

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040519\
 Data File : VX008681.D
 Acq On : 05 Apr 2019 13:41
 Operator : JC/SP
 Sample : VX0405WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

Quant Time: Apr 06 01:21:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	29276	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	170198	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	150826	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	73570	30.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.13%
60) 4-Bromofluorobenzene	11.13	95	77992	29.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.93%
63) Toluene-d8	8.71	98	216393	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	36524	18.245	ug/l 98
3) Chloromethane	1.32	50	49724	18.958	ug/l 96
4) Vinyl Chloride	1.40	62	47737	18.056	ug/l 98
5) Bromomethane	1.64	94	20497	14.963	ug/l 99
6) Chloroethane	1.72	64	29807	17.226	ug/l 99
7) Trichlorofluoromethane	1.93	101	54049	18.419	ug/l 94
8) Diethyl Ether	2.18	74	26254	18.972	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	2.39	101	35401	19.372	ug/l 93
10) 1,1-Dichloroethene	2.37	96	35875	19.351	ug/l # 81
11) Methyl Iodide	2.51	142	18063	9.409	ug/l 95
12) Methyl Acetate	3.20	43	30275	20.148	ug/l 92
13) Acrolein	2.29	56	47506	110.205	ug/l 98
14) Acrylonitrile	3.14	53	146439	105.412	ug/l 99
15) Acetone	2.44	58	44803	104.583	ug/l 90
16) Carbon Disulfide	2.57	76	104626	18.142	ug/l 99
17) Allyl chloride	2.73	41	83616	20.068	ug/l 92
18) Methylene Chloride	2.85	84	46468	20.968	ug/l # 84
19) trans-1,2-Dichloroethene	3.17	96	38303	19.338	ug/l 88
20) Diisopropyl ether	3.85	45	166191	20.493	ug/l # 87
21) 1,1-Dichloroethane	3.70	63	81352	19.985	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	45603	19.924	ug/l # 81
23) tert-Butyl Alcohol	3.04	59	53494	95.360	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	135172	19.839	ug/l 98
25) Chloroform	5.21	83	72775	19.737	ug/l 98
26) Cyclohexane	5.58	56	76111	19.246	ug/l # 83
29) 1,1-Dichloropropene	5.80	75	56226	19.637	ug/l 93
30) 2-Butanone	4.67	43	220134	104.550	ug/l 94
31) 2,2-Dichloropropane	4.59	77	56906	19.899	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	57576	19.364	ug/l # 95
33) Carbon Tetrachloride	5.79	117	47769	19.202	ug/l 98
34) Benzene	6.14	78	174210	19.904	ug/l # 97
35) Methacrylonitrile	5.04	41	45216	21.117	ug/l 91
36) 1,2-Dichloroethane	6.19	62	62024	19.876	ug/l 97
37) Trichloroethene	7.21	130	40044	19.894	ug/l 82
38) Methylcyclohexane	7.46	83	68459	18.974	ug/l 88
39) 1,2-Dichloropropane	7.51	63	49733	20.033	ug/l 98
40) Dibromomethane	7.66	93	28612	19.896	ug/l 91

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	54435	19.251	ug/l	97
42) Vinyl Acetate	3.81	43	734563	102.914	ug/l #	93
43) Ethyl Acetate	4.84	43	79938	21.094	ug/l #	82
44) Isopropyl Acetate	6.45	43	123727	20.191	ug/l	98
45) 1,4-Dioxane	7.74	88	21770	356.875	ug/l #	84
46) Methyl methacrylate	7.77	41	63176	20.299	ug/l	85
47) n-amyl Acetate	10.90	43	112283	20.172	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	60276	18.872	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	69569	19.474	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	41932	19.637	ug/l	97
51) Ethyl methacrylate	9.18	69	77383	19.474	ug/l	91
52) 1,3-Dichloropropane	9.37	76	76068	20.023	ug/l	100
53) Dibromochloromethane	9.58	129	40103	19.085	ug/l	99
54) 1,2-Dibromoethane	9.67	107	42924	19.500	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	202092	100.810	ug/l	95
56) Bromoform	10.85	173	28134	18.371	ug/l #	98
58) 4-Methyl-2-Pentanone	8.64	43	418331	105.133	ug/l #	94
59) 2-Hexanone	9.49	43	325049	103.399	ug/l	97
61) Tetrachloroethene	9.34	164	35724	21.654	ug/l	97
62) Toluene	8.78	91	181799	19.908	ug/l	99
64) Chlorobenzene	10.14	112	106147	19.838	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	37200	19.719	ug/l	98
66) Ethyl Benzene	10.25	91	200176	19.749	ug/l	96
67) m/p-Xylenes	10.36	106	144641	39.124	ug/l	92
68) o-Xylene	10.70	106	70855	19.585	ug/l	92
69) Styrene	10.71	104	122225	19.416	ug/l	96
70) Isopropylbenzene	11.02	105	186908	19.586	ug/l	94
71) 1,1,2,2-Tetrachloroethane	11.27	83	71066	19.934	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	81007	26.881	ug/l	90
73) Bromobenzene	11.26	156	45176	19.897	ug/l	79
74) n-propylbenzene	11.36	91	217878	19.164	ug/l	95
75) 2-Chlorotoluene	11.42	91	130963	19.362	ug/l	91
76) 1,3,5-Trimethylbenzene	11.51	105	156814	19.220	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	20920	18.098	ug/l	93
78) 4-Chlorotoluene	11.51	91	146865	18.866	ug/l	92
79) tert-butylbenzene	12.06	119	161206	19.334	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	157609	19.374	ug/l	96
81) sec-Butylbenzene	11.94	105	179608	19.267	ug/l	96
82) p-Isopropyltoluene	12.06	119	161206	19.334	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	78383	19.446	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	78339	19.448	ug/l	97
85) n-Butylbenzene	12.38	91	148428	18.736	ug/l	97
86) Hexachloroethane	12.59	117	25553	18.342	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	80597	19.844	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15473	19.582	ug/l #	78
89) 1,2,4-Trichlorobenzene	13.65	180	56185	20.055	ug/l	99
90) Hexachlorobutadiene	13.78	225	26947	19.965	ug/l	98
91) Naphthalene	13.83	128	192877	20.094	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	56990	20.194	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration

