

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008505.D
 Acq On : 27 Mar 2019 23:59
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Mar 28 02:13:00 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	34967	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	200890	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	178522	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	87549	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	11.13	95	91370	29.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.93%
63) Toluene-d8	8.71	98	255908	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	41777	17.472	ug/l 99
3) Chloromethane	1.32	50	56665	18.088	ug/l 97
4) Vinyl Chloride	1.40	62	57040	18.064	ug/l 98
5) Bromomethane	1.64	94	25185	15.393	ug/l 95
6) Chloroethane	1.73	64	35270	17.066	ug/l 98
7) Trichlorofluoromethane	1.93	101	63290	18.058	ug/l 98
8) Diethyl Ether	2.18	74	30348	18.361	ug/l 78
9) 1,1,2-Trichlorotrifluoroet	2.39	101	38036	17.426	ug/l 93
10) 1,1-Dichloroethene	2.37	96	41110	18.566	ug/l 83
11) Methyl Iodide	2.51	142	38698	16.877	ug/l 94
12) Methyl Acetate	3.19	43	33368	18.593	ug/l 90
13) Acrolein	2.29	56	26612	51.687	ug/l 97
14) Acrylonitrile	3.14	53	155584	93.767	ug/l 100
15) Acetone	2.44	58	40705	79.553	ug/l 95
16) Carbon Disulfide	2.57	76	121510	17.640	ug/l 98
17) Allyl chloride	2.73	41	88138	17.710	ug/l 89
18) Methylene Chloride	2.85	84	48998	18.511	ug/l # 84
19) trans-1,2-Dichloroethene	3.17	96	43489	18.383	ug/l 86
20) Diisopropyl ether	3.85	45	180470	18.632	ug/l # 89
21) 1,1-Dichloroethane	3.70	63	91098	18.737	ug/l 96
22) cis-1,2-Dichloroethene	4.60	96	50562	18.495	ug/l # 84
23) tert-Butyl Alcohol	3.04	59	55794	83.272	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	149784	18.406	ug/l 98
25) Chloroform	5.21	83	81643	18.538	ug/l 97
26) Cyclohexane	5.58	56	85847	18.175	ug/l # 83
29) 1,1-Dichloropropene	5.80	75	62275	18.426	ug/l 94
30) 2-Butanone	4.67	43	222691	89.605	ug/l 95
31) 2,2-Dichloropropane	4.58	77	51243	15.181	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	64801	18.464	ug/l # 95
33) Carbon Tetrachloride	5.79	117	52562	17.900	ug/l 99
34) Benzene	6.14	78	196185	18.990	ug/l # 96
35) Methacrylonitrile	5.04	41	47500	18.794	ug/l 90
36) 1,2-Dichloroethane	6.19	62	70274	19.079	ug/l 96
37) Trichloroethene	7.21	130	44120	18.570	ug/l 81
38) Methylcyclohexane	7.46	83	74750	17.552	ug/l 89
39) 1,2-Dichloropropane	7.51	63	54514	18.604	ug/l 99
40) Dibromomethane	7.66	93	31872	18.777	ug/l 89

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

41) Bromodichloromethane	7.90	83	61833	18.526	ug/l	100
42) Vinyl Acetate	3.81	43	791034	93.894	ug/l #	94
43) Ethyl Acetate	4.83	43	86294	19.292	ug/l #	82
44) Isopropyl Acetate	6.45	43	133709	18.486	ug/l	99
45) 1,4-Dioxane	7.74	88	22865	317.560	ug/l #	83
46) Methyl methacrylate	7.77	41	68100	18.538	ug/l	87
47) n-amyl Acetate	10.90	43	119704	18.220	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	63504	16.845	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	73277	17.378	ug/l	95
50) 1,1,2-Trichloroethane	9.21	97	46051	18.271	ug/l	98
51) Ethyl methacrylate	9.18	69	85463	18.221	ug/l	92
52) 1,3-Dichloropropane	9.37	76	84619	18.871	ug/l	100
53) Dibromochloromethane	9.58	129	43816	17.666	ug/l	100
54) 1,2-Dibromoethane	9.67	107	48432	18.641	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	216474	91.486	ug/l	95
56) Bromoform	10.85	173	31069	17.188	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	438619	93.131	ug/l	95
59) 2-Hexanone	9.49	43	333707	89.685	ug/l	97
61) Tetrachloroethene	9.34	164	36676	18.782	ug/l	96
62) Toluene	8.78	91	201538	18.646	ug/l	99
64) Chlorobenzene	10.13	112	117793	18.599	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	40814	18.278	ug/l	98
66) Ethyl Benzene	10.25	91	222343	18.533	ug/l	95
67) m/p-Xylenes	10.36	106	160834	36.755	ug/l	91
68) o-Xylene	10.69	106	78294	18.284	ug/l	92
69) Styrene	10.71	104	136078	18.263	ug/l	96
70) Isopropylbenzene	11.02	105	206724	18.301	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	78031	18.492	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	86147	24.152	ug/l	90
73) Bromobenzene	11.26	156	49171	18.297	ug/l	78
74) n-propylbenzene	11.36	91	245429	18.239	ug/l	94
75) 2-Chlorotoluene	11.42	91	147057	18.369	ug/l	89
76) 1,3,5-Trimethylbenzene	11.51	105	174806	18.101	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	20602	15.058	ug/l	97
78) 4-Chlorotoluene	11.51	91	164696	17.875	ug/l	91
79) tert-butylbenzene	12.06	119	177427	17.978	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	175666	18.243	ug/l	95
81) sec-Butylbenzene	11.94	105	199712	18.100	ug/l	96
82) p-Isopropyltoluene	12.06	119	177427	17.978	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	86033	18.033	ug/l	96
84) 1,4-Dichlorobenzene	12.10	146	85716	17.978	ug/l	96
85) n-Butylbenzene	12.38	91	162261	17.304	ug/l	97
86) Hexachloroethane	12.60	117	28292	17.158	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	86147	17.920	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16029	17.138	ug/l #	78
89) 1,2,4-Trichlorobenzene	13.65	180	59335	17.893	ug/l	99
90) Hexachlorobutadiene	13.78	225	28335	17.737	ug/l	99
91) Naphthalene	13.83	128	208858	18.384	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	60861	18.220	ug/l	99

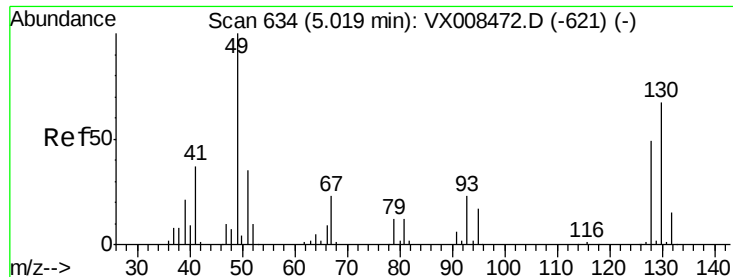
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

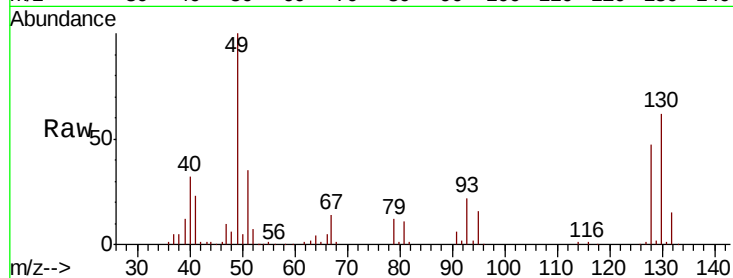
Tot Ion:128 Resp: 34967

Ion Ratio Lower Upper

128 100

49 208.0 0.0 350.8

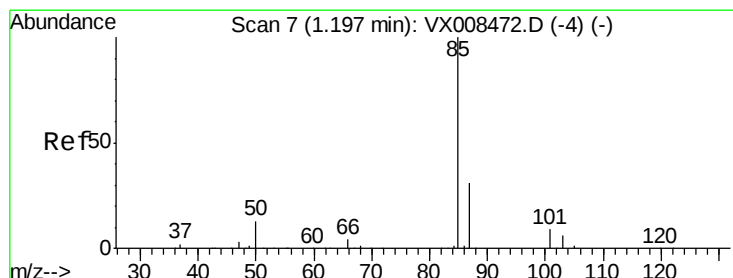
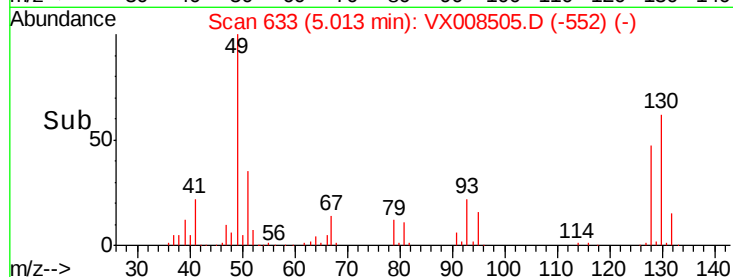
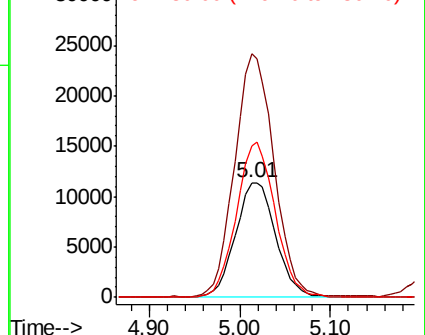
130 130.8 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.472 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008505.D

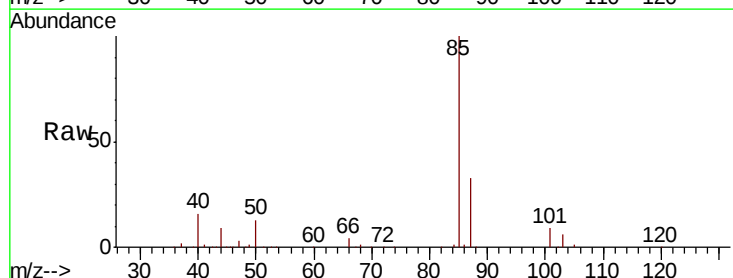
Acq: 27 Mar 2019 23:59

Tgt Ion: 85 Resp: 41777

Ion Ratio Lower Upper

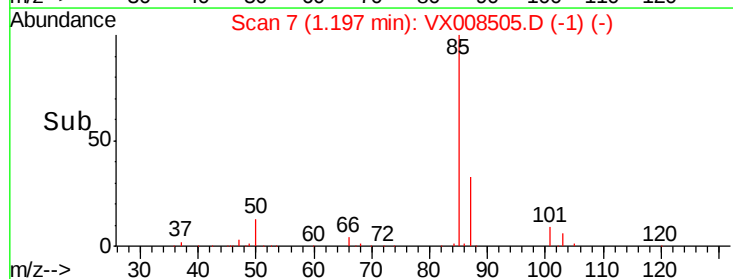
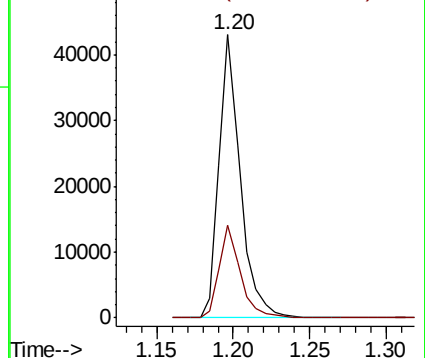
85 100

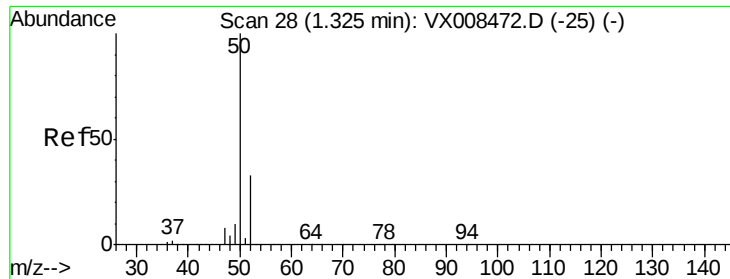
87 32.5 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.088 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

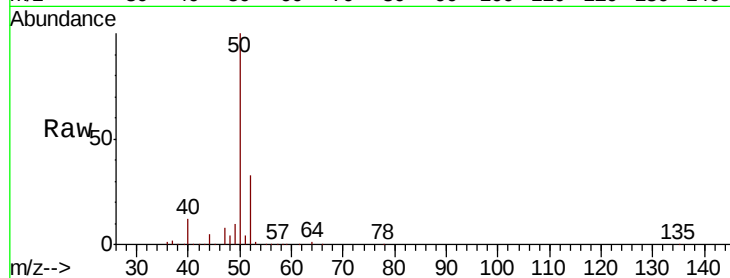
VSTDCCC020EC

Tot Ion: 50 Resp: 56665

Ion Ratio Lower Upper

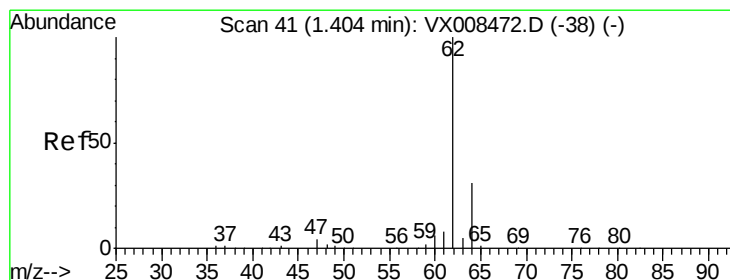
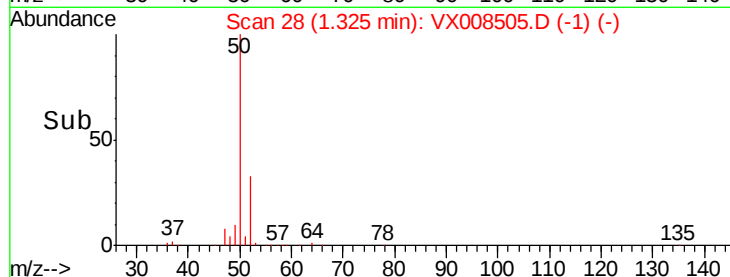
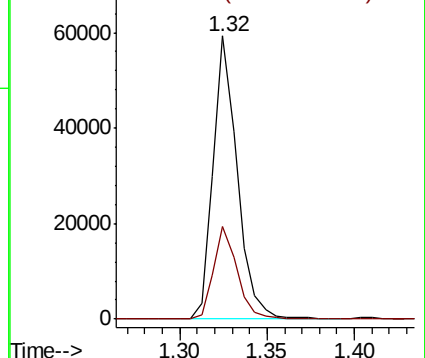
50 100

52 32.7 27.5 41.3



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.064 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008505.D

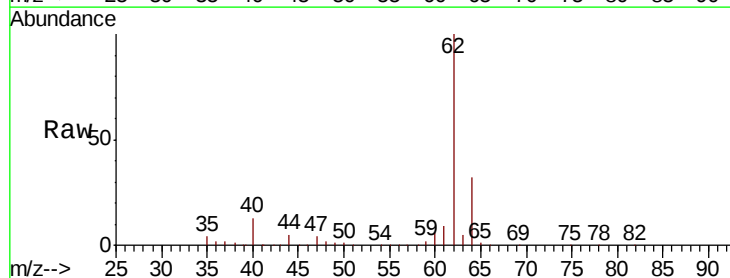
Acq: 27 Mar 2019 23:59

Tgt Ion: 62 Resp: 57040

Ion Ratio Lower Upper

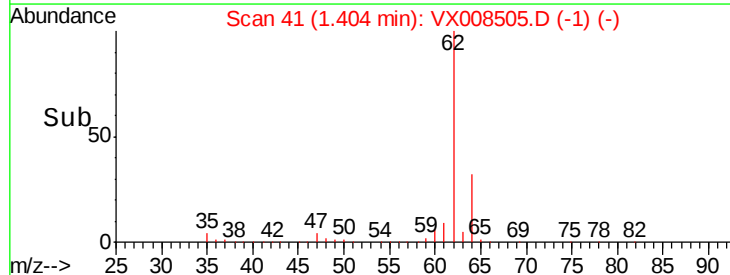
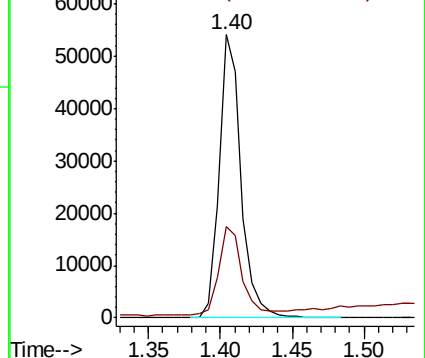
62 100

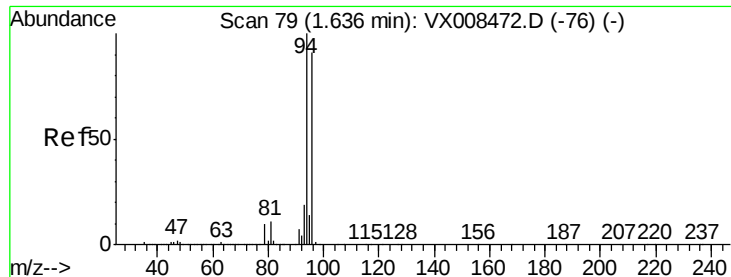
64 31.0 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 15.393 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

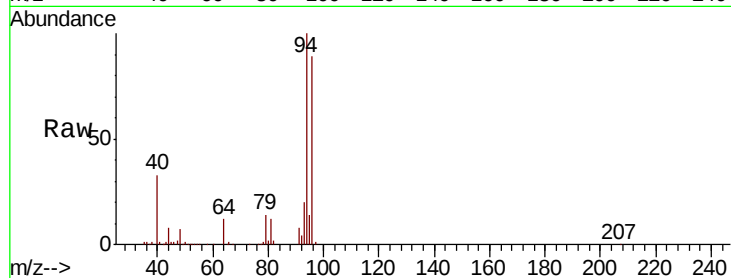
VSTDCCC020EC

Tot Ion: 94 Resp: 25185

Ion Ratio Lower Upper

94 100

96 89.3 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

20000

15000

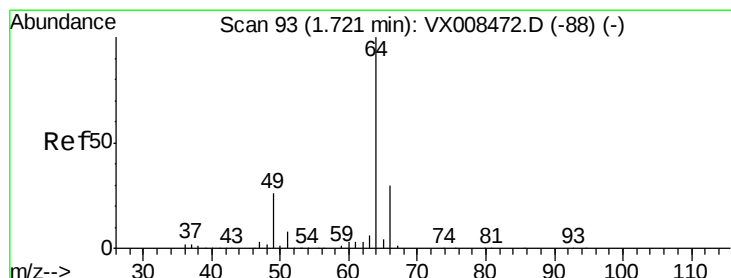
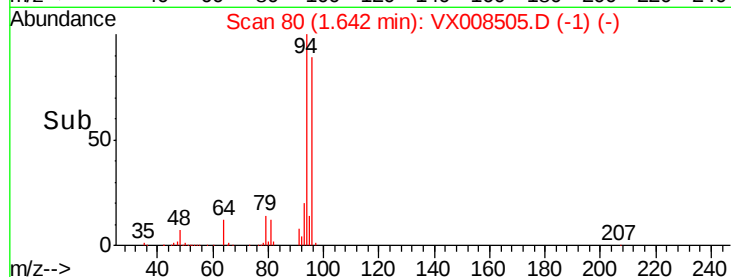
10000

5000

0

Time-->

1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 17.066 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008505.D

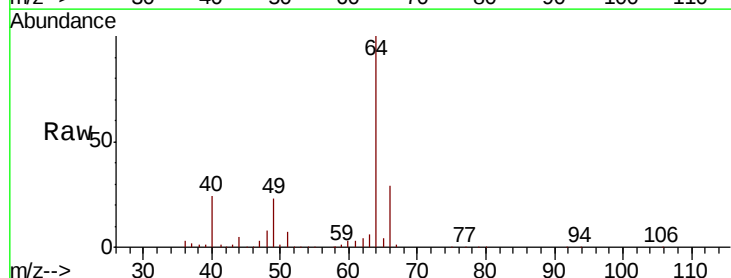
Acq: 27 Mar 2019 23:59

Tgt Ion: 64 Resp: 35270

Ion Ratio Lower Upper

64 100

66 30.9 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.73

30000

25000

20000

15000

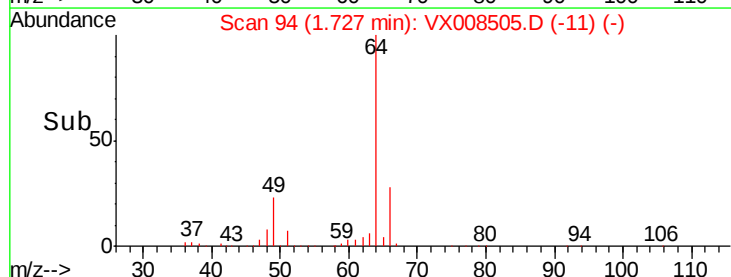
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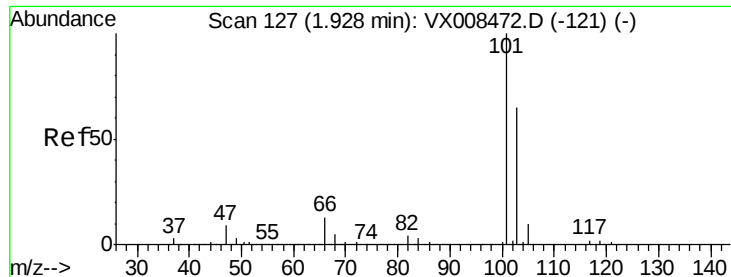
5000

0

Time-->

1.70 1.75 1.80



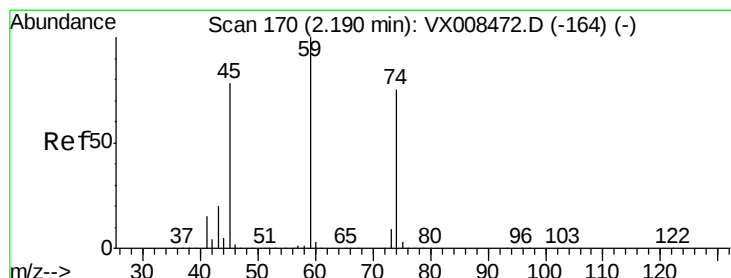
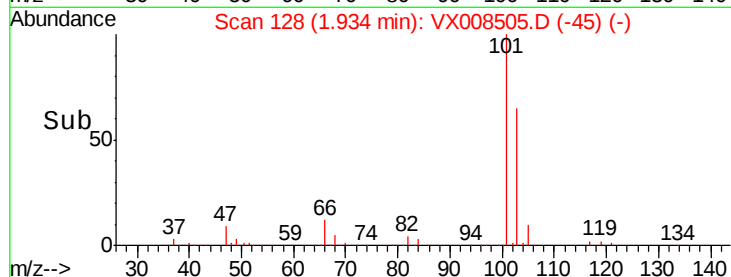
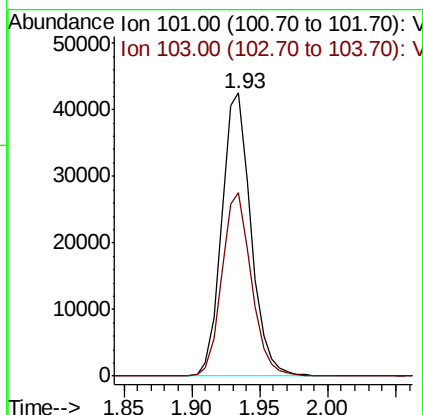
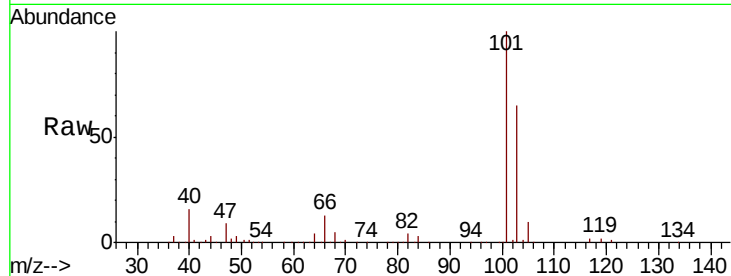


#7

Trichlorofluoromethane
 Concen: 18.058 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

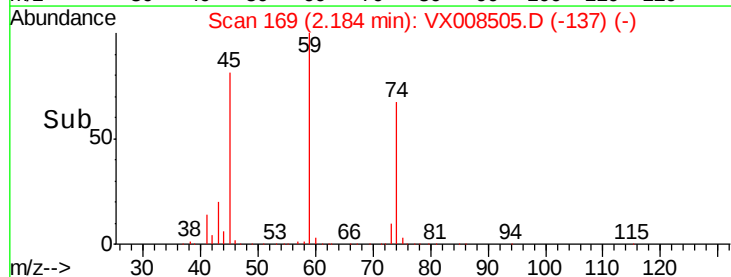
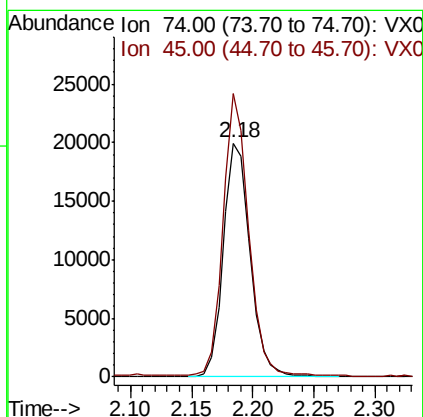
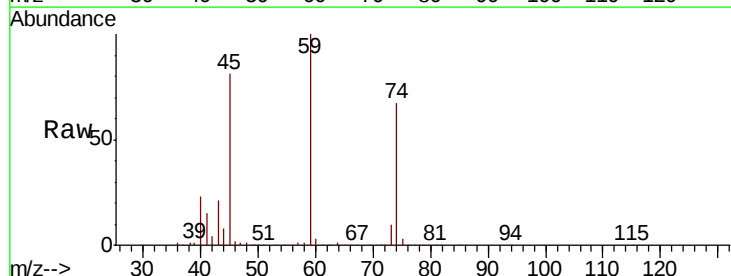
Tot Ion:101 Resp: 63290
 Ion Ratio Lower Upper
 101 100
 103 64.7 50.4 75.6

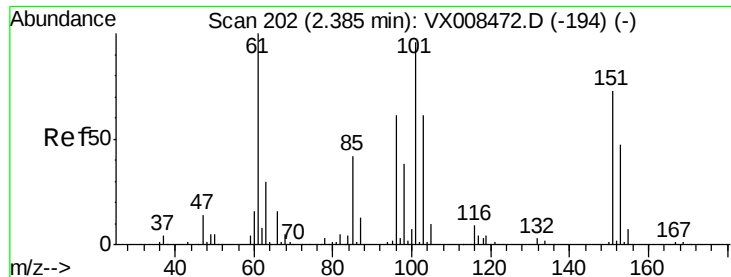


#8

Diethyl Ether
 Concen: 18.361 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 74 Resp: 30348
 Ion Ratio Lower Upper
 74 100
 45 114.1 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.426 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

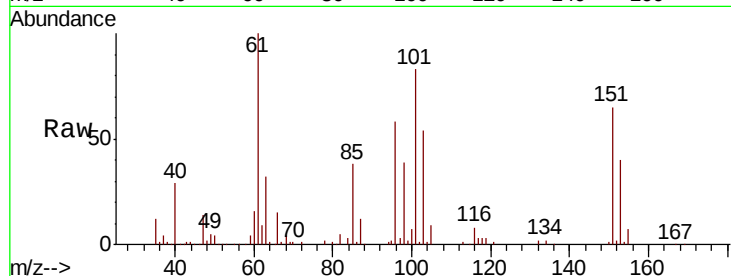
Tot Ion:101 Resp: 38036

Ion Ratio Lower Upper

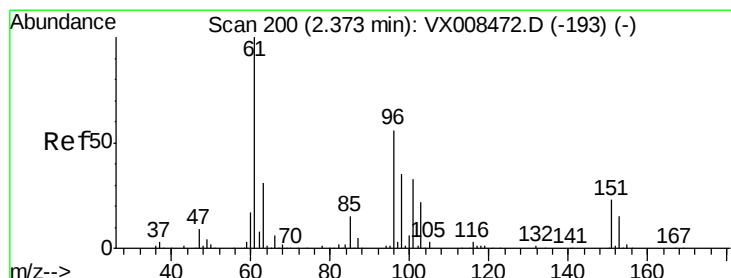
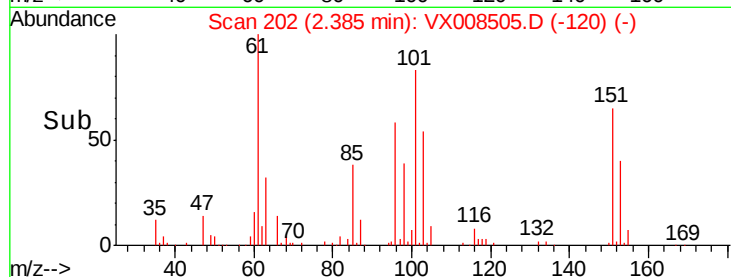
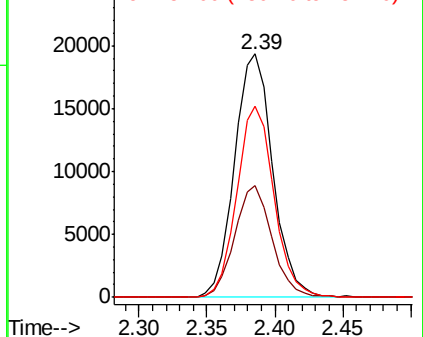
101 100

85 44.6 0.0 86.8

151 76.4 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VX0
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.566 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

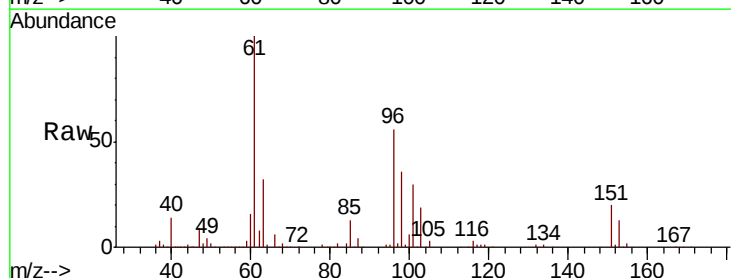
Tgt Ion: 96 Resp: 41110

Ion Ratio Lower Upper

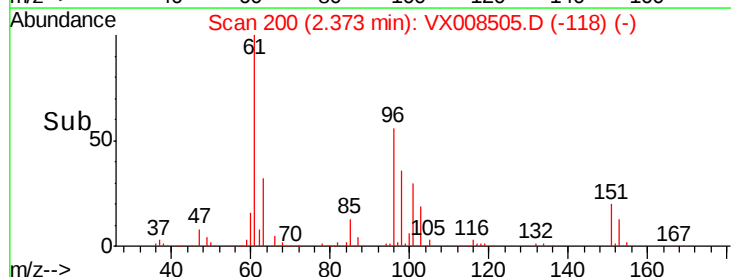
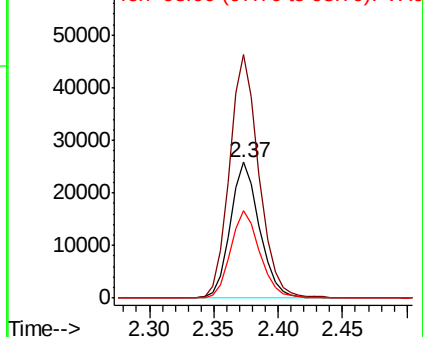
96 100

