

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009482.D
 Acq On : 10 May 2019 14:57
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 11 02:34:51 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	28447	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	164920	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	148347	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	69962	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	11.13	95	73804	29.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.60%
63) Toluene-d8	8.71	98	208497	29.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	30457	20.149	ug/l 99
3) Chloromethane	1.32	50	45292	22.292	ug/l 100
4) Vinyl Chloride	1.40	62	43366	21.395	ug/l 96
5) Bromomethane	1.64	94	24764	19.274	ug/l 100
6) Chloroethane	1.72	64	29638	22.296	ug/l 95
7) Trichlorofluoromethane	1.93	101	55246	22.073	ug/l 95
8) Diethyl Ether	2.18	74	25410	21.864	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34240	22.096	ug/l 98
10) 1,1-Dichloroethene	2.37	96	35163	22.599	ug/l 95
11) Methyl Iodide	2.51	142	34249	20.248	ug/l 99
12) Methyl Acetate	2.77	43	56425	19.253	ug/l 96
13) Acrolein	2.29	56	39807	99.031	ug/l 100
14) Acrylonitrile	3.14	53	132218	103.955	ug/l 98
15) Acetone	2.44	58	39002	106.804	ug/l 96
16) Carbon Disulfide	2.57	76	97185	23.085	ug/l 100
17) Allyl chloride	2.73	41	78331	20.969	ug/l 98
18) Methylene Chloride	2.85	84	41342	21.985	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	37089	22.356	ug/l 96
20) Diisopropyl ether	3.85	45	159015	21.617	ug/l 97
21) 1,1-Dichloroethane	3.70	63	75843	21.304	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	43742	21.889	ug/l 99
23) tert-Butyl Alcohol	3.04	59	50087	93.132	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	131046	21.521	ug/l 100
25) Chloroform	5.21	83	72490	22.313	ug/l 99
26) Cyclohexane	5.57	56	75196	22.664	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	55620	22.984	ug/l 99
30) 2-Butanone	4.67	43	199084	105.049	ug/l 100
31) 2,2-Dichloropropane	4.58	77	57000	21.366	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	57902	22.072	ug/l 98
33) Carbon Tetrachloride	5.78	117	48476	22.085	ug/l 98
34) Benzene	6.14	78	167090	22.396	ug/l 99
35) Methacrylonitrile	5.04	41	43021	21.697	ug/l 96
36) 1,2-Dichloroethane	6.19	62	60790	22.456	ug/l 99
37) Trichloroethene	7.21	130	39118	21.781	ug/l 95
38) Methylcyclohexane	7.46	83	69874	23.371	ug/l 100
39) 1,2-Dichloropropane	7.51	63	46468	21.872	ug/l 97
40) Dibromomethane	7.66	93	27173	22.535	ug/l 99

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 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 11 02:34:51 2019
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 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	53301	21.640	ug/l	100
42) Vinyl Acetate	3.81	43	702462	112.306	ug/l	99
43) Ethyl Acetate	4.83	43	75478	22.041	ug/l	98
44) Isopropyl Acetate	6.44	43	118353	21.334	ug/l	99
45) 1,4-Dioxane	7.74	88	20774	381.407	ug/l	98
46) Methyl methacrylate	7.77	41	60165	21.728	ug/l	98
47) n-amyl Acetate	10.90	43	107118	21.434	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	61225	21.304	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	68328	21.657	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	40078	21.694	ug/l	97
51) Ethyl methacrylate	9.18	69	73261	21.459	ug/l	97
52) 1,3-Dichloropropane	9.37	76	72000	21.960	ug/l	100
53) Dibromochloromethane	9.58	129	40067	21.777	ug/l	100
54) 1,2-Dibromoethane	9.67	107	42199	22.272	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	155706	85.591	ug/l	99
56) Bromoform	10.85	173	29207	20.680	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	385873	105.786	ug/l	100
59) 2-Hexanone	9.49	43	296677	103.695	ug/l	100
61) Tetrachloroethene	9.34	164	37092	22.681	ug/l	98
62) Toluene	8.78	91	179010	22.582	ug/l	99
64) Chlorobenzene	10.13	112	105809	22.179	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	38690	22.149	ug/l	97
66) Ethyl Benzene	10.25	91	197860	22.406	ug/l	100
67) m/p-Xylenes	10.36	106	145369	45.087	ug/l	99
68) o-Xylene	10.69	106	70318	22.180	ug/l	99
69) Styrene	10.71	104	121536	21.838	ug/l	99
70) Isopropylbenzene	11.02	105	190779	22.376	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	66958	21.444	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	77440	28.779	ug/l	82
73) Bromobenzene	11.26	156	46504	22.075	ug/l	99
74) n-propylbenzene	11.36	91	221009	22.369	ug/l	99
75) 2-Chlorotoluene	11.42	91	130870	22.083	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	161594	22.375	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	22454	20.687	ug/l	96
78) 4-Chlorotoluene	11.51	91	149385	22.194	ug/l	99
79) tert-butylbenzene	11.77	119	156056	22.352	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	160361	22.153	ug/l	100
81) sec-Butylbenzene	11.94	105	186583	22.493	ug/l	99
82) p-Isopropyltoluene	12.06	119	170472	22.592	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	83173	22.108	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	81901	21.851	ug/l	99
85) n-Butylbenzene	12.38	91	153603	22.247	ug/l	99
86) Hexachloroethane	12.59	117	27250	21.223	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	83524	22.055	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15100	20.810	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	59809	22.158	ug/l	99
90) Hexachlorobutadiene	13.78	225	31400	23.289	ug/l	99
91) Naphthalene	13.83	128	192986	21.837	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	62118	22.639	ug/l	99

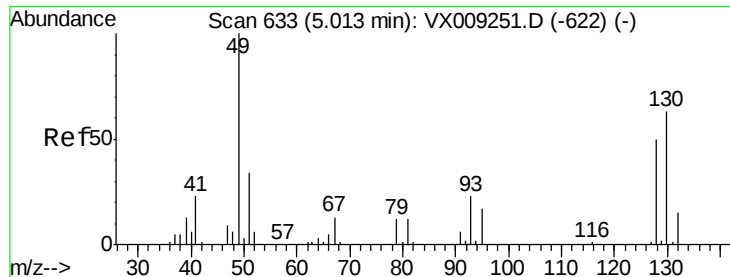
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QLast Update : Thu May 02 06:46:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

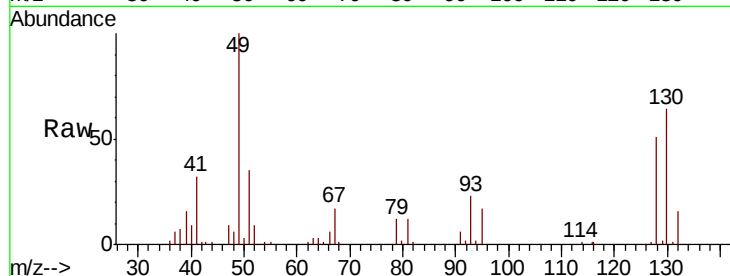
Tot Ion:128 Resp: 28447

Ion Ratio Lower Upper

128 100

49 198.7 0.0 515.0

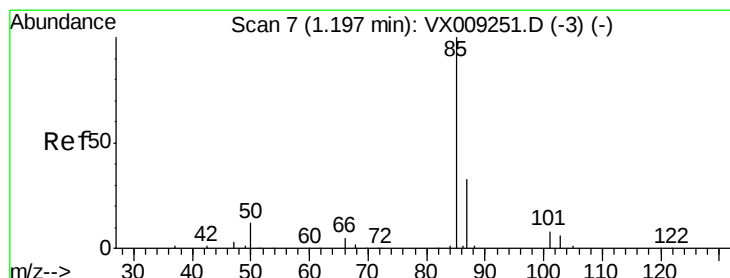
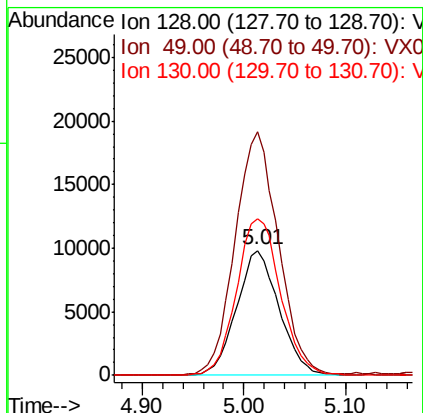
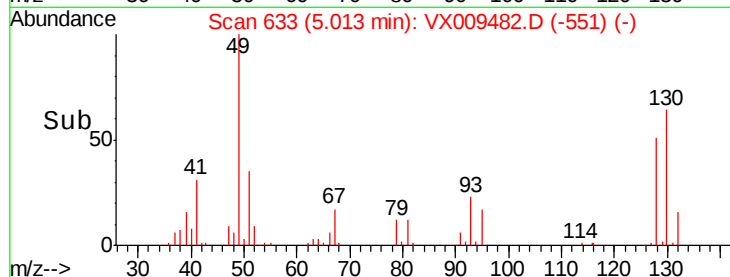
130 129.5 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.149 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009482.D

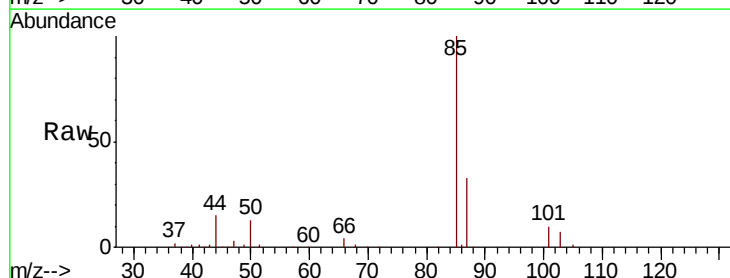
Acq: 10 May 2019 14:57

Tgt Ion: 85 Resp: 30457

Ion Ratio Lower Upper

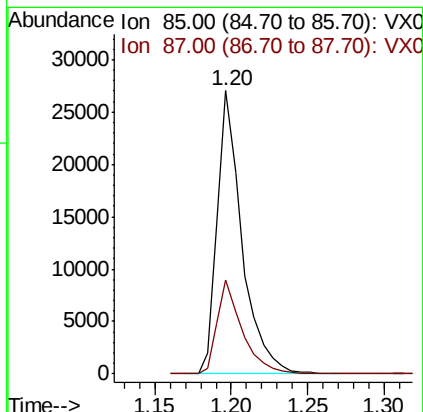
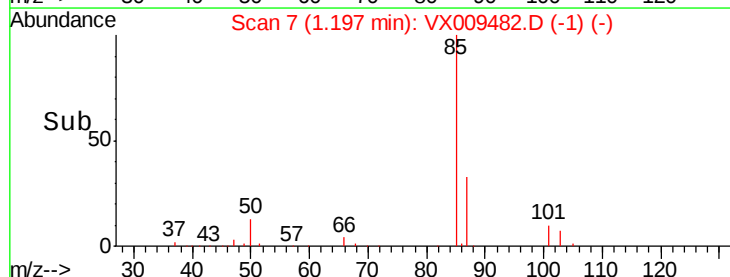
85 100

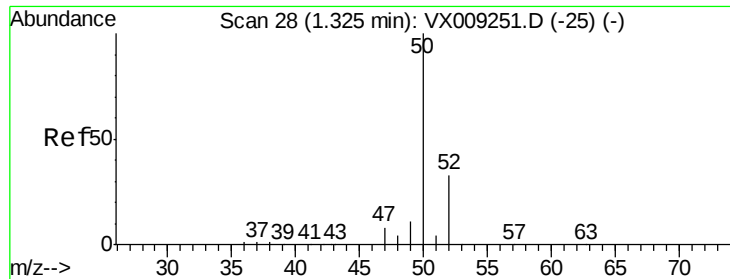
87 33.2 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

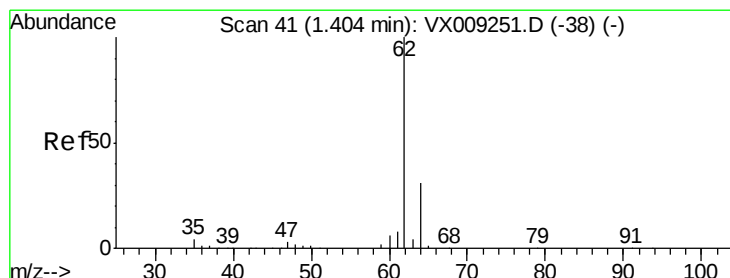
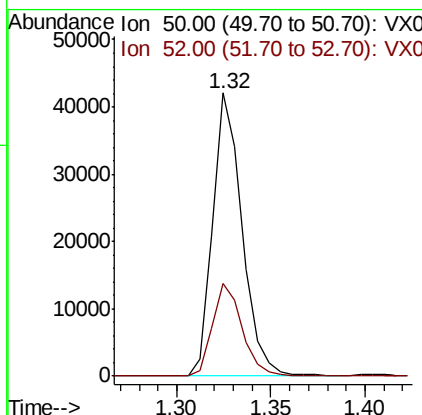
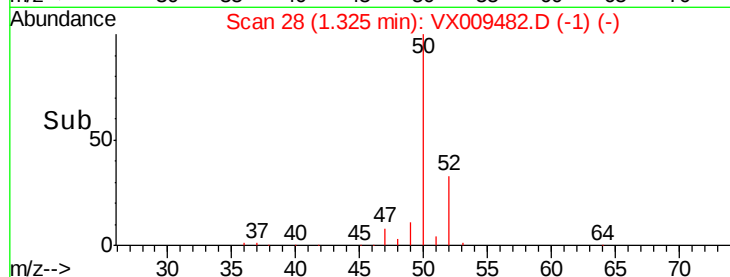
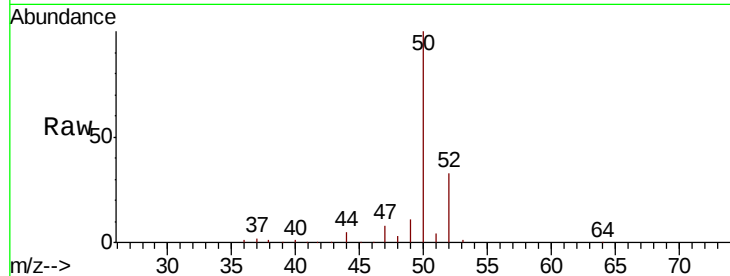




#3
 Chloromethane
 Concen: 22.292 ug/l
 RT: 1.32 min Scan# 28
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

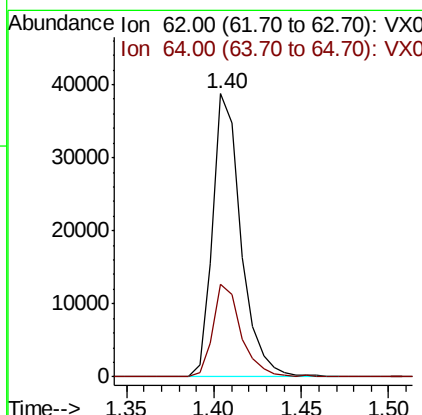
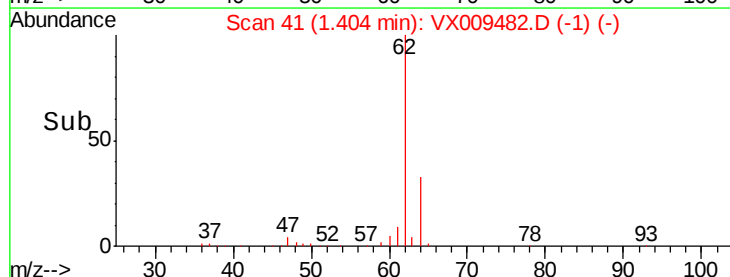
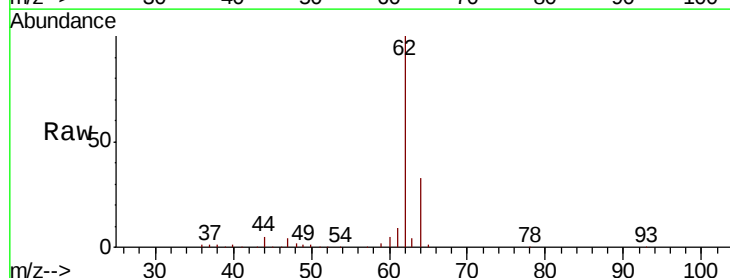
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

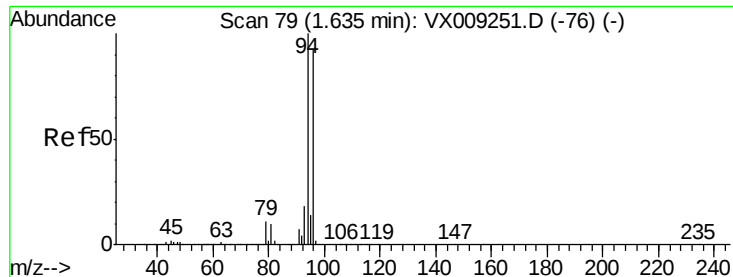
Tot Ion: 50 Resp: 45292
 Ion Ratio Lower Upper
 50 100
 52 32.8 26.3 39.5



#4
 Vinyl Chloride
 Concen: 21.395 ug/l
 RT: 1.40 min Scan# 41
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion: 62 Resp: 43366
 Ion Ratio Lower Upper
 62 100
 64 32.7 24.6 36.8





#5

Bromomethane

Concen: 19.274 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

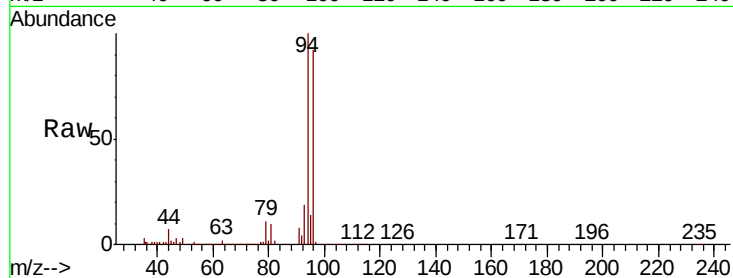
VSTDCCC020EC

Tot Ion: 94 Resp: 24764

Ion Ratio Lower Upper

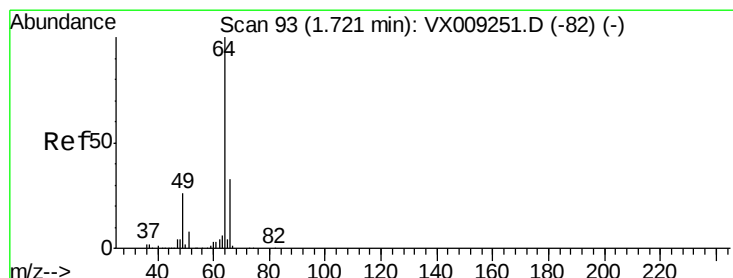
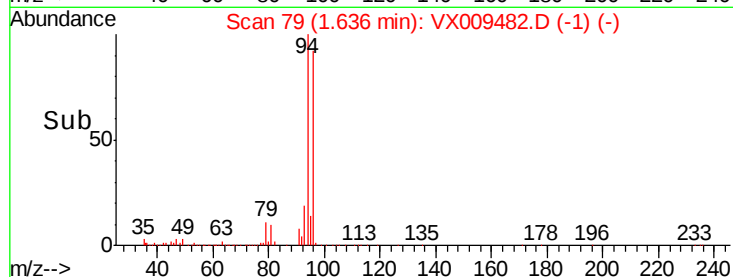
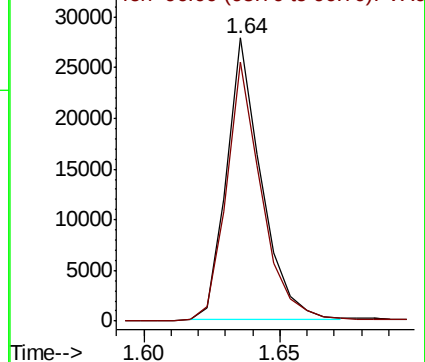
94 100

96 91.6 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: 22.296 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009482.D

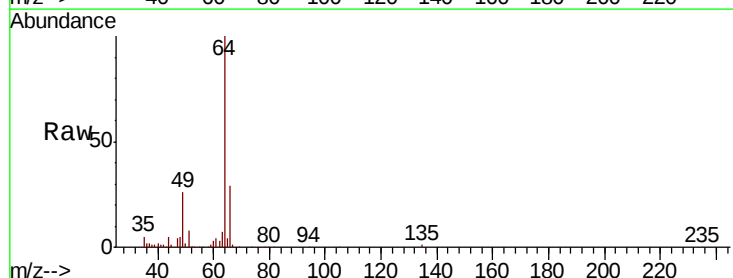
Acq: 10 May 2019 14:57

Tgt Ion: 64 Resp: 29638

Ion Ratio Lower Upper

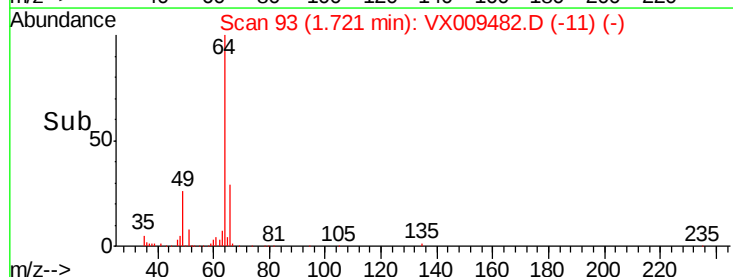
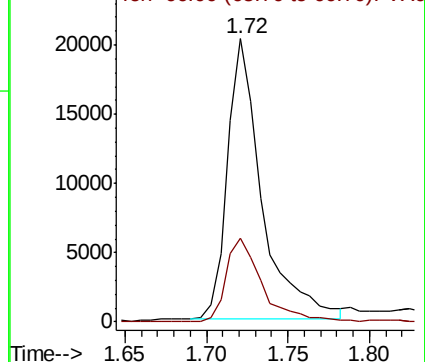
64 100

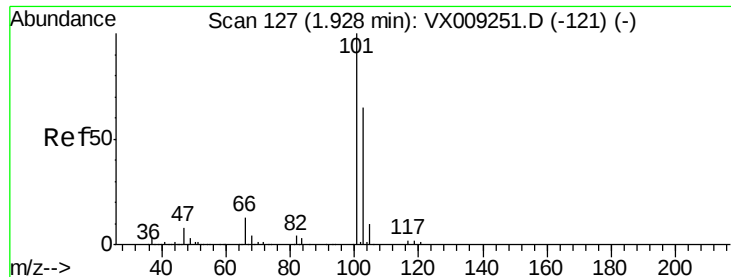
66 29.4 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



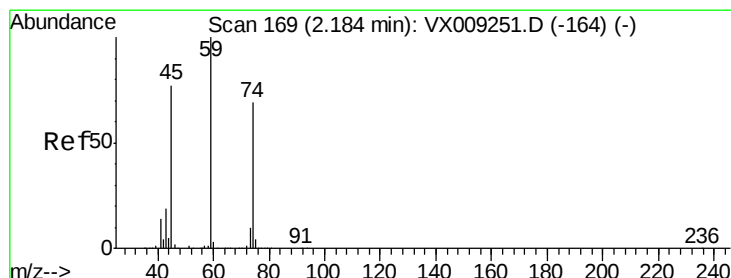
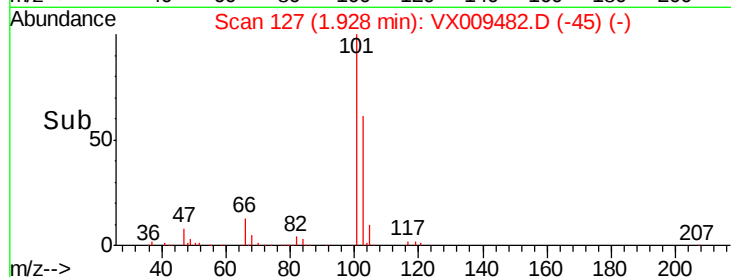
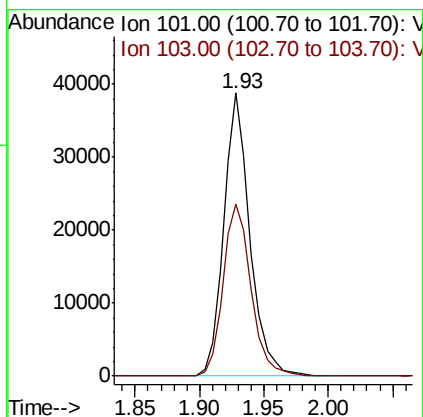
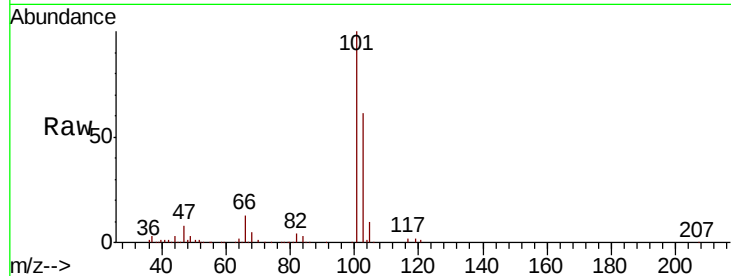


#7

Trichlorofluoromethane
 Concen: 22.073 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Instrument :
 MSVOA_X
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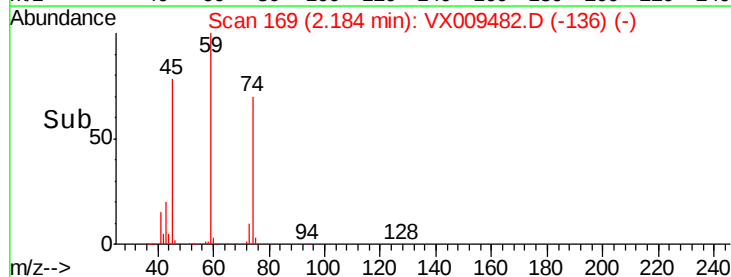
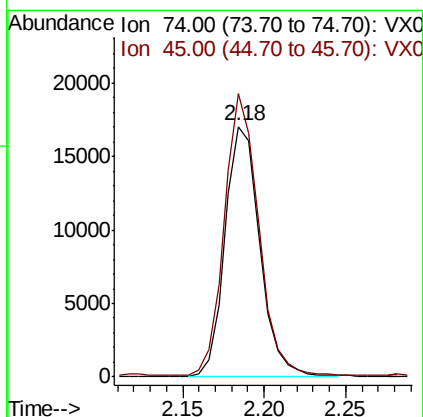
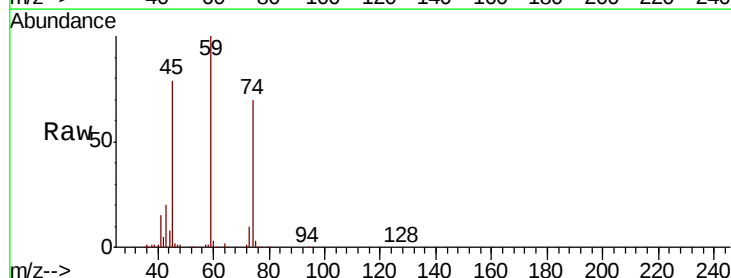
Tot Ion:101 Resp: 55246
 Ion Ratio Lower Upper
 101 100
 103 60.9 51.9 77.9

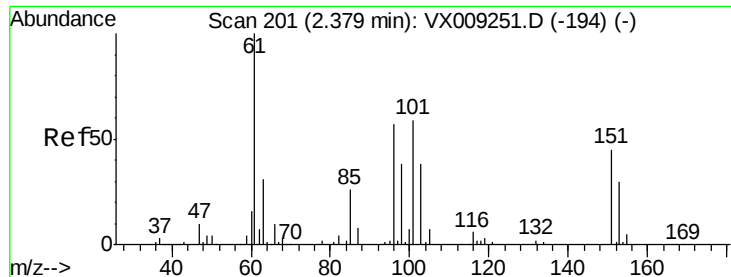


#8

Diethyl Ether
 Concen: 21.864 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion: 74 Resp: 25410
 Ion Ratio Lower Upper
 74 100
 45 110.2 21.5 193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.096 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

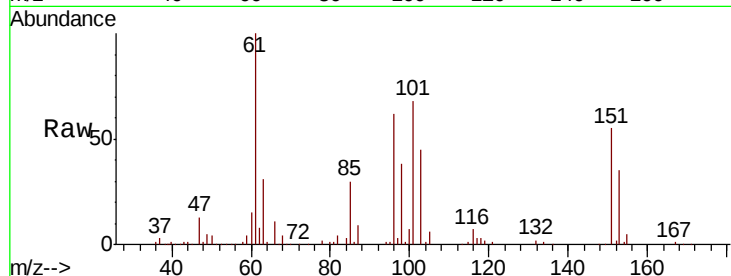
Tot Ion:101 Resp: 34240

Ion Ratio Lower Upper

101 100

85 44.5 0.0 87.4

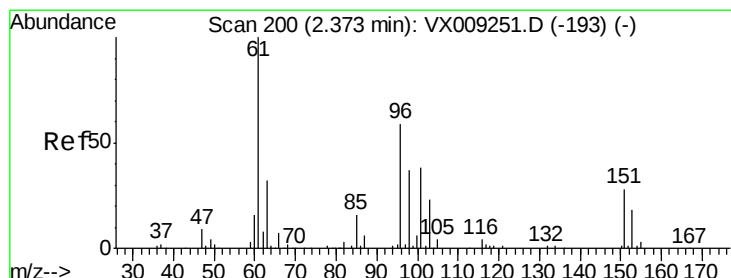
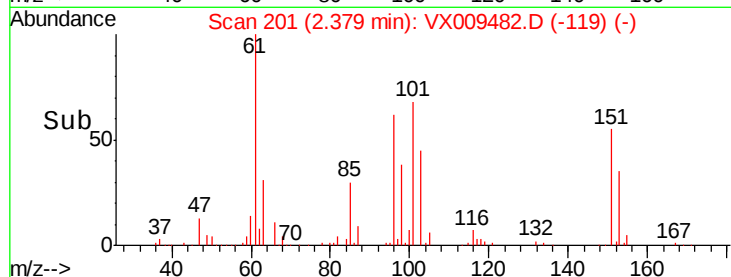
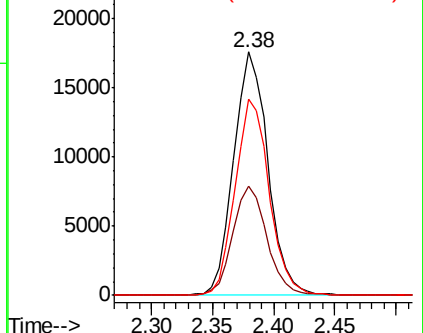
151 80.0 0.0 157.0



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: 22.599 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

