100
58 51.6 43.9 65.9
57 17.8 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 30.267 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 95 Resp: 104793
Ion Ratio Lower Upper
95 100
174 74.5 74.9 112.3#
176 71.7 70.7 106.1





#61

Tetrachloroethene

Concen: 20.256 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 44028

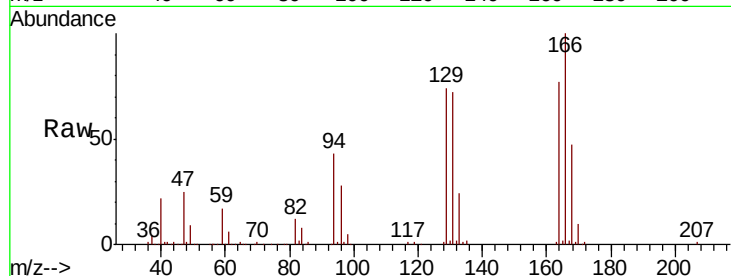
Ion Ratio Lower Upper

164 100

166 129.7 103.9 155.9

129 96.4 74.7 112.1

131 93.2 71.7 107.5

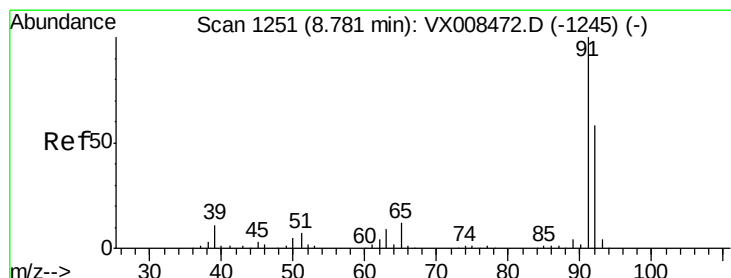
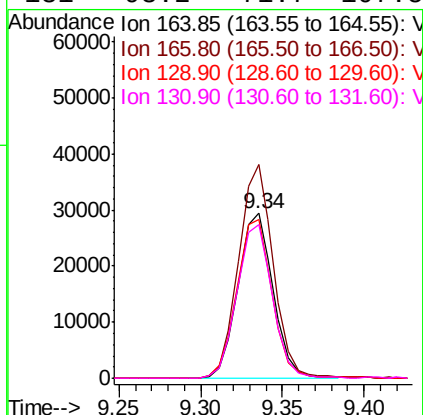
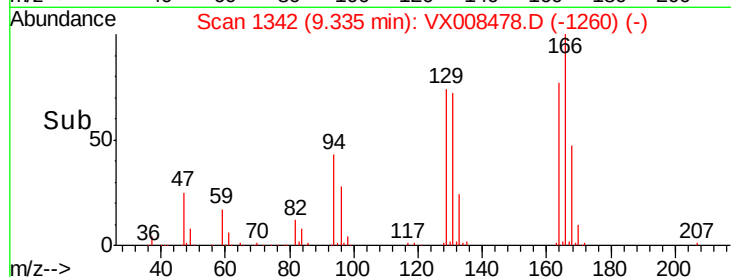


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.871 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008478.D

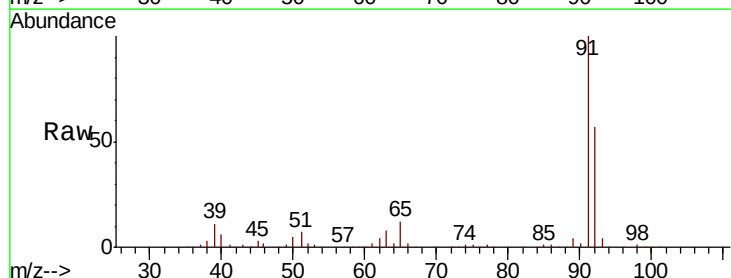
Acq: 27 Mar 2019 13:13

Tgt Ion: 91 Resp: 239068

Ion Ratio Lower Upper

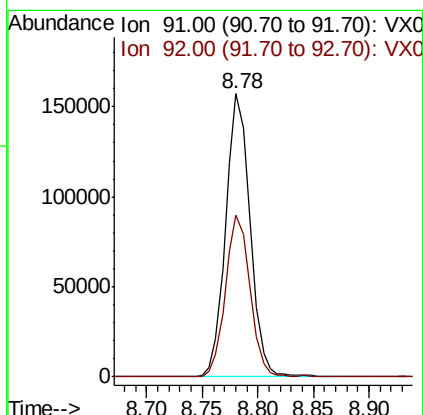
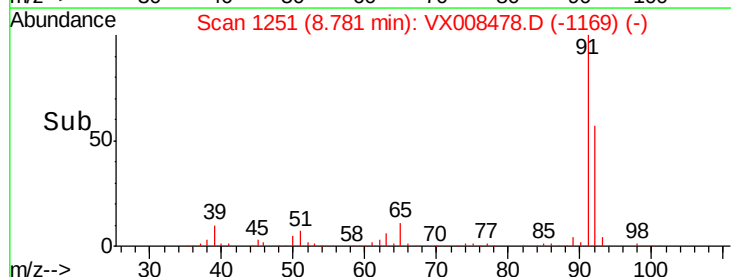
91 100

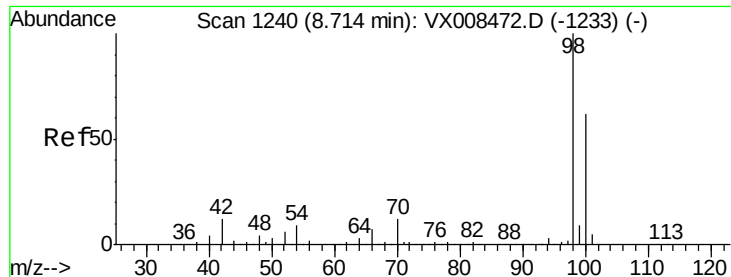
92 57.3 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.156 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

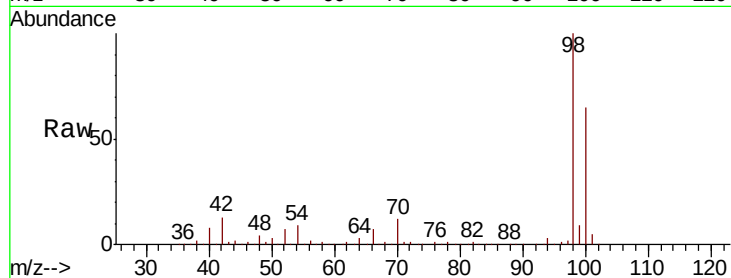
VSTDCCC020

Tot Ion: 98 Resp: 284451

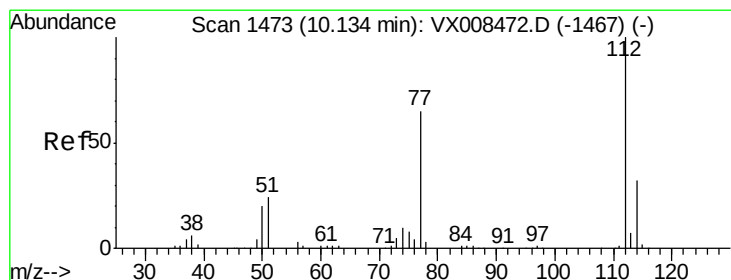
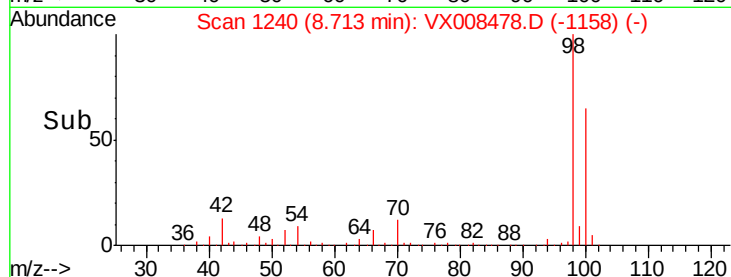
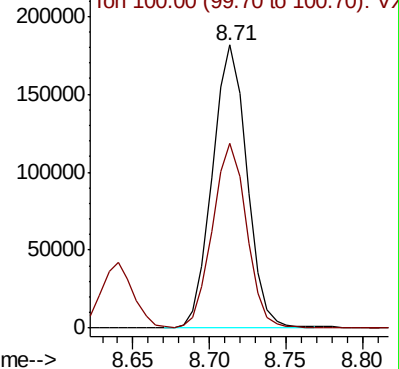
Ion Ratio Lower Upper

98 100

100 64.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX008478.D (-1158) (-)



#64

Chlorobenzene

Concen: 19.730 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX008478.D

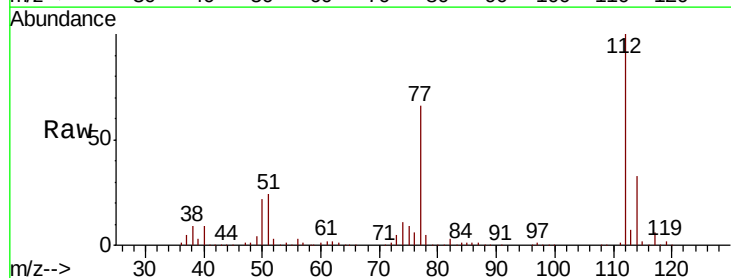
Acq: 27 Mar 2019 13:13

Tgt Ion: 112 Resp: 139096

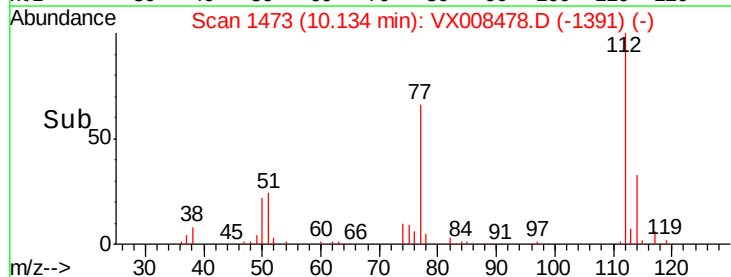
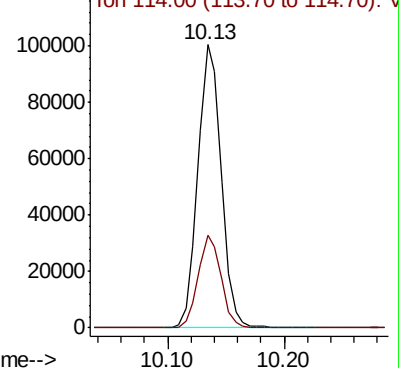
Ion Ratio Lower Upper