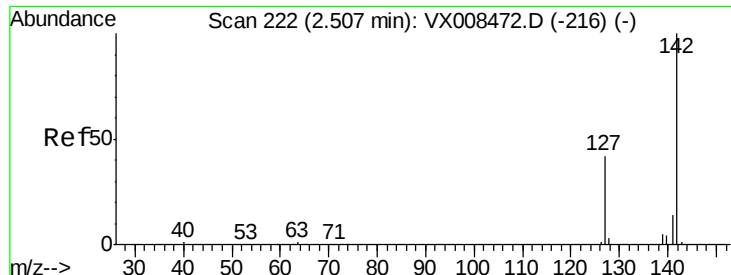
61 179.5 120.2 180.2

98 64.0 49.0 73.4



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

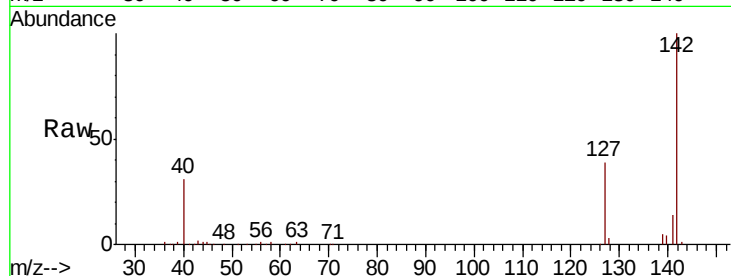




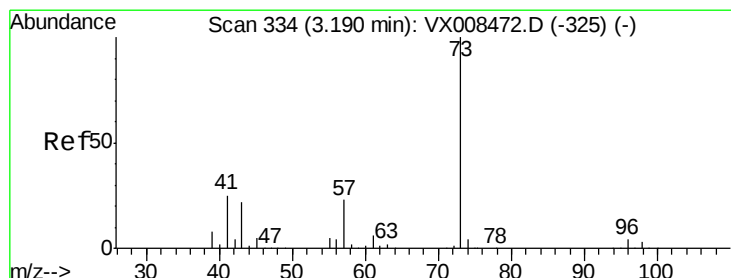
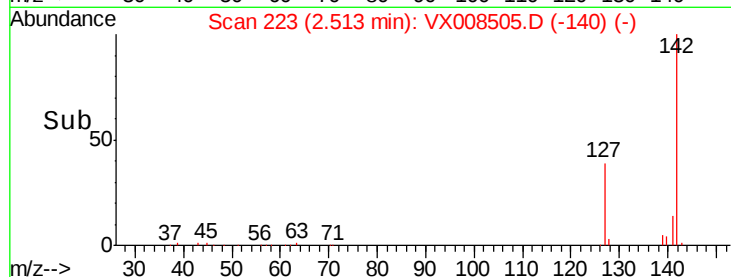
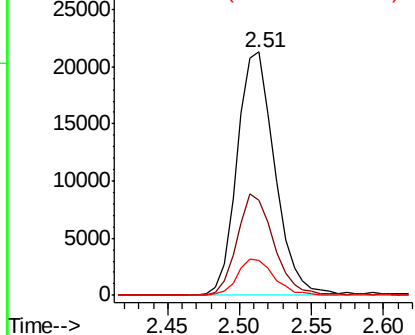
#11
Methyl Iodide
Concen: 16.877 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 38698
Ion Ratio Lower Upper
142 100
127 39.1 22.1 66.5
141 14.2 7.4 22.3

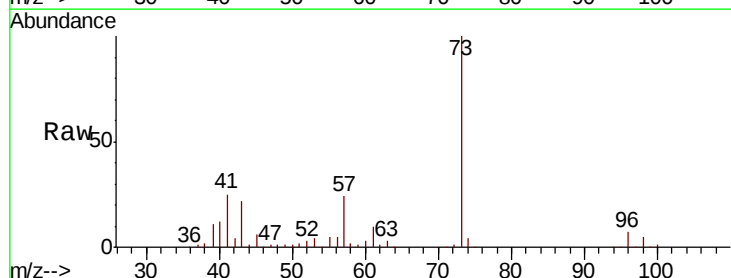


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

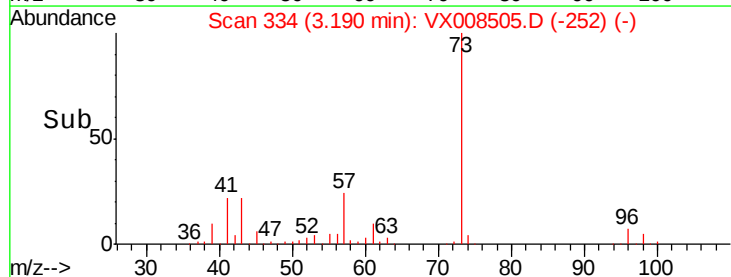
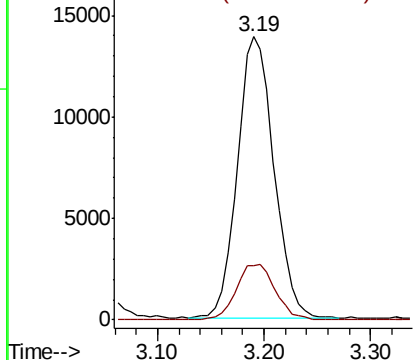


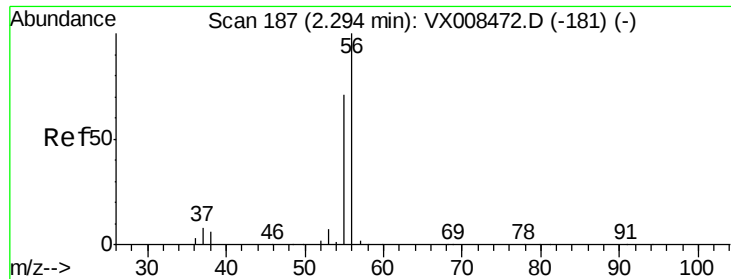
#12
Methyl Acetate
Concen: 18.593 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 43 Resp: 33368
Ion Ratio Lower Upper
43 100
74 19.4 19.4 29.0



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





#13

Acrolein

Concen: 51.687 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

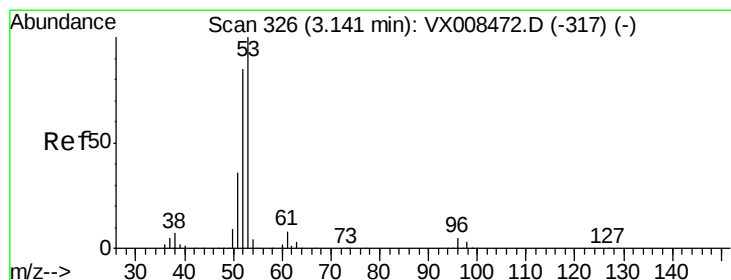
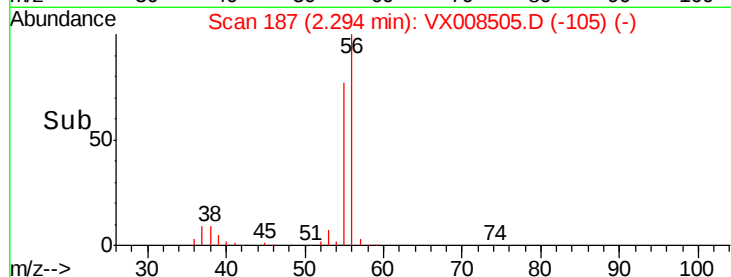
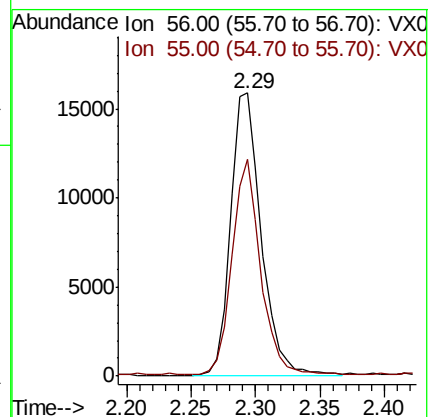
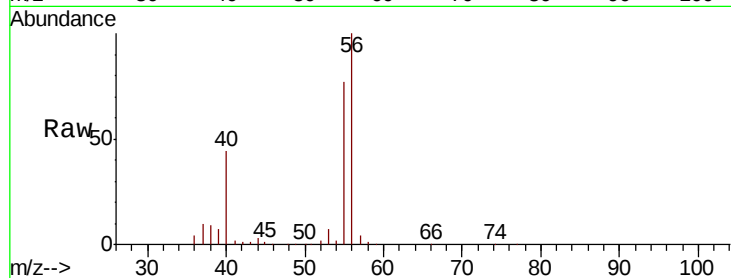
VSTDCCC020EC

Tot Ion: 56 Resp: 26612

Ion Ratio Lower Upper

56 100

55 70.6 58.6 87.8



#14

Acrylonitrile

Concen: 93.767 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

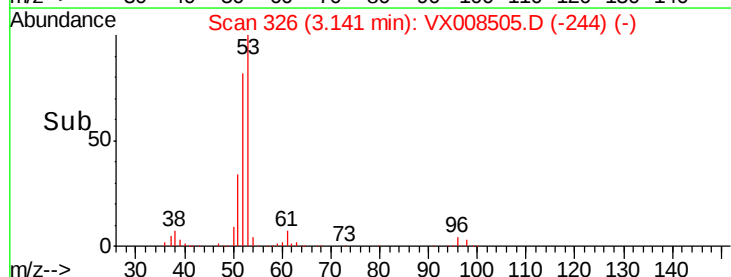
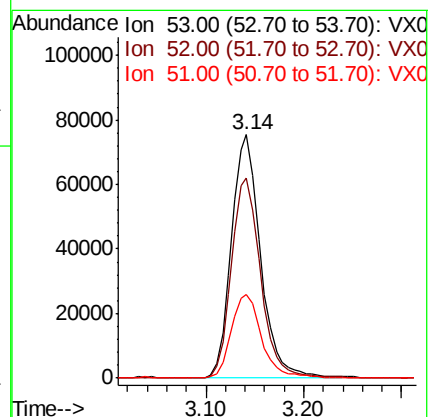
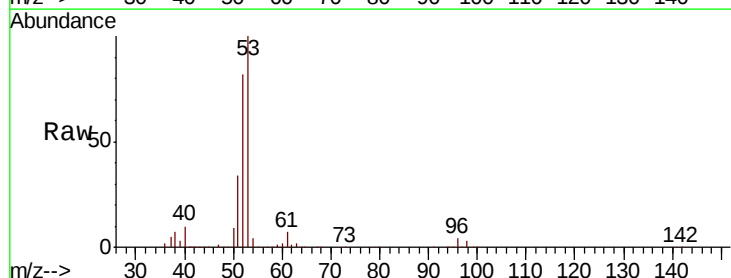
Tgt Ion: 53 Resp: 155584

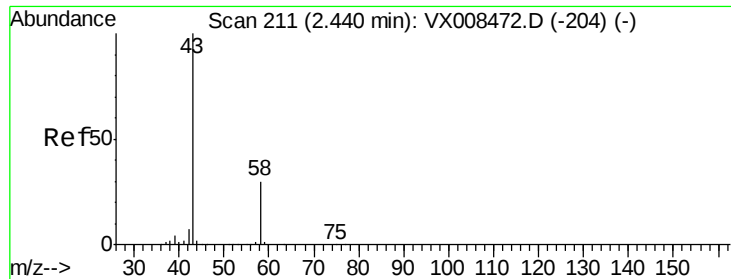
Ion Ratio Lower Upper

53 100

52 82.7 41.3 124.1

51 35.8 17.5 52.6





#15

Acetone

Concen: 79.553 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

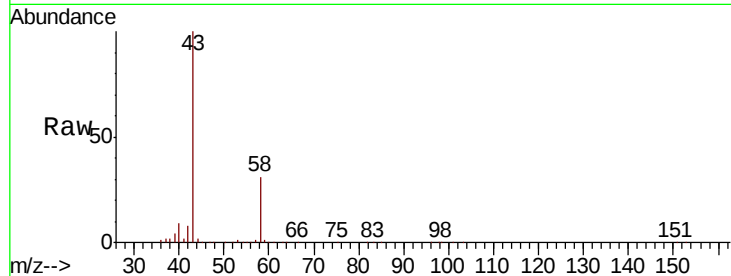
VSTDCCC020EC

Tot Ion: 58 Resp: 40705

Ion Ratio Lower Upper

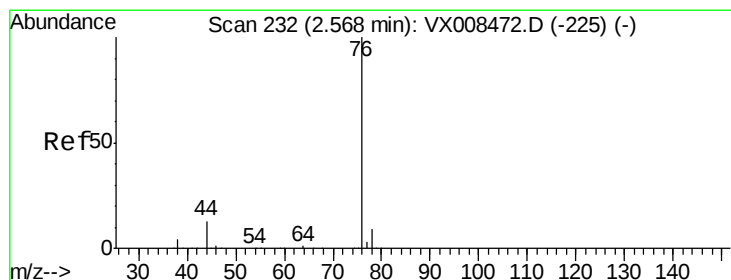
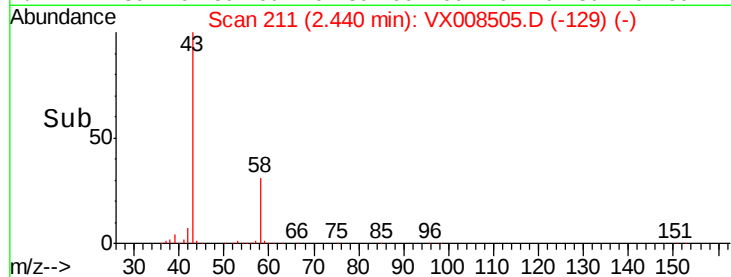
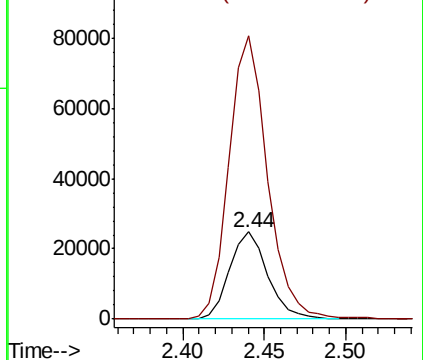
58 100

43 323.2 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.640 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008505.D

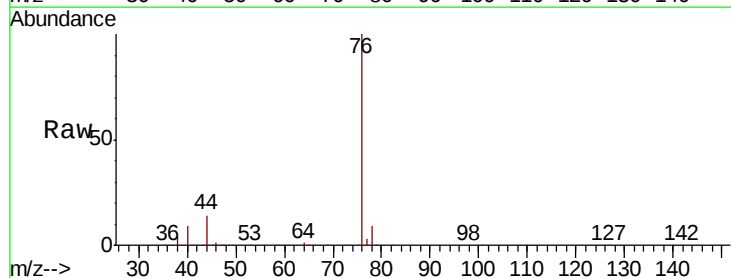
Acq: 27 Mar 2019 23:59

Tgt Ion: 76 Resp: 121510

Ion Ratio Lower Upper

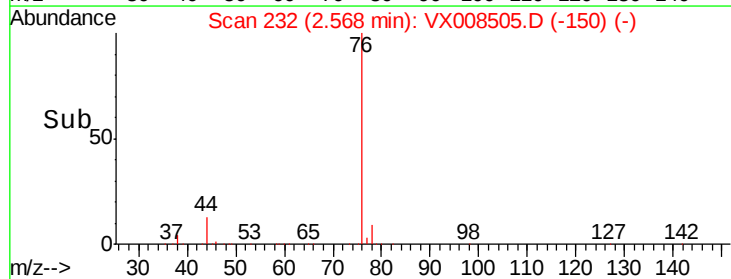
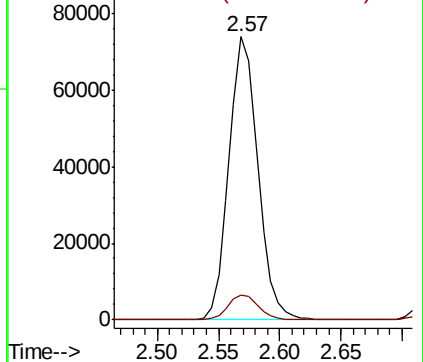
76 100

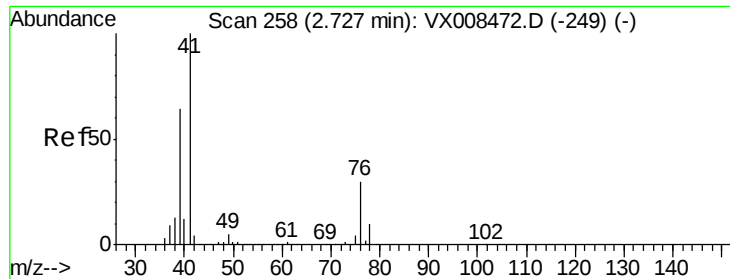
78 8.7 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

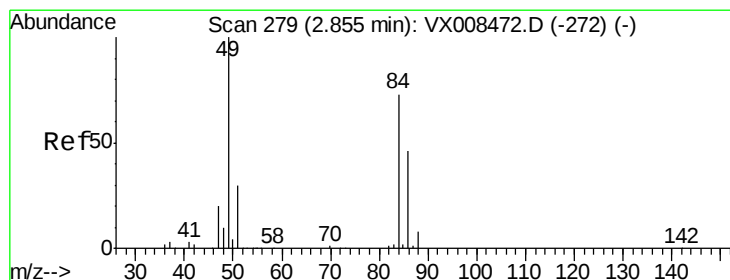
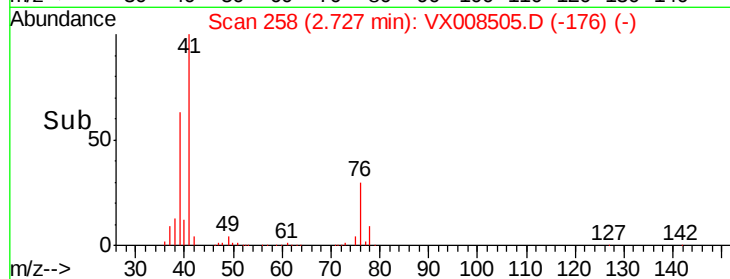
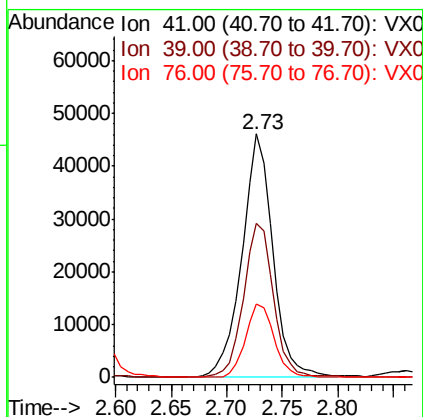
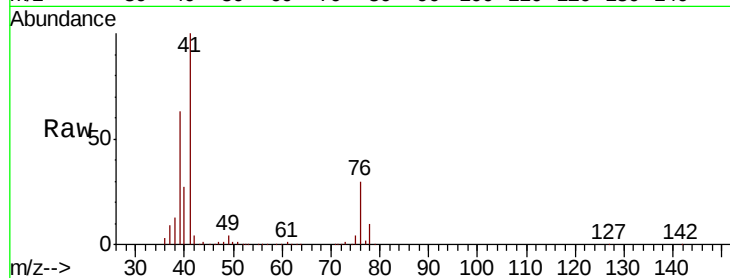




#17
Allvl chloride
Concen: 17.710 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

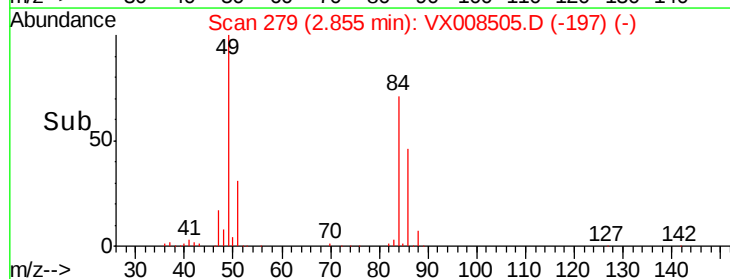
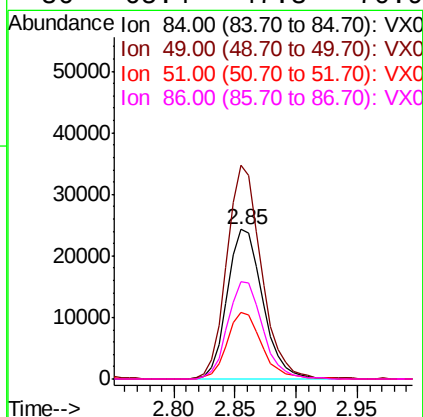
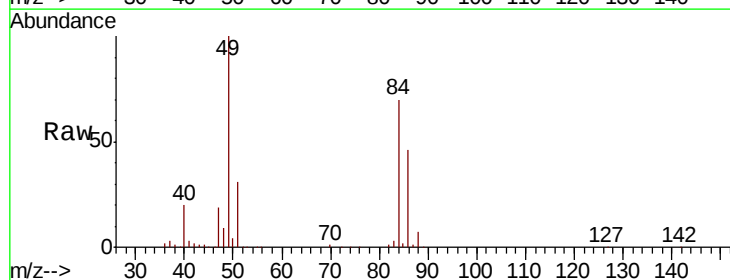
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

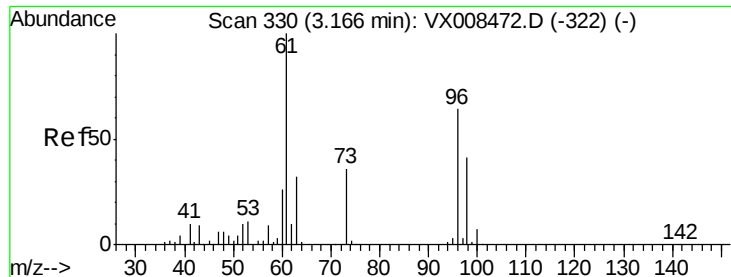
Tot Ion: 41 Resp: 88138
Ion Ratio Lower Upper
41 100
39 62.9 35.8 107.4
76 30.0 18.3 54.9



#18
Methylene Chloride
Concen: 18.511 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 84 Resp: 48998
Ion Ratio Lower Upper
84 100
49 142.3 96.1 144.1
51 43.9 29.1 43.7#
86 65.4 47.3 70.9

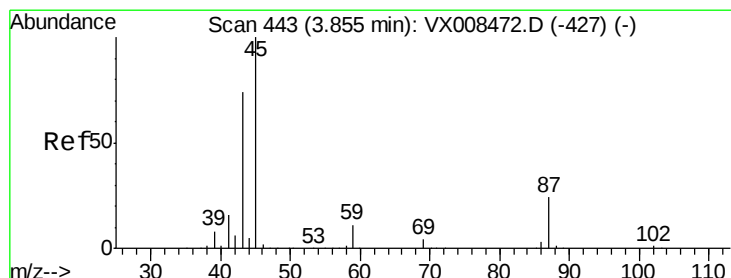
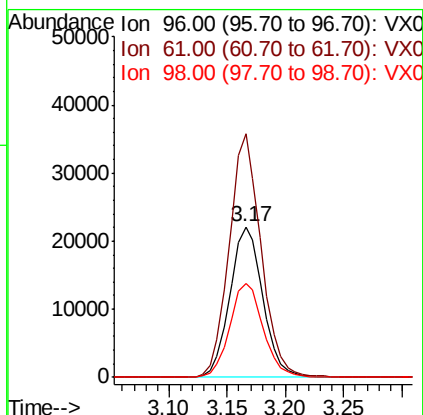
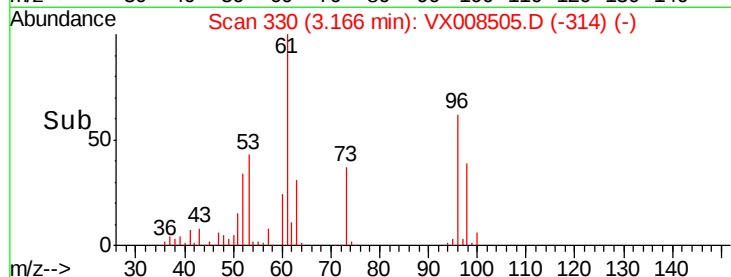
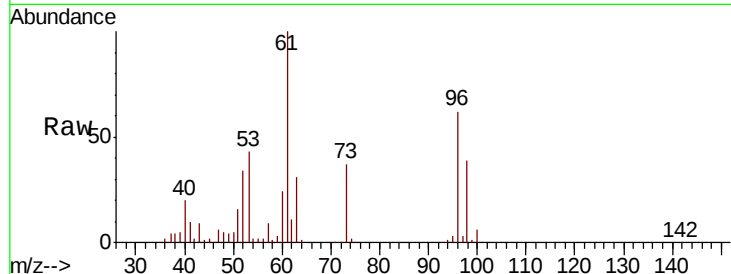




#19
trans-1,2-Dichloroethene
Concen: 18.383 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

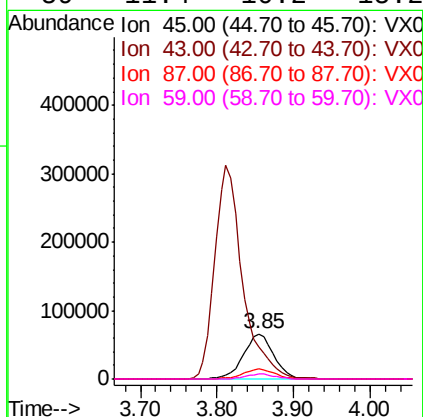
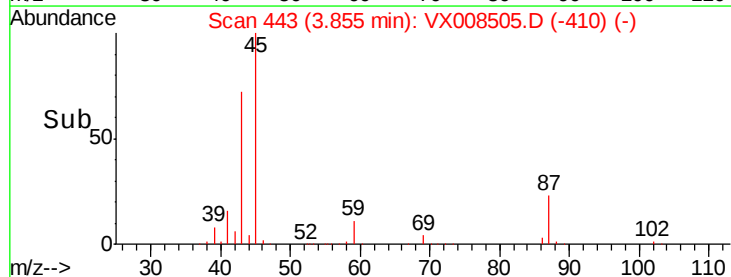
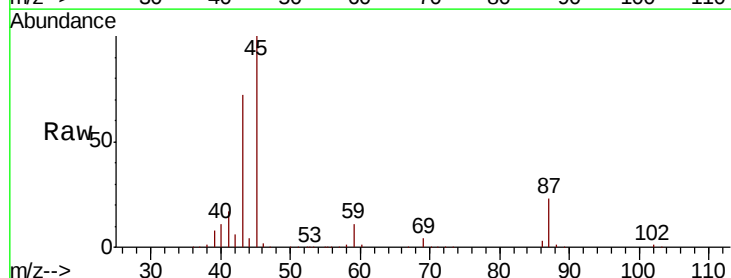
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

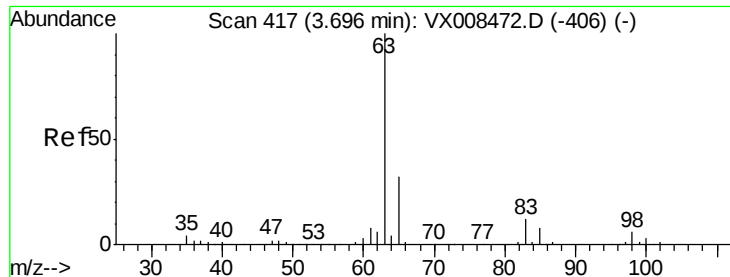
Tot Ion: 96 Resp: 43489
Ion Ratio Lower Upper
96 100
61 161.4 109.9 164.9
98 62.5 50.4 75.6



#20
Diisopropyl ether
Concen: 18.632 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 45 Resp: 180470
Ion Ratio Lower Upper
45 100
43 71.9 50.6 76.0
87 23.1 24.5 36.7#
59 11.4 10.2 15.2





#21

1,1-Dichloroethane

Concen: 18.737 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

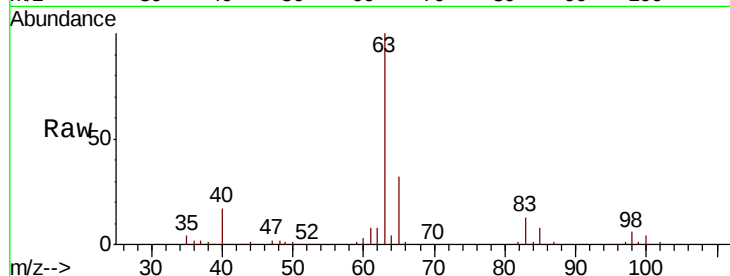
Tot Ion: 63 Resp: 91098

Ion Ratio Lower Upper

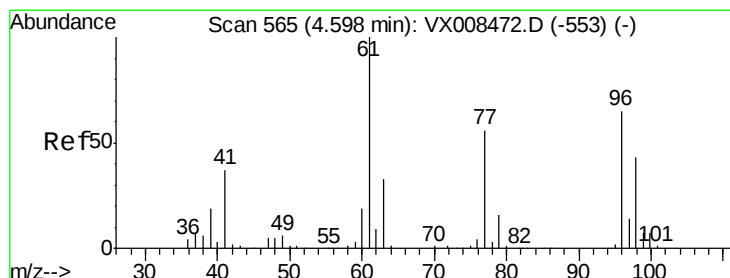
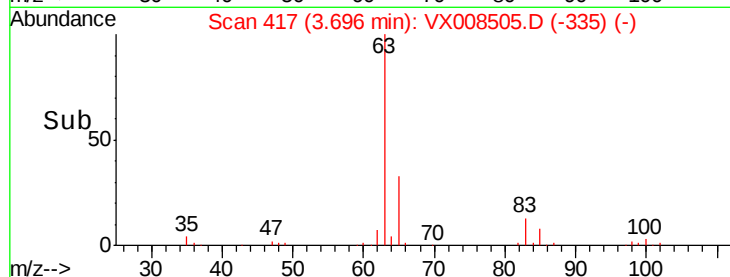
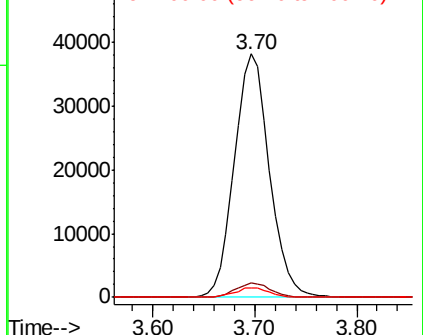
63 100

98 6.0 3.8 11.4

100 3.8 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: 18.495 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