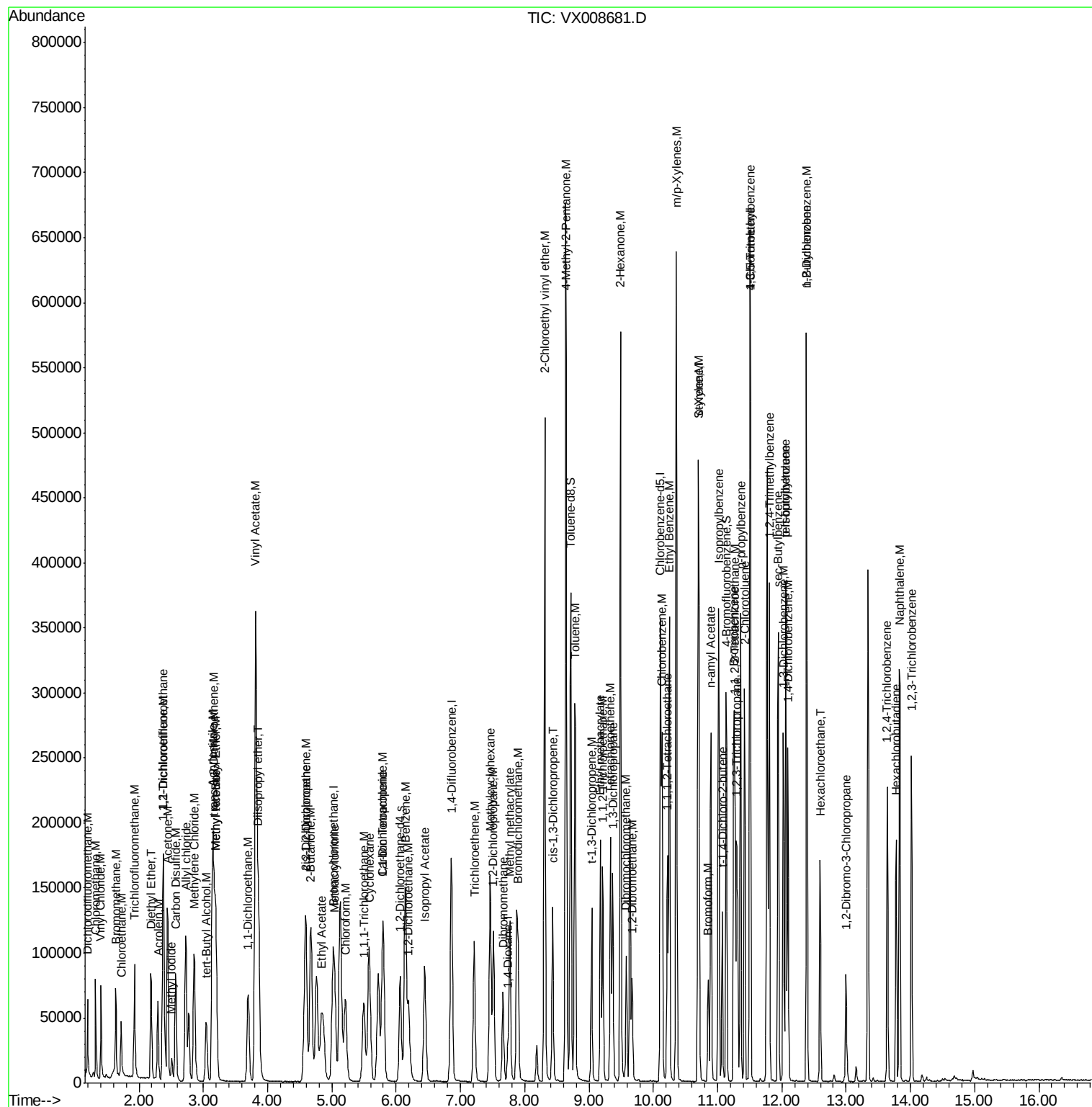
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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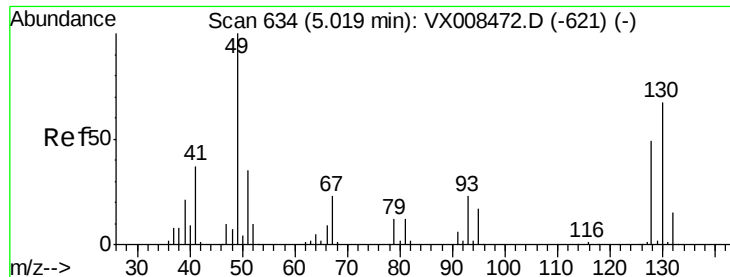
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040519\
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
VX0405WBSD01

Quant Time: Apr 06 01:21:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

VX0405WBSD01

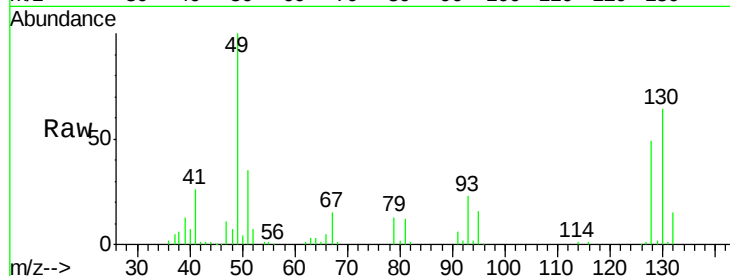
Tot Ion:128 Resp: 29276

Ion Ratio Lower Upper

128 100

49 208.3 0.0 350.8

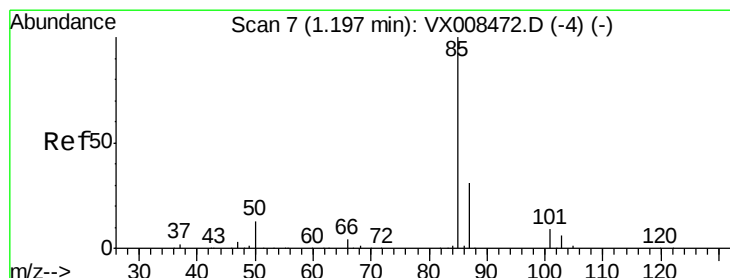
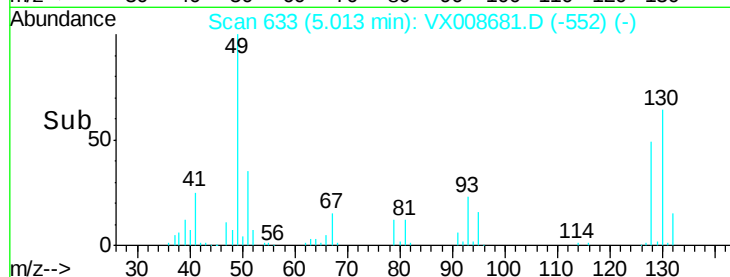
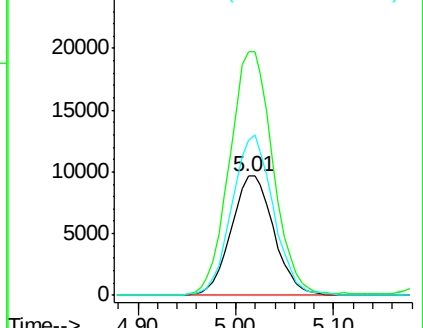
130 130.4 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.245 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008681.D