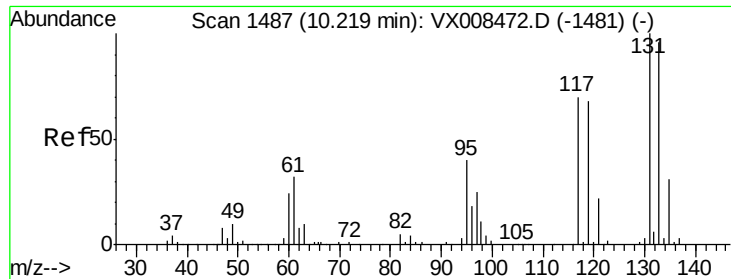
112 100

114 32.7 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): VX008478.D (-1391) (-)

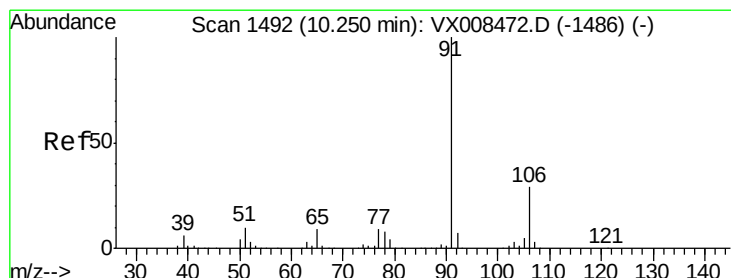
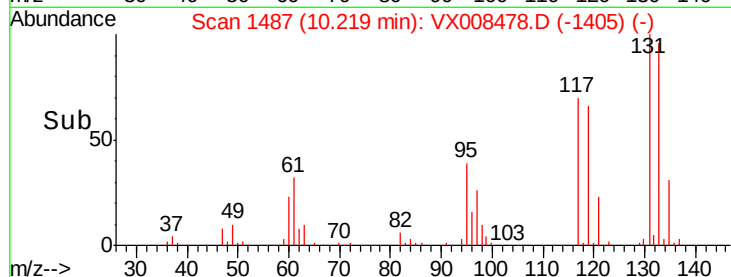
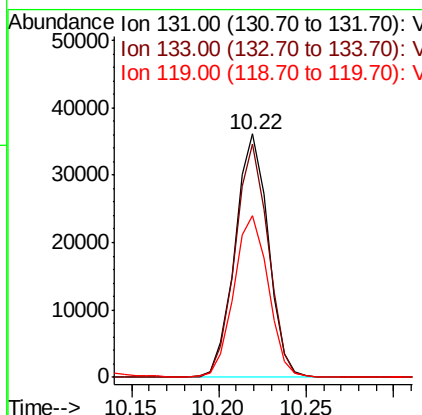
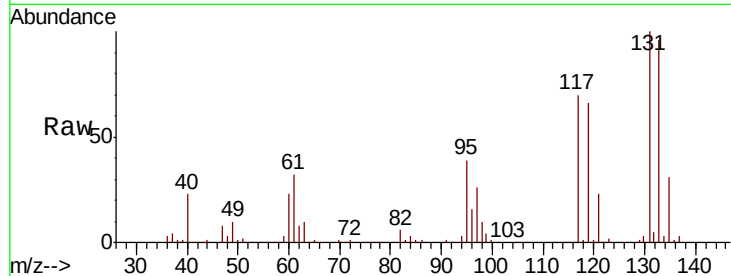




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.296 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

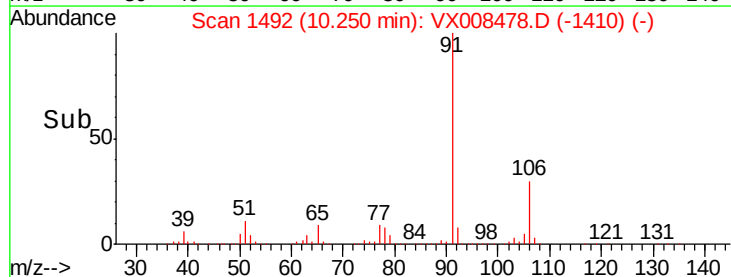
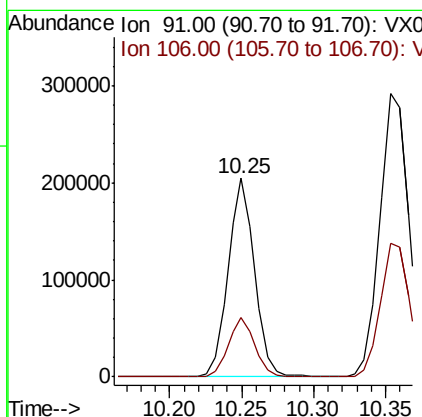
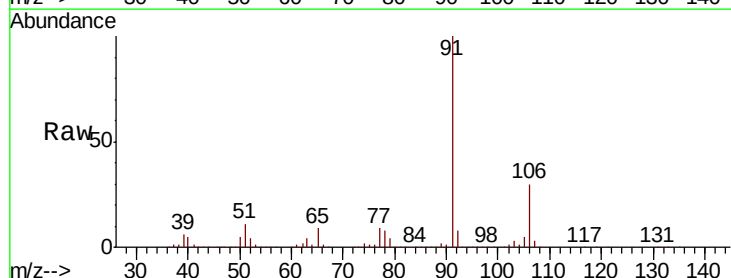
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

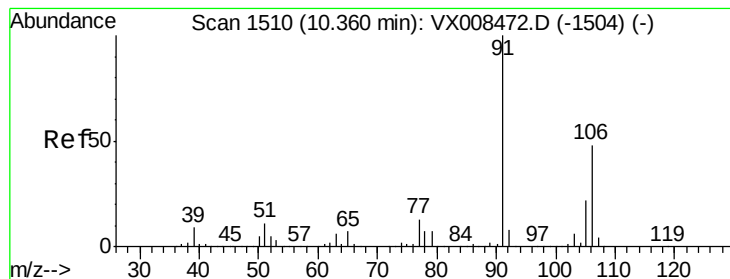
Tot Ion:131 Resp: 47960
 Ion Ratio Lower Upper
 131 100
 133 95.9 0.0 191.6
 119 68.2 0.0 127.4



#66
 Ethyl Benzene
 Concen: 19.720 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 91 Resp: 263349
 Ion Ratio Lower Upper
 91 100
 106 29.6 26.0 39.0





#67

m/p-Xylenes

Concen: 39.597 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

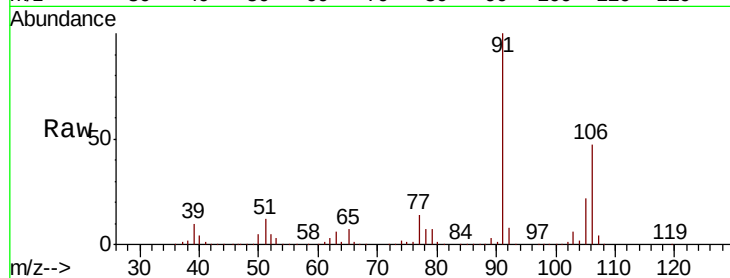
VSTDCCC020

Tot Ion:106 Resp: 192871

Ion Ratio Lower Upper

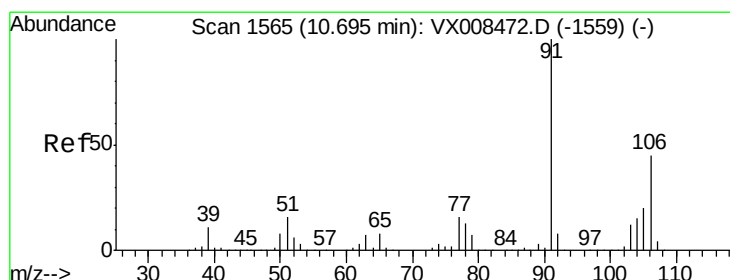
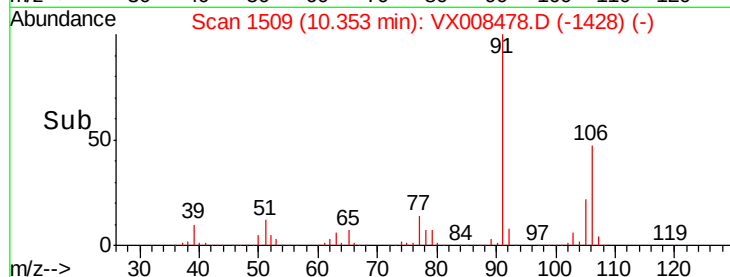
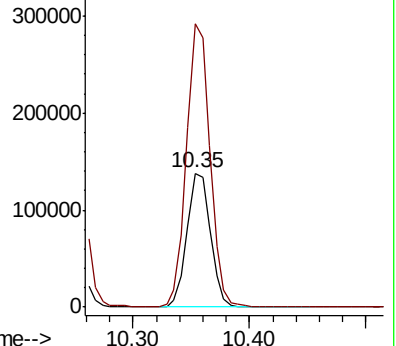
106 100

91 210.5 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.695 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX008478.D

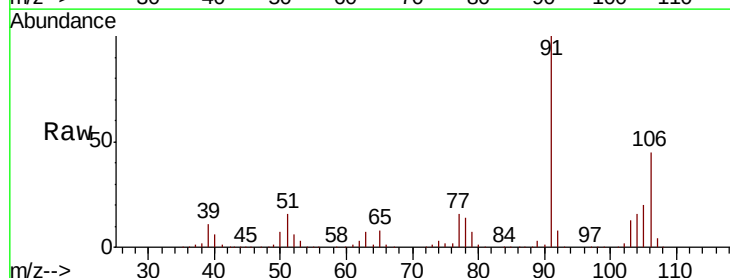
Acq: 27 Mar 2019 13:13

Tgt Ion:106 Resp: 93875

Ion Ratio Lower Upper

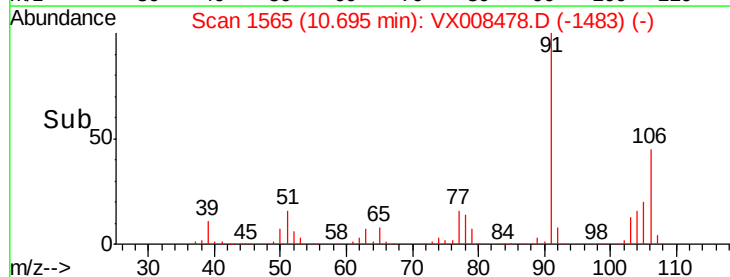
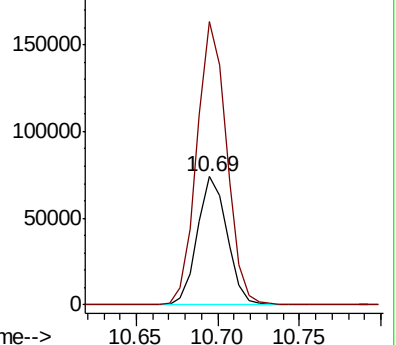
106 100