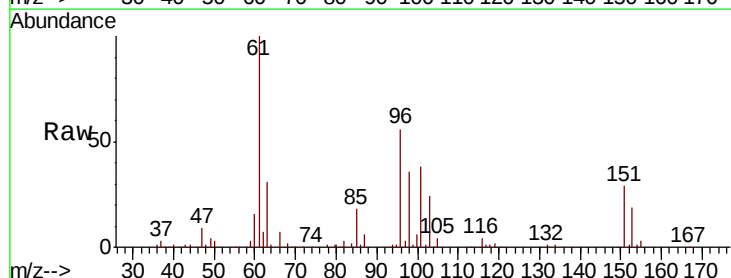
Tgt Ion: 96 Resp: 35163

Ion Ratio Lower Upper

96 100

61 179.6 136.5 204.7

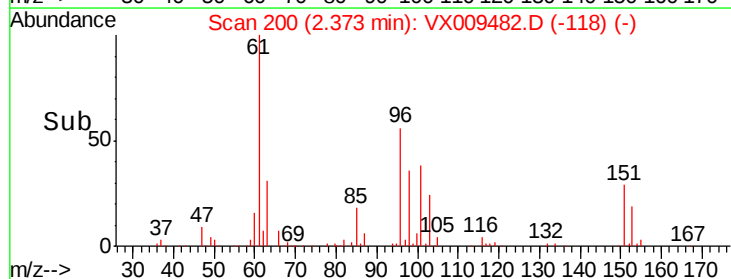
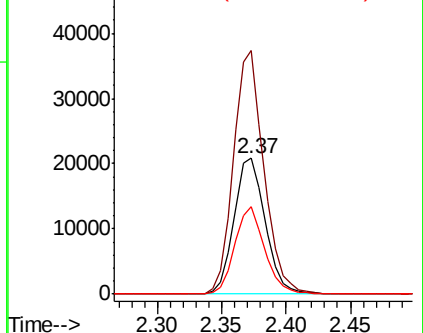
98 64.1 51.0 76.4

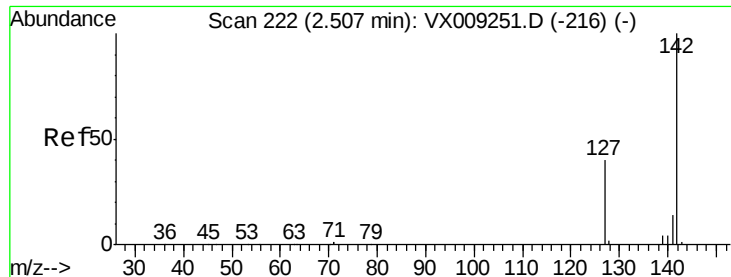


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

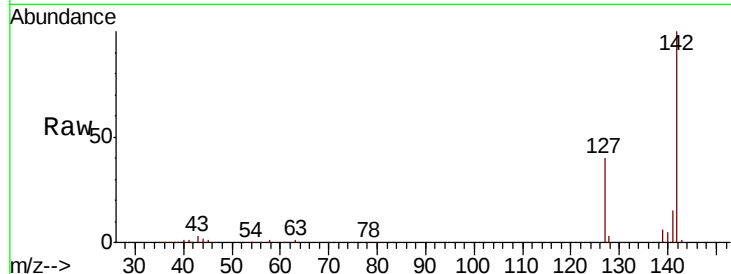




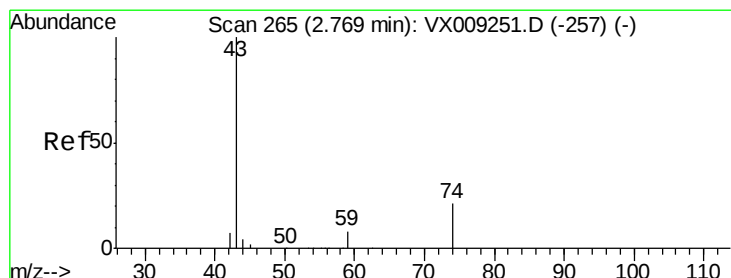
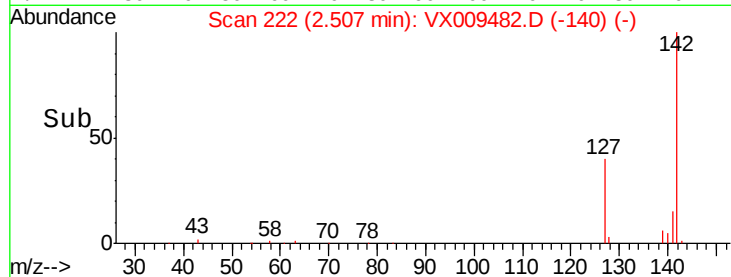
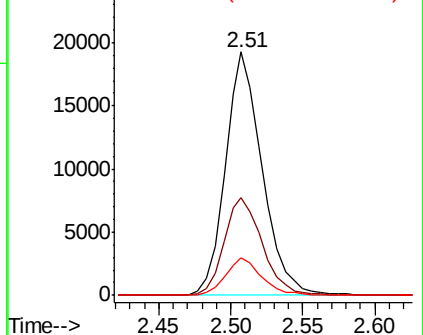
#11
Methvl Iodide
Concen: 20.248 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 34249
Ion Ratio Lower Upper
142 100
127 40.2 20.2 60.5
141 15.0 6.9 20.7

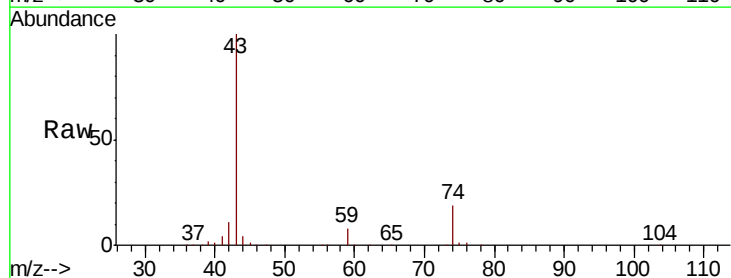


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

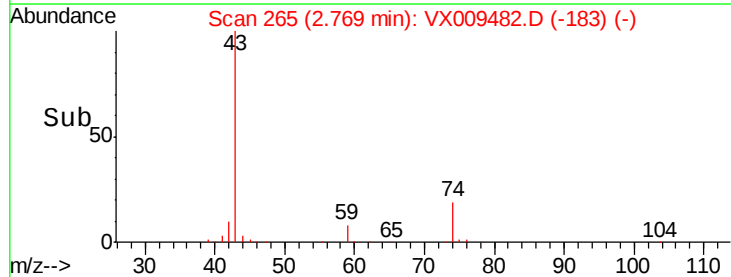
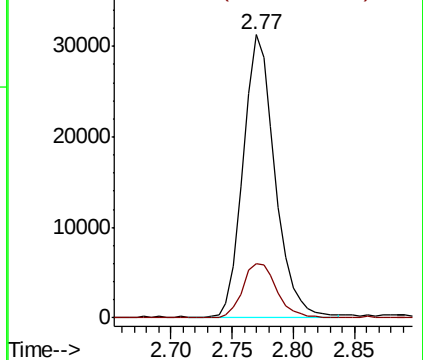


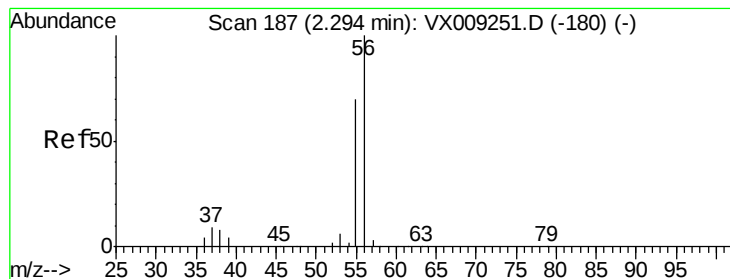
#12
Methyl Acetate
Concen: 19.253 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion: 43 Resp: 56425
Ion Ratio Lower Upper
43 100
74 18.9 16.5 24.7



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





#13

Acrolein

Concen: 99.031 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

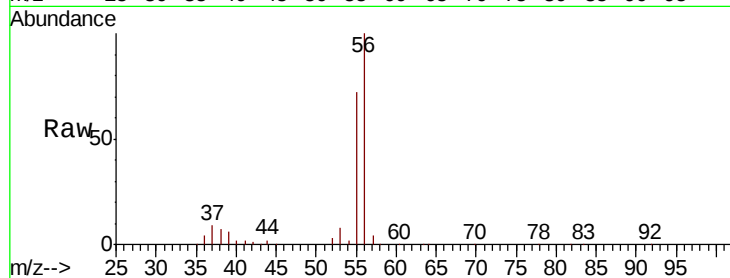
VSTDCCC020EC

Tot Ion: 56 Resp: 39807

Ion Ratio Lower Upper

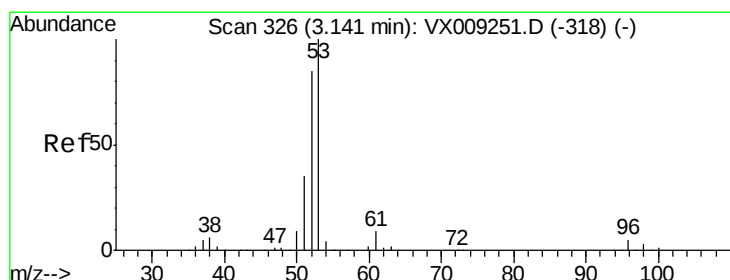
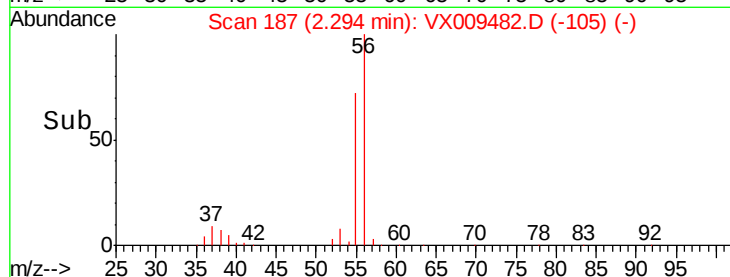
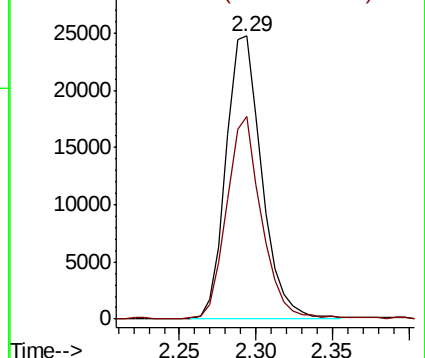
56 100

55 70.9 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 103.955 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

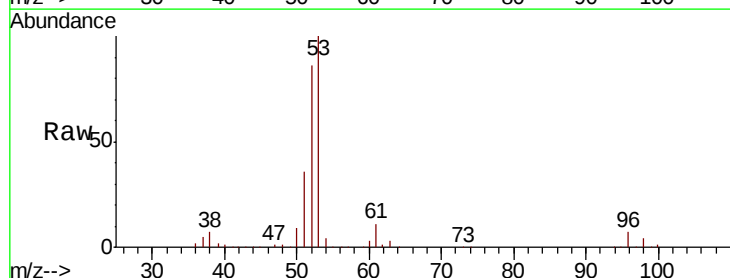
Tgt Ion: 53 Resp: 132218

Ion Ratio Lower Upper

53 100

52 84.6 41.5 124.5

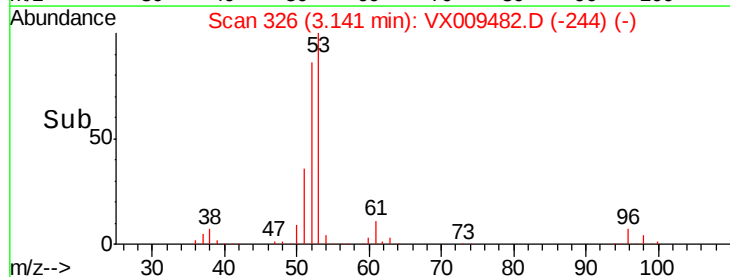
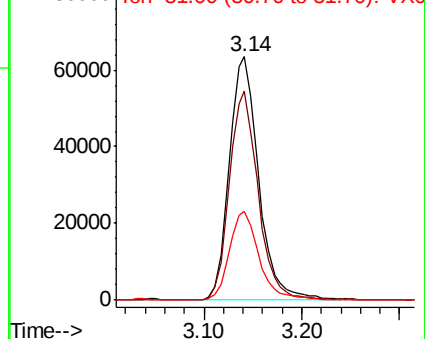
51 36.9 17.8 53.3

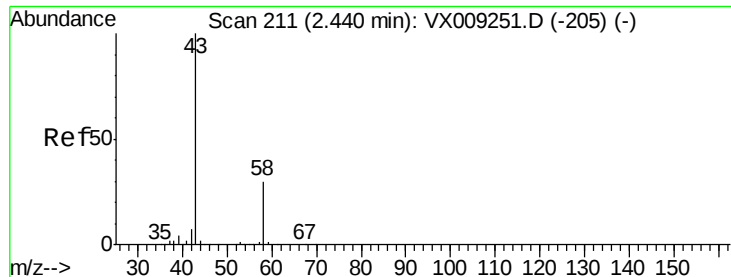


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 106.804 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

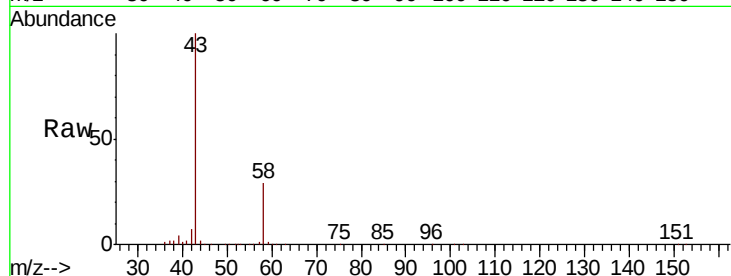
VSTDCCC020EC

Tot Ion: 58 Resp: 39002

Ion Ratio Lower Upper

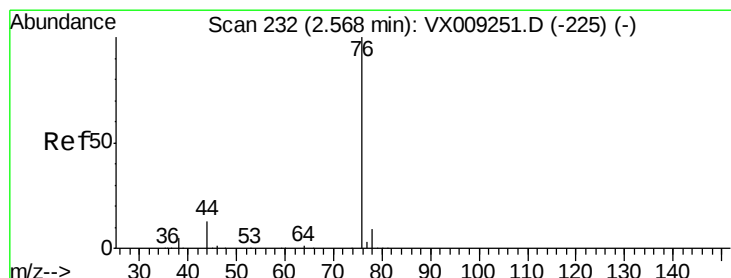
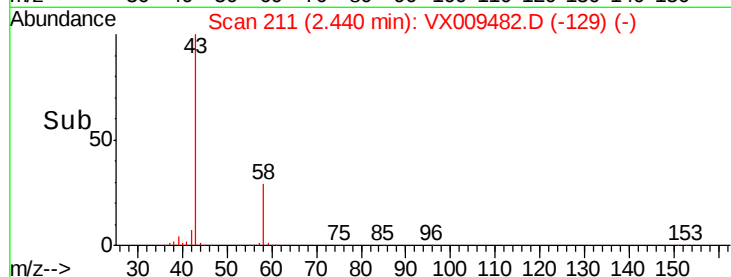
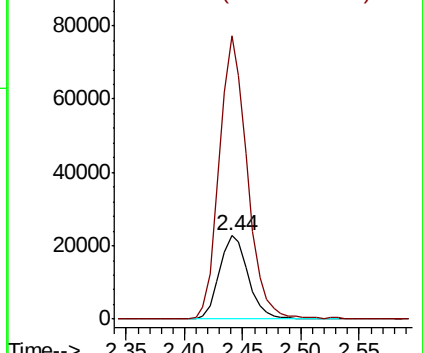
58 100

43 339.2 264.0 396.0



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 23.085 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009482.D

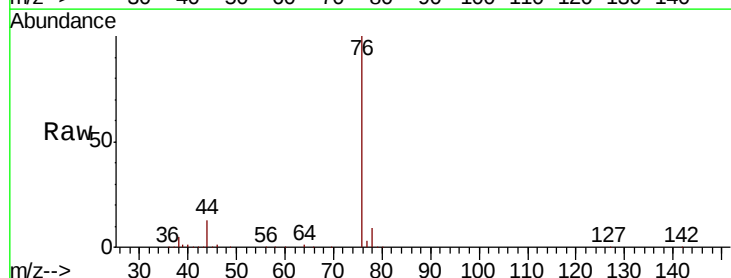
Acq: 10 May 2019 14:57

Tgt Ion: 76 Resp: 97185

Ion Ratio Lower Upper

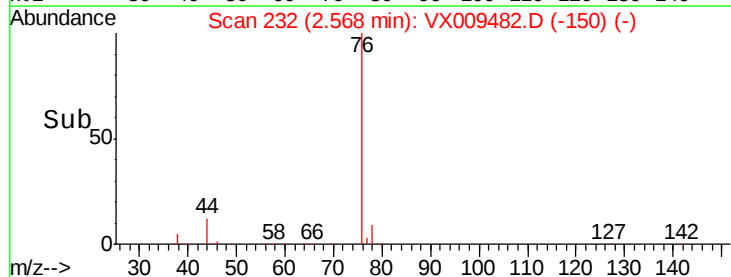
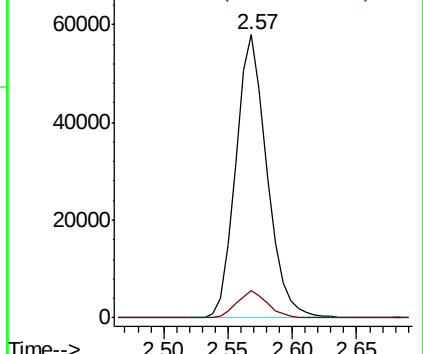
76 100

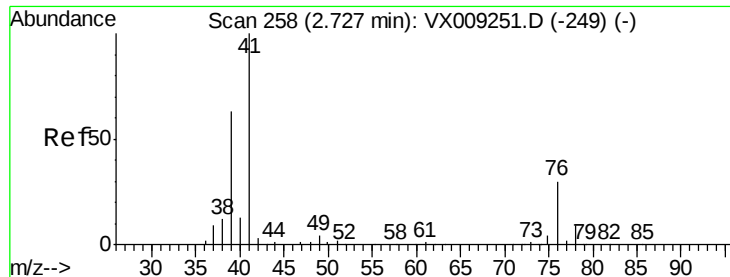
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

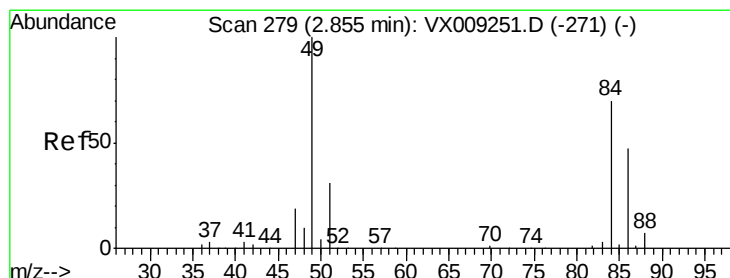
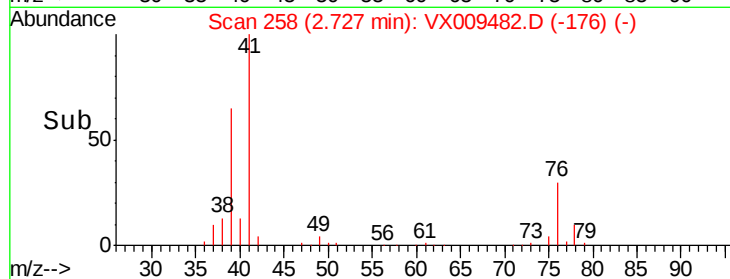
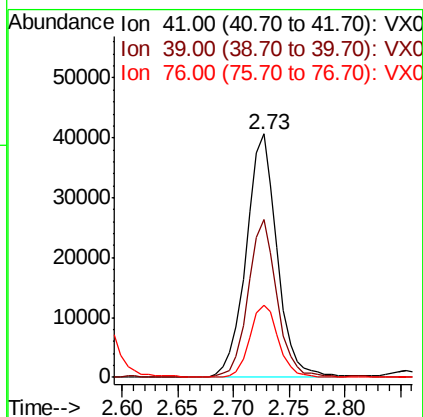
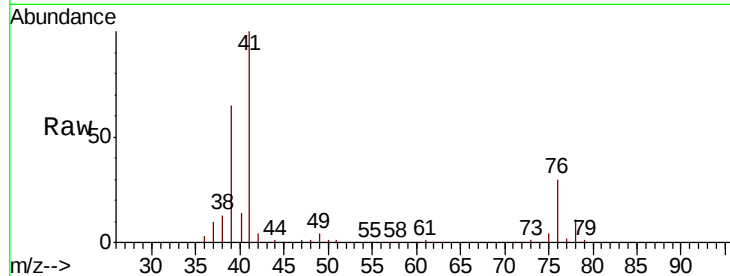




#17
Allvl chloride
Concen: 20.969 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

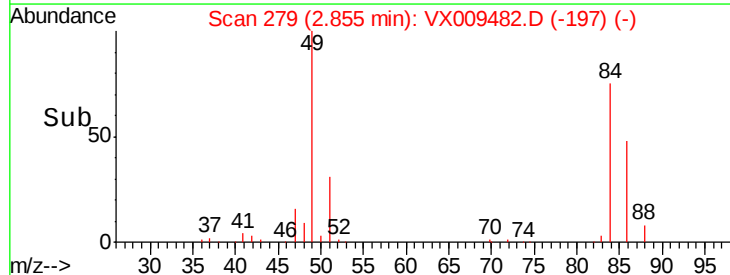
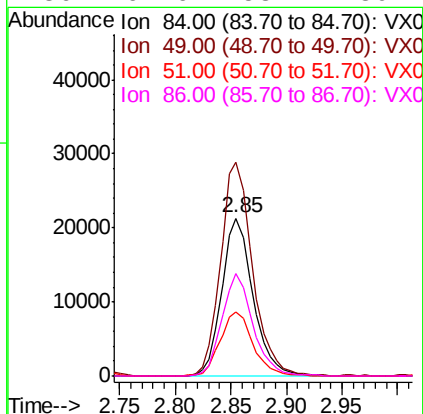
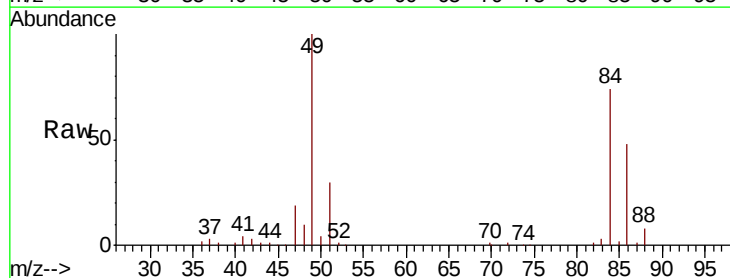
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

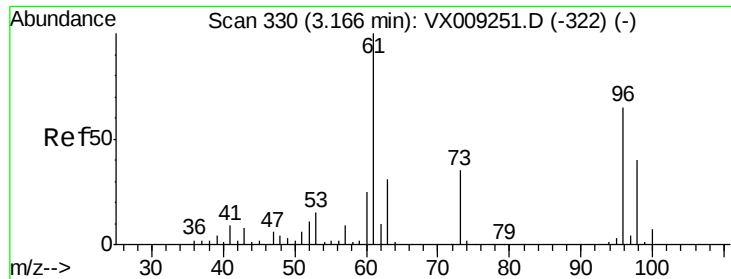
Tot Ion: 41 Resp: 78331
Ion Ratio Lower Upper
41 100
39 64.7 31.6 94.7
76 29.4 15.1 45.3



#18
Methylene Chloride
Concen: 21.985 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion: 84 Resp: 41342
Ion Ratio Lower Upper
84 100
49 135.0 114.6 171.8
51 40.9 35.5 53.3
86 64.6 53.4 80.2

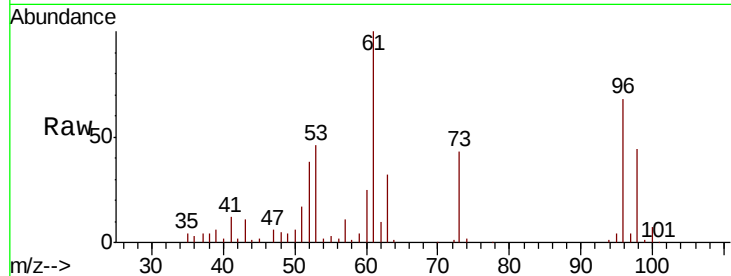




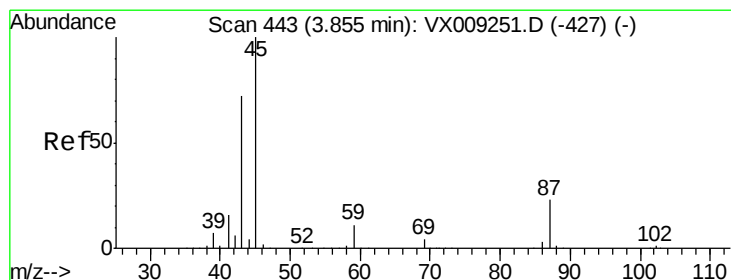
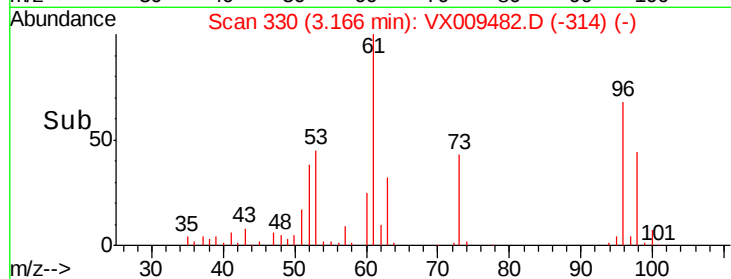
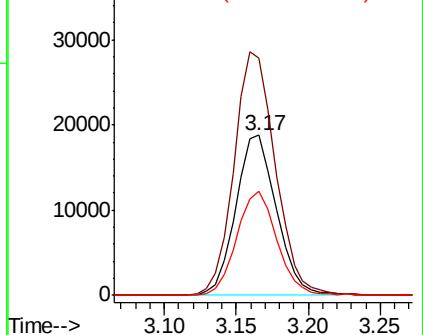
#19
trans-1,2-Dichloroethene
Concen: 22.356 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 37089
Ion Ratio Lower Upper
96 100
61 147.5 122.7 184.1
98 65.1 49.5 74.3

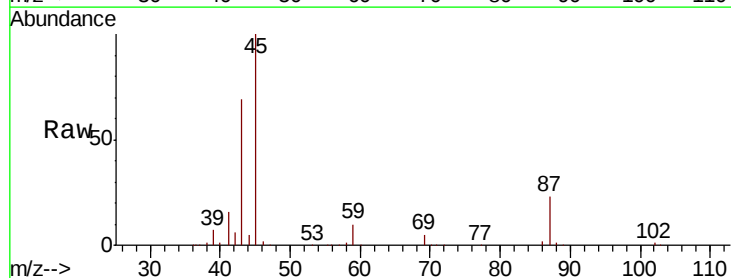


Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

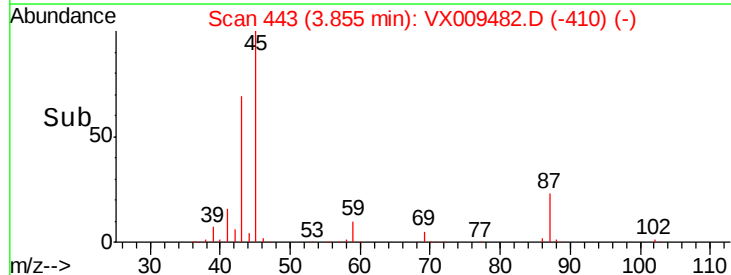
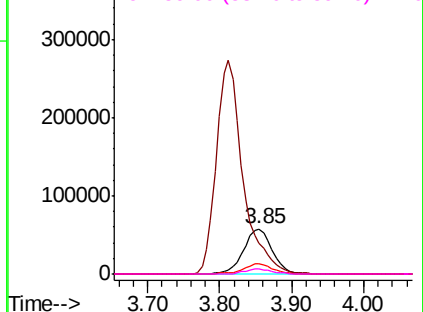


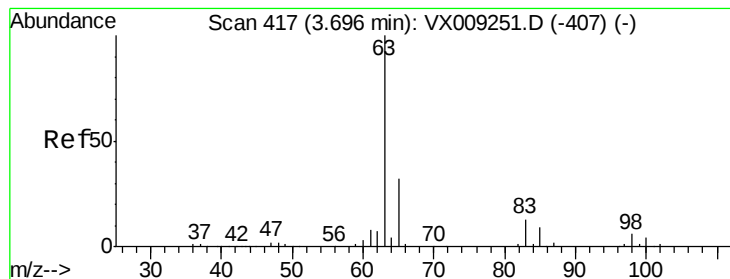
#20
Diisopropyl ether
Concen: 21.617 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion: 45 Resp: 159015
Ion Ratio Lower Upper
45 100
43 68.7 57.7 86.5
87 23.0 18.5 27.7
59 10.5 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 21.304 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

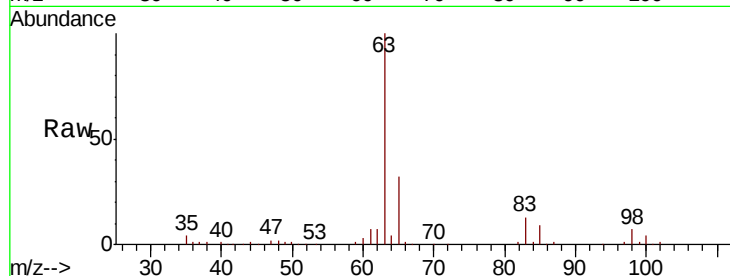
Tot Ion: 63 Resp: 75843

Ion Ratio Lower Upper

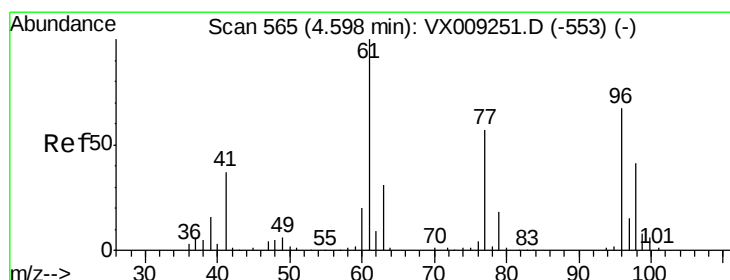
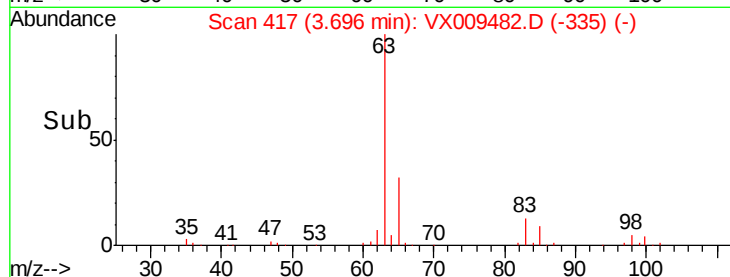
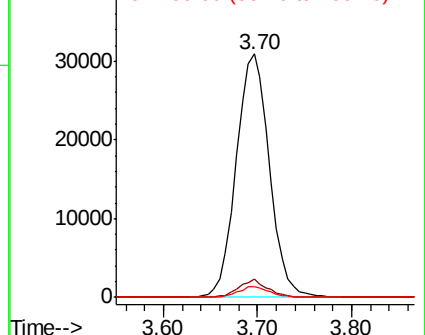
63 100