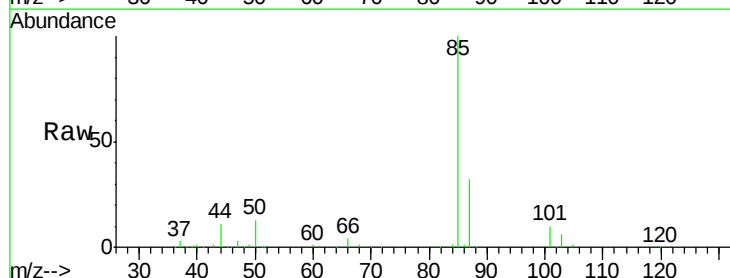
Acq: 05 Apr 2019 13:41

Tgt Ion: 85 Resp: 36524

Ion Ratio Lower Upper

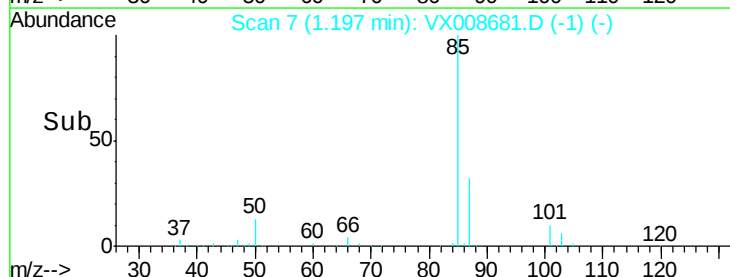
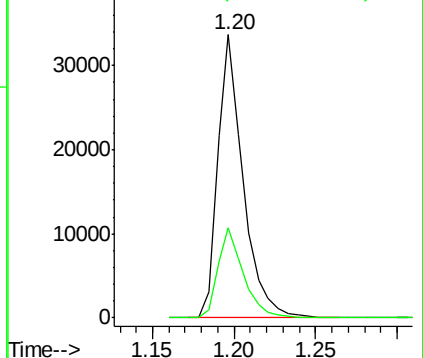
85 100

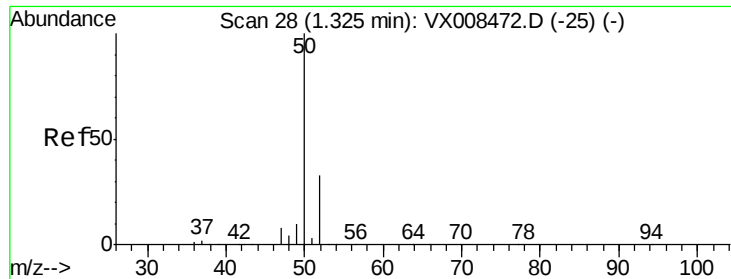
87 31.8 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 18.958 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

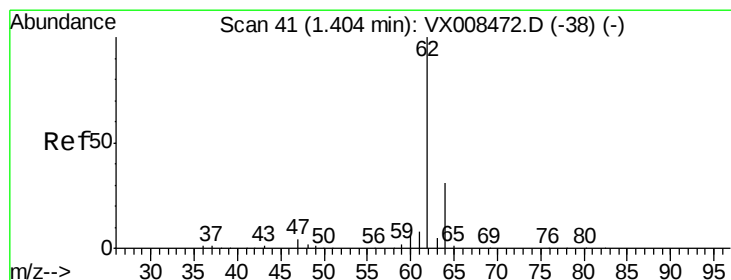
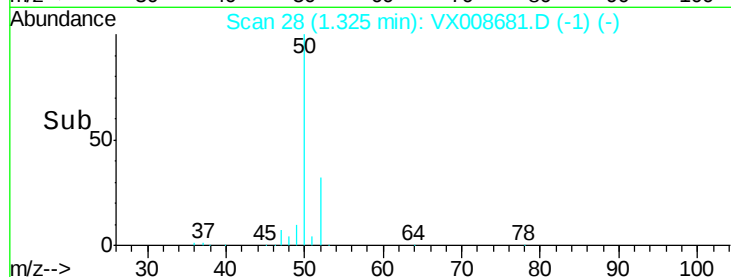
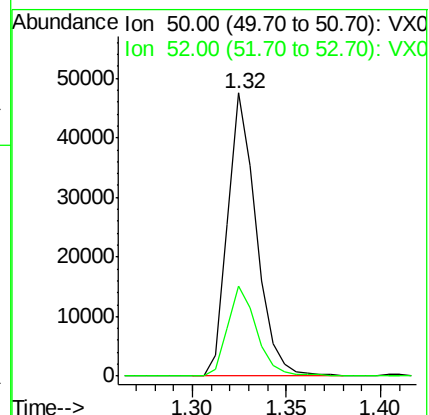
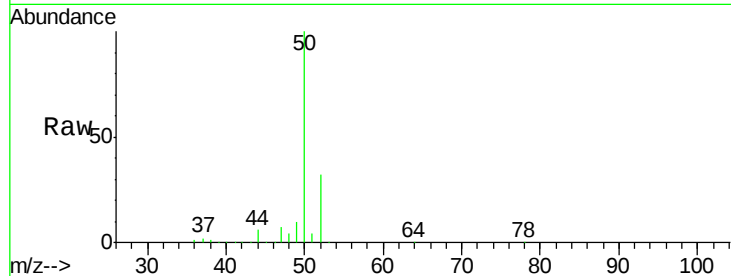
VX0405WBSD01

