

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009263.D
 Acq On : 01 May 2019 18:47
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 02 06:53:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31204	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	178003	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	157218	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	75022	28.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.60%
60) 4-Bromofluorobenzene	11.13	95	79532	29.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.23%
63) Toluene-d8	8.71	98	222458	29.84	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	33467	20.184	ug/l 99
3) Chloromethane	1.32	50	45101	20.237	ug/l 99
4) Vinyl Chloride	1.40	62	43677	19.644	ug/l 97
5) Bromomethane	1.64	94	27409	19.448	ug/l 97
6) Chloroethane	1.72	64	28791	19.745	ug/l 99
7) Trichlorofluoromethane	1.93	101	55210	20.110	ug/l 97
8) Diethyl Ether	2.18	74	26237	20.581	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	35029	20.608	ug/l 99
10) 1,1-Dichloroethene	2.37	96	34227	20.054	ug/l 96
11) Methyl Iodide	2.51	142	36824	19.847	ug/l 100
12) Methyl Acetate	2.77	43	64429	20.042	ug/l 98
13) Acrolein	2.29	56	36425	82.611	ug/l 100
14) Acrylonitrile	3.14	53	142492	102.134	ug/l 99
15) Acetone	2.44	58	39280	98.062	ug/l 96
16) Carbon Disulfide	2.57	76	90860	19.676	ug/l 99
17) Allyl chloride	2.73	41	82536	20.143	ug/l 98
18) Methylene Chloride	2.85	84	41998	20.361	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	36909	20.282	ug/l 99
20) Diisopropyl ether	3.85	45	163515	20.264	ug/l 99
21) 1,1-Dichloroethane	3.70	63	79120	20.261	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	43887	20.022	ug/l 97
23) tert-Butyl Alcohol	3.04	59	59715	101.224	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	135288	20.255	ug/l 100
25) Chloroform	5.21	83	71933	20.186	ug/l 99
26) Cyclohexane	5.58	56	73385	20.164	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	53154	20.351	ug/l 98
30) 2-Butanone	4.67	43	215123	105.169	ug/l 99
31) 2,2-Dichloropropane	4.58	77	57407	19.937	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	59185	20.903	ug/l 98
33) Carbon Tetrachloride	5.79	117	48117	20.311	ug/l 99
34) Benzene	6.14	78	170137	21.129	ug/l 99
35) Methacrylonitrile	5.04	41	44748	20.909	ug/l 97
36) 1,2-Dichloroethane	6.19	62	61358	21.000	ug/l 99
37) Trichloroethene	7.21	130	39739	20.501	ug/l 98
38) Methylcyclohexane	7.46	83	66119	20.490	ug/l 100
39) 1,2-Dichloropropane	7.51	63	47035	20.512	ug/l 94
40) Dibromomethane	7.66	93	27261	20.946	ug/l 98

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Quant Time: May 02 06:53:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	53906	20.277	ug/l	100
42) Vinyl Acetate	3.81	43	713641	105.708	ug/l	99
43) Ethyl Acetate	4.83	43	78336	21.194	ug/l	98
44) Isopropyl Acetate	6.45	43	125099	20.892	ug/l	98
45) 1,4-Dioxane	7.74	88	24979	424.903	ug/l	98
46) Methyl methacrylate	7.77	41	61090	20.441	ug/l	99
47) n-amyl Acetate	10.90	43	109006	20.209	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	63054	20.328	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	68659	20.163	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	41922	21.024	ug/l	98
51) Ethyl methacrylate	9.18	69	75080	20.376	ug/l	98
52) 1,3-Dichloropropane	9.37	76	74350	21.010	ug/l	99
53) Dibromochloromethane	9.58	129	40742	20.516	ug/l	99
54) 1,2-Dibromoethane	9.67	107	41760	20.420	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	194481	99.048	ug/l	99
56) Bromoform	10.85	173	29976	19.664	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	406129	105.057	ug/l	99
59) 2-Hexanone	9.49	43	315718	104.124	ug/l	100
61) Tetrachloroethene	9.34	164	37321	21.534	ug/l	97
62) Toluene	8.78	91	178229	21.215	ug/l	99
64) Chlorobenzene	10.13	112	105763	20.918	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	37848	20.444	ug/l	100
66) Ethyl Benzene	10.25	91	195861	20.928	ug/l	98
67) m/p-Xylenes	10.36	106	142091	41.583	ug/l	100
68) o-Xylene	10.69	106	70024	20.841	ug/l	100
69) Styrene	10.71	104	120841	20.488	ug/l	99
70) Isopropylbenzene	11.02	105	188466	20.857	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	69106	20.883	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	80087	28.083	ug/l	84
73) Bromobenzene	11.26	156	45849	20.537	ug/l	99
74) n-propylbenzene	11.36	91	213292	20.369	ug/l	99
75) 2-Chlorotoluene	11.42	91	129342	20.594	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	159794	20.877	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	21451	18.648	ug/l	98
78) 4-Chlorotoluene	11.51	91	145989	20.466	ug/l	99
79) tert-butylbenzene	11.77	119	152711	20.638	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	157663	20.552	ug/l	99
81) sec-Butylbenzene	11.94	105	178525	20.307	ug/l	100
82) p-Isopropyltoluene	12.06	119	162643	20.338	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	79755	20.004	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	80082	20.160	ug/l	99
85) n-Butylbenzene	12.38	91	143817	19.654	ug/l	100
86) Hexachloroethane	12.60	117	26701	19.622	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	82083	20.452	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15666	20.372	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	57802	20.206	ug/l	99
90) Hexachlorobutadiene	13.78	225	28521	19.960	ug/l	99
91) Naphthalene	13.83	128	197067	21.041	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	60150	20.685	ug/l	99

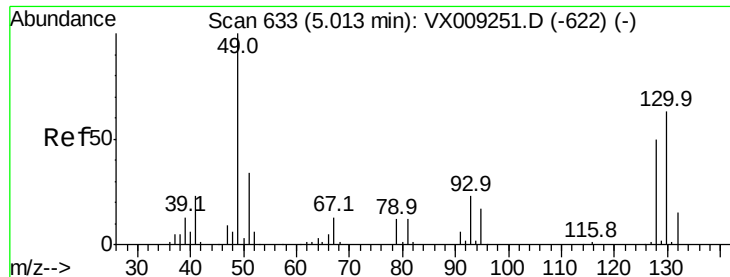
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QLast Update : Thu May 02 06:46:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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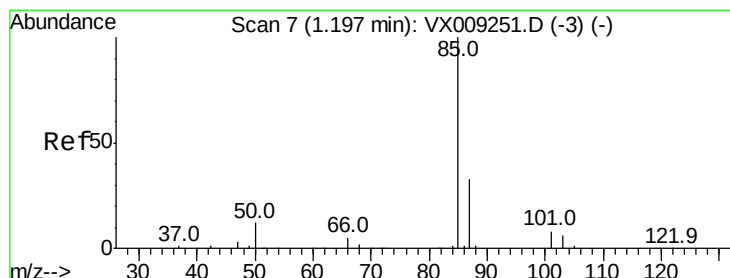
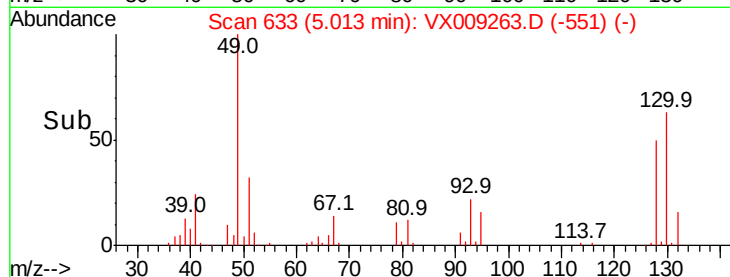
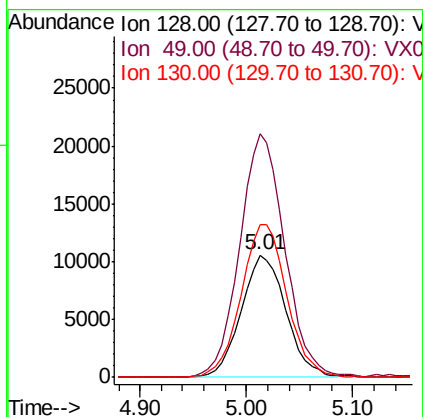
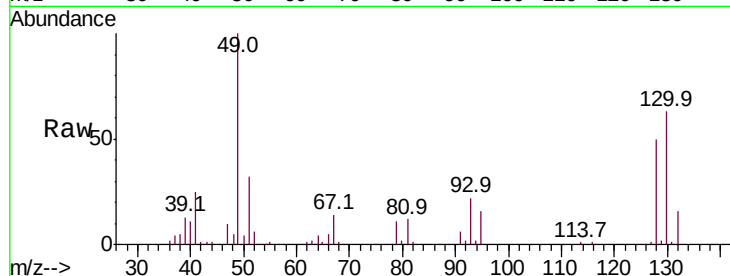
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

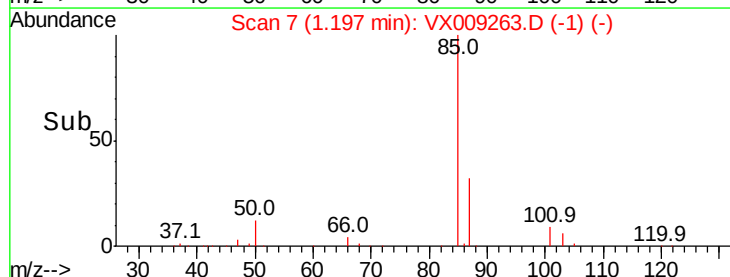
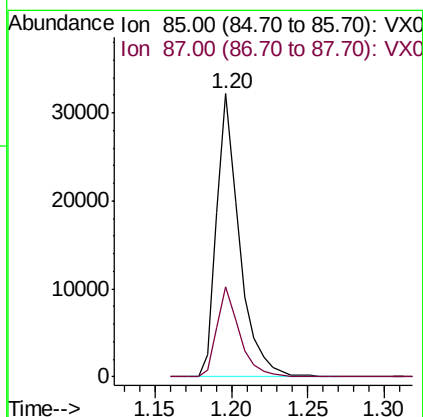
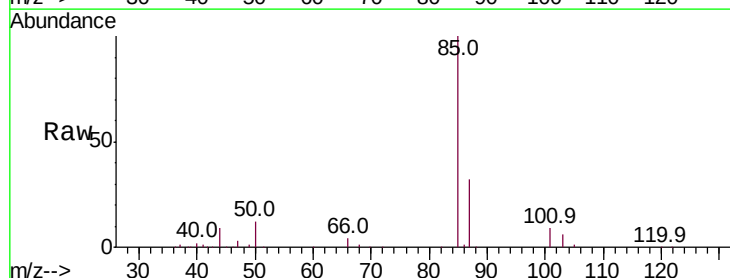
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

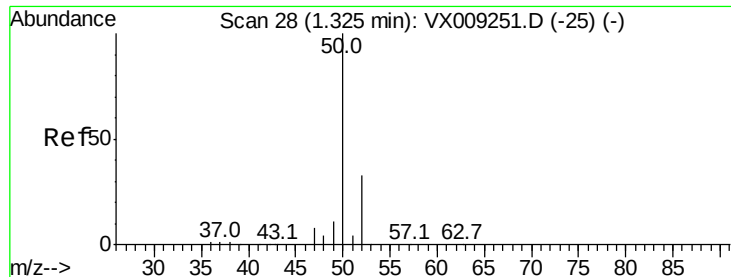
Tot Ion:128 Resp: 31204
 Ion Ratio Lower Upper
 128 100
 49 199.9 0.0 515.0
 130 127.6 0.0 323.3



#2
 Dichlorodifluoromethane
 Concen: 20.184 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion: 85 Resp: 33467
 Ion Ratio Lower Upper
 85 100
 87 31.9 16.3 48.9





#3

Chloromethane

Concen: 20.237 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

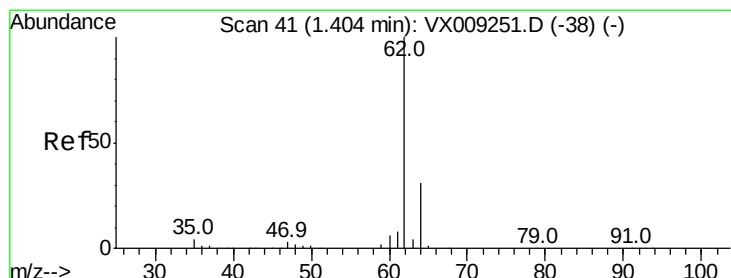
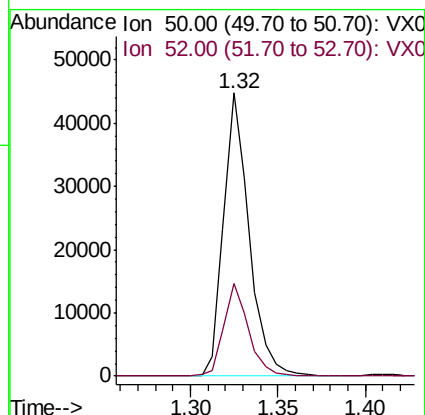
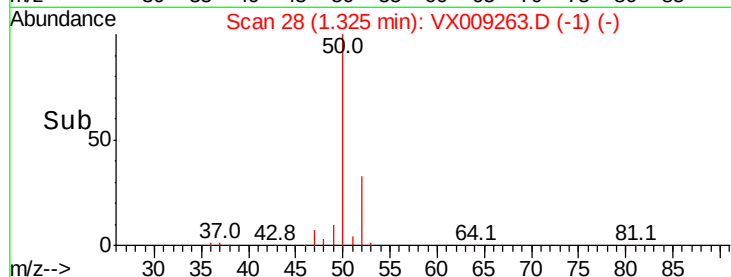
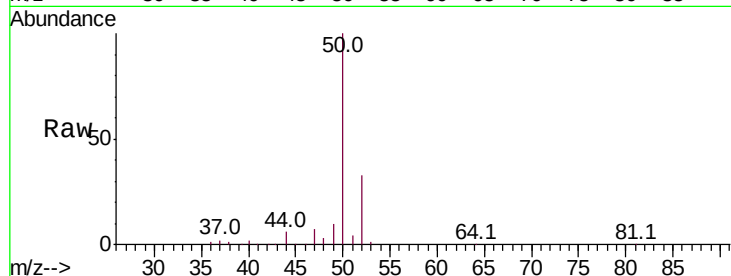
VSTDCCC020EC

Tot Ion: 50 Resp: 45101

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



#4

Vinyl Chloride

Concen: 19.644 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX009263.D

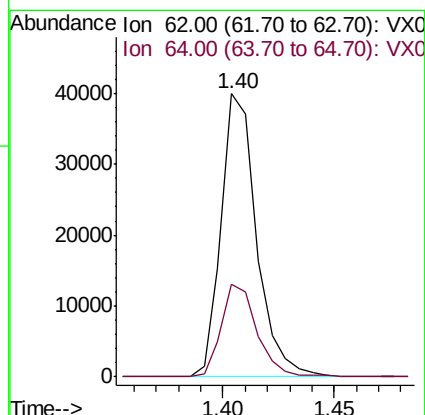
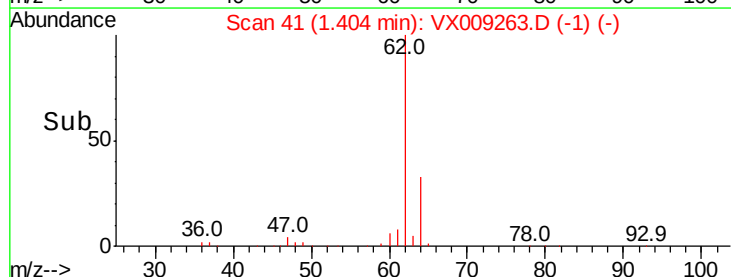
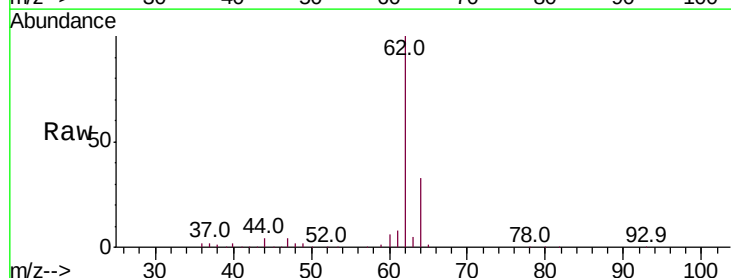
Acq: 01 May 2019 18:47

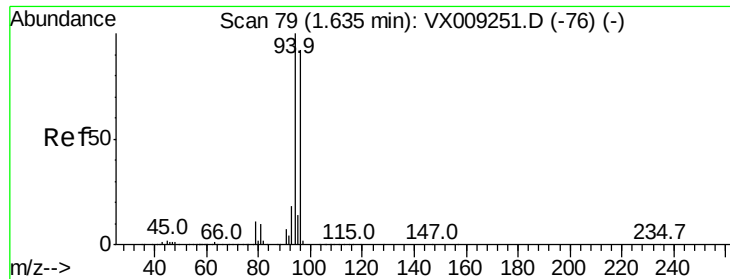
Tgt Ion: 62 Resp: 43677

Ion Ratio Lower Upper

62 100

64 32.5 24.6 36.8





#5

Bromomethane

Concen: 19.448 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

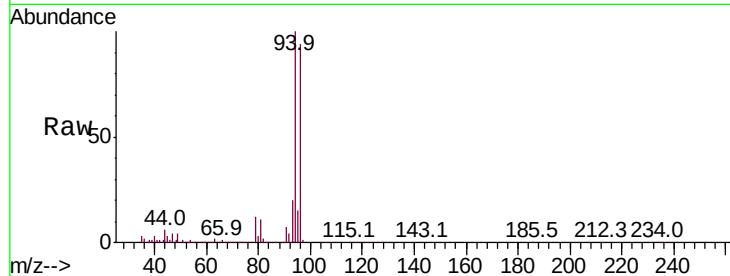
VSTDCCC020EC

Tot Ion: 94 Resp: 27409

Ion Ratio Lower Upper

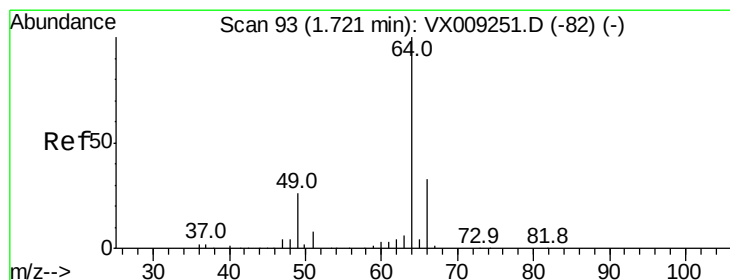
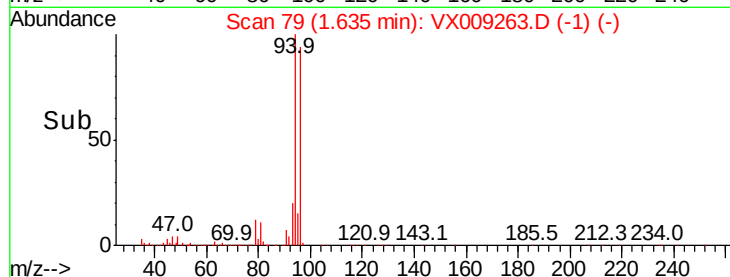
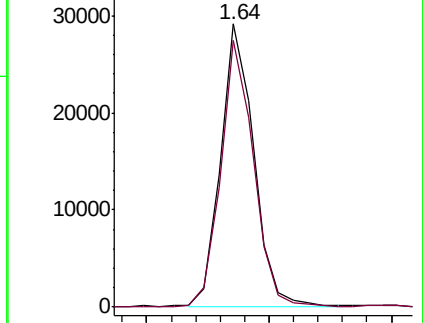
94 100

96 94.5 73.5 110.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.745 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009263.D

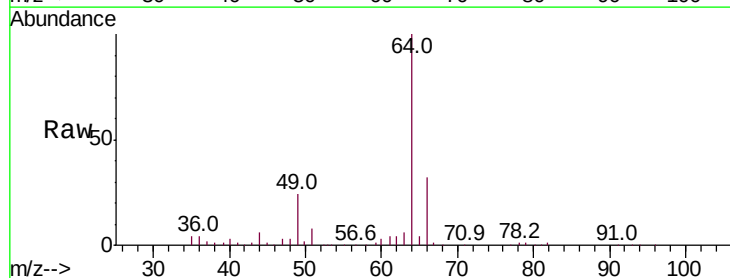
Acq: 01 May 2019 18:47

Tgt Ion: 64 Resp: 28791

Ion Ratio Lower Upper

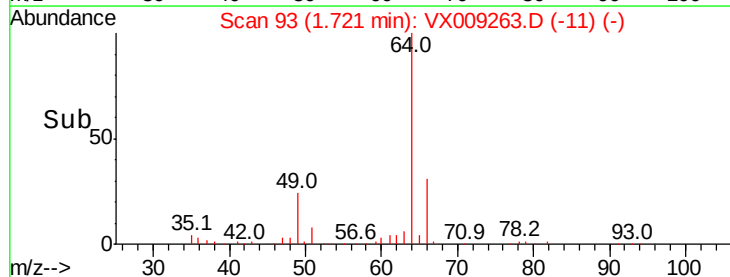
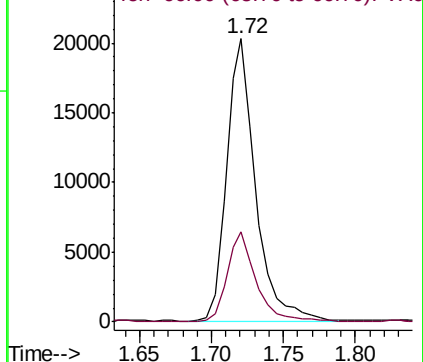
64 100

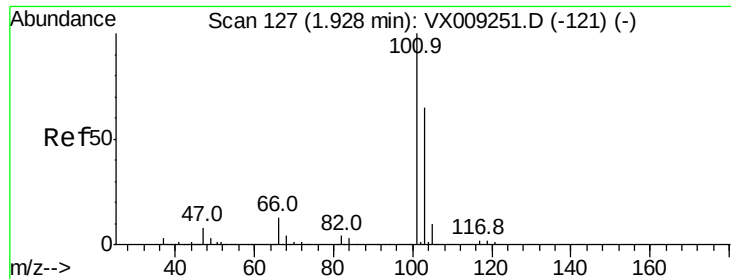
66 31.8 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



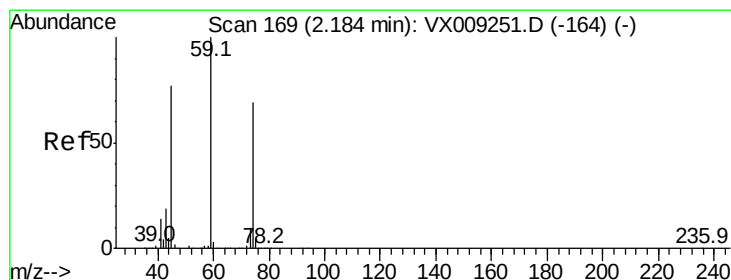
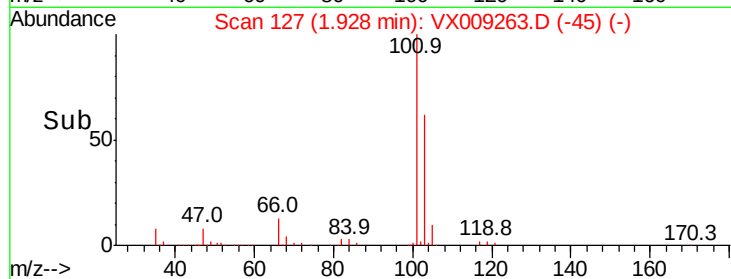
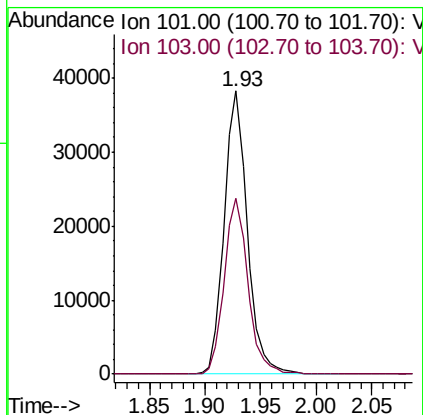
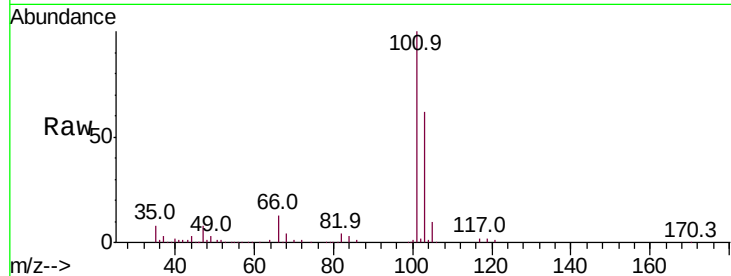


#7

Trichlorofluoromethane
 Concen: 20.110 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Instrument :
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 VSTDCCC020EC

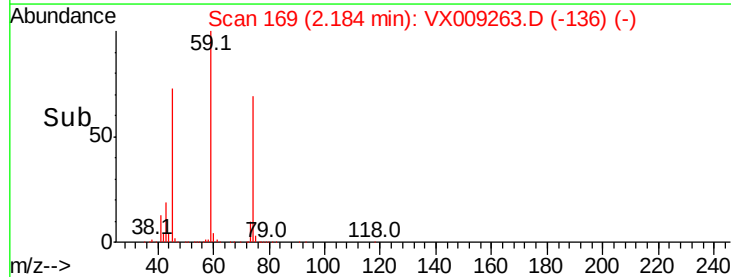
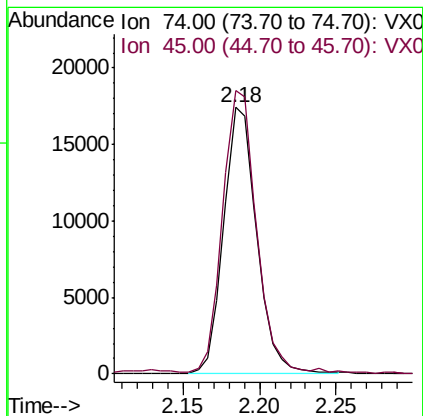
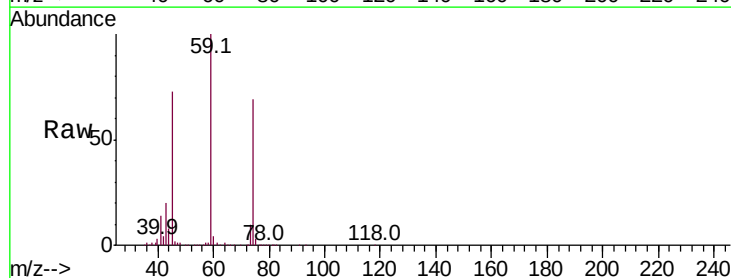
Tot Ion:101 Resp: 55210
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.9 77.9

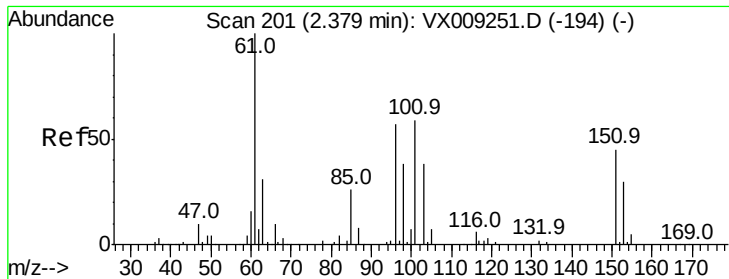


#8

Diethyl Ether
 Concen: 20.581 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion: 74 Resp: 26237
 Ion Ratio Lower Upper
 74 100
 45 106.5 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.608 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

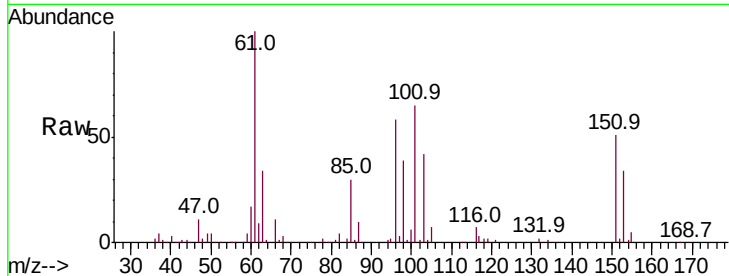
Tot Ion:101 Resp: 35029

Ion Ratio Lower Upper

101 100

85 44.2 0.0 87.4

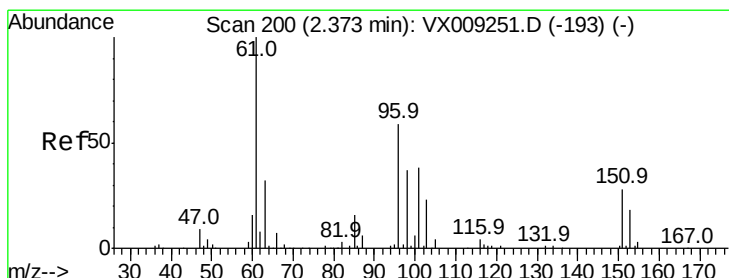
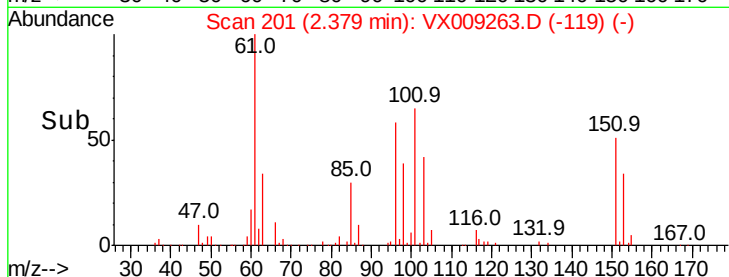
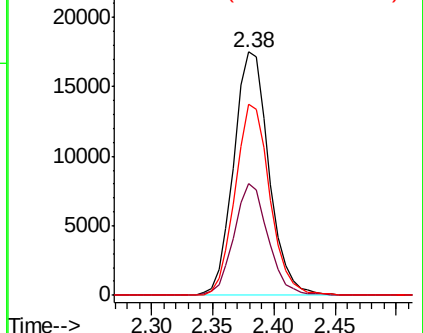
151 77.4 0.0 157.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.054 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