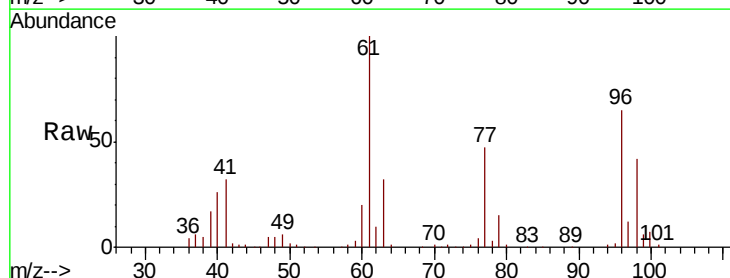
Tgt Ion: 96 Resp: 50562

Ion Ratio Lower Upper

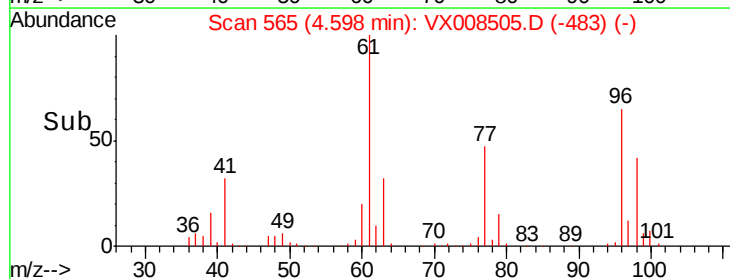
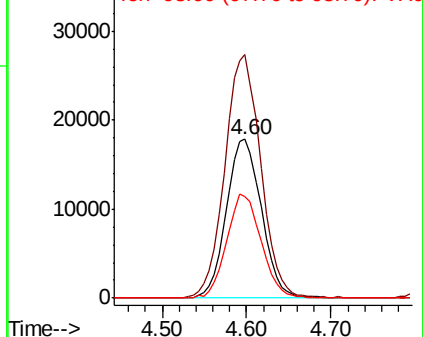
96 100

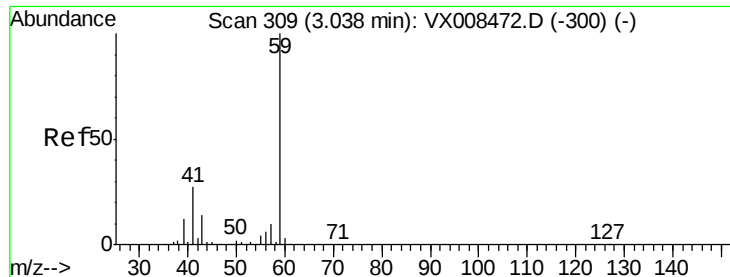
61 156.9 103.5 155.3#

98 64.3 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: 83.272 ug/l

RT: 3.04 min Scan# 309

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

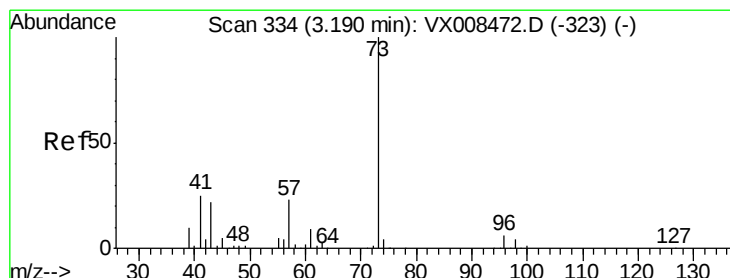
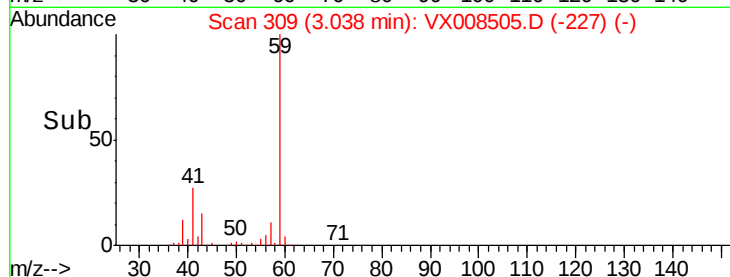
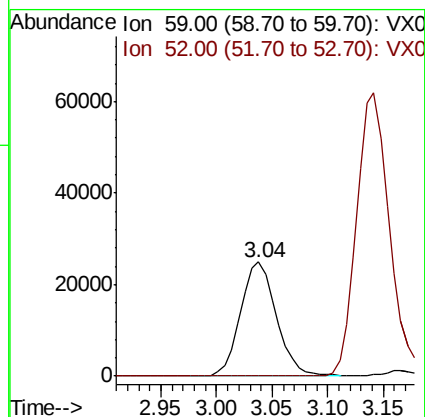
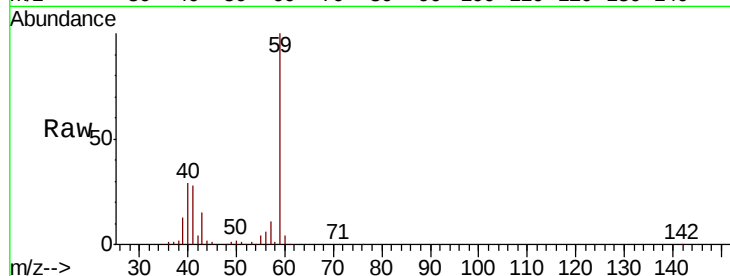
VSTDCCC020EC

Tot Ion: 59 Resp: 55794

Ion Ratio Lower Upper

59 100

52 0.6 0.2 0.2#



#24

Methyl tert-Butyl Ether

Concen: 18.406 ug/l

RT: 3.19 min Scan# 334

Delta R.T. 0.00 min

Lab File: VX008505.D

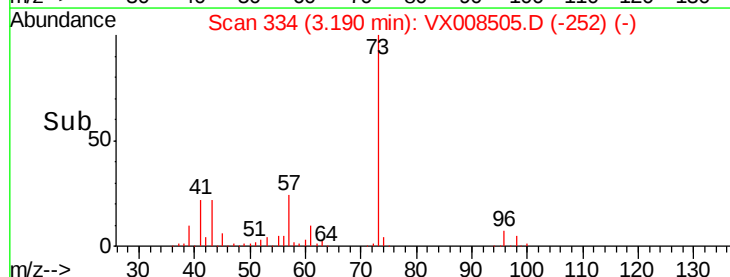
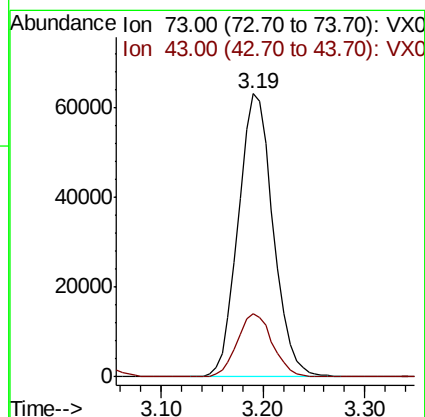
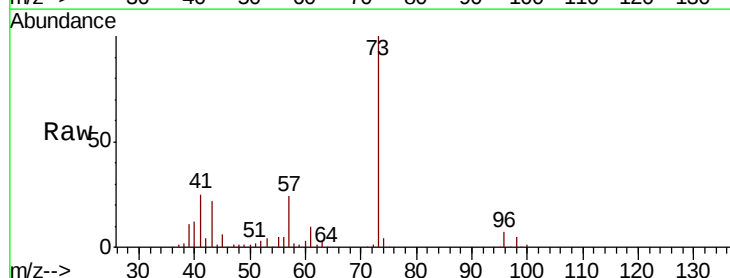
Acq: 27 Mar 2019 23:59

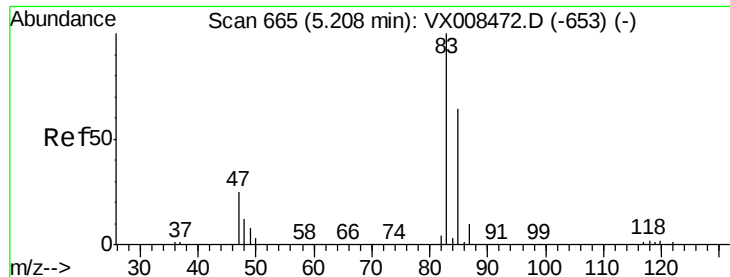
Tgt Ion: 73 Resp: 149784

Ion Ratio Lower Upper

73 100

43 22.3 17.1 25.7

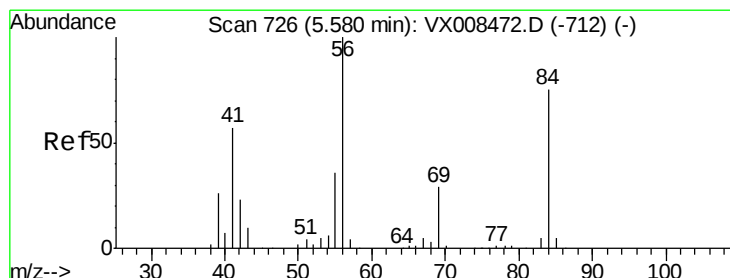
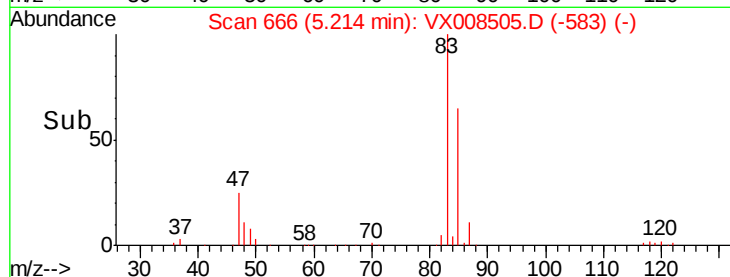
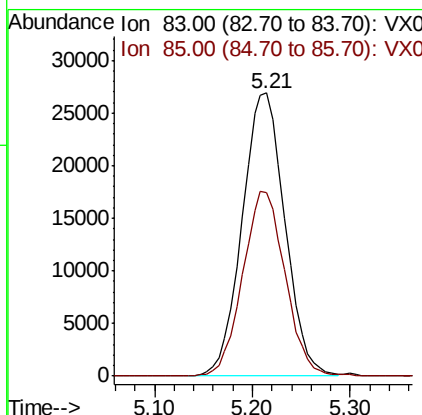
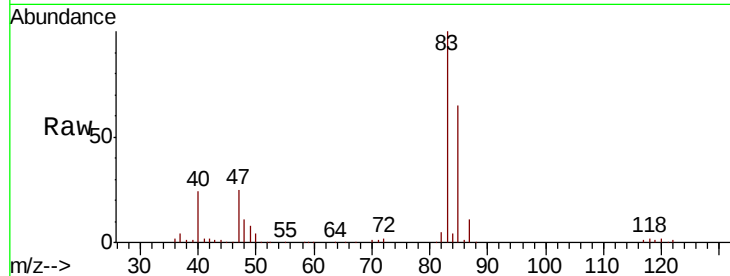




#25
Chloroform
Concen: 18.538 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

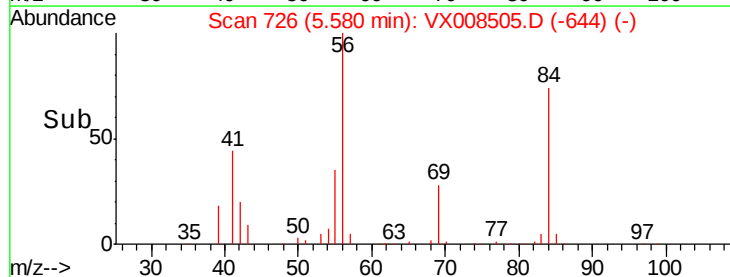
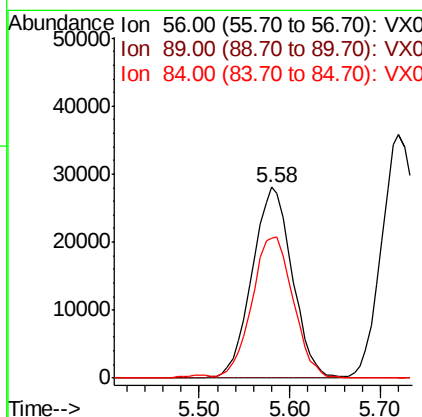
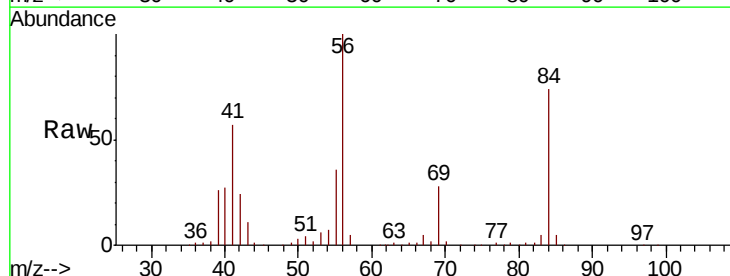
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

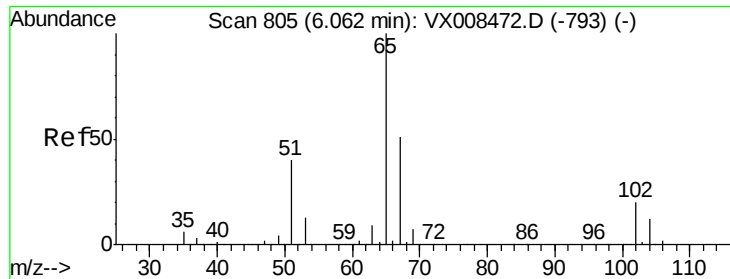
Tot Ion: 83 Resp: 81643
Ion Ratio Lower Upper
83 100
85 64.9 53.8 80.6



#26
Cyclohexane
Concen: 18.175 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 56 Resp: 85847
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.2 73.9 110.9





#27

1,2-Dichloroethane-d4

Concen: 29.930 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

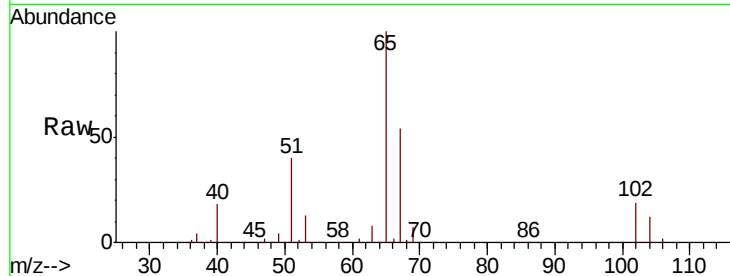
VSTDCCC020EC

Tot Ion: 65 Resp: 87549

Ion Ratio Lower Upper

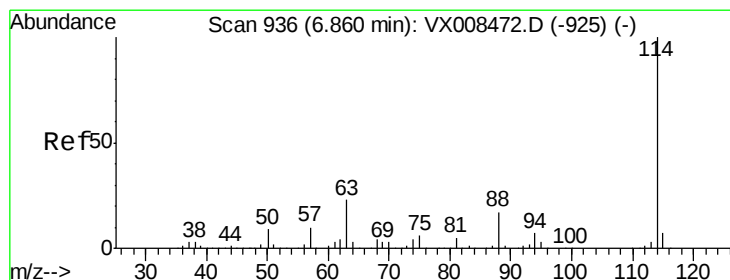
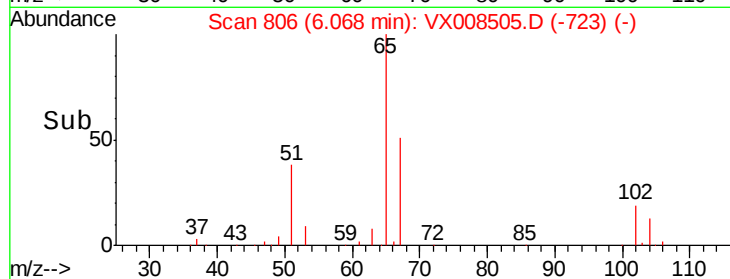
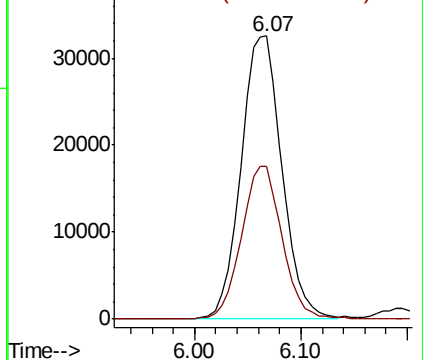
65 100

67 53.6 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

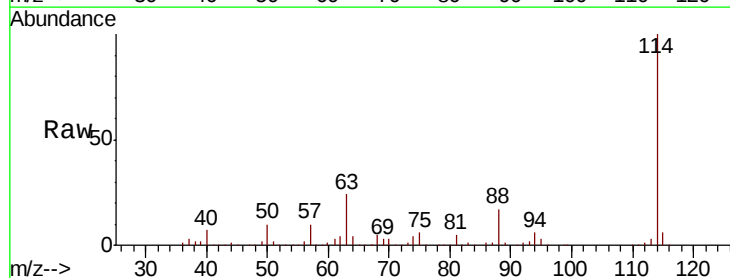
Tgt Ion: 114 Resp: 200890

Ion Ratio Lower Upper

114 100

63 23.5 14.2 21.4#

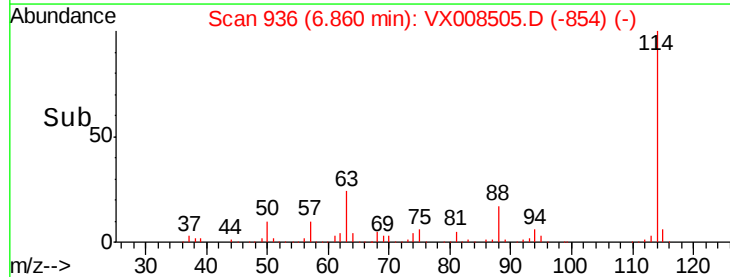
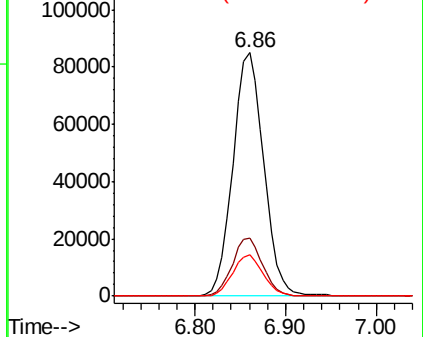
88 16.7 11.9 17.9

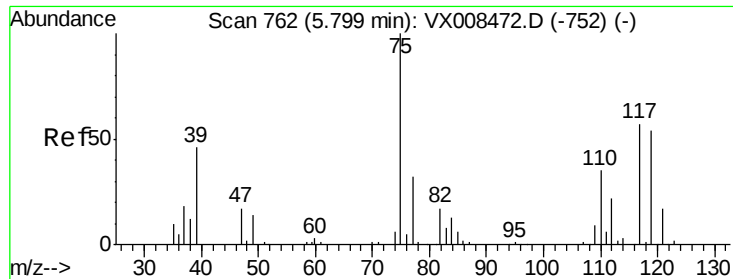


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

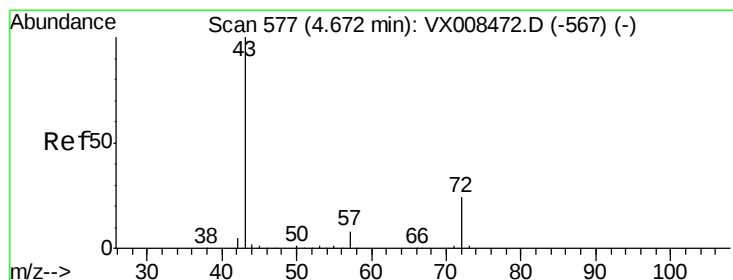
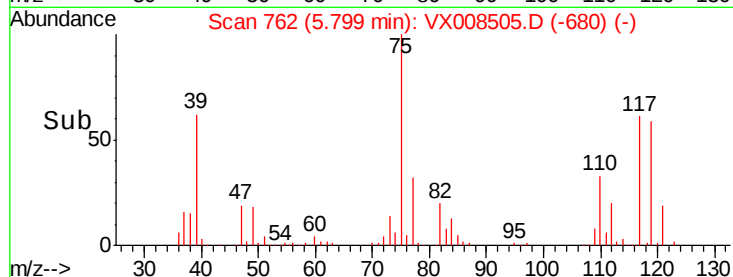
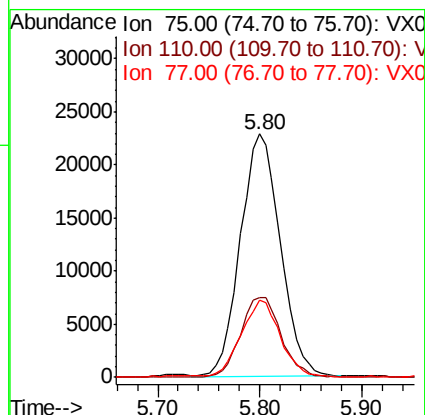
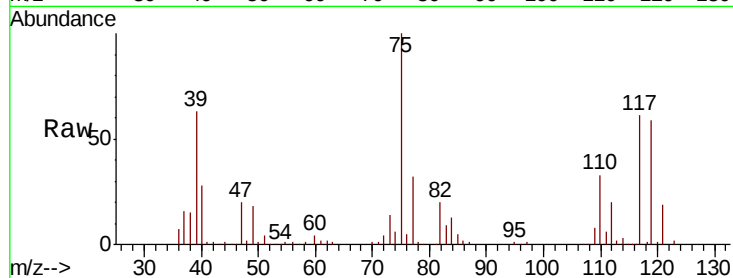




#29
 1,1-Dichloropropene
 Concen: 18.426 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

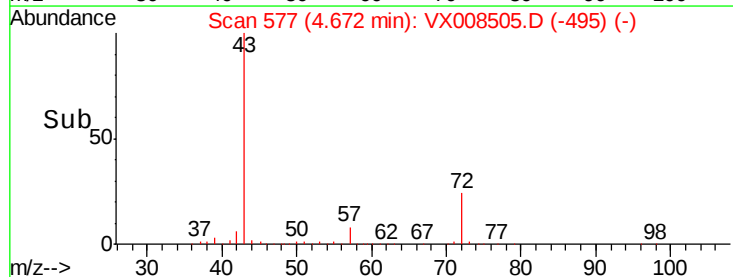
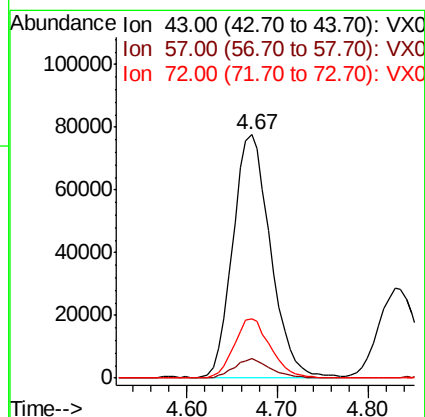
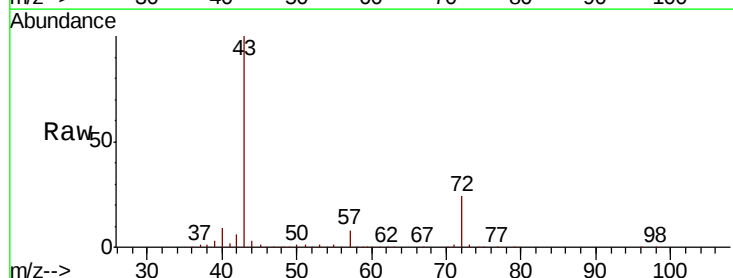
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

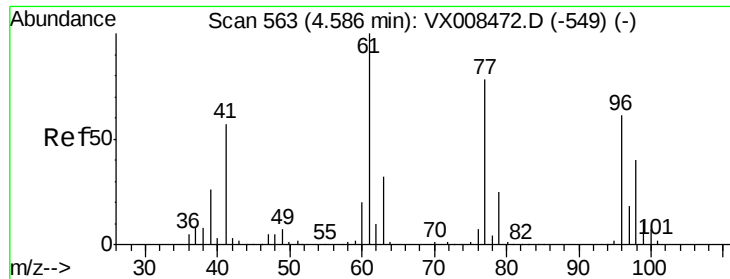
Tot Ion: 75 Resp: 62275
 Ion Ratio Lower Upper
 75 100
 110 33.4 0.0 80.8
 77 31.2 0.0 62.4



#30
 2-Butanone
 Concen: 89.605 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 43 Resp: 222691
 Ion Ratio Lower Upper
 43 100
 57 7.8 7.0 10.6
 72 23.8 21.5 32.3

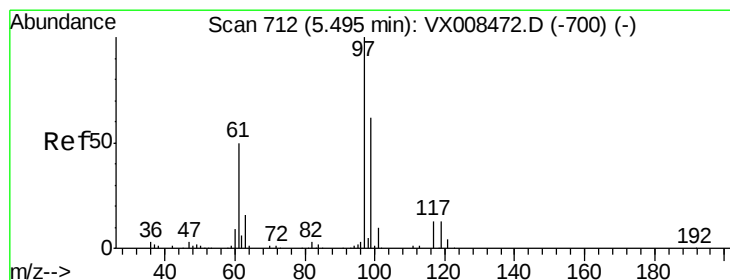
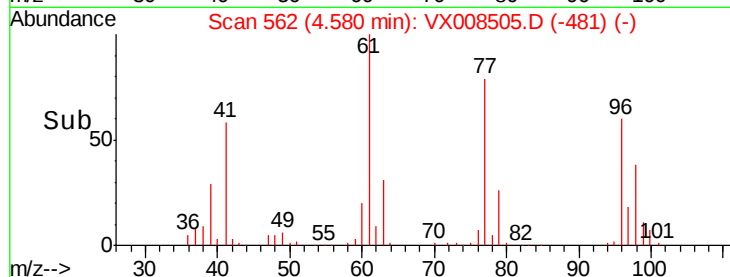
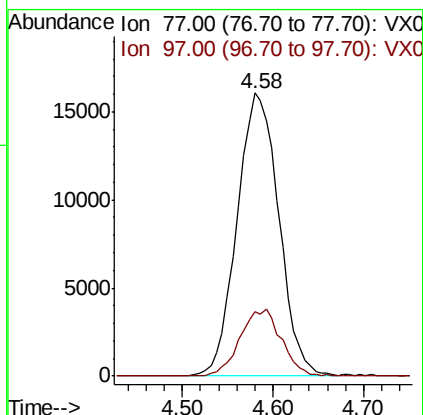
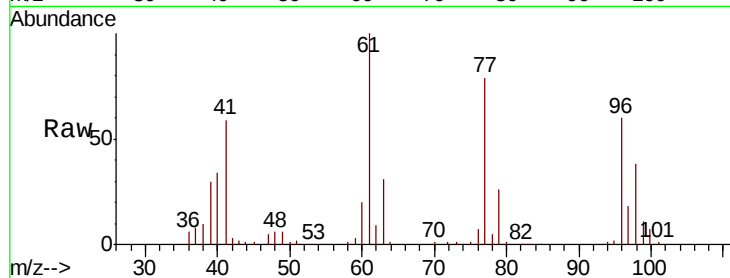




#31
 2,2-Dichloropropane
 Concen: 15.181 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

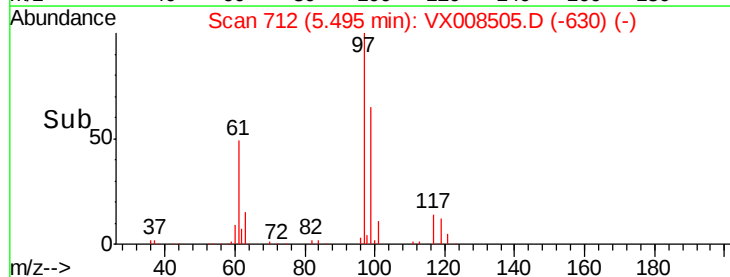
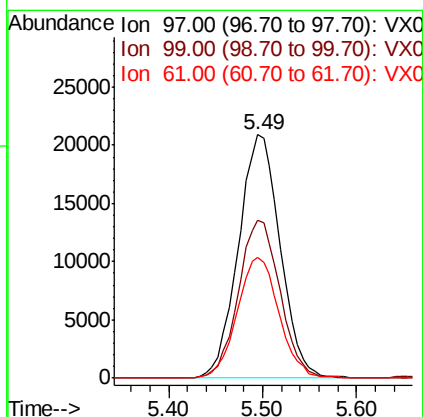
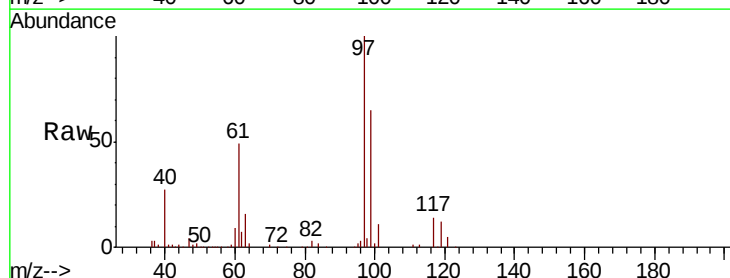
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

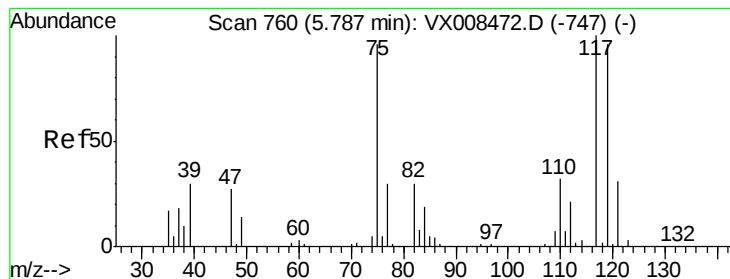
Tot Ion: 77 Resp: 51243
 Ion Ratio Lower Upper
 77 100
 97 23.5 20.6 31.0



#32
 1,1,1-Trichloroethane
 Concen: 18.464 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 97 Resp: 64801
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 49.7 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 17.900 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

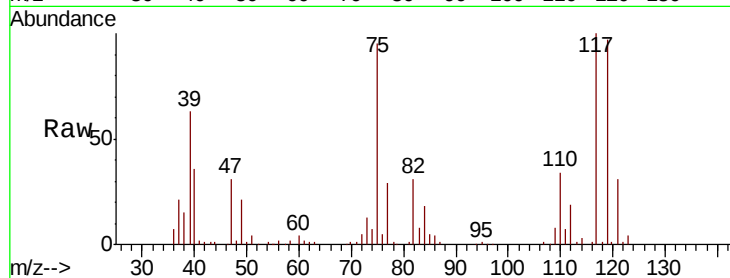
Tot Ion:117 Resp: 52562

Ion Ratio Lower Upper

117 100

119 97.4 78.1 117.1

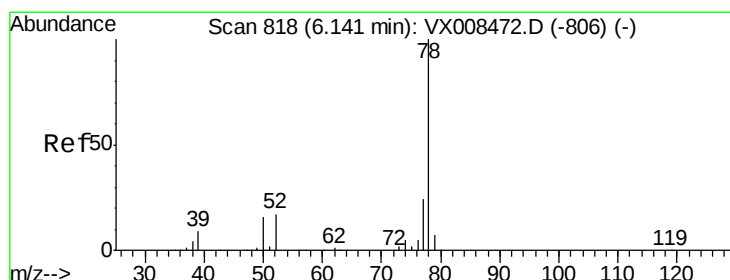
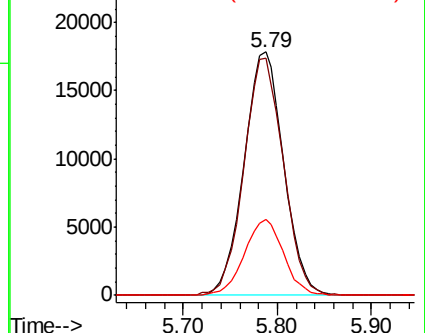
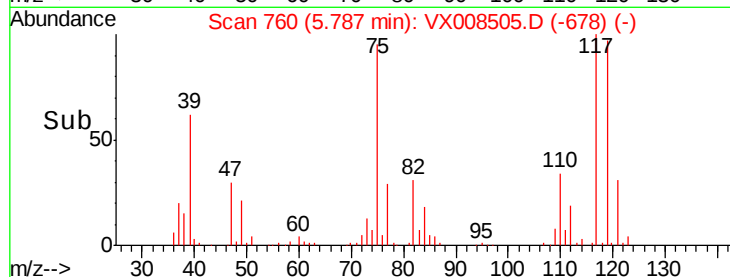
121 31.4 27.0 40.6