Tot Ion: 50 Resp: 49724

Ion Ratio Lower Upper

50 100

52 32.1 27.5 41.3



#4

Vinyl Chloride

Concen: 18.056 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008681.D

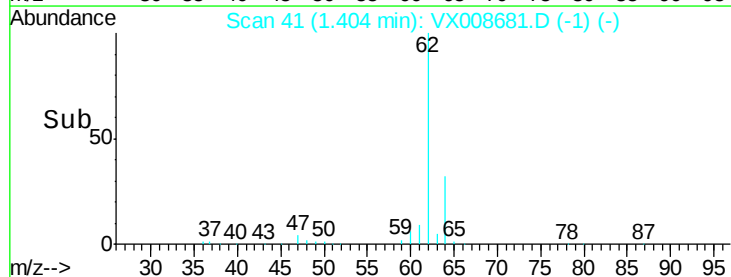
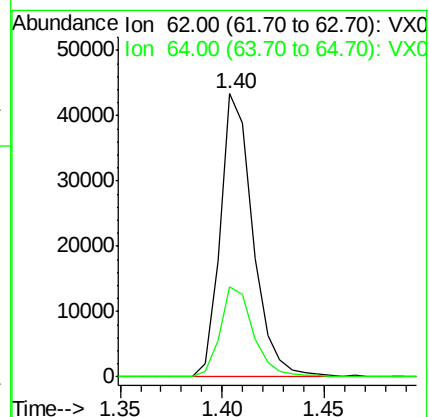
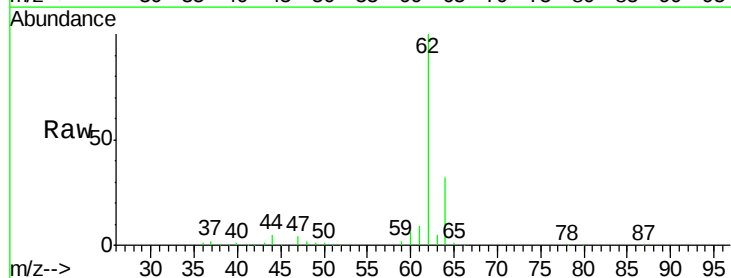
Acq: 05 Apr 2019 13:41

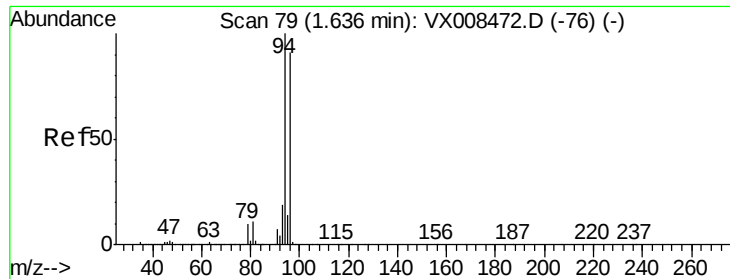
Tgt Ion: 62 Resp: 47737

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 14.963 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

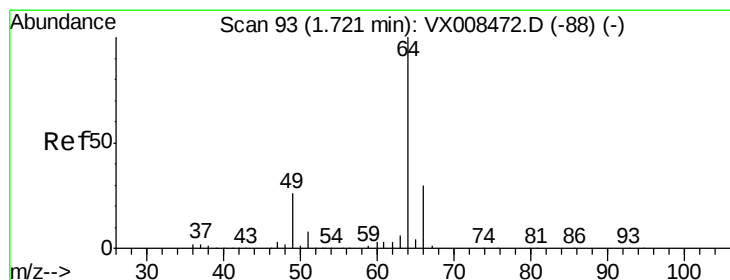
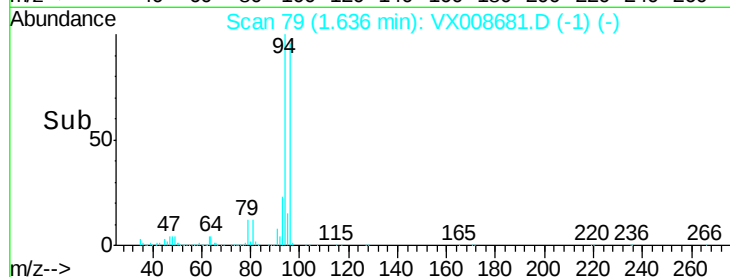
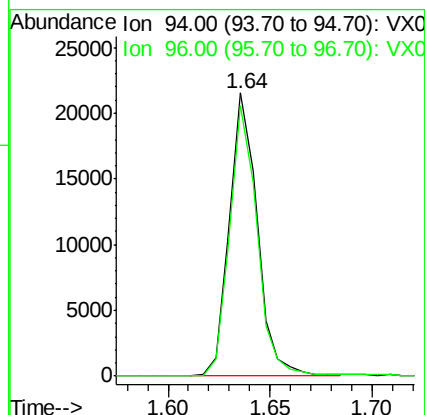
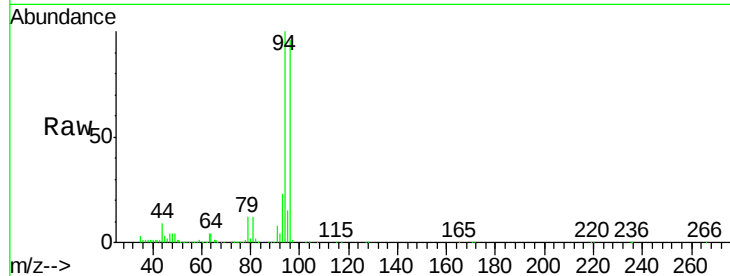
VX0405WBSD01