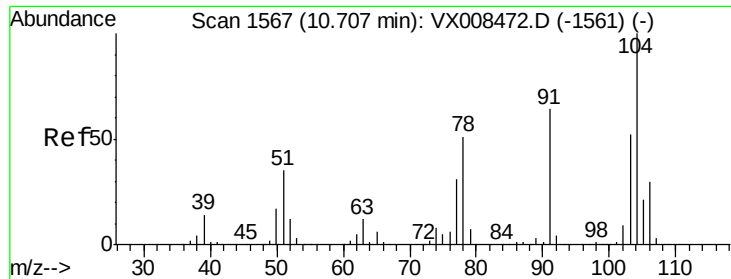
91 221.4 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

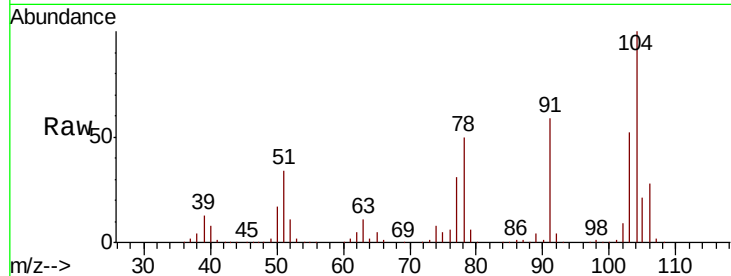




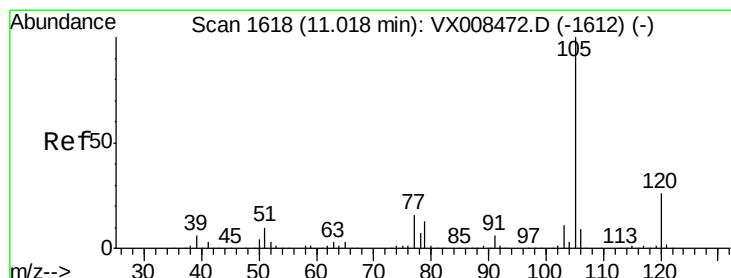
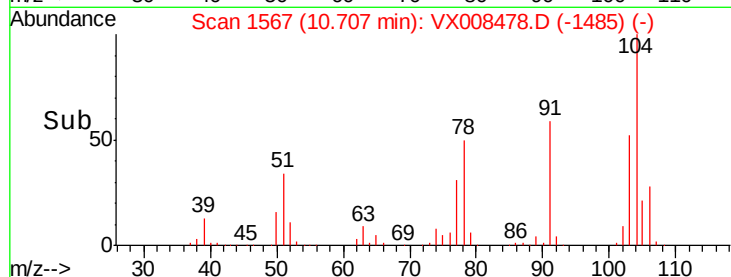
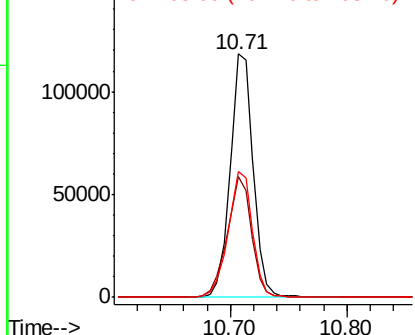
#69
Stvrene
Concen: 19.559 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:104 Resp: 162221
Ion Ratio Lower Upper
104 100
78 52.6 38.2 57.2
103 54.9 45.0 67.4

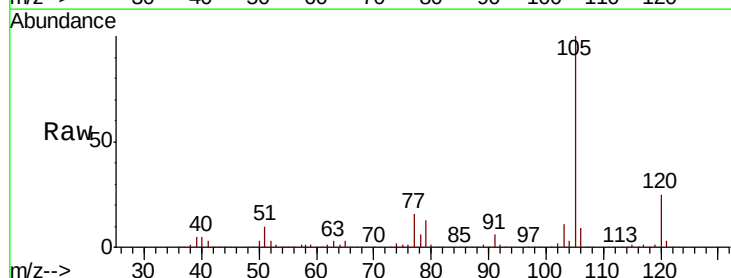


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

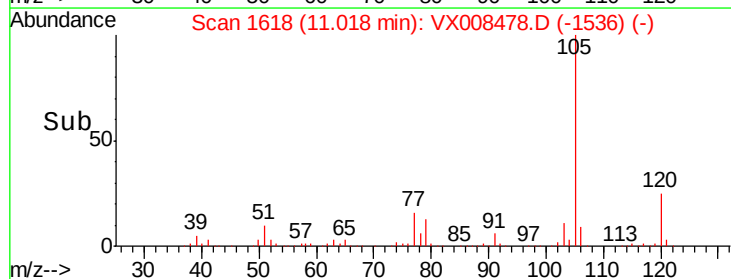
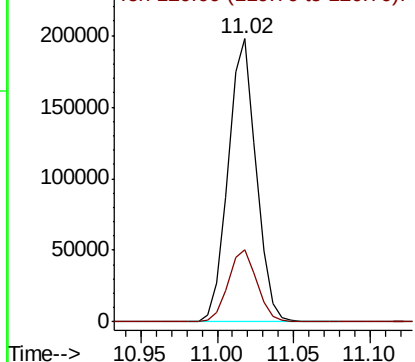


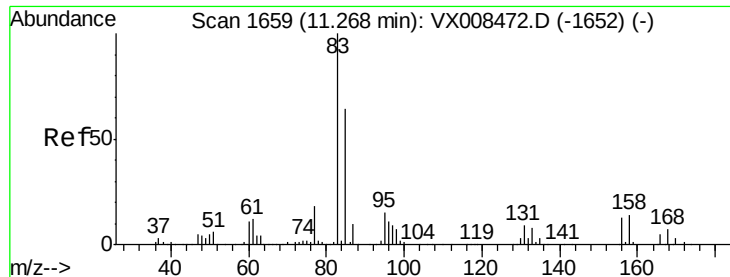
#70
Isopropylbenzene
Concen: 19.918 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion:105 Resp: 250440
Ion Ratio Lower Upper
105 100
120 26.0 19.8 36.8



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

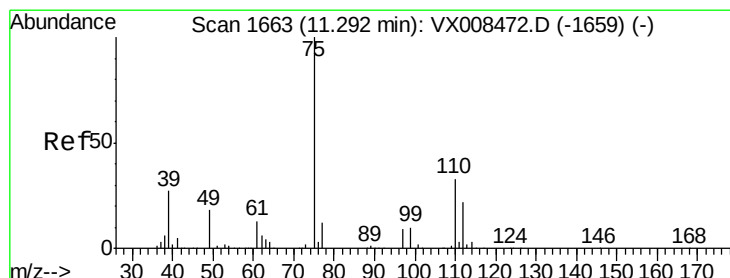
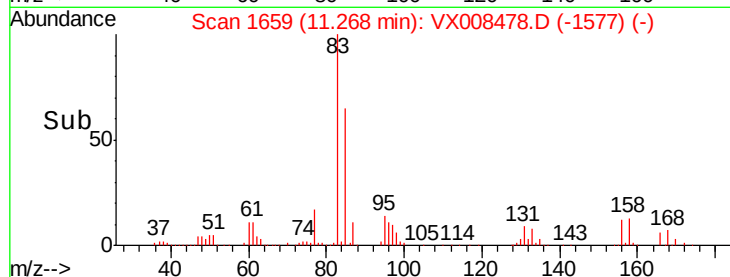
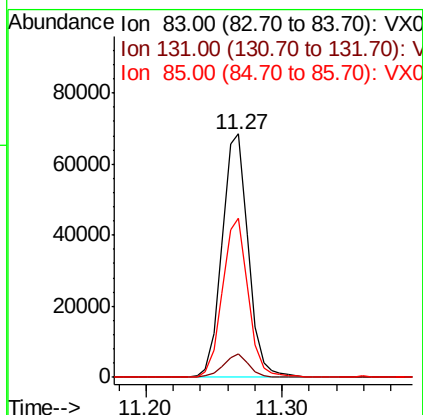
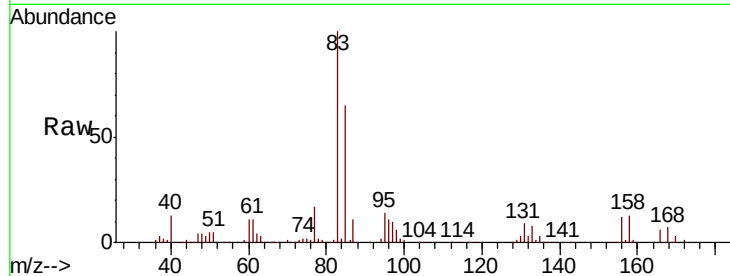




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.393 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

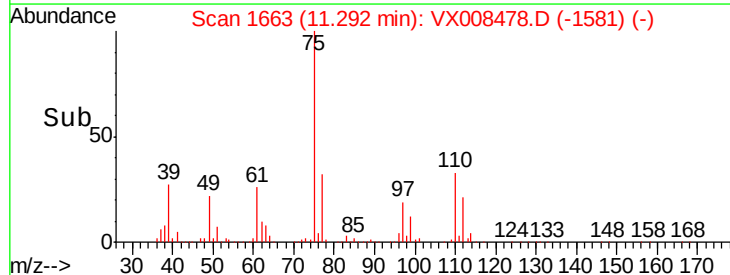
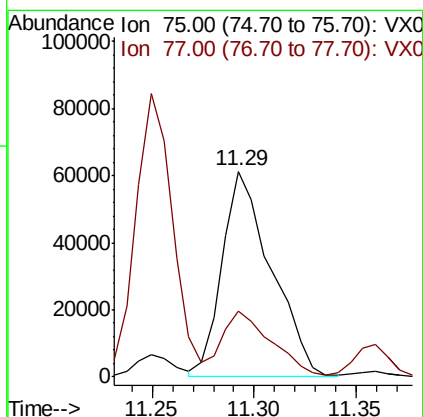
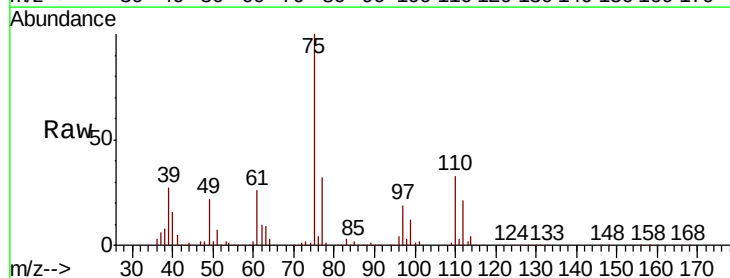
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