98 7.5 3.1 9.3

100 4.3 2.2 6.6



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 21.889 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

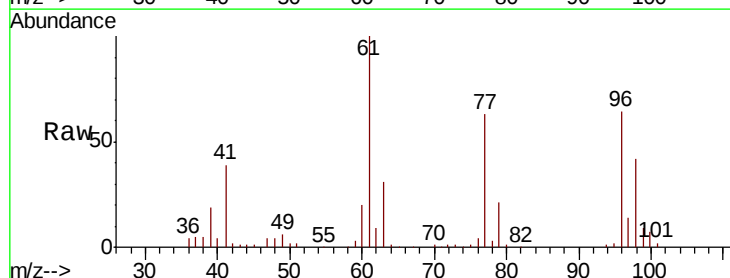
Tgt Ion: 96 Resp: 43742

Ion Ratio Lower Upper

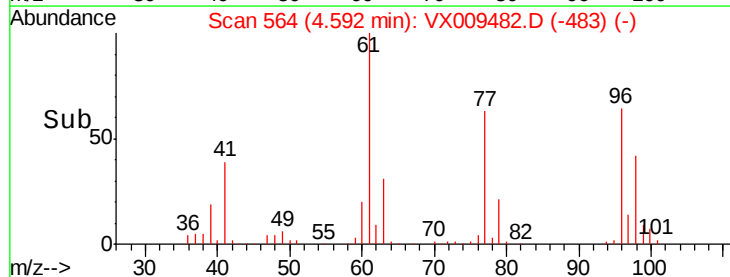
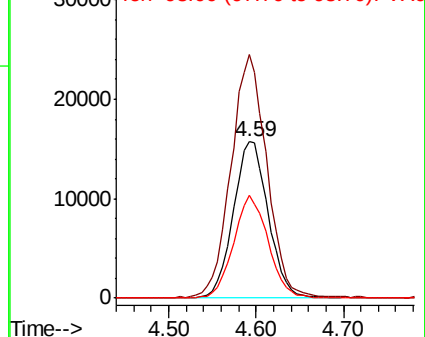
96 100

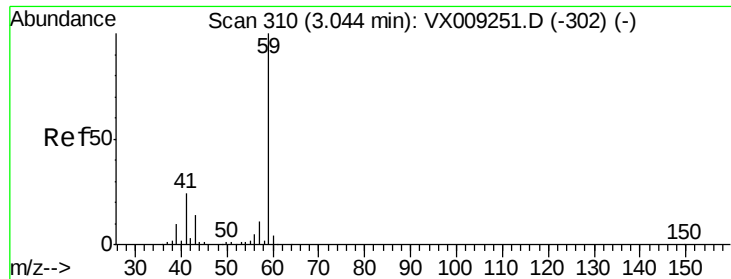
61 159.4 127.7 191.5

98 64.9 50.5 75.7



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





#23

tert-Butyl Alcohol

Concen: 93.132 ug/l

RT: 3.04 min Scan# 310

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

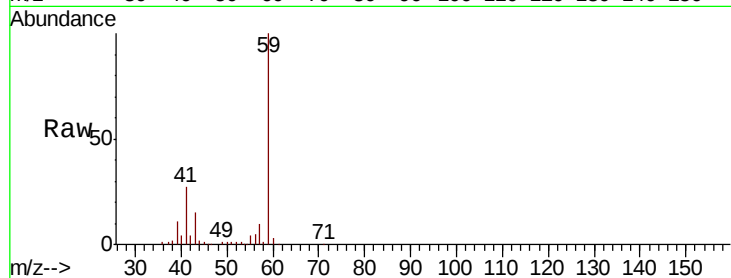
VSTDCCC020EC

Tot Ion: 59 Resp: 50087

Ion Ratio Lower Upper

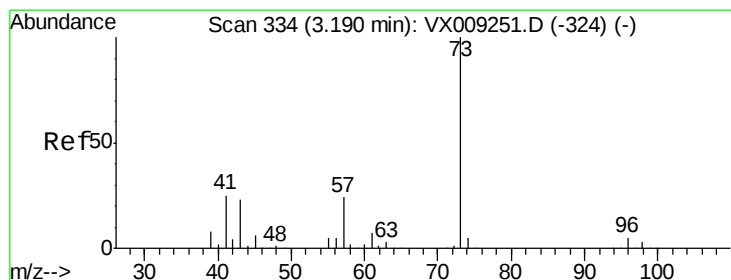
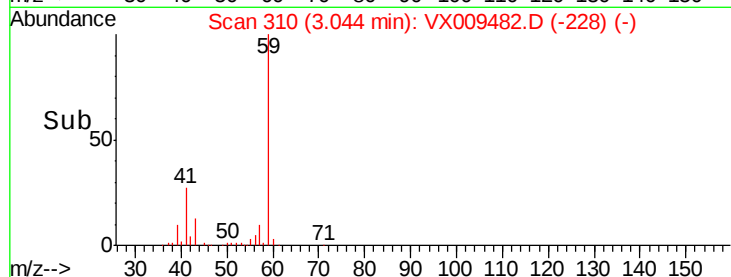
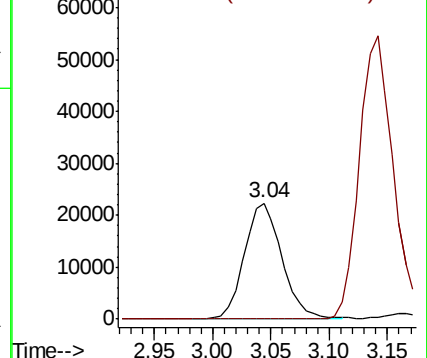
59 100

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: 21.521 ug/l

RT: 3.19 min Scan# 334

Delta R.T. 0.00 min

Lab File: VX009482.D

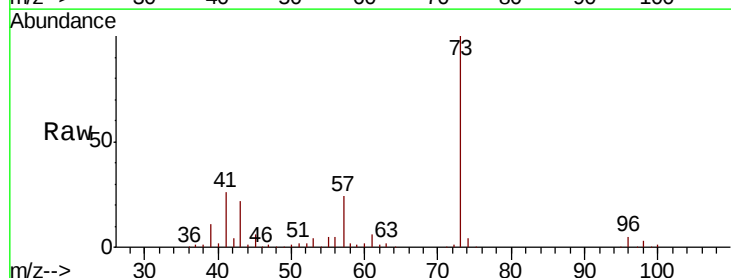
Acq: 10 May 2019 14:57

Tgt Ion: 73 Resp: 131046

Ion Ratio Lower Upper

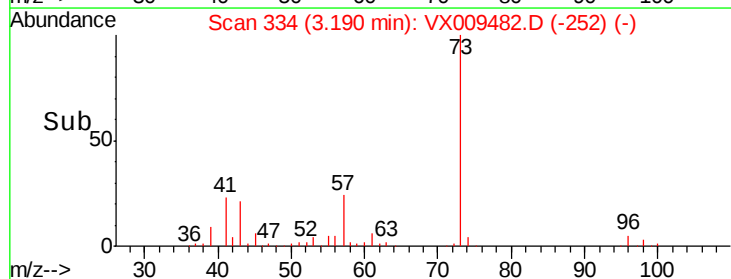
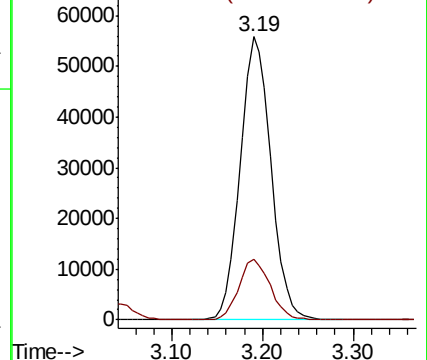
73 100

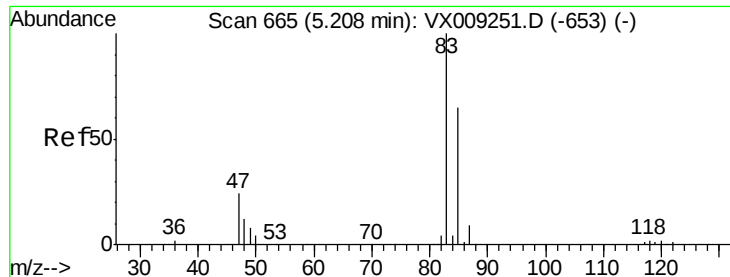
43 21.8 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

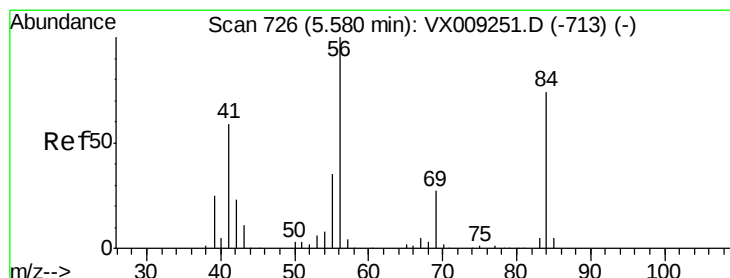
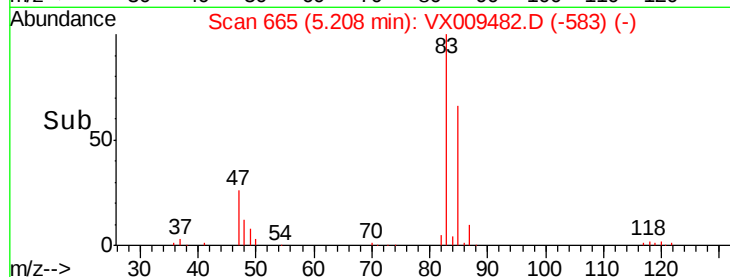
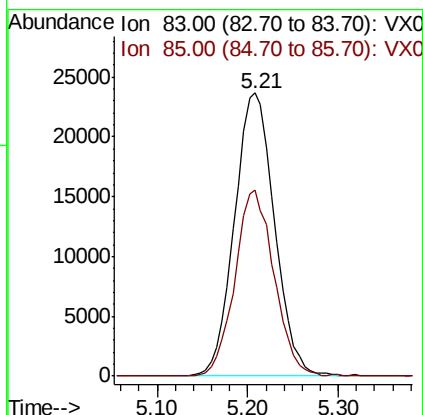
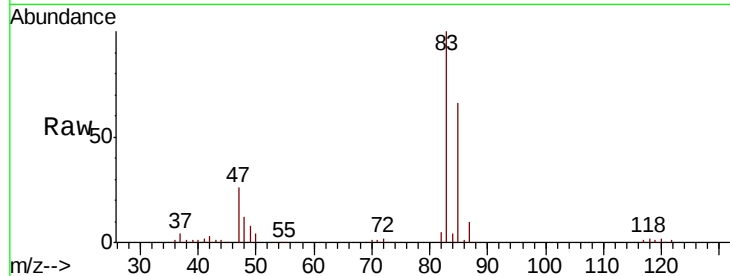




#25
Chloroform
Concen: 22.313 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

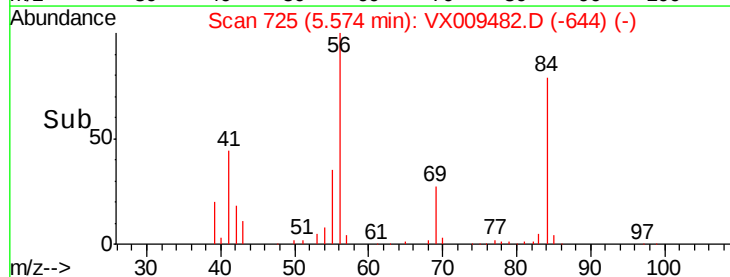
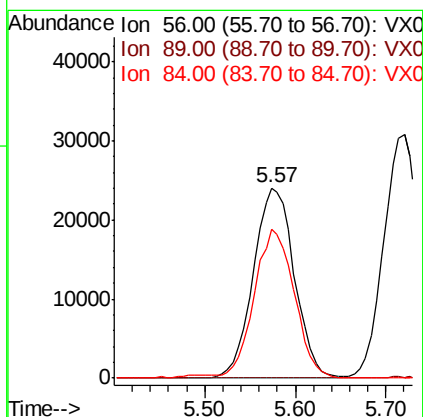
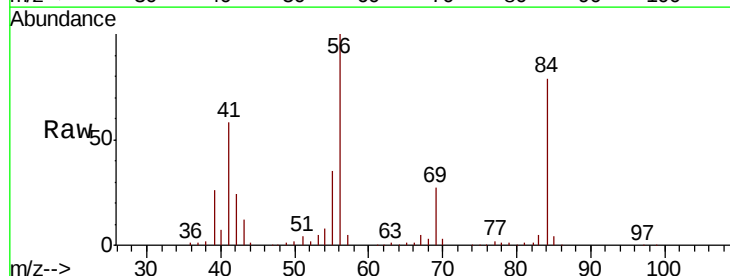
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

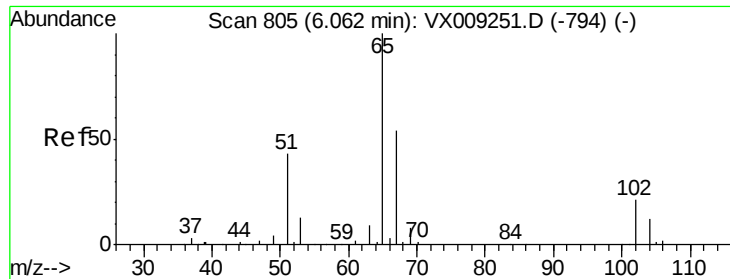
Tot Ion: 83 Resp: 72490
Ion Ratio Lower Upper
83 100
85 65.9 51.9 77.9



#26
Cyclohexane
Concen: 22.664 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion: 56 Resp: 75196
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 76.7 59.7 89.5





#27

1,2-Dichloroethane-d4

Concen: 29.647 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

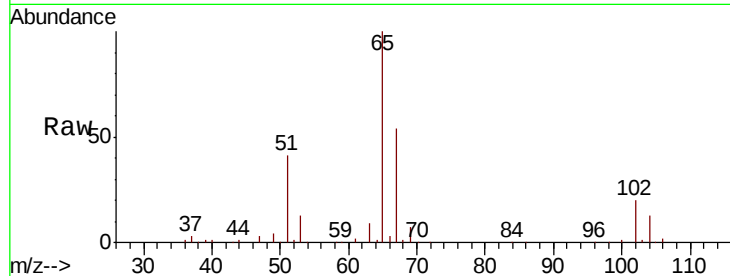
VSTDCCC020EC

Tot Ion: 65 Resp: 69962

Ion Ratio Lower Upper

65 100

67 53.1 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

25000

20000

15000

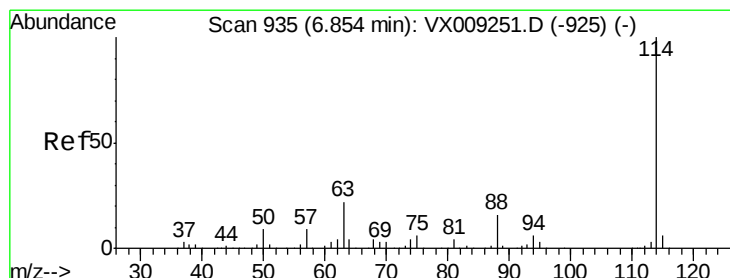
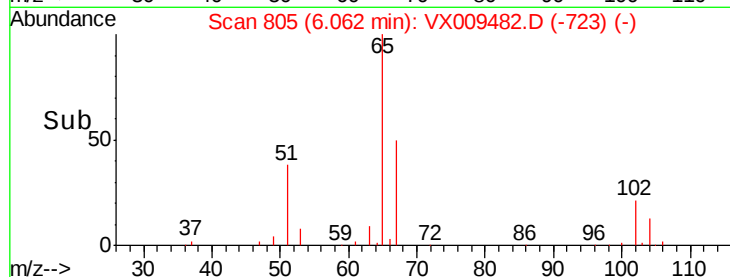
10000

5000

0

5.95 6.00 6.05 6.10 6.15

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

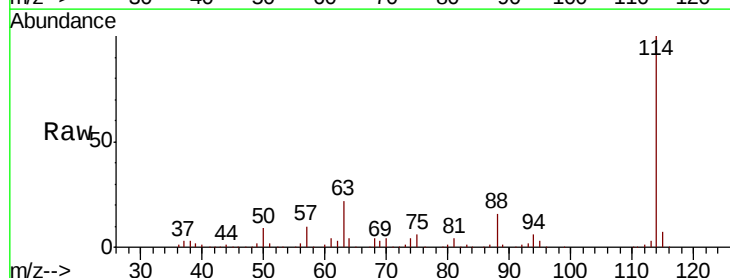
Tgt Ion: 114 Resp: 164920

Ion Ratio Lower Upper

114 100

63 22.8 18.0 27.0

88 16.3 13.4 20.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.85

80000

60000

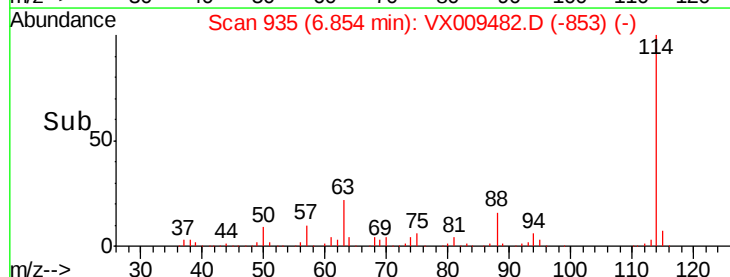
40000

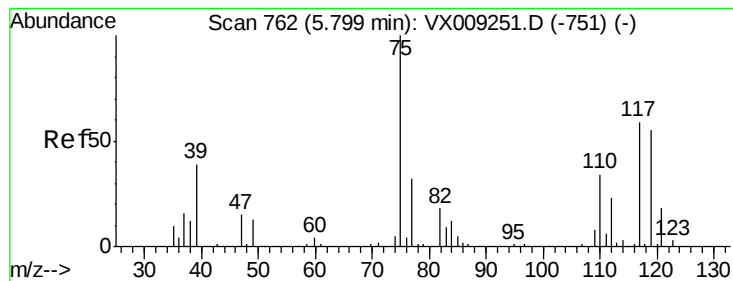
20000

0

6.80 6.90 7.00

Time-->





#29

1,1-Dichloropropene

Concen: 22.984 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

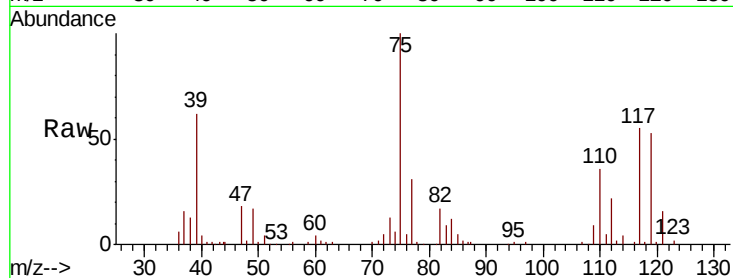
Tot Ion: 75 Resp: 55620

Ion Ratio Lower Upper

75 100

110 33.3 0.0 66.4

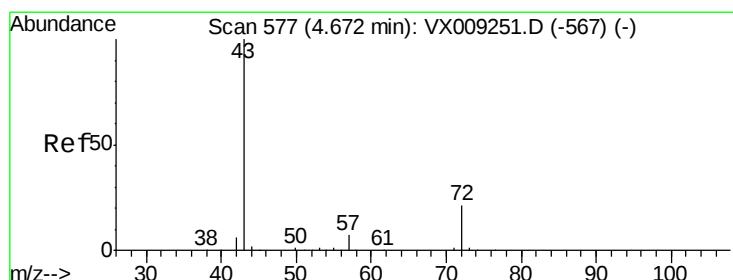
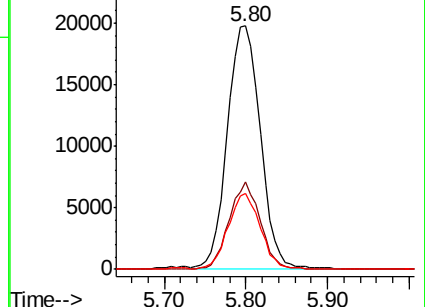
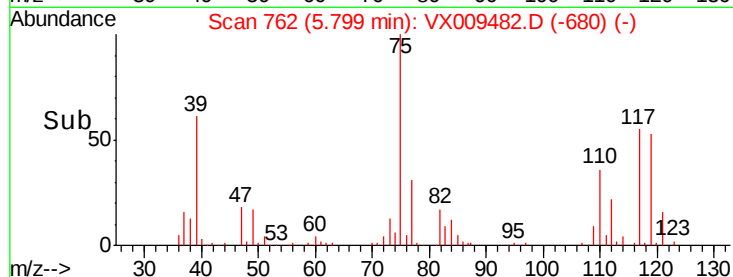
77 30.2 0.0 62.2



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: 105.049 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

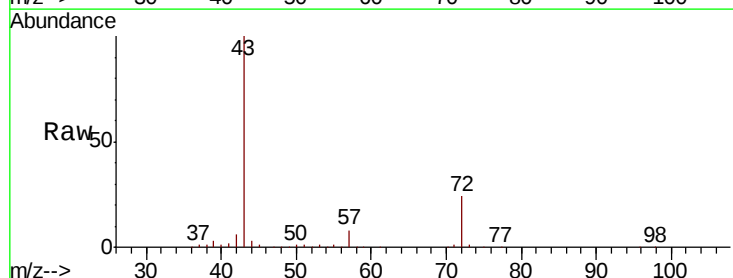
Tgt Ion: 43 Resp: 199084

Ion Ratio Lower Upper

43 100

57 7.7 6.0 9.0

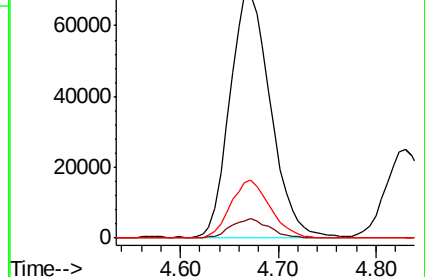
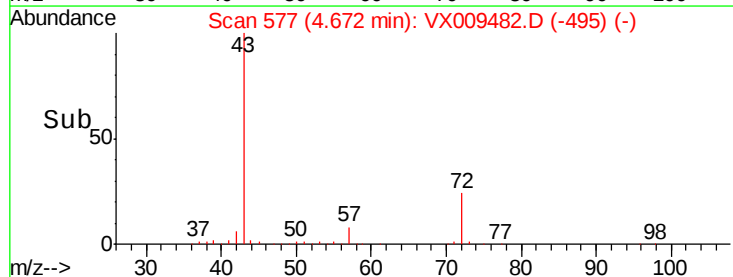
72 22.8 18.2 27.4

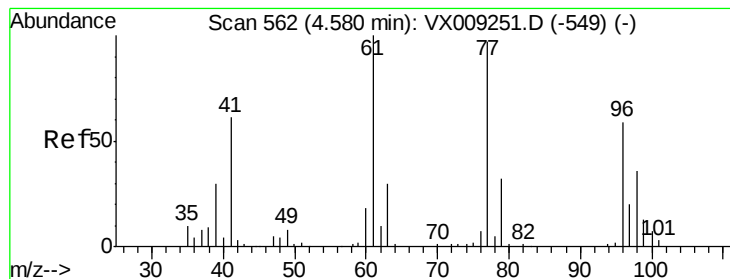


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 21.366 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

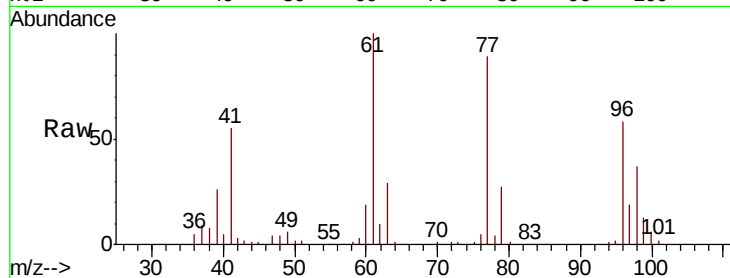
VSTDCCC020EC

Tot Ion: 77 Resp: 57000

Ion Ratio Lower Upper

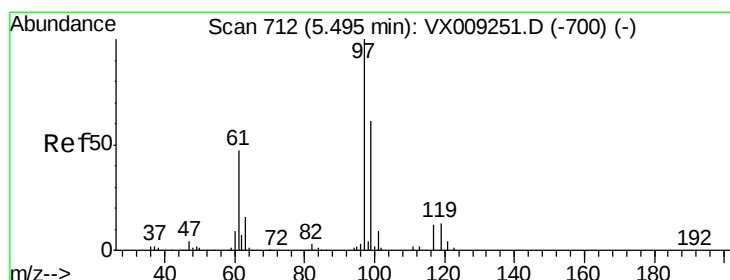
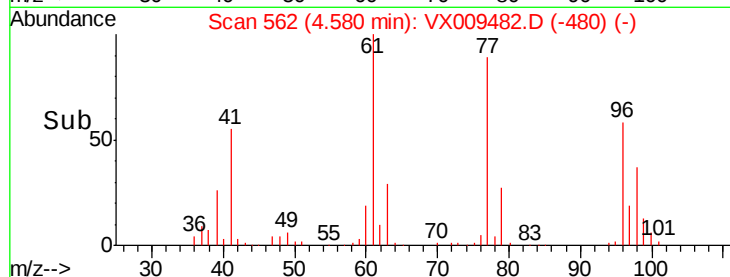
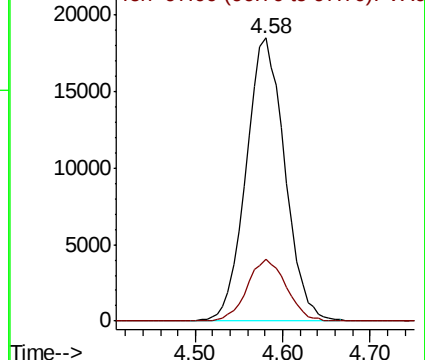
77 100

97 22.1 18.3 27.5



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 22.072 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

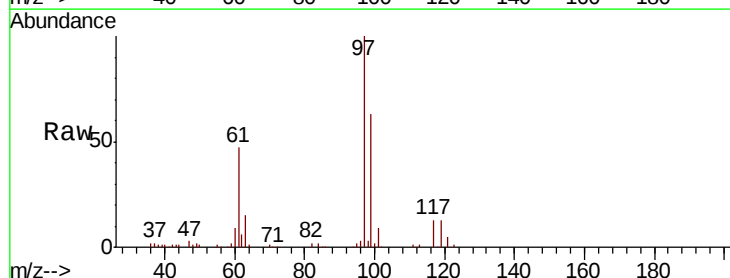
Tgt Ion: 97 Resp: 57902

Ion Ratio Lower Upper

97 100

99 64.8 53.9 80.9

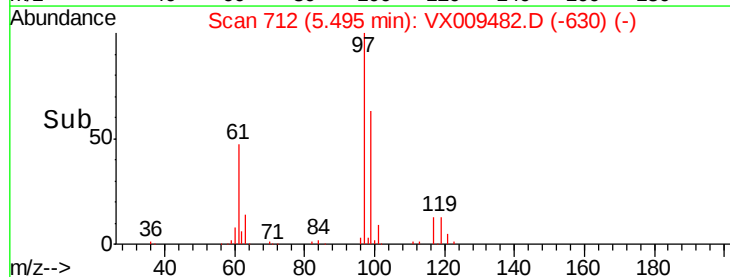
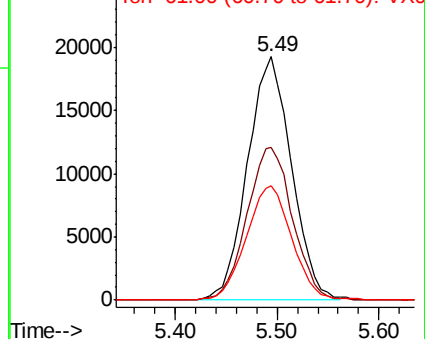
61 48.2 38.6 58.0

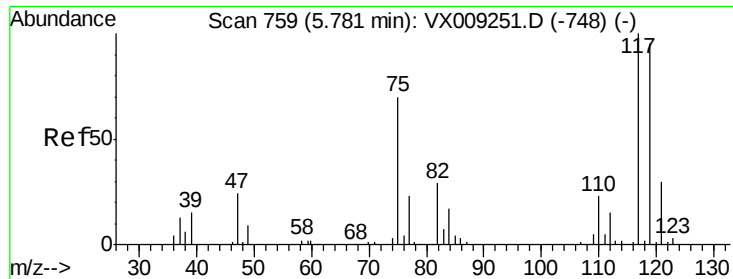


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

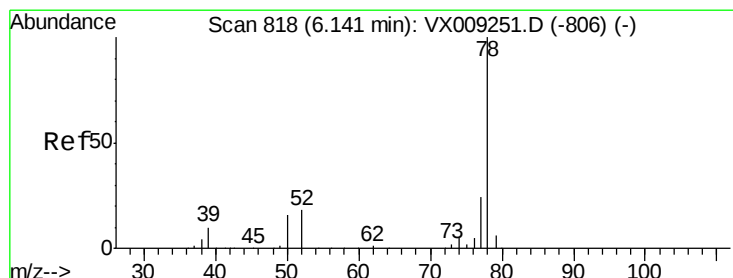
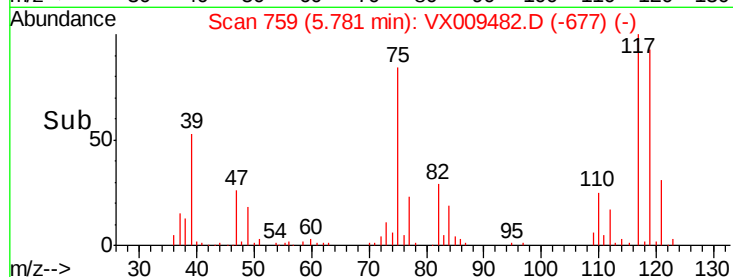
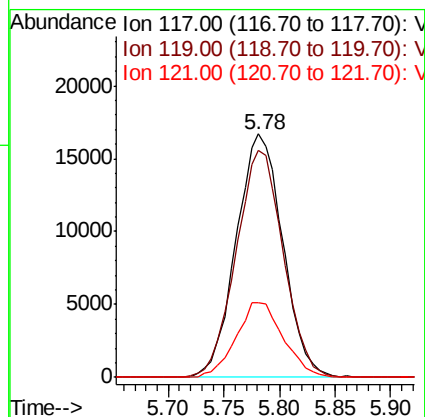
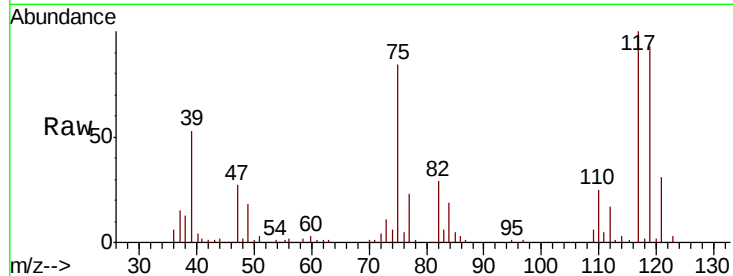




#33
Carbon Tetrachloride
Concen: 22.085 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