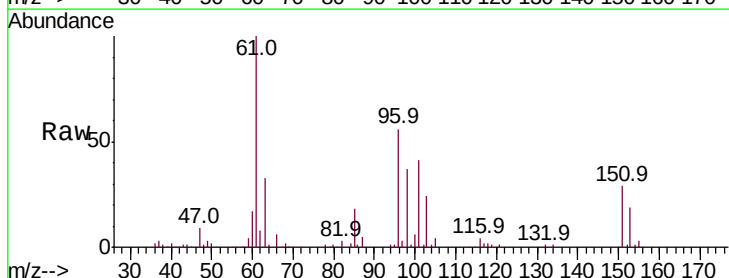
Tgt Ion: 96 Resp: 34227

Ion Ratio Lower Upper

96 100

61 177.3 136.5 204.7

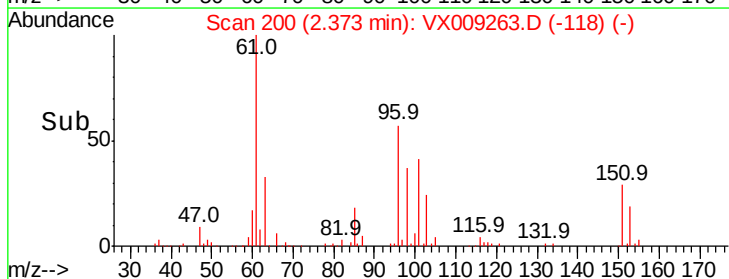
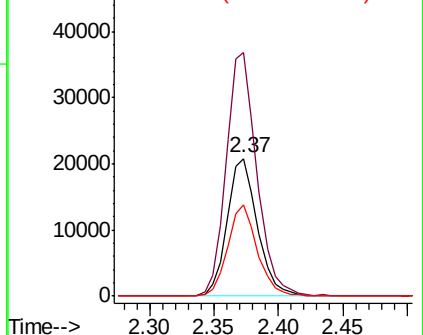
98 66.3 51.0 76.4

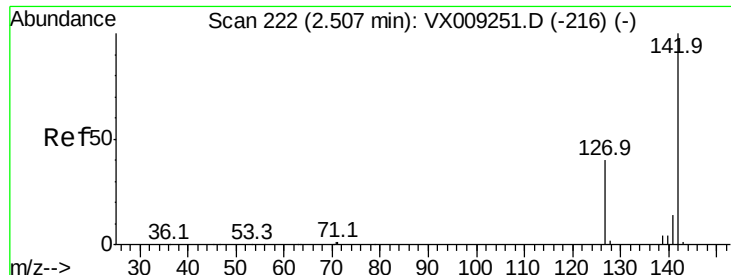


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

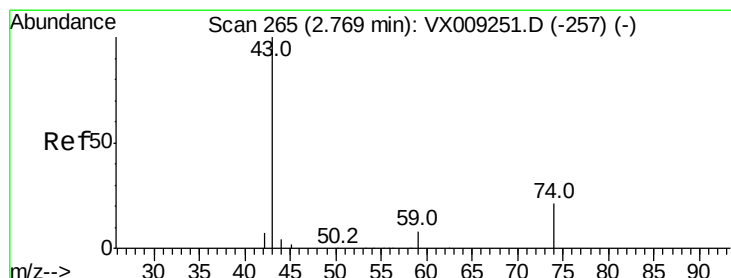
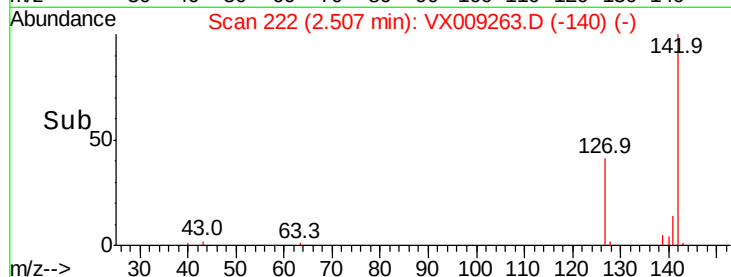
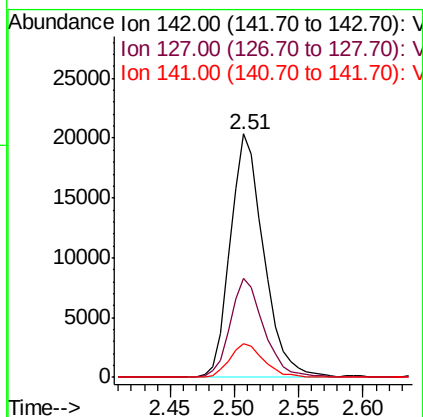
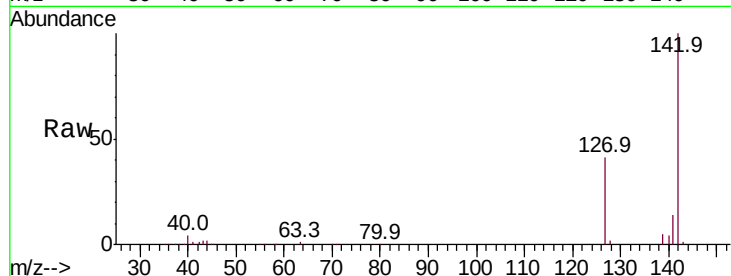




#11
Methvl Iodide
Concen: 19.847 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

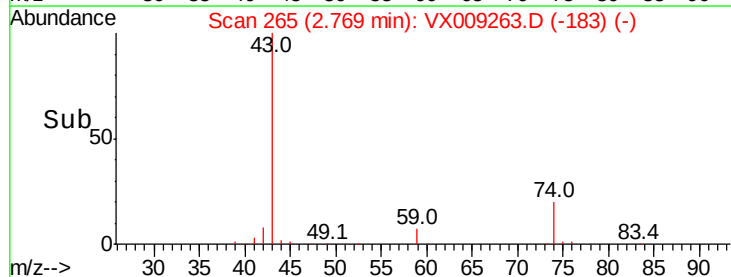
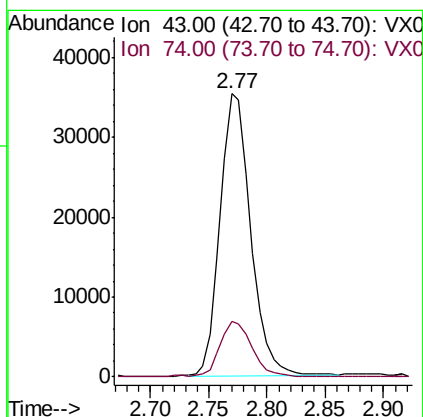
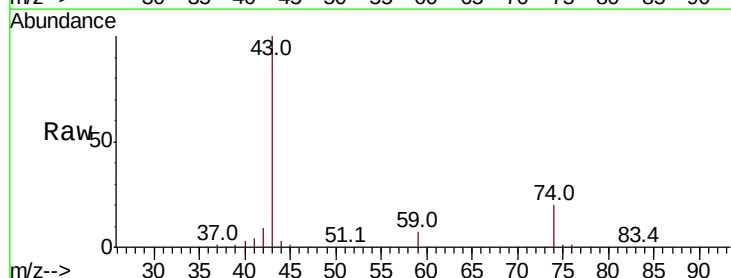
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

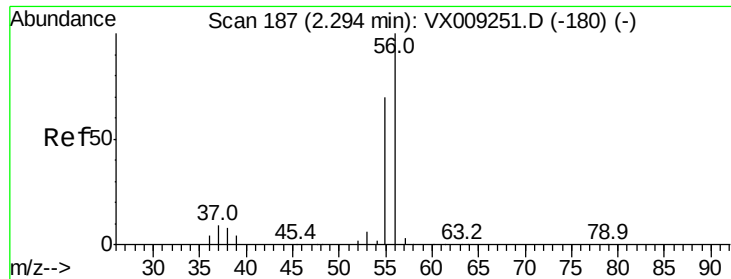
Tot Ion:142 Resp: 36824
Ion Ratio Lower Upper
142 100
127 40.7 20.2 60.5
141 13.8 6.9 20.7



#12
Methyl Acetate
Concen: 20.042 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion: 43 Resp: 64429
Ion Ratio Lower Upper
43 100
74 19.7 16.5 24.7





#13

Acrolein

Concen: 82.611 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

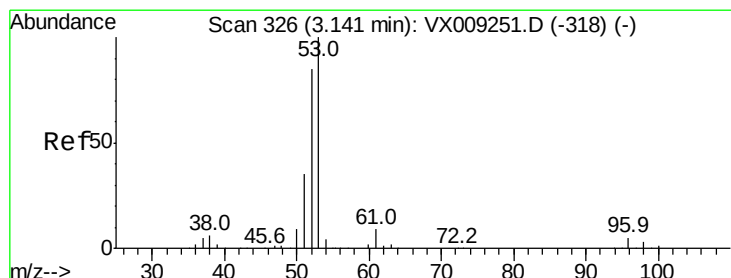
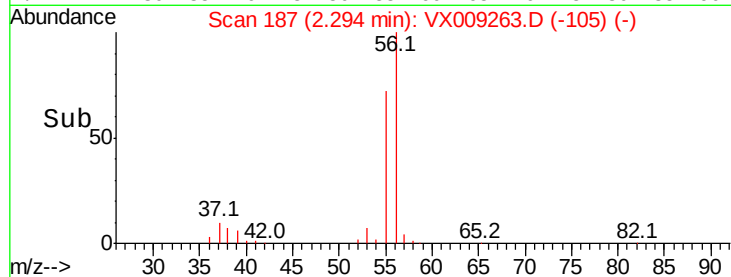
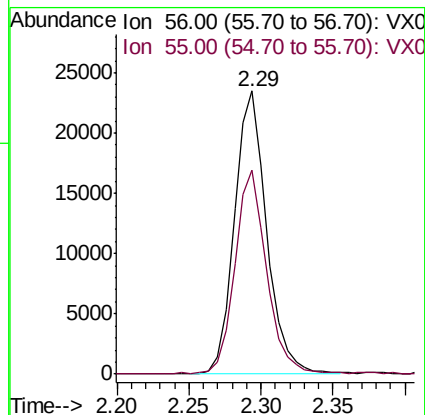
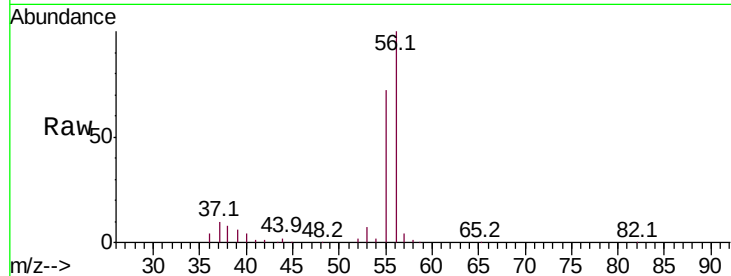
VSTDCCC020EC

Tot Ion: 56 Resp: 36425

Ion Ratio Lower Upper

56 100

55 71.5 56.9 85.3



#14

Acrylonitrile

Concen: 102.134 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

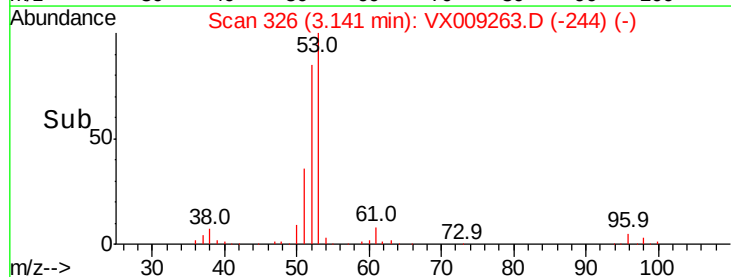
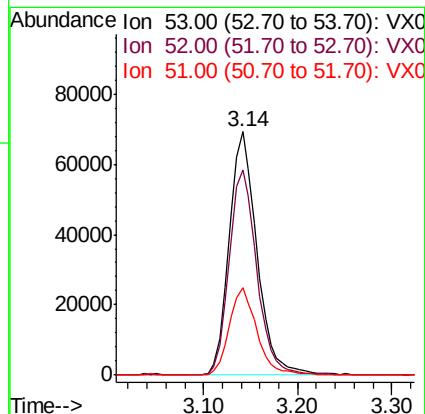
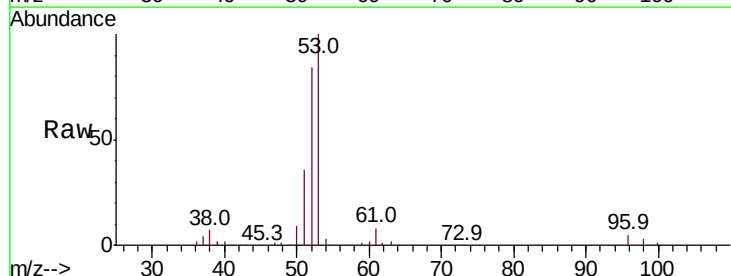
Tgt Ion: 53 Resp: 142492

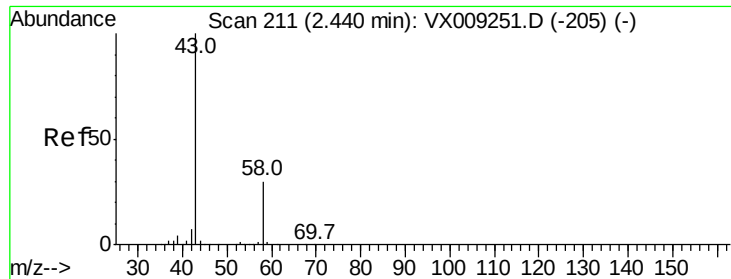
Ion Ratio Lower Upper

53 100

52 83.7 41.5 124.5

51 36.0 17.8 53.3





#15

Acetone

Concen: 98.062 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

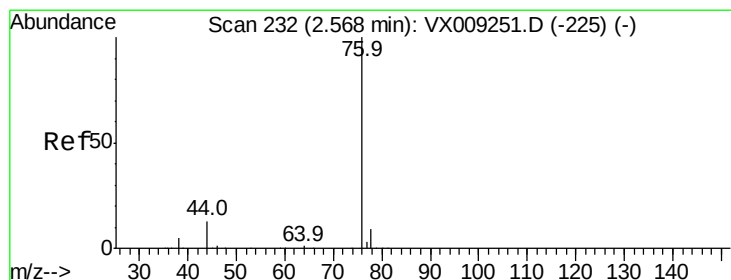
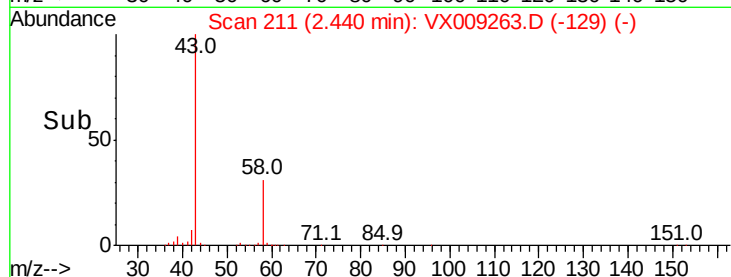
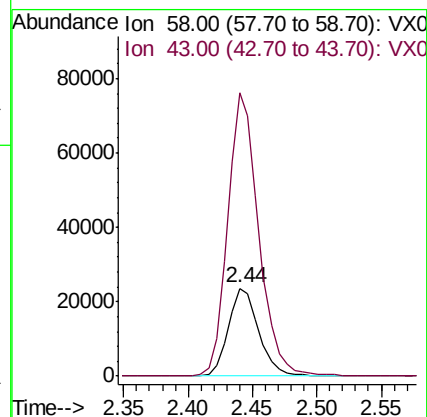
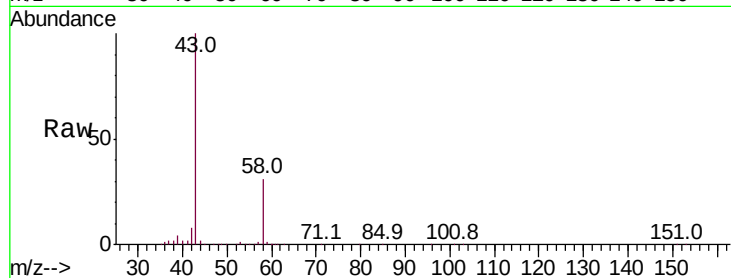
VSTDCCC020EC

Tot Ion: 58 Resp: 39280

Ion Ratio Lower Upper

58 100

43 321.6 264.0 396.0



#16

Carbon Disulfide

Concen: 19.676 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009263.D

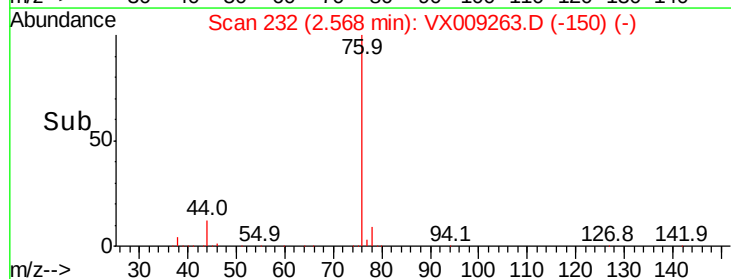
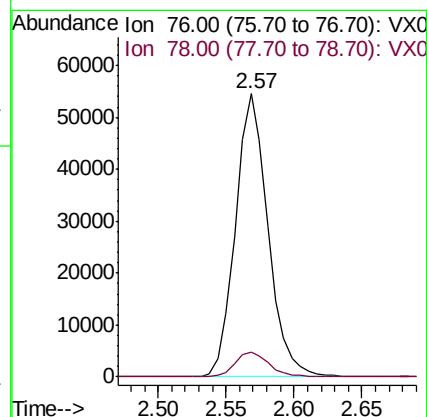
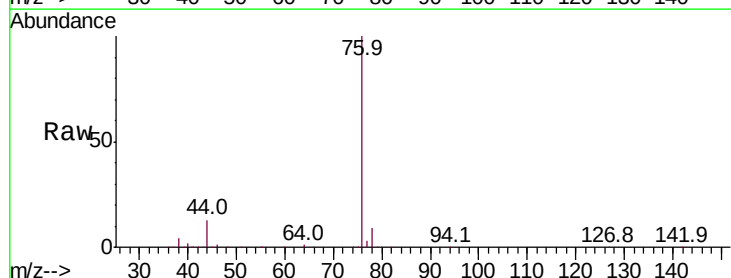
Acq: 01 May 2019 18:47

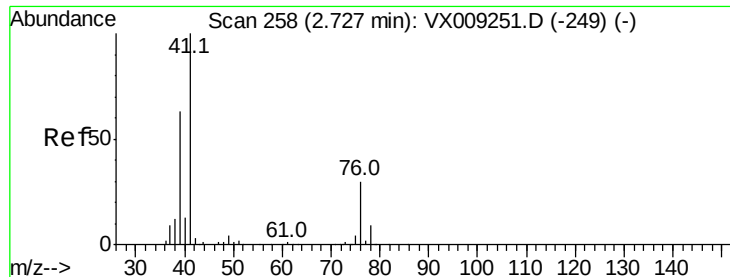
Tgt Ion: 76 Resp: 90860

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

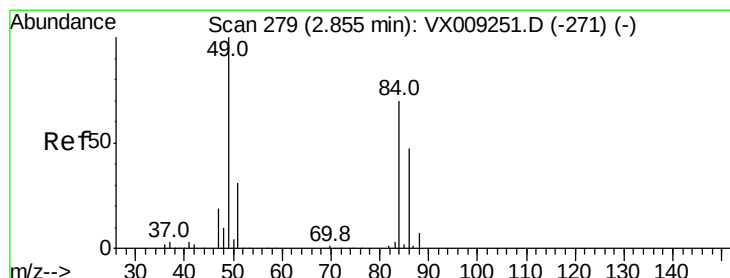
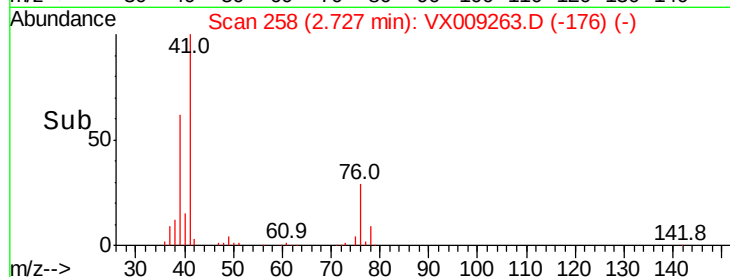
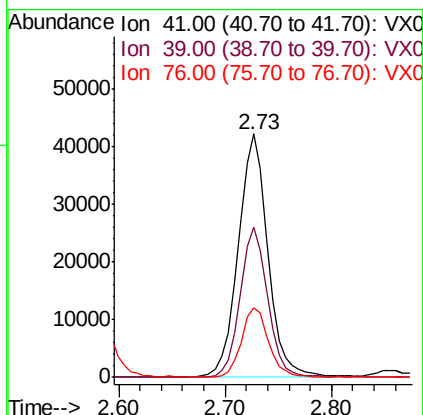
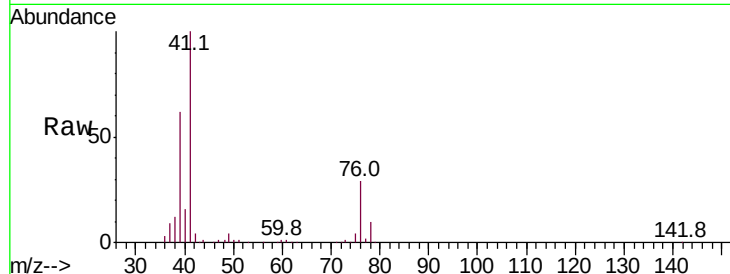




#17
Allvl chloride
Concen: 20.143 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

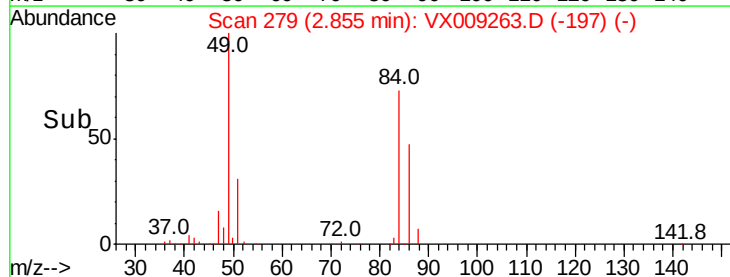
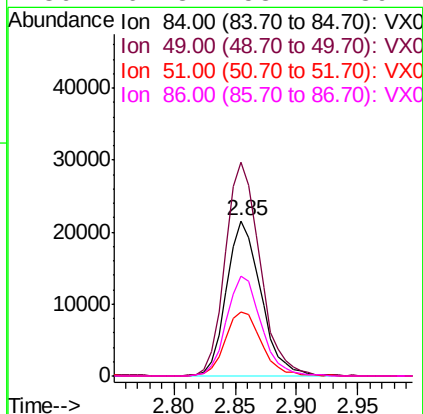
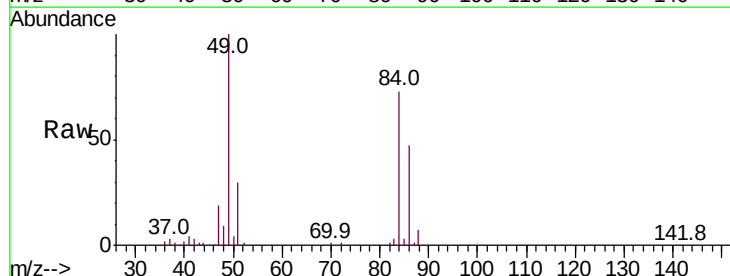
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

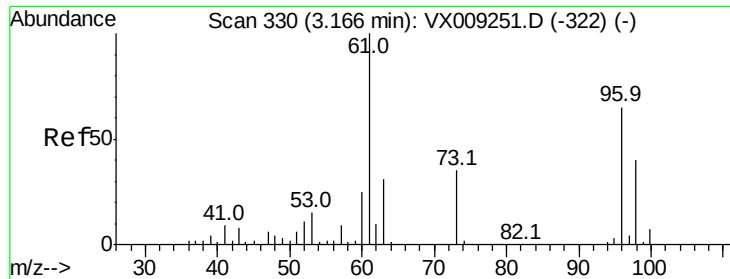
Tot Ion: 41 Resp: 82536
Ion Ratio Lower Upper
41 100
39 61.9 31.6 94.7
76 28.6 15.1 45.3



#18
Methylene Chloride
Concen: 20.361 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion: 84 Resp: 41998
Ion Ratio Lower Upper
84 100
49 137.1 114.6 171.8
51 41.6 35.5 53.3
86 64.3 53.4 80.2

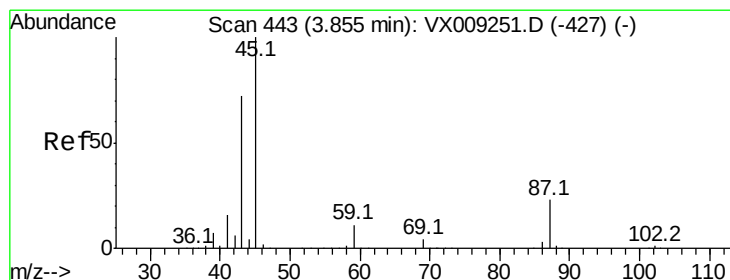
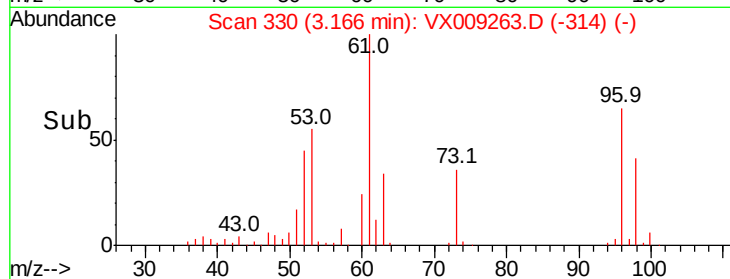
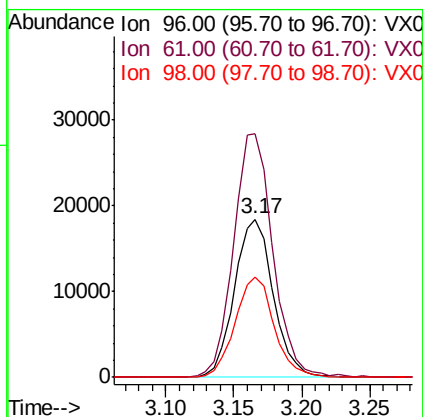
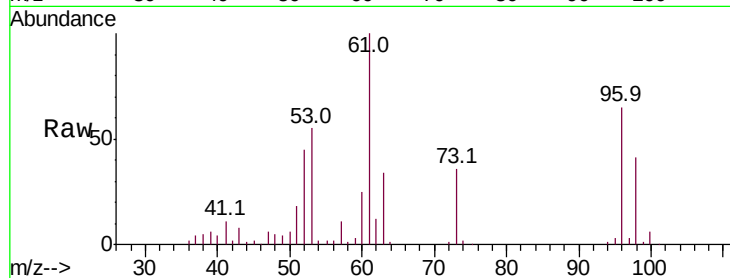




#19
trans-1,2-Dichloroethene
Concen: 20.282 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

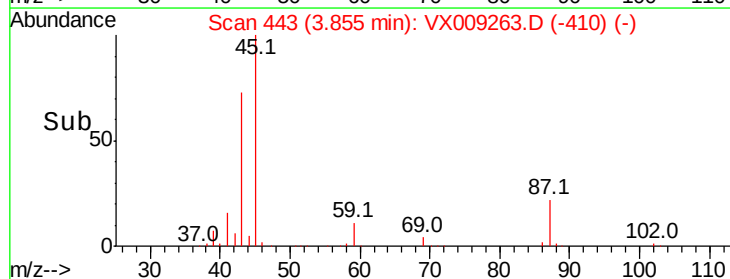
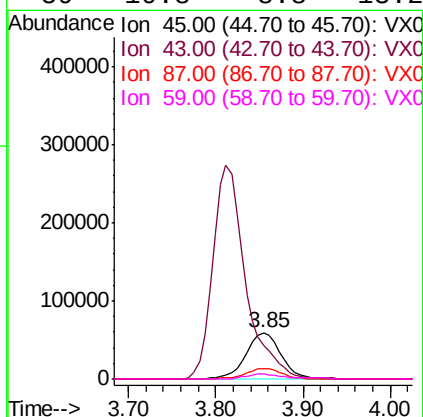
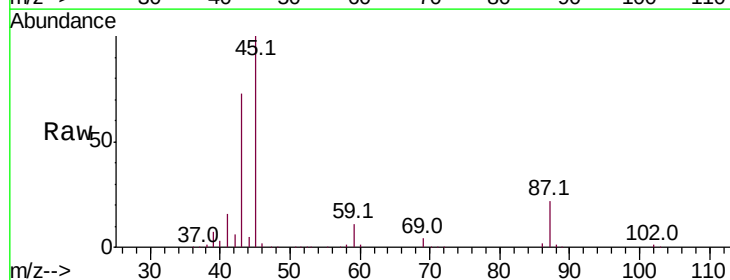
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

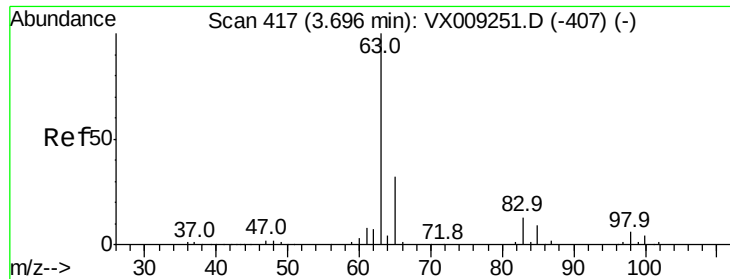
Tot Ion: 96 Resp: 36909
Ion Ratio Lower Upper
96 100
61 154.2 122.7 184.1
98 63.2 49.5 74.3



#20
Diisopropyl ether
Concen: 20.264 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion: 45 Resp: 163515
Ion Ratio Lower Upper
45 100
43 71.4 57.7 86.5
87 22.2 18.5 27.7
59 10.8 8.8 13.2

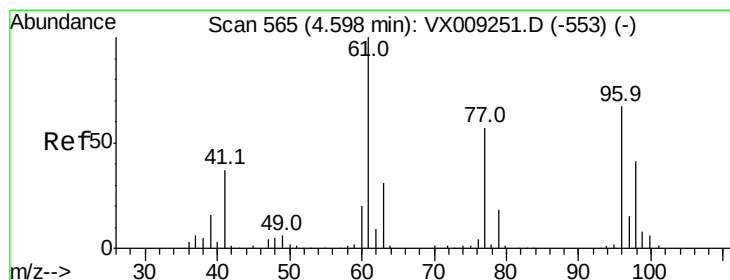
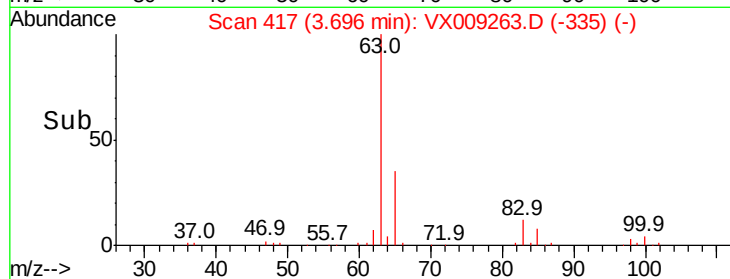
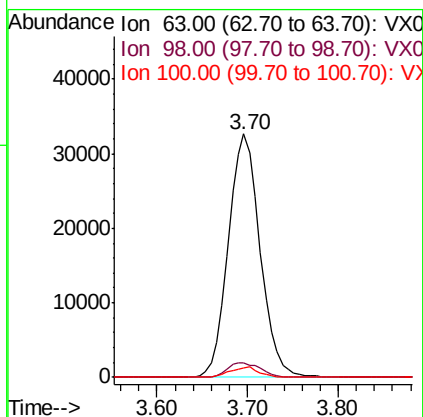
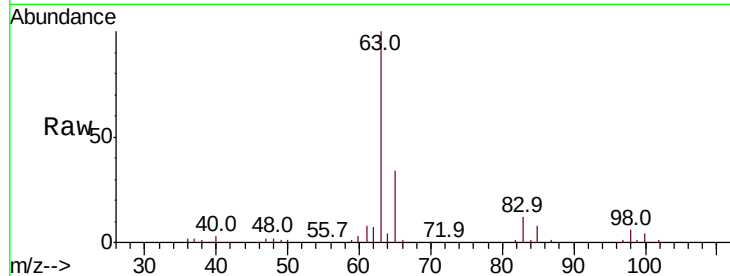