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: 18.990 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

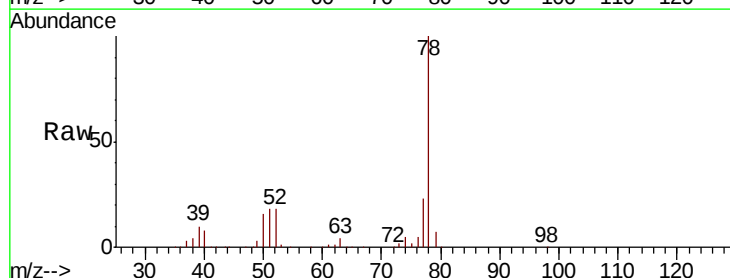
Tgt Ion: 78 Resp: 196185

Ion Ratio Lower Upper

78 100

77 23.2 19.1 28.7

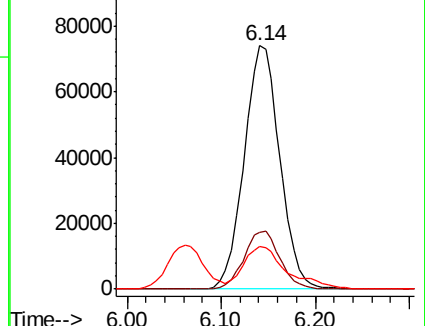
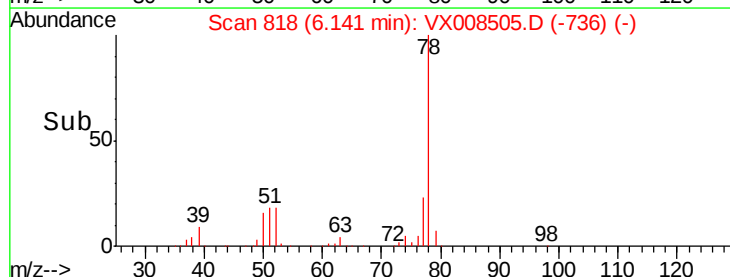
51 16.9 10.8 16.2#

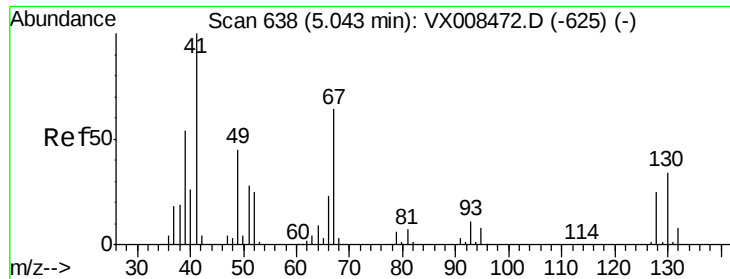


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

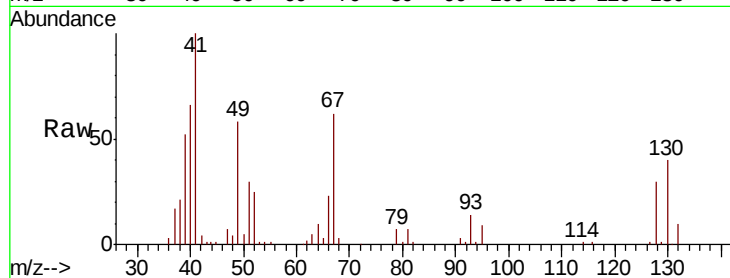




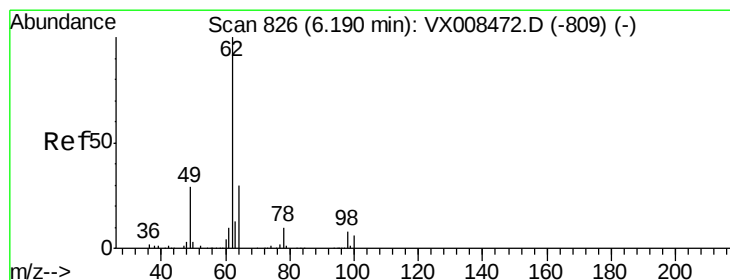
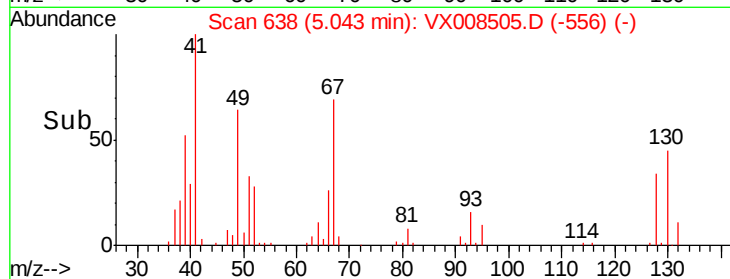
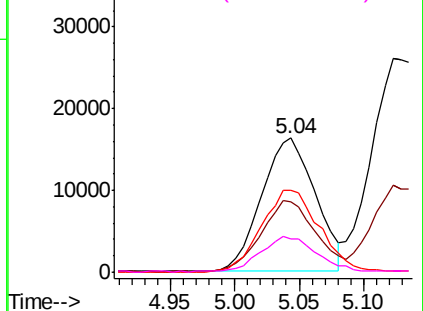
#35
Methacrylonitrile
Concen: 18.794 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	47500
Ion	Ratio	Lower	Upper
41	100		
39	52.0	27.4	82.0
67	62.0	37.9	113.6
52	24.8	13.3	39.9

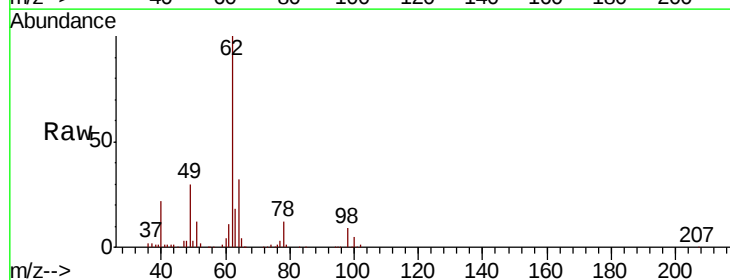


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

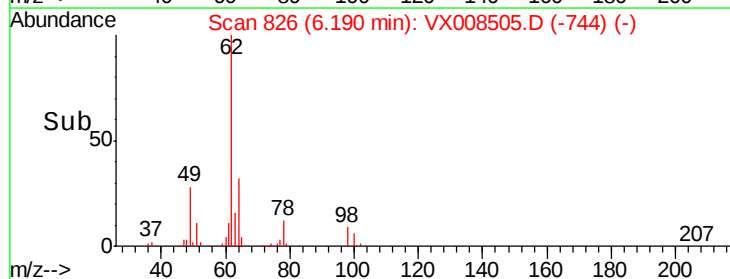
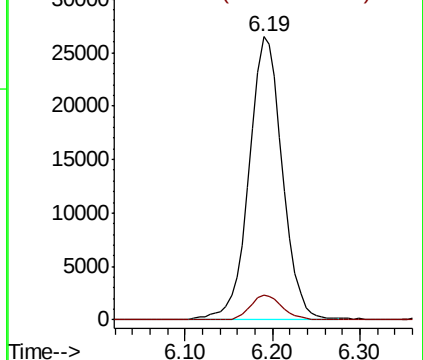


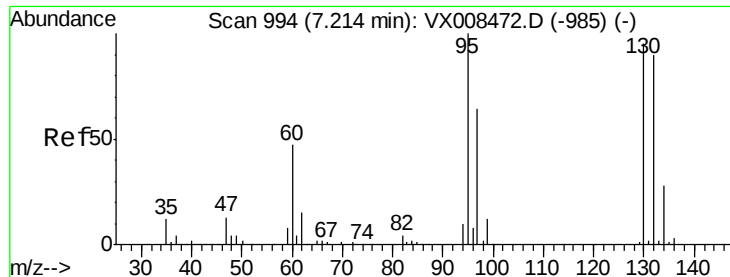
#36
1,2-Dichloroethane
Concen: 19.079 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion:	62	Resp:	70274
Ion	Ratio	Lower	Upper
62	100		
98	8.5	7.8	11.8



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

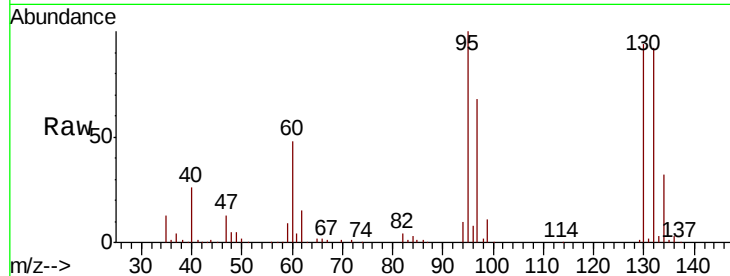




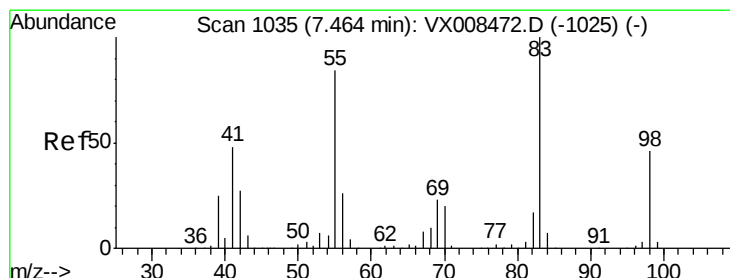
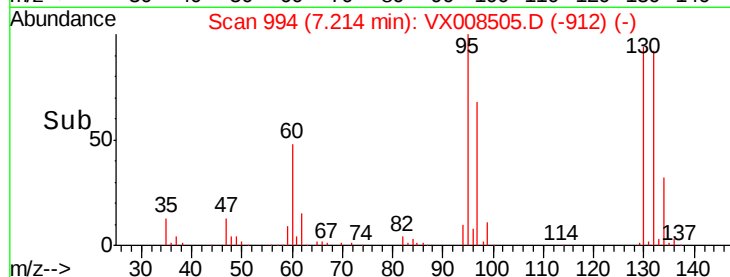
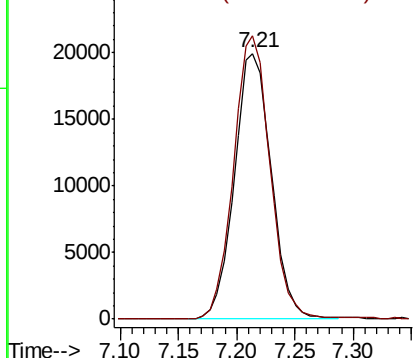
#37
 Trichloroethene
 Concen: 18.570 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 44120
 Ion Ratio Lower Upper
 130 100
 95 106.6 71.3 106.9

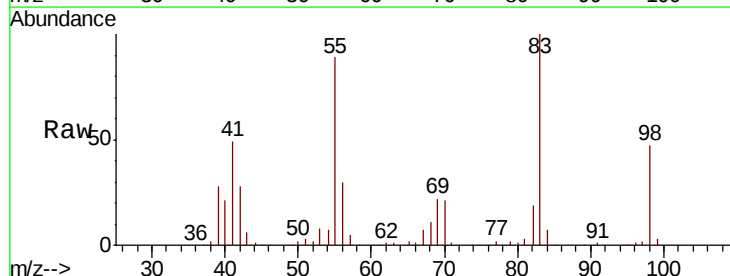


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

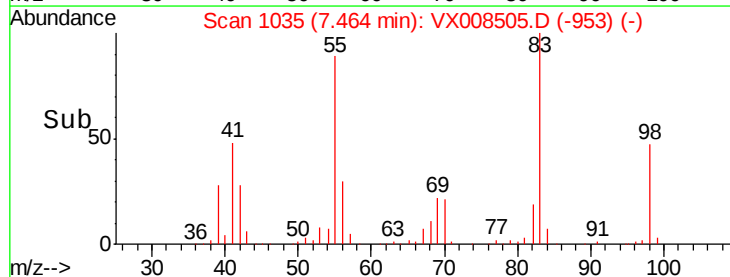
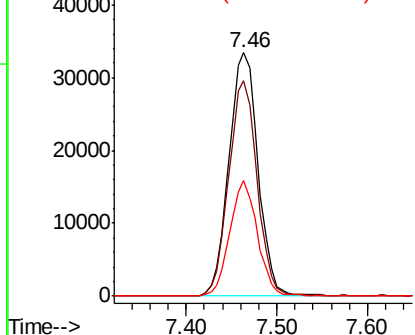


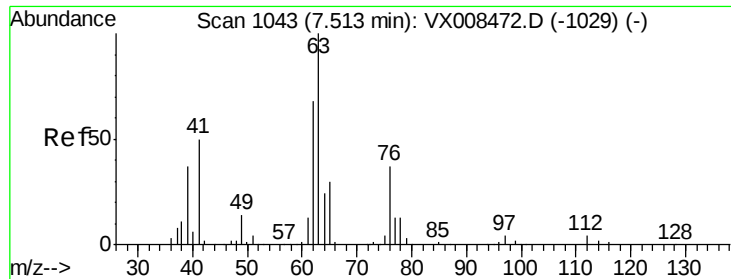
#38
 Methylcyclohexane
 Concen: 17.552 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 83 Resp: 74750
 Ion Ratio Lower Upper
 83 100
 55 85.6 36.0 108.0
 98 45.0 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

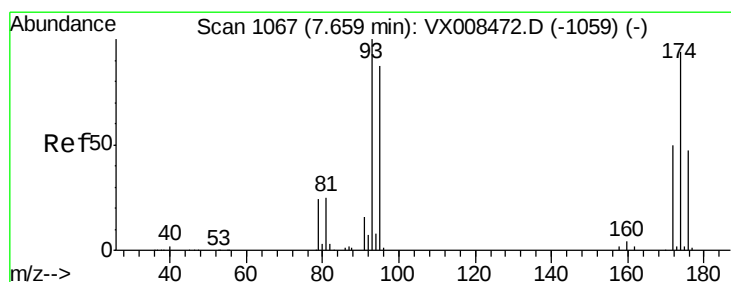
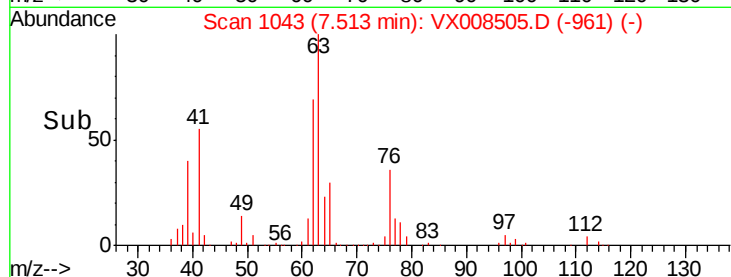
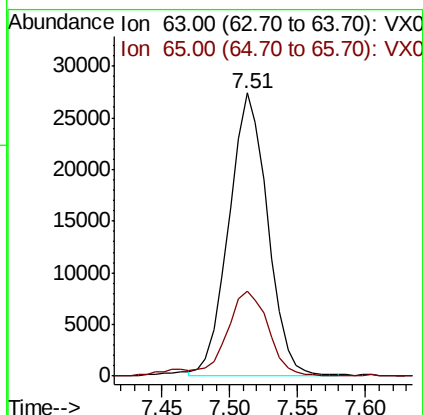
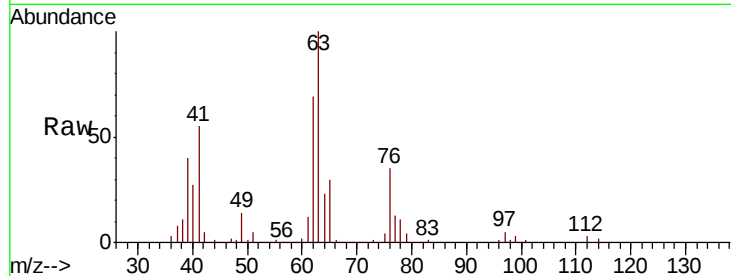




#39
 1,2-Dichloropropane
 Concen: 18.604 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

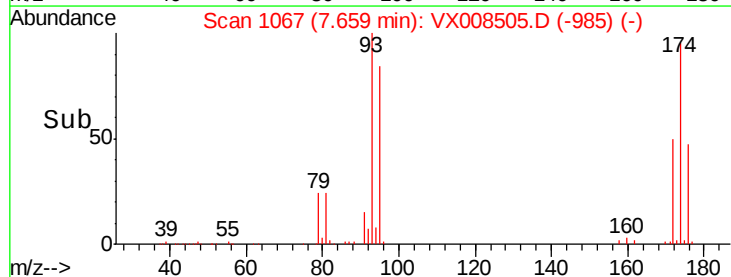
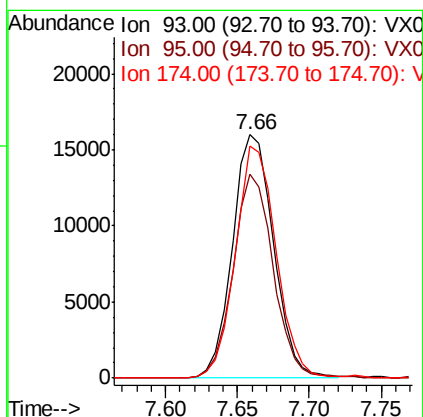
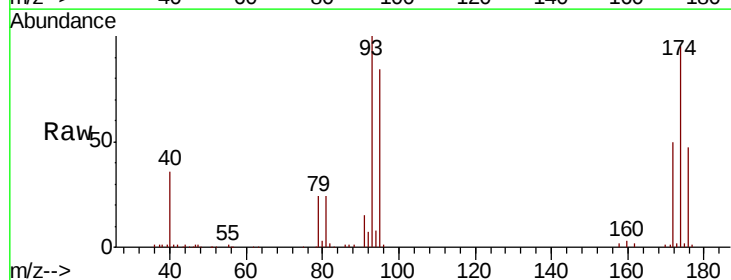
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

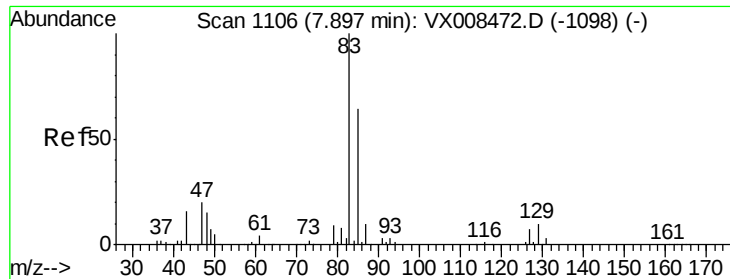
Tot Ion: 63 Resp: 54514
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0



#40
 Dibromomethane
 Concen: 18.777 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 93 Resp: 31872
 Ion Ratio Lower Upper
 93 100
 95 81.8 0.0 158.8
 174 93.6 0.0 224.2

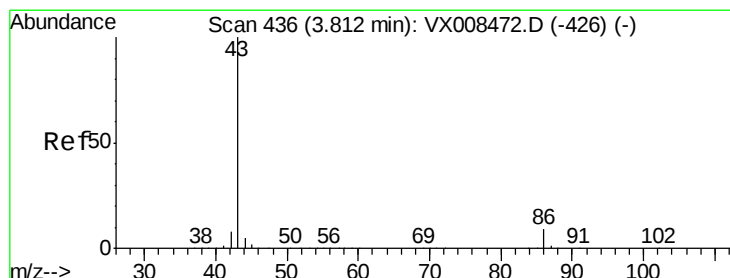
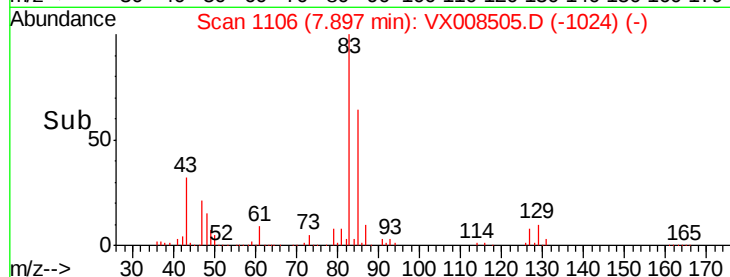
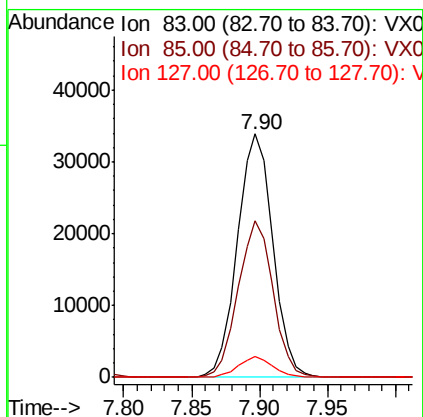
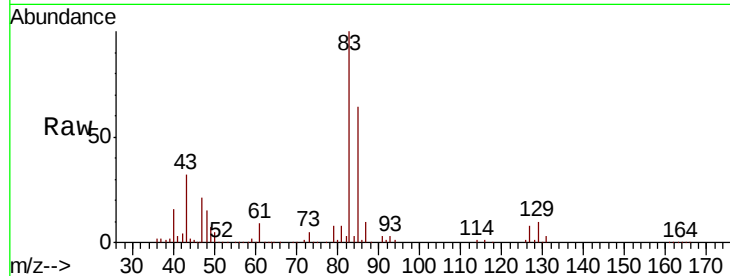




#41
Bromodichloromethane
Concen: 18.526 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

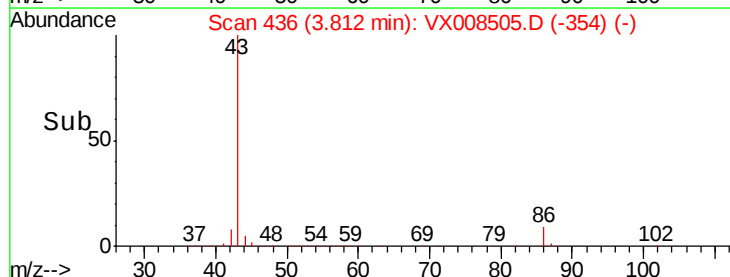
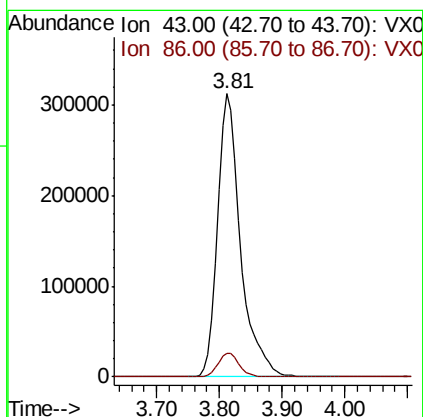
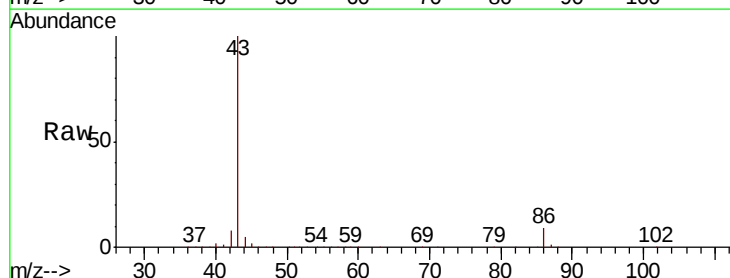
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

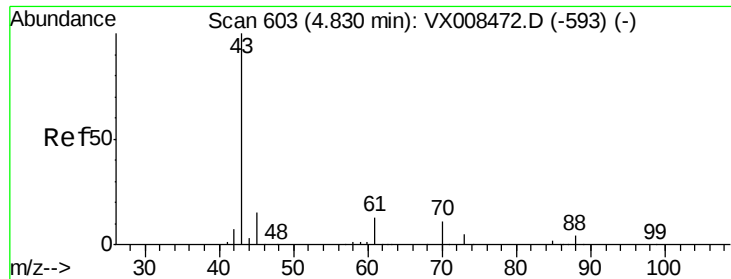
Tot Ion: 83 Resp: 61833
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 8.4 7.2 10.8



#42
Vinyl Acetate
Concen: 93.894 ug/l
RT: 3.81 min Scan# 436
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 43 Resp: 791034
Ion Ratio Lower Upper
43 100
86 7.8 8.2 12.2#





#43

Ethyl Acetate

Concen: 19.292 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

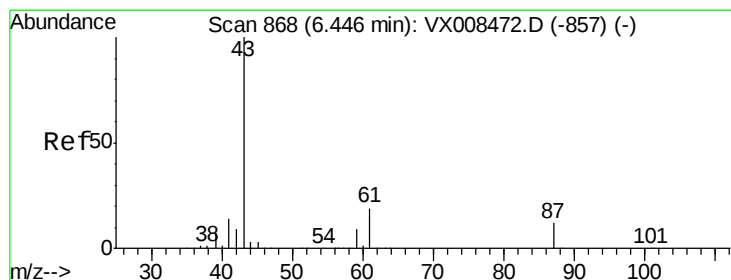
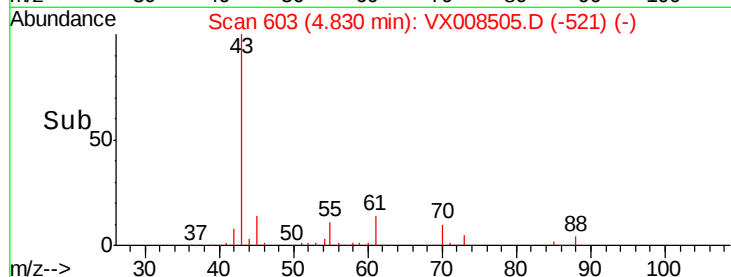
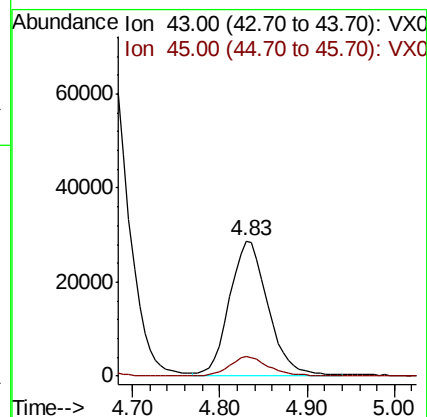
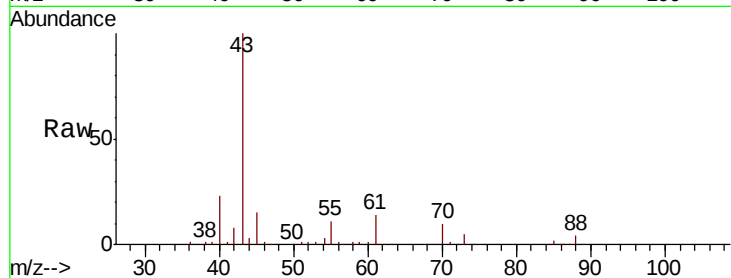
VSTDCCC020EC

Tot Ion: 43 Resp: 86294

Ion Ratio Lower Upper

43 100

45 15.1 6.9 10.3#



#44

Isopropyl Acetate

Concen: 18.486 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008505.D

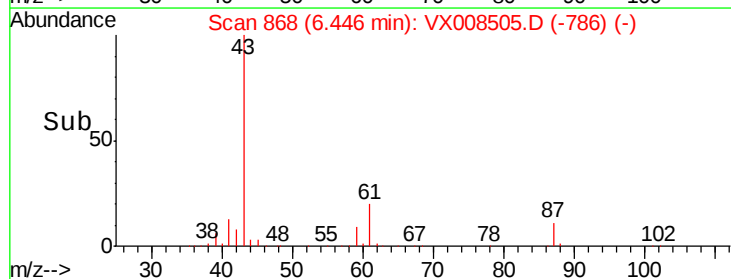
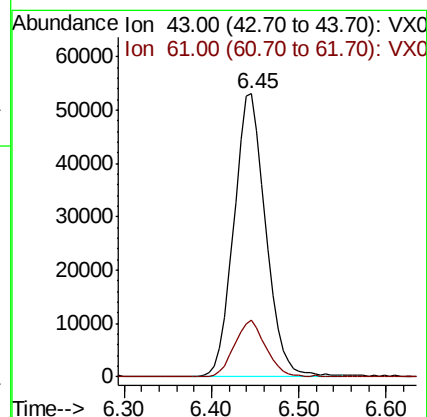
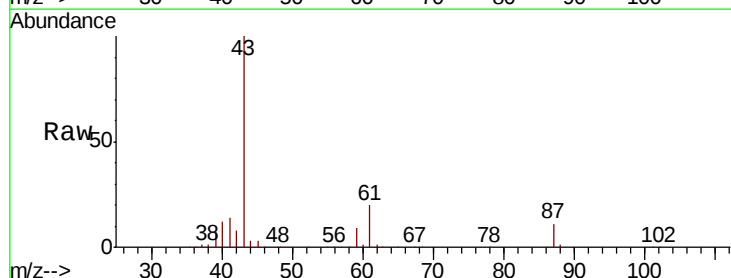
Acq: 27 Mar 2019 23:59