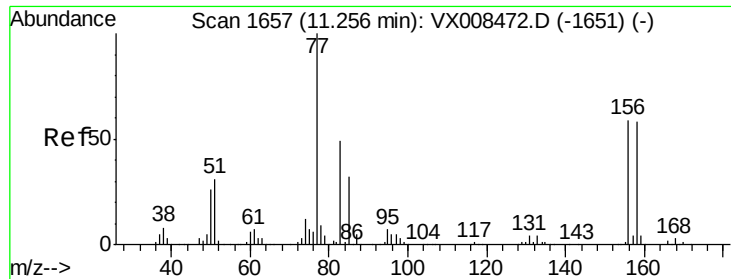
Tot Ion: 83 Resp: 91090
 Ion Ratio Lower Upper
 83 100
 131 9.1 5.4 16.2
 85 64.3 32.8 98.4



#72
 1,2,3-Trichloropropane
 Concen: 25.891 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 75 Resp: 102796
 Ion Ratio Lower Upper
 75 100
 77 31.8 0.0 76.4





#73

Bromobenzene

Concen: 19.233 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

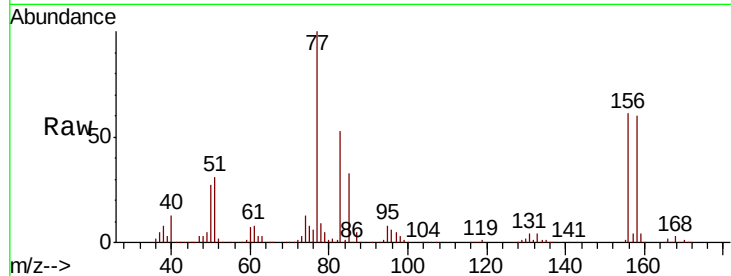
Tot Ion:156 Resp: 57534

Ion Ratio Lower Upper

156 100

77 184.4 0.0 271.4

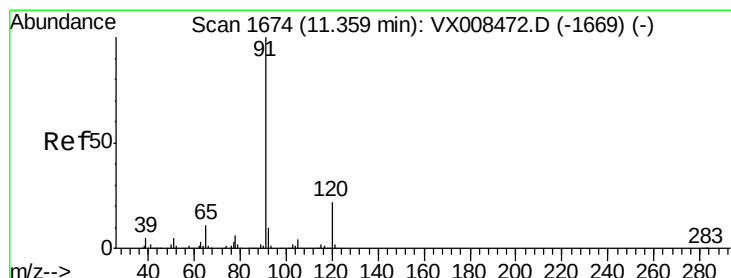
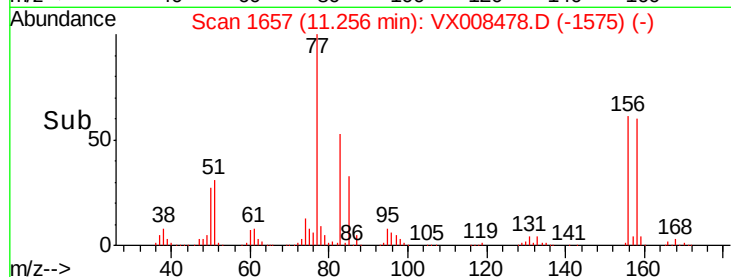
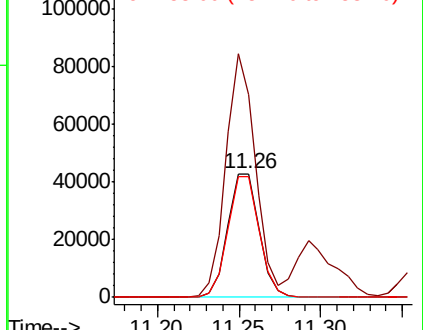
158 97.9 0.0 194.0



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: 19.953 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008478.D

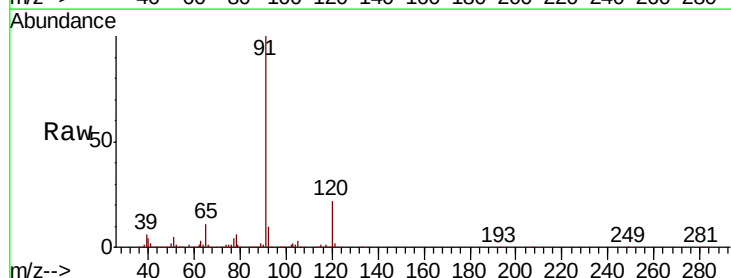
Acq: 27 Mar 2019 13:13

Tgt Ion: 91 Resp: 298869

Ion Ratio Lower Upper

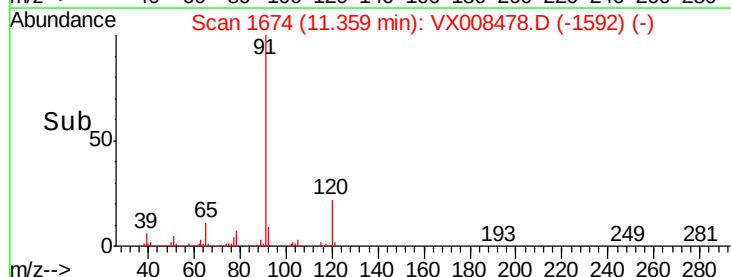
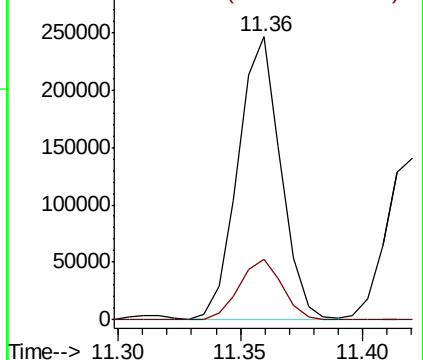
91 100

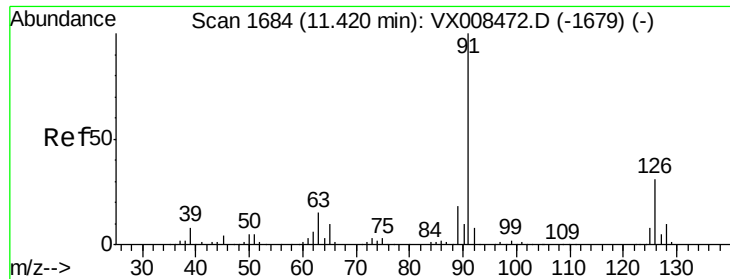
120 21.6 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.779 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampled :

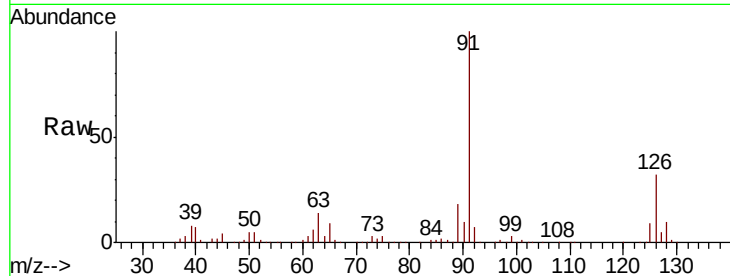
VSTDCCC020

Tot Ion: 91 Resp: 176261

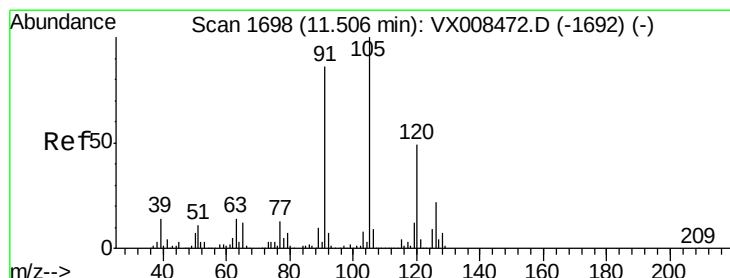
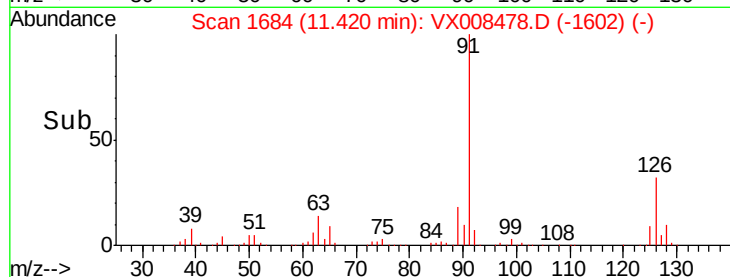
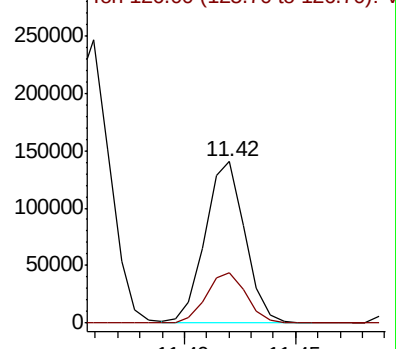
Ion Ratio Lower Upper

91 100

126 31.4 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX008472.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.987 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008478.D

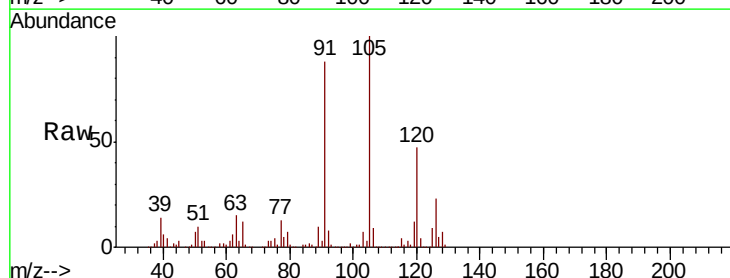
Acq: 27 Mar 2019 13:13

Tgt Ion:105 Resp: 214848

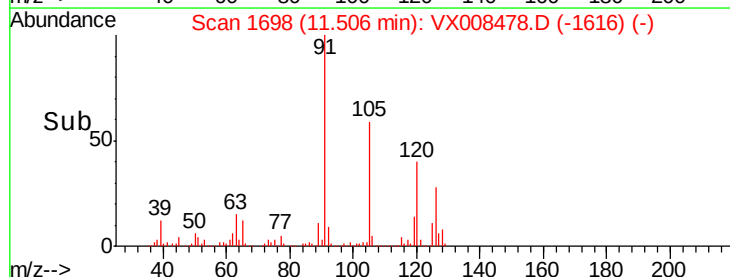
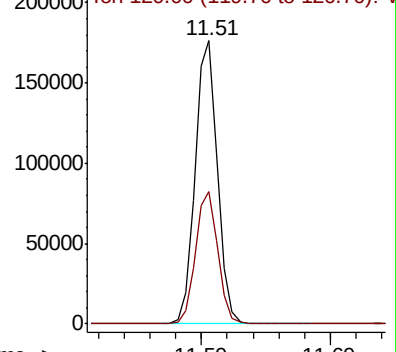
Ion Ratio Lower Upper