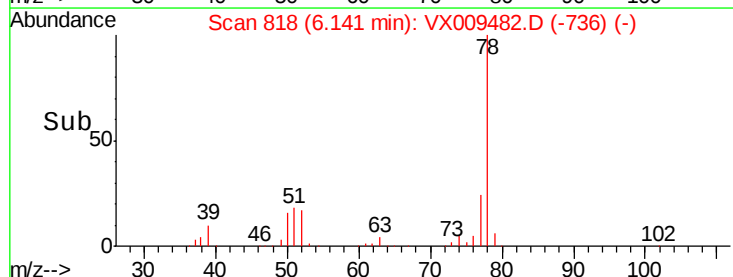
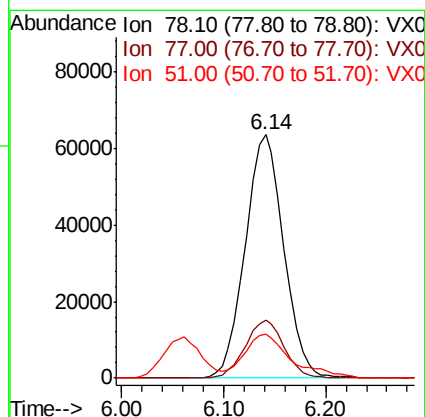
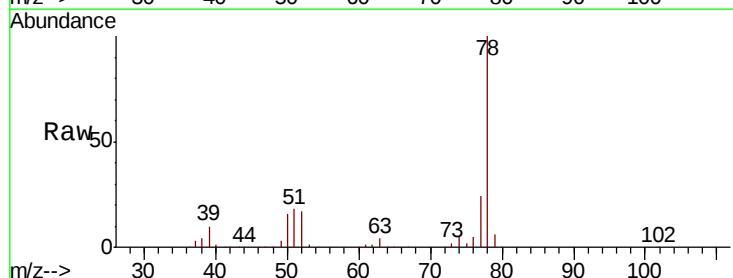
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

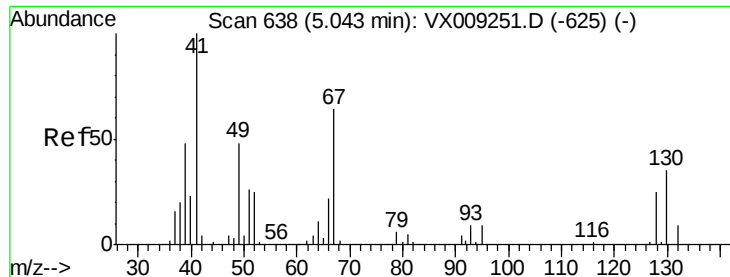
Tot Ion:117 Resp: 48476
Ion Ratio Lower Upper
117 100
119 92.7 76.1 114.1
121 30.8 24.4 36.6



#34
Benzene
Concen: 22.396 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion: 78 Resp: 167090
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2
51 16.6 13.5 20.3

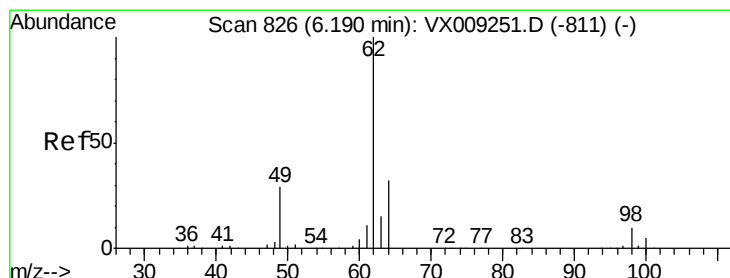
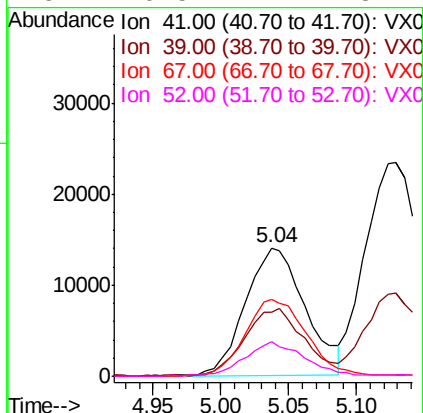
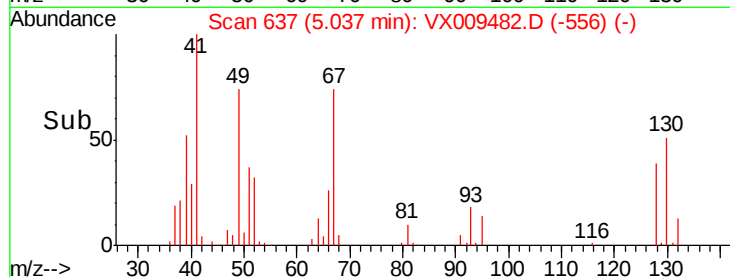
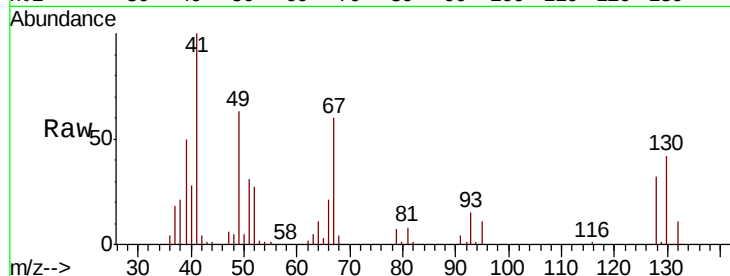




#35
Methacrylonitrile
Concen: 21.697 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

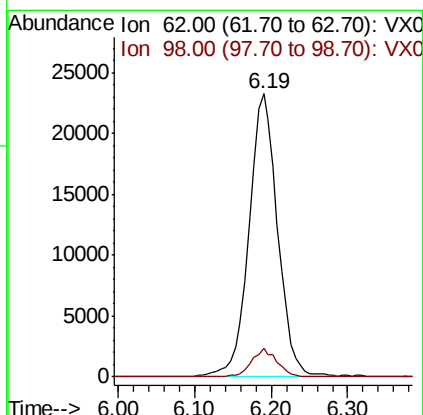
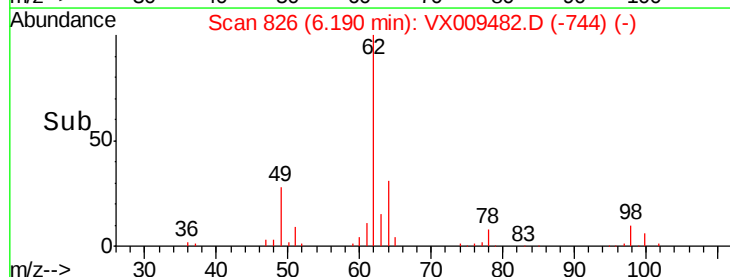
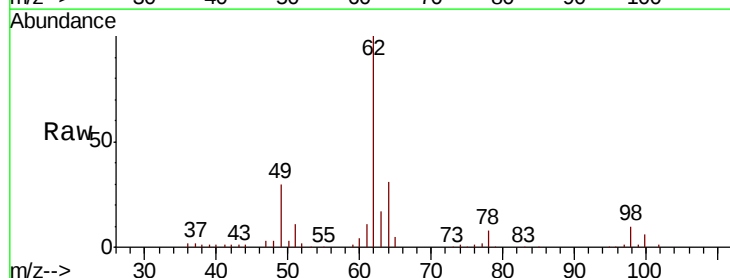
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

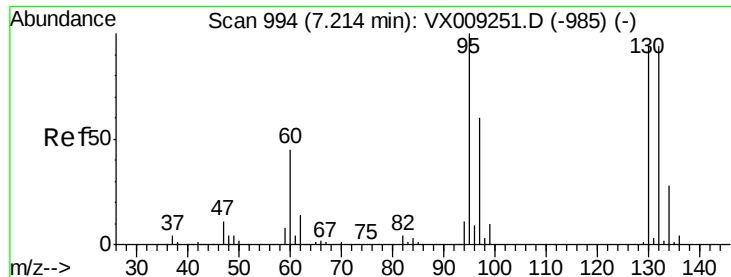
Tot Ion:	41	Resp:	43021
Ion	Ratio	Lower	Upper
41	100		
39	49.9	24.1	72.3
67	60.2	32.2	96.6
52	26.5	12.4	37.4



#36
1,2-Dichloroethane
Concen: 22.456 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion:	62	Resp:	60790
Ion	Ratio	Lower	Upper
62	100		
98	8.9	7.4	11.2

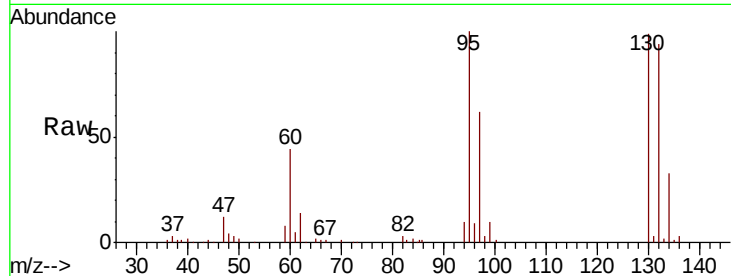




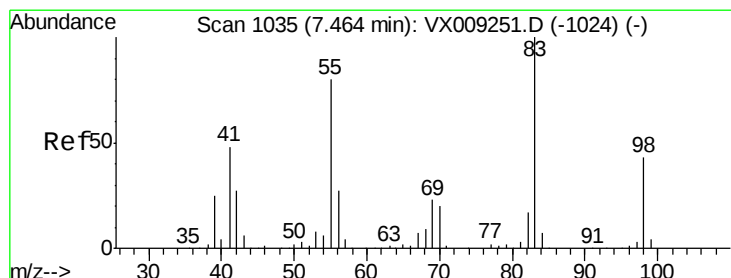
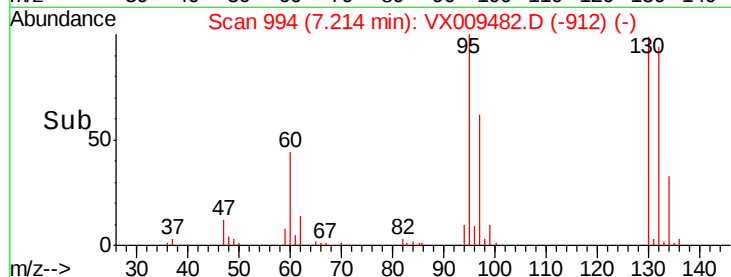
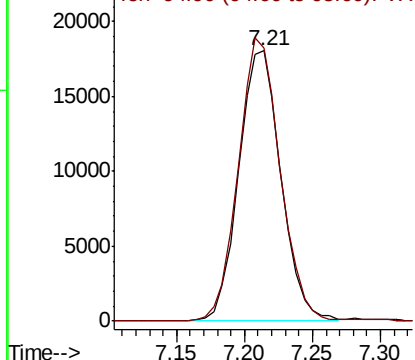
#37
 Trichloroethene
 Concen: 21.781 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 39118
 Ion Ratio Lower Upper
 130 100
 95 101.3 85.0 127.4

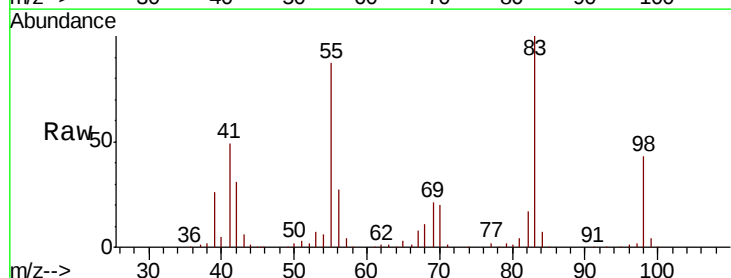


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

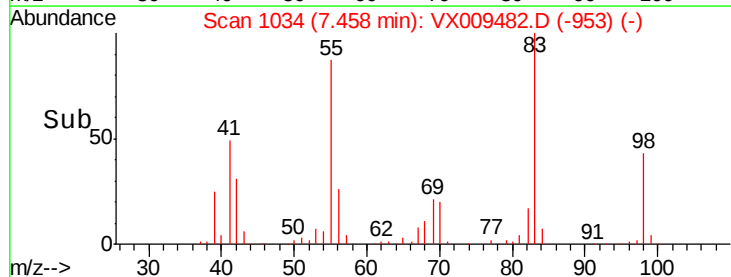
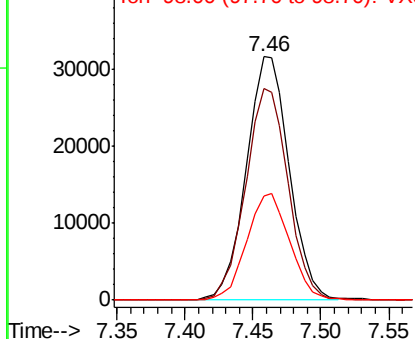


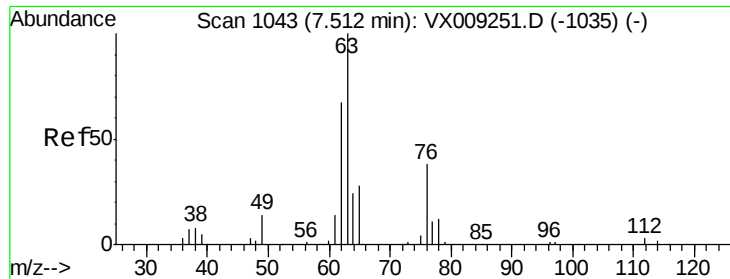
#38
 Methylcyclohexane
 Concen: 23.371 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion: 83 Resp: 69874
 Ion Ratio Lower Upper
 83 100
 55 86.5 43.0 129.2
 98 43.8 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

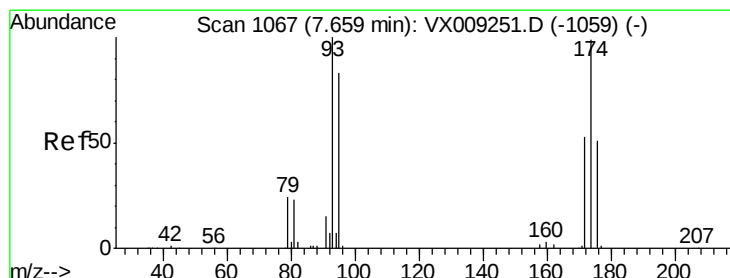
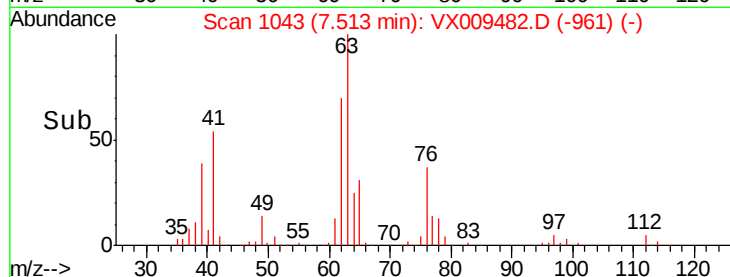
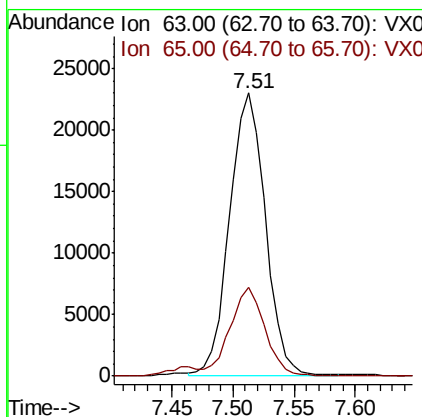
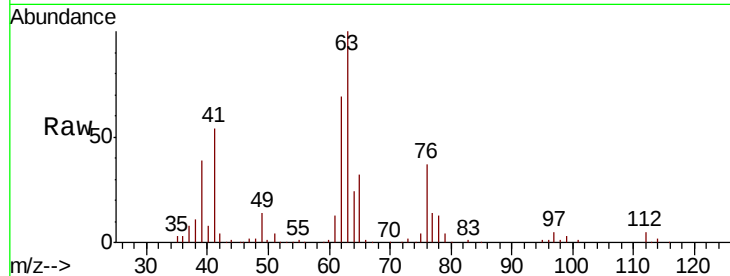




#39
 1,2-Dichloropropane
 Concen: 21.872 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

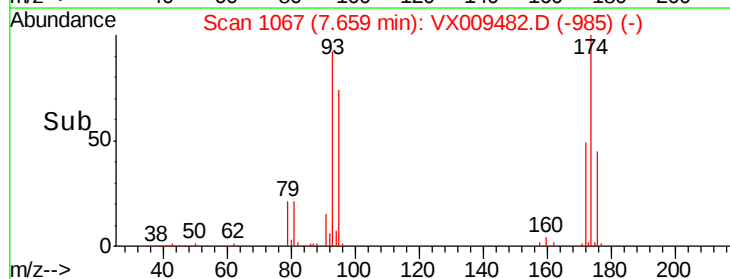
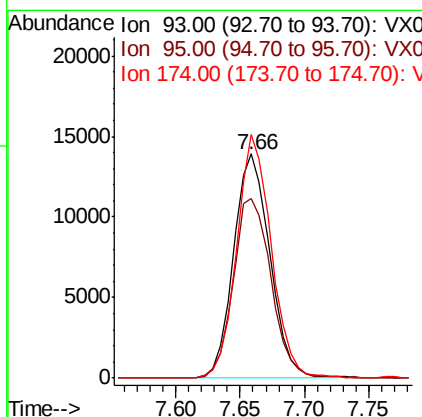
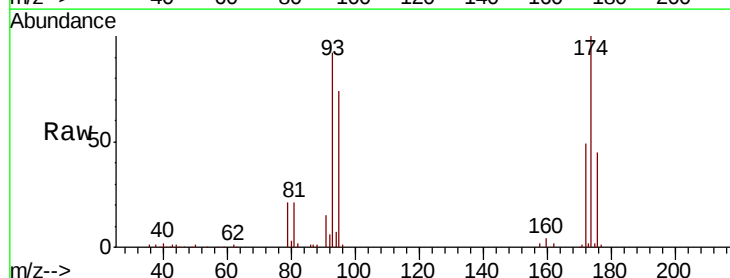
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

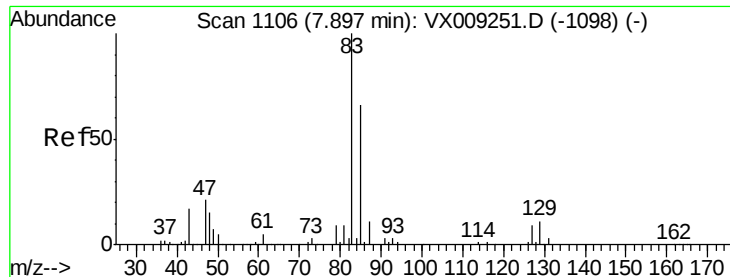
Tot Ion: 63 Resp: 46468
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.0 36.0



#40
 Dibromomethane
 Concen: 22.535 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion: 93 Resp: 27173
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 167.2
 174 103.4 0.0 203.4





#41

Bromodichloromethane

Concen: 21.640 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

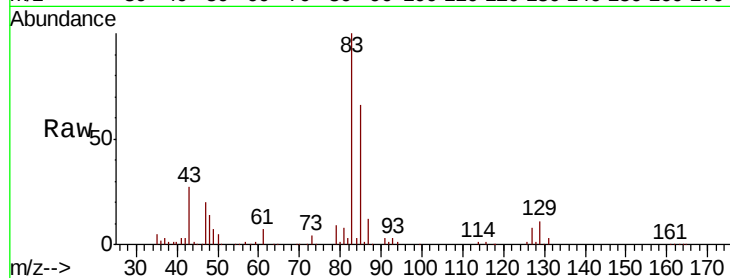
Tot Ion: 83 Resp: 53301

Ion Ratio Lower Upper

83 100

85 65.6 52.6 79.0

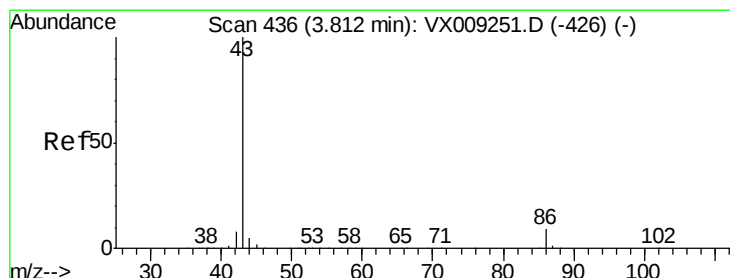
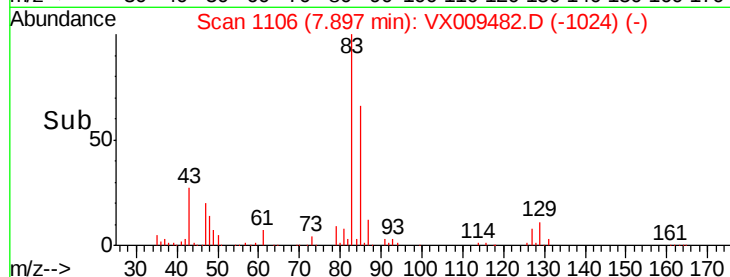
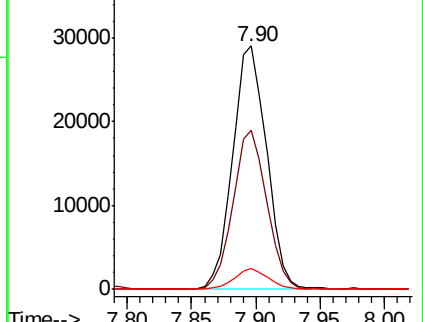
127 8.4 6.9 10.3



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: 112.306 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009482.D

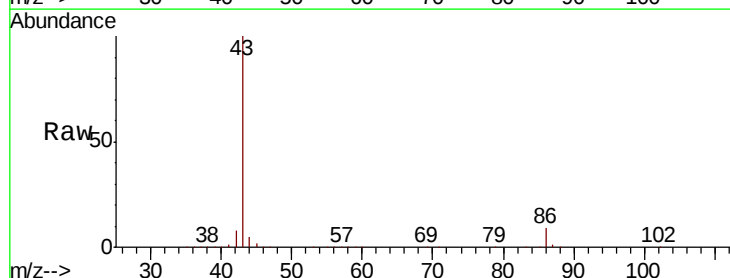
Acq: 10 May 2019 14:57

Tgt Ion: 43 Resp: 702462

Ion Ratio Lower Upper

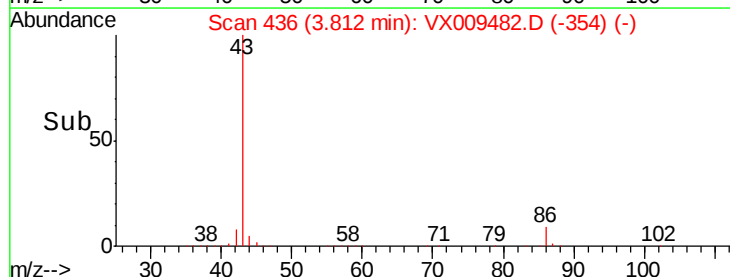
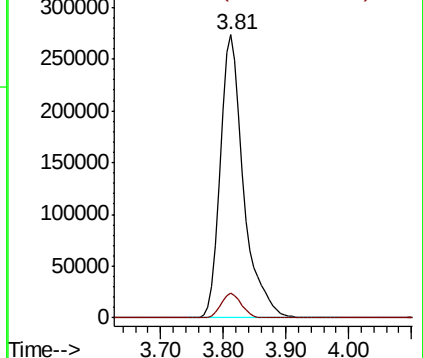
43 100

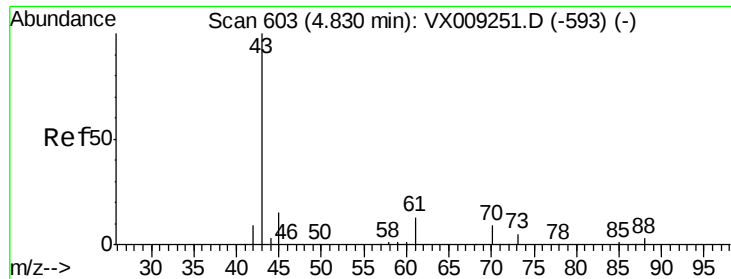
86 7.7 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 22.041 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

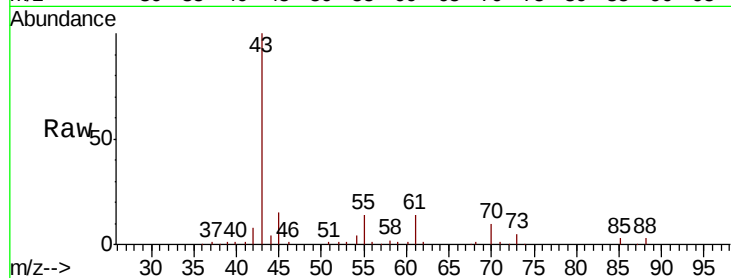
VSTDCCC020EC

Tot Ion: 43 Resp: 75478

Ion Ratio Lower Upper

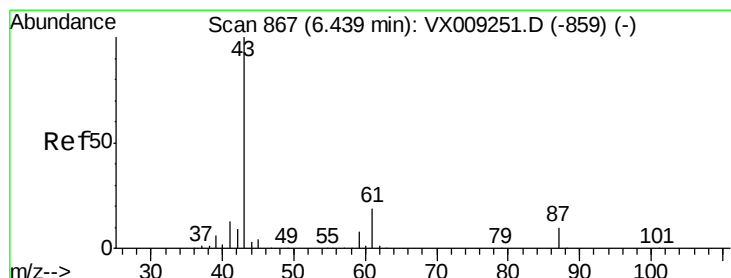
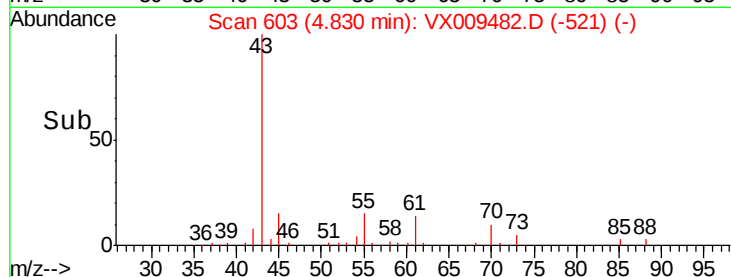
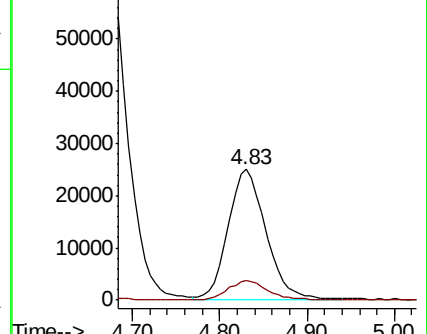
43 100

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: 21.334 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX009482.D

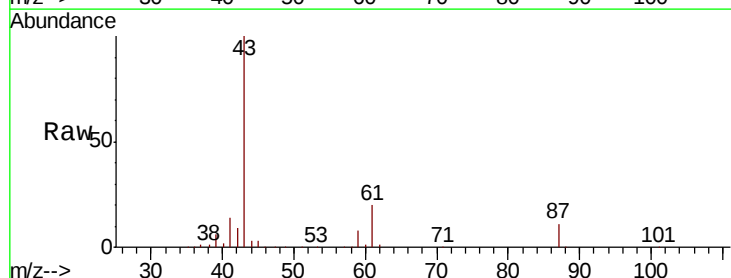
Acq: 10 May 2019 14:57

Tgt Ion: 43 Resp: 118353

Ion Ratio Lower Upper

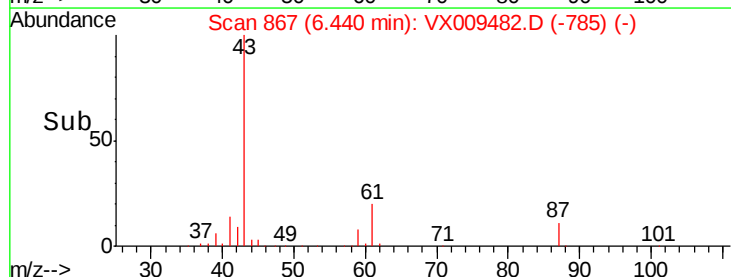
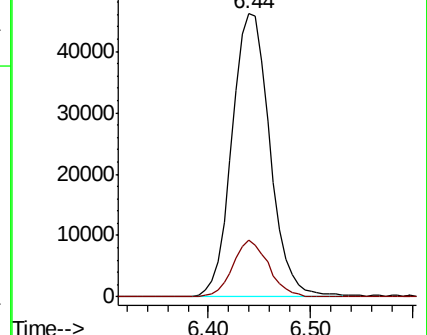
43 100

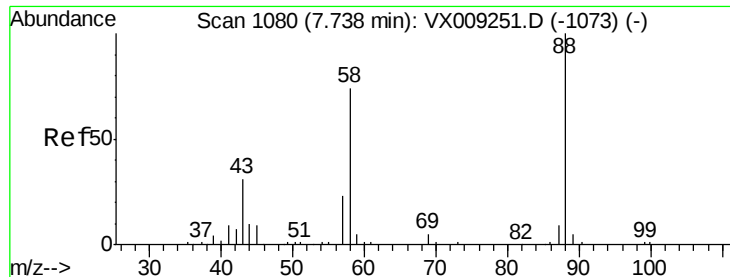
61 19.1 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



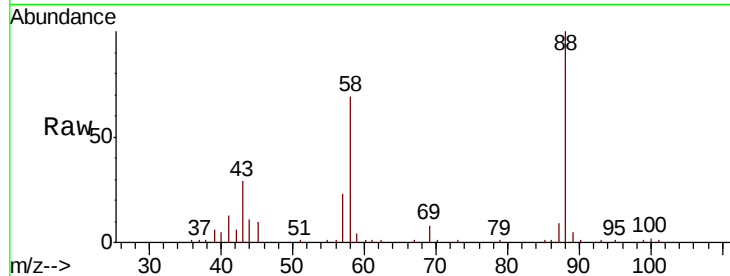


#45
 1,4-Dioxane
 Concen: 381.407 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

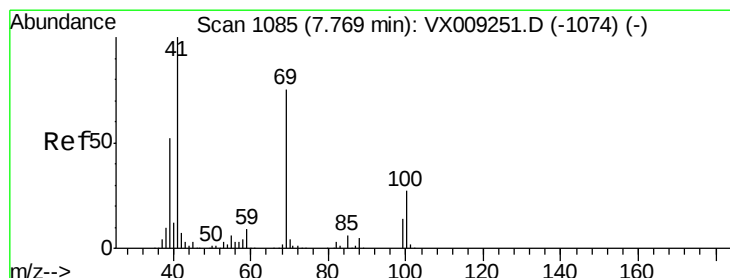
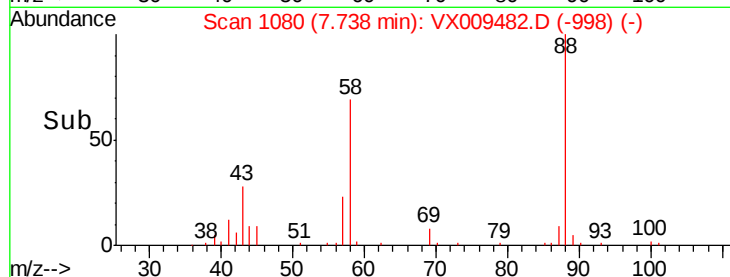
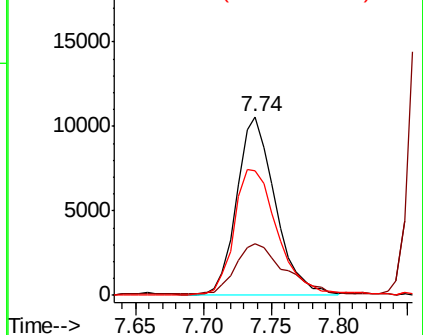
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 20774