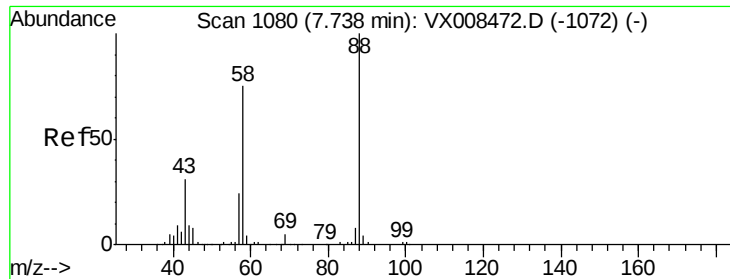
Tgt Ion: 43 Resp: 133709

Ion Ratio Lower Upper

43 100

61 19.7 16.1 24.1

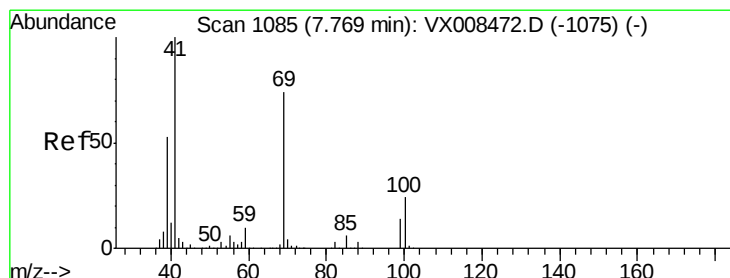
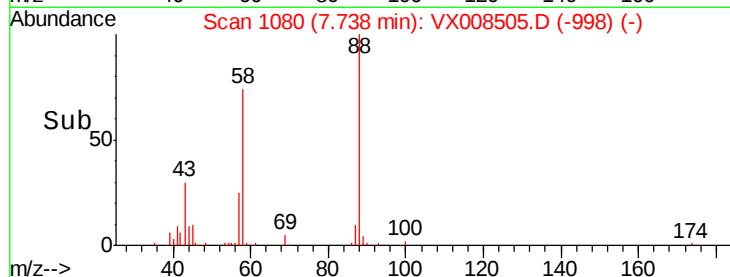
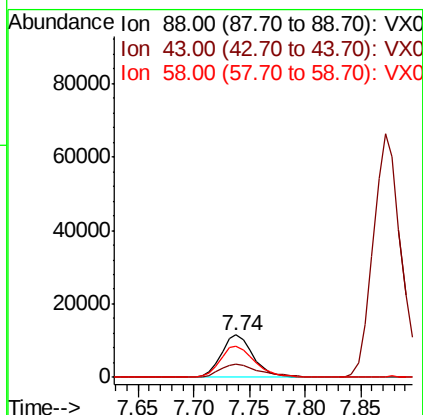
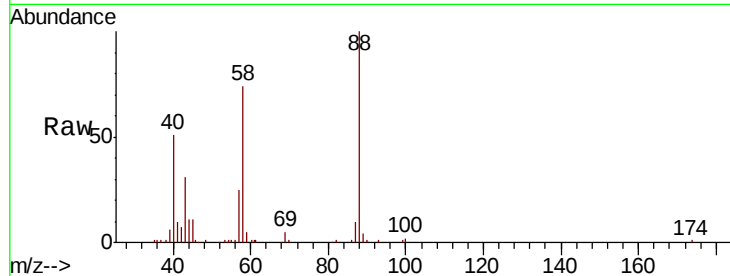




#45
 1,4-Dioxane
 Concen: 317.560 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

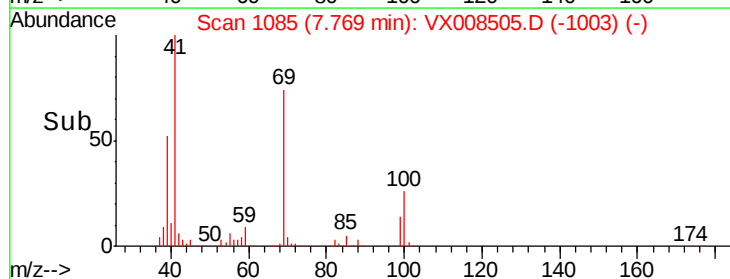
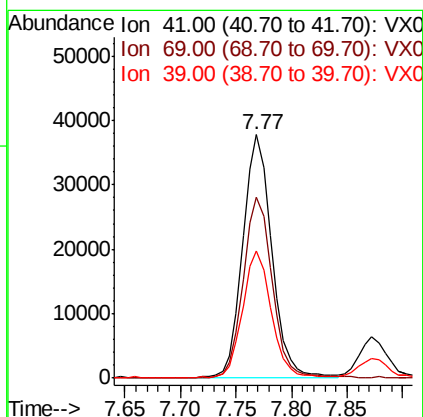
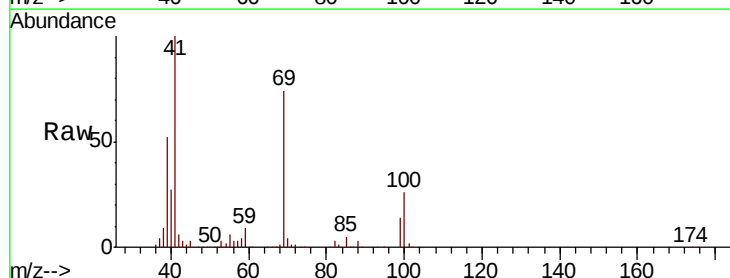
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

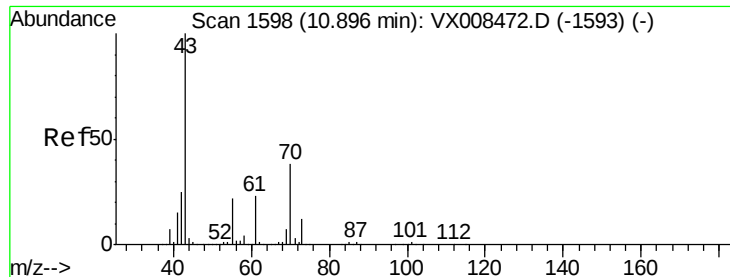
Tot Ion: 88 Resp: 22865
 Ion Ratio Lower Upper
 88 100
 43 36.6 23.6 35.4#
 58 79.6 51.6 77.4#



#46
 Methyl methacrylate
 Concen: 18.538 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 41 Resp: 68100
 Ion Ratio Lower Upper
 41 100
 69 74.4 44.2 132.6
 39 52.1 29.9 89.8





#47

n-amvl Acetate

Concen: 18.220 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

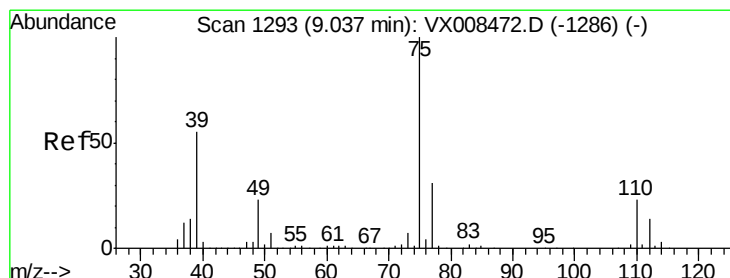
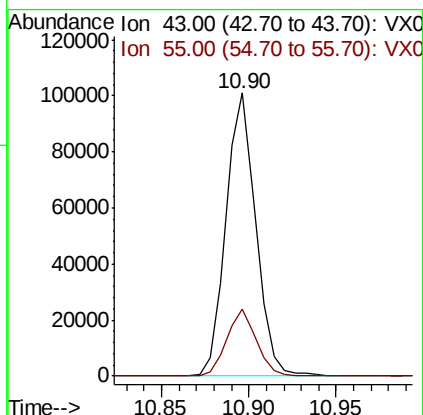
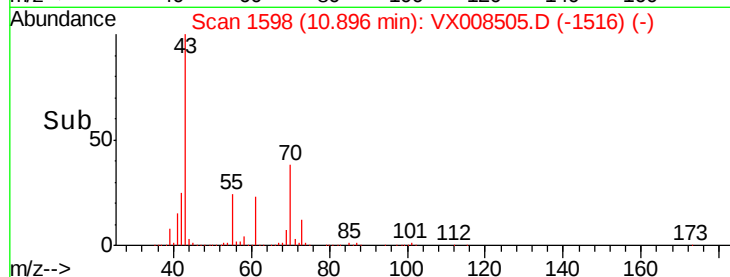
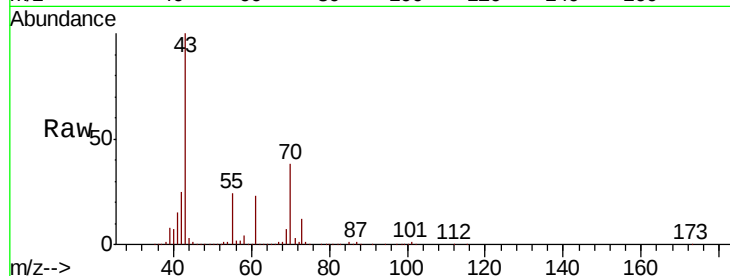
VSTDCCC020EC

Tot Ion: 43 Resp: 119704

Ion Ratio Lower Upper

43 100

55 23.7 20.8 31.2



#48

t-1,3-Dichloropropene

Concen: 16.845 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008505.D

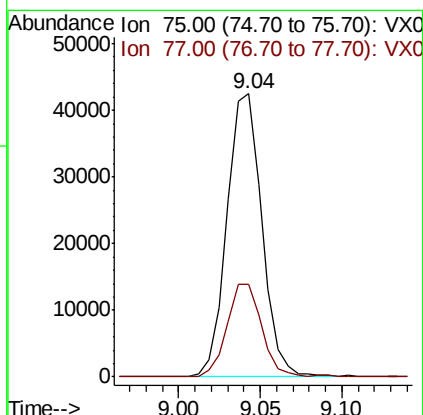
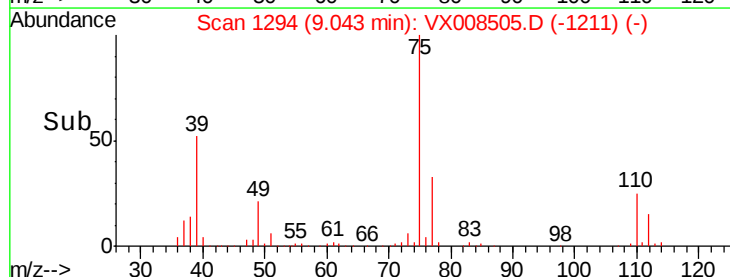
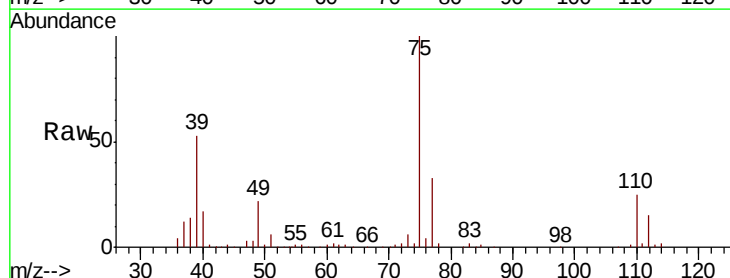
Acq: 27 Mar 2019 23:59

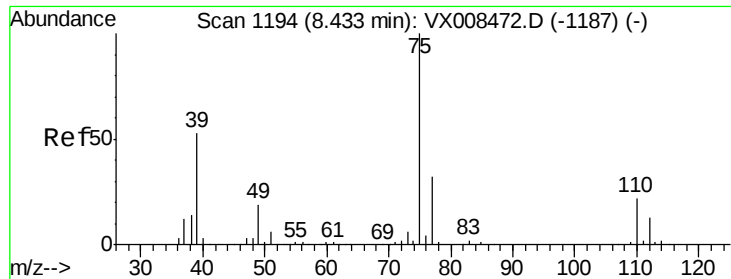
Tgt Ion: 75 Resp: 63504

Ion Ratio Lower Upper

75 100

77 32.7 24.5 36.7



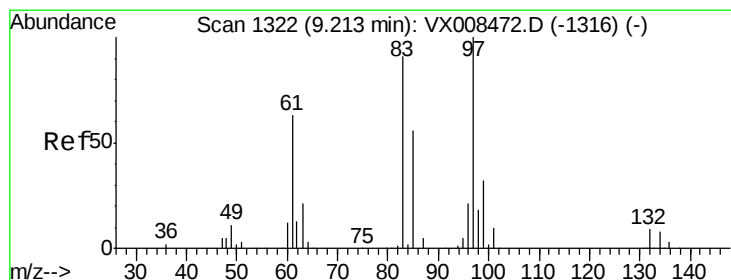
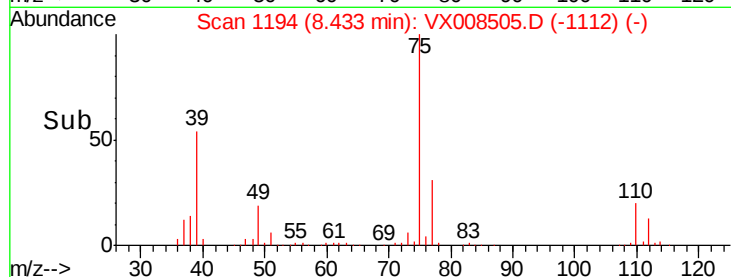
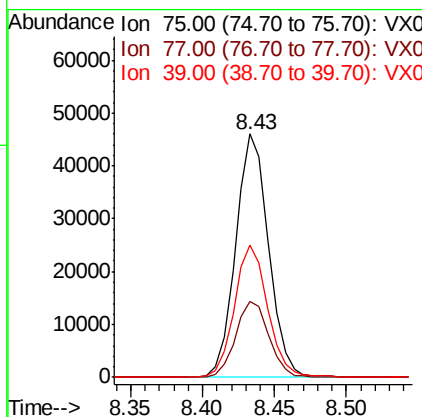
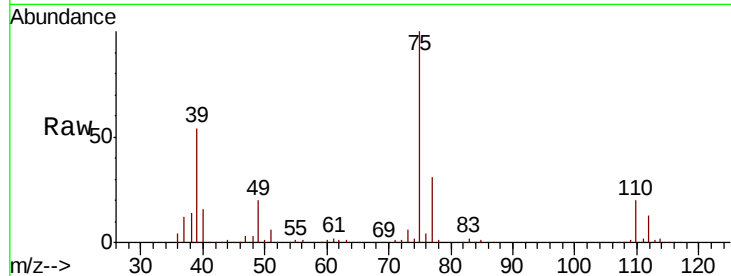


#49

cis-1,3-Dichloropropene
 Concen: 17.378 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

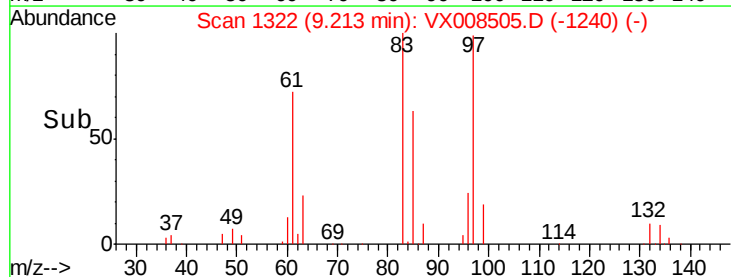
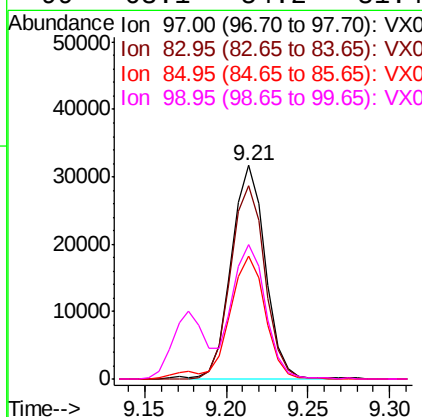
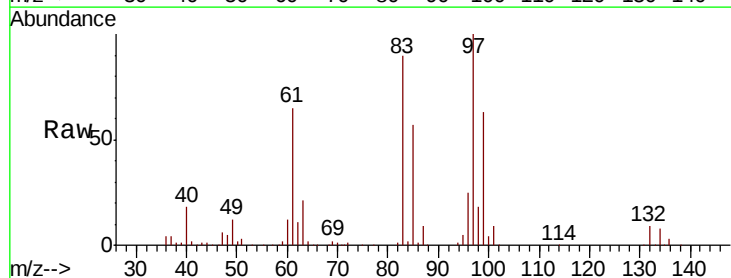
Tot Ion: 75 Resp: 73277
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.4
 39 53.8 38.5 57.7

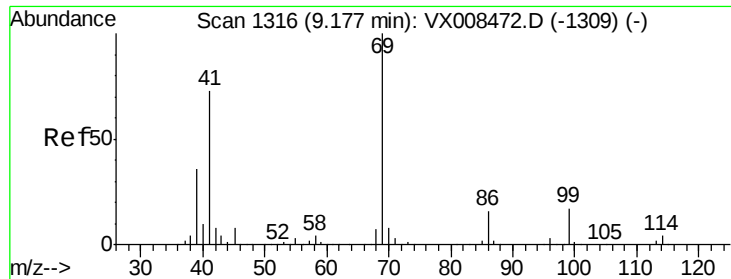


#50

1,1,2-Trichloroethane
 Concen: 18.271 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 97 Resp: 46051
 Ion Ratio Lower Upper
 97 100
 83 90.7 72.0 108.0
 85 57.3 45.0 67.6
 99 63.1 54.2 81.4





#51

Ethyl methacrylate

Concen: 18.221 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

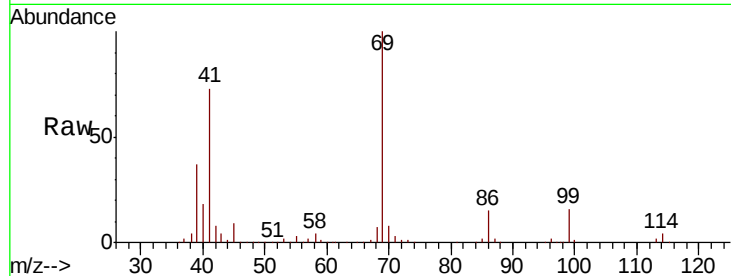
Tot Ion: 69 Resp: 85463

Ion Ratio Lower Upper

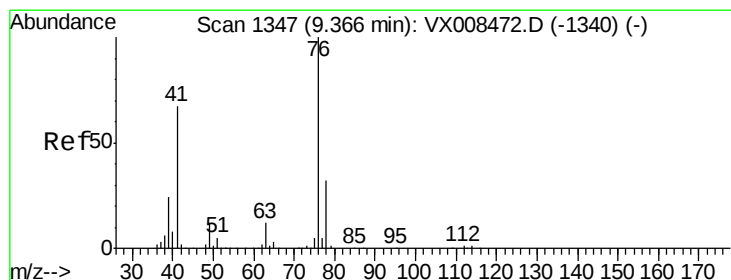
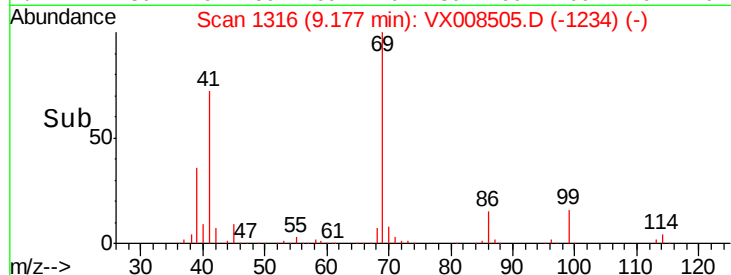
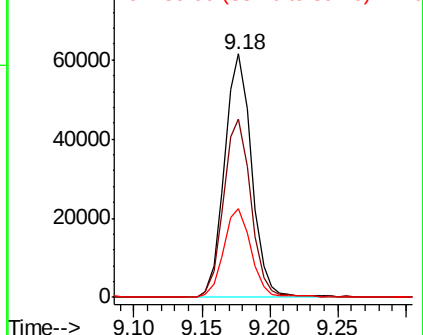
69 100

41 73.3 32.1 96.5

39 36.5 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: 18.871 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX008505.D

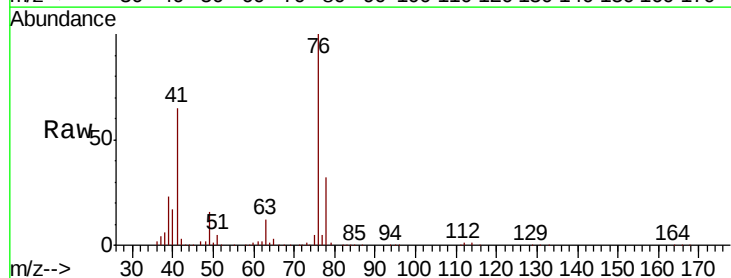
Acq: 27 Mar 2019 23:59

Tgt Ion: 76 Resp: 84619

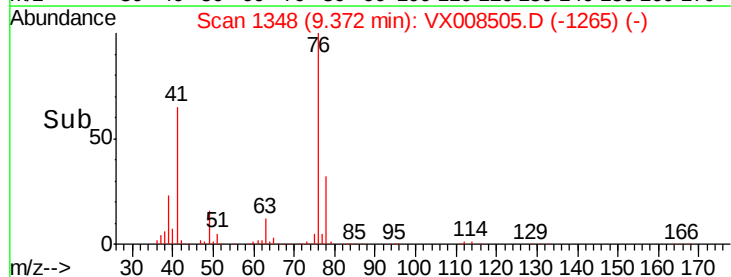
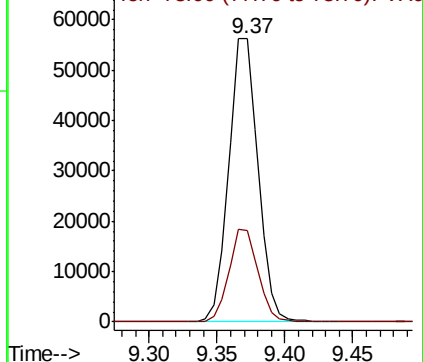
Ion Ratio Lower Upper

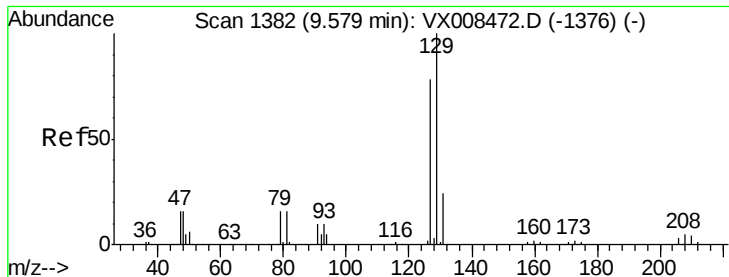
76 100

78 32.4 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: 17.666 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

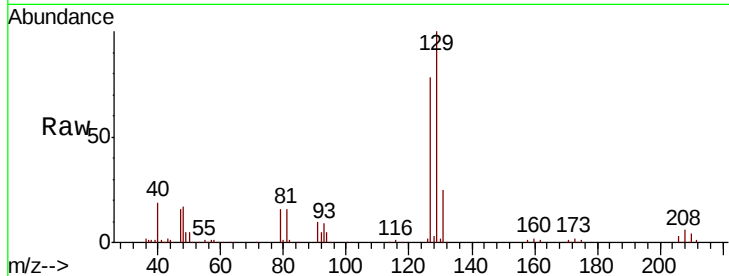
VSTDCCC020EC

Tot Ion:129 Resp: 43816

Ion Ratio Lower Upper

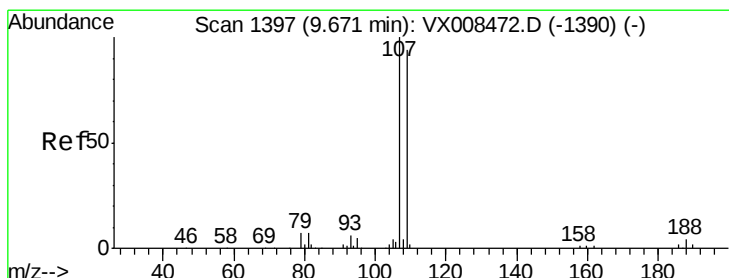
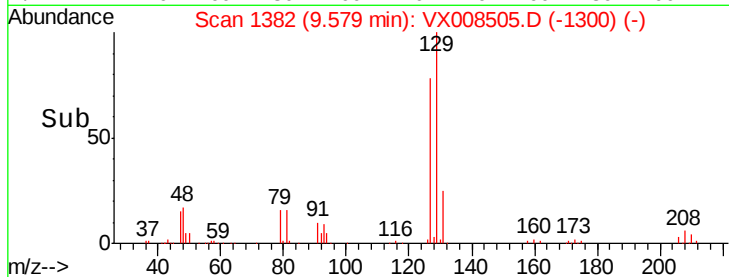
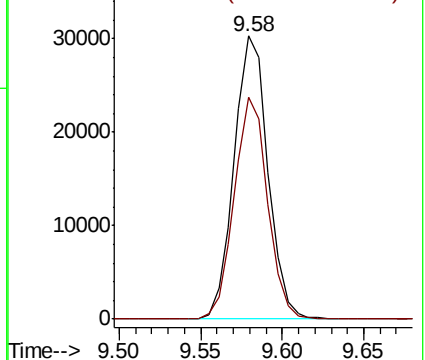
129 100

127 77.1 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.641 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008505.D

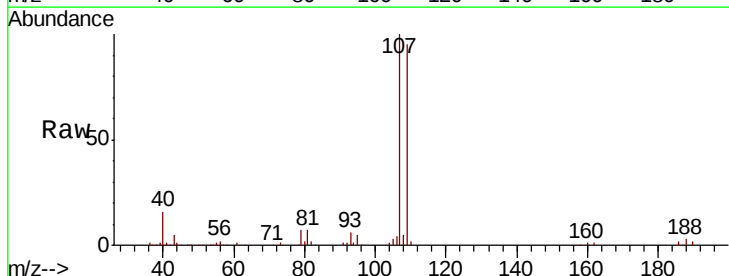
Acq: 27 Mar 2019 23:59

Tgt Ion:107 Resp: 48432

Ion Ratio Lower Upper

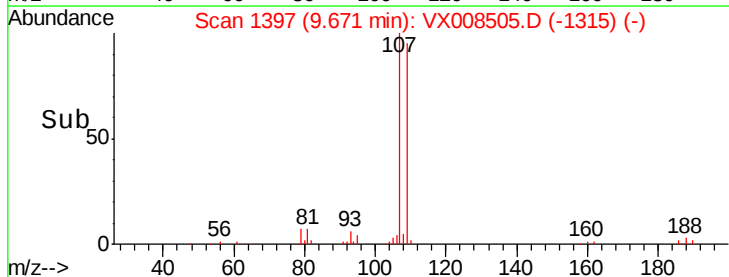
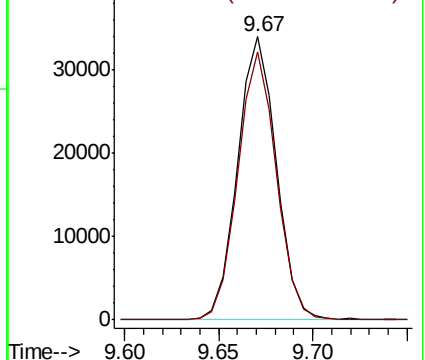
107 100

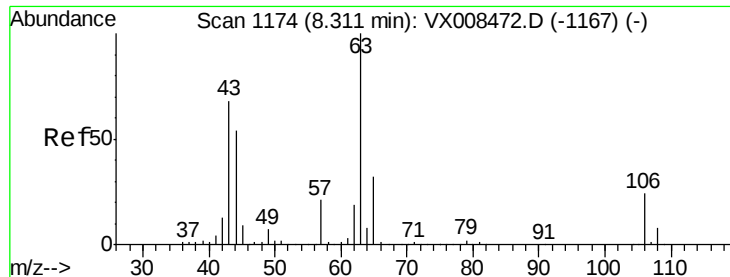
109 94.3 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

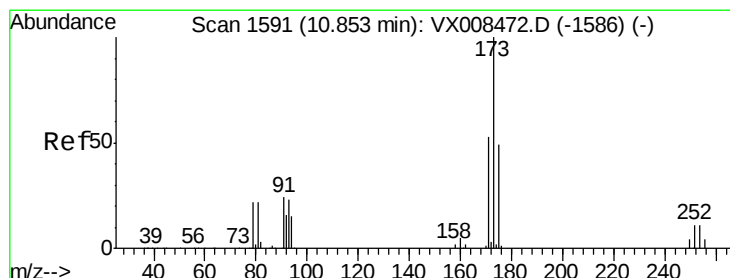
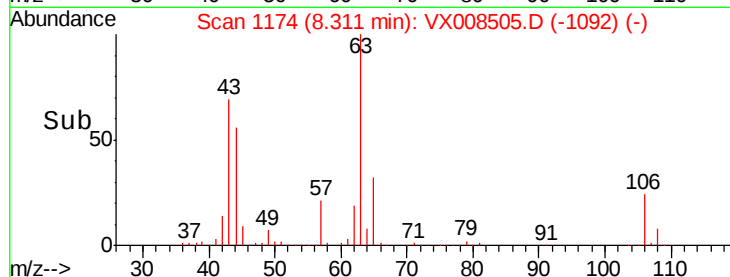
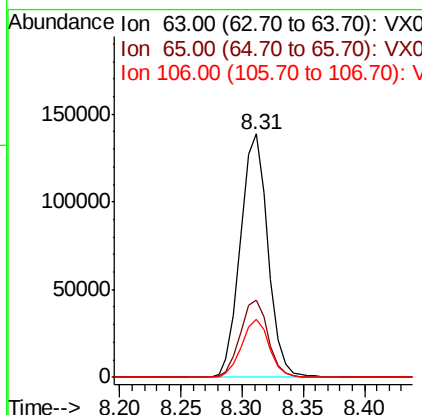
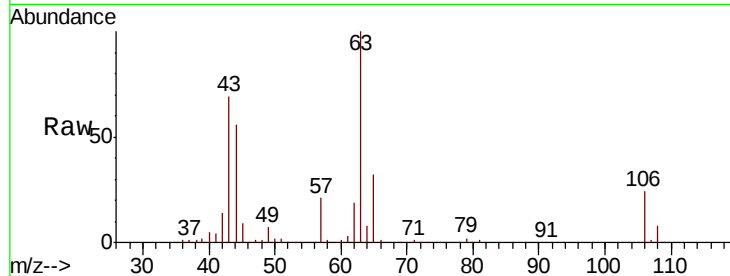




#55
2-Chloroethyl vinyl ether
Concen: 91.486 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

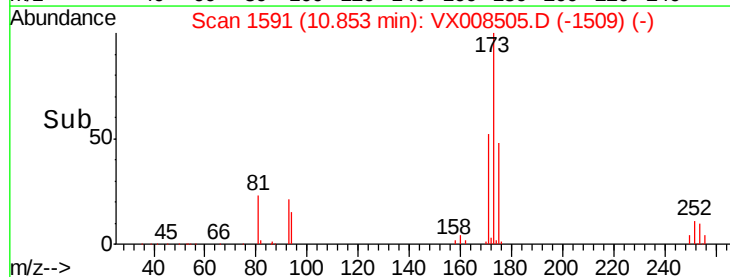
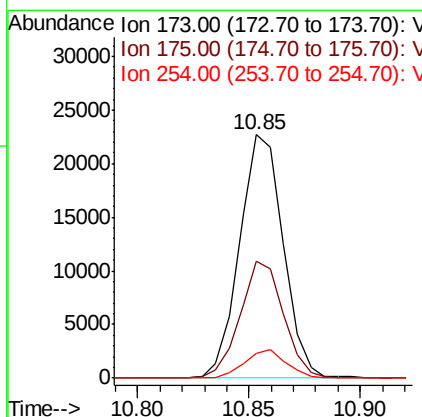
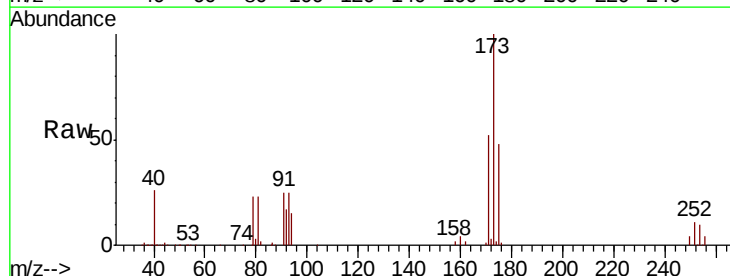
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