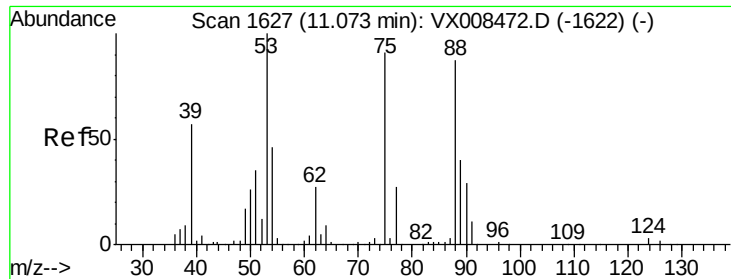
105 100

120 46.9 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX008472.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.694 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

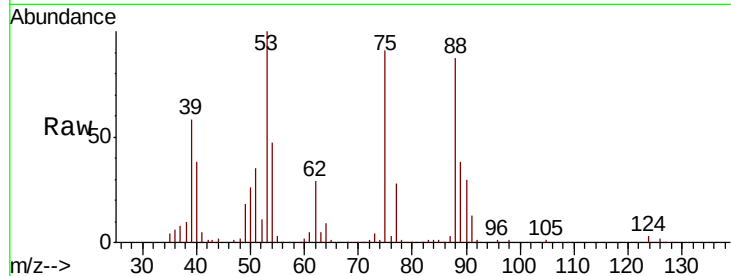
Tot Ion: 75 Resp: 26947

Ion Ratio Lower Upper

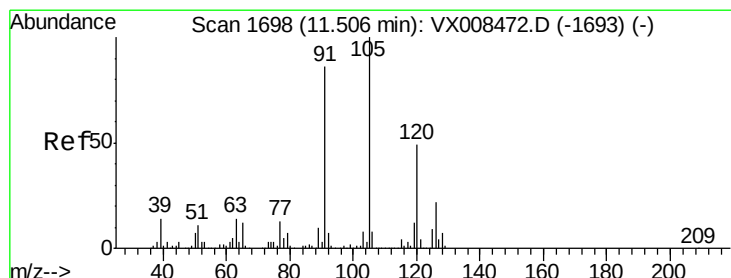
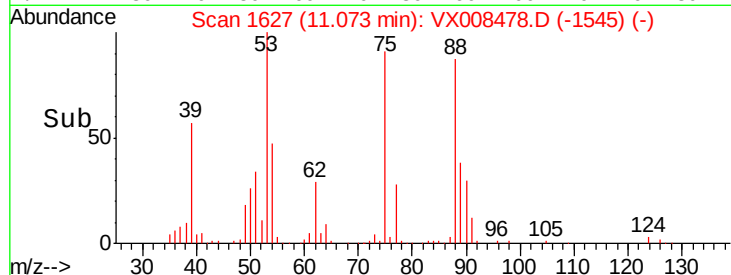
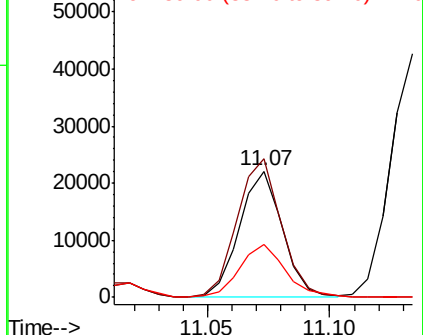
75 100

53 109.8 55.5 166.7

89 41.6 24.4 73.2



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 19.600 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008478.D

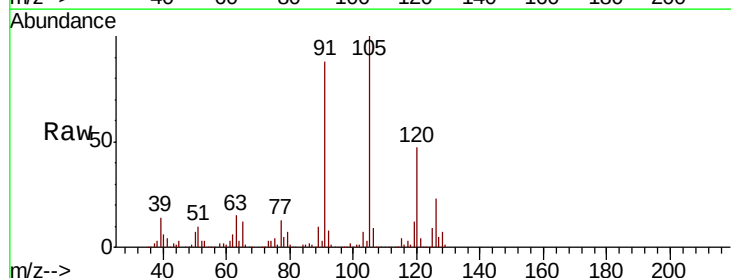
Acq: 27 Mar 2019 13:13

Tgt Ion: 91 Resp: 201024

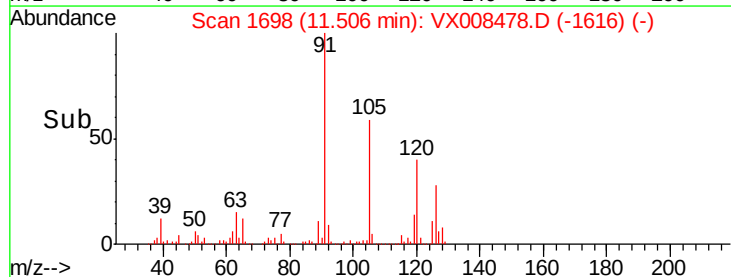
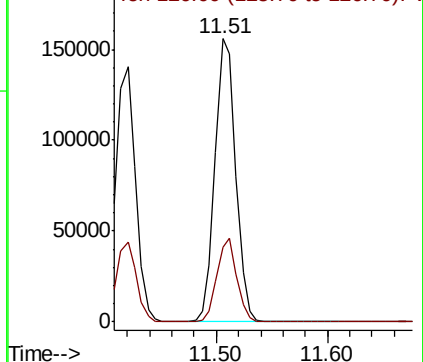
Ion Ratio Lower Upper

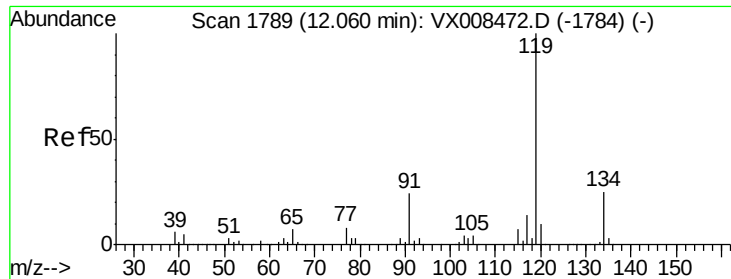
91 100

126 28.1 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V

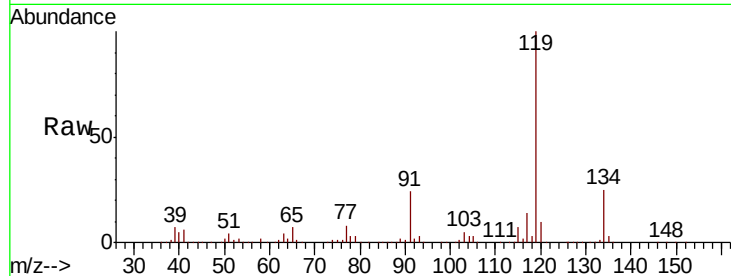




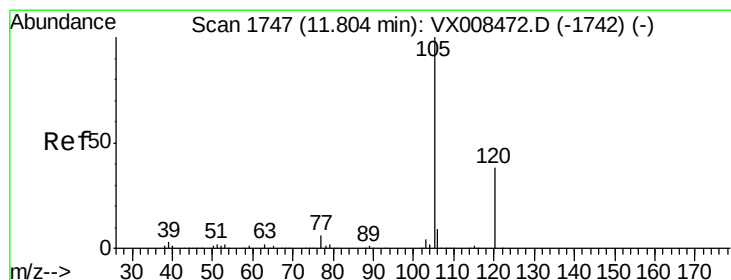
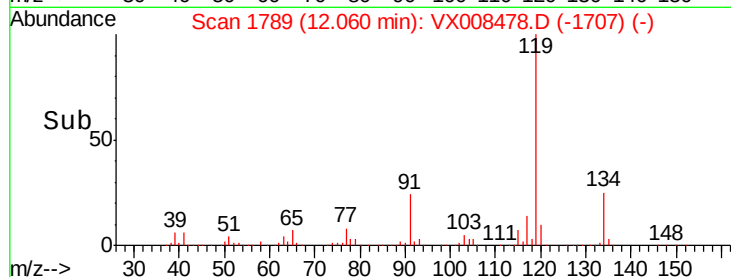
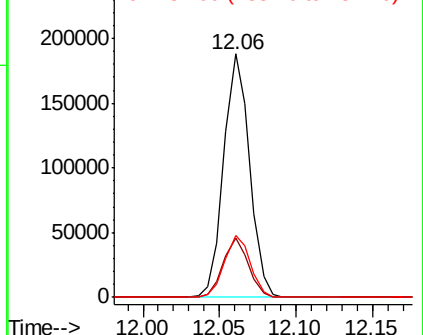
#79
tert-butylbenzene
Concen: 20.024 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:119 Resp: 219969
Ion Ratio Lower Upper
119 100
91 23.9 0.0 45.0
134 25.6 0.0 55.4

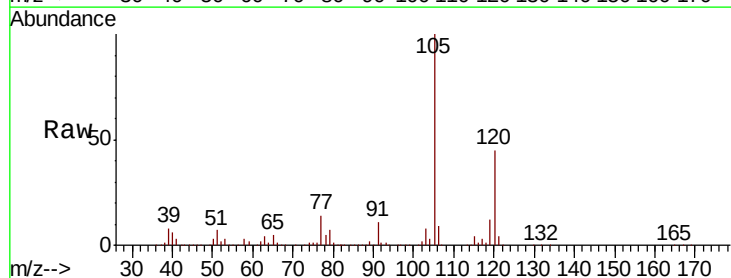


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

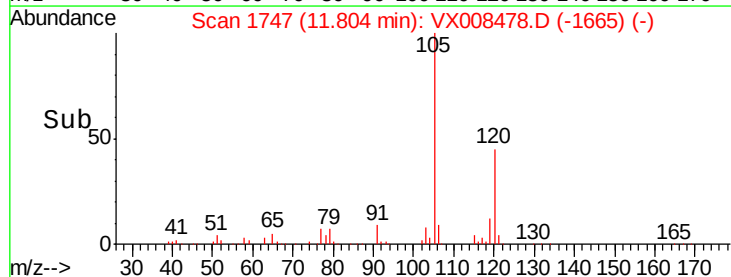
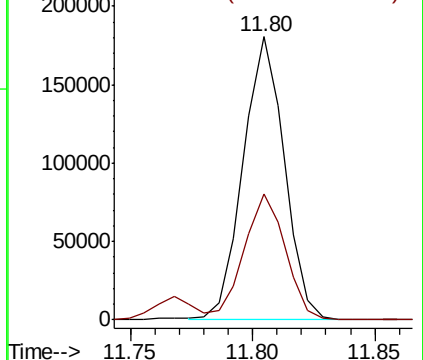