Ion	Ratio	Lower	Upper
88	100		
43	35.3	28.5	42.7
58	79.9	62.5	93.7



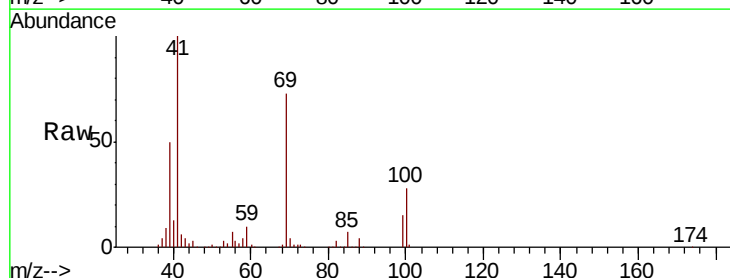
Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0



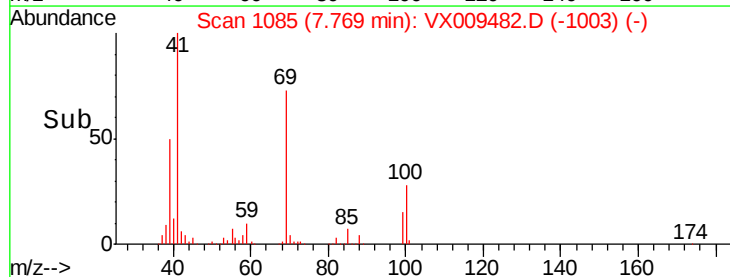
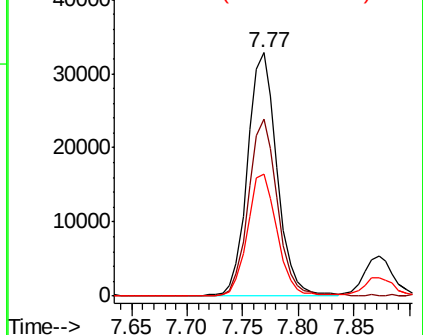
#46
 Methyl methacrylate
 Concen: 21.728 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

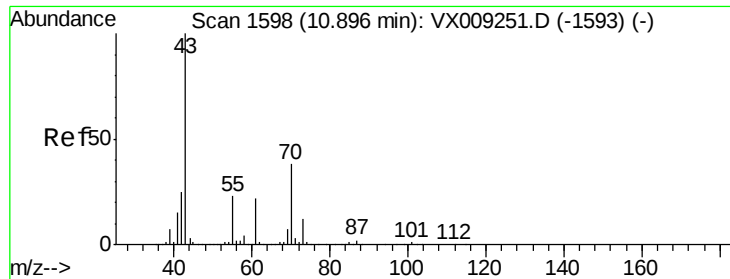
Tgt Ion: 41 Resp: 60165

Ion	Ratio	Lower	Upper
41	100		
69	73.2	37.6	112.8
39	50.0	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-amyl Acetate

Concen: 21.434 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

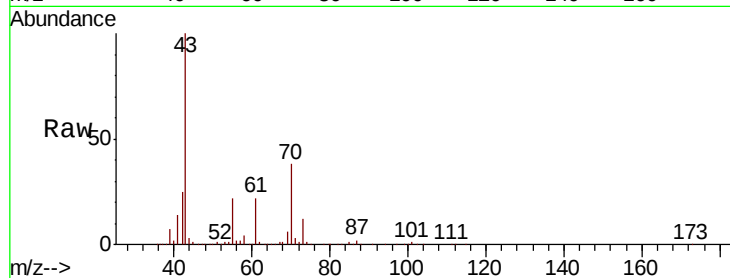
VSTDCCC020EC

Tot Ion: 43 Resp: 107118

Ion Ratio Lower Upper

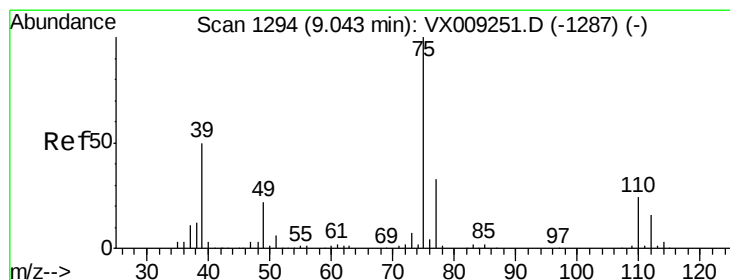
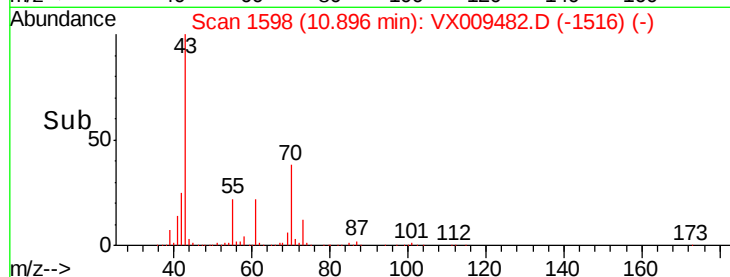
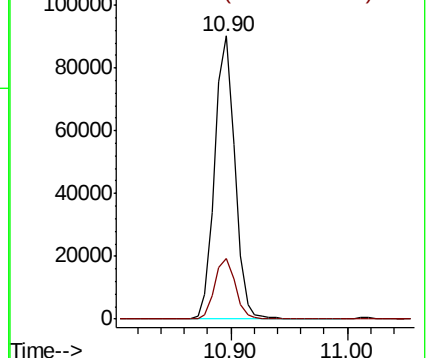
43 100

55 22.1 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 21.304 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009482.D

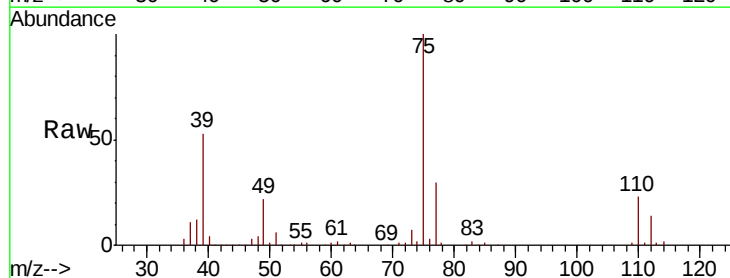
Acq: 10 May 2019 14:57

Tgt Ion: 75 Resp: 61225

Ion Ratio Lower Upper

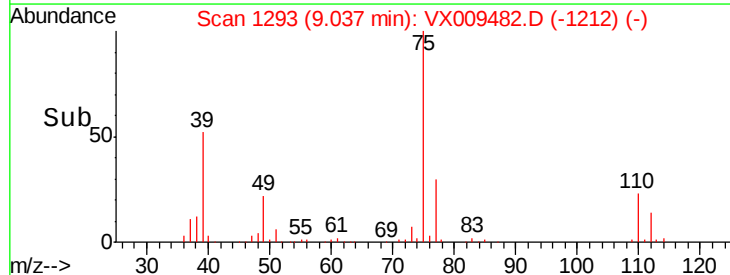
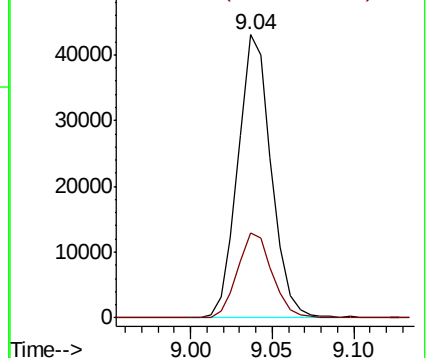
75 100

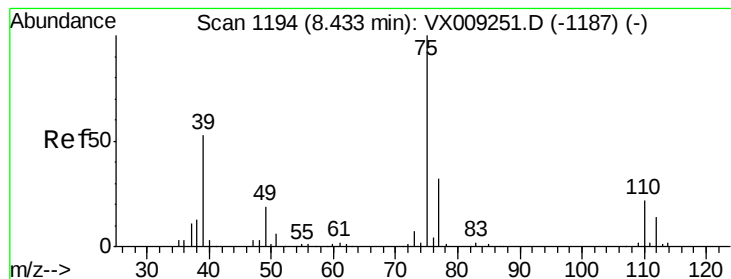
77 30.1 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



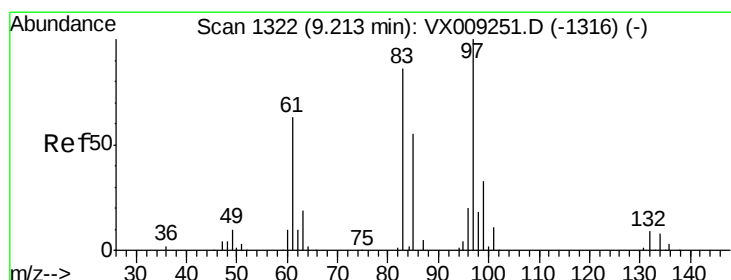
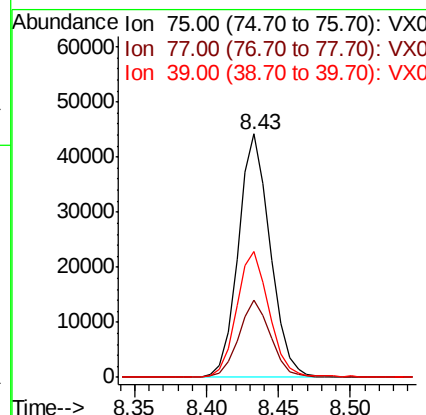
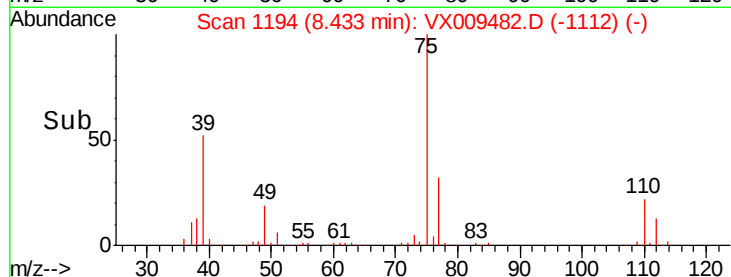
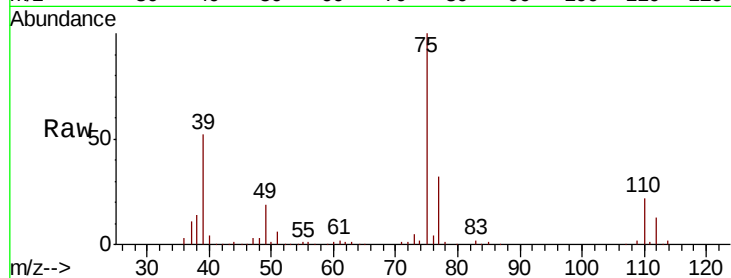


#49

cis-1,3-Dichloropropene
 Concen: 21.657 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

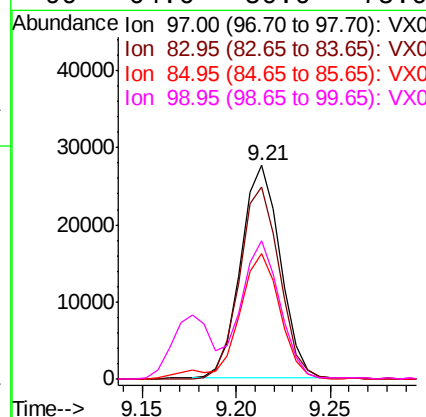
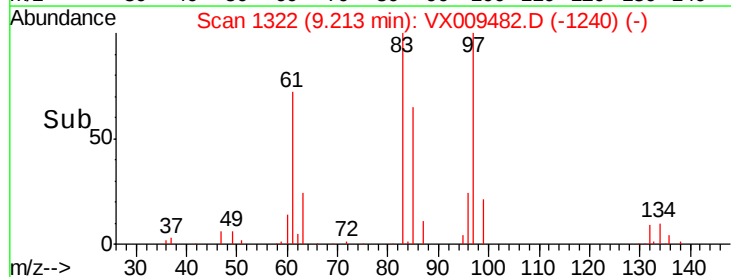
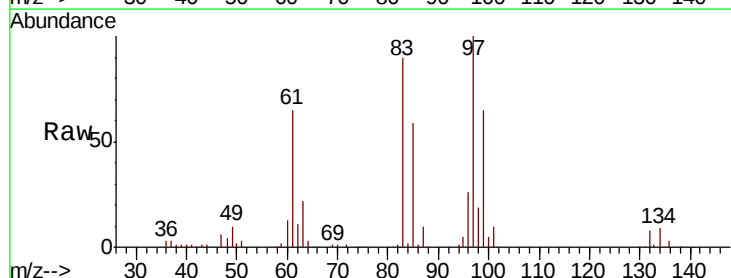
Tot Ion: 75 Resp: 68328
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.0 39.0
 39 51.7 42.6 63.8

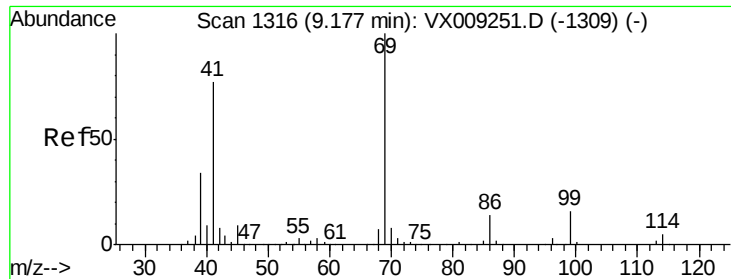


#50

1,1,2-Trichloroethane
 Concen: 21.694 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion: 97 Resp: 40078
 Ion Ratio Lower Upper
 97 100
 83 90.1 68.8 103.2
 85 58.7 45.8 68.6
 99 64.6 50.0 75.0





#51

Ethyl methacrylate

Concen: 21.459 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

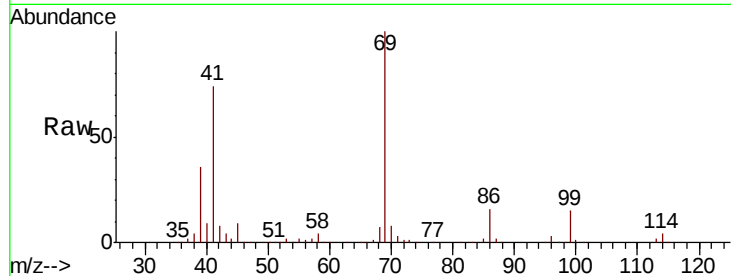
Tot Ion: 69 Resp: 73261

Ion Ratio Lower Upper

69 100

41 73.9 38.4 115.2

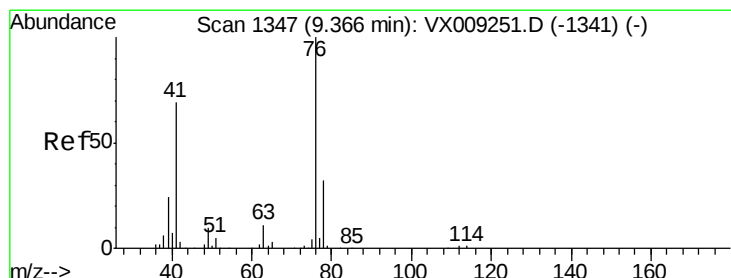
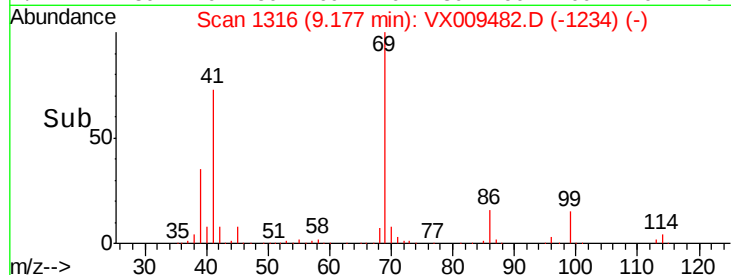
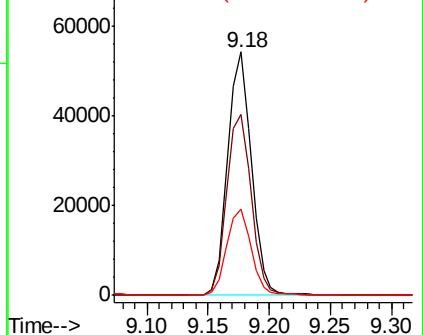
39 35.4 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 21.960 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX009482.D

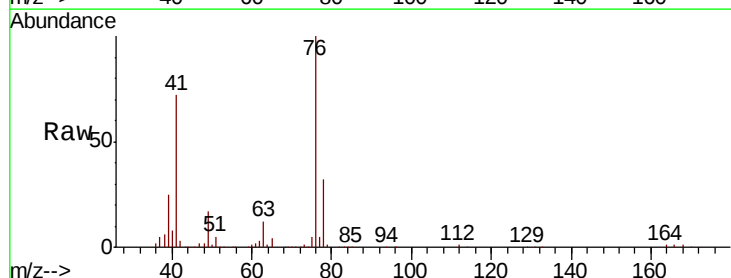
Acq: 10 May 2019 14:57

Tgt Ion: 76 Resp: 72000

Ion Ratio Lower Upper

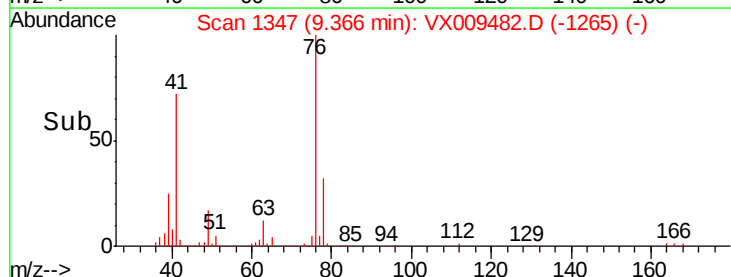
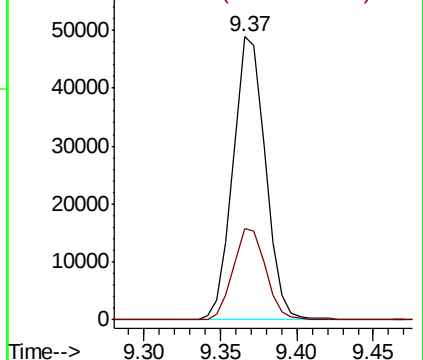
76 100

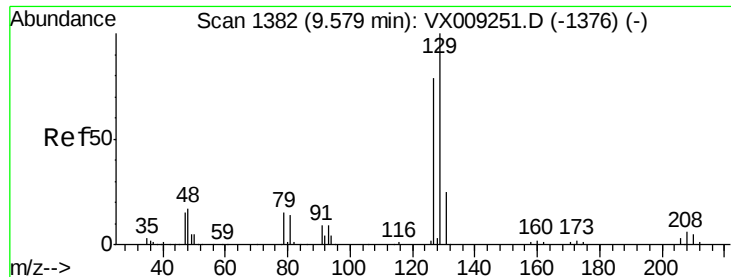
78 32.3 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 21.777 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

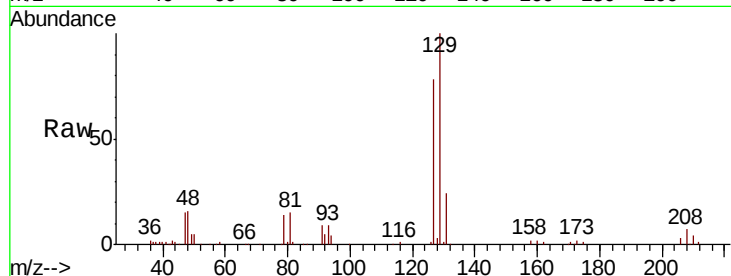
VSTDCCC020EC

Tot Ion:129 Resp: 40067

Ion Ratio Lower Upper

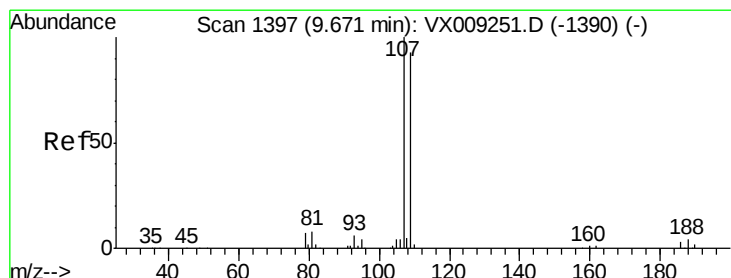
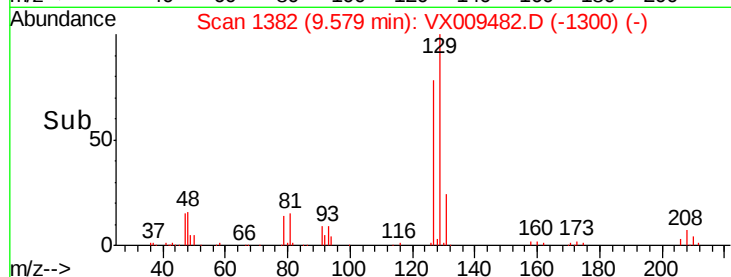
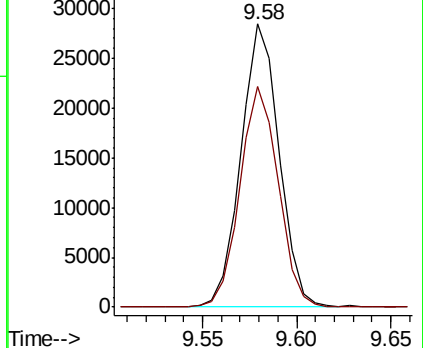
129 100

127 77.9 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 22.272 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009482.D

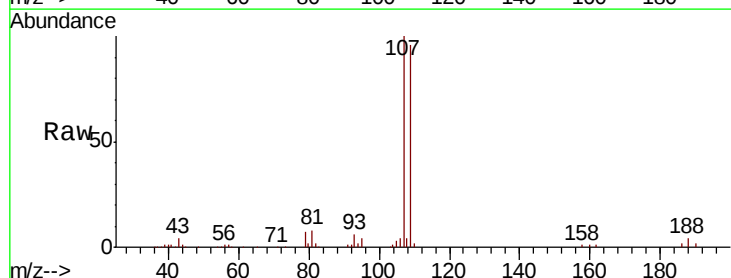
Acq: 10 May 2019 14:57

Tgt Ion:107 Resp: 42199

Ion Ratio Lower Upper

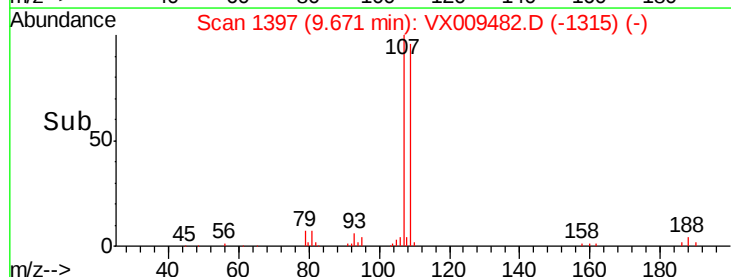
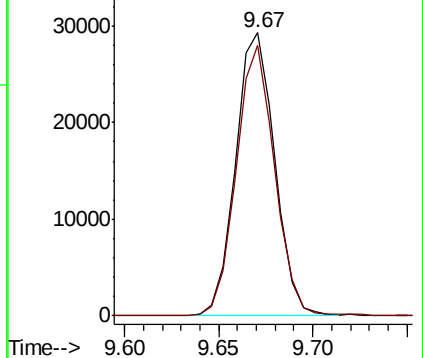
107 100

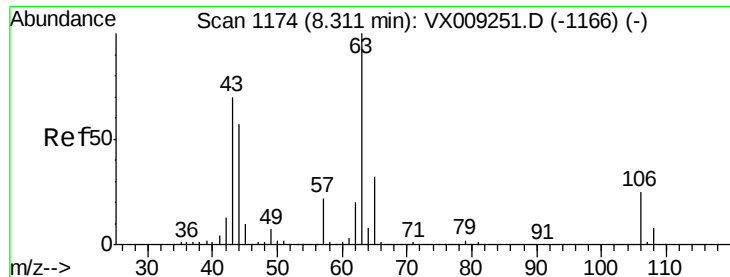
109 93.3 75.5 113.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

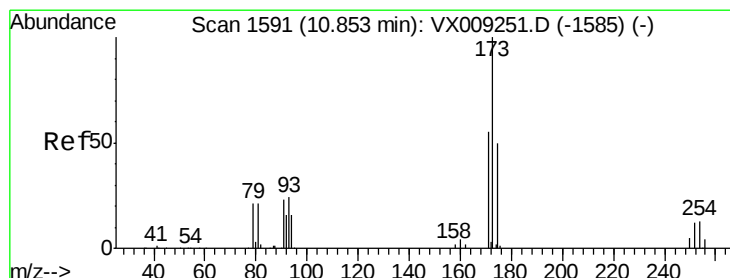
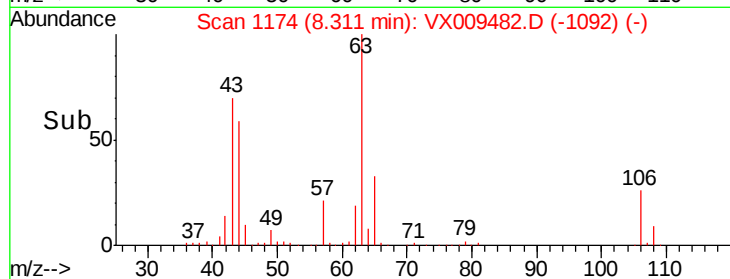
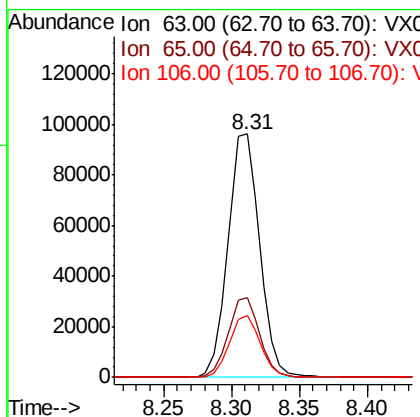
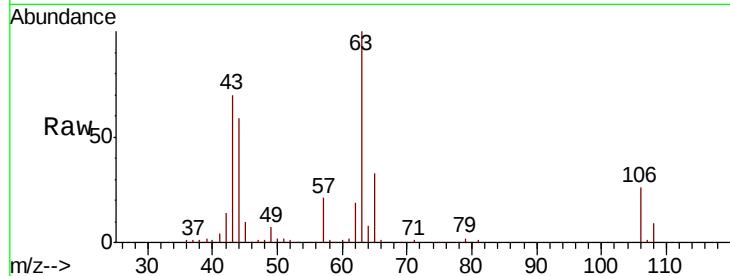




#55
 2-Chloroethyl vinyl ether
 Concen: 85.591 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

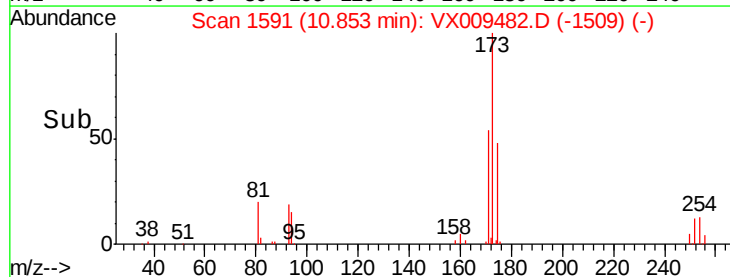
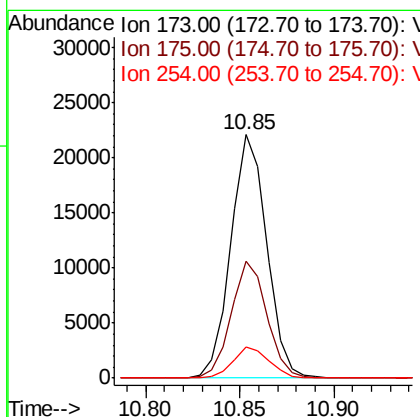
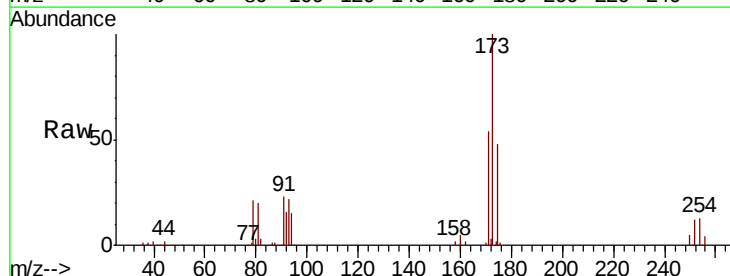
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

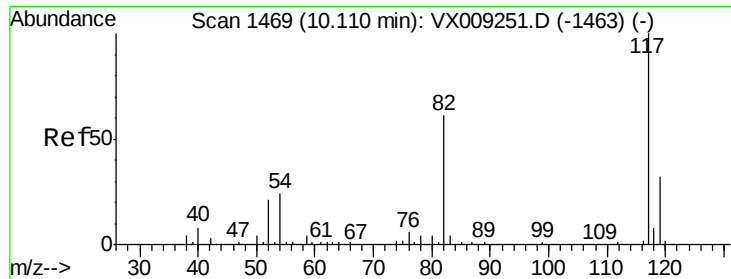
Tot Ion: 63 Resp: 155706
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.8 38.6
 106 25.1 19.8 29.6



#56
 Bromoform
 Concen: 20.680 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion: 173 Resp: 29207
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.4 59.2
 254 12.7 9.9 14.9