#21
 1,1-Dichloroethane
 Concen: 20.261 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

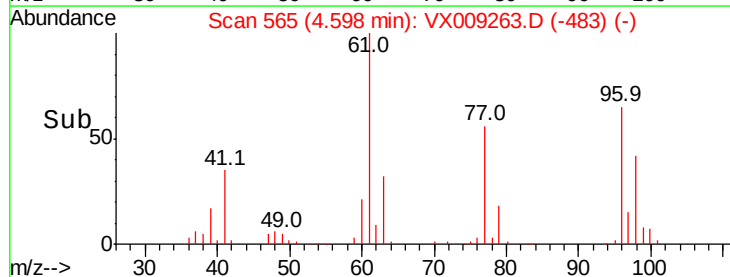
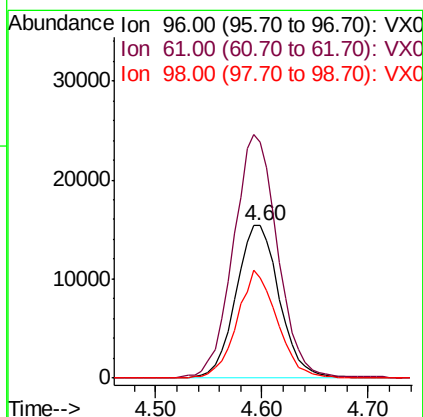
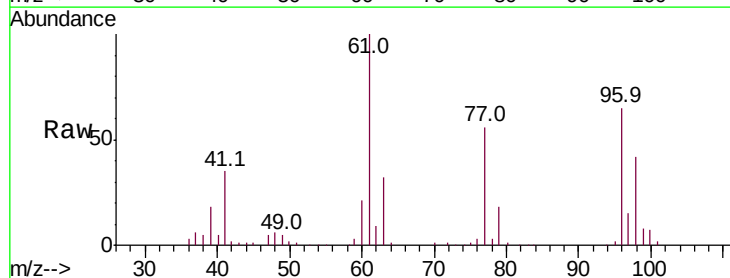
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

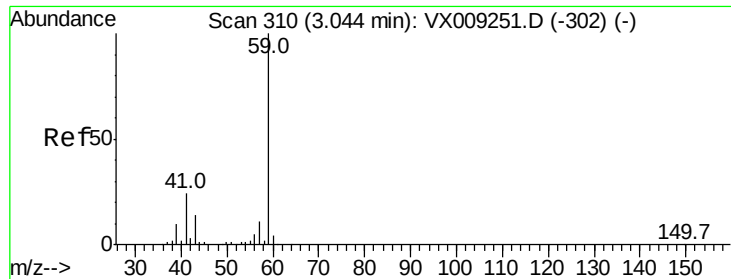
Tot Ion: 63 Resp: 79120
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.1 9.3
 100 4.1 2.2 6.6



#22
 cis-1,2-Dichloroethene
 Concen: 20.022 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion: 96 Resp: 43887
 Ion Ratio Lower Upper
 96 100
 61 162.7 127.7 191.5
 98 65.5 50.5 75.7





#23

tert-Butyl Alcohol

Concen: 101.224 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

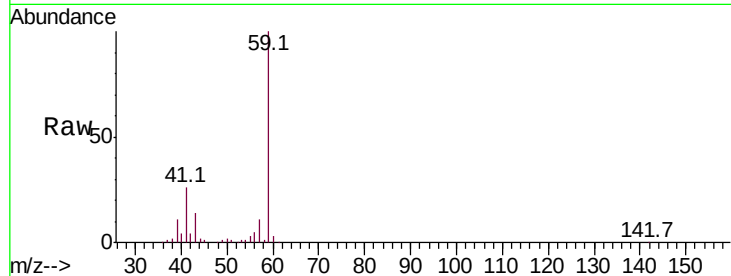
VSTDCCC020EC

Tot Ion: 59 Resp: 59715

Ion Ratio Lower Upper

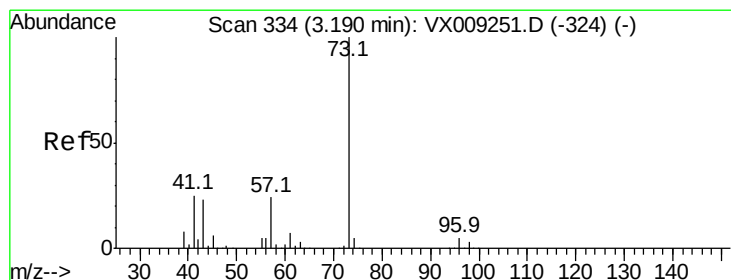
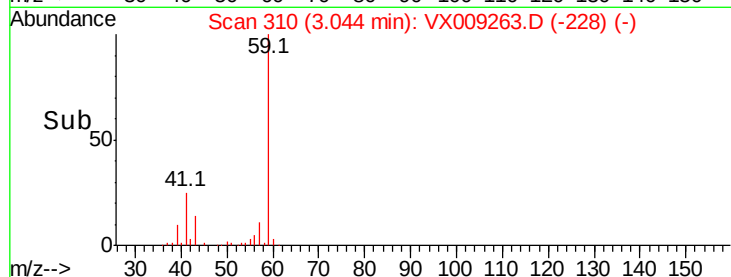
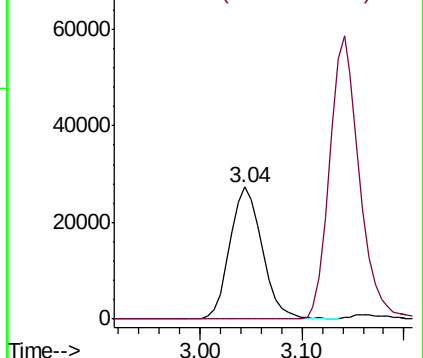
59 100

52 0.2 0.2 0.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 20.255 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.00 min

Lab File: VX009263.D

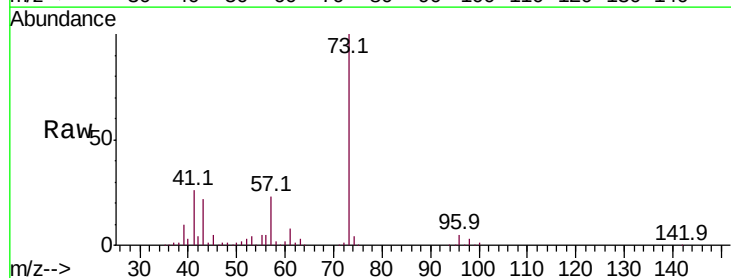
Acq: 01 May 2019 18:47

Tgt Ion: 73 Resp: 135288

Ion Ratio Lower Upper

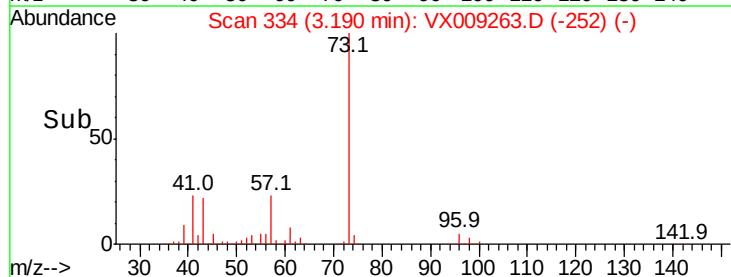
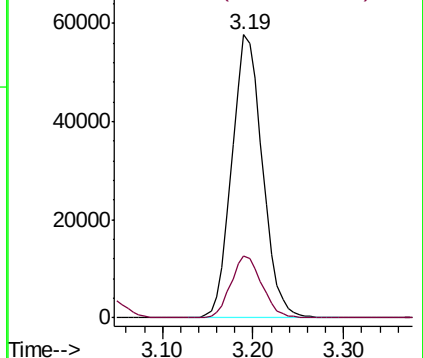
73 100

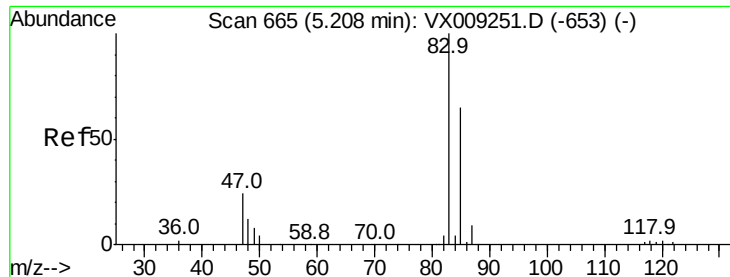
43 22.2 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

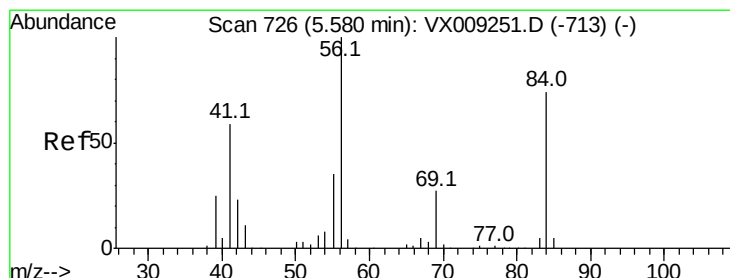
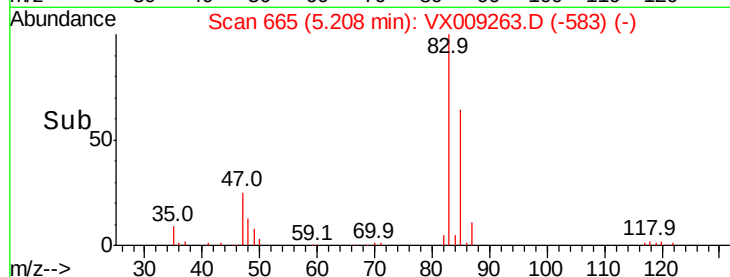
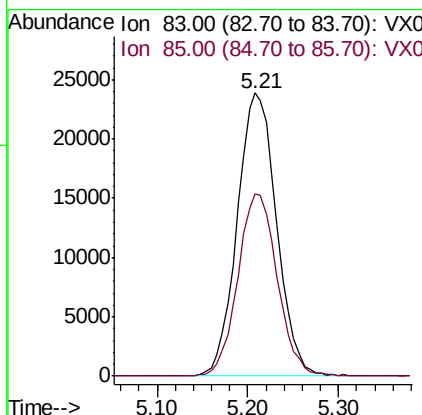
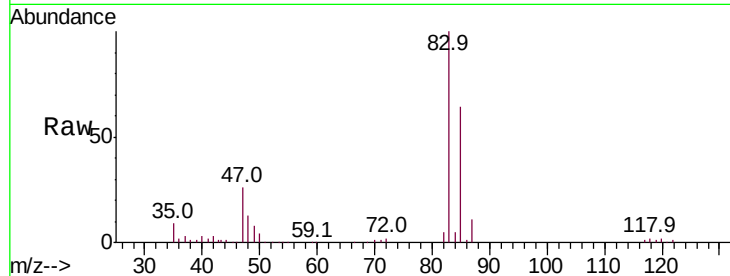




#25
Chloroform
Concen: 20.186 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

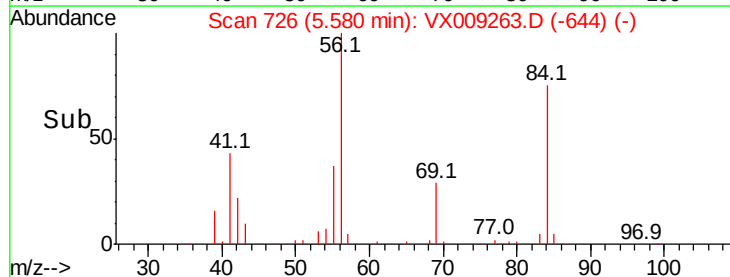
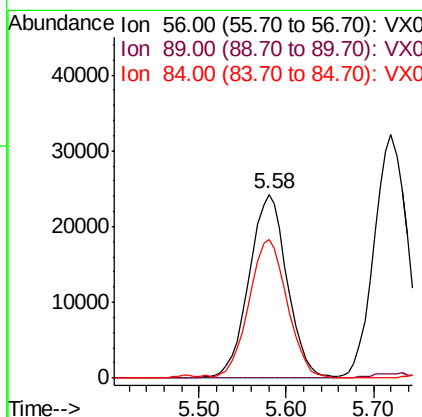
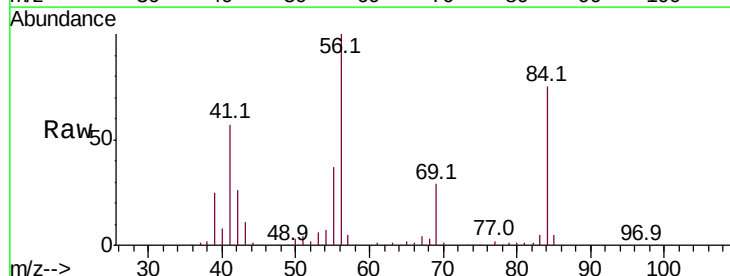
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

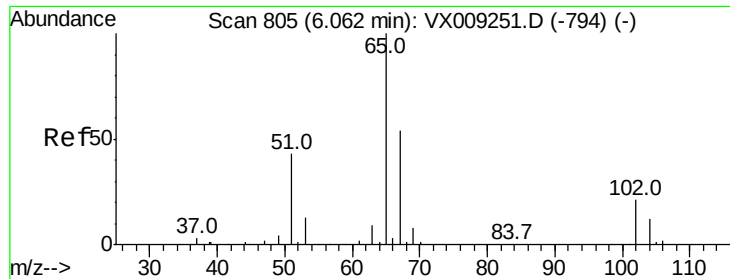
Tot Ion: 83 Resp: 71933
Ion Ratio Lower Upper
83 100
85 64.3 51.9 77.9



#26
Cyclohexane
Concen: 20.164 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion: 56 Resp: 73385
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.0 59.7 89.5

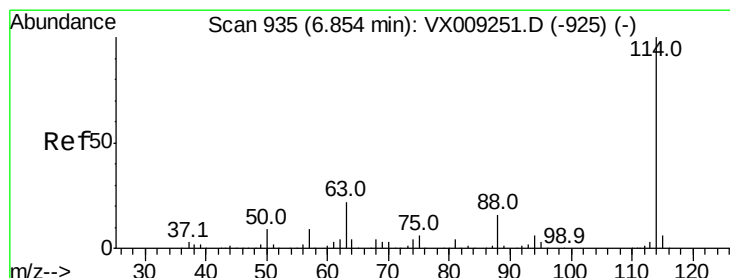
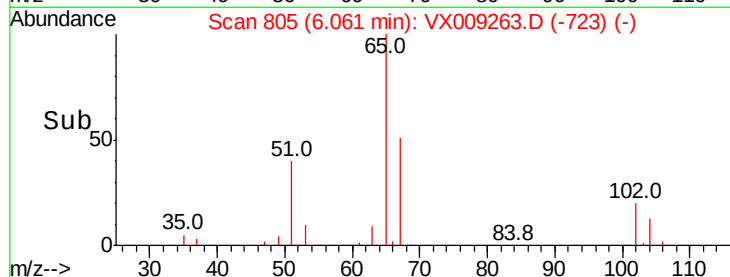
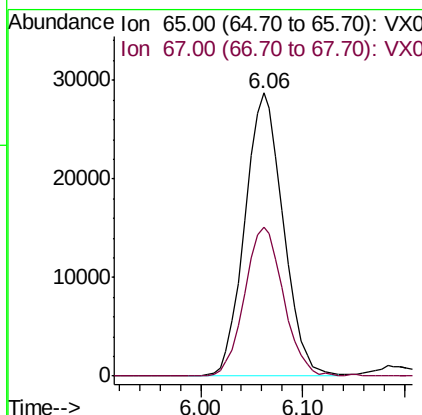
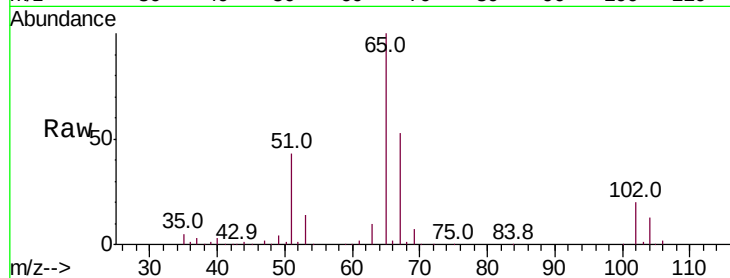




#27
 1,2-Dichloroethane-d4
 Concen: 28.983 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

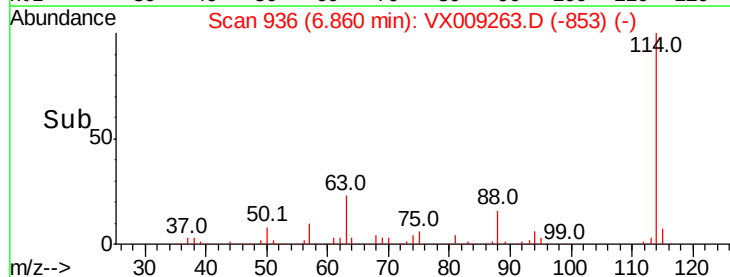
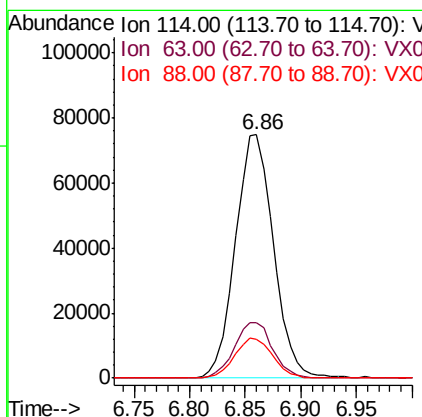
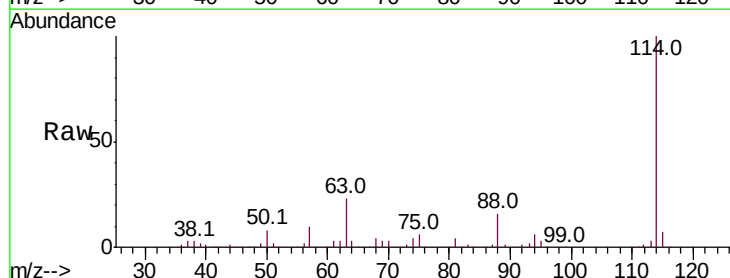
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

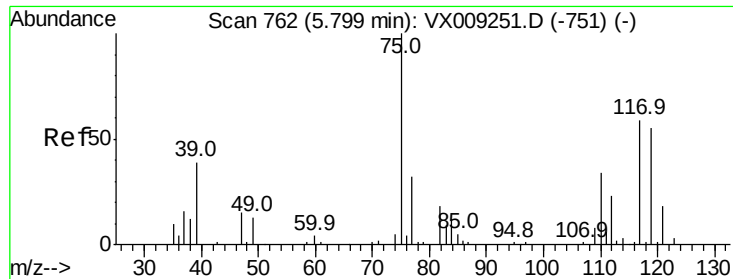
Tot Ion: 65 Resp: 75022
 Ion Ratio Lower Upper
 65 100
 67 53.2 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion:114 Resp: 178003
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.0 27.0
 88 16.4 13.4 20.0





#29

1,1-Dichloropropene

Concen: 20.351 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

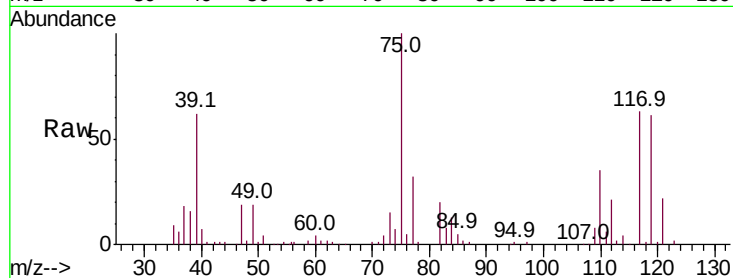
Tot Ion: 75 Resp: 53154

Ion Ratio Lower Upper

75 100

110 34.5 0.0 66.4

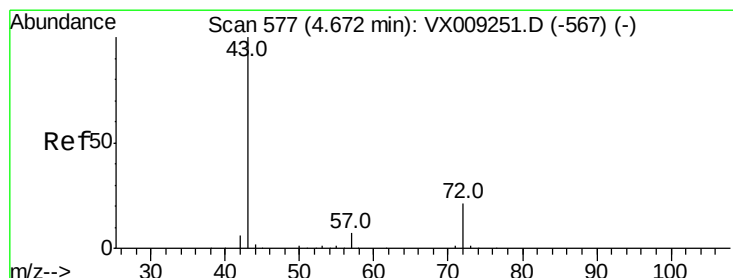
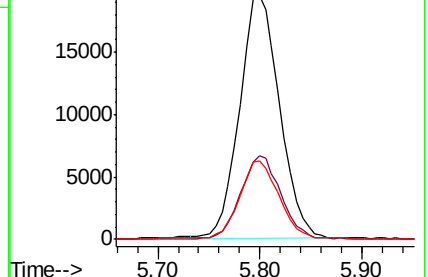
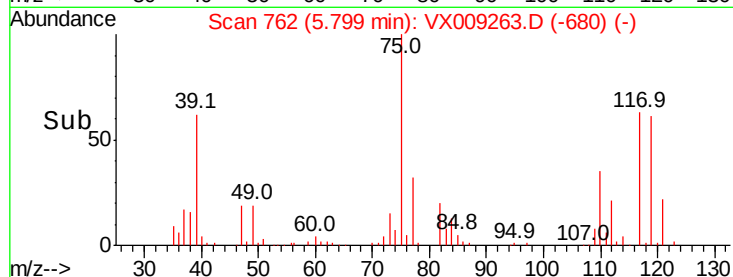
77 32.1 0.0 62.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 105.169 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

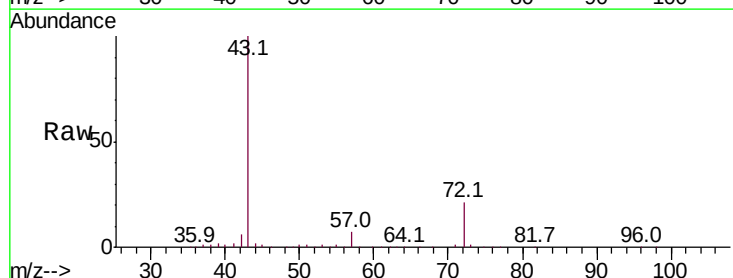
Tgt Ion: 43 Resp: 215123

Ion Ratio Lower Upper

43 100

57 7.6 6.0 9.0

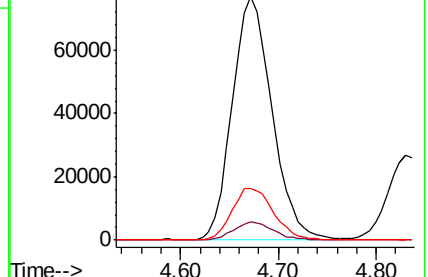
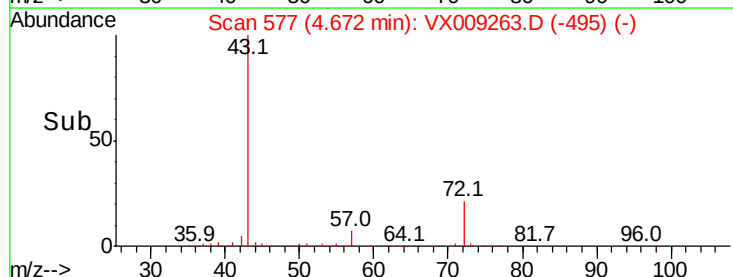
72 22.2 18.2 27.4

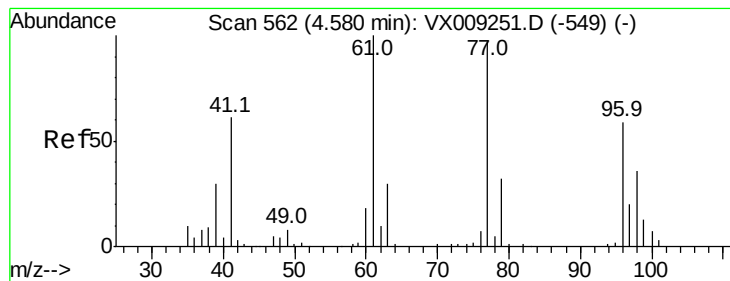


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 19.937 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

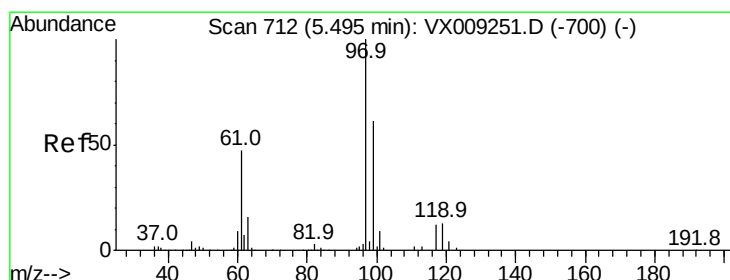
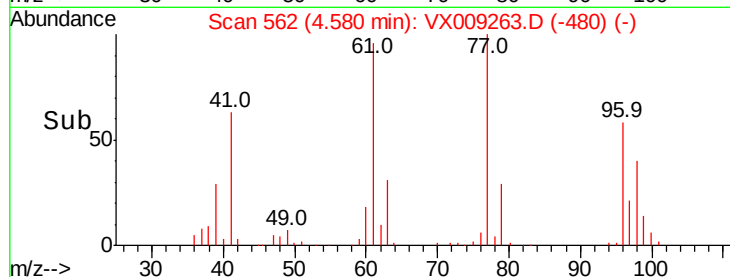
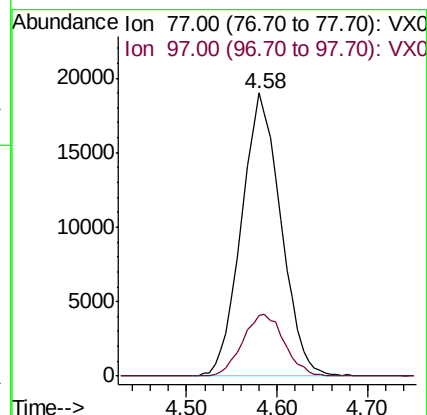
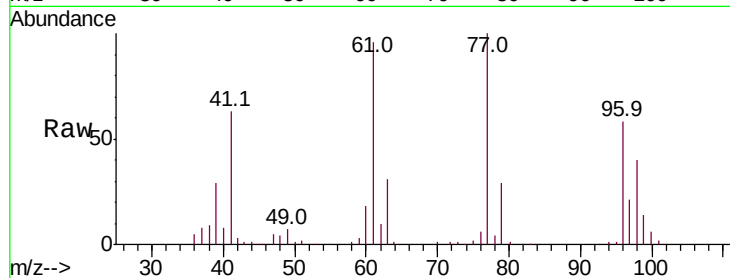
VSTDCCC020EC

Tot Ion: 77 Resp: 57407

Ion Ratio Lower Upper

77 100

97 23.0 18.3 27.5



#32

1,1,1-Trichloroethane

Concen: 20.903 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

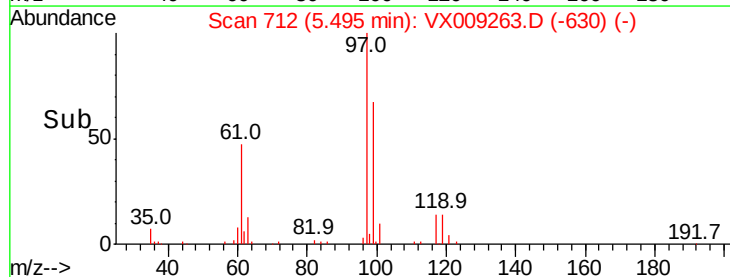
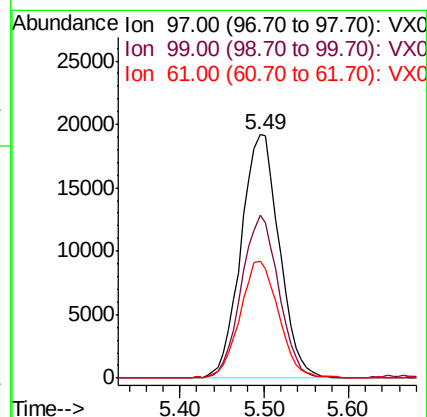
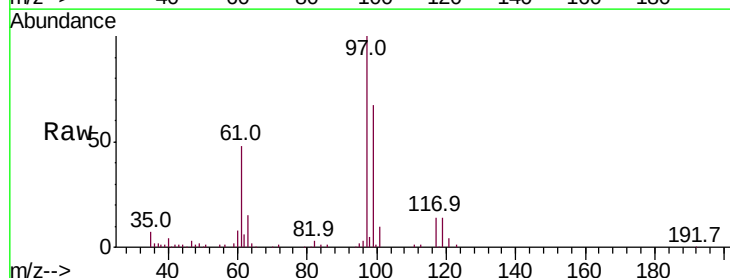
Tgt Ion: 97 Resp: 59185