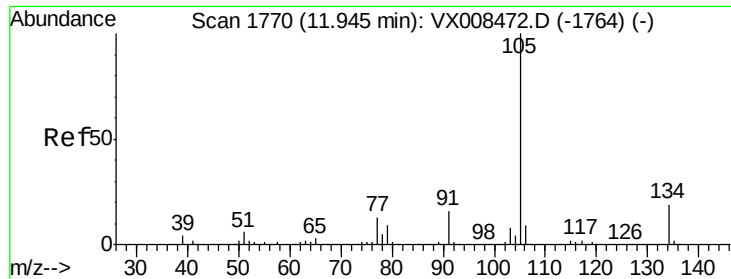
#80
1,2,4-Trimethylbenzene
Concen: 19.682 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion:105 Resp: 210952
Ion Ratio Lower Upper
105 100
120 45.1 0.0 94.0



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





#81

sec-Butylbenzene

Concen: 19.940 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

Instrument :

MSVOA_X

ClientSampleId :

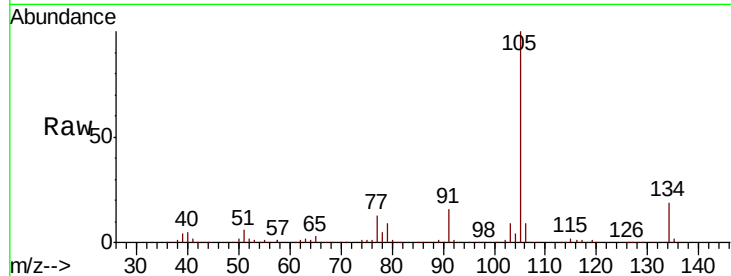
VSTDCCC020

Tot Ion:105 Resp: 244901

Ion Ratio Lower Upper

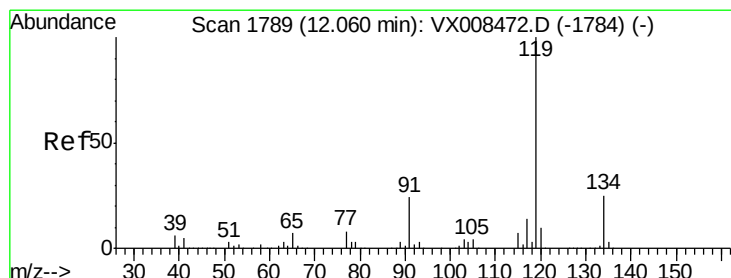
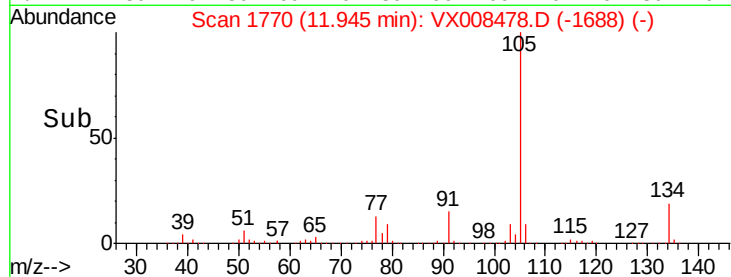
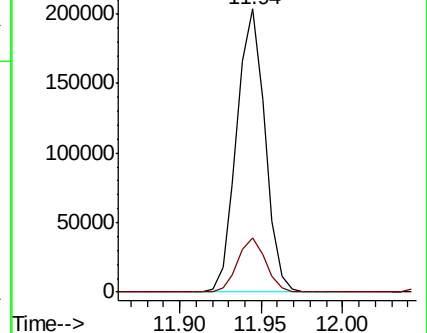
105 100

134 19.0 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.024 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008478.D

Acq: 27 Mar 2019 13:13

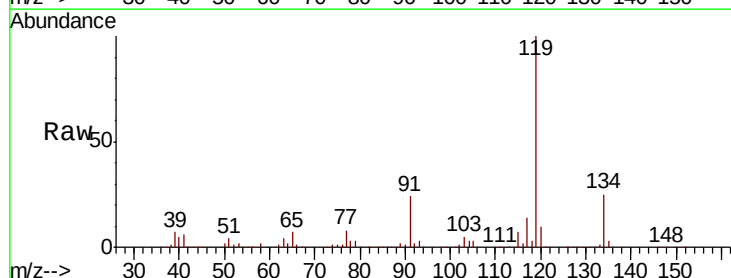
Tgt Ion:119 Resp: 219969

Ion Ratio Lower Upper

119 100

134 25.6 0.0 55.4

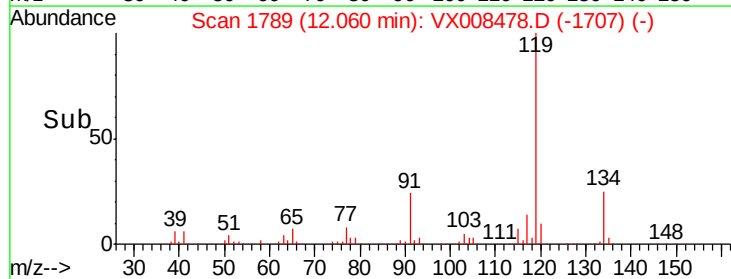
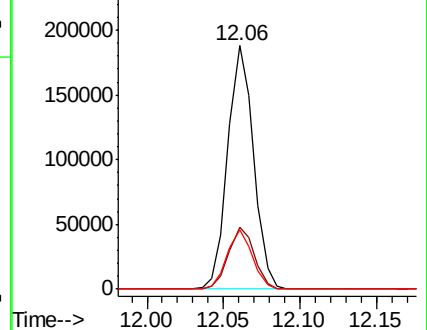
91 23.9 0.0 45.0

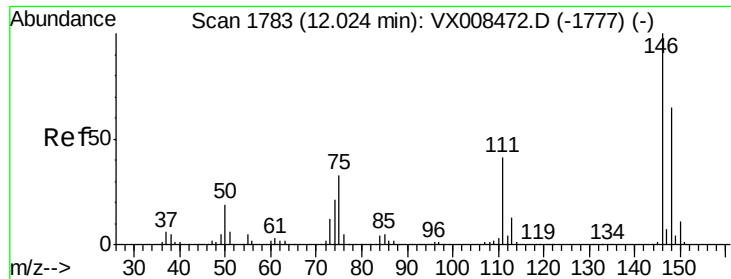


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

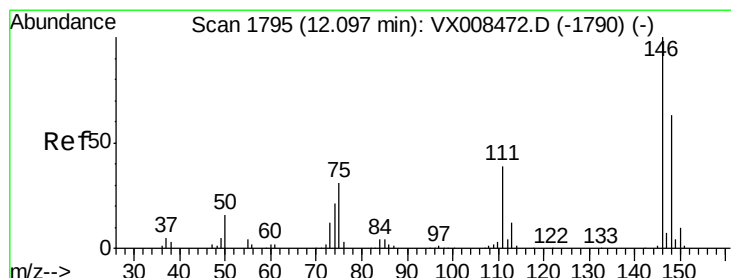
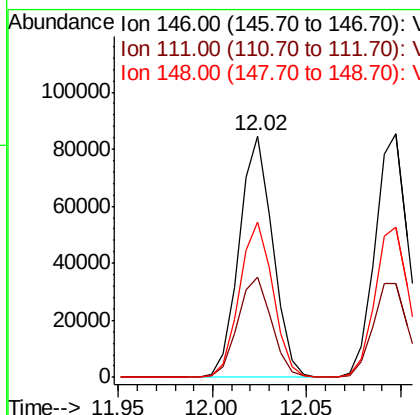
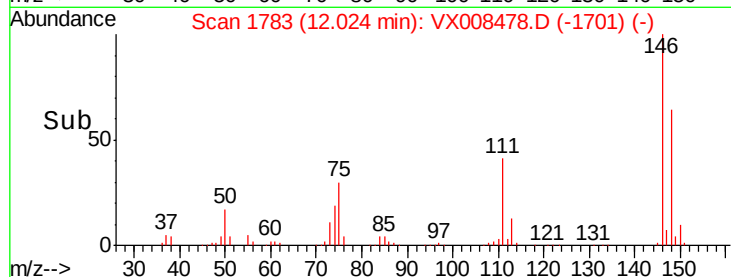
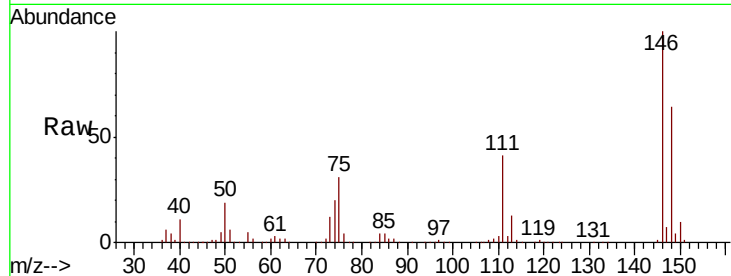




#83
 1,3-Dichlorobenzene
 Concen: 19.677 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

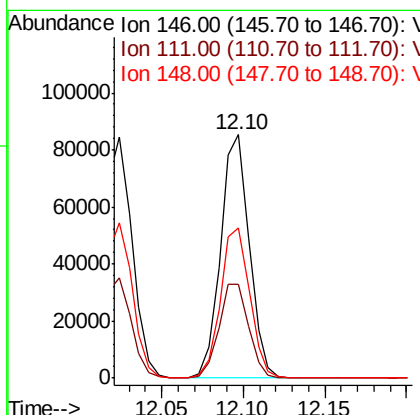
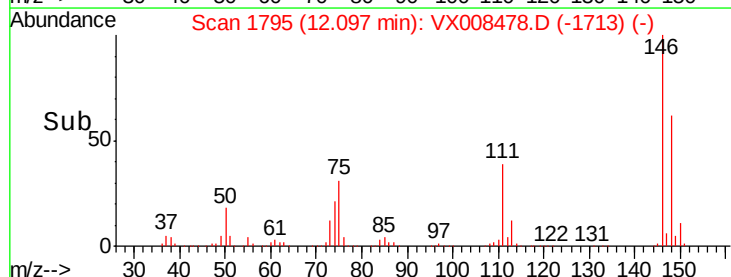
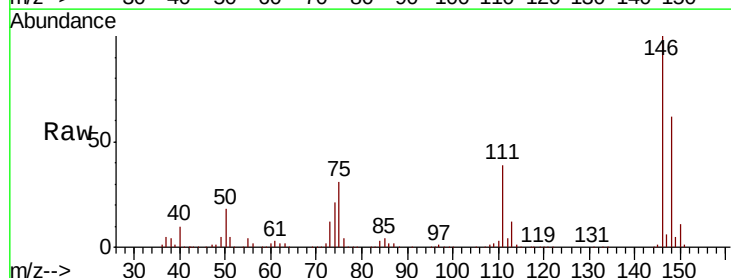
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