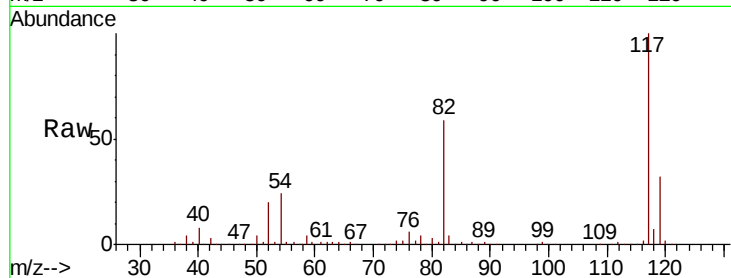




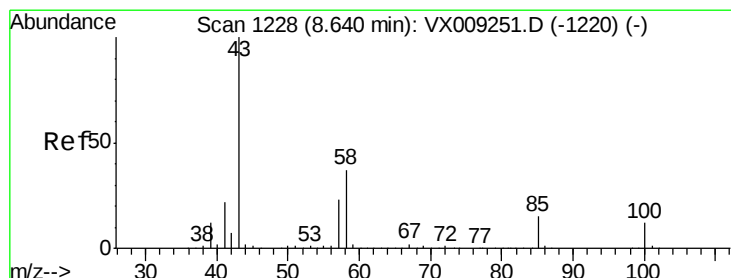
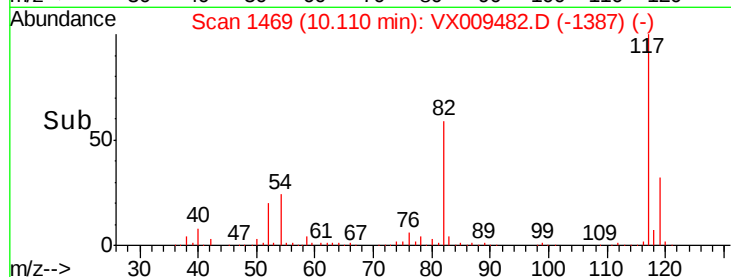
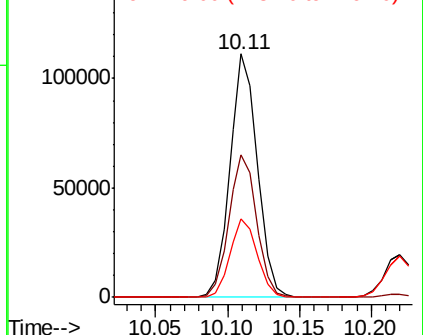
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 148347
Ion Ratio Lower Upper
117 100
82 59.4 47.8 71.8
119 32.1 25.6 38.4

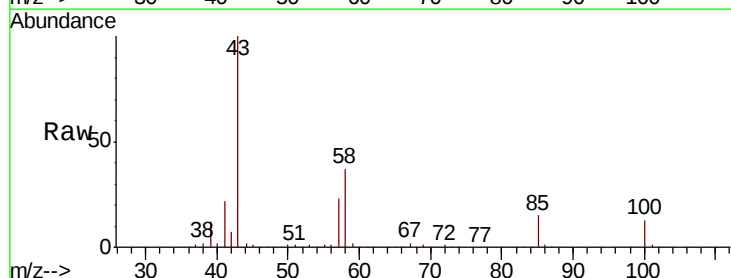


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

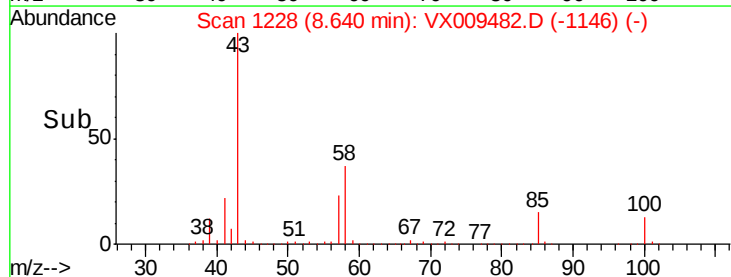
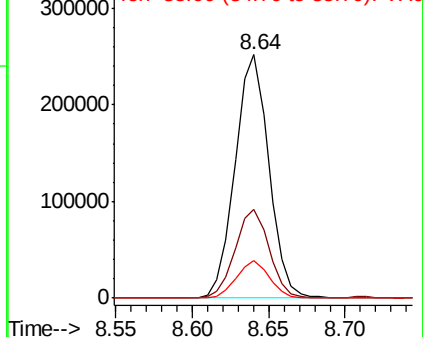


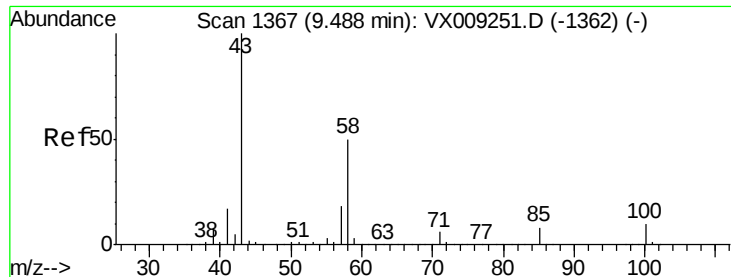
#58
4-Methyl-2-Pentanone
Concen: 105.786 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion: 43 Resp: 385873
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.0
85 14.9 11.8 17.8



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

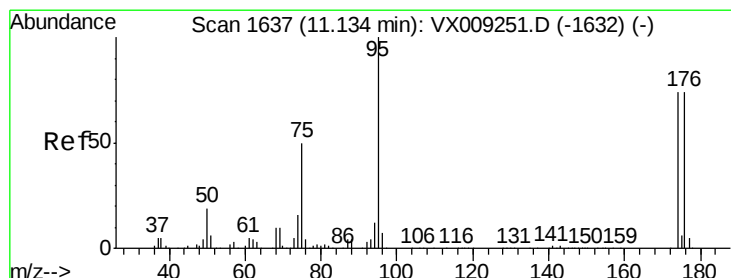
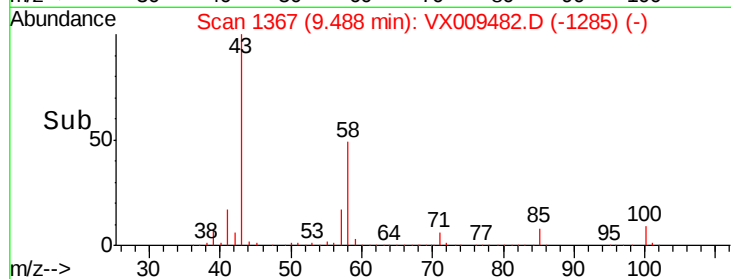
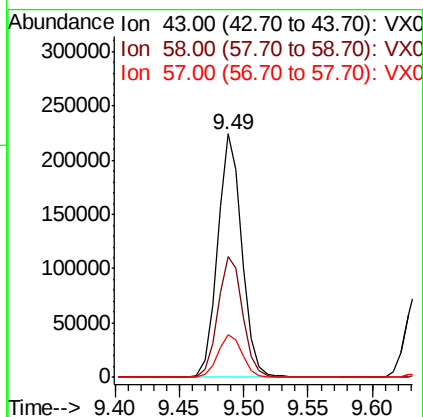
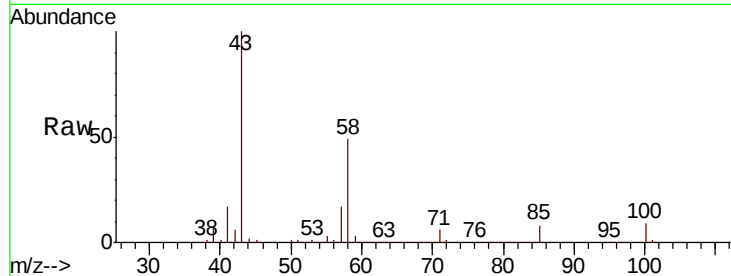




#59
2-Hexanone
Concen: 103.695 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

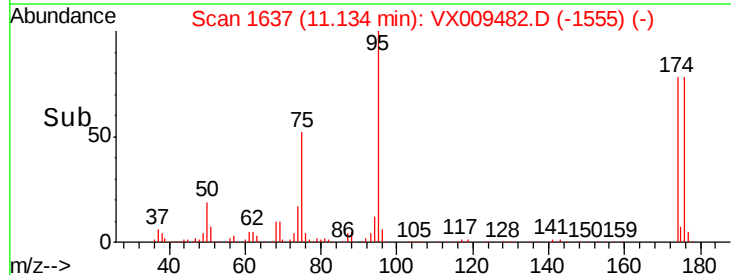
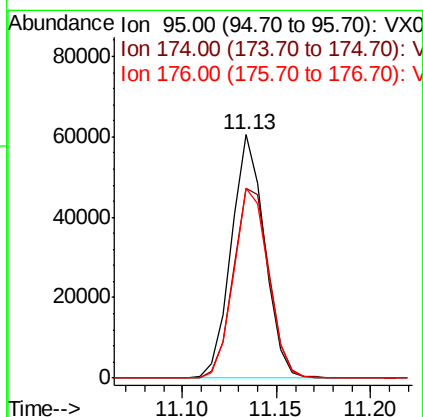
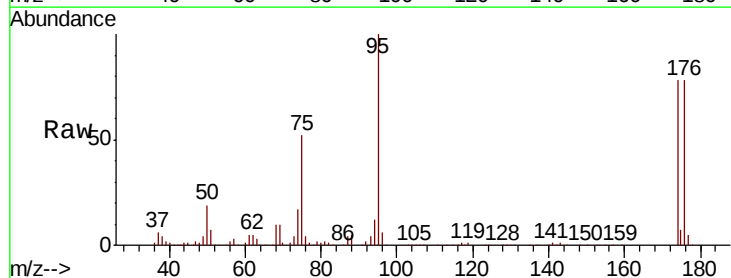
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

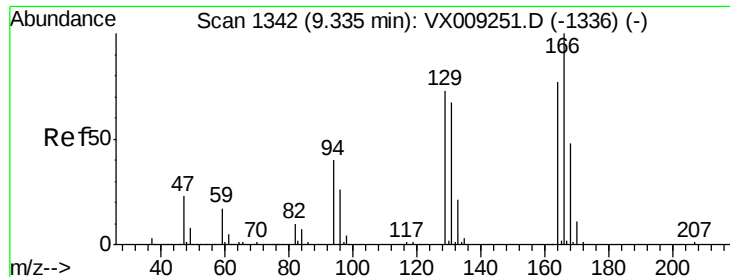
Tot Ion: 43 Resp: 296677
Ion Ratio Lower Upper
43 100
58 50.8 40.8 61.2
57 17.5 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 29.278 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion: 95 Resp: 73804
Ion Ratio Lower Upper
95 100
174 84.1 63.6 95.4
176 81.7 62.4 93.6





#61

Tetrachloroethene

Concen: 22.681 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 37092

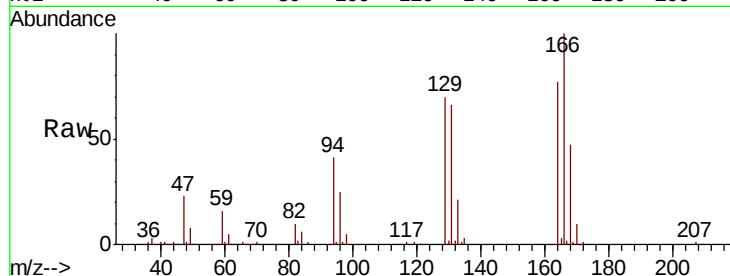
Ion Ratio Lower Upper

164 100

166 129.6 104.1 156.1

129 90.8 76.0 114.0

131 85.2 70.1 105.1

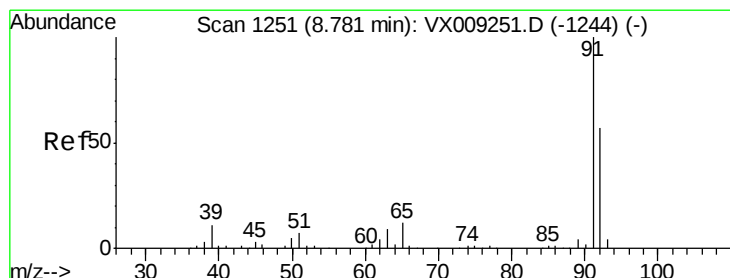
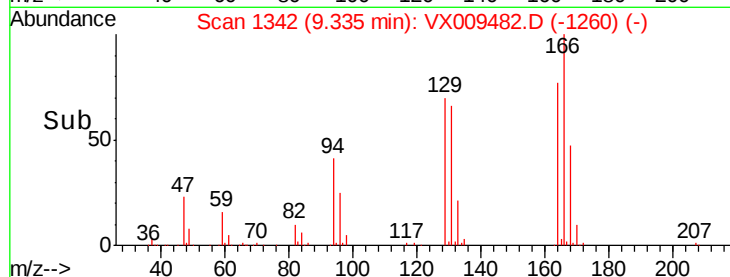
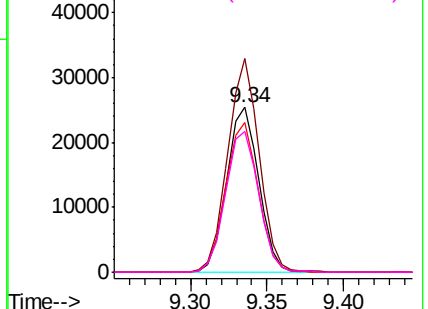


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 22.582 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX009482.D

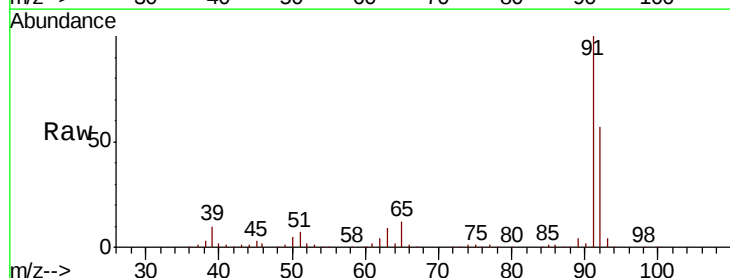
Acq: 10 May 2019 14:57

Tgt Ion: 91 Resp: 179010

Ion Ratio Lower Upper

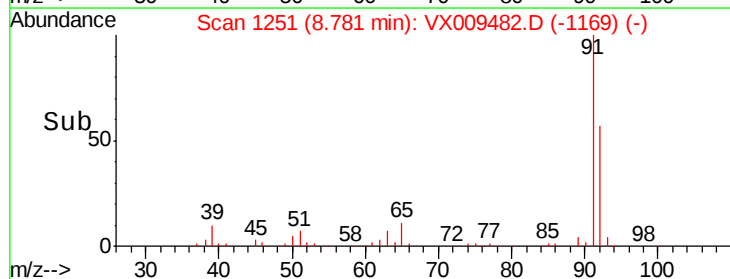
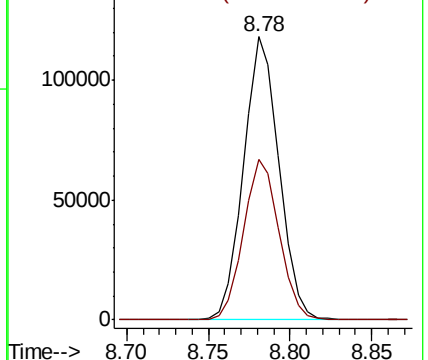
91 100

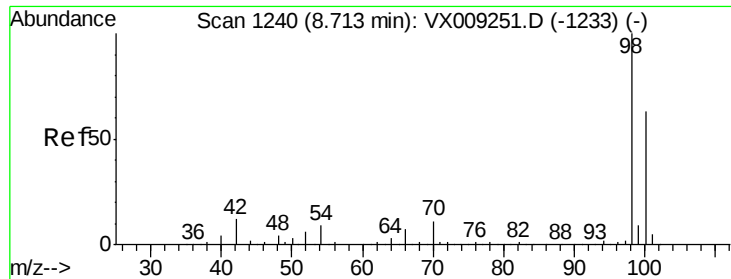
92 57.0 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.644 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

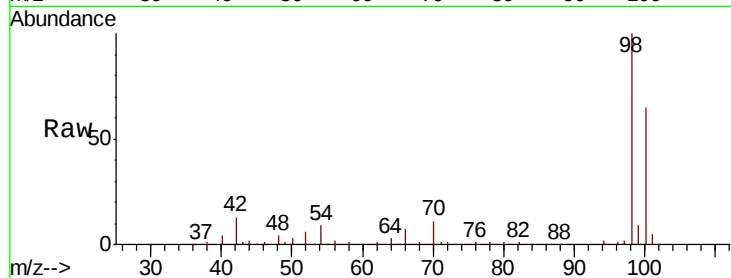
VSTDCCC020EC

Tot Ion: 98 Resp: 208497

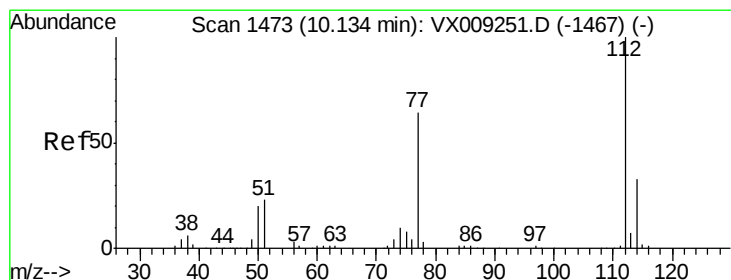
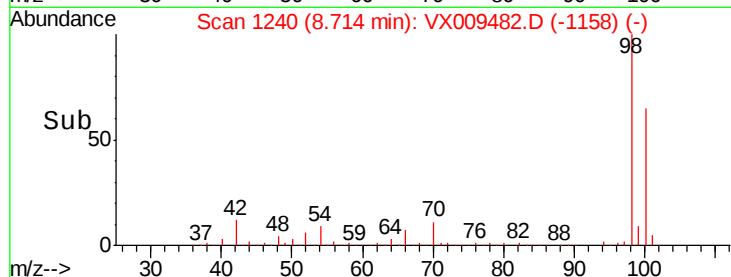
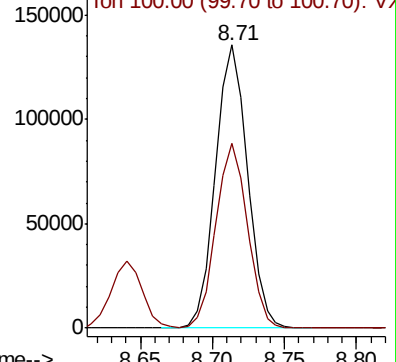
Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX009482.D (-1158) (-)



#64

Chlorobenzene

Concen: 22.179 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009482.D

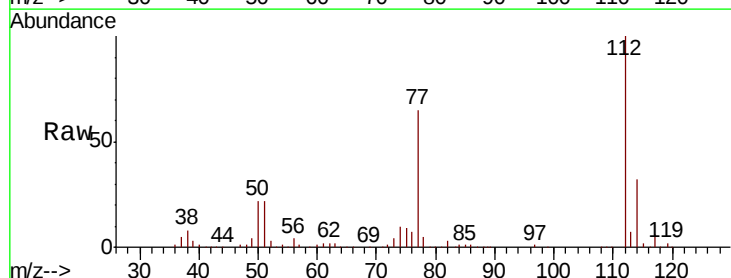
Acq: 10 May 2019 14:57

Tgt Ion: 112 Resp: 105809

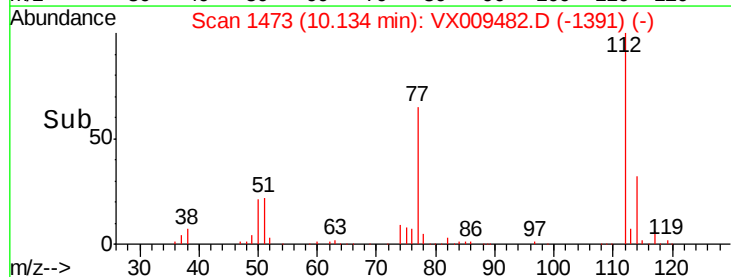
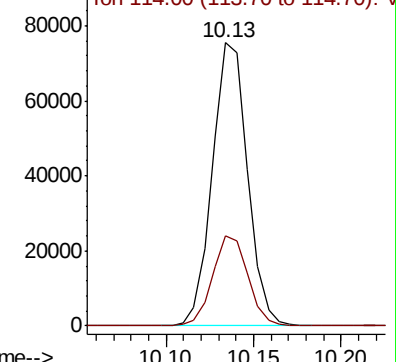
Ion Ratio Lower Upper

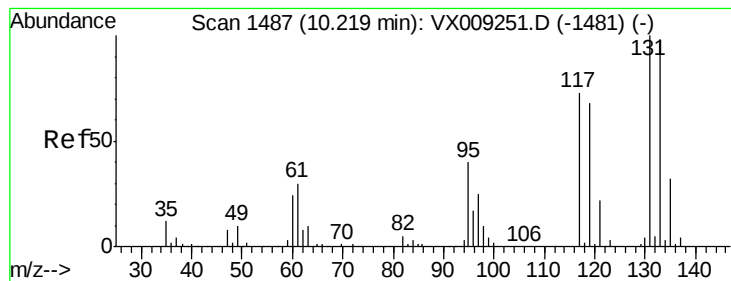
112 100

114 31.7 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VX009482.D (-1391) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 22.149 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

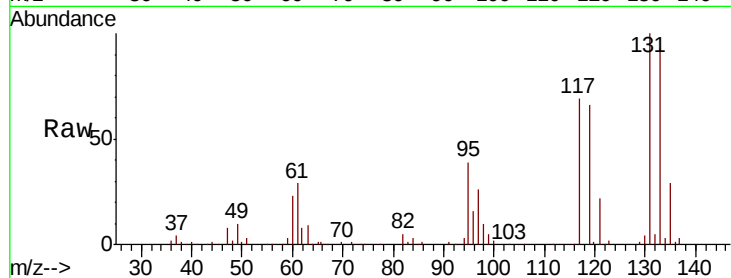
Tot Ion:131 Resp: 38690

Ion Ratio Lower Upper

131 100

133 93.5 0.0 191.2

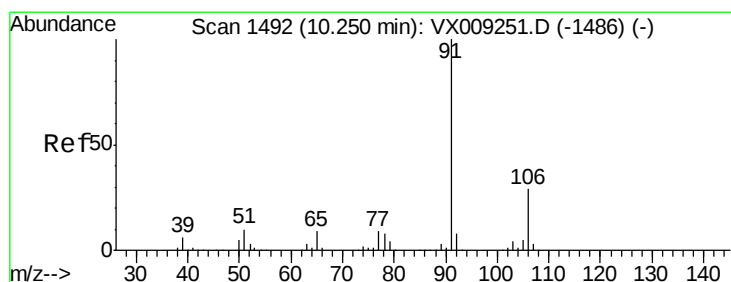
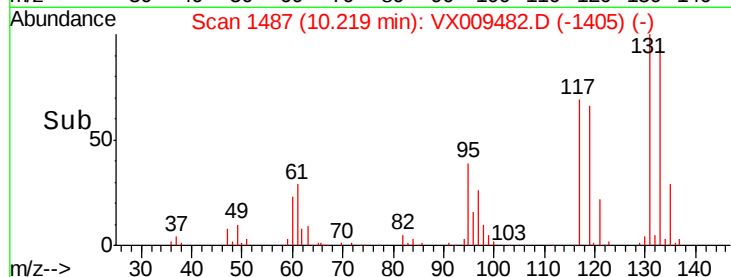
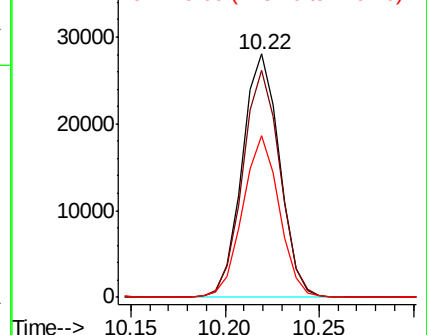
119 64.7 0.0 135.4



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: 22.406 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009482.D

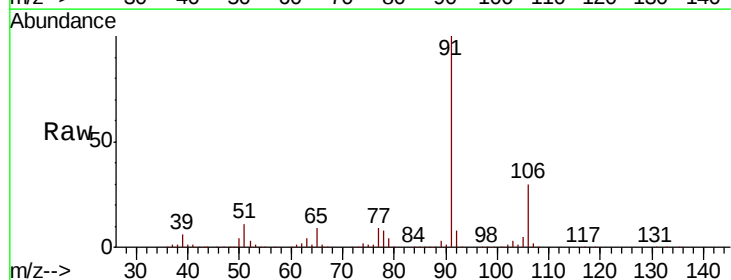
Acq: 10 May 2019 14:57

Tgt Ion: 91 Resp: 197860

Ion Ratio Lower Upper

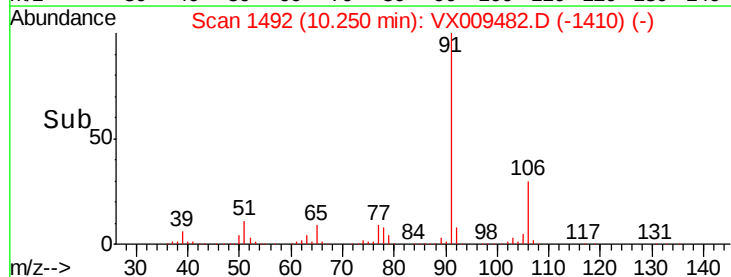
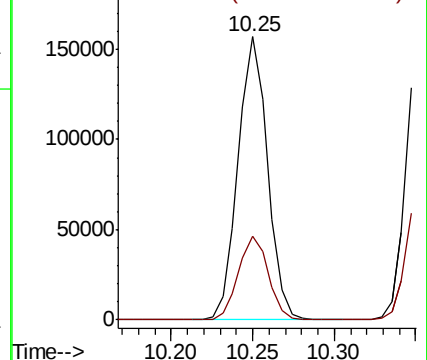
91 100

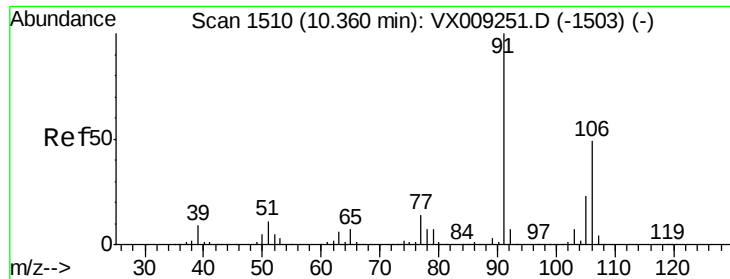
106 29.6 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

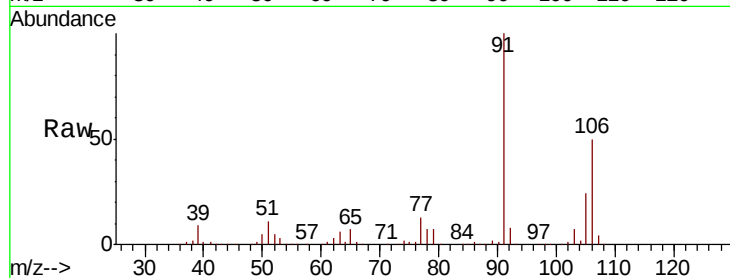




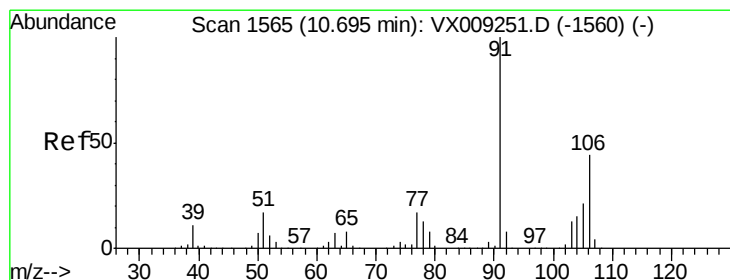
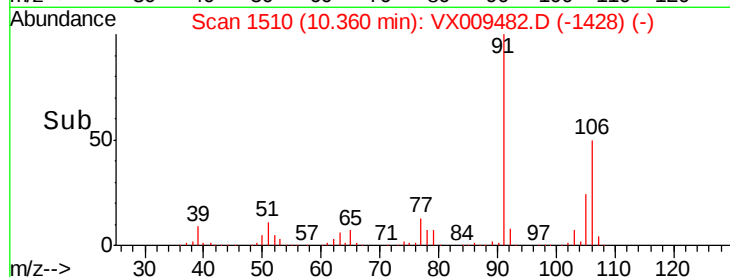
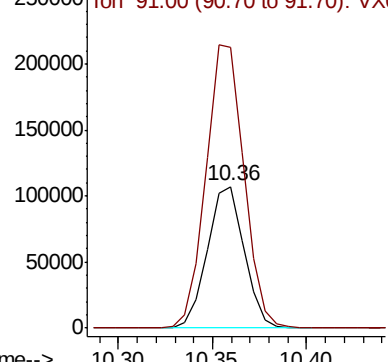
#67
m/p-Xylenes
Concen: 45.087 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 145369
Ion Ratio Lower Upper
106 100
91 206.9 166.8 250.2

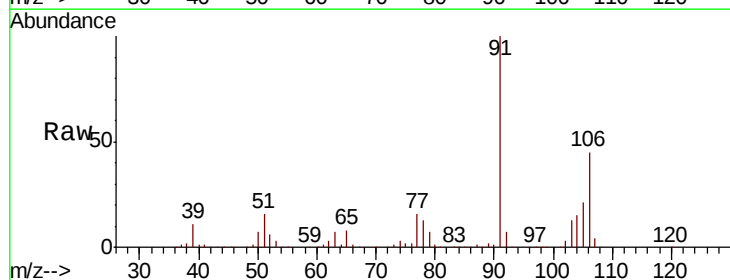


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

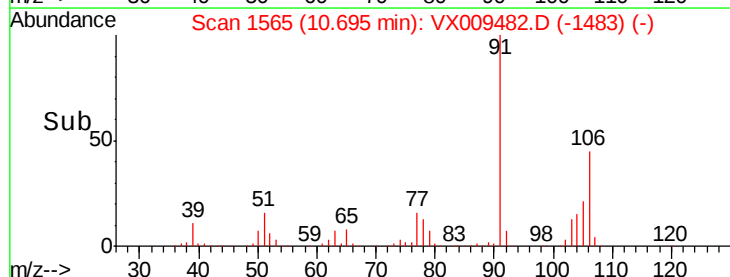
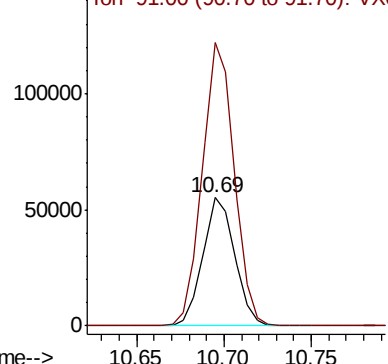


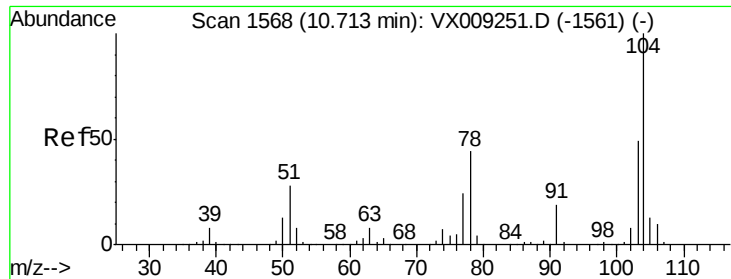
#68
o-Xylene
Concen: 22.180 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion:106 Resp: 70318
Ion Ratio Lower Upper
106 100
91 220.1 110.8 332.3