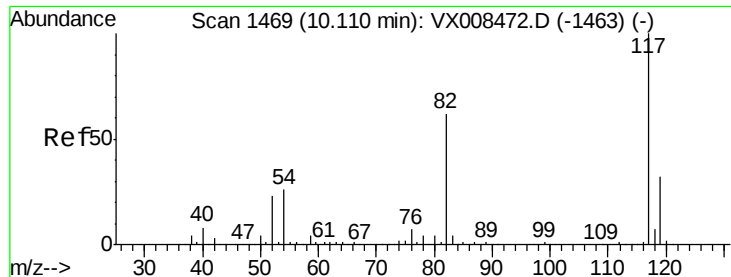
Tot Ion: 63 Resp: 216474
Ion Ratio Lower Upper
63 100
65 32.2 25.7 38.5
106 23.9 23.7 35.5



#56
Bromoform
Concen: 17.188 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 173 Resp: 31069
Ion Ratio Lower Upper
173 100
175 47.5 38.5 57.7
254 11.1 7.4 11.2

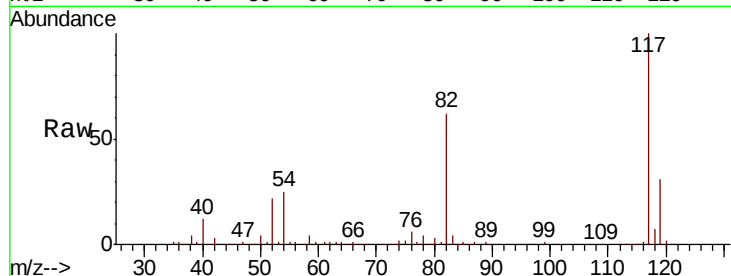




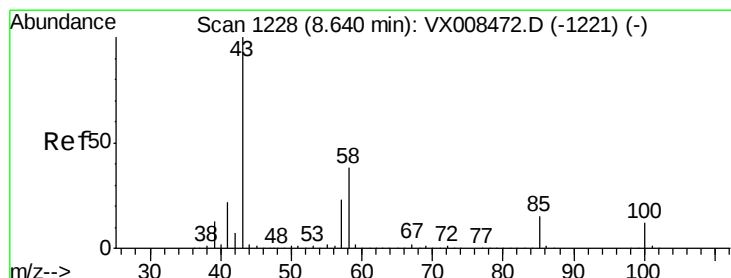
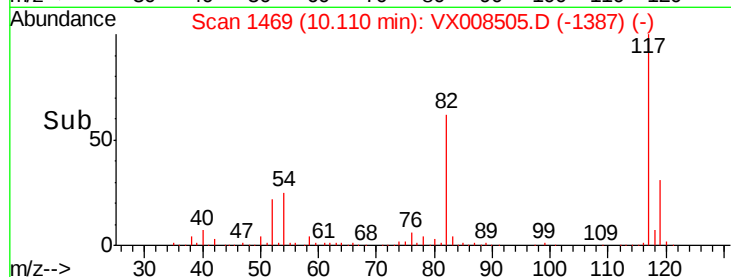
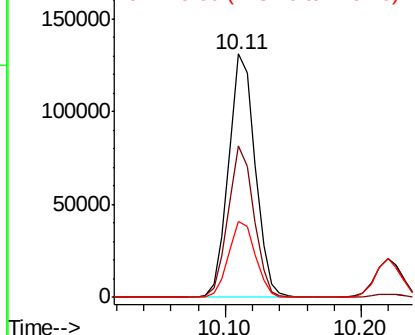
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 178522
Ion Ratio Lower Upper
117 100
82 60.5 40.4 60.6
119 31.7 25.8 38.6

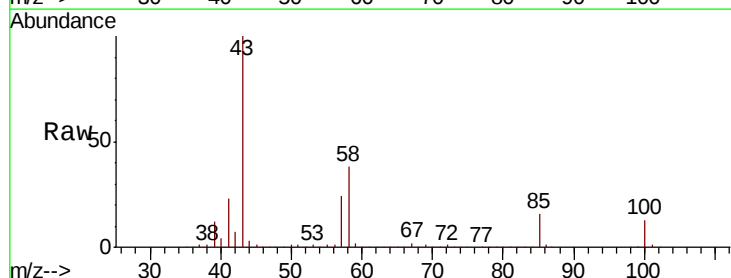


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

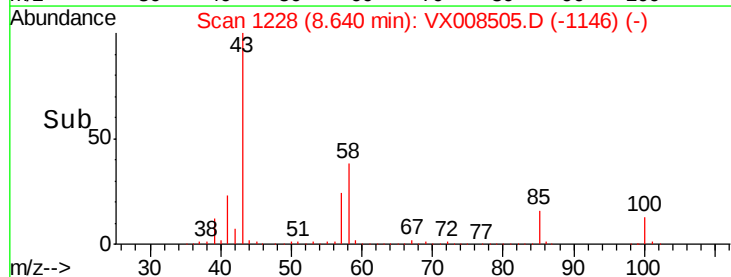
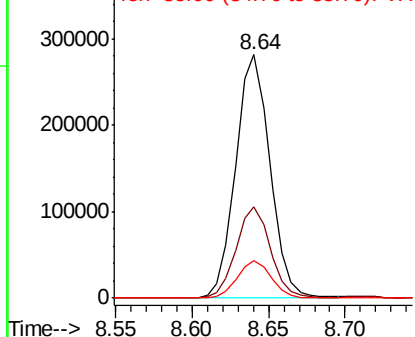


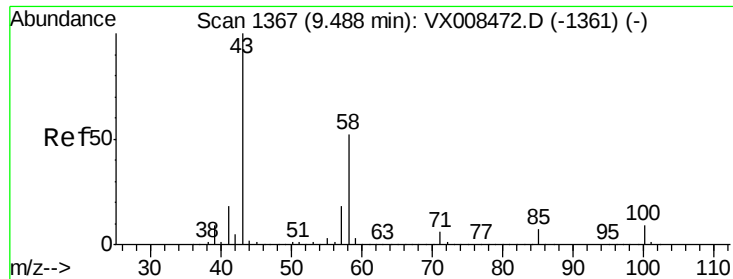
#58
4-Methyl-2-Pentanone
Concen: 93.131 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 43 Resp: 438619
Ion Ratio Lower Upper
43 100
58 37.3 31.4 47.0
85 15.3 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

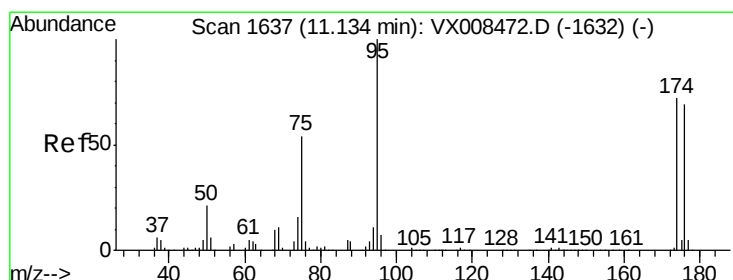
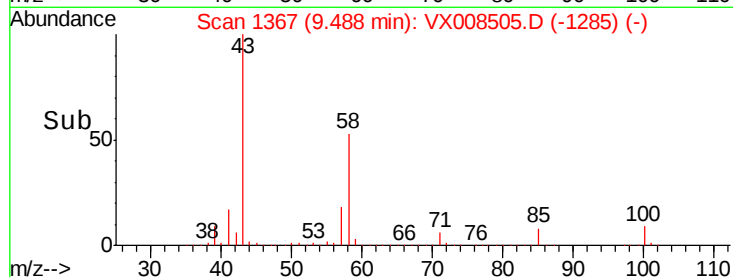
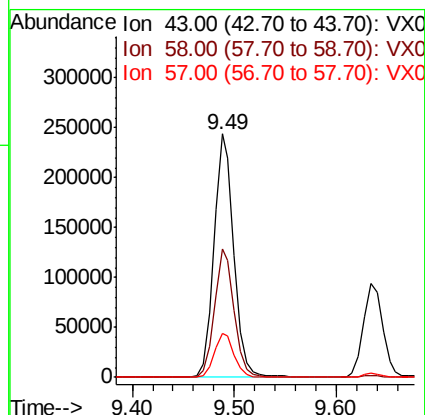
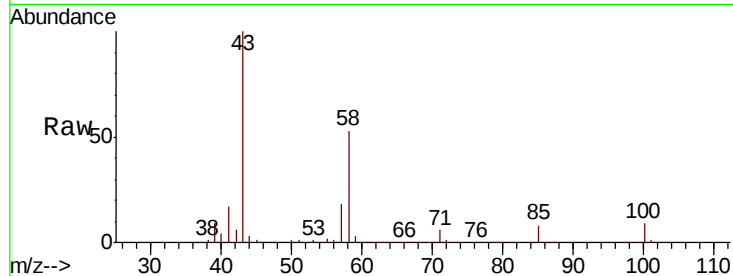




#59
2-Hexanone
Concen: 89.685 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

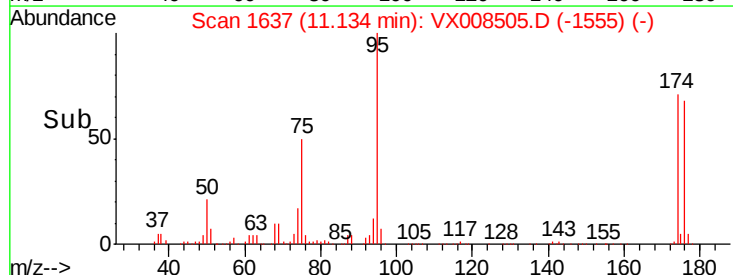
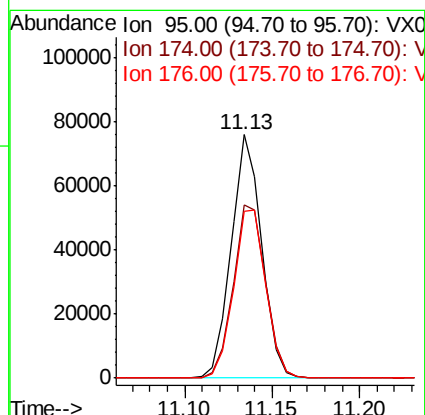
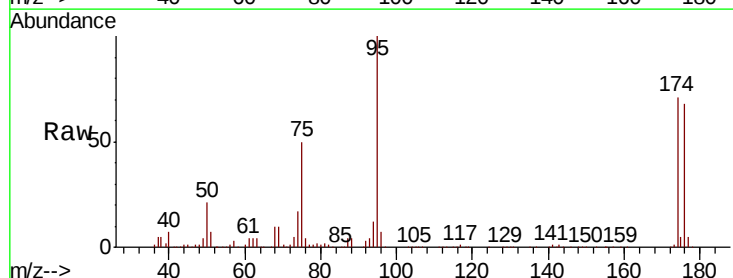
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

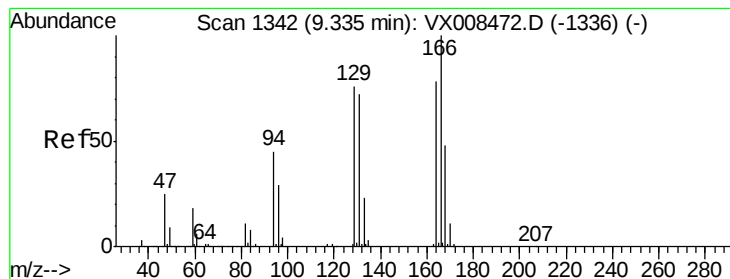
Tot Ion: 43 Resp: 333707
Ion Ratio Lower Upper
43 100
58 52.3 43.9 65.9
57 18.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 29.375 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 95 Resp: 91370
Ion Ratio Lower Upper
95 100
174 76.1 74.9 112.3
176 73.7 70.7 106.1





#61

Tetrachloroethene

Concen: 18.782 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 36676

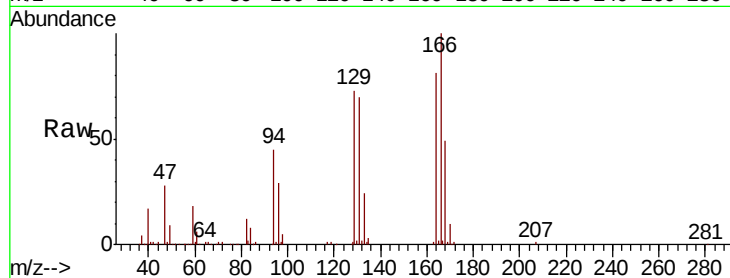
Ion Ratio Lower Upper

164 100

166 123.8 103.9 155.9

129 90.5 74.7 112.1

131 86.5 71.7 107.5

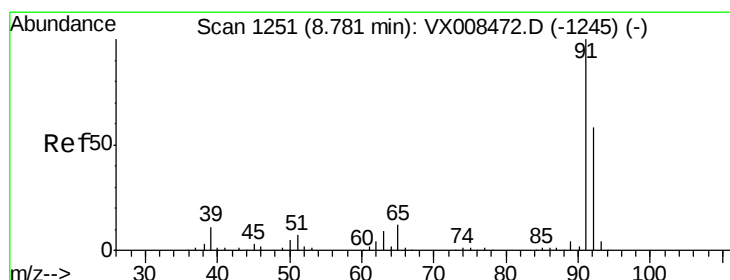
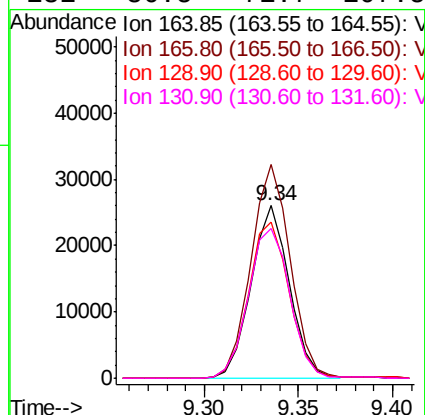
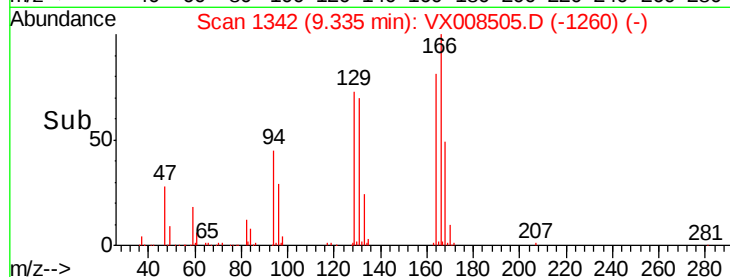


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.646 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX008505.D

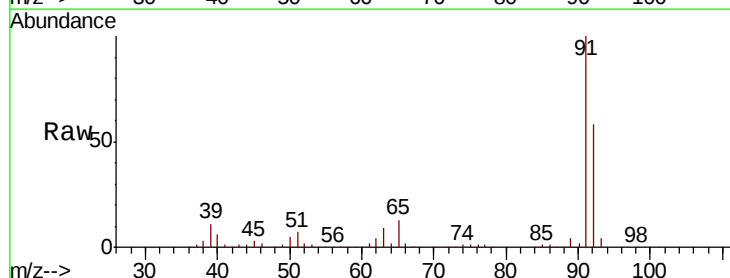
Acq: 27 Mar 2019 23:59

Tgt Ion: 91 Resp: 201538

Ion Ratio Lower Upper

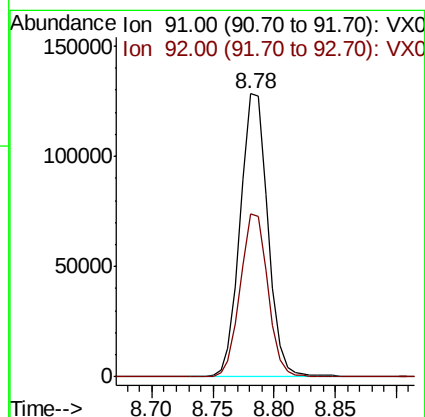
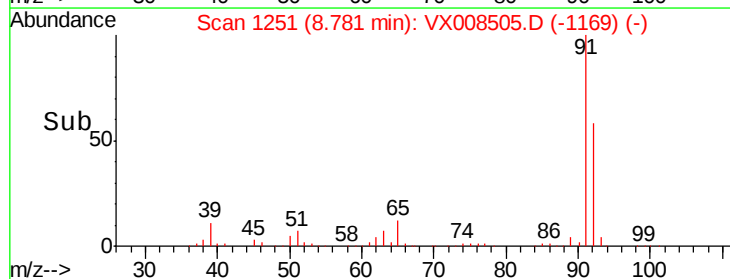
91 100

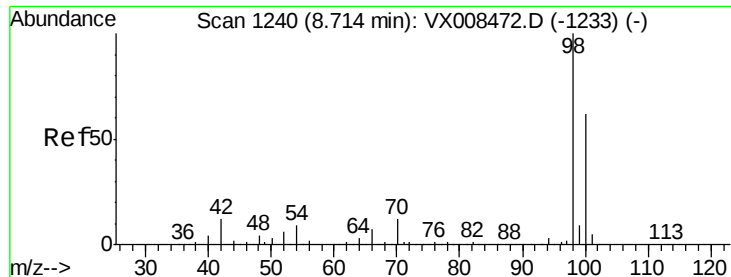
92 57.6 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.199 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

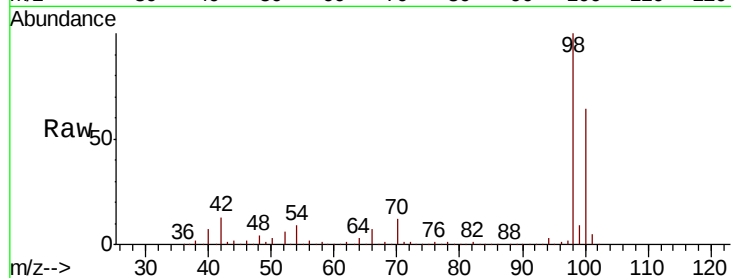
VSTDCCC020EC

Tot Ion: 98 Resp: 255908

Ion Ratio Lower Upper

98 100

100 63.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX008472.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX008505.D (-1158) (-)

8.71

150000

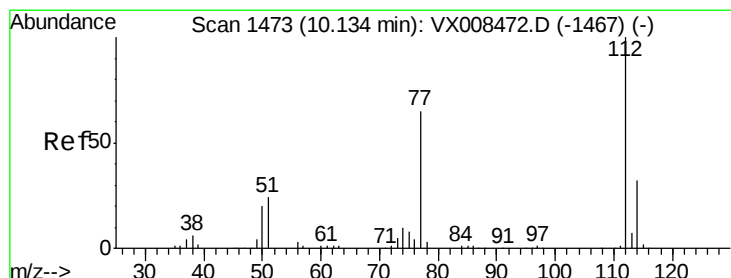
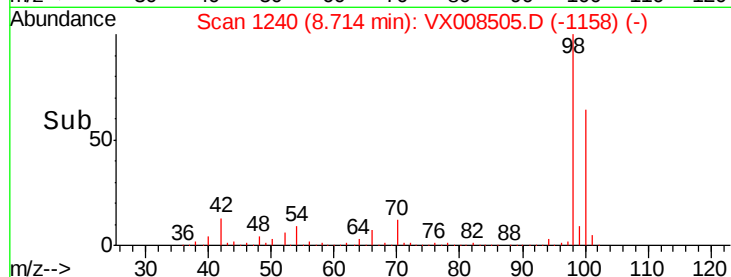
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 18.599 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008505.D

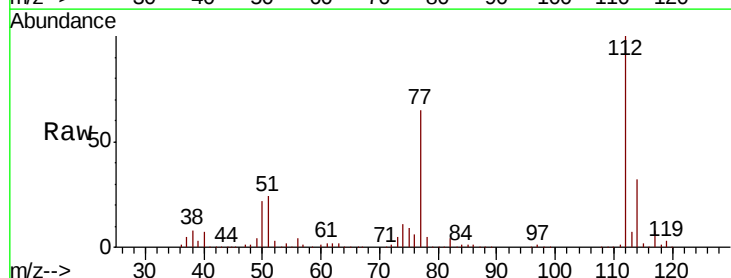
Acq: 27 Mar 2019 23:59

Tgt Ion: 112 Resp: 117793

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): VX008472.D (-1467) (-)

Ion 114.00 (113.70 to 114.70): VX008505.D (-1391) (-)

100000

80000

60000

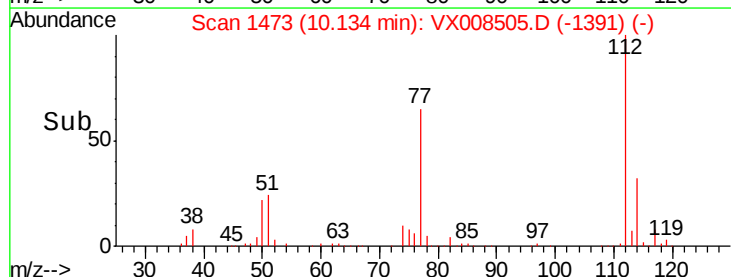
40000

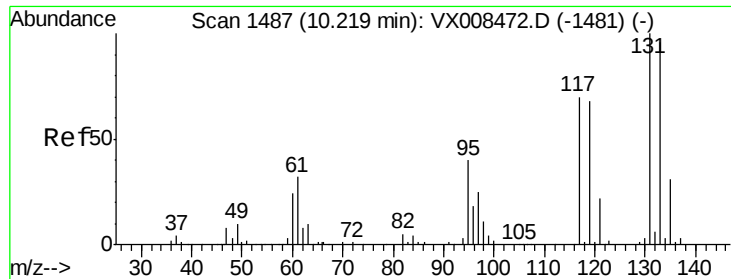
20000

0

10.10 10.15 10.20

Time-->

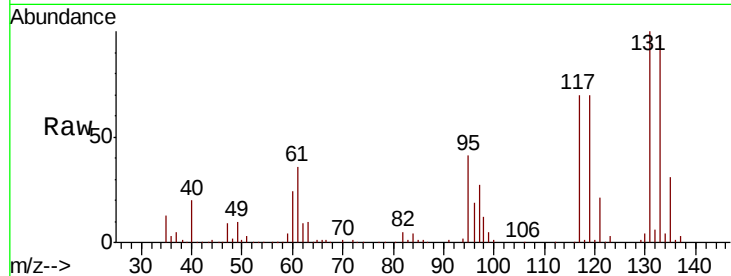




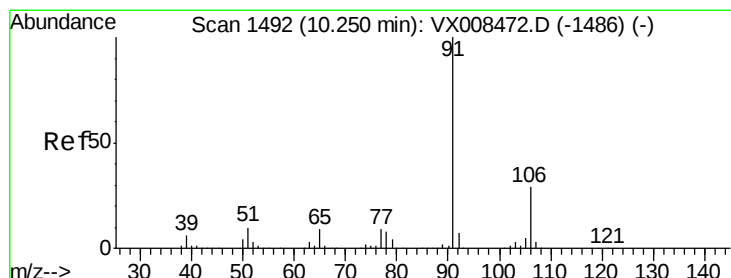
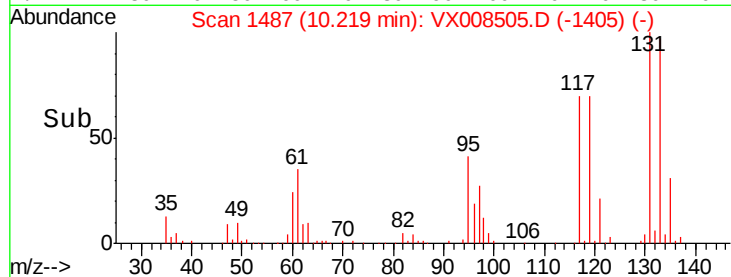
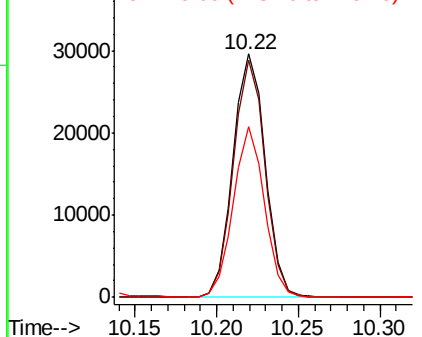
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.278 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:131 Resp: 40814
 Ion Ratio Lower Upper
 131 100
 133 95.6 0.0 191.6
 119 67.6 0.0 127.4

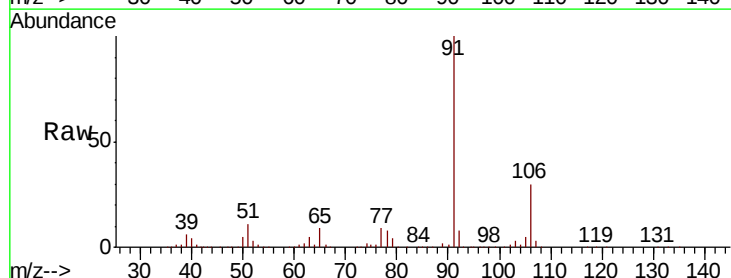


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

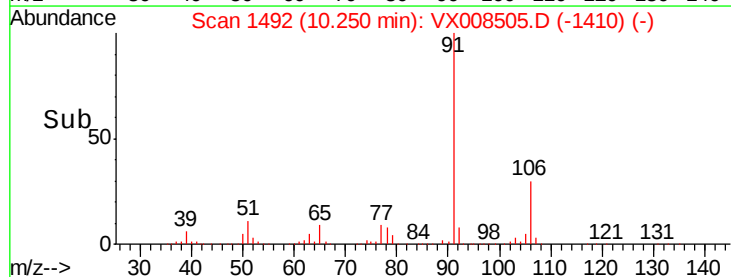
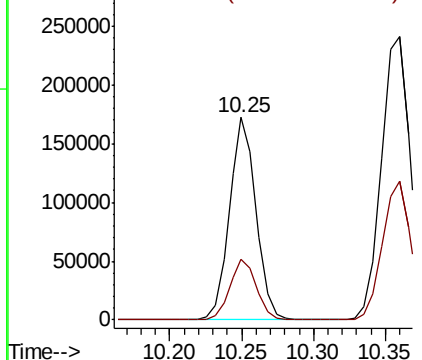


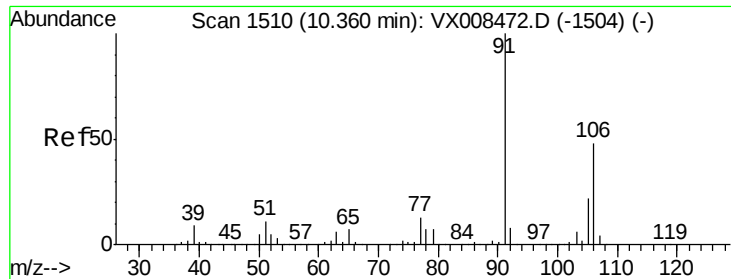
#66
 Ethyl Benzene
 Concen: 18.533 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 91 Resp: 222343
 Ion Ratio Lower Upper
 91 100
 106 29.8 26.0 39.0



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





#67

m/p-Xvlenes

Concen: 36.755 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

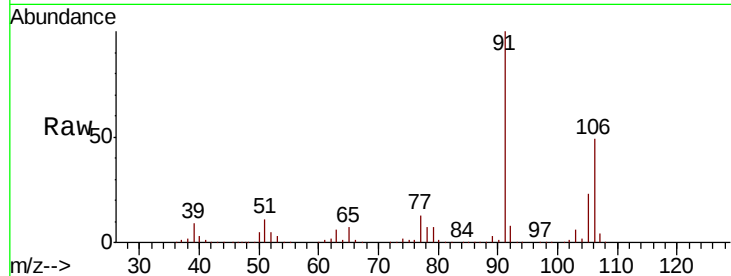
VSTDCCC020EC

Tot Ion:106 Resp: 160834

Ion Ratio Lower Upper

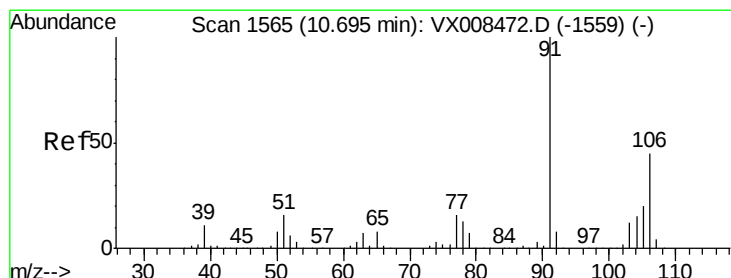
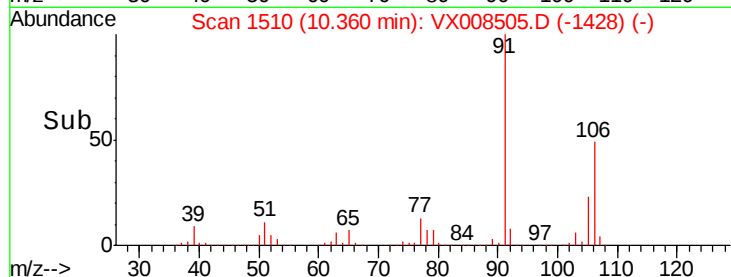
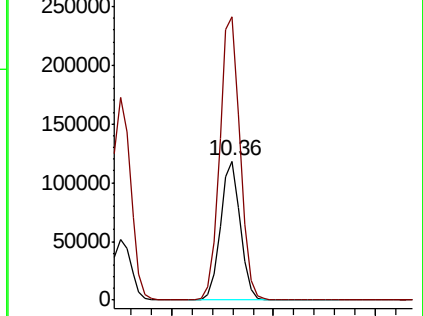
106 100

91 209.2 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 18.284 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX008505.D

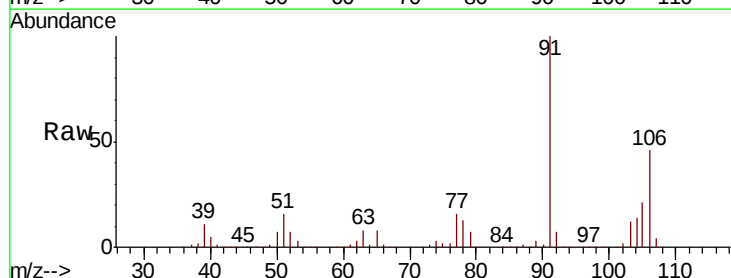
Acq: 27 Mar 2019 23:59

Tgt Ion:106 Resp: 78294

Ion Ratio Lower Upper

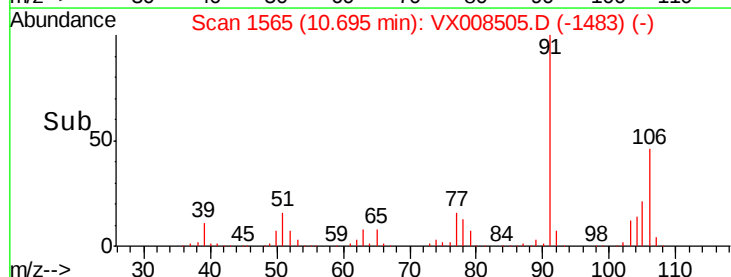
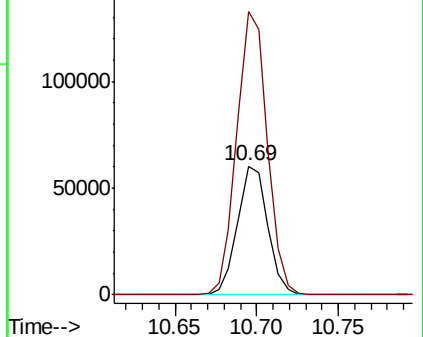
106 100