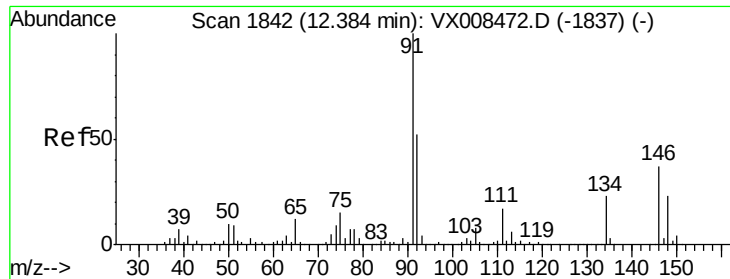
Tot Ion:146 Resp: 104496
 Ion Ratio Lower Upper
 146 100
 111 41.8 18.8 56.3
 148 64.2 30.6 91.8



#84
 1,4-Dichlorobenzene
 Concen: 19.686 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion:146 Resp: 104476
 Ion Ratio Lower Upper
 146 100
 111 40.3 17.6 52.8
 148 63.1 31.4 94.2

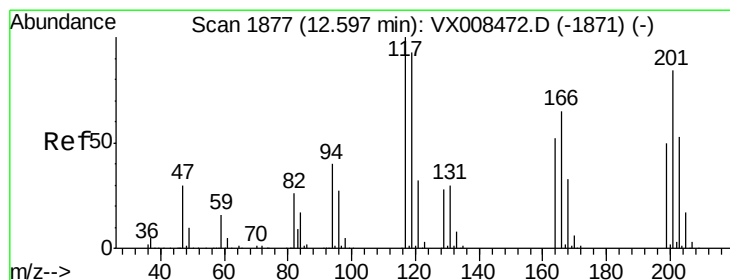
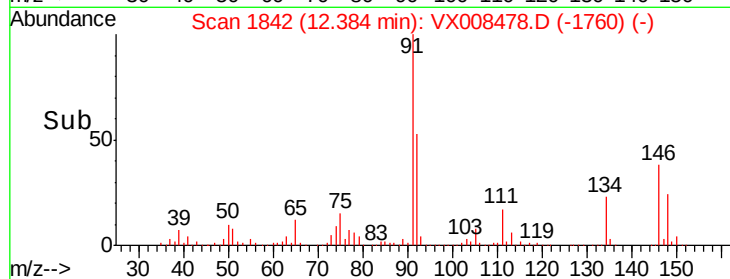
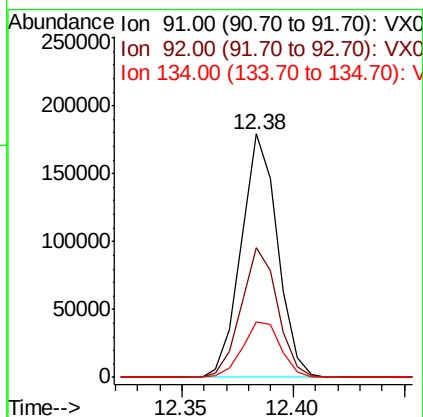
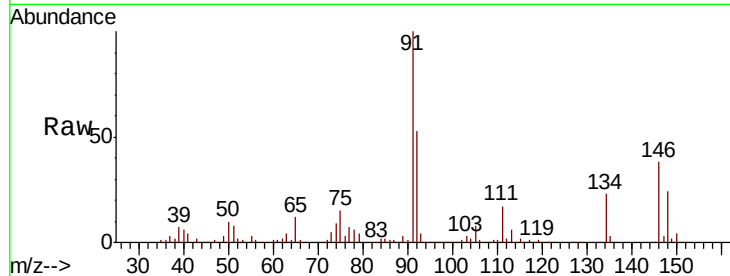




#85
n-Butylbenzene
Concen: 19.614 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

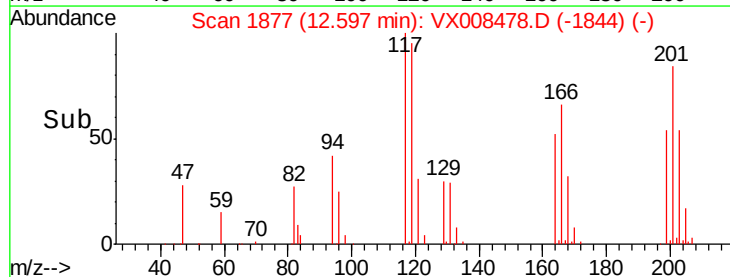
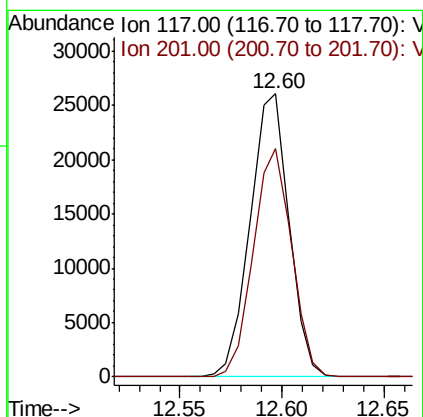
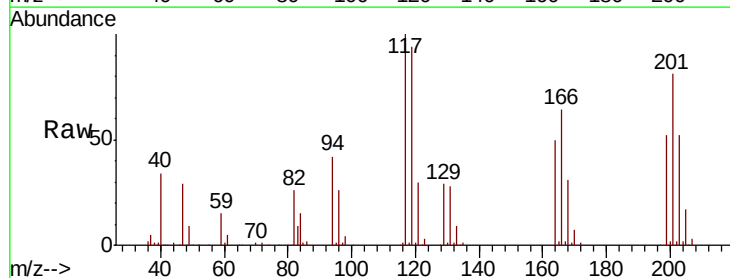
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

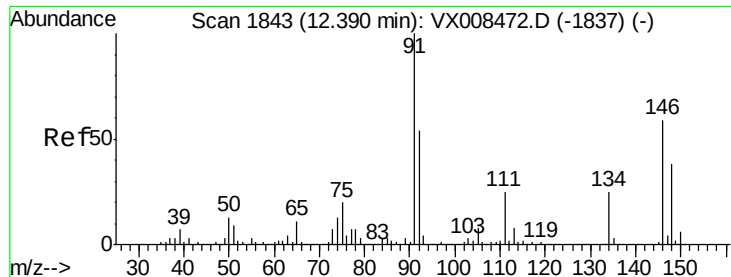
Tot Ion: 91 Resp: 204726
Ion Ratio Lower Upper
91 100
92 53.3 0.0 105.2
134 23.9 0.0 56.4



#86
Hexachloroethane
Concen: 18.897 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion: 117 Resp: 34685
Ion Ratio Lower Upper
117 100
201 79.5 41.1 123.3

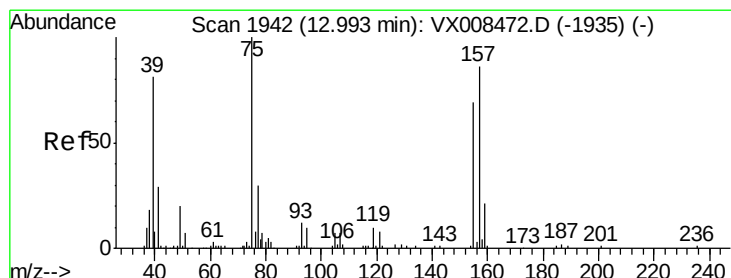
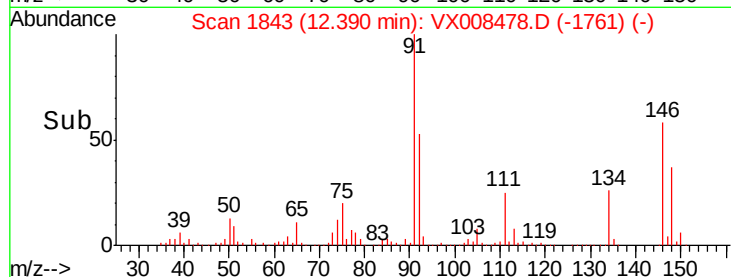
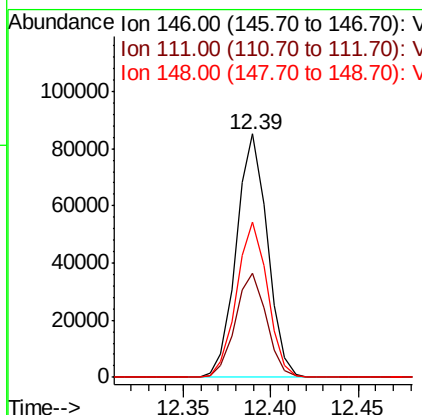
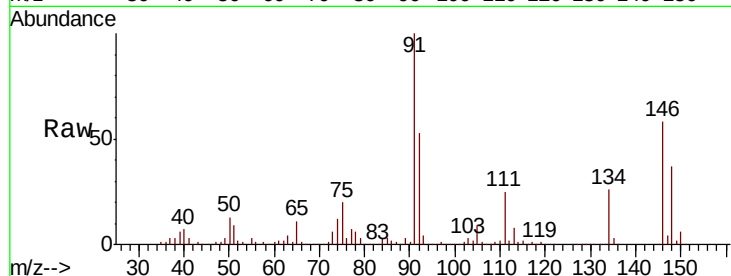




#87
 1,2-Dichlorobenzene
 Concen: 19.681 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