Tot Ion: 94 Resp: 20497

Ion Ratio Lower Upper

94 100

96 95.8 75.6 113.4



#6

Chloroethane

Concen: 17.226 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008681.D

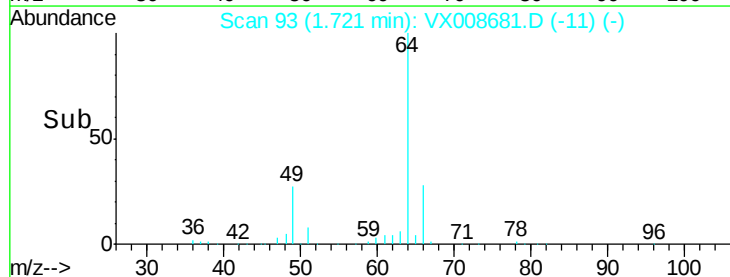
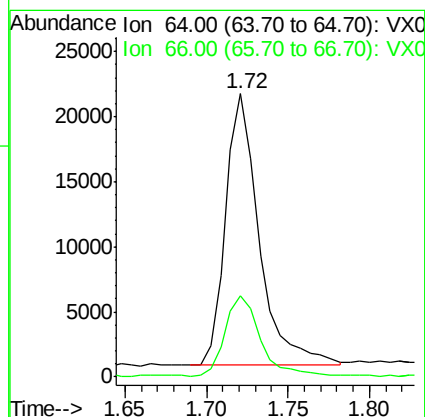
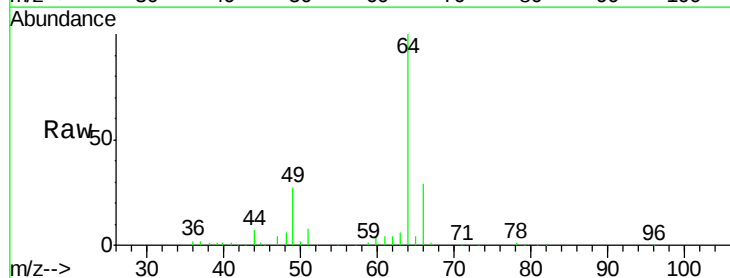
Acq: 05 Apr 2019 13:41

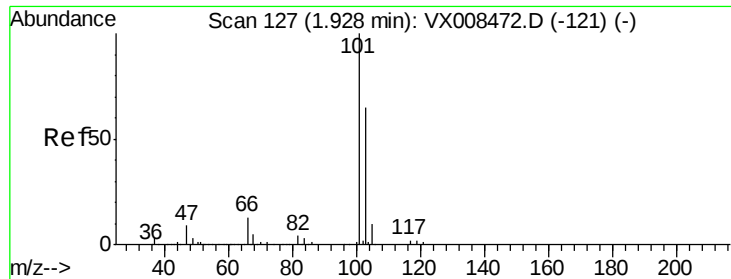
Tgt Ion: 64 Resp: 29807

Ion Ratio Lower Upper

64 100

66 29.4 23.9 35.9



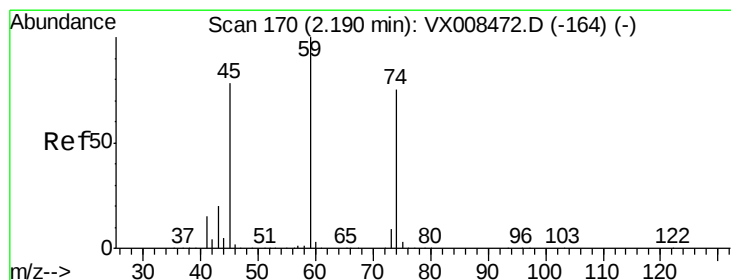
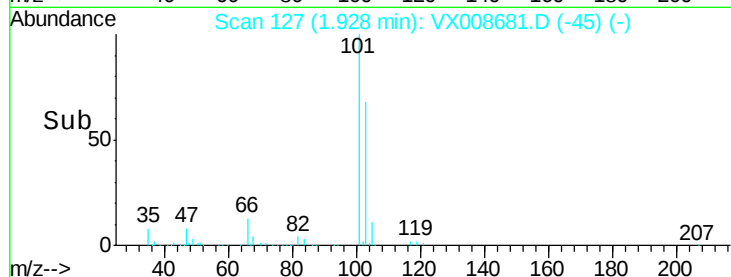
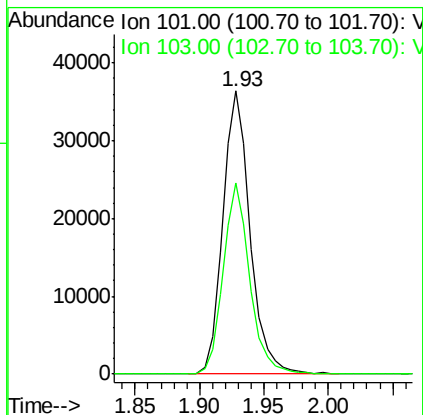
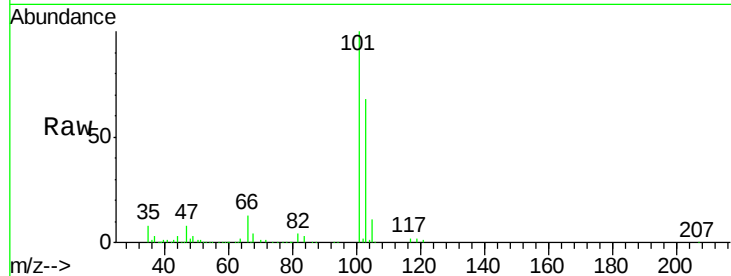


#7

Trichlorofluoromethane
 Concen: 18.419 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

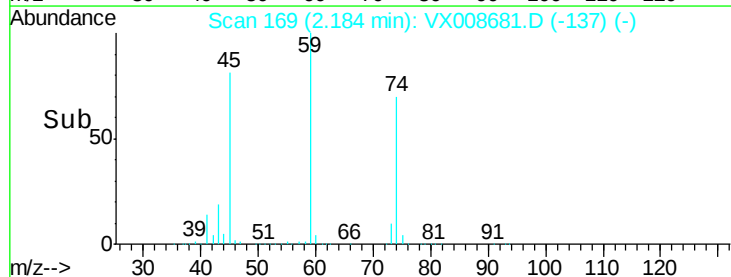
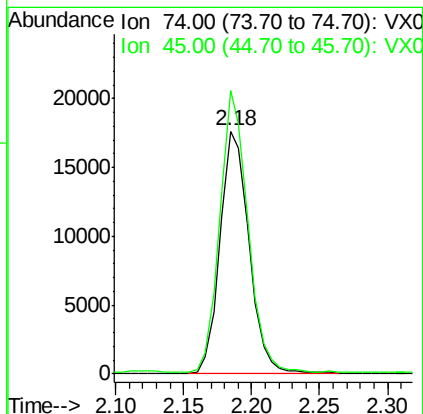
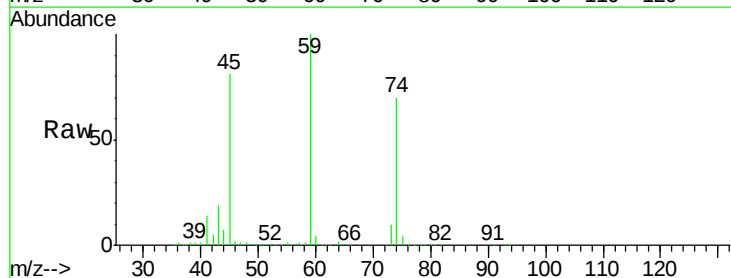
Tot Ion:101 Resp: 54049
 Ion Ratio Lower Upper
 101 100
 103 67.7 50.4 75.6