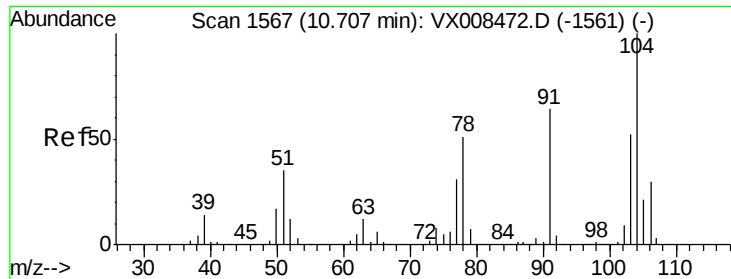
91 220.7 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

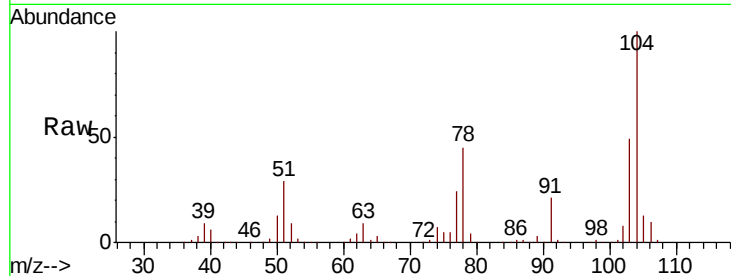




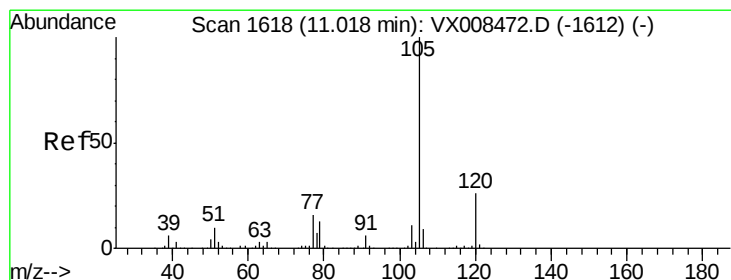
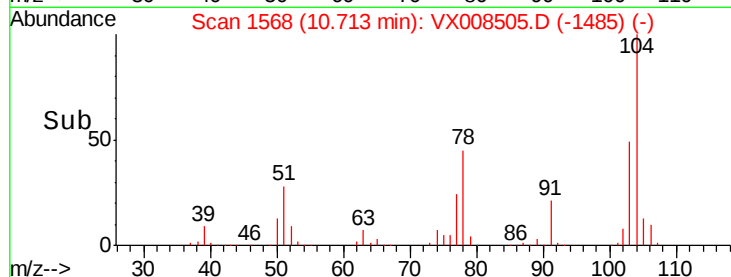
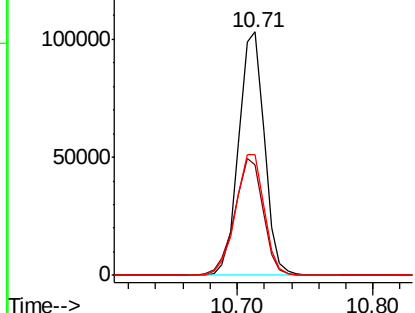
#69
Stvrene
Concen: 18.263 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 136078
Ion Ratio Lower Upper
104 100
78 52.8 38.2 57.2
103 55.0 45.0 67.4

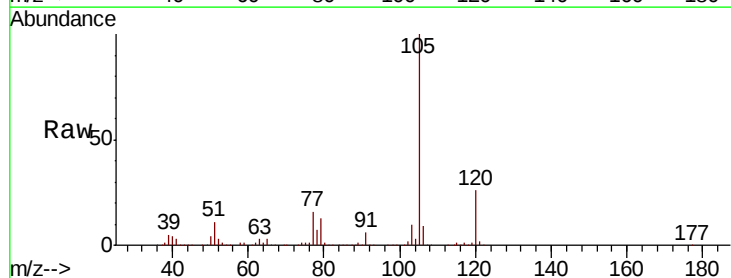


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

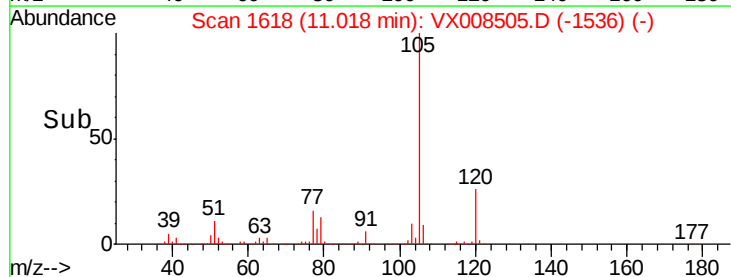
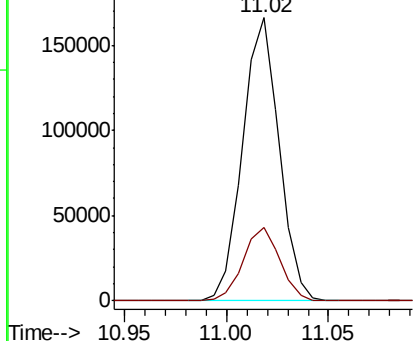


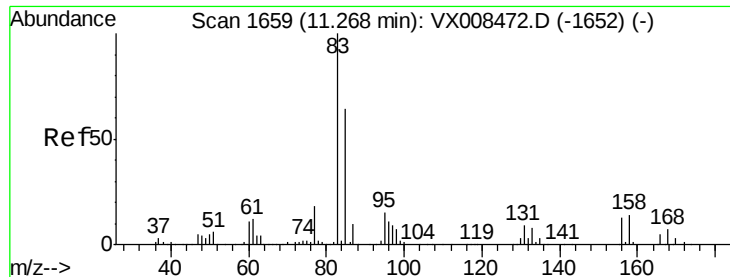
#70
Isopropylbenzene
Concen: 18.301 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion:105 Resp: 206724
Ion Ratio Lower Upper
105 100
120 26.2 19.8 36.8



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

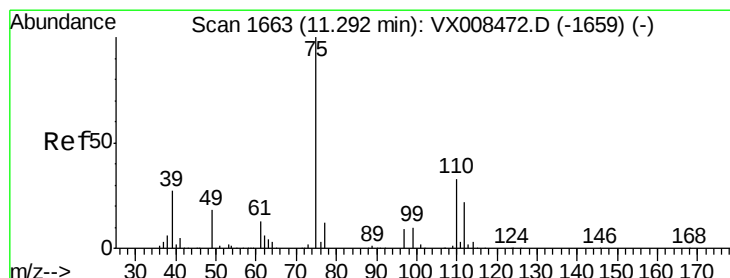
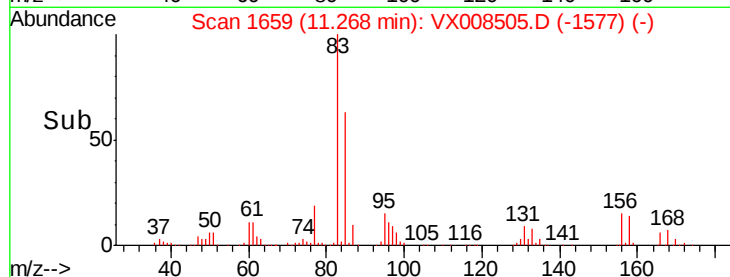
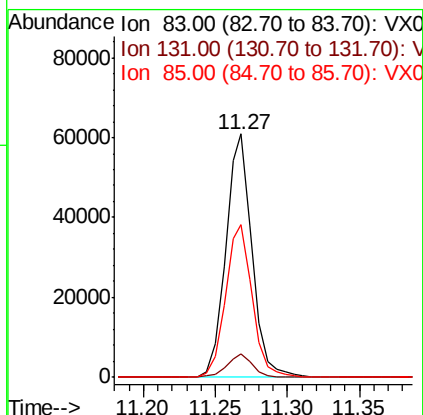
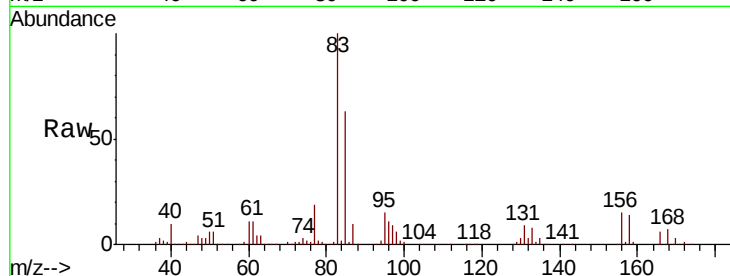




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.492 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

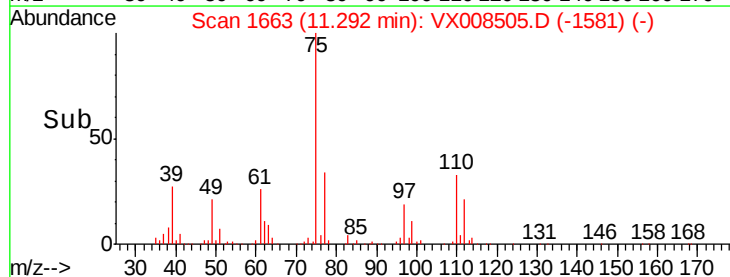
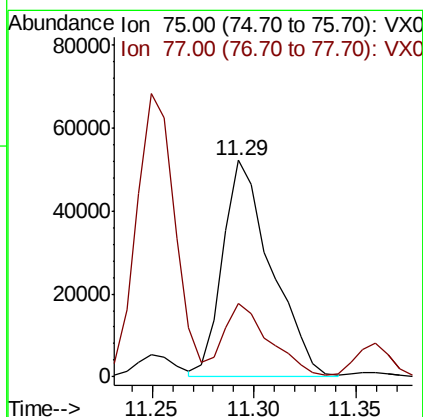
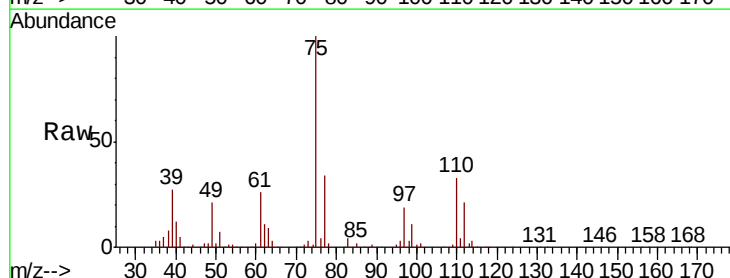
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

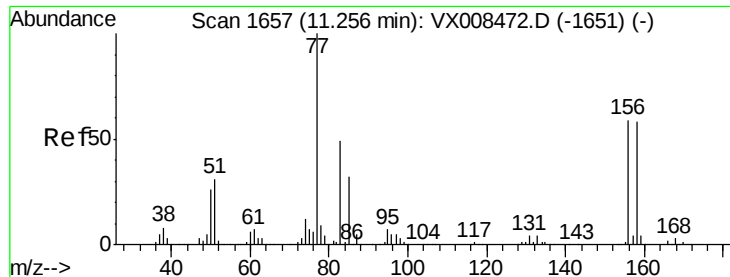
Tot Ion: 83 Resp: 78031
 Ion Ratio Lower Upper
 83 100
 131 9.2 5.4 16.2
 85 64.0 32.8 98.4



#72
 1,2,3-Trichloropropane
 Concen: 24.152 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion: 75 Resp: 86147
 Ion Ratio Lower Upper
 75 100
 77 32.4 0.0 76.4





#73

Bromobenzene

Concen: 18.297 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

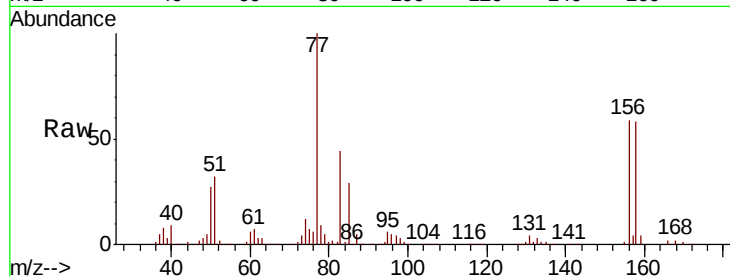
Tot Ion:156 Resp: 49171

Ion Ratio Lower Upper

156 100

77 181.2 0.0 271.4

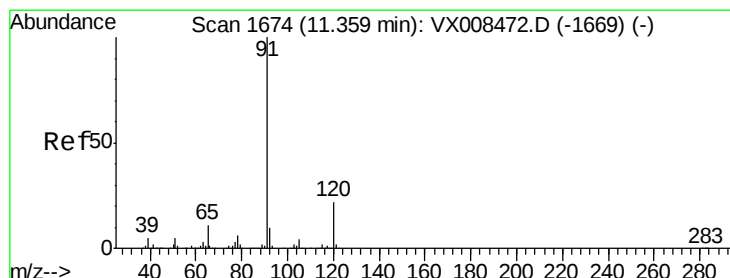
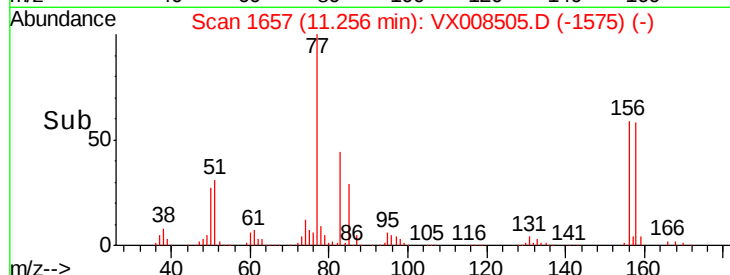
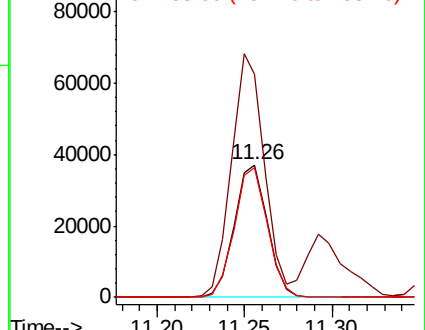
158 97.2 0.0 194.0



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: 18.239 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008505.D

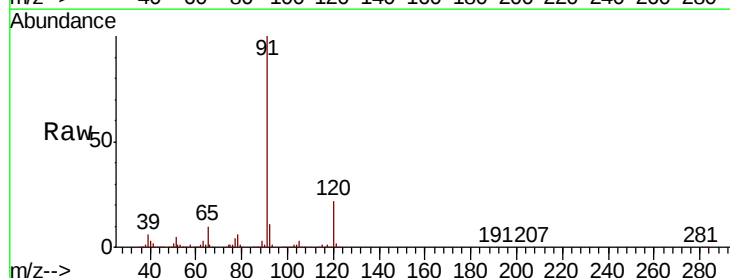
Acq: 27 Mar 2019 23:59

Tgt Ion: 91 Resp: 245429

Ion Ratio Lower Upper

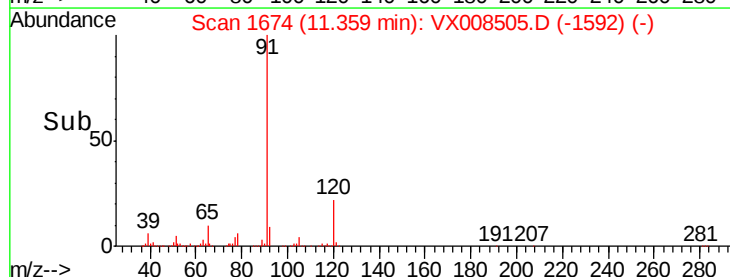
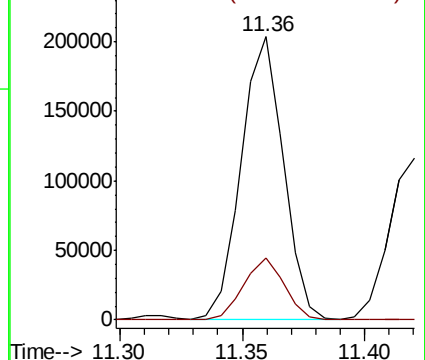
91 100

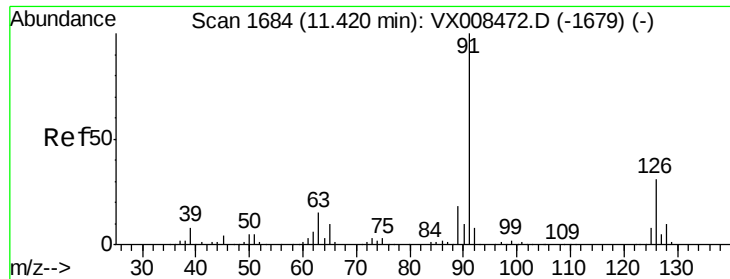
120 21.3 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.369 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

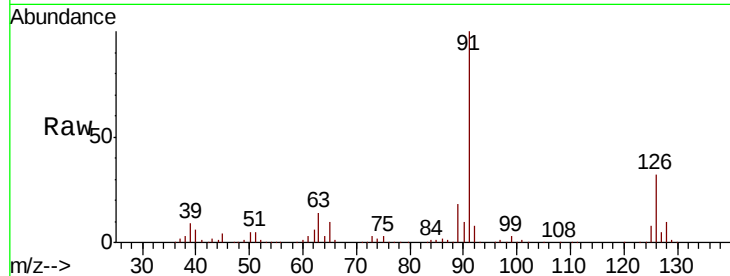
VSTDCCC020EC

Tot Ion: 91 Resp: 147057

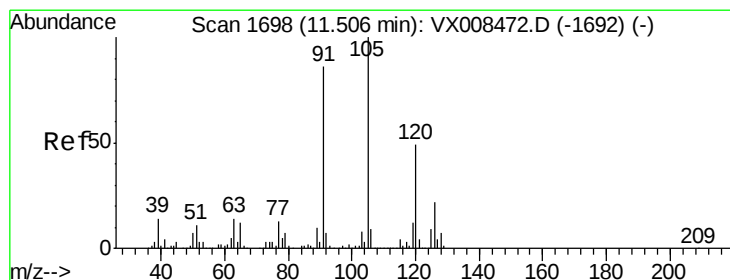
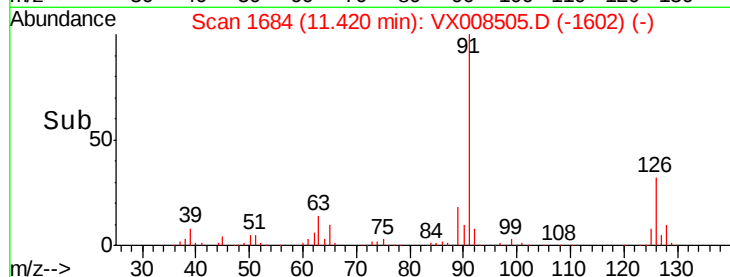
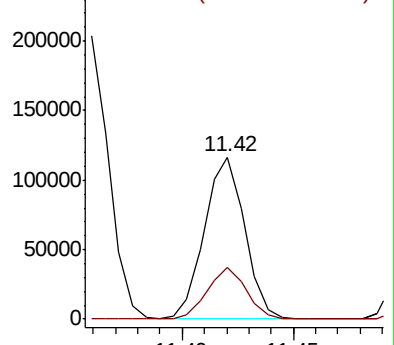
Ion Ratio Lower Upper

91 100

126 31.1 0.0 75.2



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



#76

1,3,5-Trimethylbenzene

Concen: 18.101 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008505.D

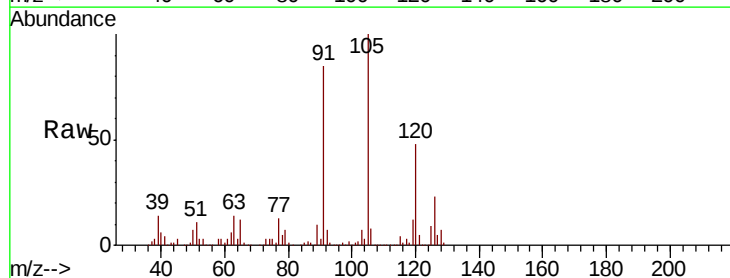
Acq: 27 Mar 2019 23:59

Tgt Ion:105 Resp: 174806

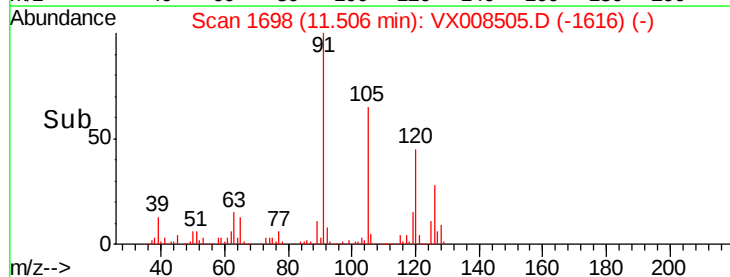
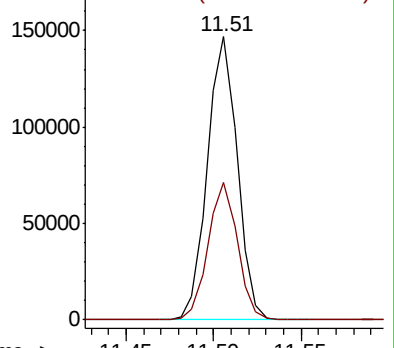
Ion Ratio Lower Upper

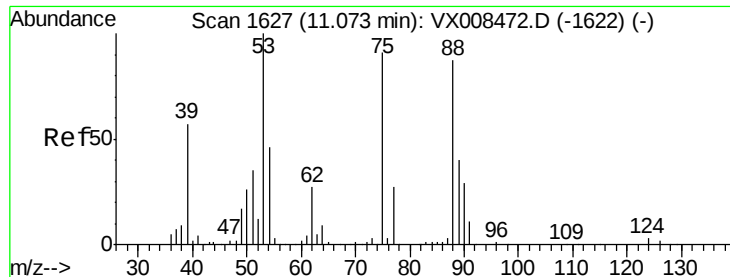
105 100

120 47.6 0.0 101.0



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





#77

t-1,4-Dichloro-2-butene

Concen: 15.058 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

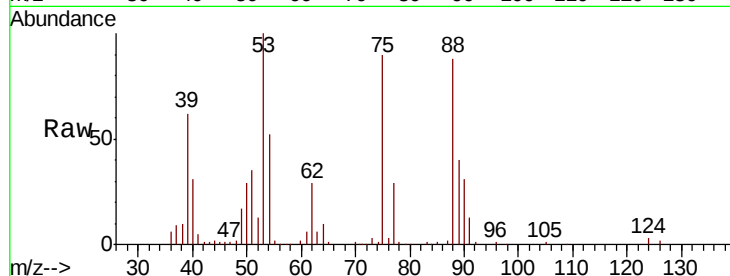
Tot Ion: 75 Resp: 20602

Ion Ratio Lower Upper

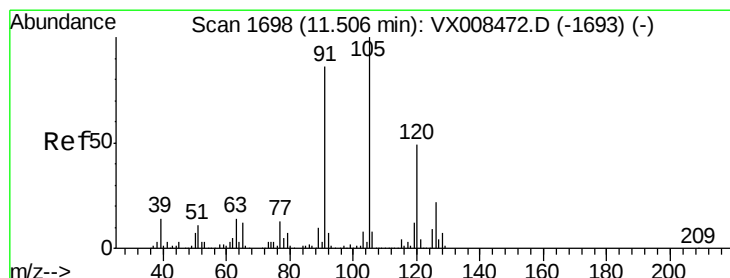
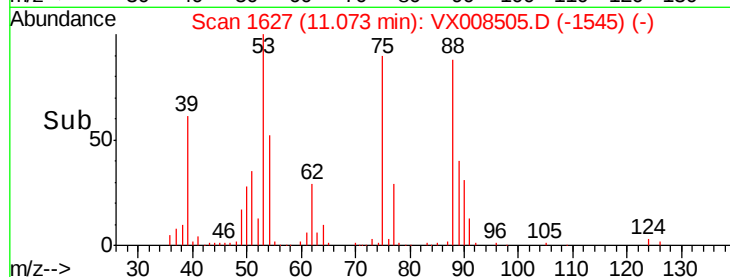
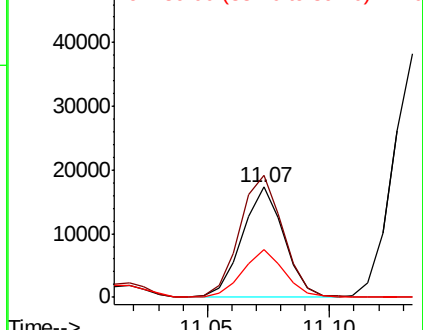
75 100

53 110.5 55.5 166.7

89 43.8 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: 17.875 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX008505.D

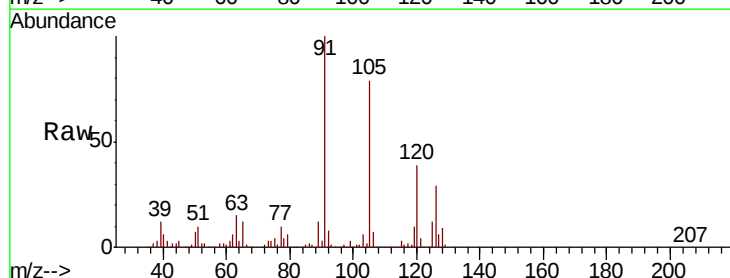
Acq: 27 Mar 2019 23:59

Tgt Ion: 91 Resp: 164696

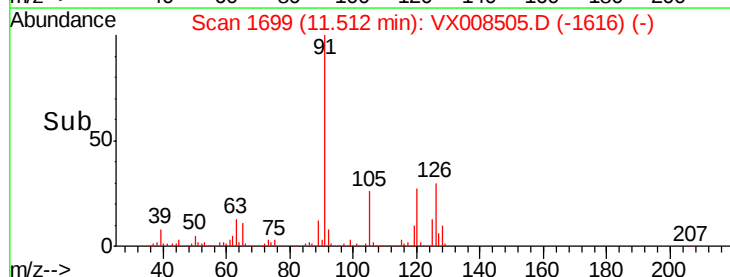
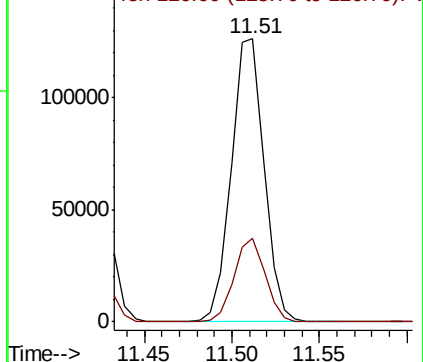
Ion Ratio Lower Upper

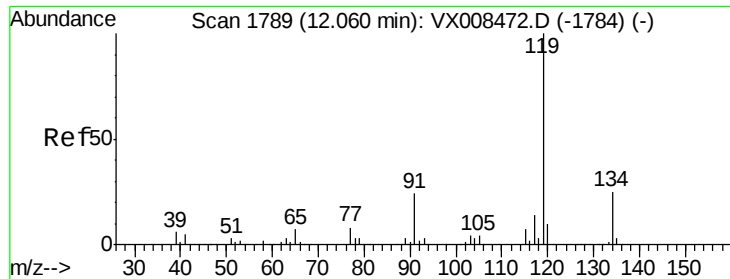
91 100

126 28.2 0.0 66.2



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

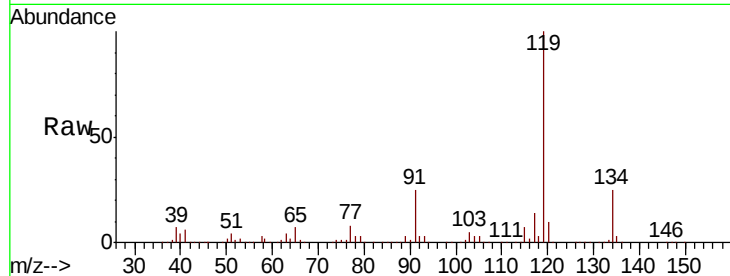




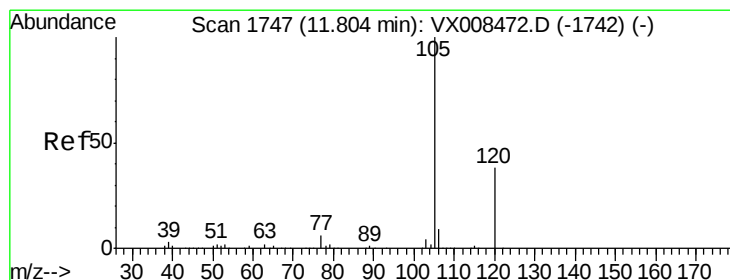
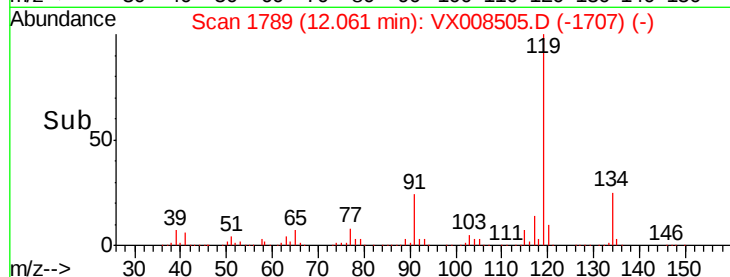
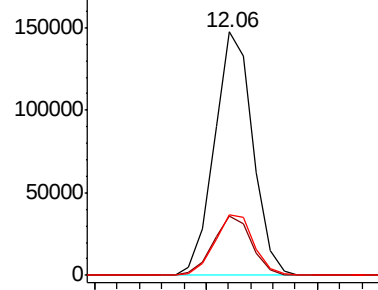
#79
tert-butylbenzene
Concen: 17.978 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:119 Resp: 177427
Ion Ratio Lower Upper
119 100
91 24.3 0.0 45.0
134 25.3 0.0 55.4

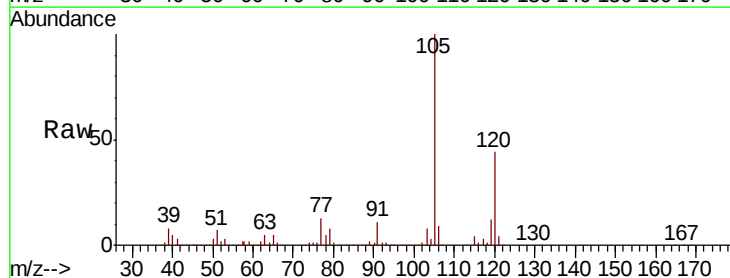


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V

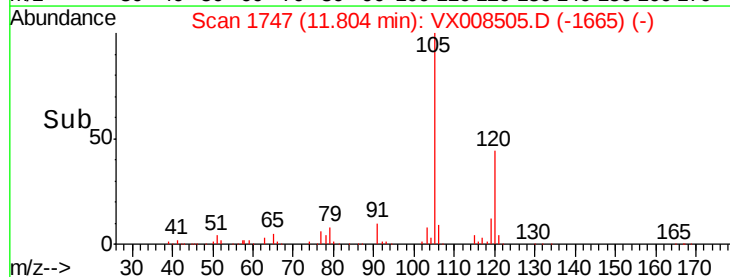
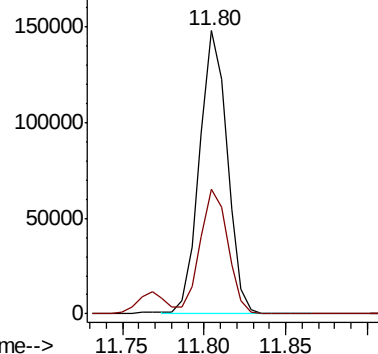