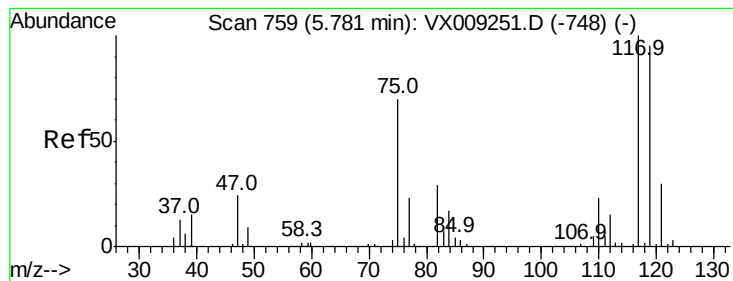
Ion Ratio Lower Upper

97 100

99 65.2 53.9 80.9

61 48.2 38.6 58.0





#33

Carbon Tetrachloride

Concen: 20.311 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

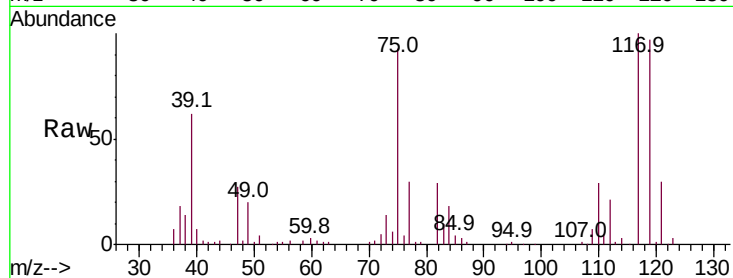
Tot Ion:117 Resp: 48117

Ion Ratio Lower Upper

117 100

119 96.6 76.1 114.1

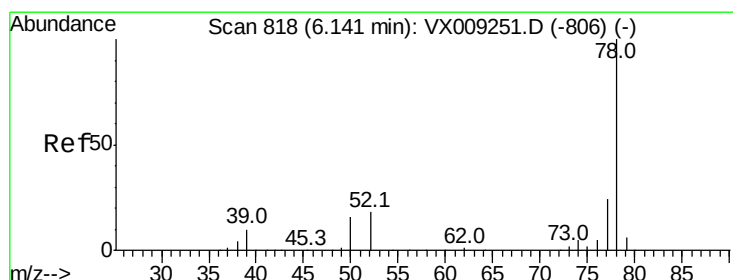
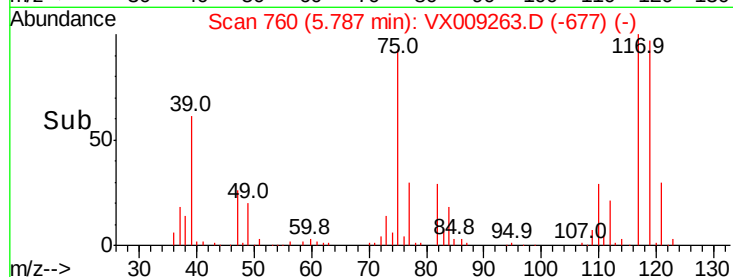
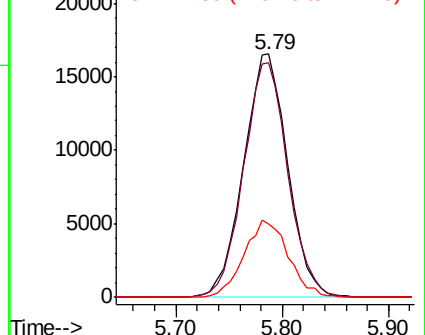
121 30.4 24.4 36.6



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: 21.129 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

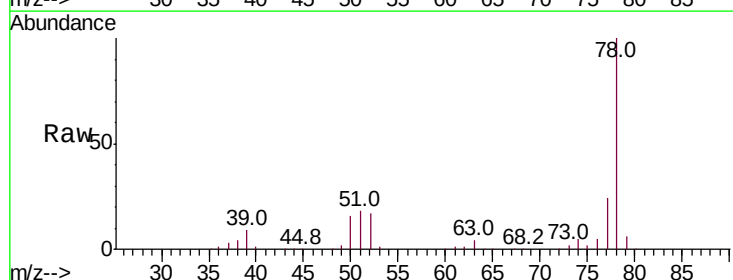
Tgt Ion: 78 Resp: 170137

Ion Ratio Lower Upper

78 100

77 23.9 18.8 28.2

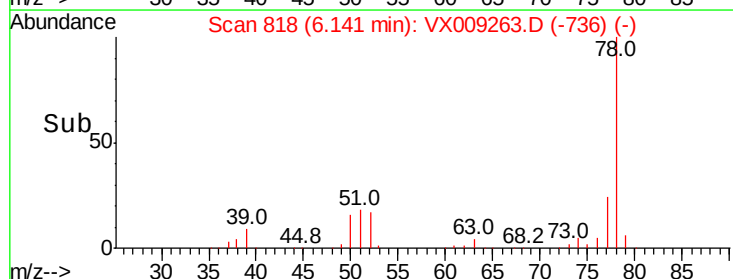
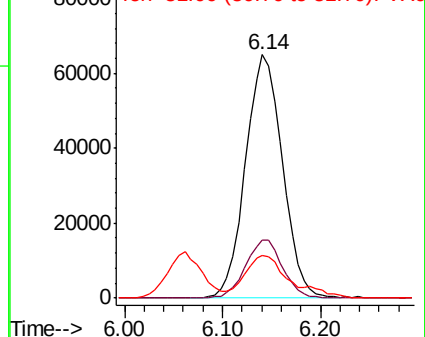
51 16.5 13.5 20.3

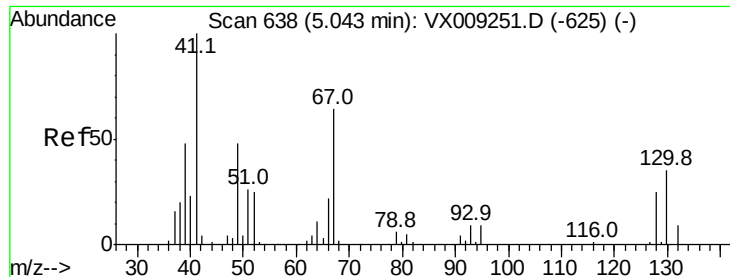


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

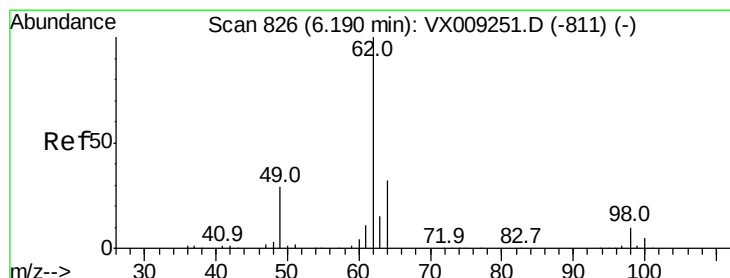
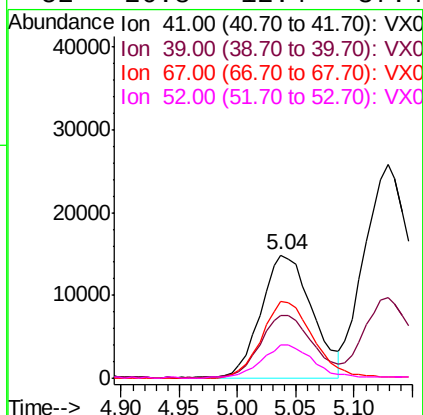
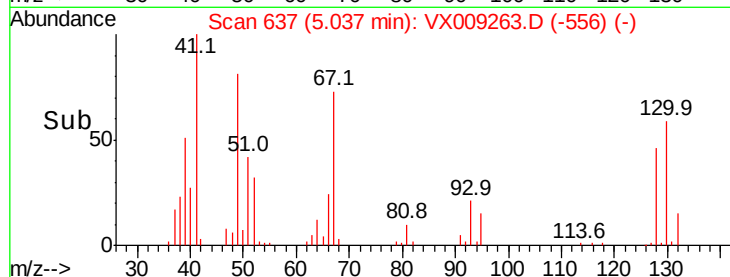
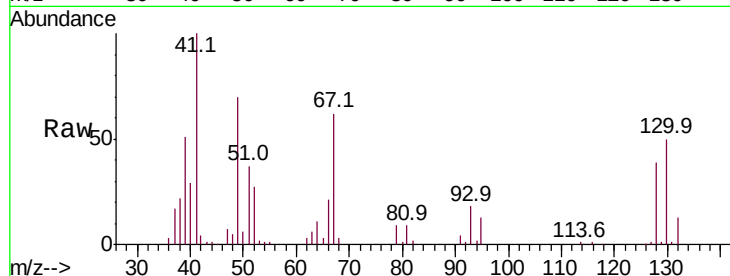




#35
Methacrylonitrile
Concen: 20.909 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

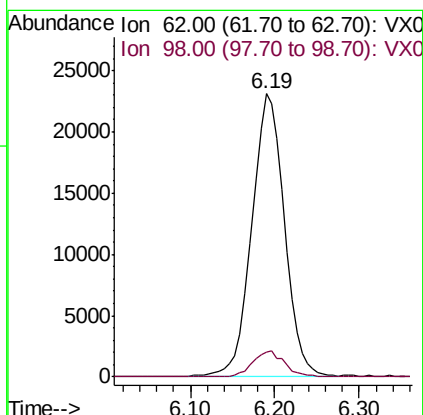
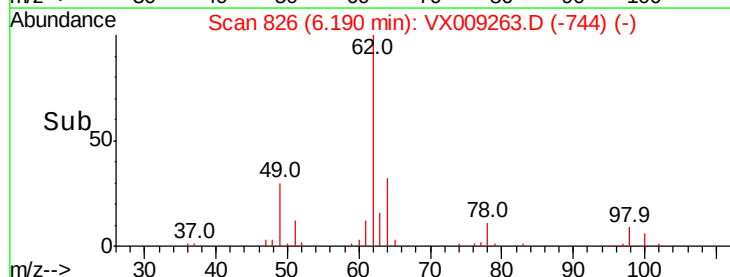
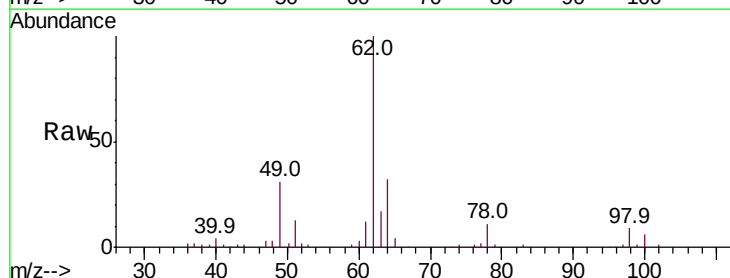
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

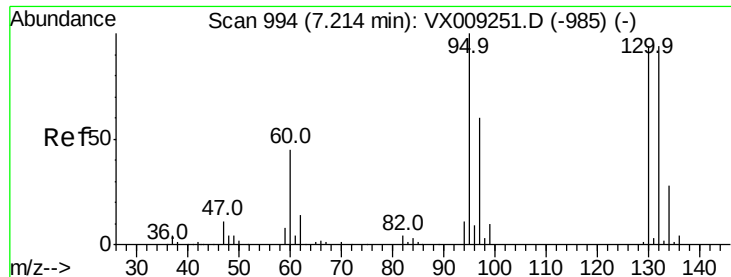
Tot Ion: 41 Resp: 44748
Ion Ratio Lower Upper
41 100
39 50.7 24.1 72.3
67 62.4 32.2 96.6
52 26.8 12.4 37.4



#36
1,2-Dichloroethane
Concen: 21.000 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion: 62 Resp: 61358
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.2

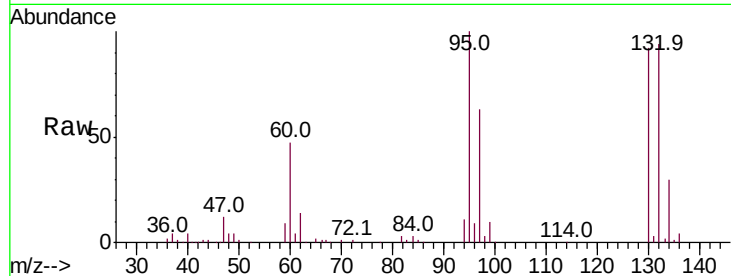




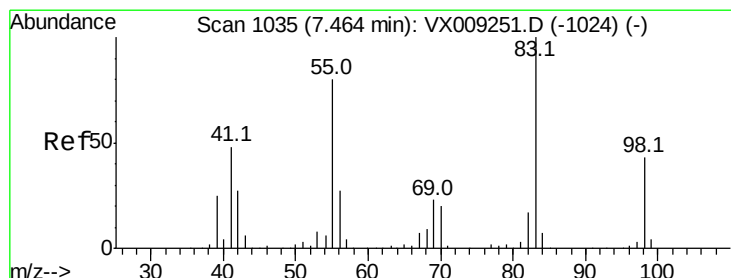
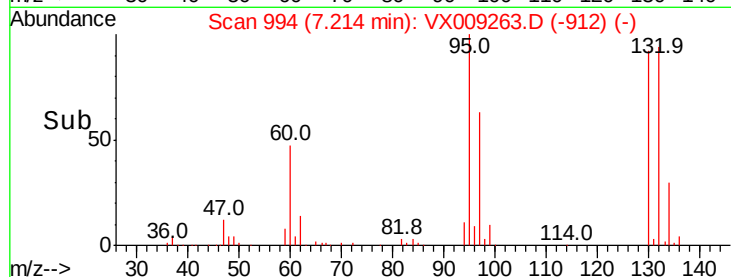
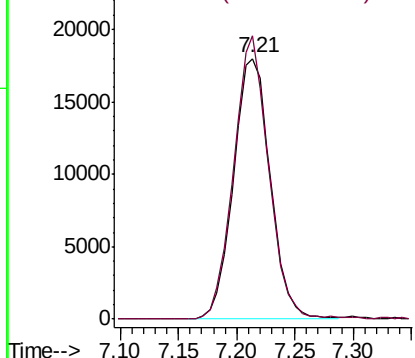
#37
 Trichloroethene
 Concen: 20.501 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 39739
 Ion Ratio Lower Upper
 130 100
 95 108.5 85.0 127.4

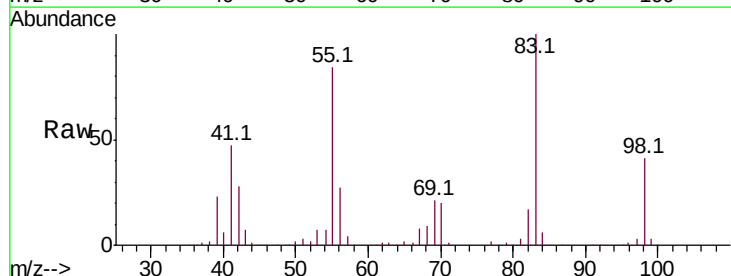


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

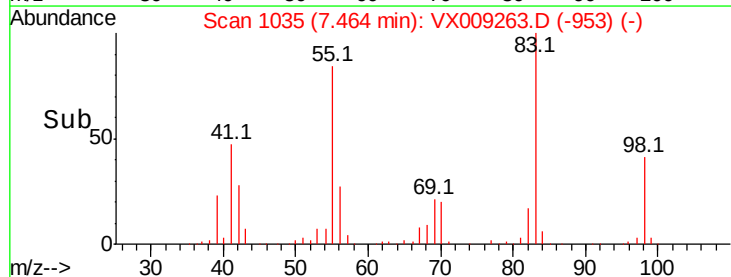
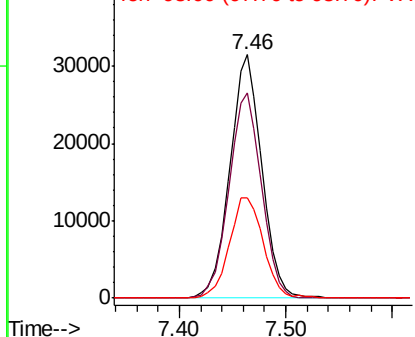


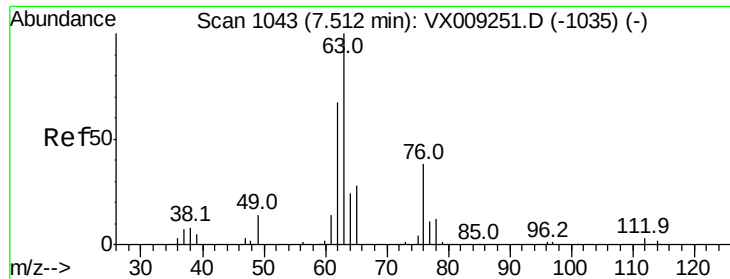
#38
 Methylcyclohexane
 Concen: 20.490 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion: 83 Resp: 66119
 Ion Ratio Lower Upper
 83 100
 55 85.7 43.0 129.2
 98 44.0 22.1 66.1



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0

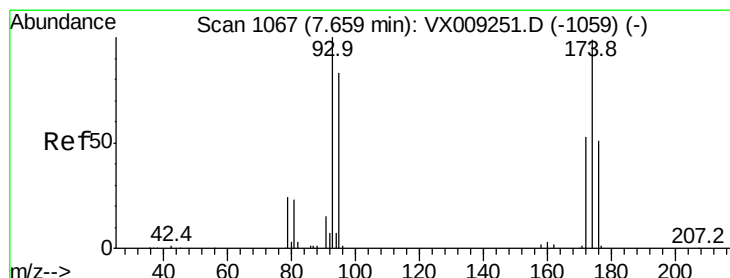
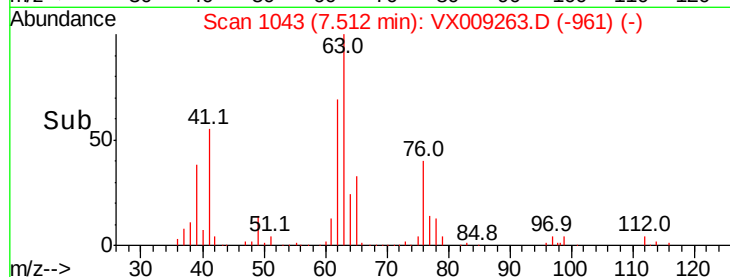
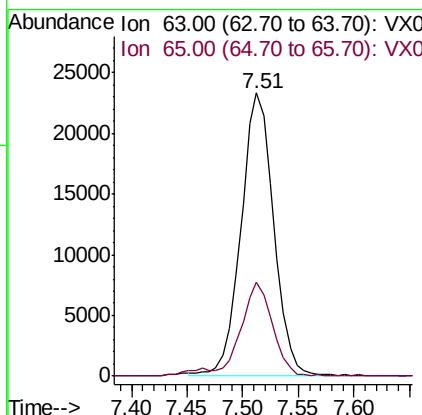
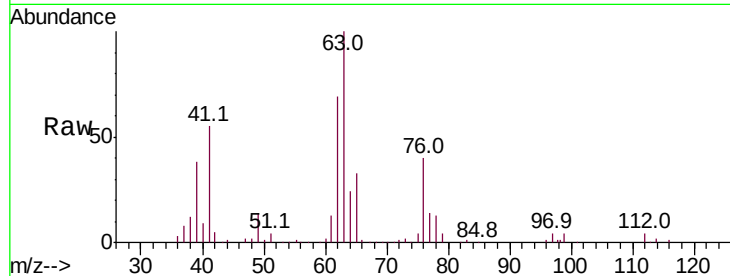




#39
 1,2-Dichloropropane
 Concen: 20.512 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

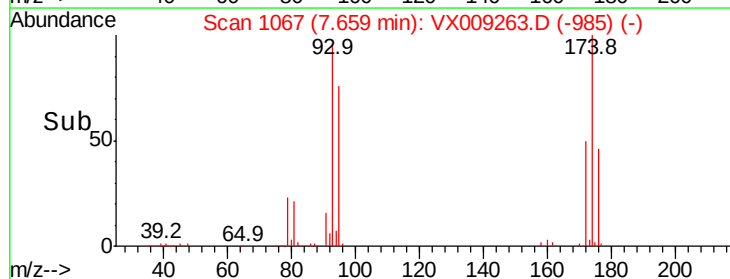
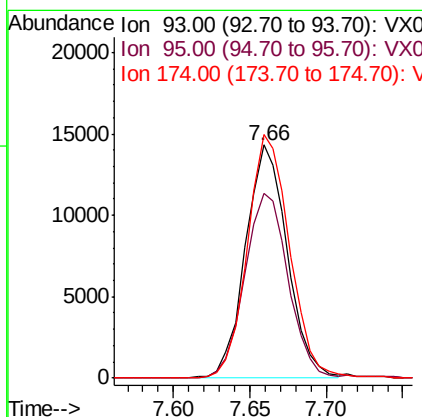
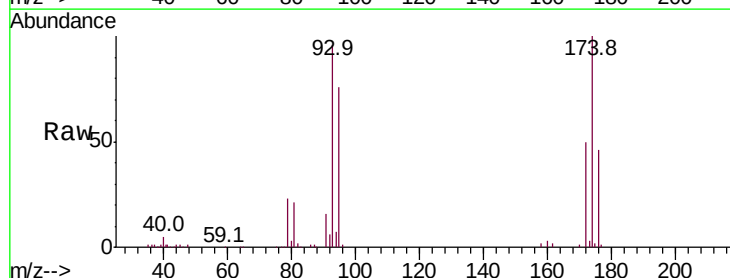
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

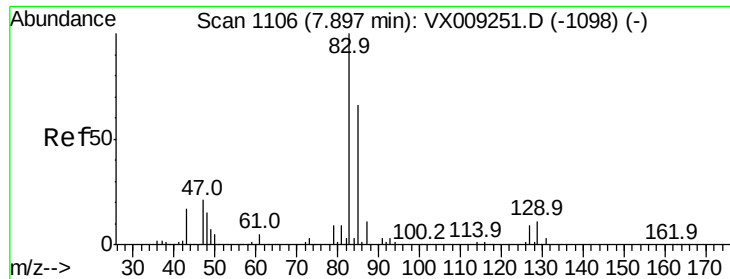
Tot Ion: 63 Resp: 47035
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.0 36.0



#40
 Dibromomethane
 Concen: 20.946 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion: 93 Resp: 27261
 Ion Ratio Lower Upper
 93 100
 95 82.6 0.0 167.2
 174 105.2 0.0 203.4





#41

Bromodichloromethane

Concen: 20.277 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

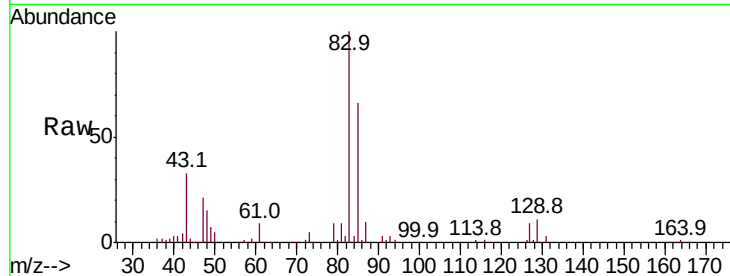
Tot Ion: 83 Resp: 53906

Ion Ratio Lower Upper

83 100

85 65.7 52.6 79.0

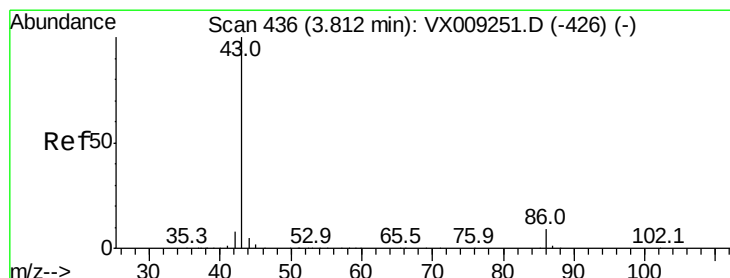
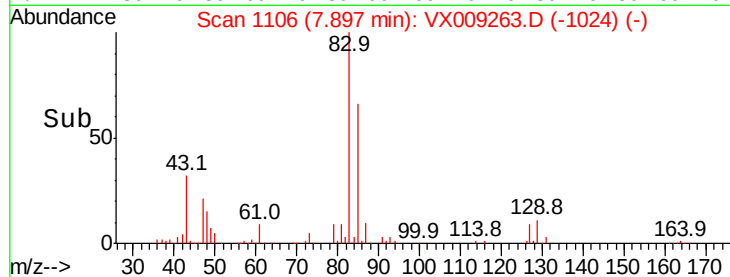
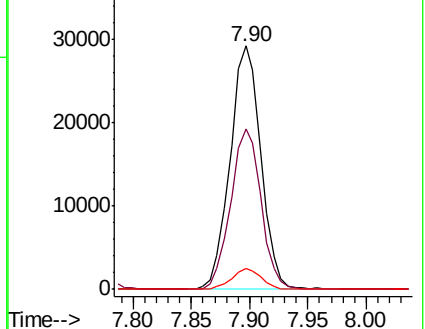
127 8.6 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 105.708 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009263.D

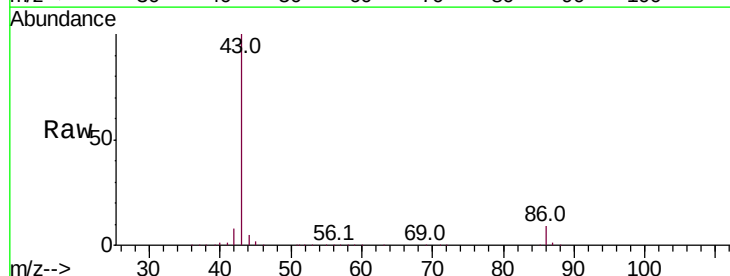
Acq: 01 May 2019 18:47

Tgt Ion: 43 Resp: 713641

Ion Ratio Lower Upper

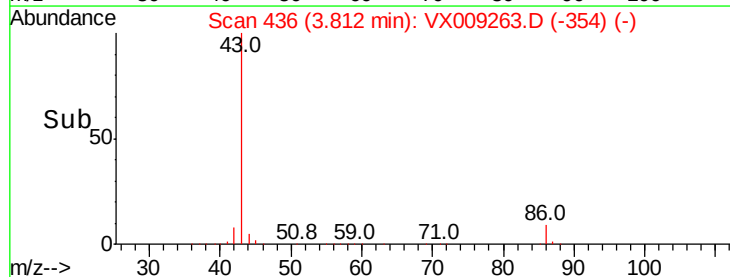
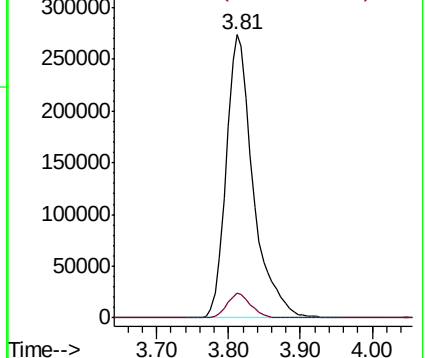
43 100

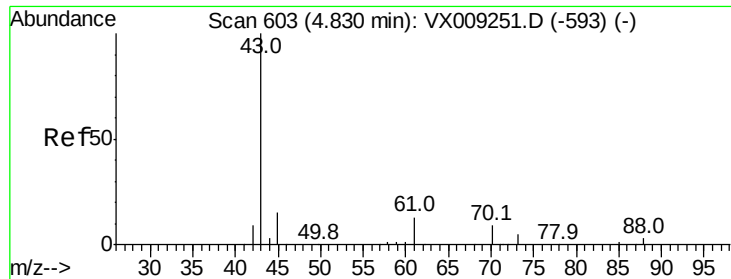
86 7.7 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 21.194 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

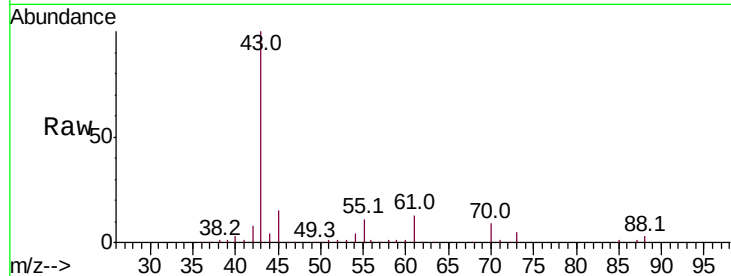
VSTDCCC020EC

Tot Ion: 43 Resp: 78336

Ion Ratio Lower Upper

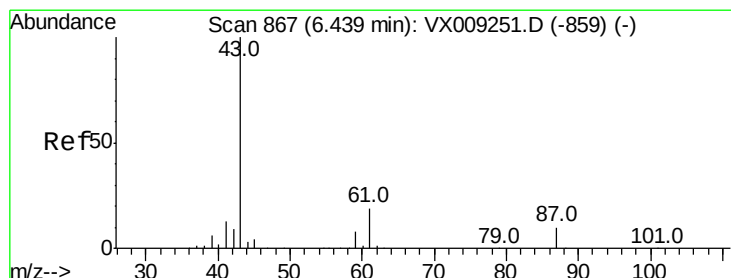
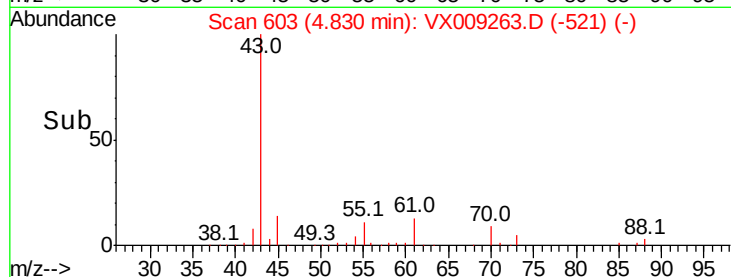
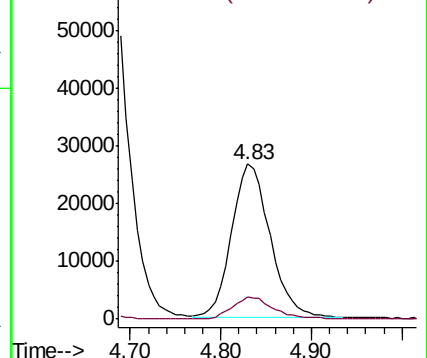
43 100

45 15.7 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 20.892 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX009263.D

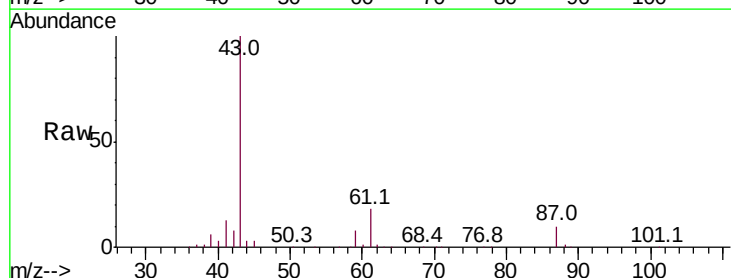
Acq: 01 May 2019 18:47

Tgt Ion: 43 Resp: 125099

Ion Ratio Lower Upper

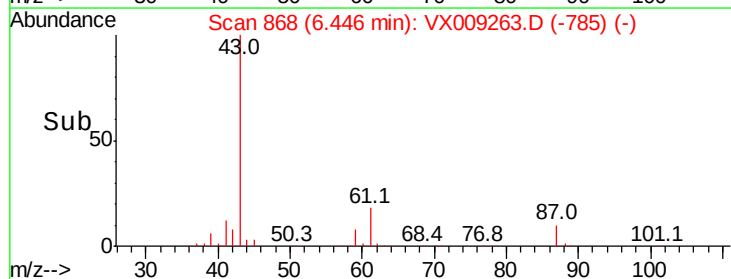
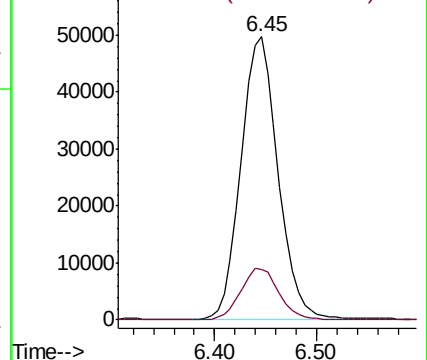
43 100

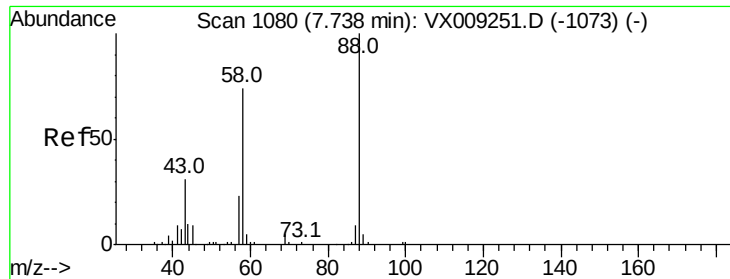
61 18.6 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 424.903 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