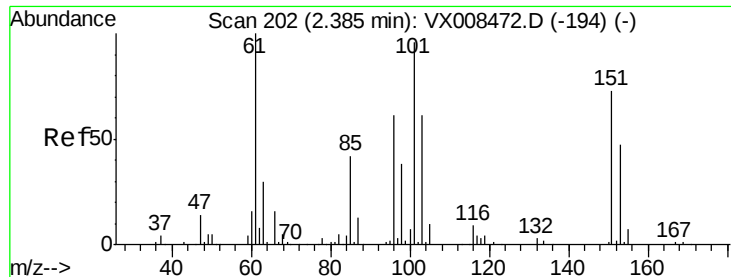


#8

Diethyl Ether
 Concen: 18.972 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion: 74 Resp: 26254
 Ion Ratio Lower Upper
 74 100
 45 112.2 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.372 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD01

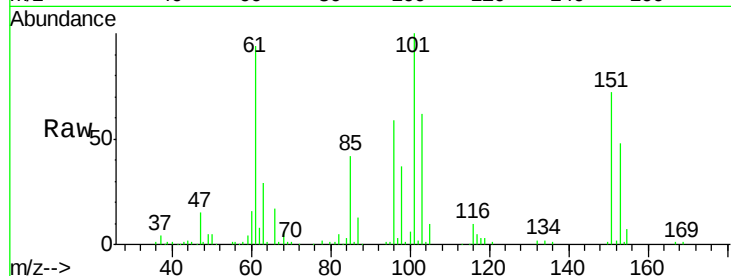
Tot Ion:101 Resp: 35401

Ion Ratio Lower Upper

101 100

85 43.5 0.0 86.8

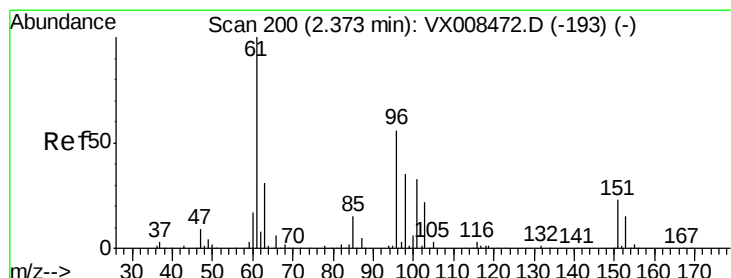
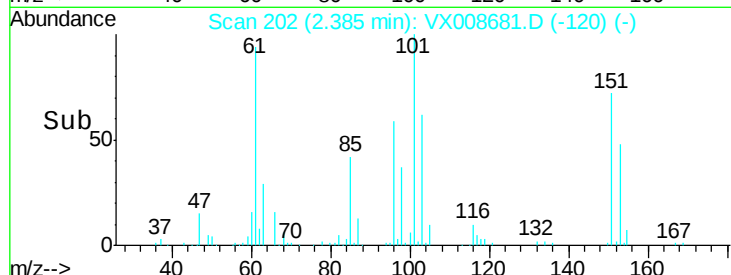
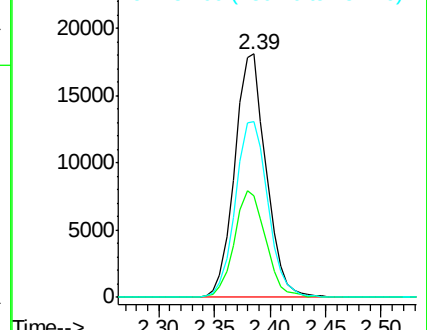
151 75.0 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.351 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

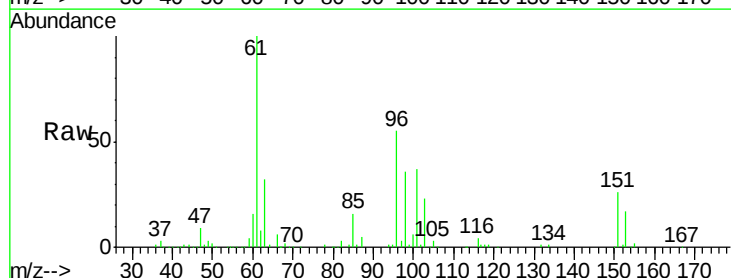
Tgt Ion: 96 Resp: 35875

Ion Ratio Lower Upper

96 100

61 181.3 120.2 180.2#

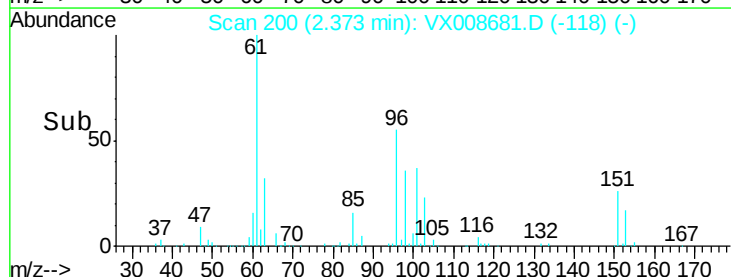
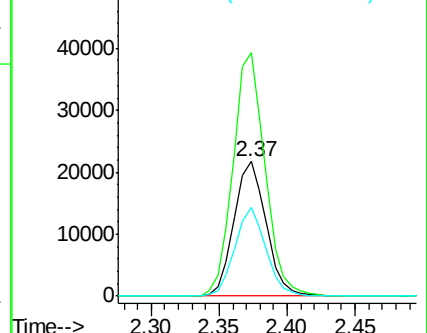
98 65.9 49.0 73.4