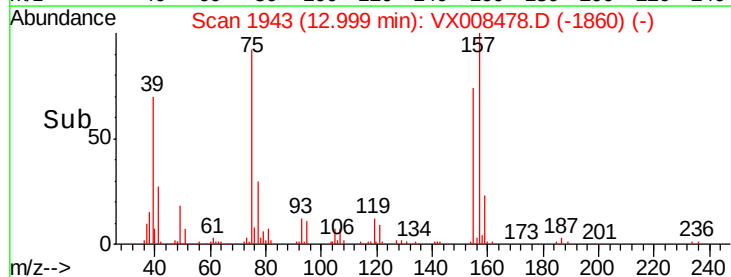
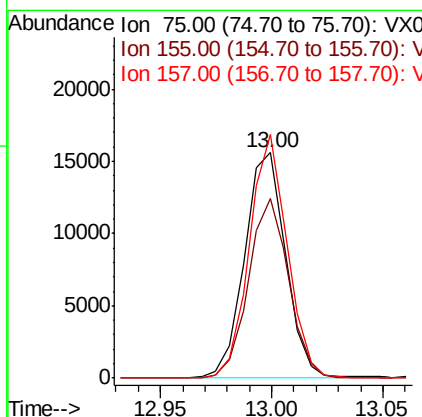
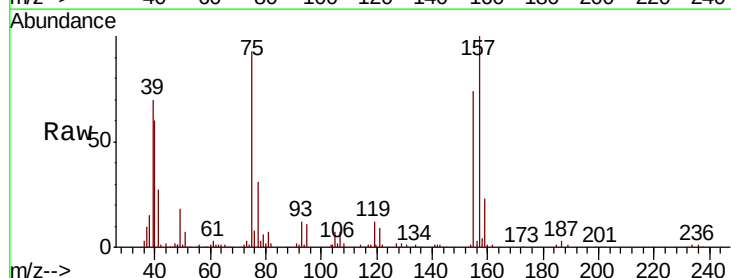
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

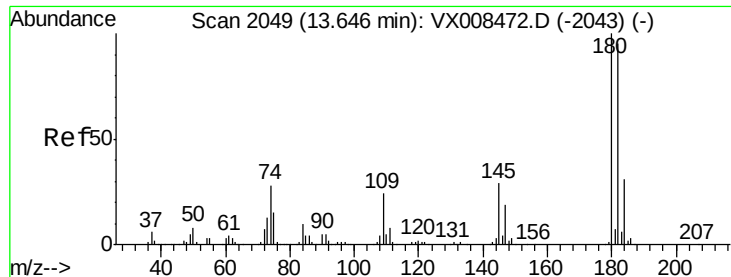
Tot Ion:146 Resp: 105316
 Ion Ratio Lower Upper
 146 100
 111 43.0 19.3 57.8
 148 63.6 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.278 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion: 75 Resp: 20070
 Ion Ratio Lower Upper
 75 100
 155 78.0 81.0 121.6#
 157 99.6 103.2 154.8#

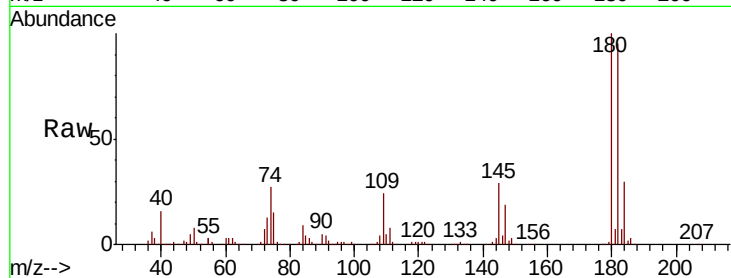




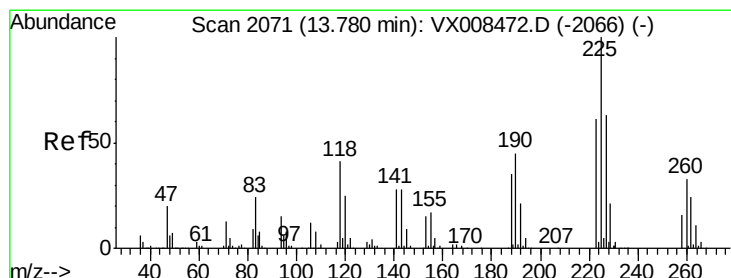
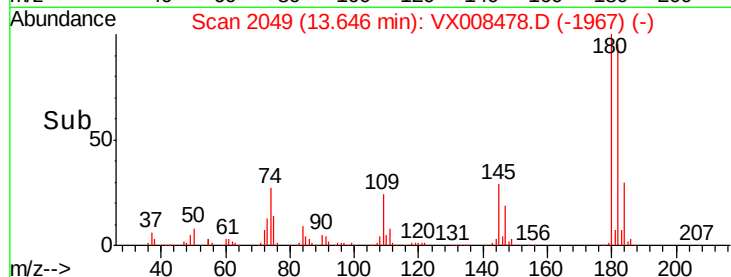
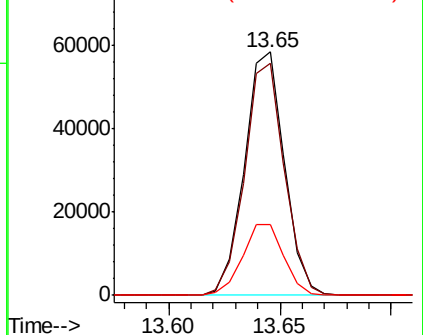
#89
 1,2,4-Trichlorobenzene
 Concen: 19.847 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion:180 Resp: 73259
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.6 113.4
 145 30.5 23.0 34.6

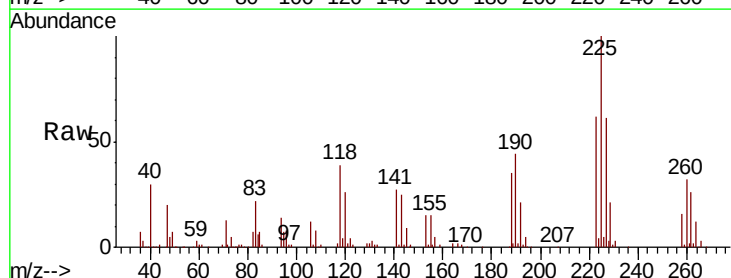


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

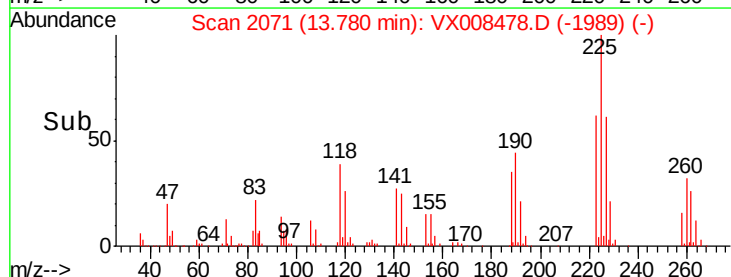
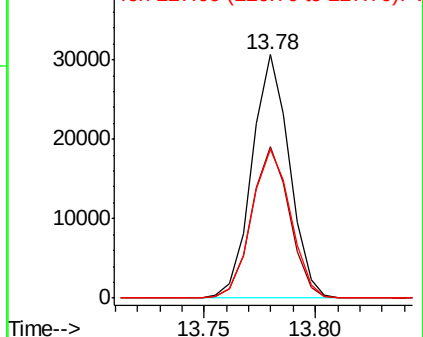


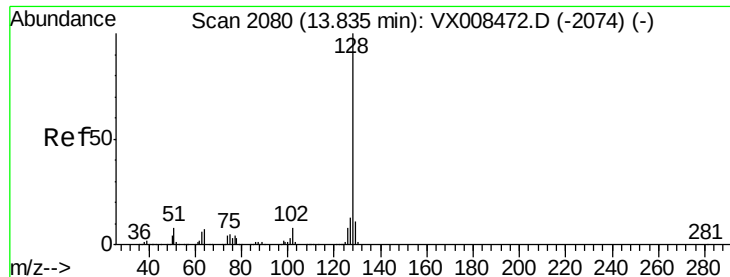
#90
 Hexachlorobutadiene
 Concen: 20.194 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008478.D
 Acq: 27 Mar 2019 13:13

Tgt Ion:225 Resp: 35910
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 123.8
 227 64.0 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

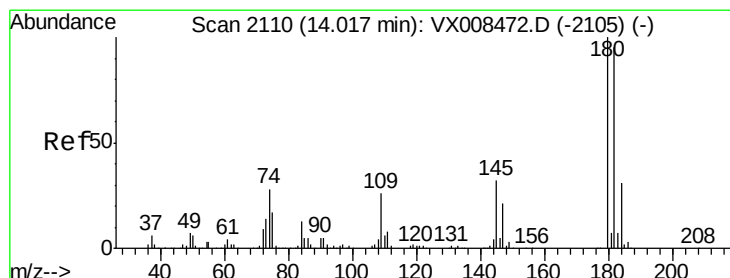
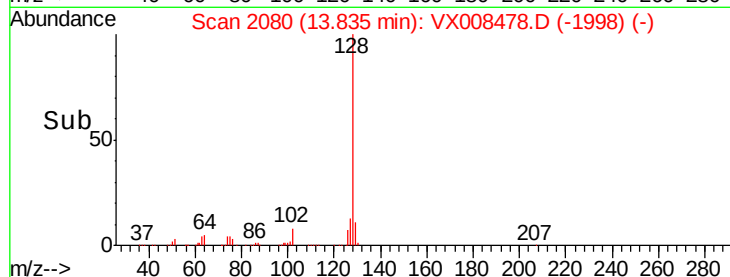
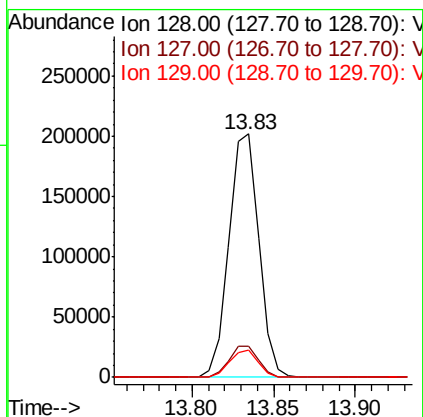
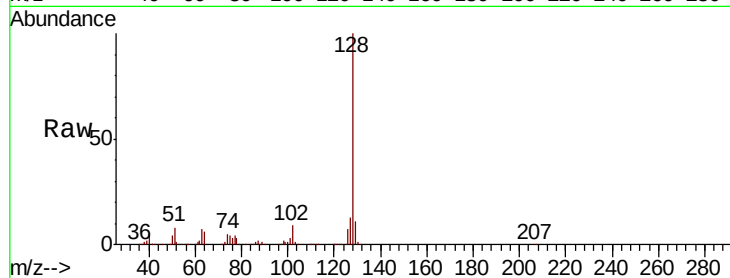




#91
Naphthalene
Concen: 20.330 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 257098
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.7 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 20.439 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008478.D
Acq: 27 Mar 2019 13:13

Tgt Ion:180 Resp: 75995
Ion Ratio Lower Upper
180 100
182 95.8 0.0 193.0
145 31.9 0.0 63.0