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

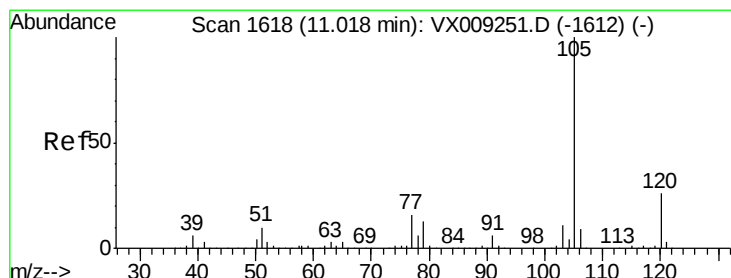
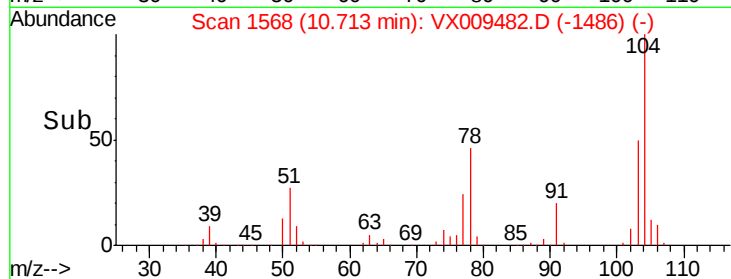
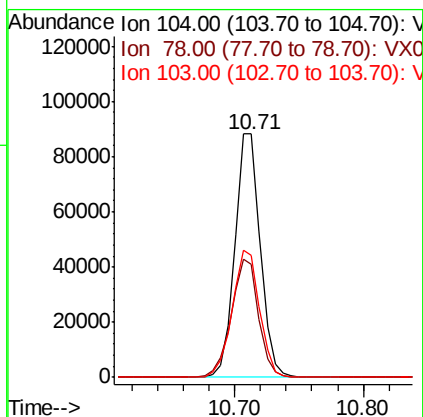
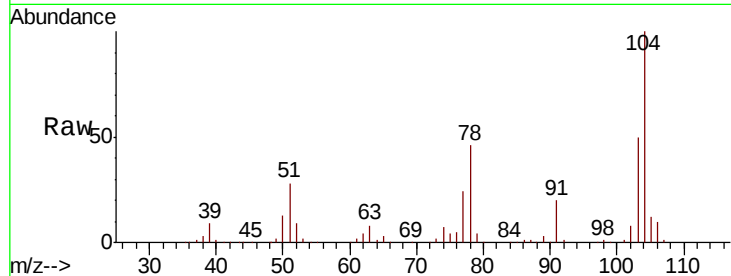




#69
Stvrene
Concen: 21.838 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

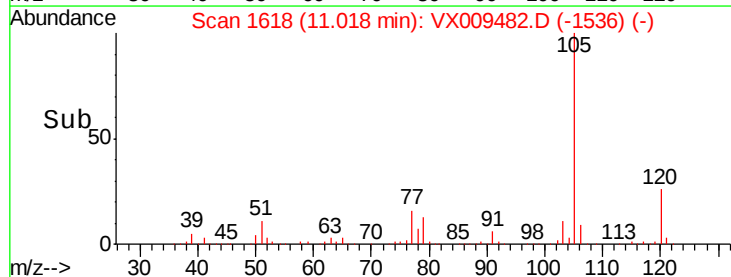
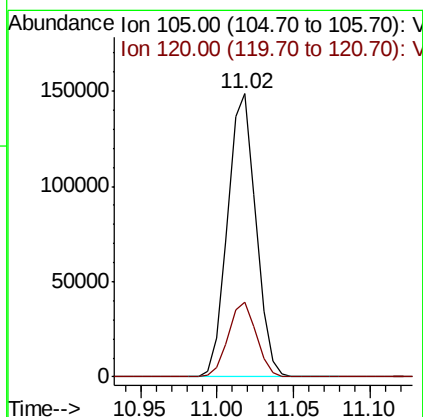
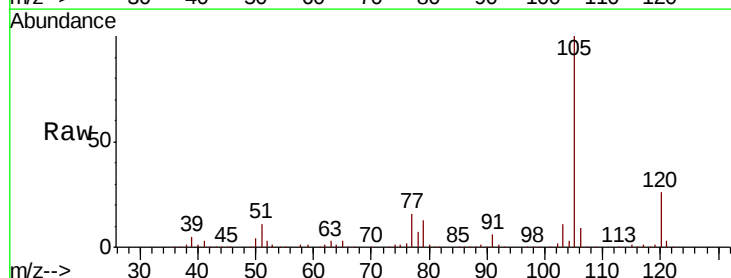
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

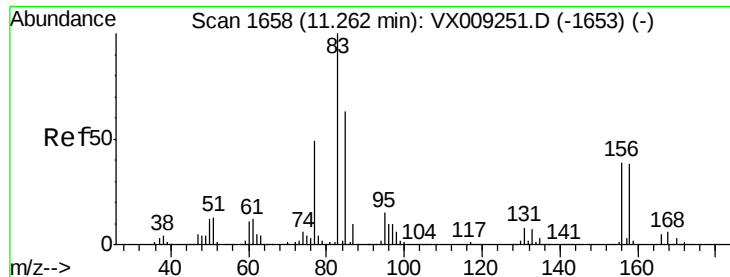
Tot Ion:104 Resp: 121536
Ion Ratio Lower Upper
104 100
78 52.0 41.1 61.7
103 56.0 43.8 65.8



#70
Isopropylbenzene
Concen: 22.376 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion:105 Resp: 190779
Ion Ratio Lower Upper
105 100
120 26.3 18.1 33.7

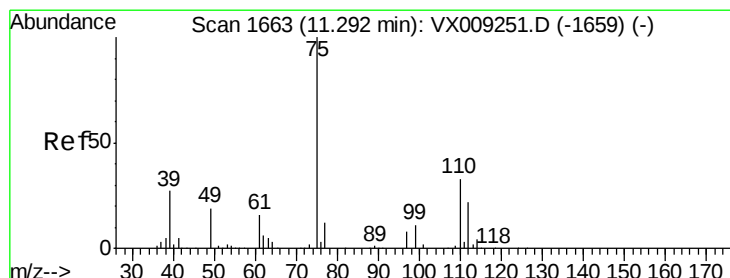
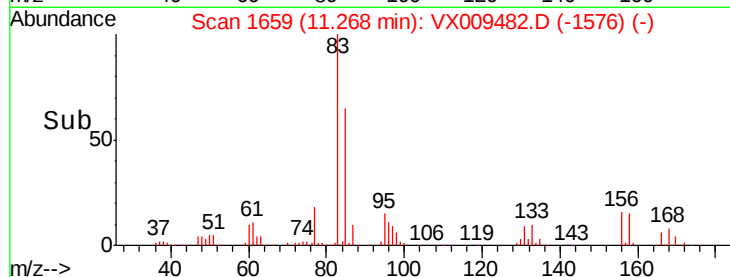
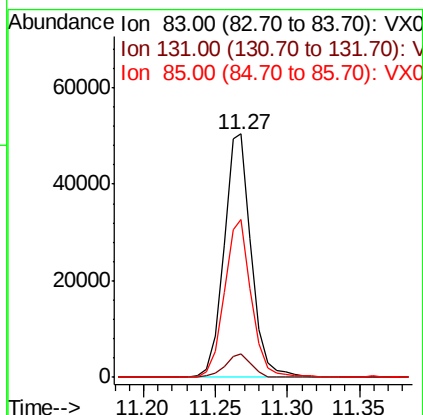
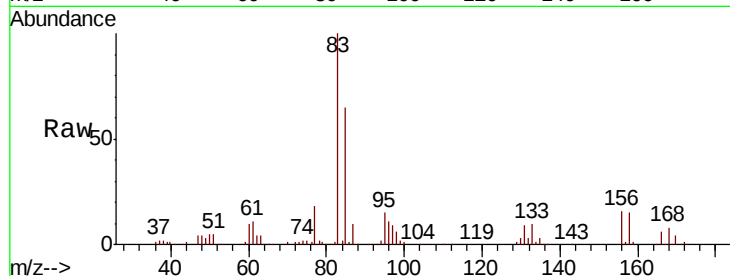




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.444 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

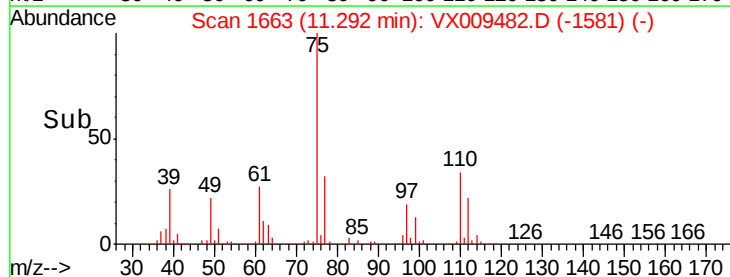
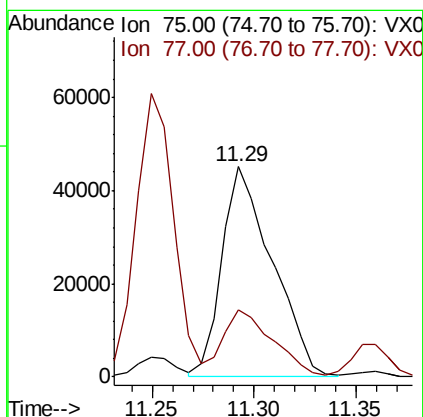
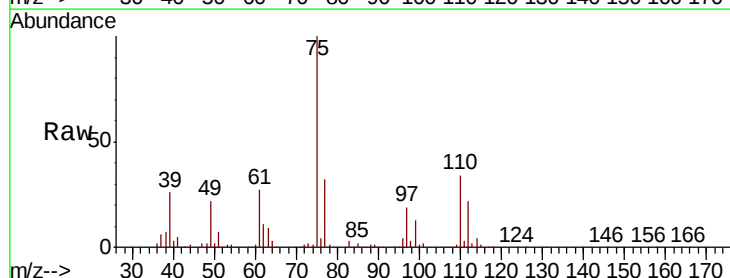
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

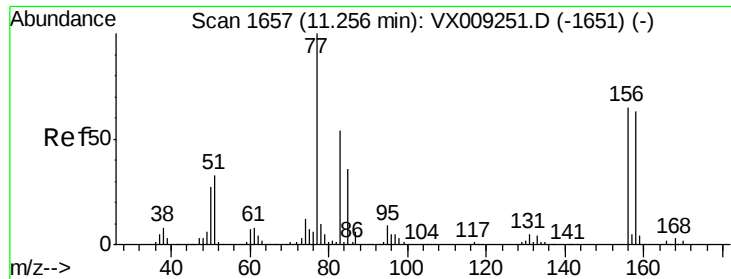
Tot Ion: 83 Resp: 66958
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.7 14.0
 85 64.3 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 28.779 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion: 75 Resp: 77440
 Ion Ratio Lower Upper
 75 100
 77 31.5 0.0 86.4





#73

Bromobenzene

Concen: 22.075 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

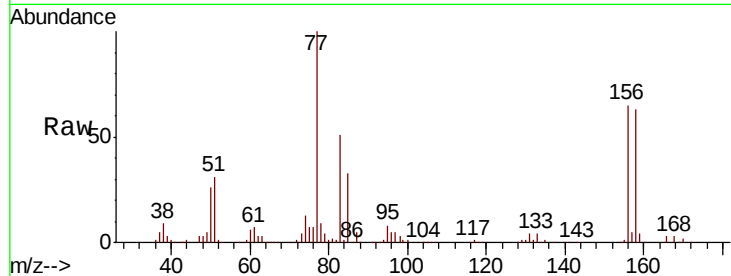
Tot Ion:156 Resp: 46504

Ion Ratio Lower Upper

156 100

77 167.4 0.0 335.6

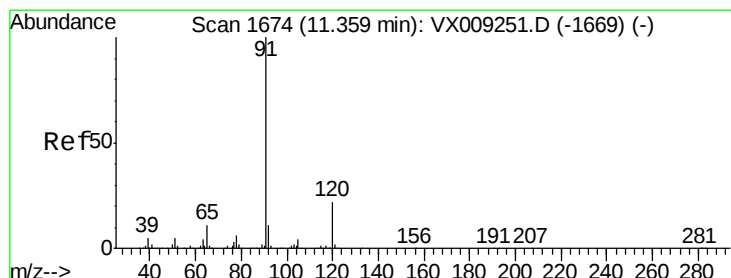
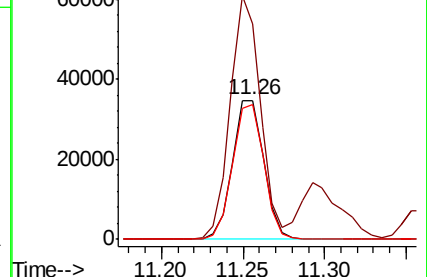
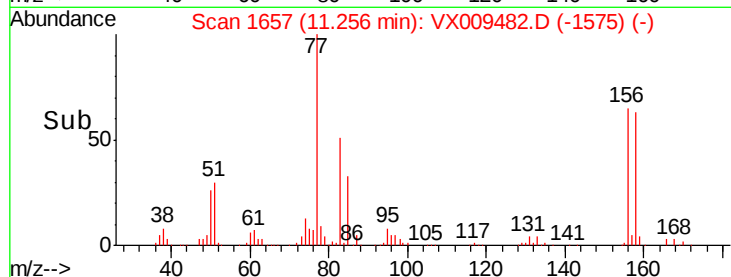
158 96.7 0.0 191.2



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: 22.369 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009482.D

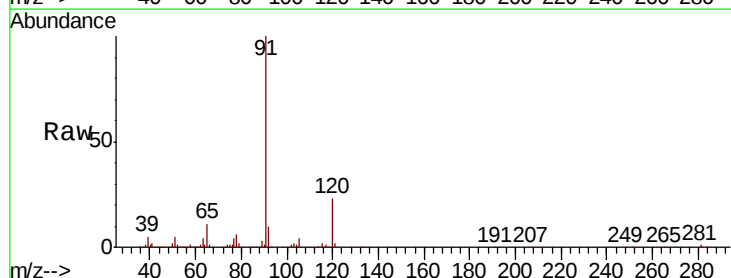
Acq: 10 May 2019 14:57

Tgt Ion: 91 Resp: 221009

Ion Ratio Lower Upper

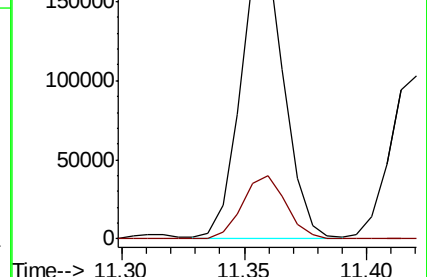
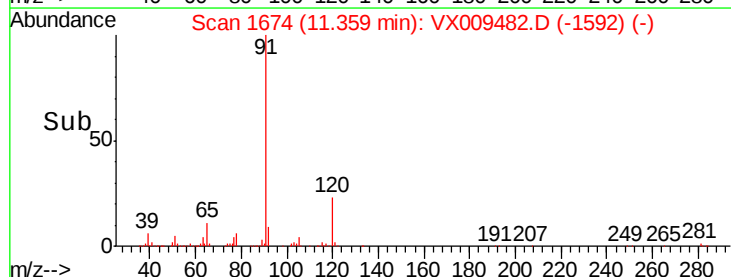
91 100

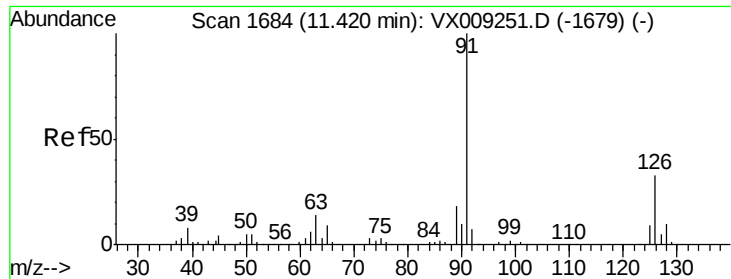
120 22.3 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 22.083 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

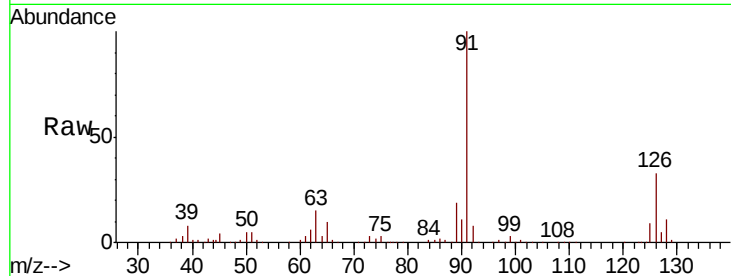
VSTDCCC020EC

Tot Ion: 91 Resp: 130870

Ion Ratio Lower Upper

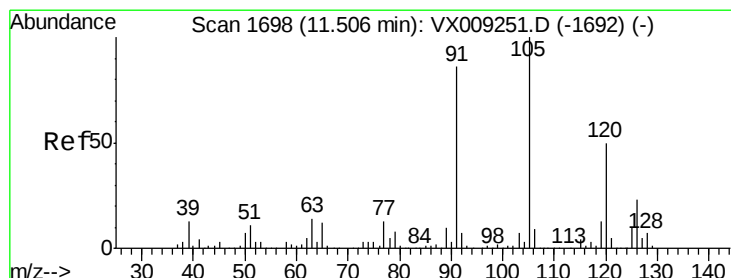
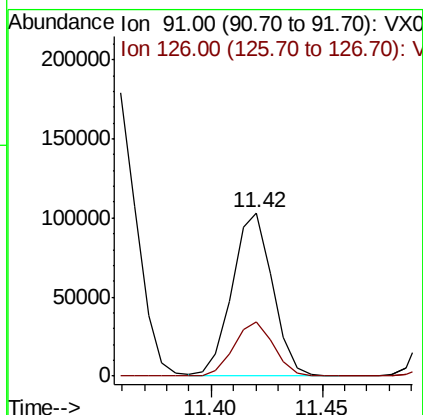
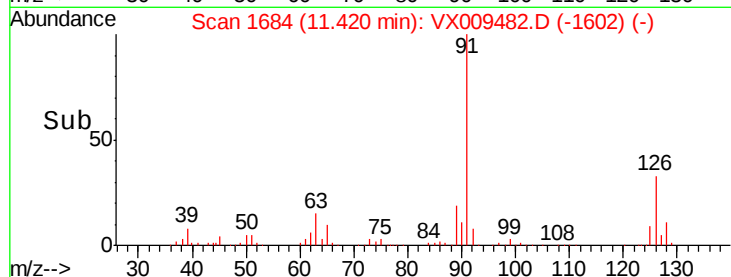
91 100

126 32.7 0.0 64.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 22.375 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009482.D

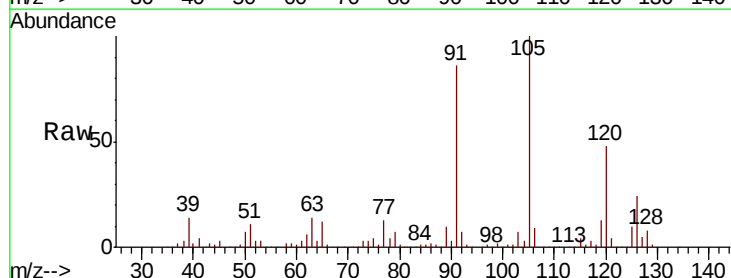
Acq: 10 May 2019 14:57

Tgt Ion:105 Resp: 161594

Ion Ratio Lower Upper

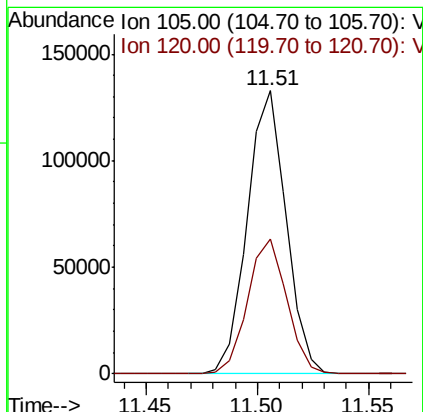
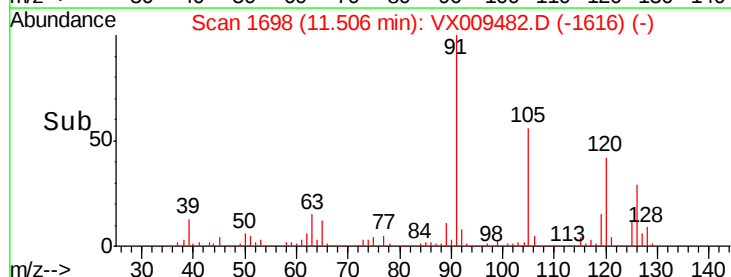
105 100

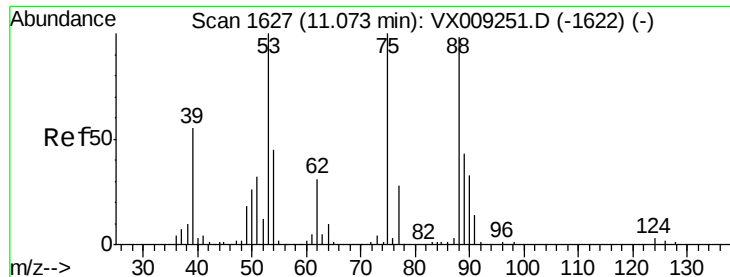
120 48.2 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 20.687 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

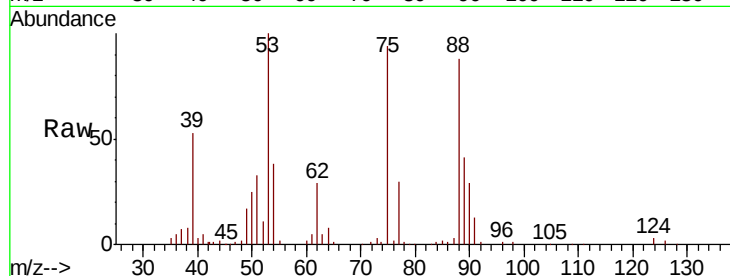
Tot Ion: 75 Resp: 22454

Ion Ratio Lower Upper

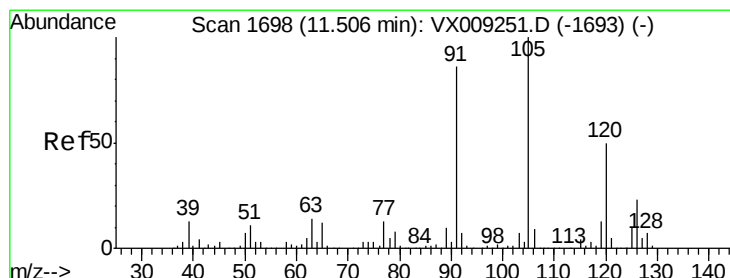
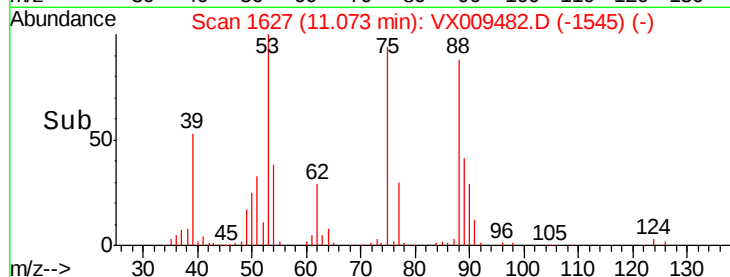
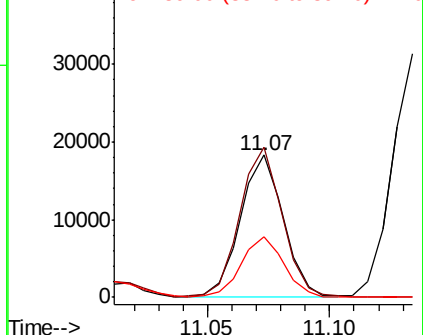
75 100

53 105.6 50.0 149.8

89 42.8 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: 22.194 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009482.D

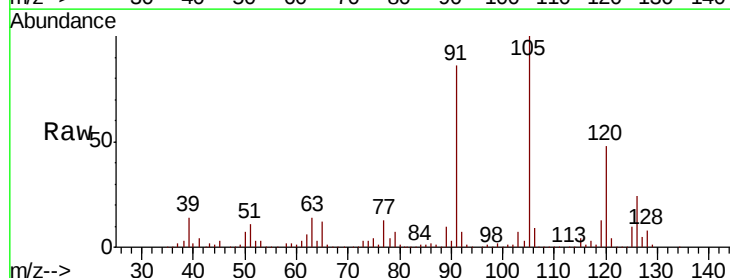
Acq: 10 May 2019 14:57

Tgt Ion: 91 Resp: 149385

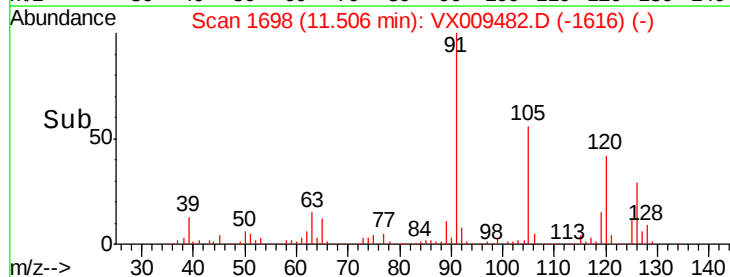
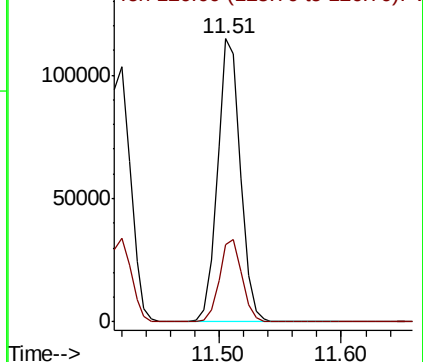
Ion Ratio Lower Upper

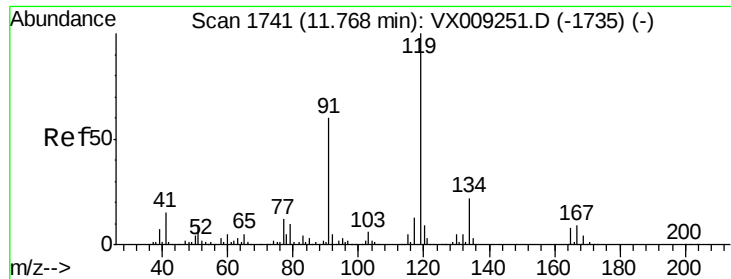
91 100

126 28.9 0.0 57.0



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

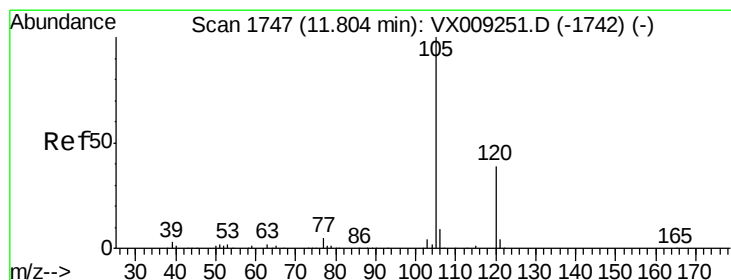
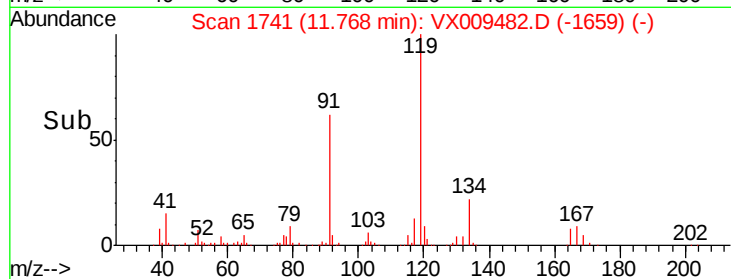
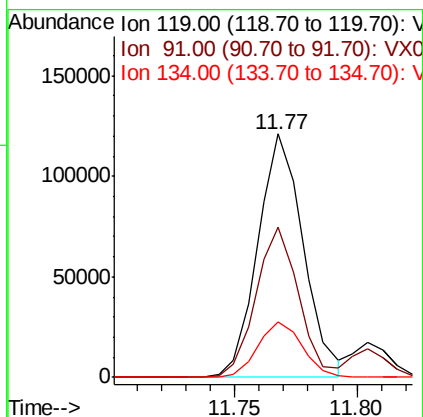
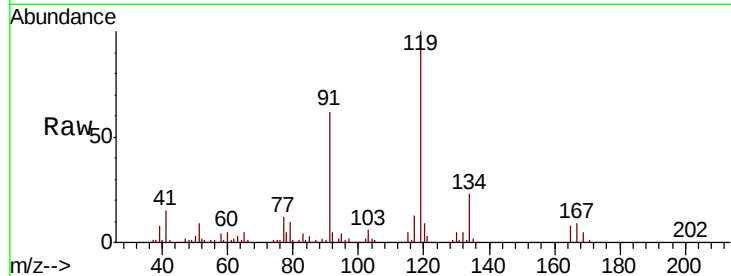




#79
tert-butylbenzene
Concen: 22.352 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

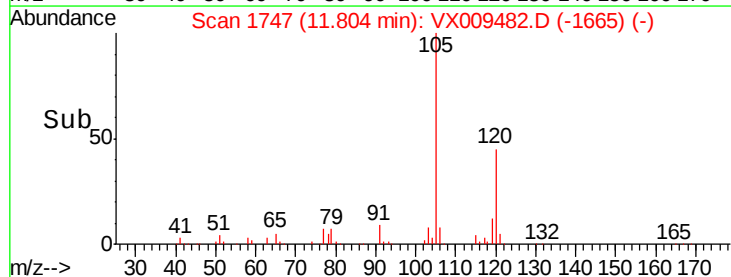
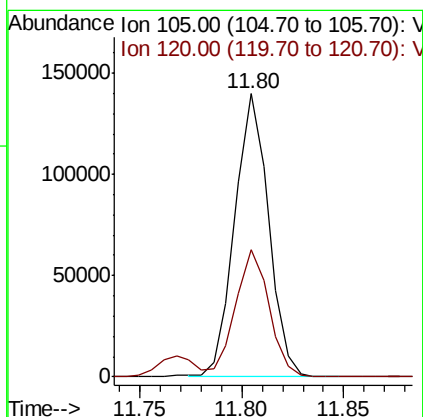
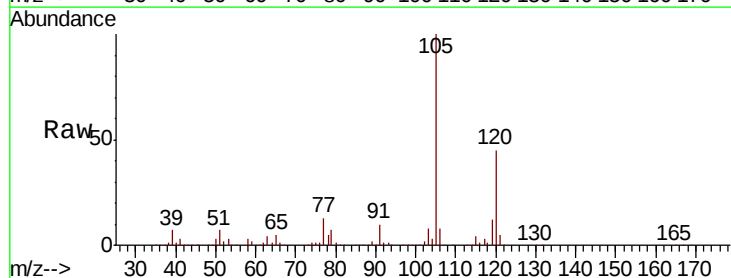
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