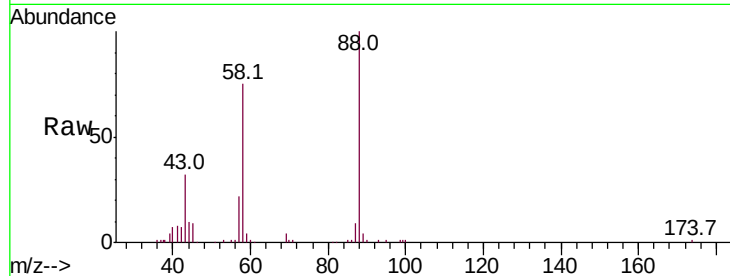
Tot Ion: 88 Resp: 24979

Ion Ratio Lower Upper

88 100

43 36.6 28.5 42.7

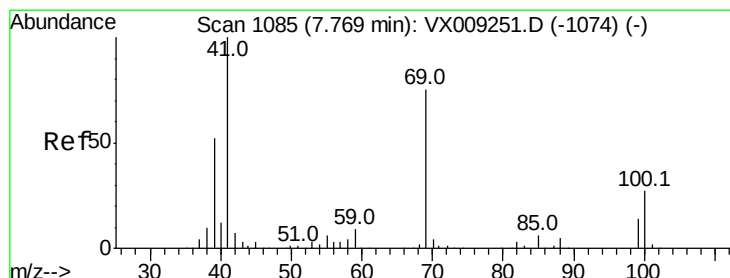
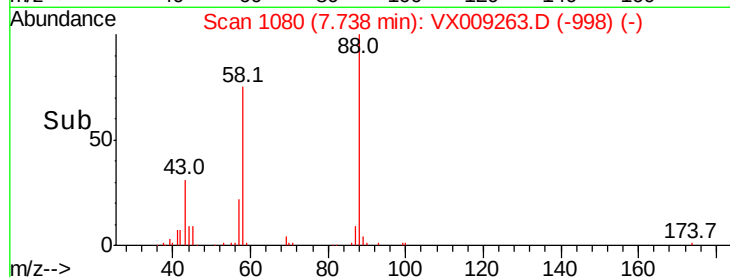
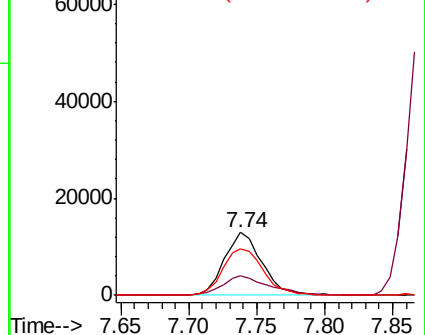
58 79.8 62.5 93.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 20.441 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

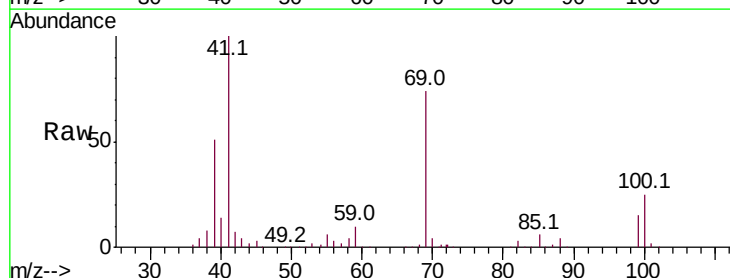
Tgt Ion: 41 Resp: 61090

Ion Ratio Lower Upper

41 100

69 74.4 37.6 112.8

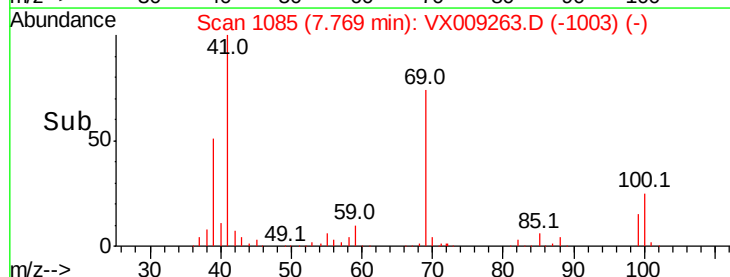
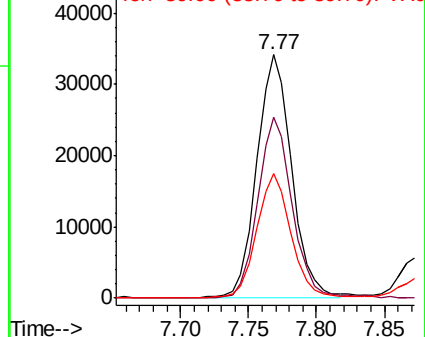
39 50.9 25.8 77.3

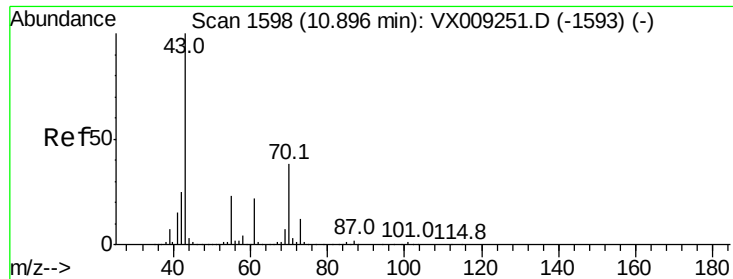


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 20.209 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

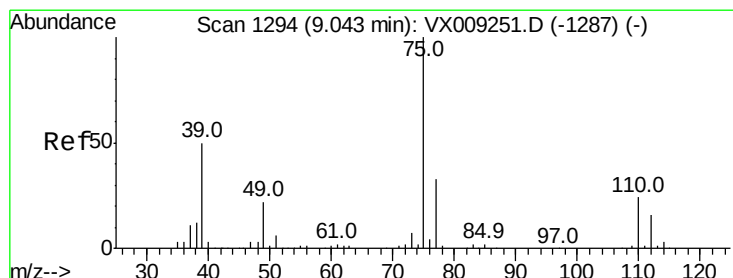
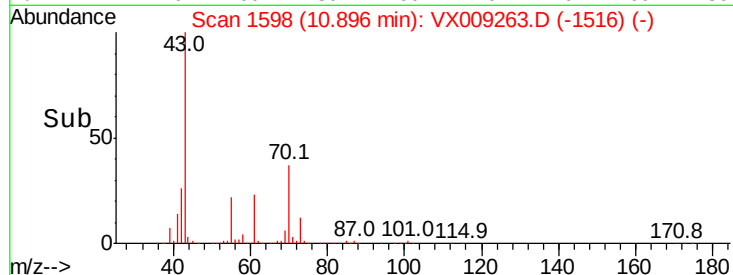
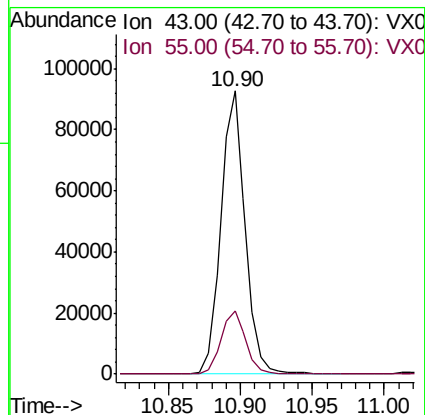
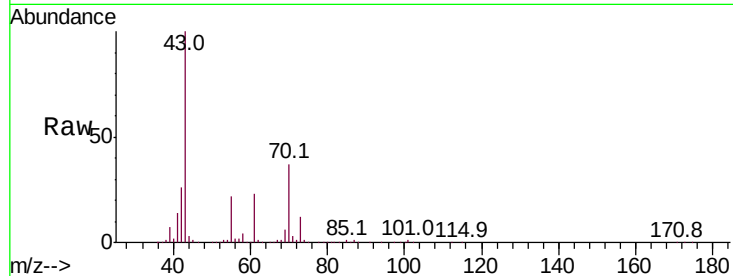
VSTDCCC020EC

Tot Ion: 43 Resp: 109006

Ion Ratio Lower Upper

43 100

55 22.9 18.2 27.4



#48

t-1,3-Dichloropropene

Concen: 20.328 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009263.D

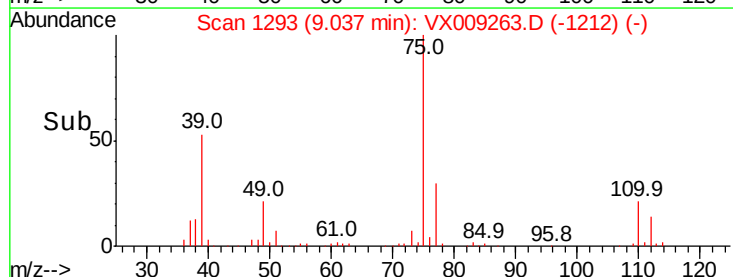
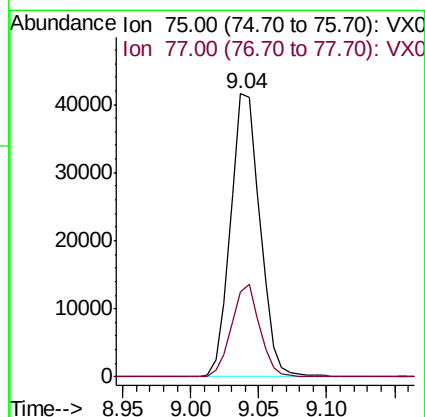
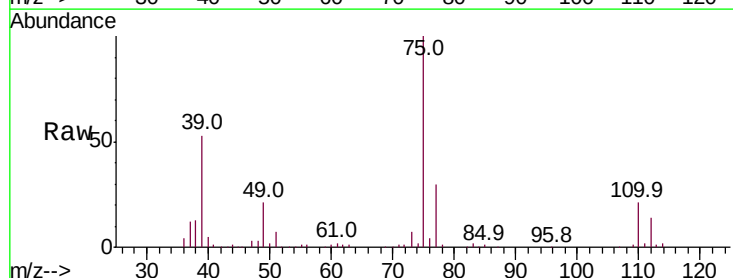
Acq: 01 May 2019 18:47

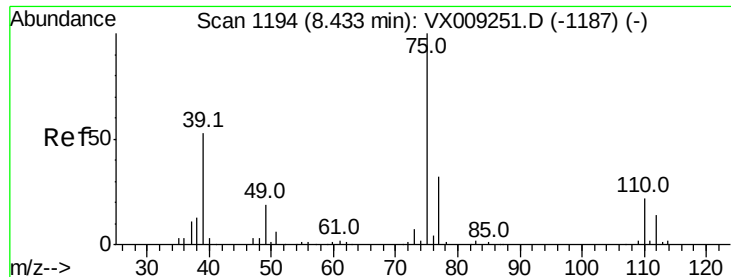
Tgt Ion: 75 Resp: 63054

Ion Ratio Lower Upper

75 100

77 30.2 26.5 39.7



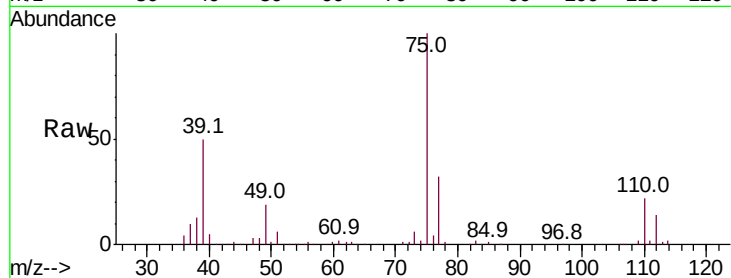


#49

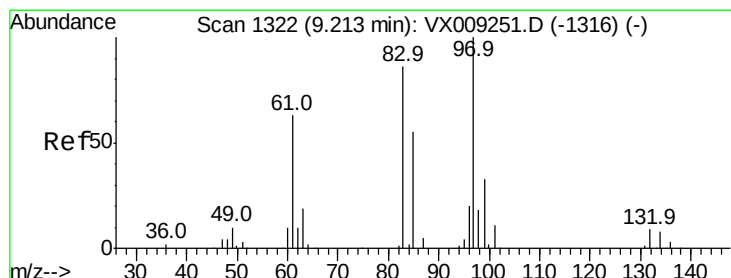
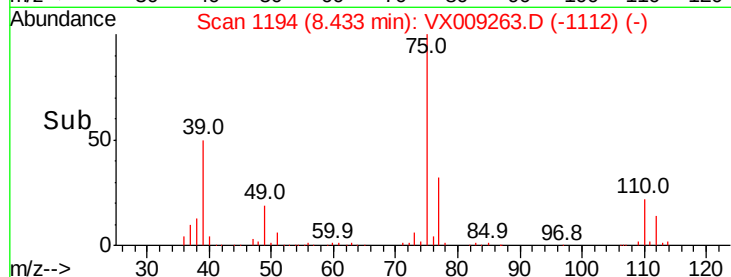
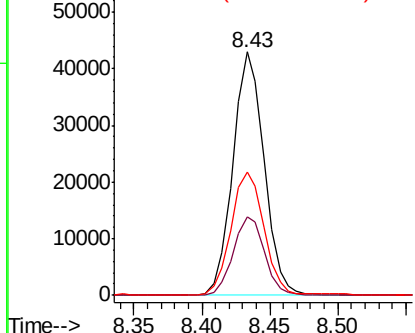
cis-1,3-Dichloropropene
 Concen: 20.163 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 75 Resp: 68659
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.0 39.0
 39 50.2 42.6 63.8



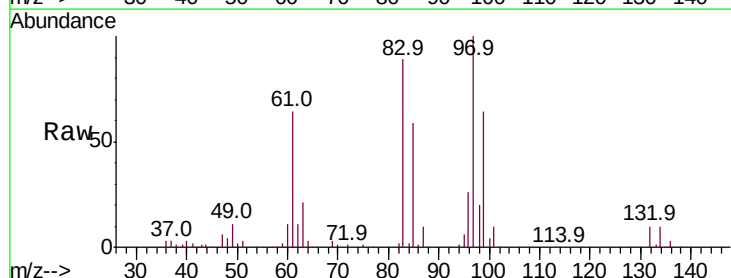
Abundance Ion 75.00 (74.70 to 75.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0



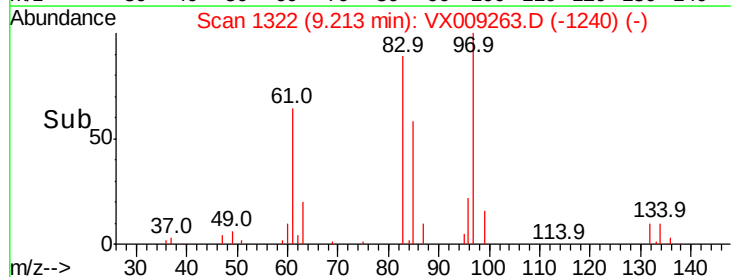
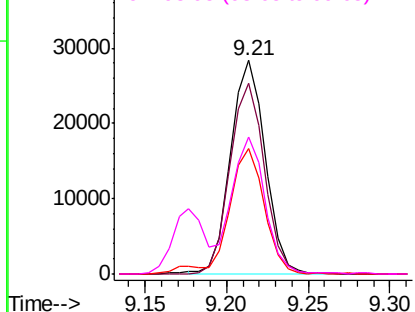
#50

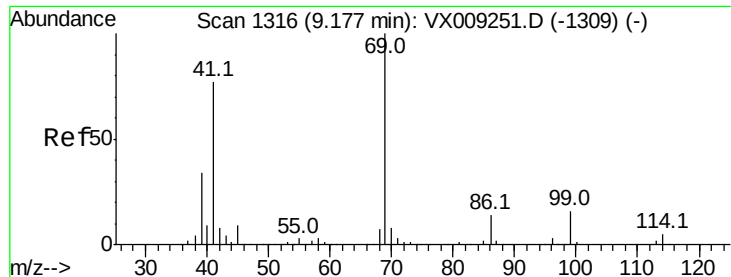
1,1,2-Trichloroethane
 Concen: 21.024 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion: 97 Resp: 41922
 Ion Ratio Lower Upper
 97 100
 83 88.9 68.8 103.2
 85 58.3 45.8 68.6
 99 64.1 50.0 75.0



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





#51

Ethyl methacrylate

Concen: 20.376 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

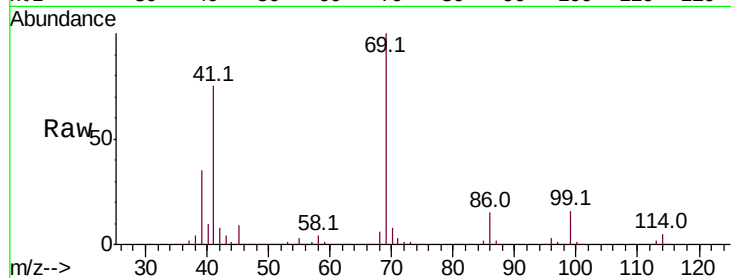
MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 69 Resp: 75080

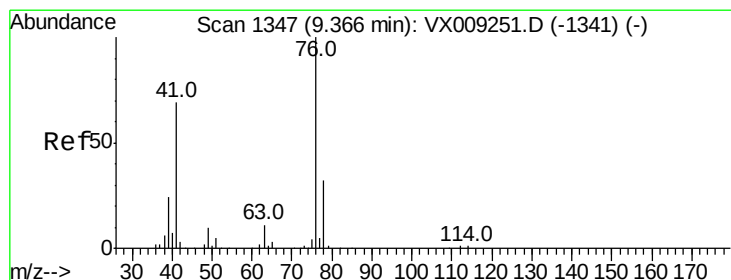
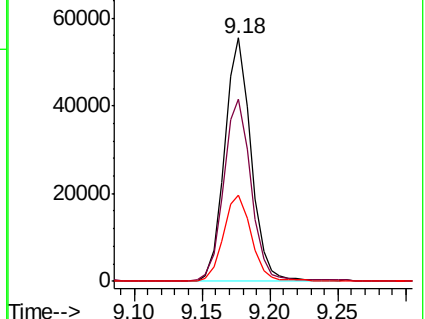
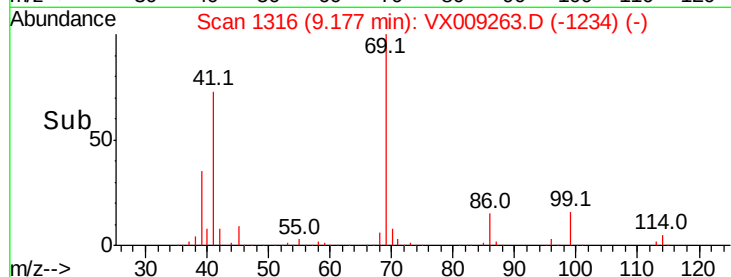
Ion	Ratio	Lower	Upper
69	100		
41	74.5	38.4	115.2
39	35.0	17.2	51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 21.010 ug/l

RT: 9.37 min Scan# 1348

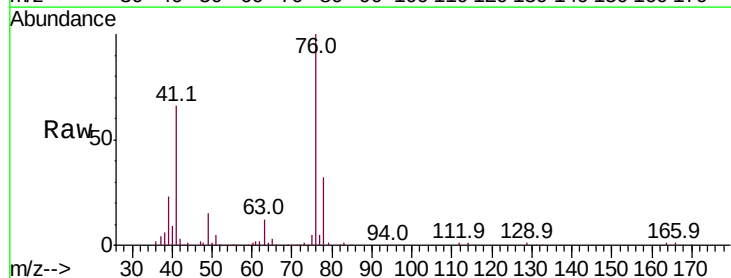
Delta R.T. 0.01 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

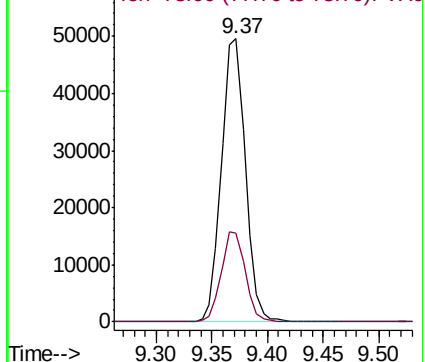
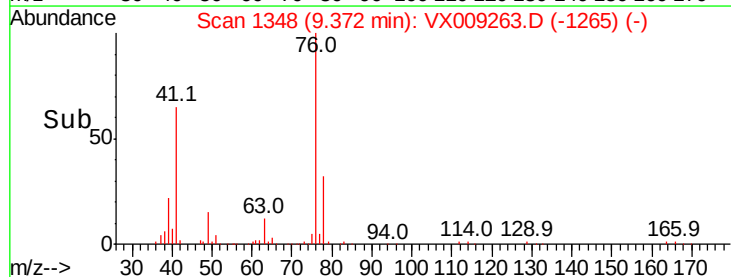
Tgt Ion: 76 Resp: 74350

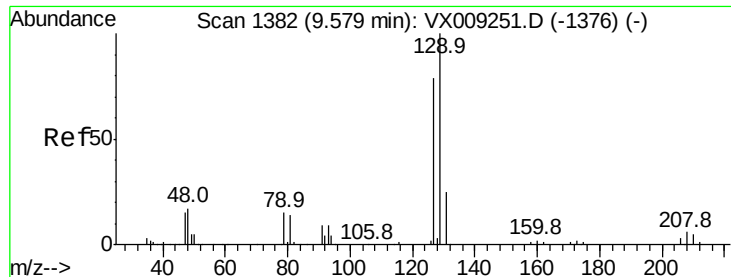
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 20.516 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

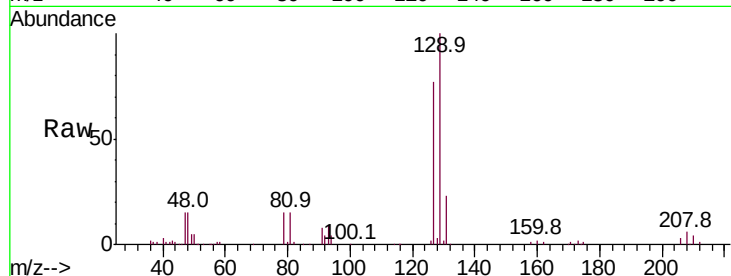
VSTDCCC020EC

Tot Ion:129 Resp: 40742

Ion Ratio Lower Upper

129 100

127 78.7 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

30000

20000

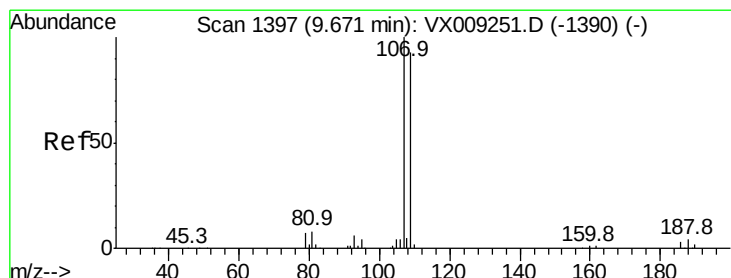
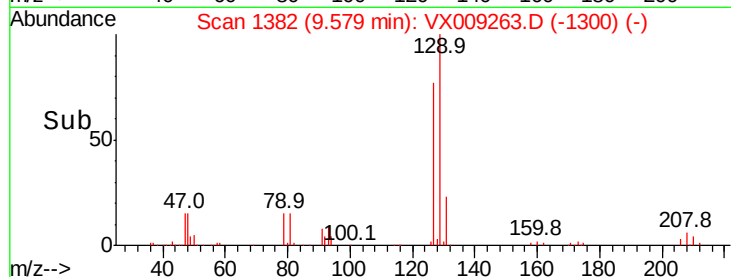
10000

0

9.58

9.55 9.60 9.65

Time-->



#54

1,2-Dibromoethane

Concen: 20.420 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009263.D

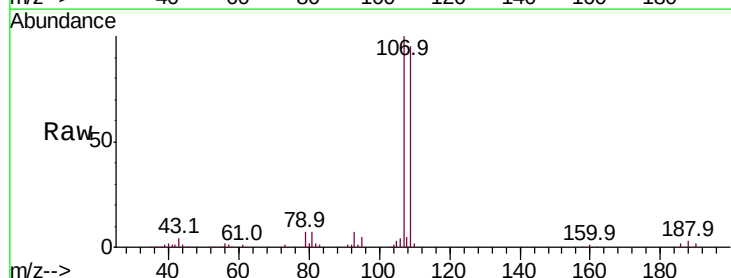
Acq: 01 May 2019 18:47

Tgt Ion:107 Resp: 41760

Ion Ratio Lower Upper

107 100

109 95.9 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

30000

20000

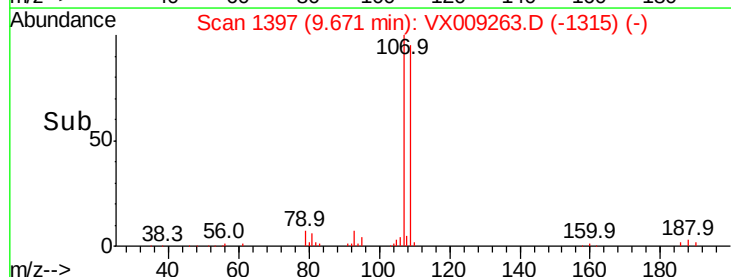
10000

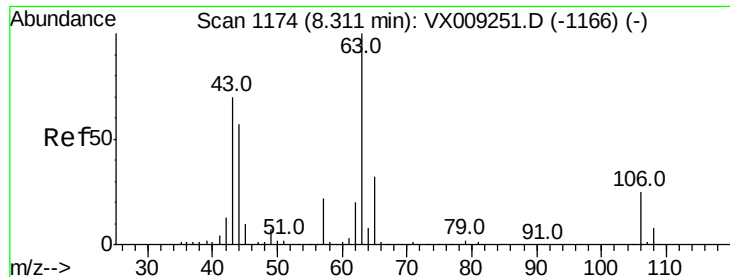
0

9.67

9.60 9.65 9.70 9.75

Time-->

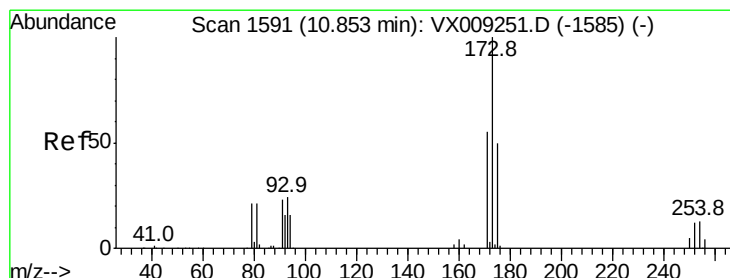
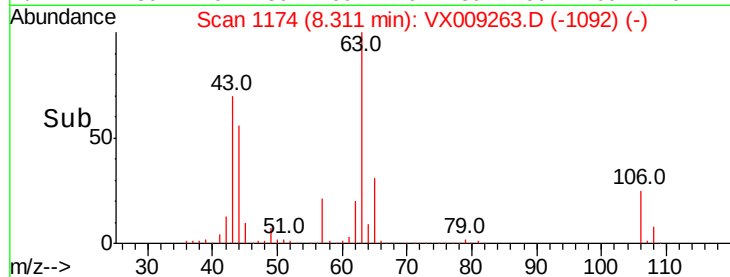
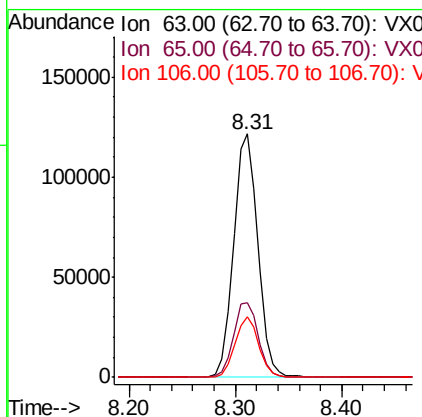
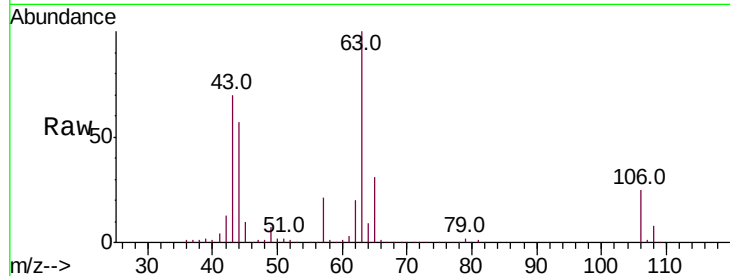




#55
2-Chloroethyl vinyl ether
Concen: 99.048 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

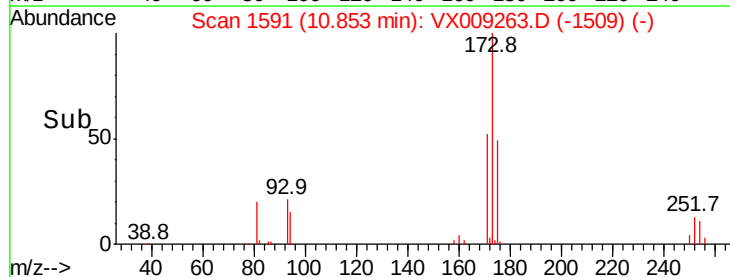
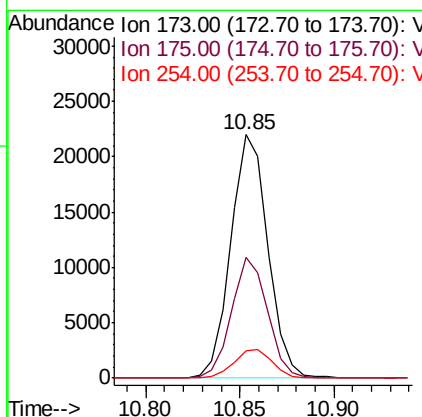
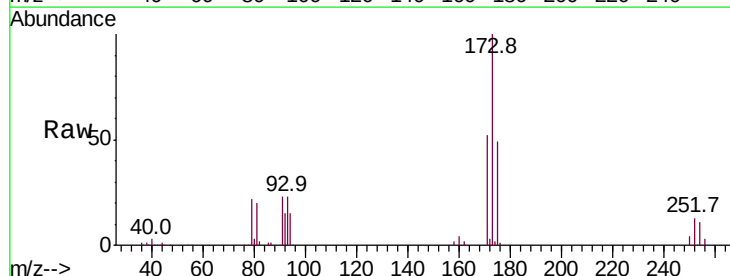
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

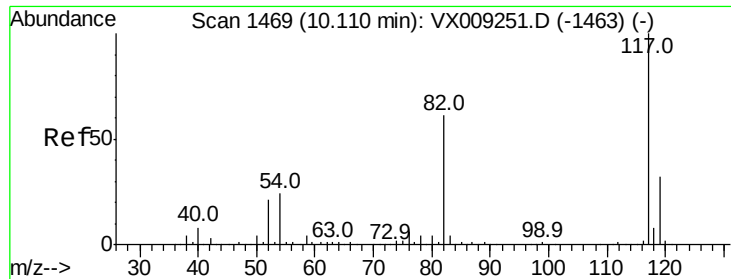
Tot Ion: 63 Resp: 194481
Ion Ratio Lower Upper
63 100
65 31.7 25.8 38.6
106 24.7 19.8 29.6