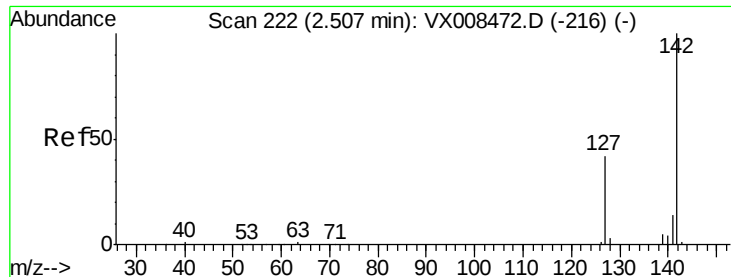


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

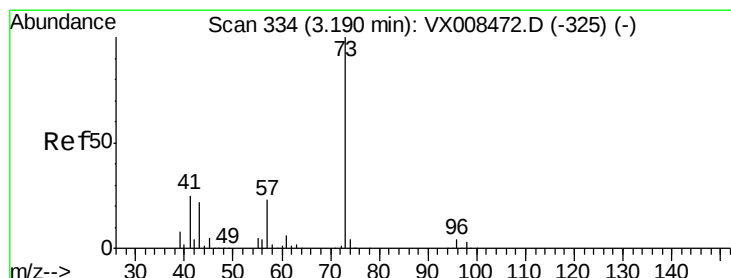
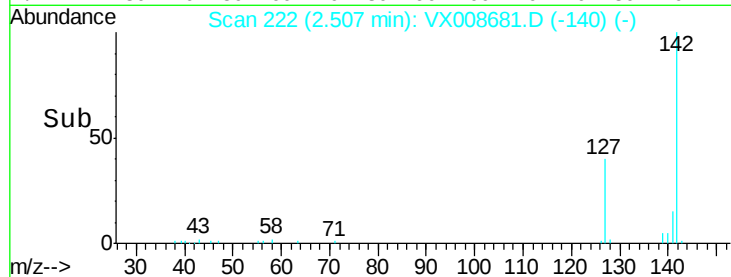
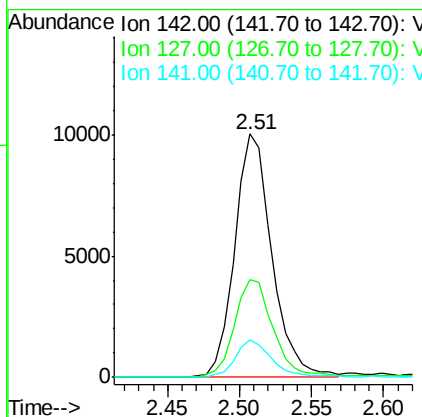
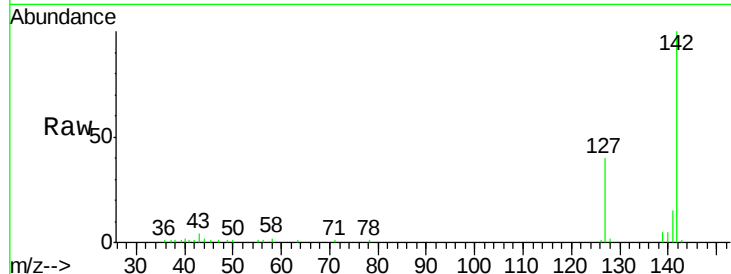




#11
Methvl Iodide
Concen: 9.409 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

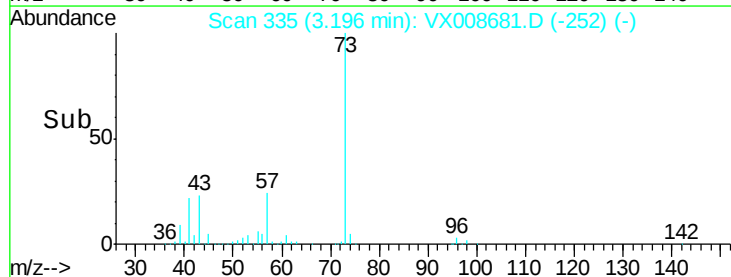
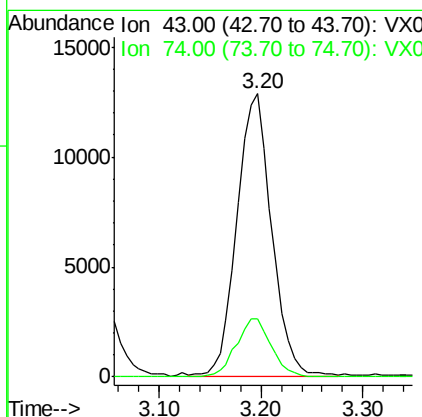
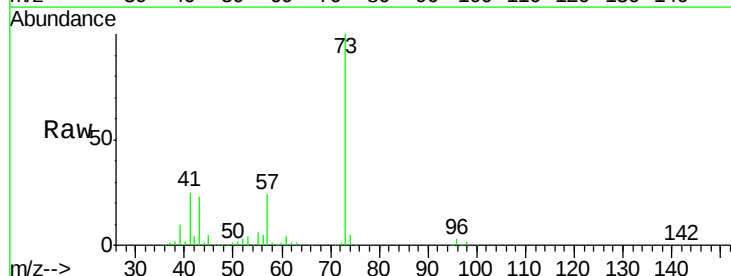
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD01

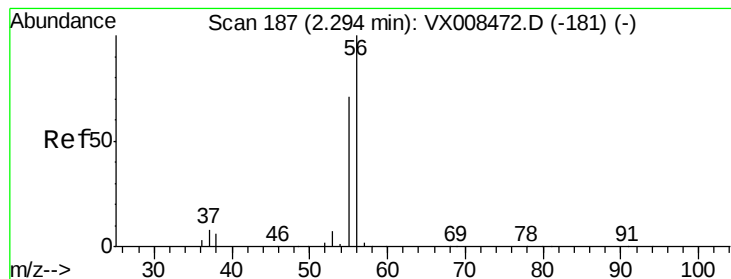
Tot Ion:142 Resp: 18063
Ion Ratio Lower Upper
142 100
127 39.9 22.1 66.5
141 15.3 7.4 22.3



#12
Methyl Acetate
Concen: 20.148 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion: 43 Resp: 30275
Ion Ratio Lower Upper
43 100
74 20.5 19.4 29.0