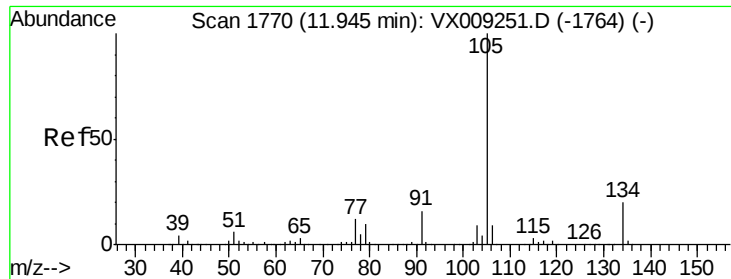
Tot Ion:119 Resp: 156056
Ion Ratio Lower Upper
119 100
91 58.6 0.0 118.2
134 22.3 0.0 45.0



#80
1,2,4-Trimethylbenzene
Concen: 22.153 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion:105 Resp: 160361
Ion Ratio Lower Upper
105 100
120 45.0 0.0 89.6

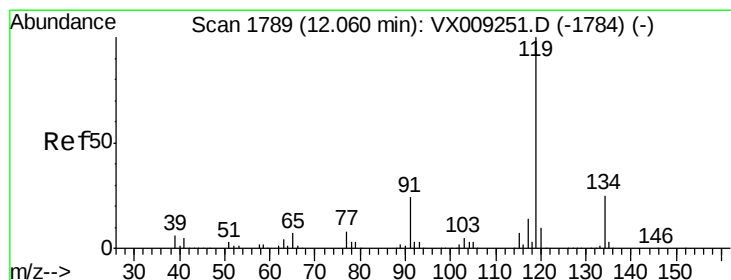
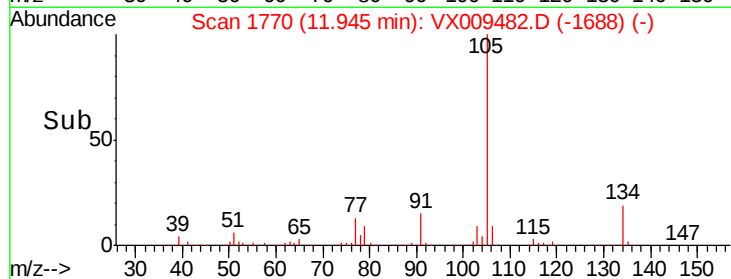
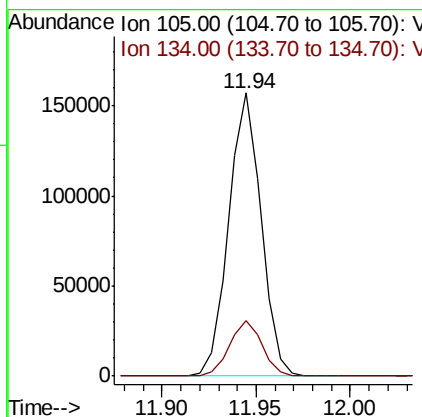
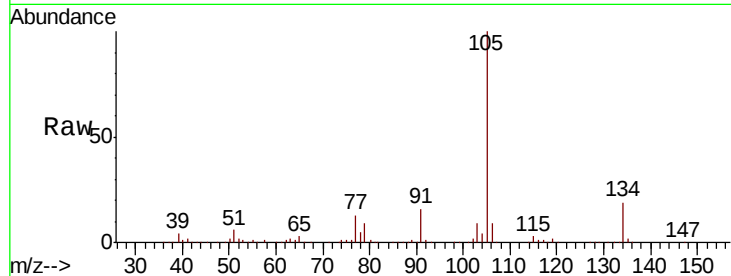




#81
 sec-Butylbenzene
 Concen: 22.493 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

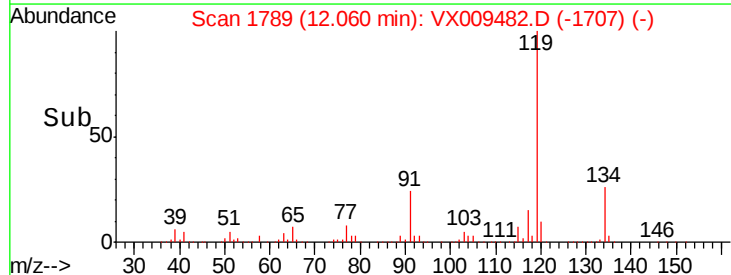
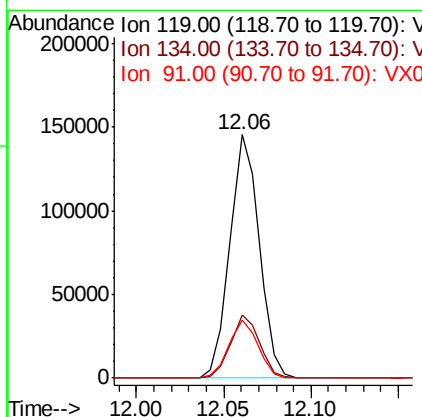
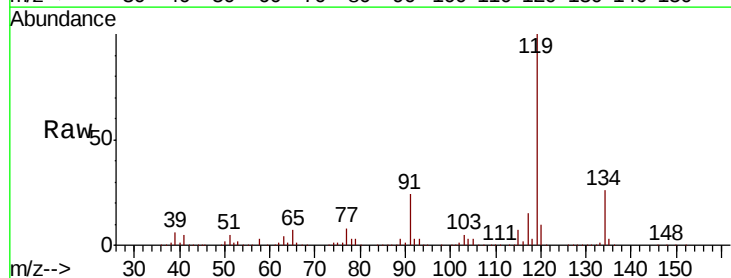
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

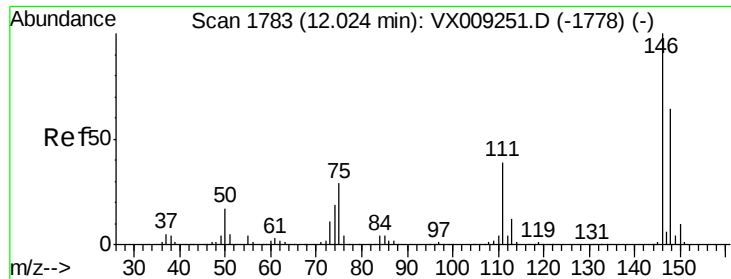
Tot Ion:105 Resp: 186583
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.6



#82
 p-Isopropyltoluene
 Concen: 22.592 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion:119 Resp: 170472
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 50.8
 91 23.8 0.0 47.2

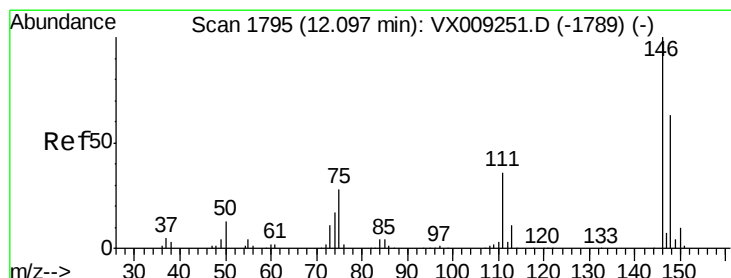
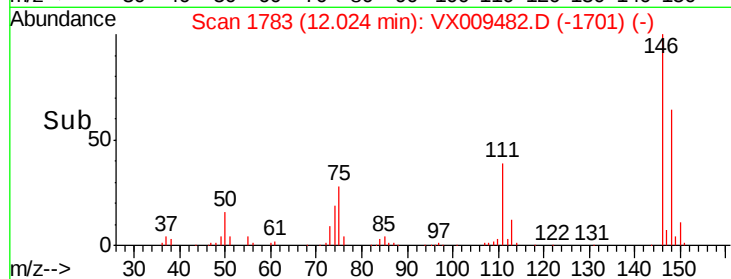
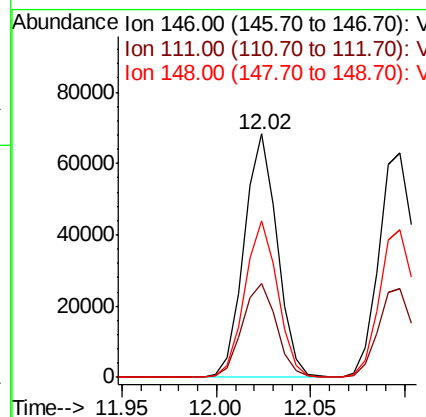
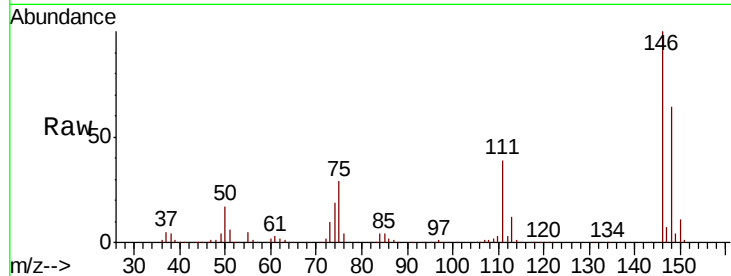




#83
 1,3-Dichlorobenzene
 Concen: 22.108 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

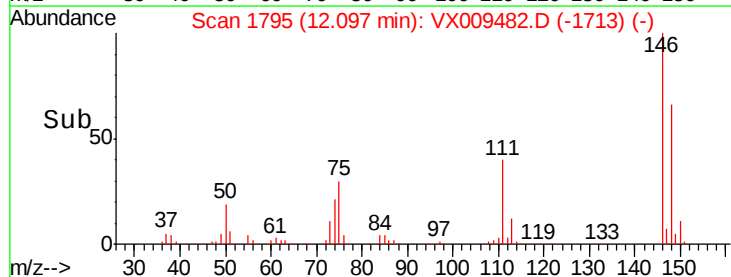
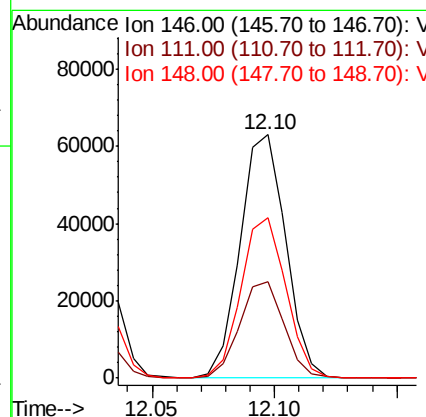
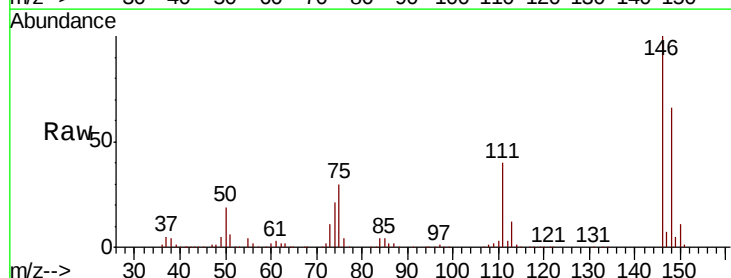
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

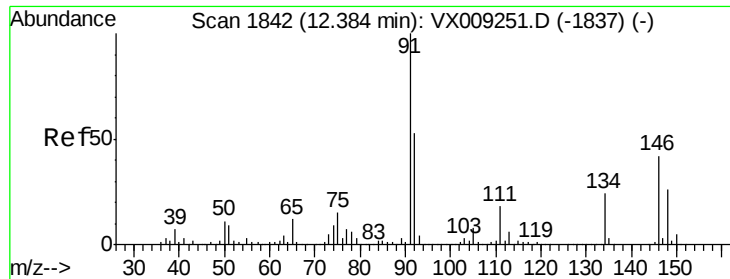
Tot Ion:146 Resp: 83173
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 64.0 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 21.851 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion:146 Resp: 81901
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.7
 148 65.2 32.3 96.8

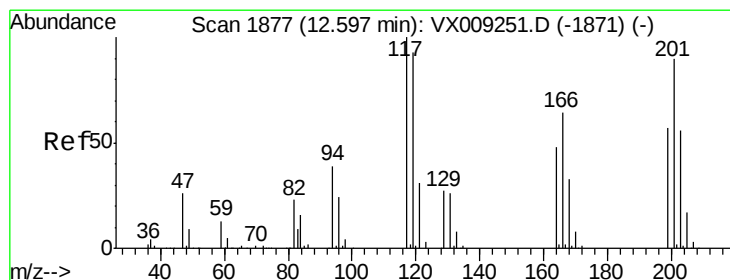
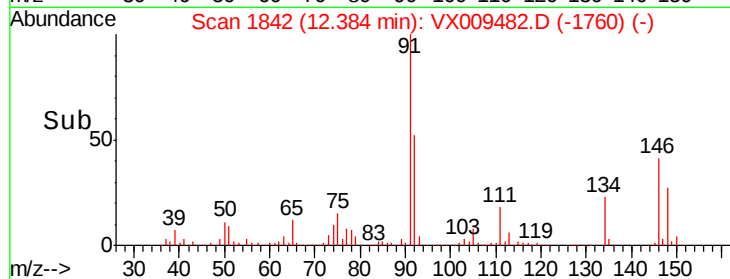
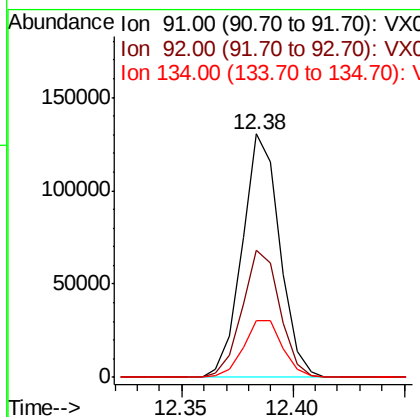
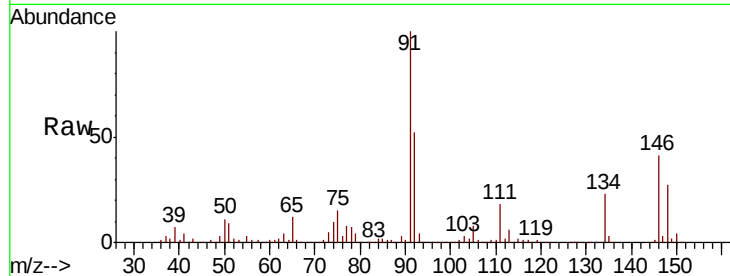




#85
n-Butylbenzene
Concen: 22.247 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

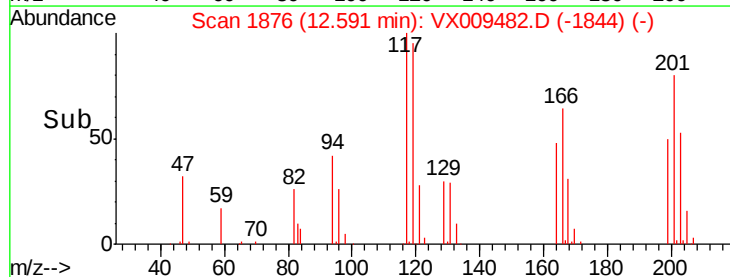
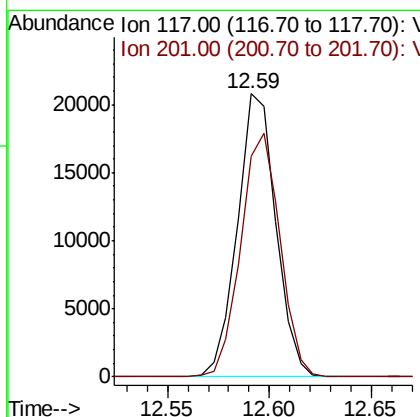
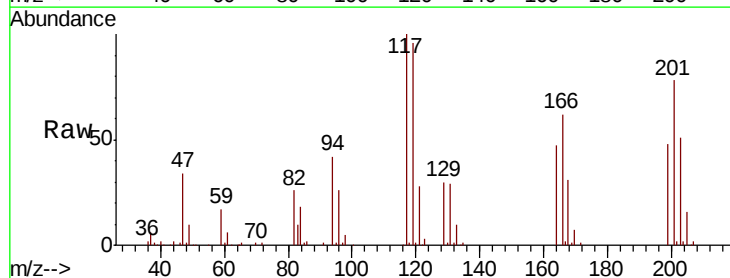
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

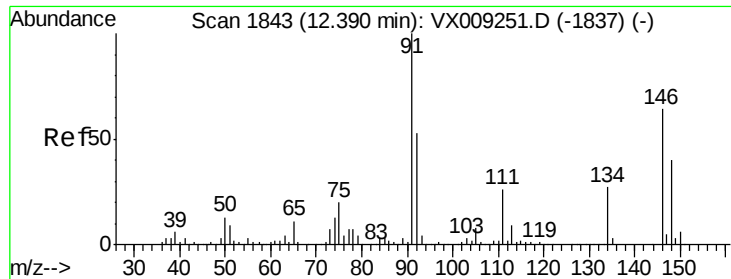
Tot Ion: 91 Resp: 153603
Ion Ratio Lower Upper
91 100
92 52.6 0.0 106.6
134 24.5 0.0 50.0



#86
Hexachloroethane
Concen: 21.223 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009482.D
Acq: 10 May 2019 14:57

Tgt Ion: 117 Resp: 27250
Ion Ratio Lower Upper
117 100
201 87.7 41.8 125.4

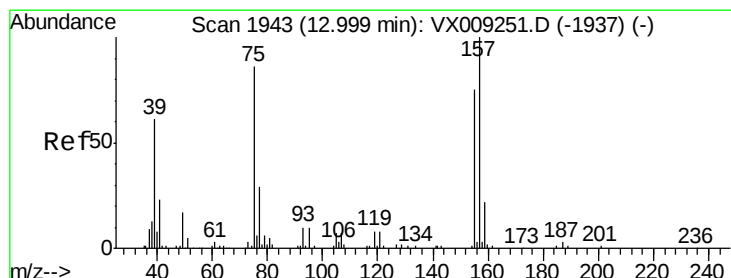
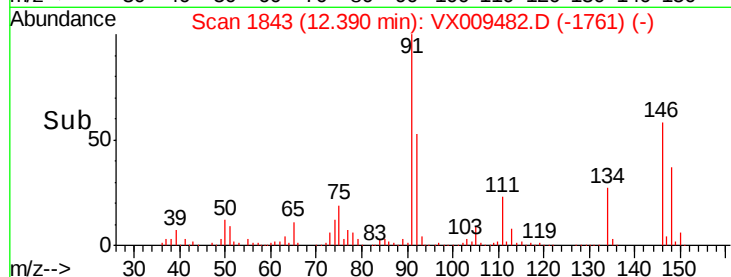
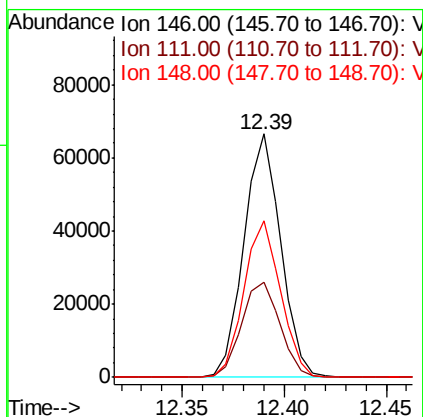
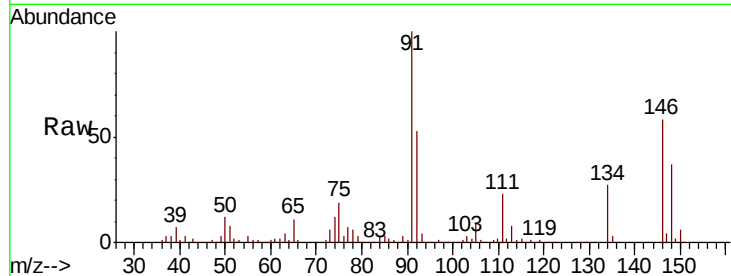




#87
 1,2-Dichlorobenzene
 Concen: 22.055 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

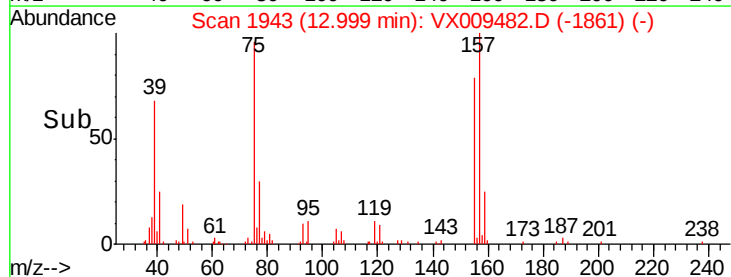
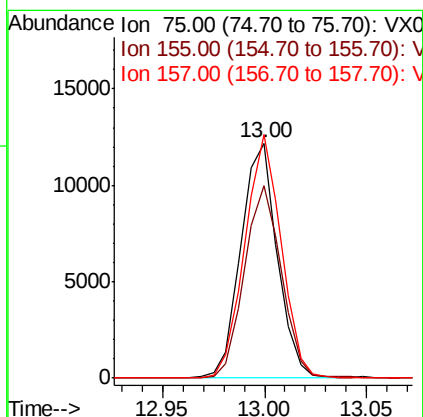
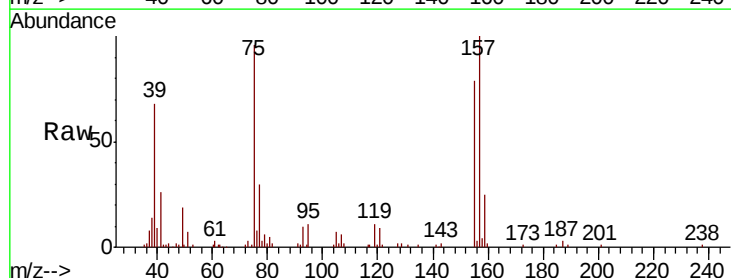
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

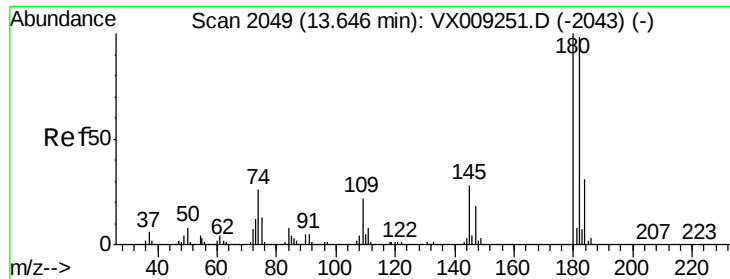
Tot Ion:146 Resp: 83524
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.8 62.2
 148 64.0 31.4 94.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.810 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion: 75 Resp: 15100
 Ion Ratio Lower Upper
 75 100
 155 82.9 65.9 98.9
 157 103.5 85.2 127.8

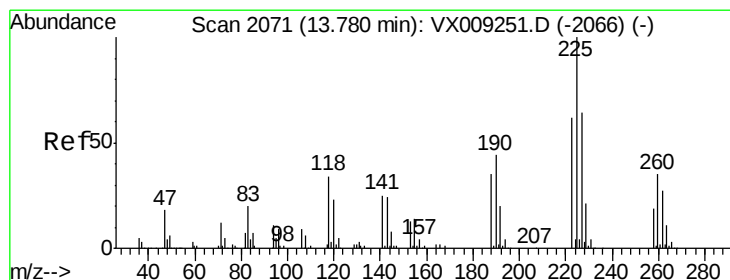
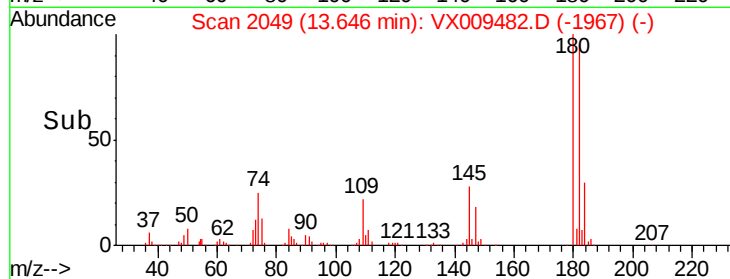
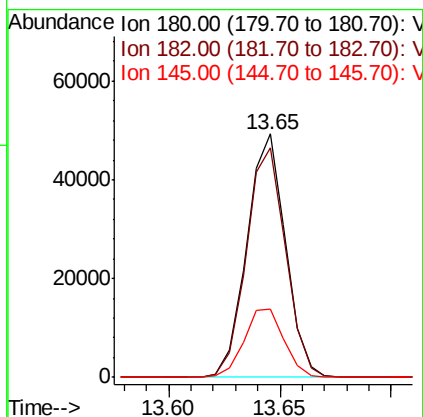
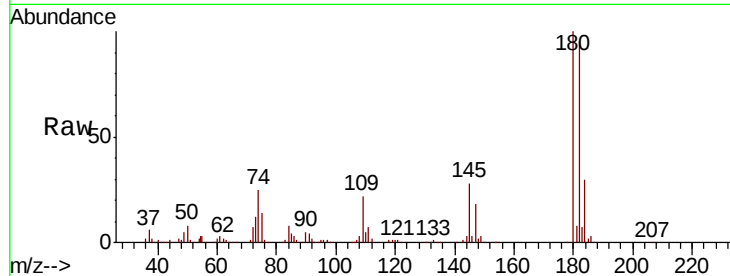




#89
 1,2,4-Trichlorobenzene
 Concen: 22.158 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

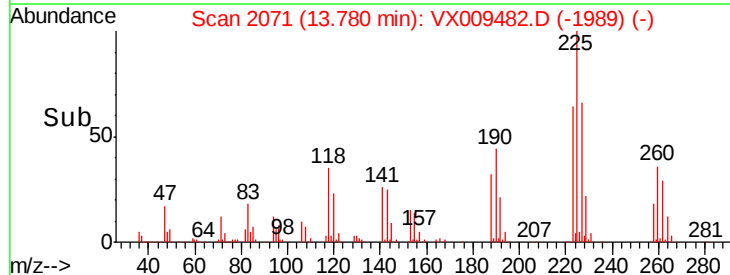
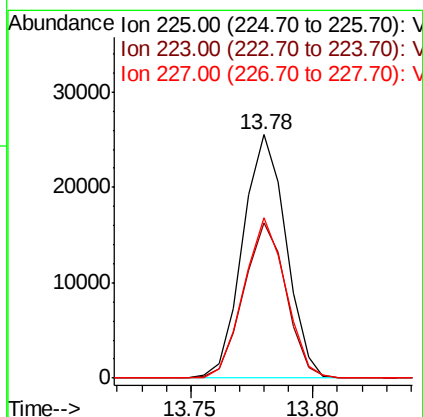
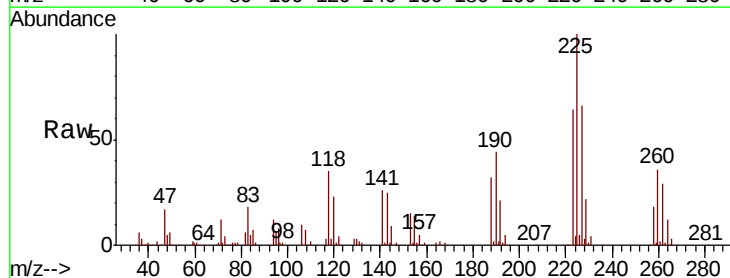
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

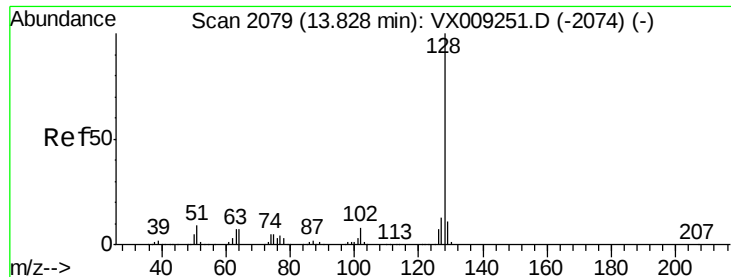
Tot Ion:180 Resp: 59809
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.9 115.3
 145 29.1 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 23.289 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009482.D
 Acq: 10 May 2019 14:57

Tgt Ion:225 Resp: 31400
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 126.6
 227 63.8 0.0 130.0





#91

Naphthalene

Concen: 21.837 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

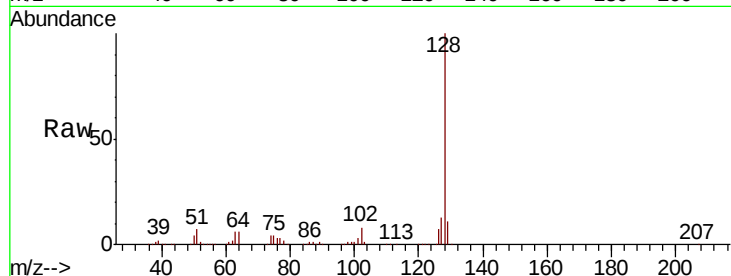
Tot Ion:128 Resp: 192986

Ion Ratio Lower Upper

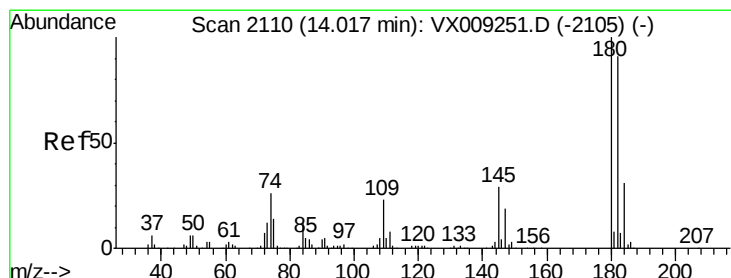
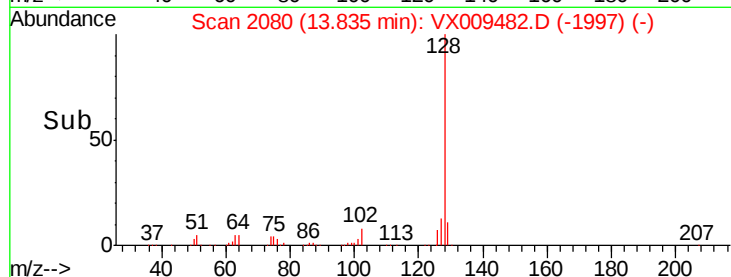
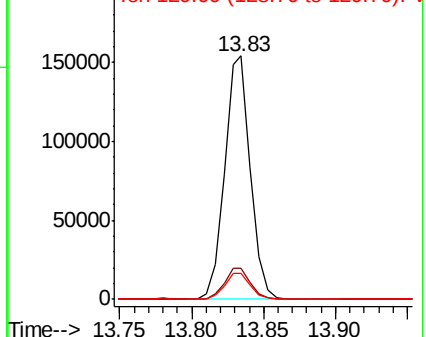
128 100

127 13.1 10.5 15.7

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 22.639 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009482.D

Acq: 10 May 2019 14:57

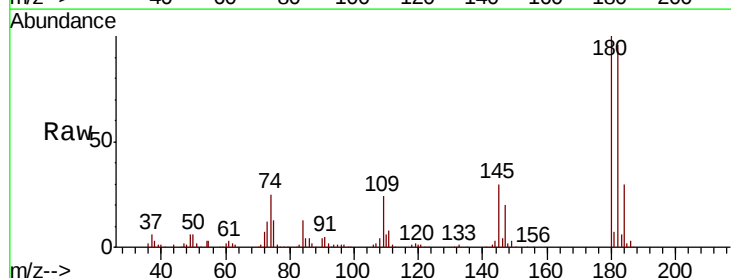
Tgt Ion:180 Resp: 62118

Ion Ratio Lower Upper

180 100

182 95.5 0.0 189.0

145 31.1 0.0 61.6



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