#56
Bromoform
Concen: 19.664 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion: 173 Resp: 29976
Ion Ratio Lower Upper
173 100
175 48.2 39.4 59.2
254 12.1 9.9 14.9

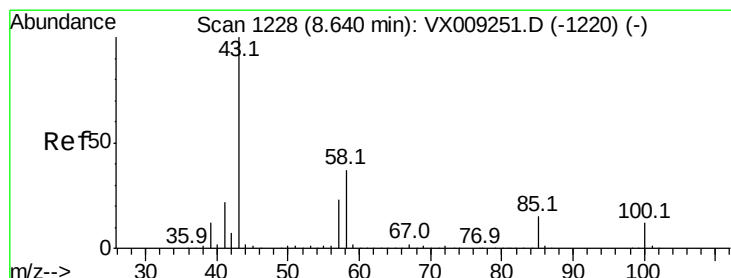
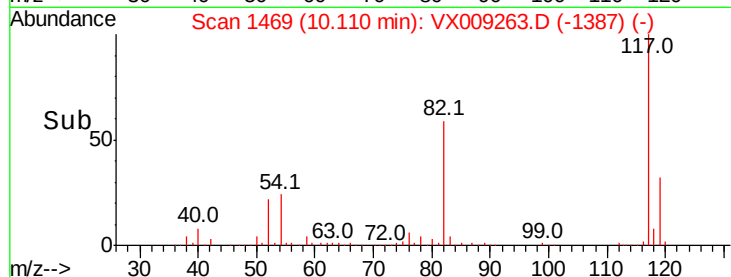
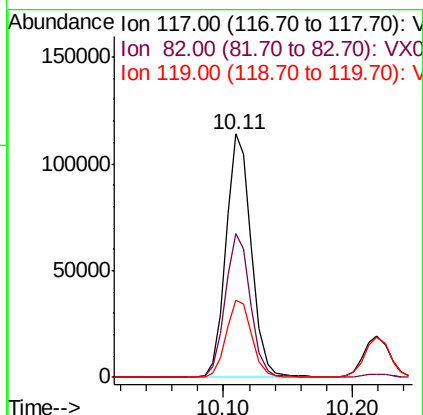
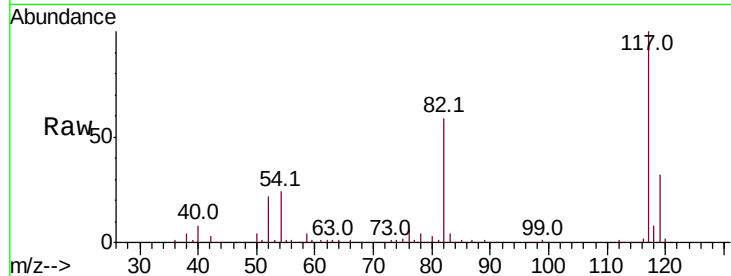




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

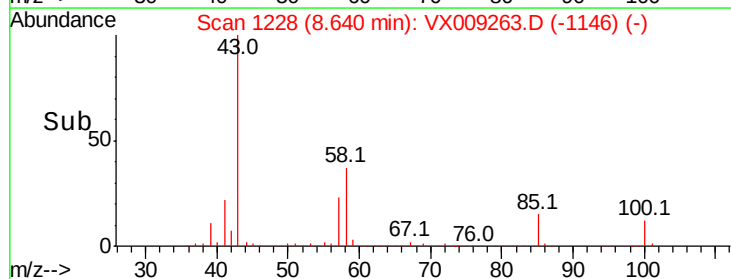
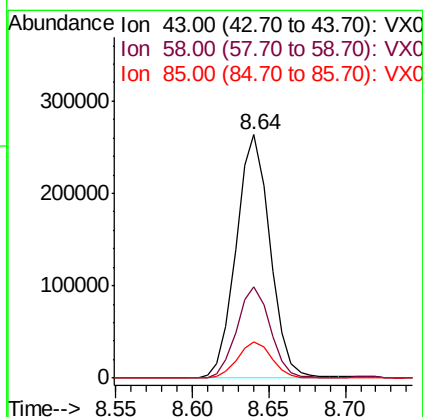
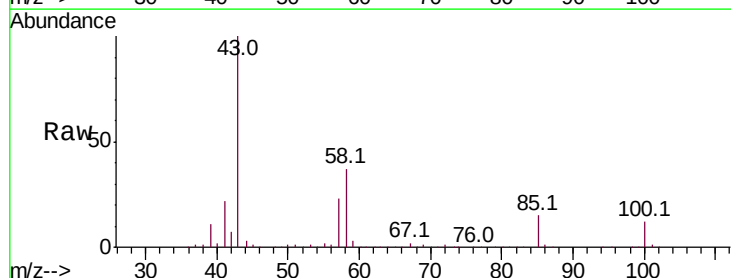
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

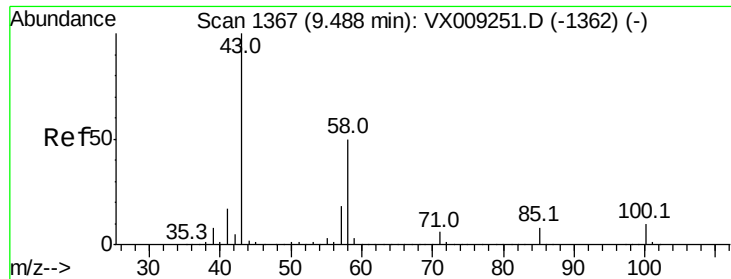
Tot Ion:117 Resp: 157218
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.8
119 32.3 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 105.057 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion: 43 Resp: 406129
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.0
85 15.0 11.8 17.8

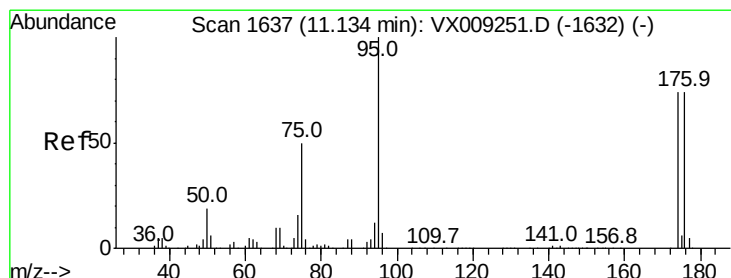
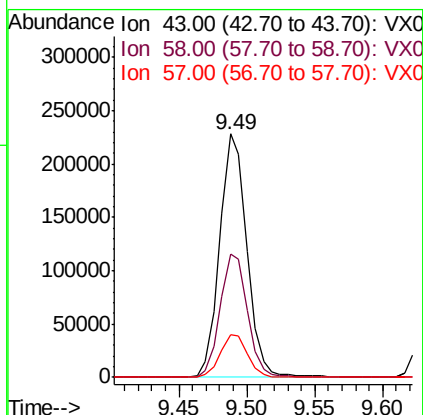
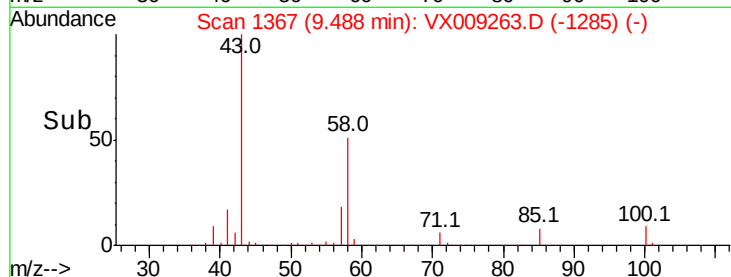
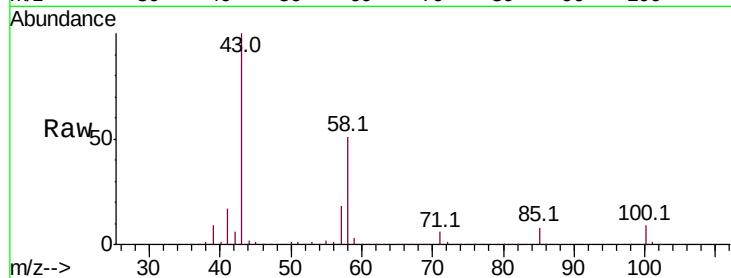




#59
2-Hexanone
Concen: 104.124 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

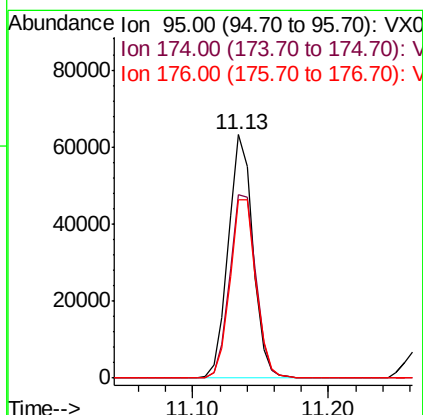
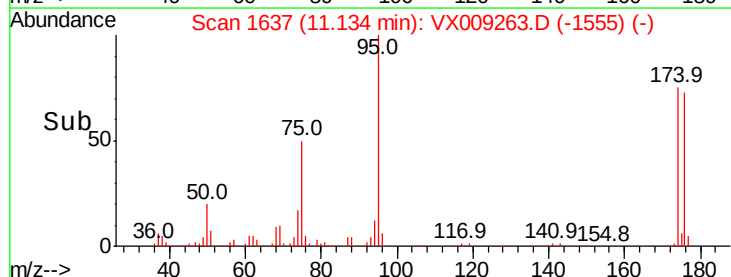
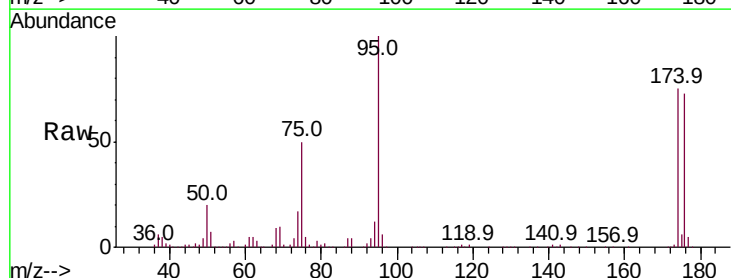
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

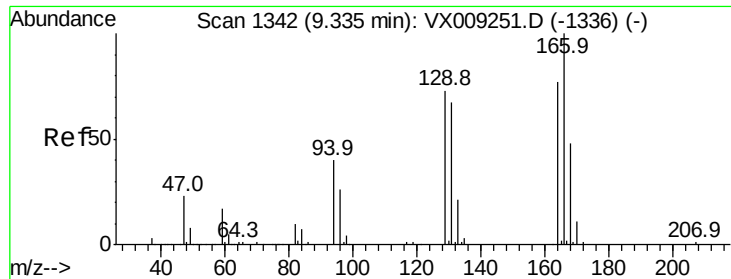
Tot Ion: 43 Resp: 315718
Ion Ratio Lower Upper
43 100
58 51.4 40.8 61.2
57 17.5 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.770 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion: 95 Resp: 79532
Ion Ratio Lower Upper
95 100
174 80.1 63.6 95.4
176 77.4 62.4 93.6

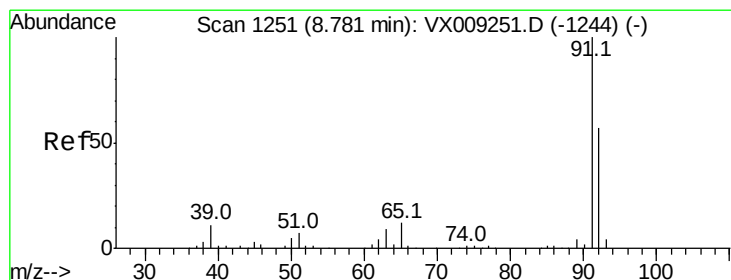
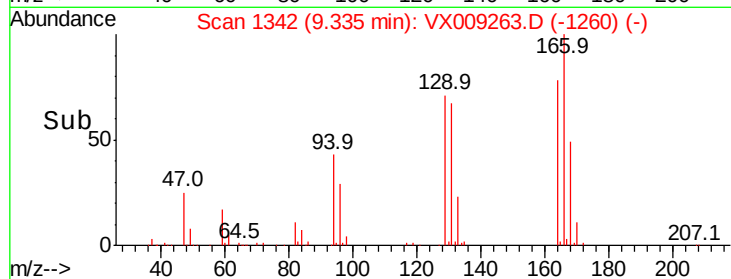
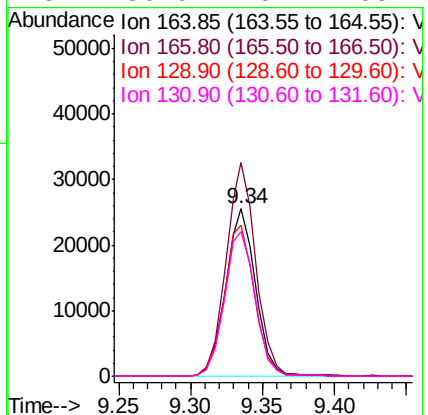
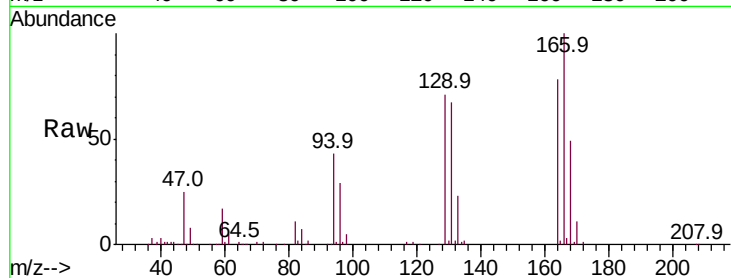




#61
 Tetrachloroethene
 Concen: 21.534 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

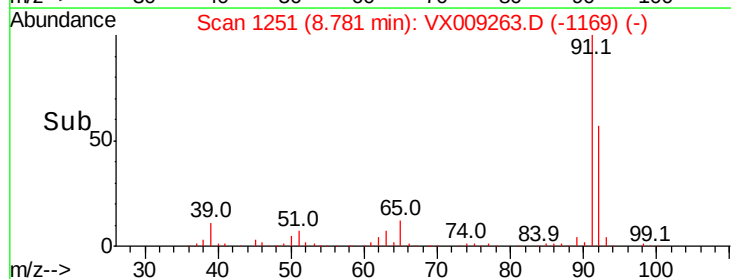
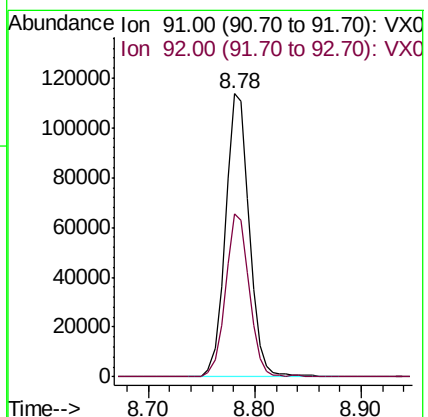
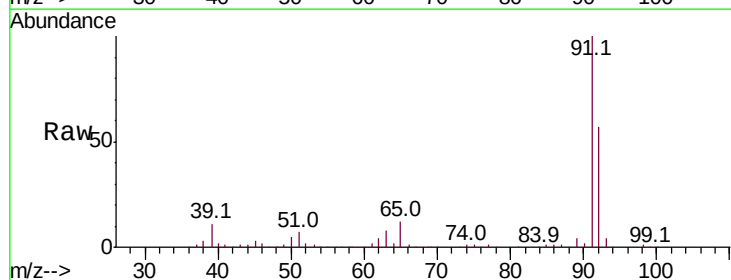
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

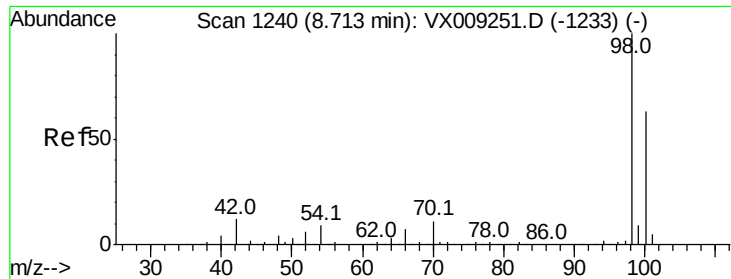
Tot Ion:	164	Resp:	37321
Ion	Ratio	Lower	Upper
164	100		
166	127.8	104.1	156.1
129	90.6	76.0	114.0
131	86.0	70.1	105.1



#62
 Toluene
 Concen: 21.215 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion:	91	Resp:	178229
Ion	Ratio	Lower	Upper
91	100		
92	57.0	46.1	69.1





#63

Toluene-d8

Concen: 29.845 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

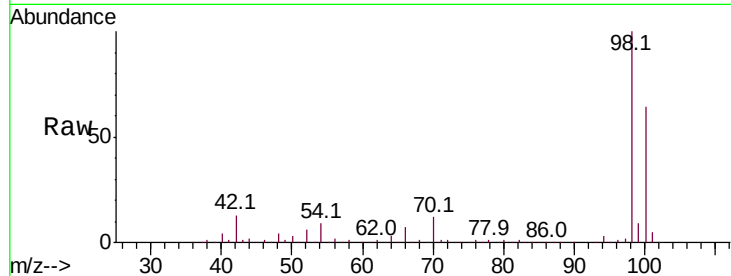
VSTDCCC020EC

Tot Ion: 98 Resp: 222458

Ion Ratio Lower Upper

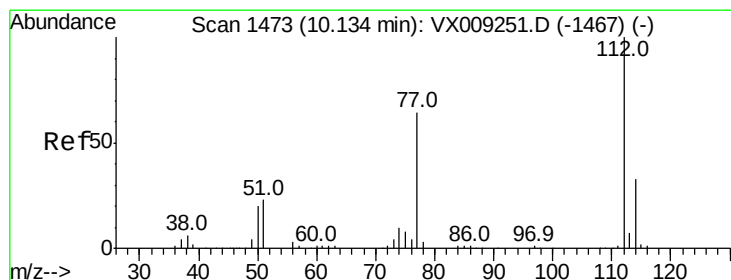
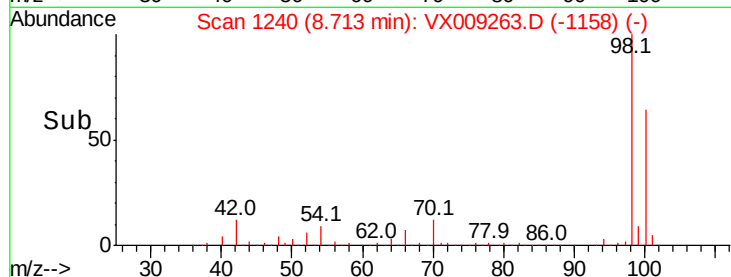
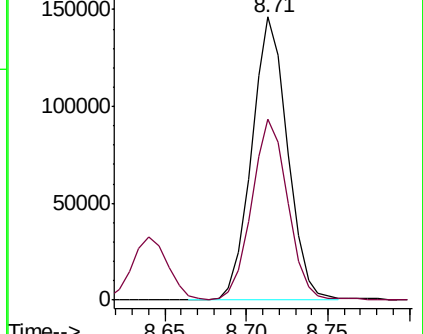
98 100

100 65.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 20.918 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009263.D

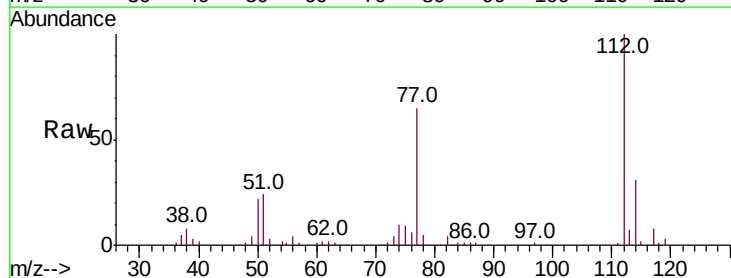
Acq: 01 May 2019 18:47

Tgt Ion: 112 Resp: 105763

Ion Ratio Lower Upper

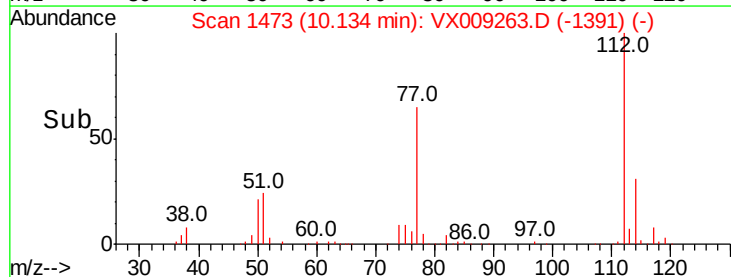
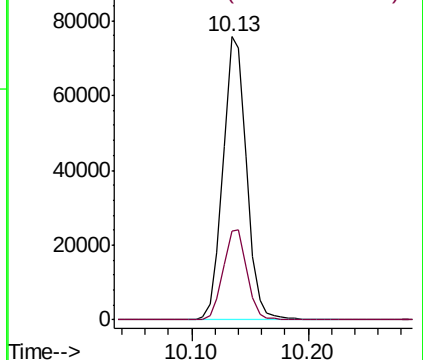
112 100

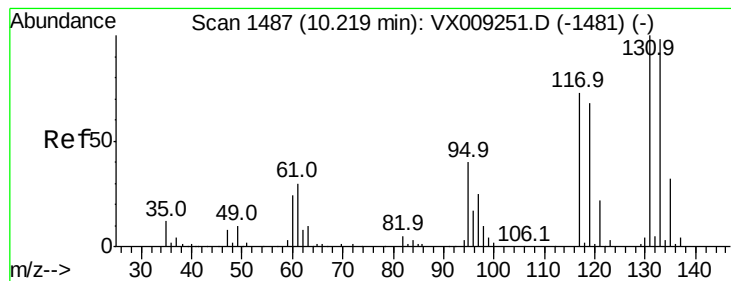
114 31.3 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.444 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

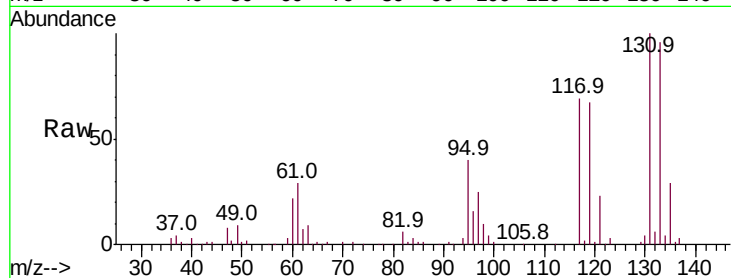
Tot Ion:131 Resp: 37848

Ion Ratio Lower Upper

131 100

133 95.6 0.0 191.2

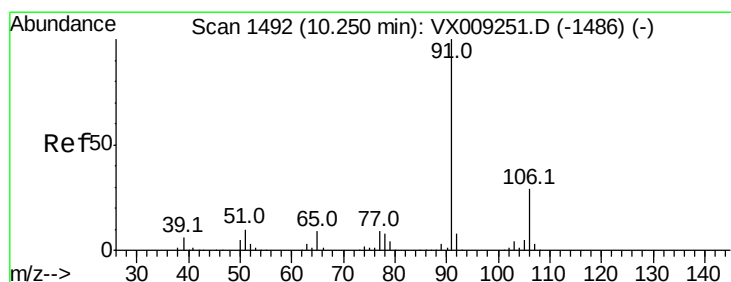
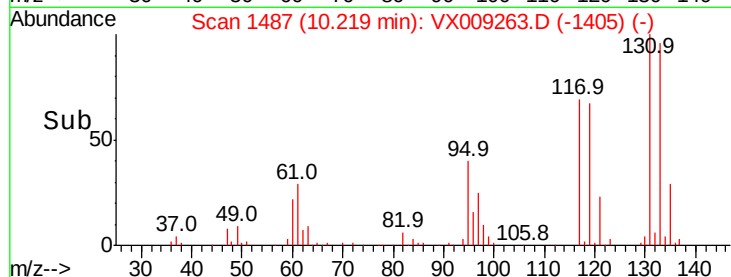
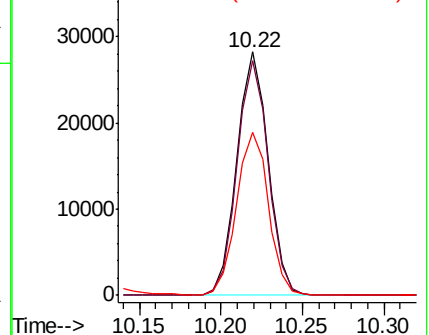
119 68.2 0.0 135.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.928 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009263.D

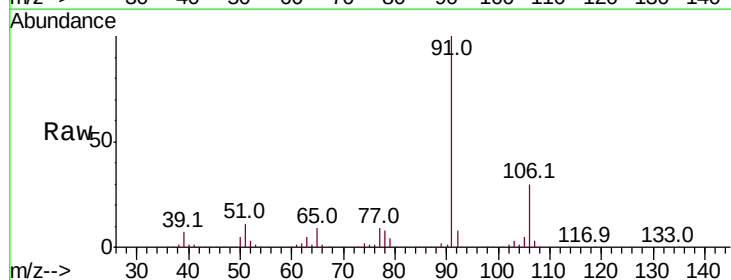
Acq: 01 May 2019 18:47

Tgt Ion: 91 Resp: 195861

Ion Ratio Lower Upper

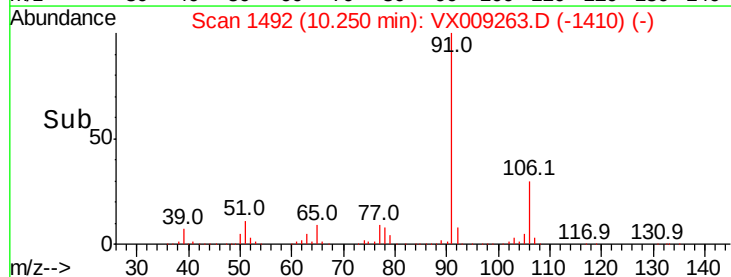
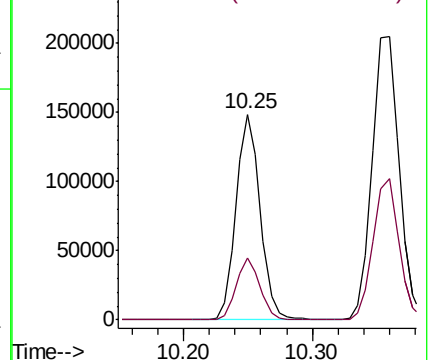
91 100

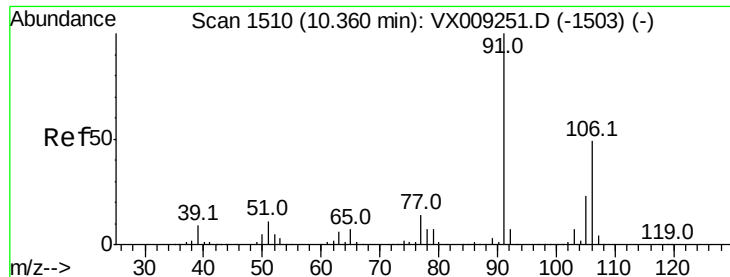
106 30.4 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

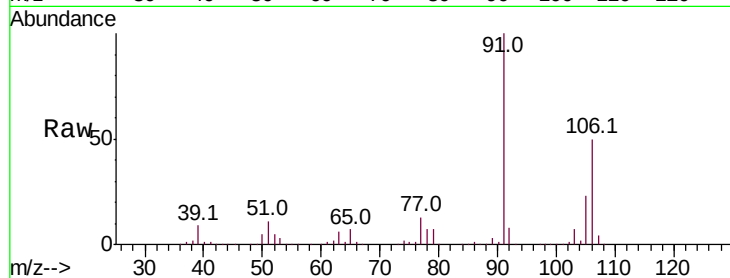




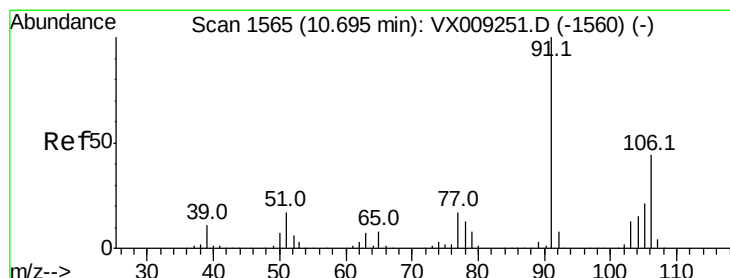
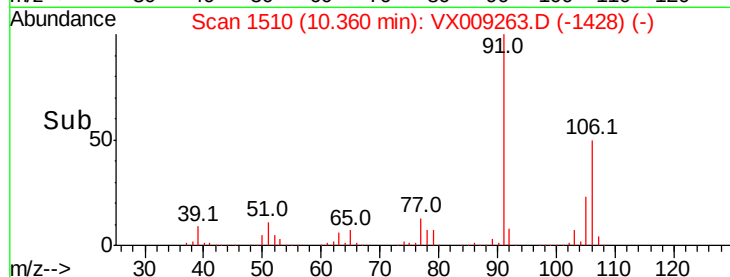
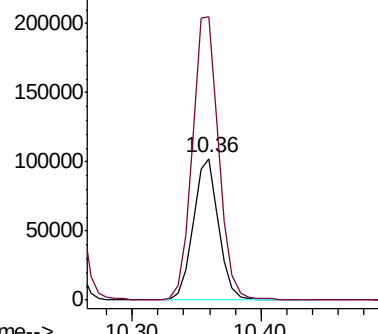
#67
m/p-Xylenes
Concen: 41.583 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 142091
Ion Ratio Lower Upper
106 100
91 208.3 166.8 250.2

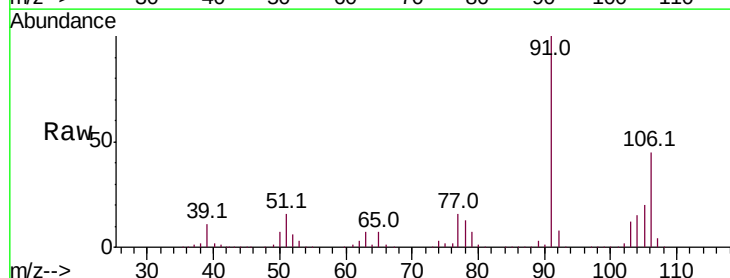


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

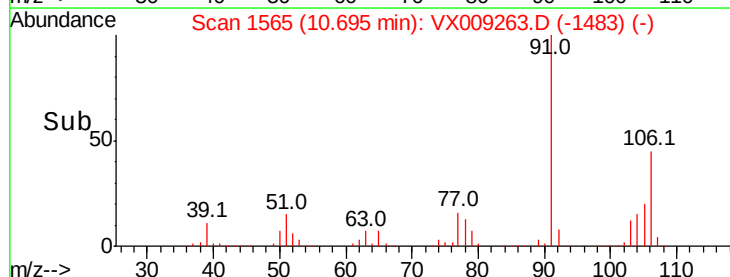
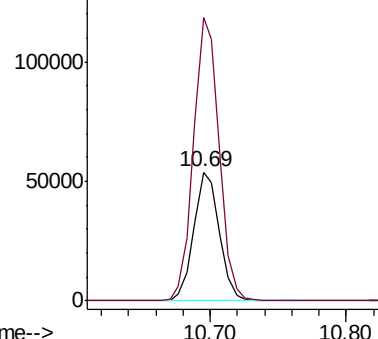