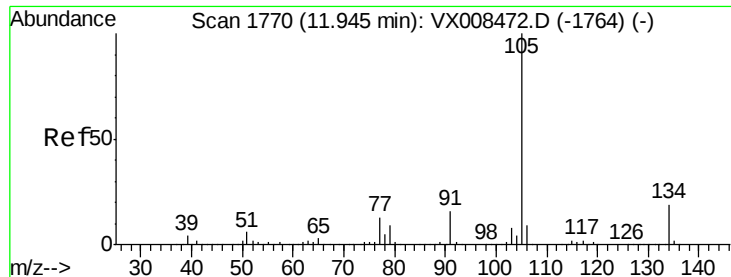
#80
1,2,4-Trimethylbenzene
Concen: 18.243 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion:105 Resp: 175666
Ion Ratio Lower Upper
105 100
120 43.7 0.0 94.0



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

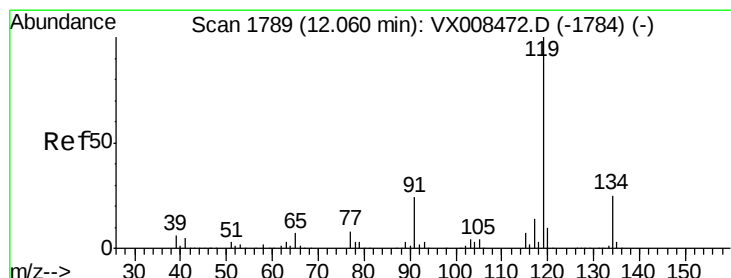
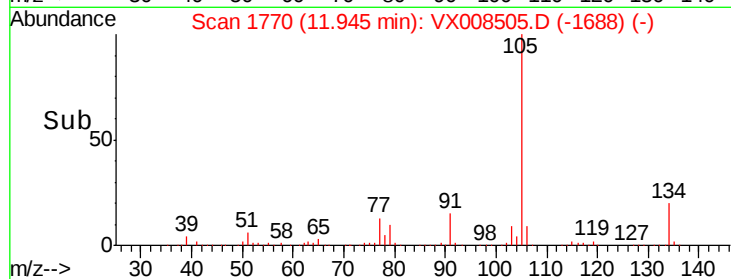
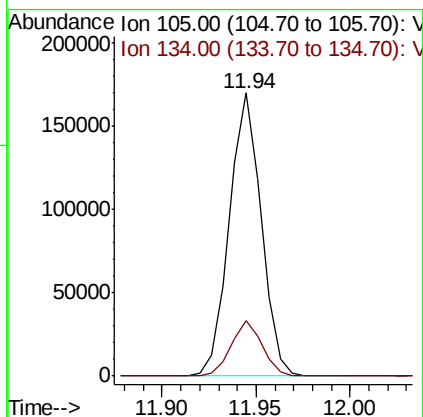
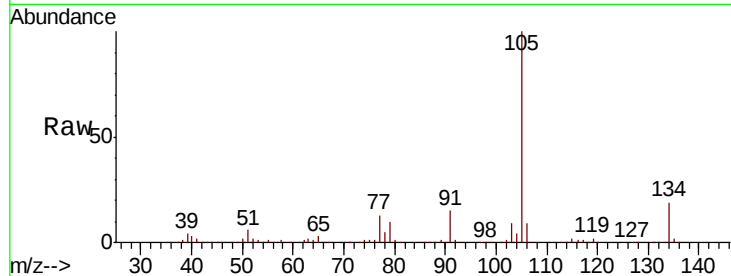




#81
 sec-Butylbenzene
 Concen: 18.100 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

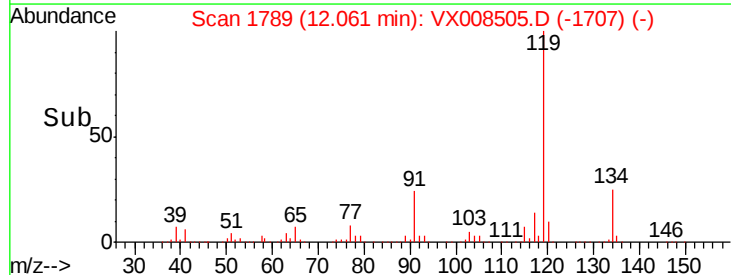
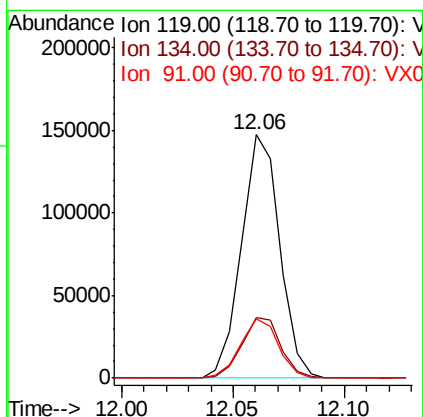
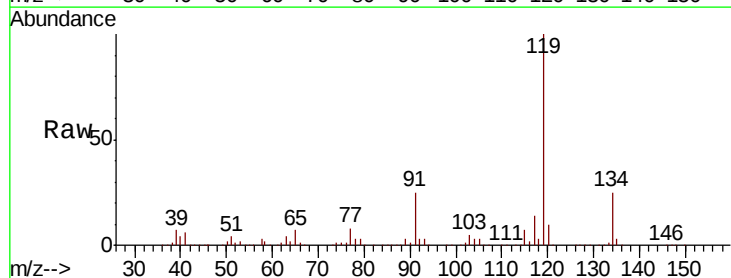
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

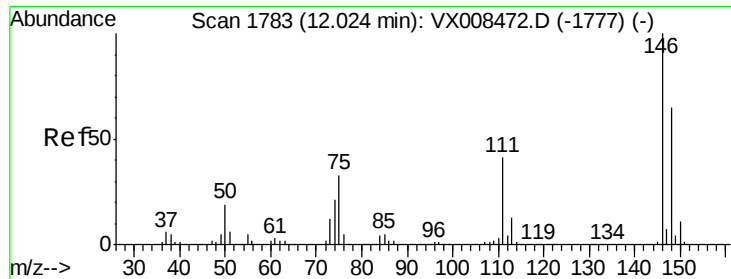
Tot Ion:105 Resp: 199712
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 17.978 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion:119 Resp: 177427
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 55.4
 91 24.3 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 18.033 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

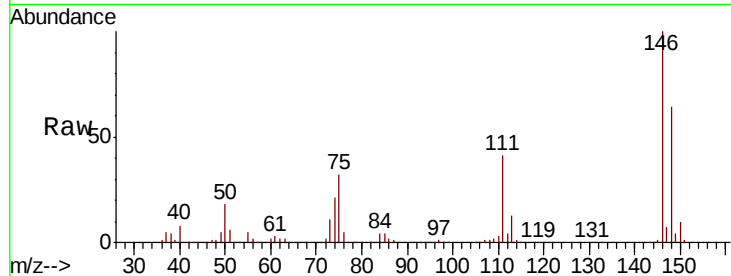
Tot Ion:146 Resp: 86033

Ion Ratio Lower Upper

146 100

111 41.5 18.8 56.3

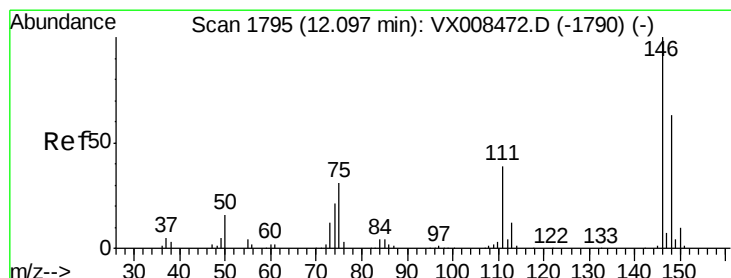
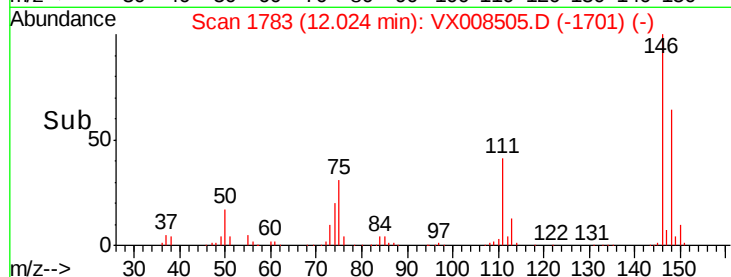
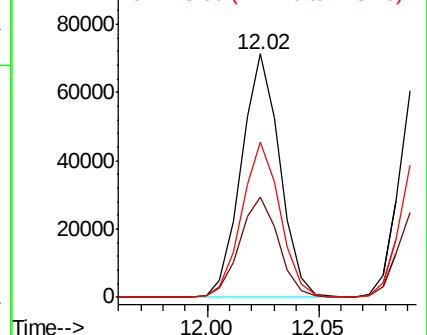
148 62.9 30.6 91.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 17.978 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

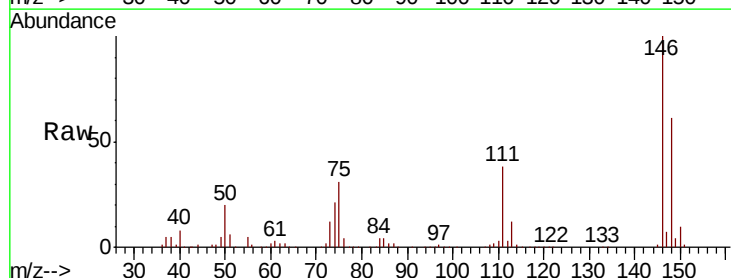
Tgt Ion:146 Resp: 85716

Ion Ratio Lower Upper

146 100

111 40.1 17.6 52.8

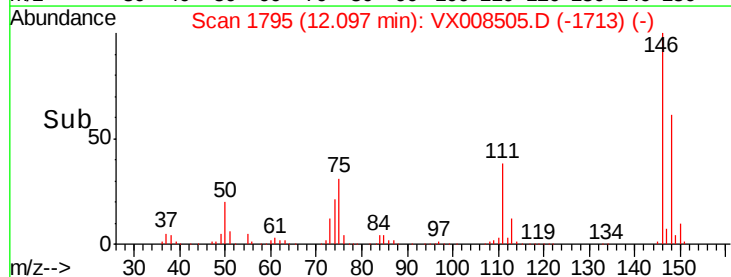
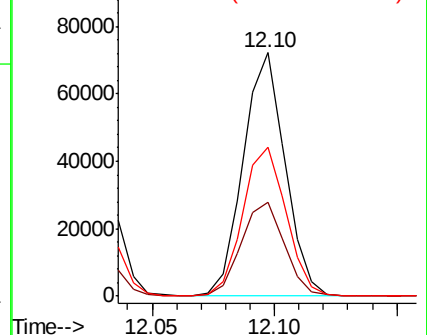
148 63.8 31.4 94.2

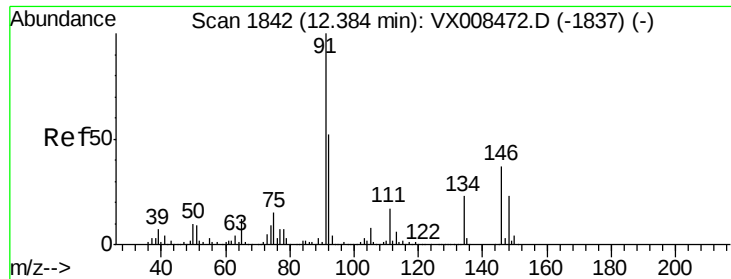


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

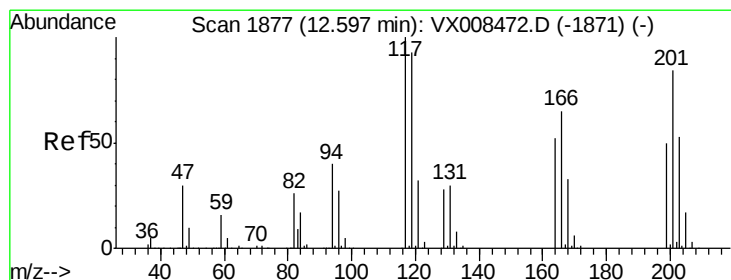
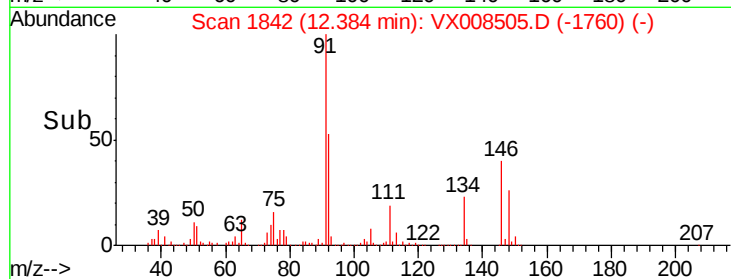
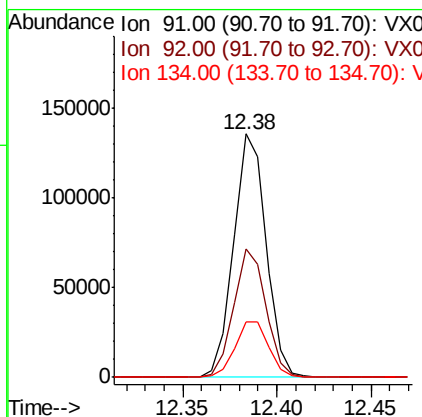
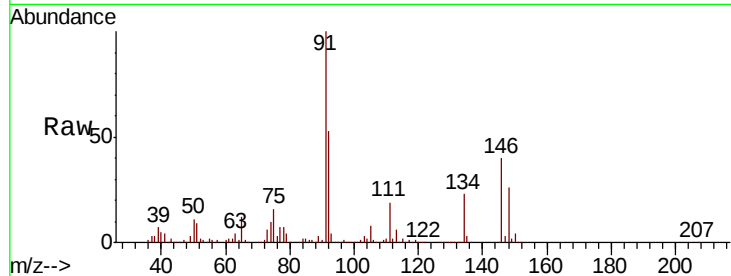




#85
n-Butylbenzene
Concen: 17.304 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

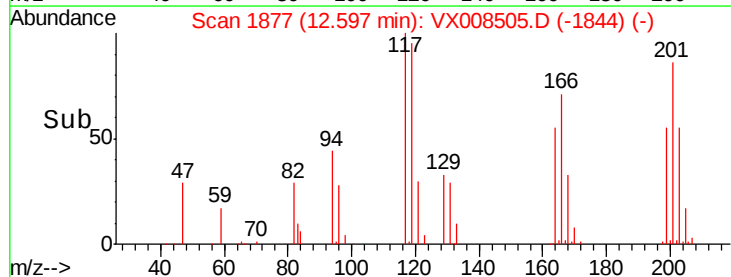
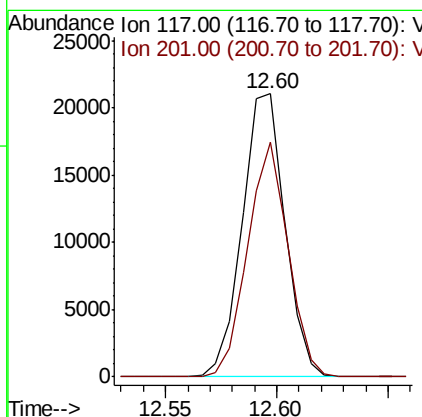
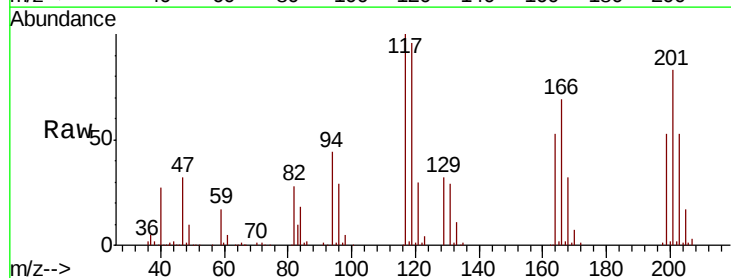
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

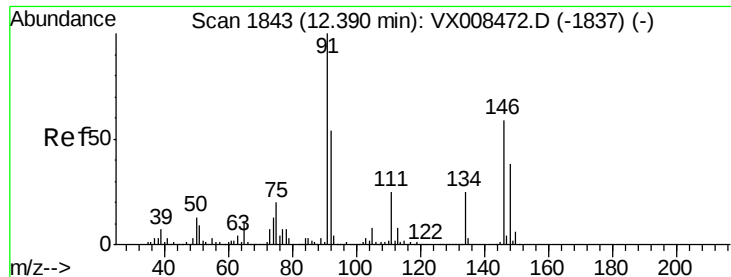
Tot Ion: 91 Resp: 162261
Ion Ratio Lower Upper
91 100
92 52.5 0.0 105.2
134 23.8 0.0 56.4



#86
Hexachloroethane
Concen: 17.158 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion: 117 Resp: 28292
Ion Ratio Lower Upper
117 100
201 78.0 41.1 123.3





#87

1,2-Dichlorobenzene

Concen: 17.920 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

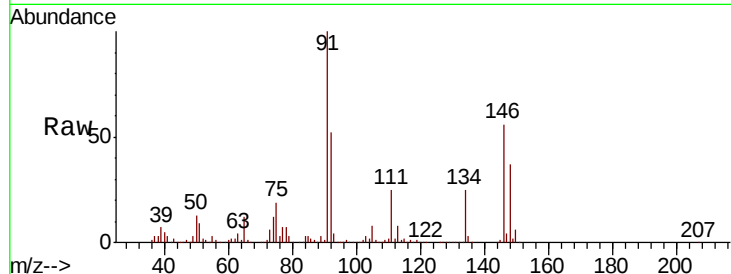
Tot Ion:146 Resp: 86147

Ion Ratio Lower Upper

146 100

111 43.8 19.3 57.8

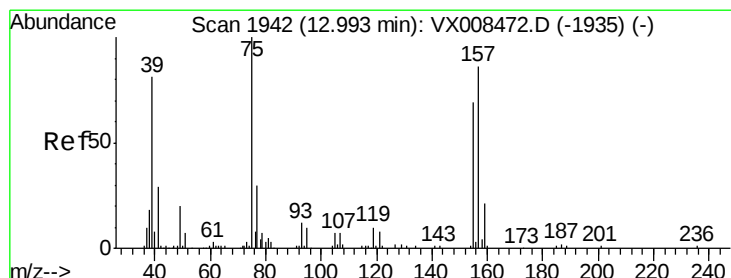
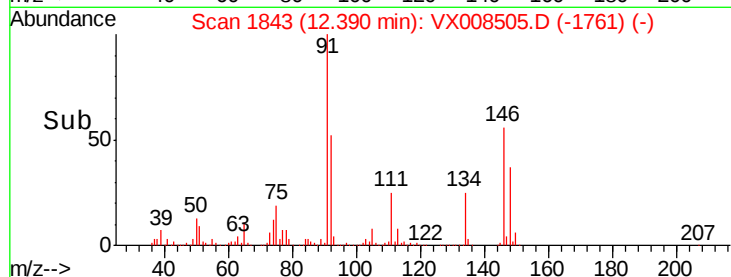
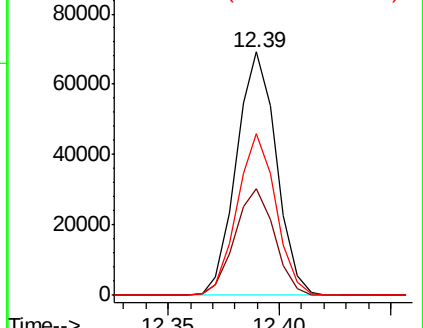
148 64.5 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.138 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.01 min

Lab File: VX008505.D

Acq: 27 Mar 2019 23:59

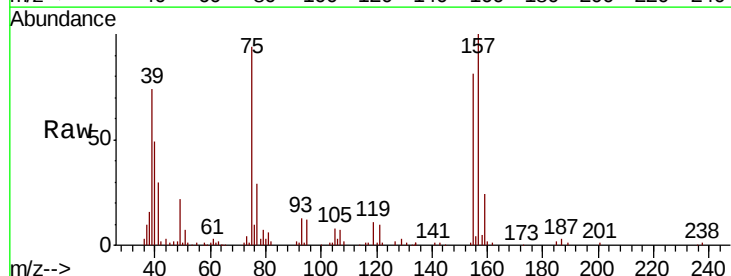
Tgt Ion: 75 Resp: 16029

Ion Ratio Lower Upper

75 100

155 80.2 81.0 121.6#

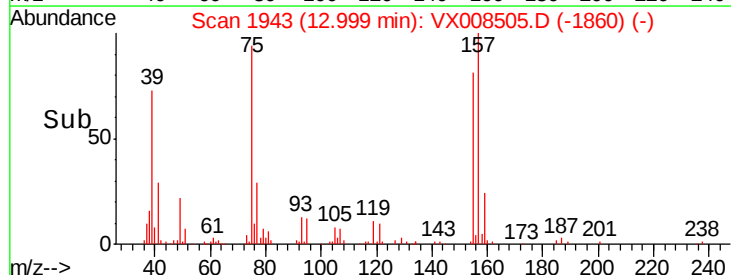
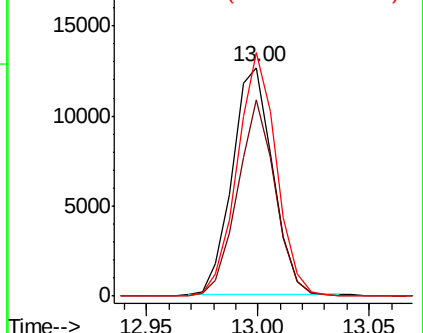
157 103.3 103.2 154.8

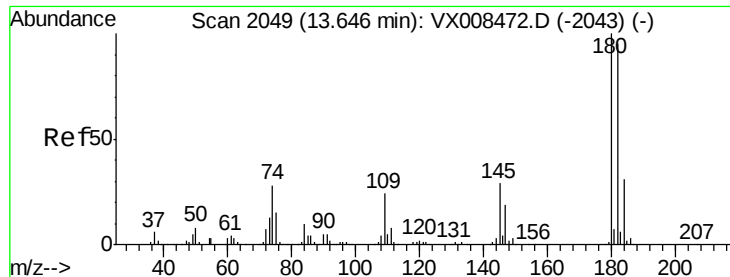


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

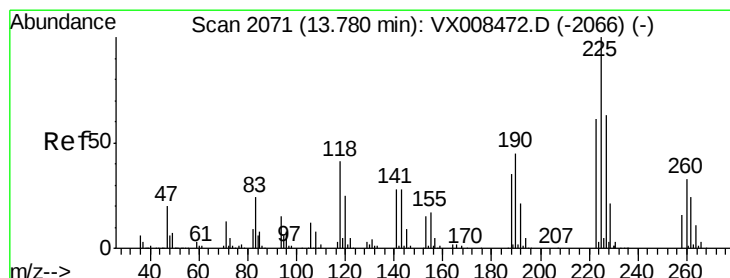
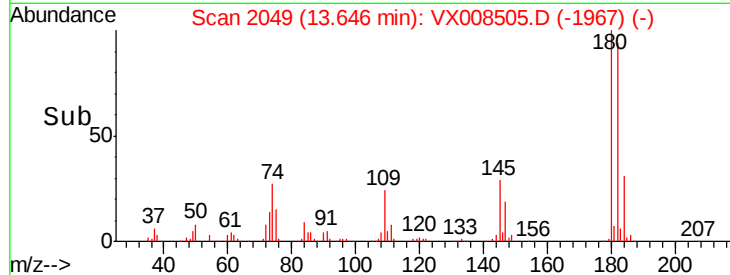
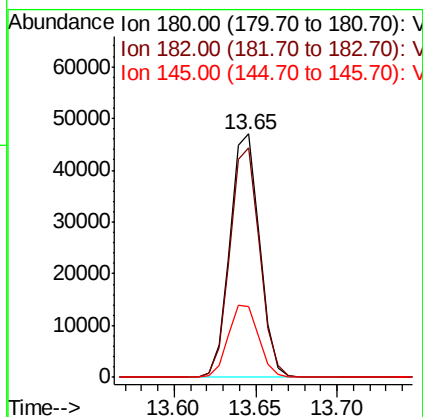
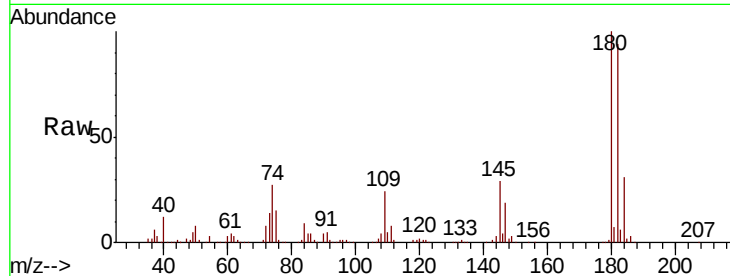




#89
 1,2,4-Trichlorobenzene
 Concen: 17.893 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

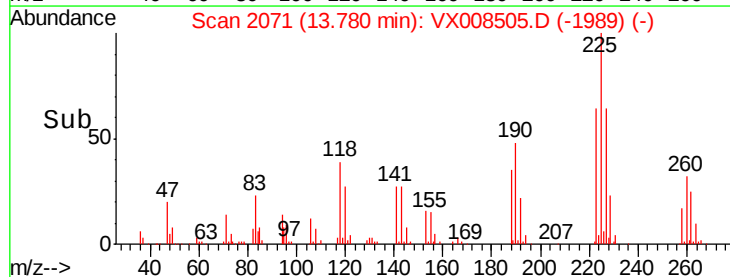
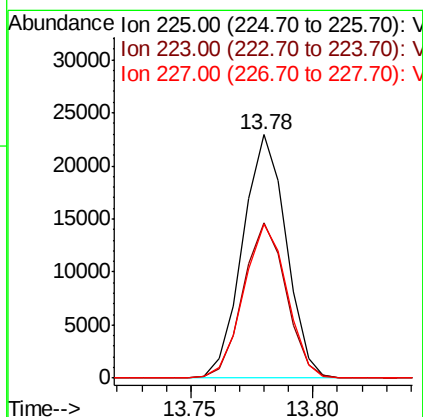
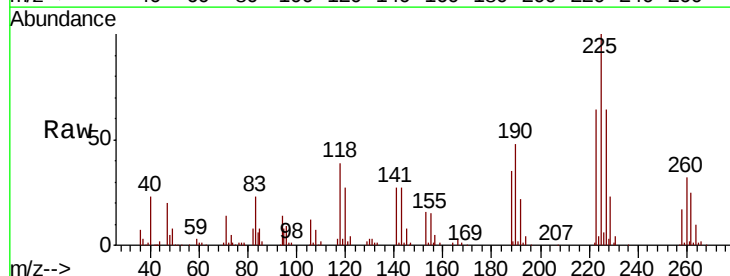
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

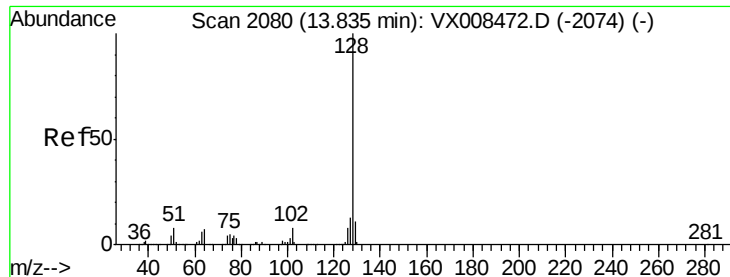
Tot Ion:180 Resp: 59335
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.6 113.4
 145 30.4 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 17.737 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008505.D
 Acq: 27 Mar 2019 23:59

Tgt Ion:225 Resp: 28335
 Ion Ratio Lower Upper
 225 100
 223 63.0 0.0 123.8
 227 63.0 0.0 124.4

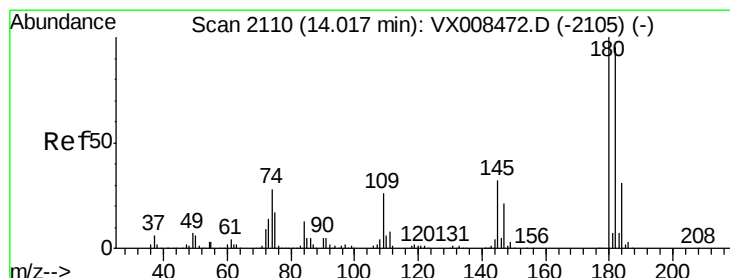
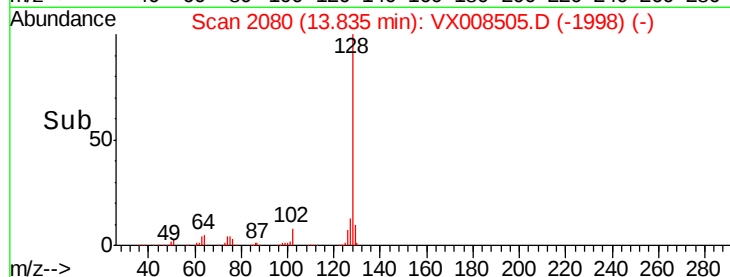
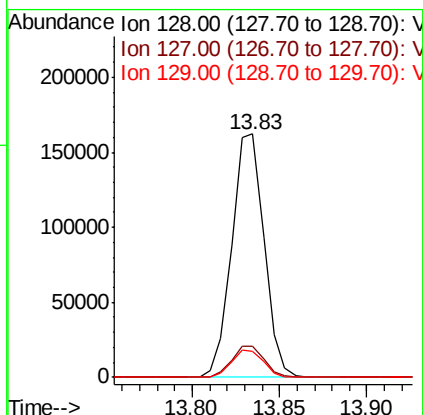
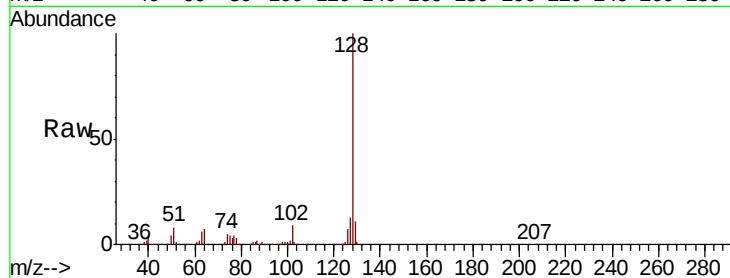




#91
Naphthalene
Concen: 18.384 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 208858
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.1 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 18.220 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008505.D
Acq: 27 Mar 2019 23:59

Tgt Ion:180 Resp: 60861
Ion Ratio Lower Upper
180 100
182 95.3 0.0 193.0
145 31.9 0.0 63.0