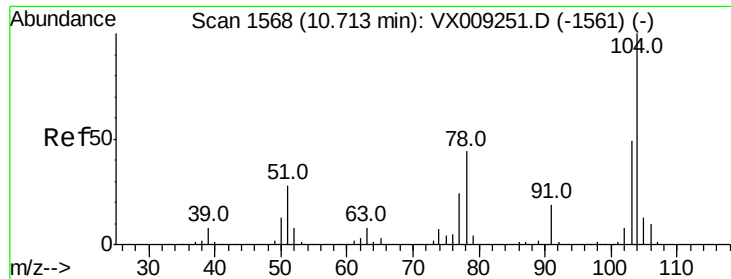
#68
o-Xylene
Concen: 20.841 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion:106 Resp: 70024
Ion Ratio Lower Upper
106 100
91 220.9 110.8 332.3



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

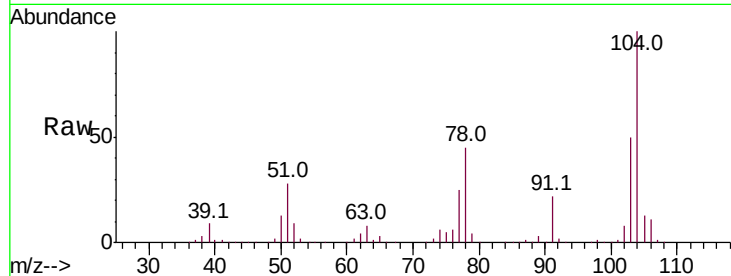




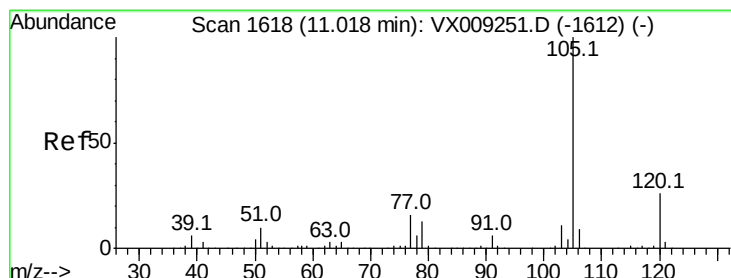
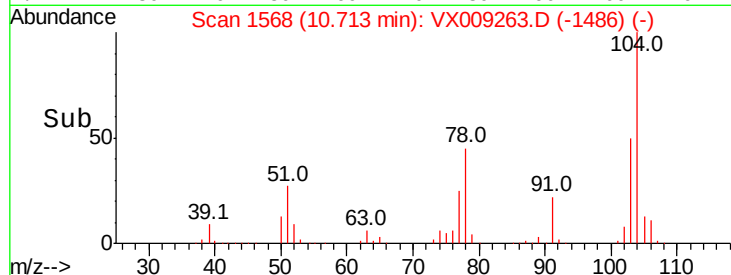
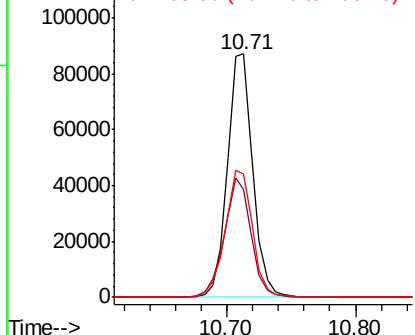
#69
Stvrene
Concen: 20.488 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 120841
Ion Ratio Lower Upper
104 100
78 51.7 41.1 61.7
103 56.3 43.8 65.8

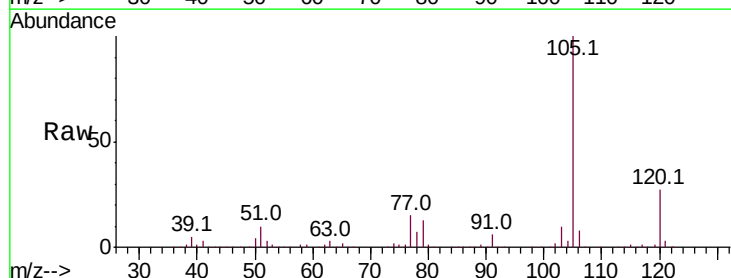


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX
Ion 103.00 (102.70 to 103.70): V

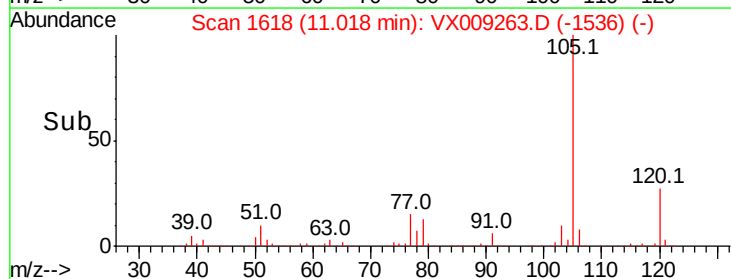
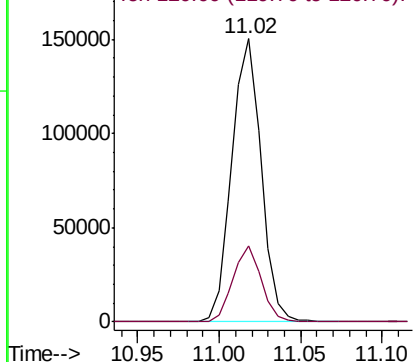


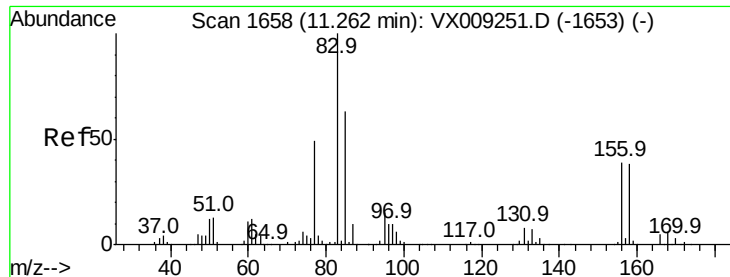
#70
Isopropylbenzene
Concen: 20.857 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion:105 Resp: 188466
Ion Ratio Lower Upper
105 100
120 26.0 18.1 33.7



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

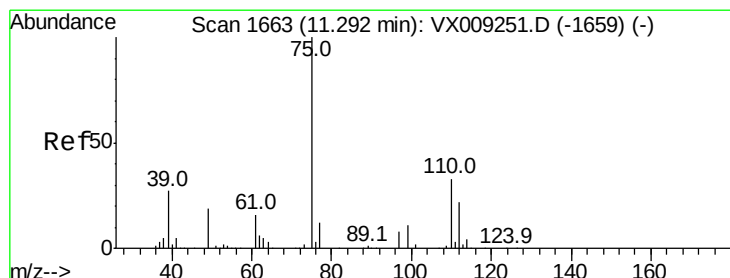
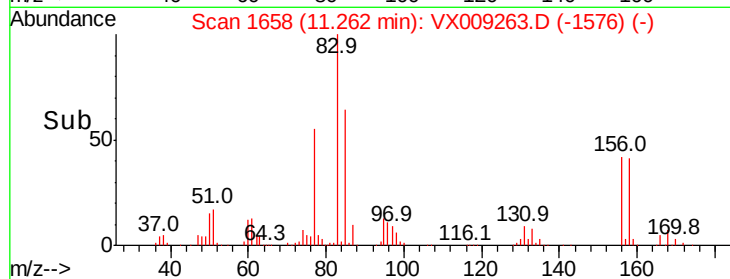
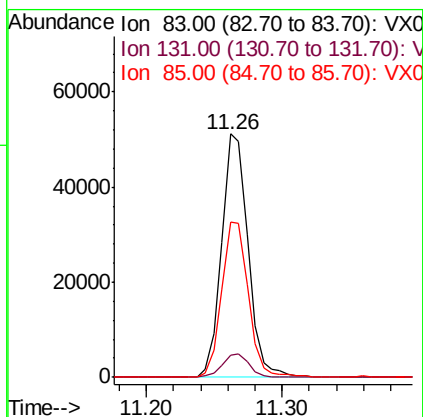
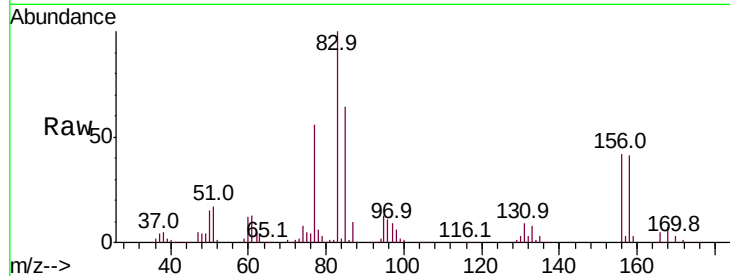




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.883 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

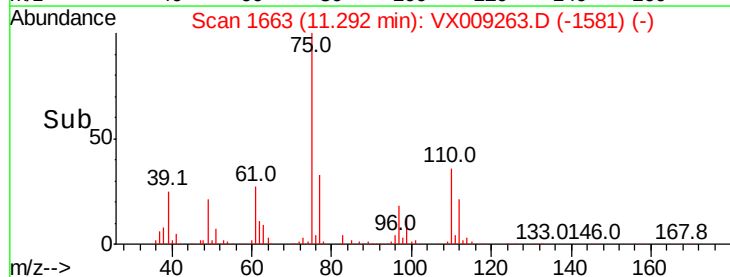
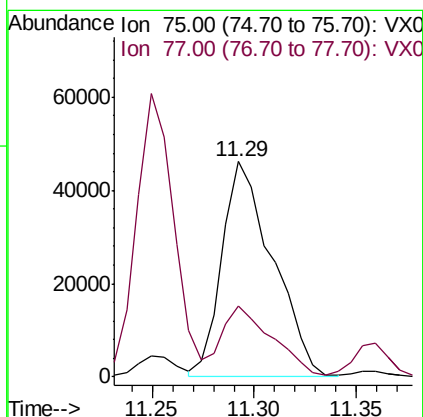
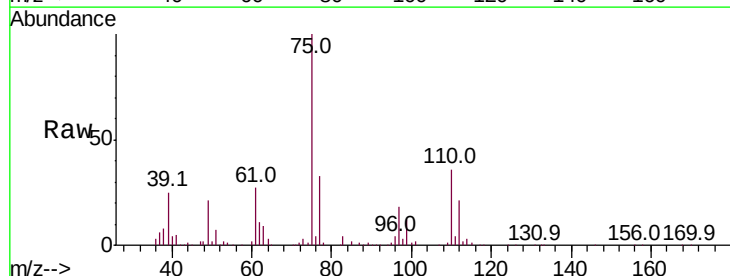
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

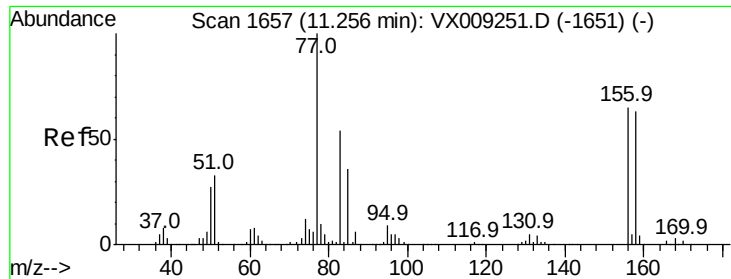
Tot Ion: 83 Resp: 69106
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.7 14.0
 85 64.5 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 28.083 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion: 75 Resp: 80087
 Ion Ratio Lower Upper
 75 100
 77 32.7 0.0 86.4





#73

Bromobenzene

Concen: 20.537 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

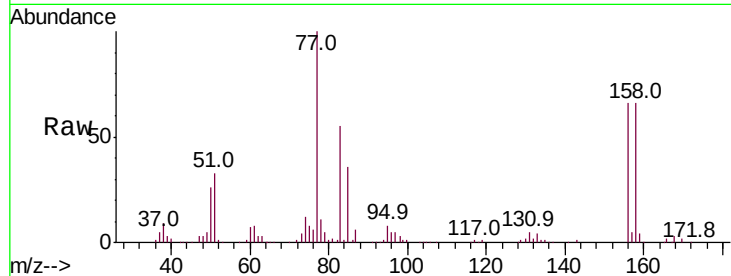
Tot Ion:156 Resp: 45849

Ion Ratio Lower Upper

156 100

77 168.6 0.0 335.6

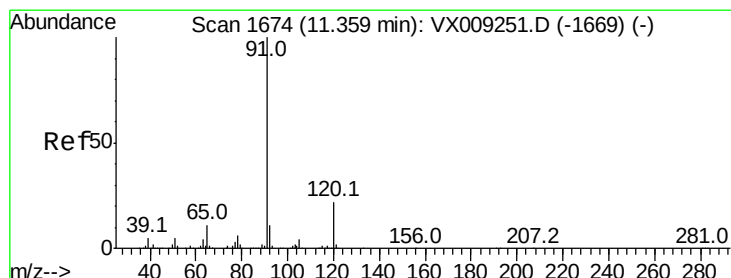
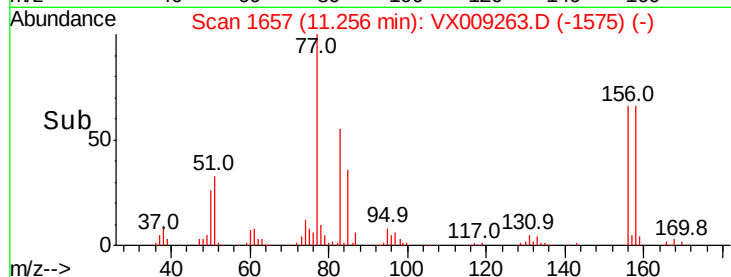
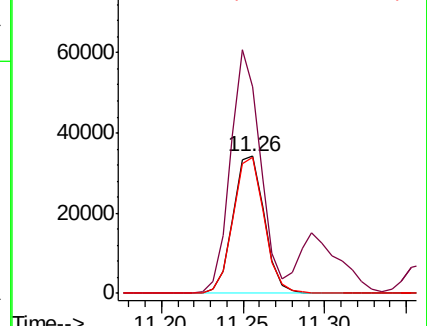
158 98.2 0.0 191.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.369 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009263.D

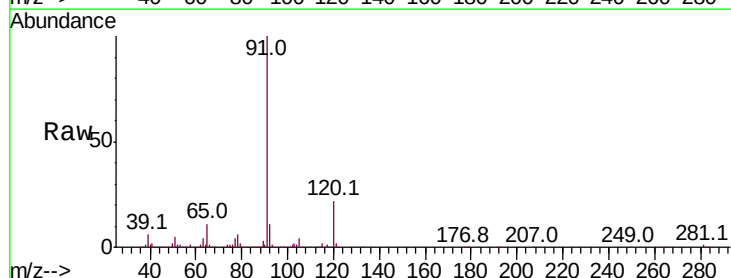
Acq: 01 May 2019 18:47

Tgt Ion: 91 Resp: 213292

Ion Ratio Lower Upper

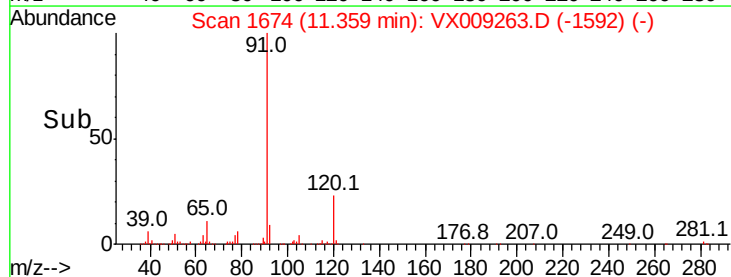
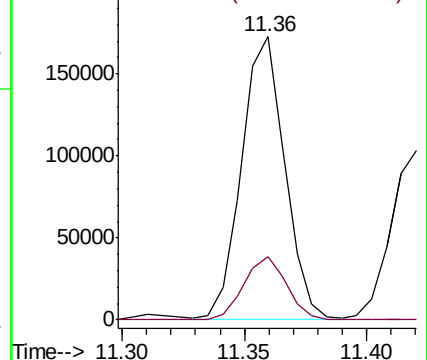
91 100

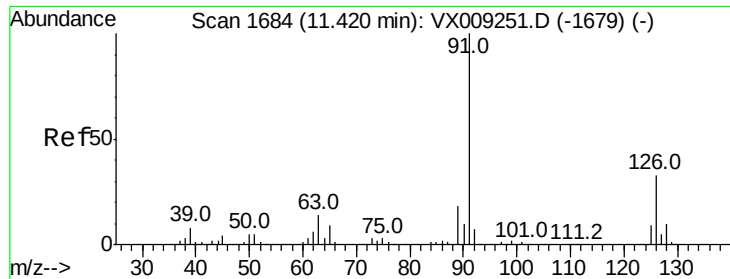
120 22.0 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.594 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

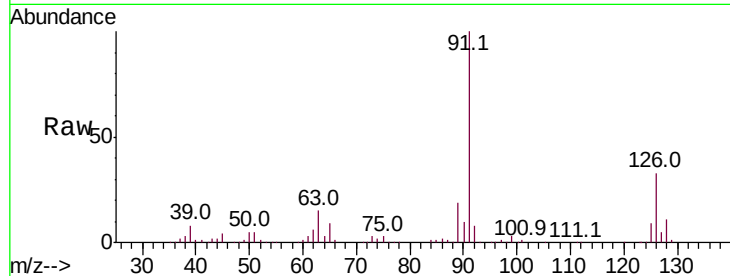
VSTDCCC020EC

Tot Ion: 91 Resp: 129342

Ion Ratio Lower Upper

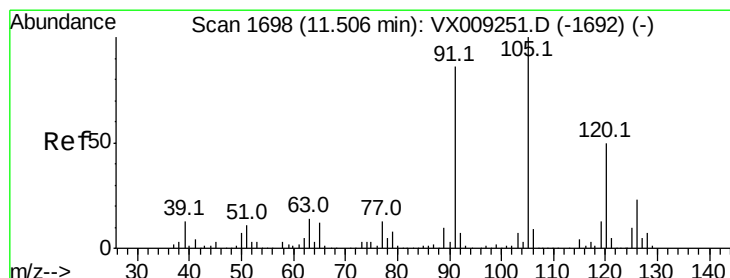
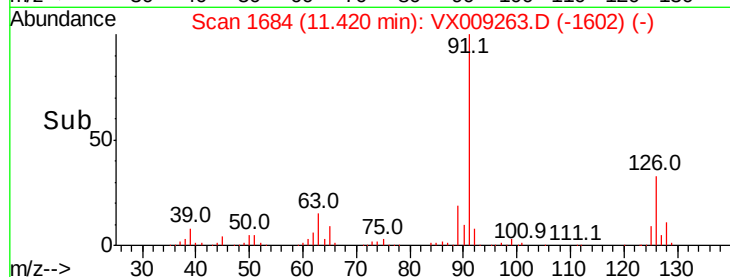
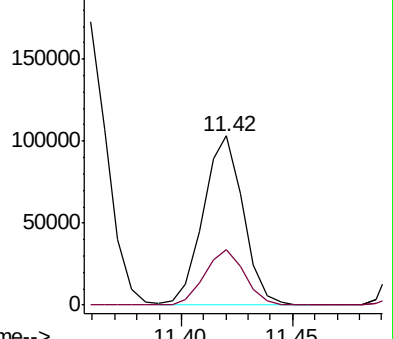
91 100

126 33.0 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.877 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009263.D

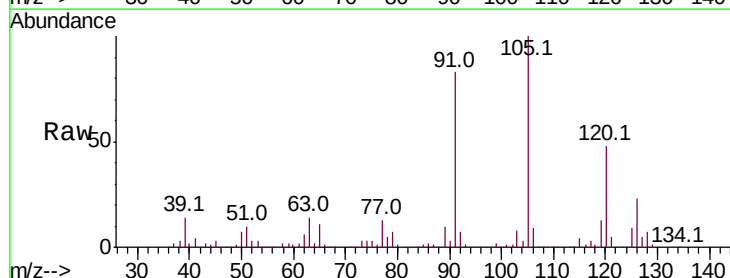
Acq: 01 May 2019 18:47

Tgt Ion: 105 Resp: 159794

Ion Ratio Lower Upper

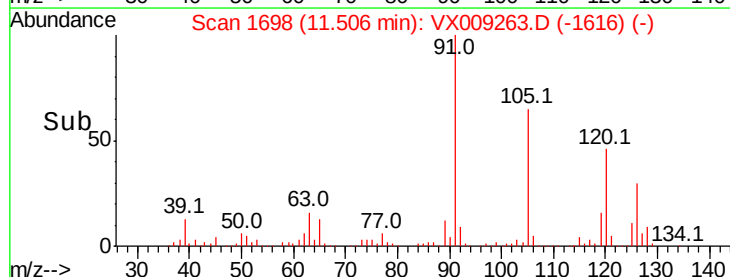
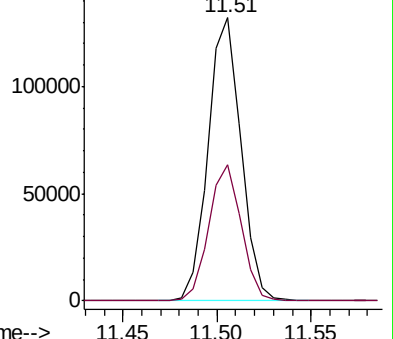
105 100

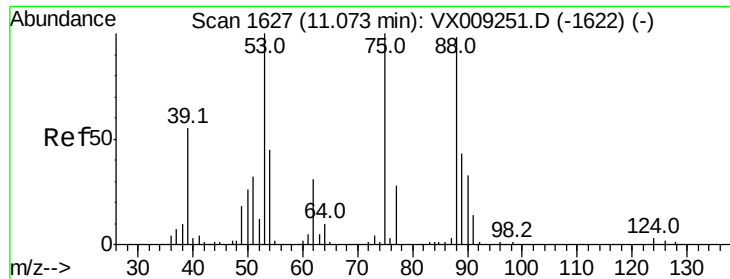
120 47.8 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.648 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

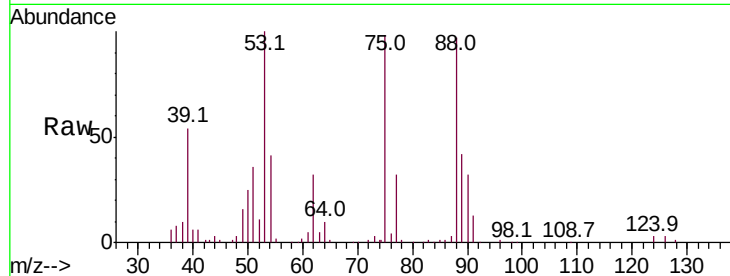
Tot Ion: 75 Resp: 21451

Ion Ratio Lower Upper

75 100

53 102.4 50.0 149.8

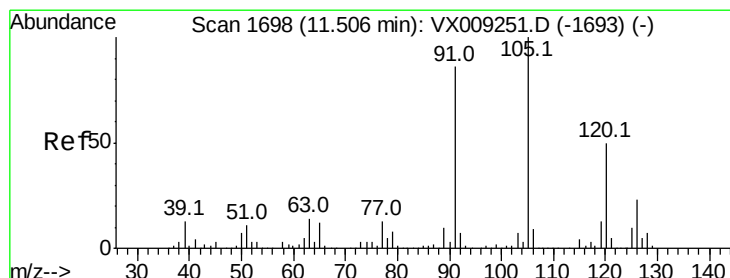
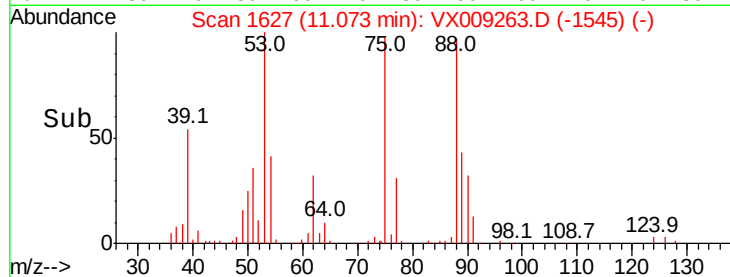
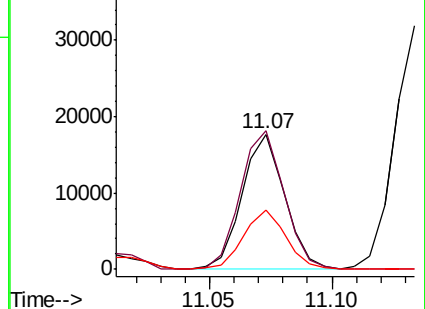
89 43.2 21.6 65.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 20.466 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009263.D

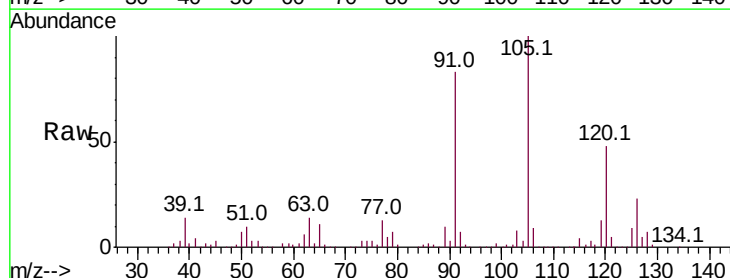
Acq: 01 May 2019 18:47

Tgt Ion: 91 Resp: 145989

Ion Ratio Lower Upper

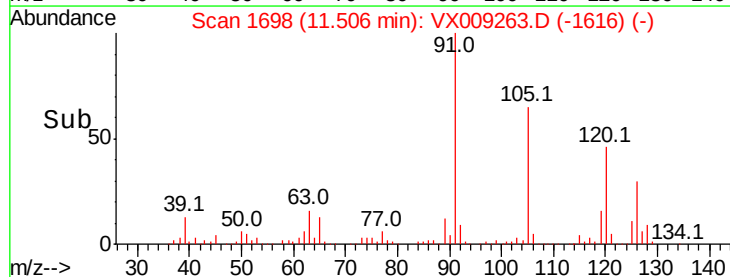
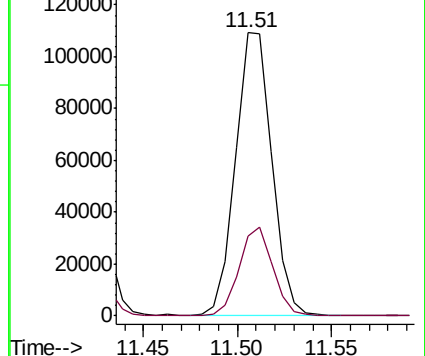
91 100

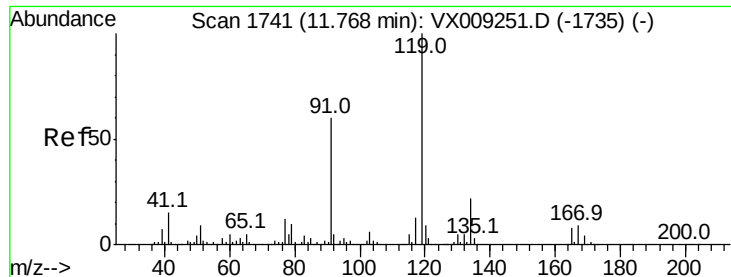
126 29.0 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 20.638 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

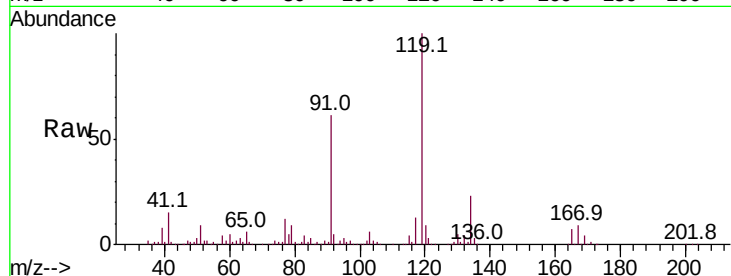
Tot Ion:119 Resp: 152711

Ion Ratio Lower Upper

119 100

91 59.1 0.0 118.2

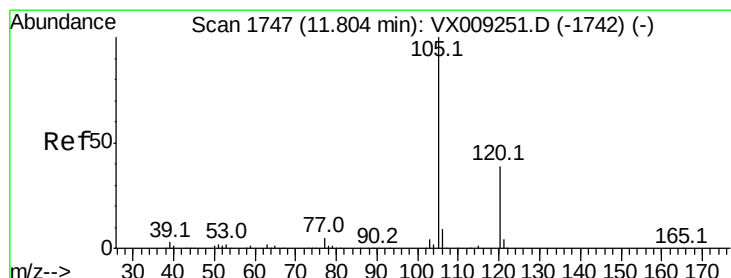
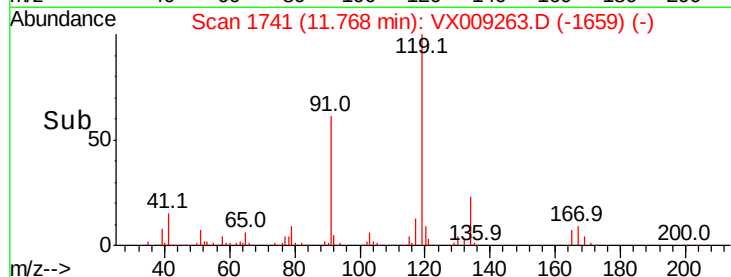
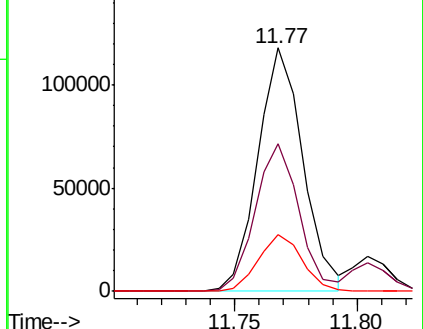
134 22.7 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.552 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009263.D

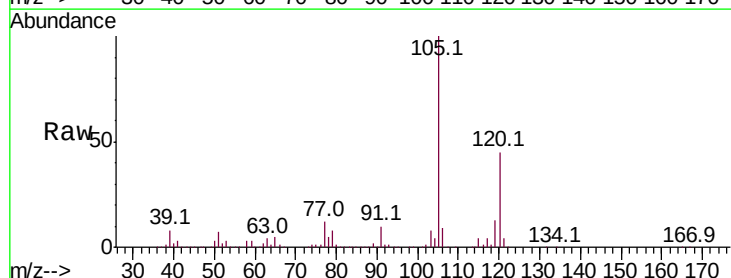
Acq: 01 May 2019 18:47

Tgt Ion:105 Resp: 157663

Ion Ratio Lower Upper

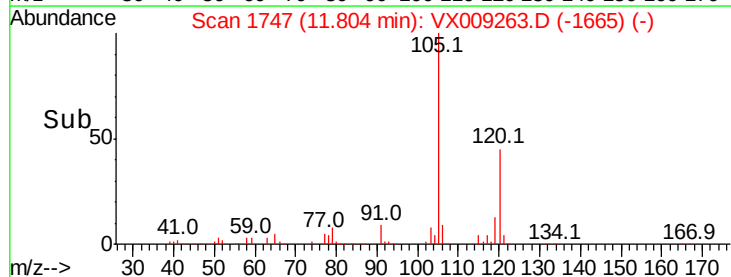
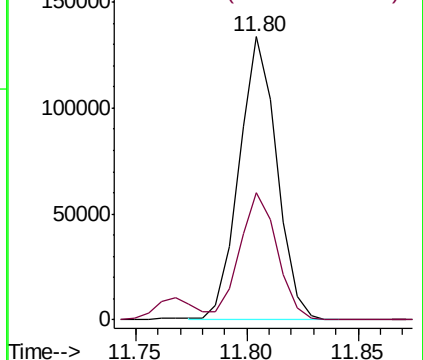
105 100

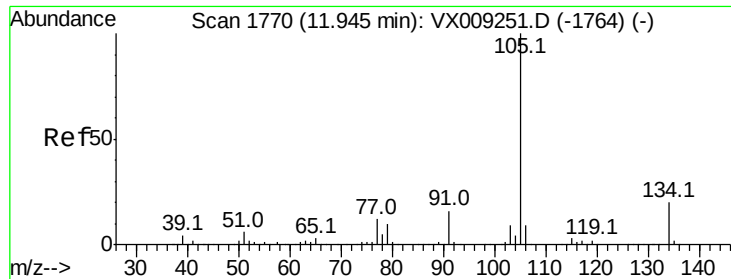
120 45.1 0.0 89.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

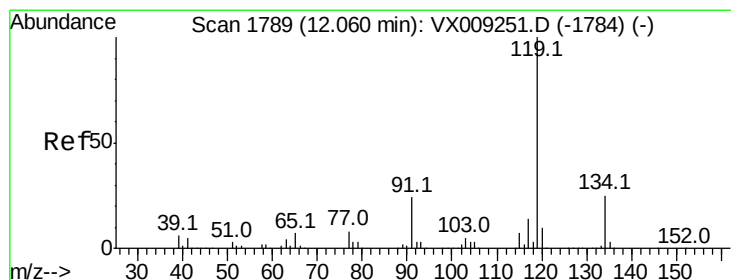
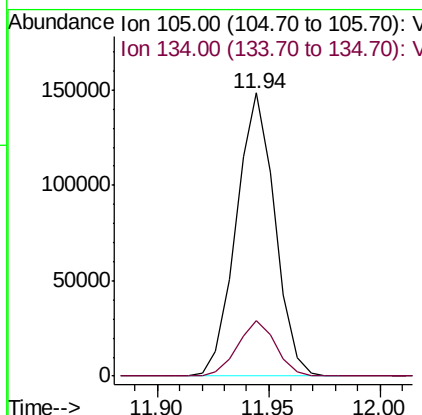
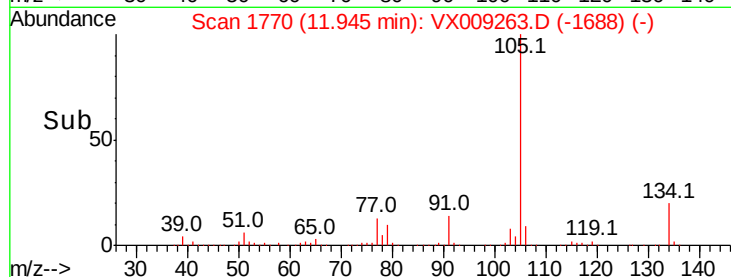
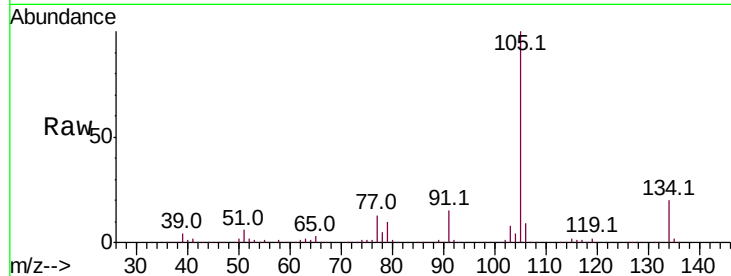




#81
 sec-Butylbenzene
 Concen: 20.307 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

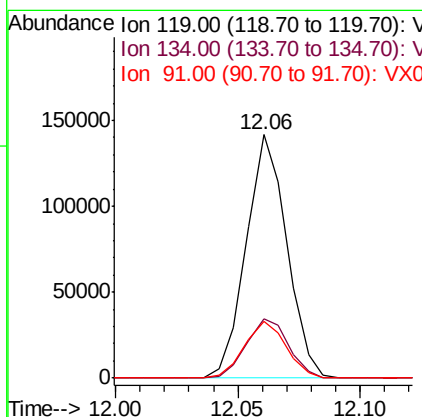
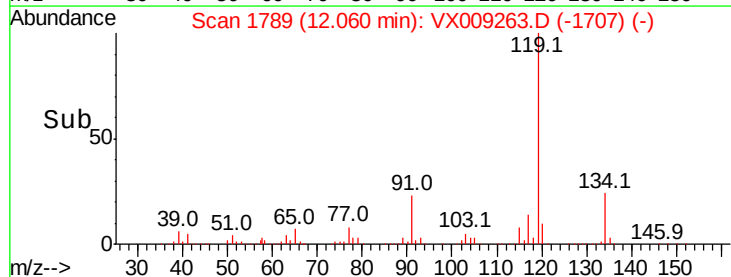
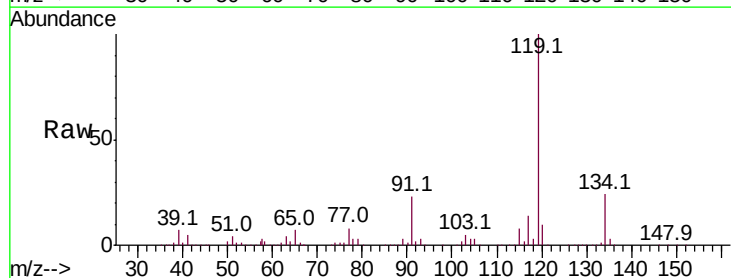
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

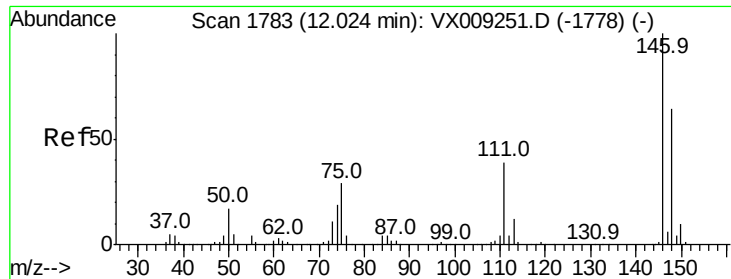
Tot Ion:105 Resp: 178525
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 20.338 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion:119 Resp: 162643
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 50.8
 91 24.0 0.0 47.2

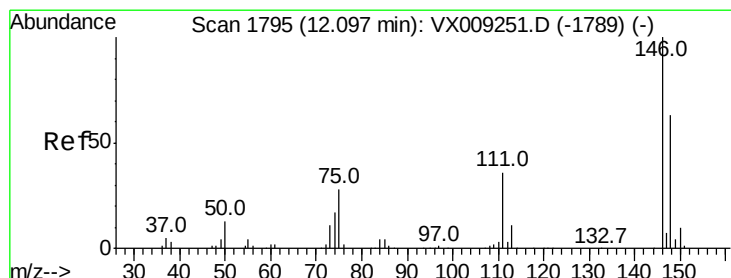
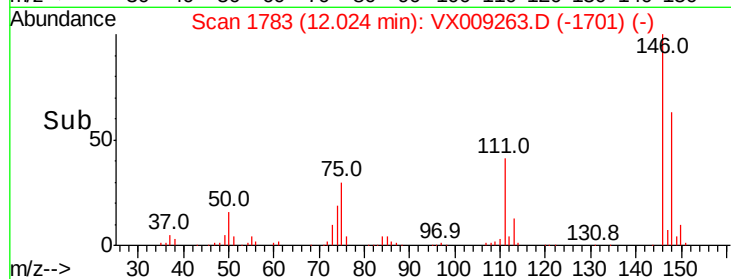
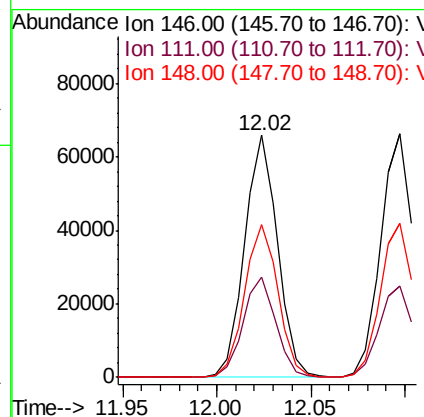
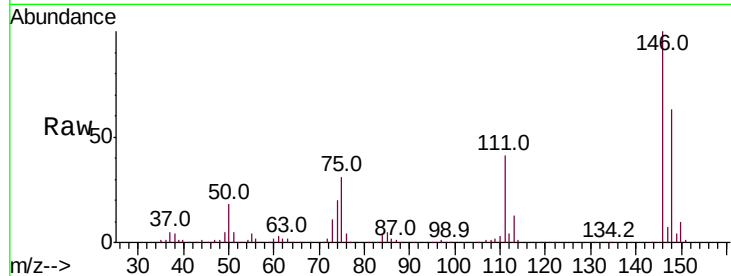




#83
 1,3-Dichlorobenzene
 Concen: 20.004 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

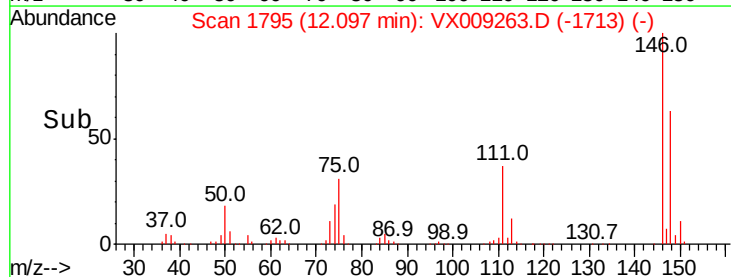
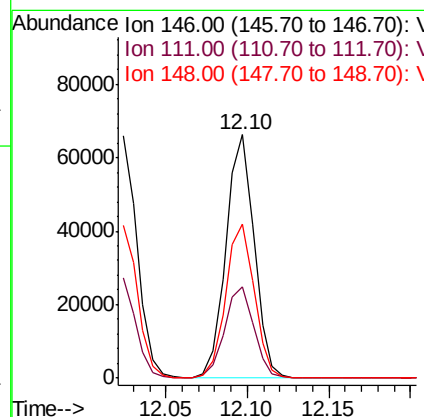
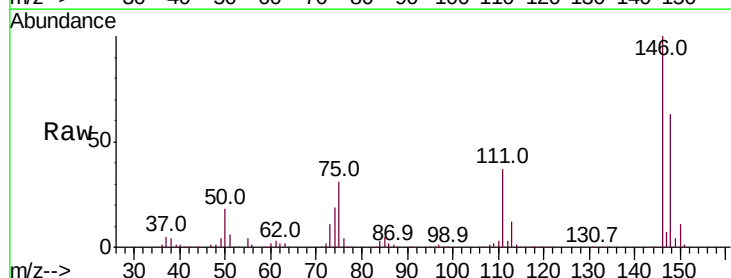
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

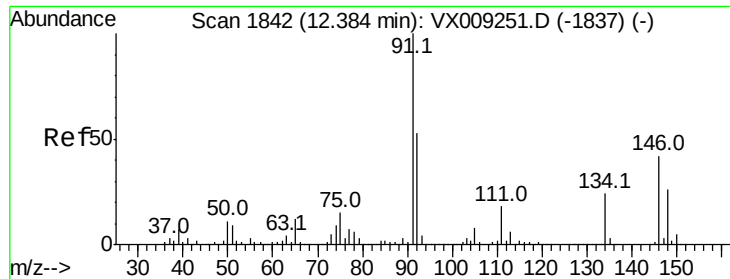
Tot Ion:146 Resp: 79755
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 64.1 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 20.160 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion:146 Resp: 80082
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.6 58.7
 148 64.0 32.3 96.8





#85

n-Butylbenzene

Concen: 19.654 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

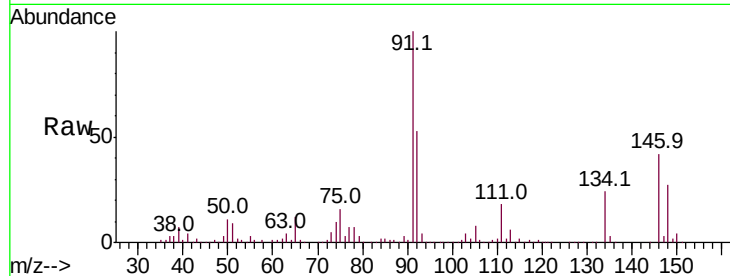
Tot Ion: 91 Resp: 143817

Ion Ratio Lower Upper

91 100

92 53.1 0.0 106.6

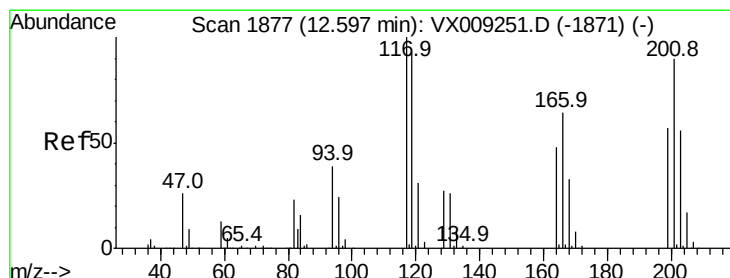
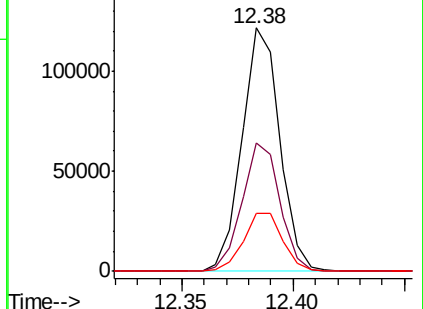
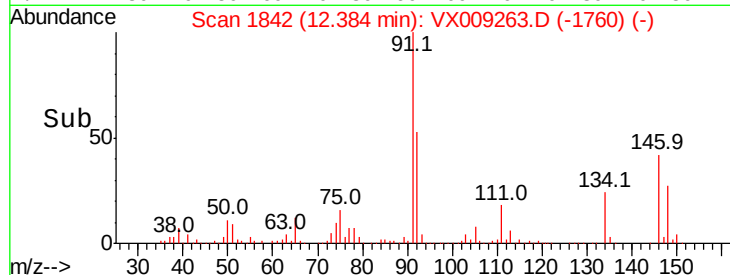
134 24.9 0.0 50.0



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

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

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



#86

Hexachloroethane

Concen: 19.622 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX009263.D

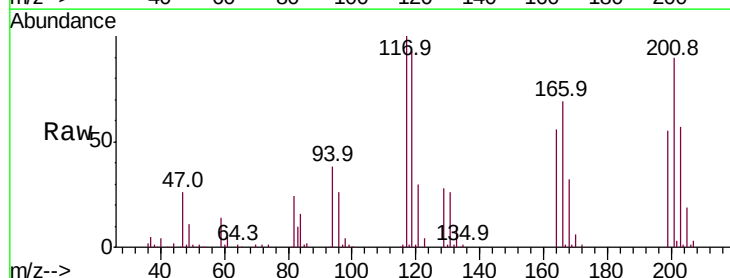
Acq: 01 May 2019 18:47

Tgt Ion: 117 Resp: 26701

Ion Ratio Lower Upper

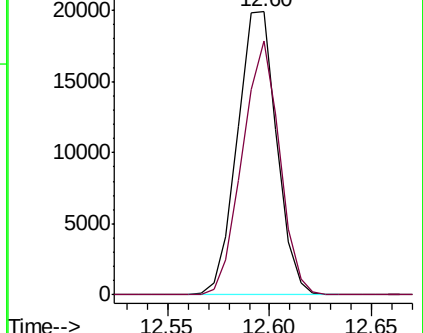
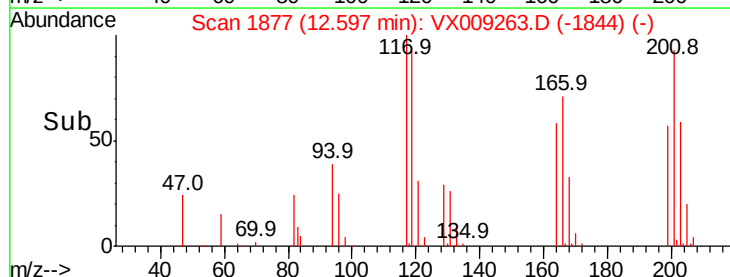
117 100

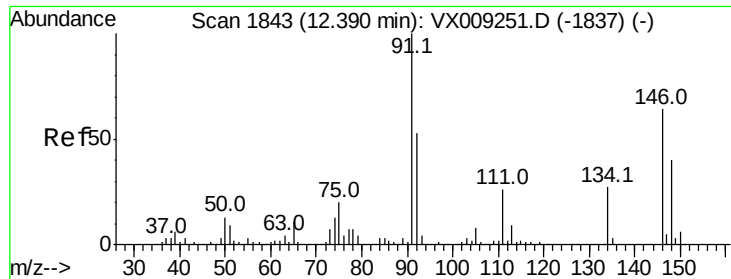
201 84.8 41.8 125.4



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

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

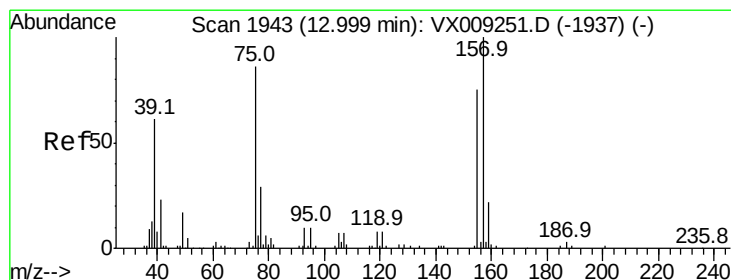
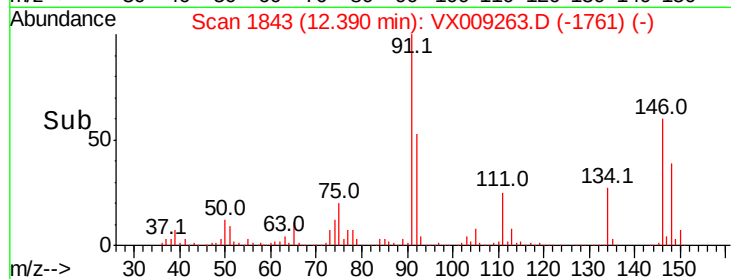
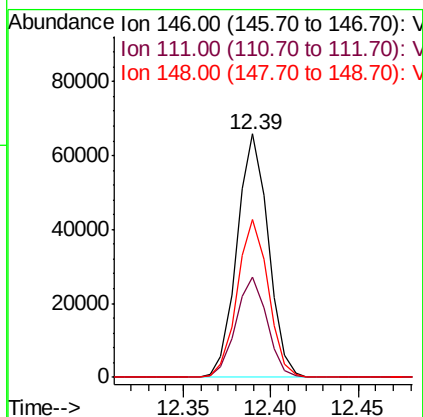
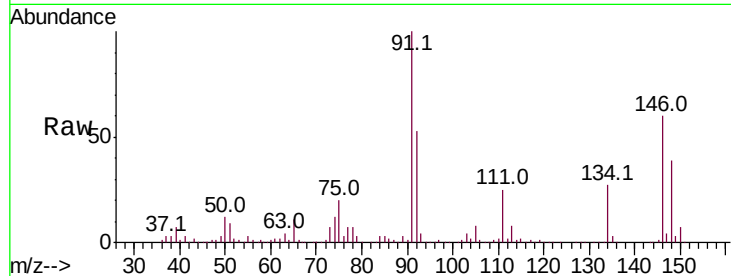




#87
 1,2-Dichlorobenzene
 Concen: 20.452 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

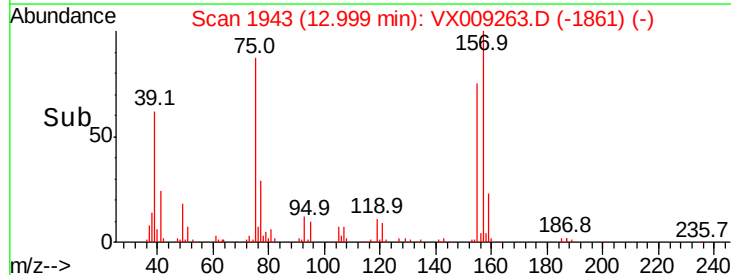
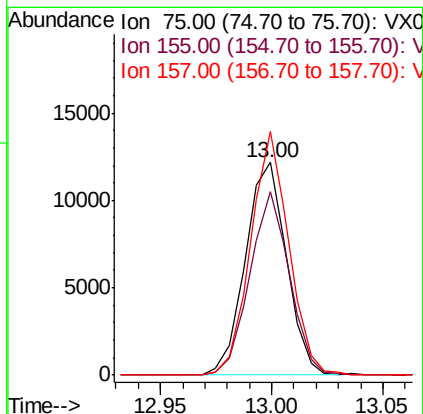
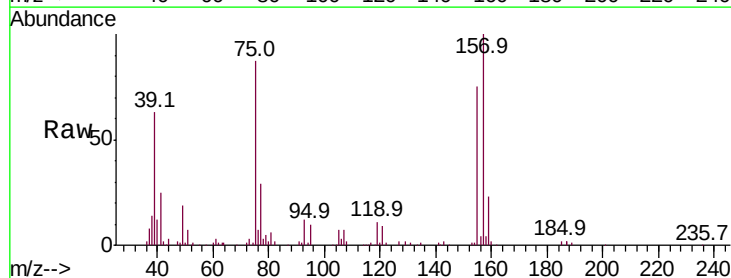
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

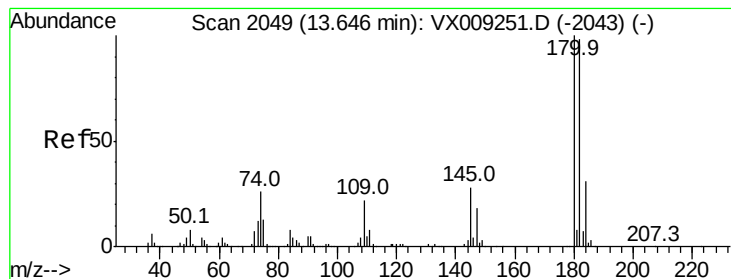
Tot Ion:146 Resp: 82083
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.8 62.2
 148 64.4 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.372 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009263.D
 Acq: 01 May 2019 18:47

Tgt Ion: 75 Resp: 15666
 Ion Ratio Lower Upper
 75 100
 155 82.6 65.9 98.9
 157 105.8 85.2 127.8





#89

1,2,4-Trichlorobenzene

Concen: 20.206 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

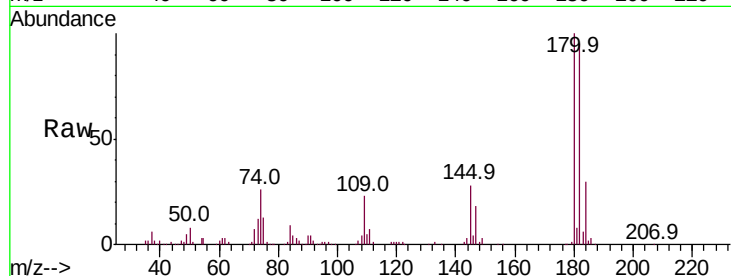
Tot Ion:180 Resp: 57802

Ion Ratio Lower Upper

180 100

182 94.2 76.9 115.3

145 28.9 23.0 34.6

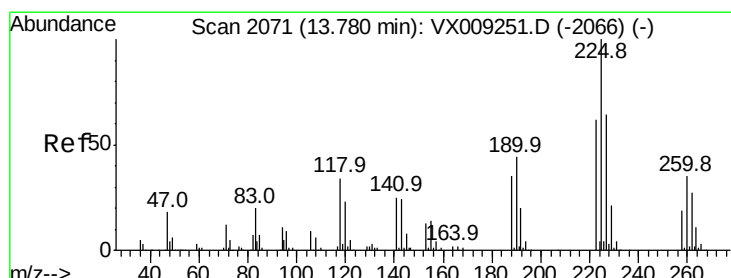
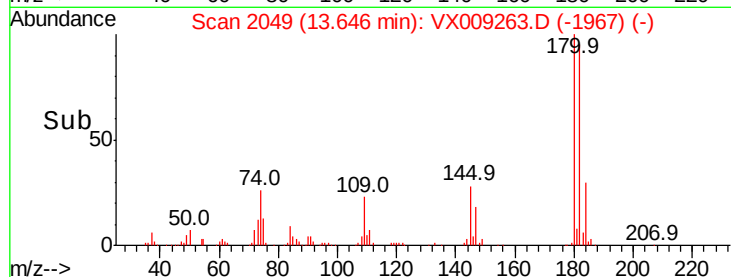
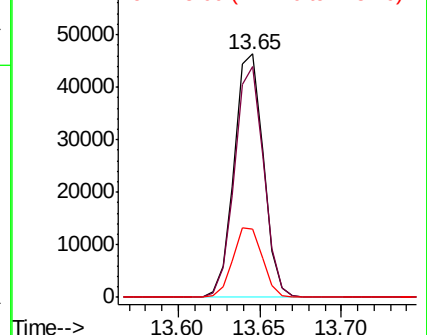


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 19.960 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009263.D

Acq: 01 May 2019 18:47

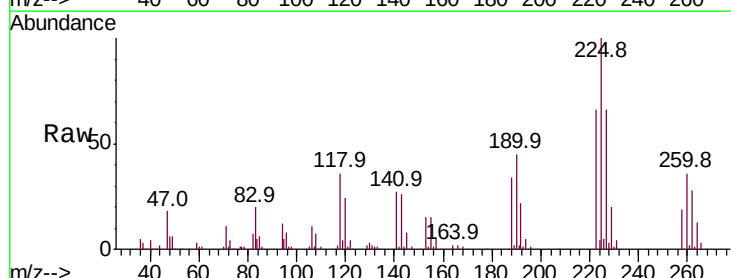
Tgt Ion:225 Resp: 28521

Ion Ratio Lower Upper

225 100

223 64.2 0.0 126.6

227 63.8 0.0 130.0

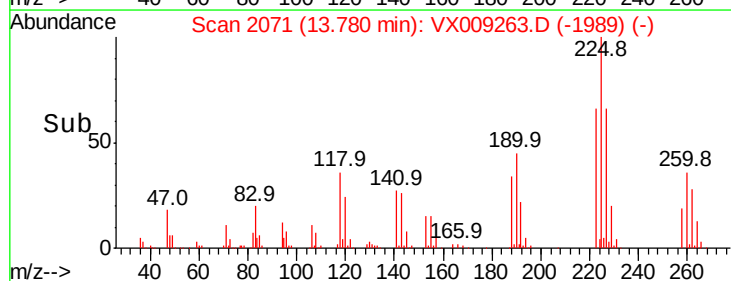
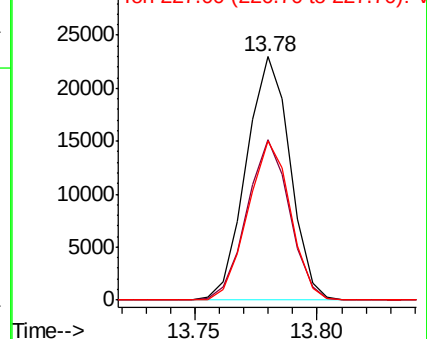


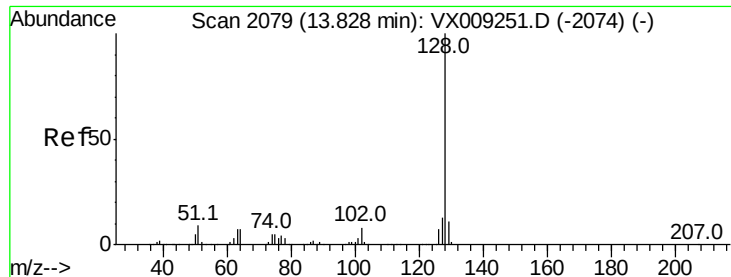
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

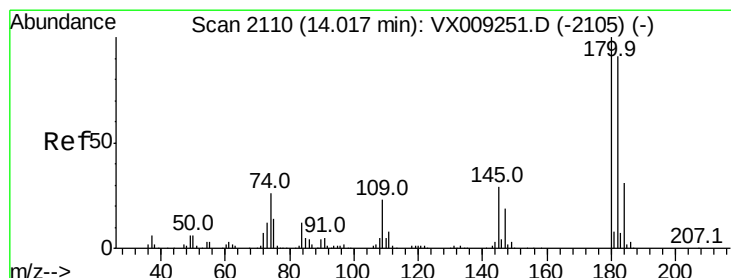
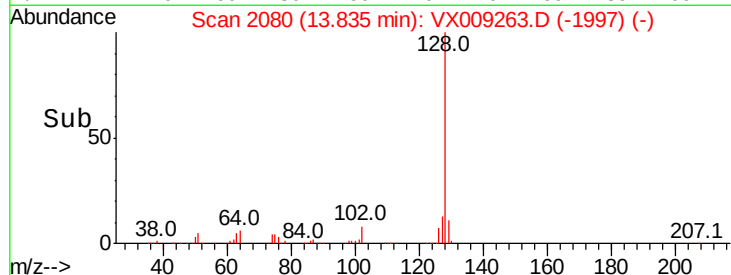
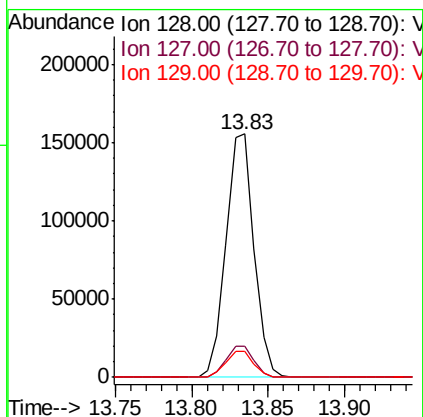
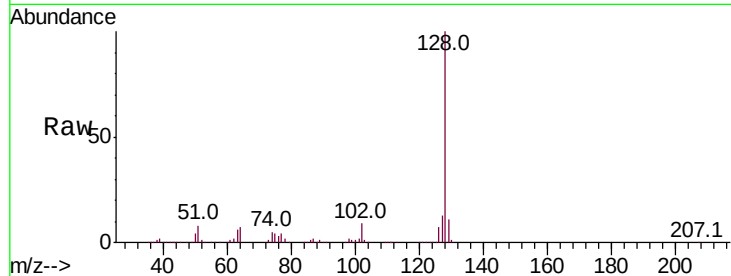




#91
Naphthalene
Concen: 21.041 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 197067
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 20.685 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009263.D
Acq: 01 May 2019 18:47

Tgt Ion:180 Resp: 60150
Ion Ratio Lower Upper
180 100
182 95.1 0.0 189.0
145 30.8 0.0 61.6