#13

Acrolein

Concen: 110.205 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

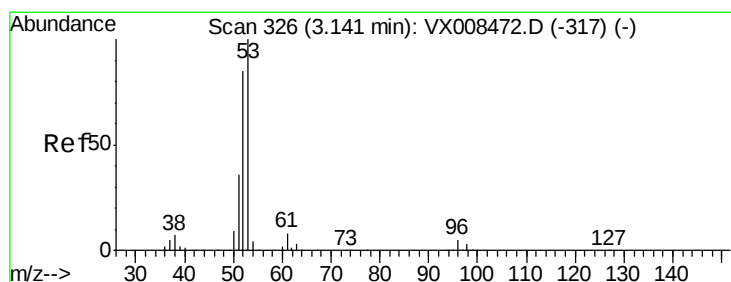
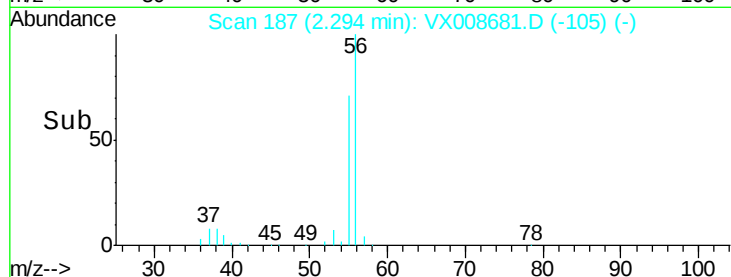
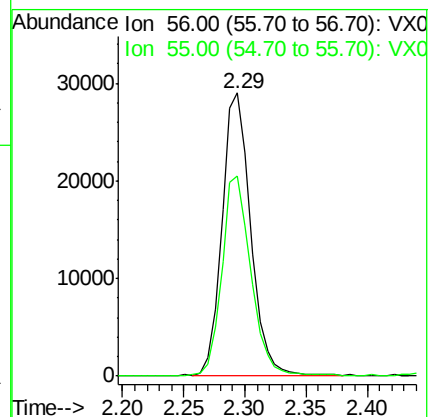
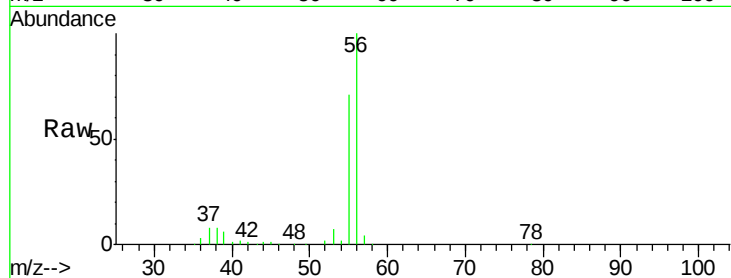
VX0405WBSD01

Tot Ion: 56 Resp: 47506

Ion Ratio Lower Upper

56 100

55 71.5 58.6 87.8



#14

Acrylonitrile

Concen: 105.412 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

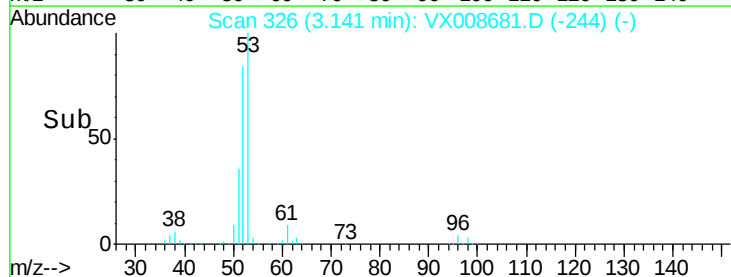
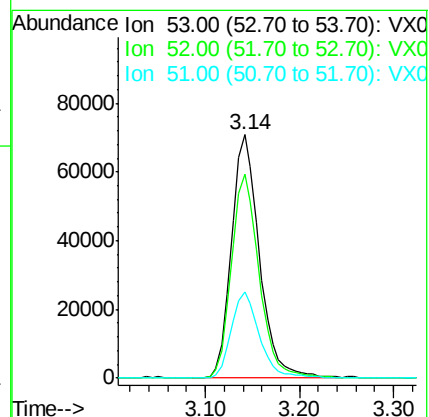
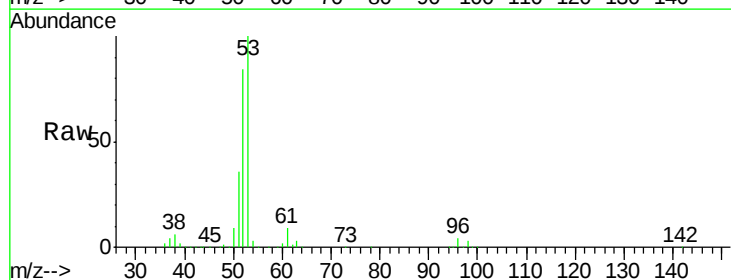
Tgt Ion: 53 Resp: 146439

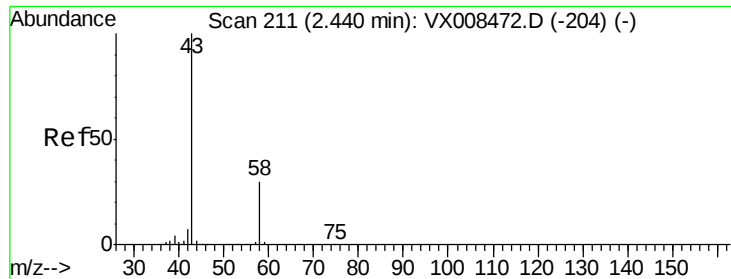
Ion Ratio Lower Upper

53 100

52 83.3 41.3 124.1

51 35.7 17.5 52.6





#15

Acetone

Concen: 104.583 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

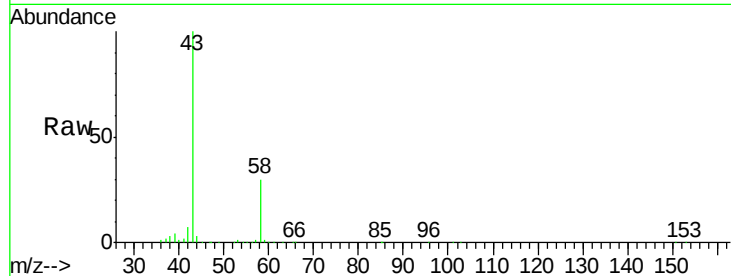
VX0405WBSD01

Tot Ion: 58 Resp: 44803

Ion Ratio Lower Upper

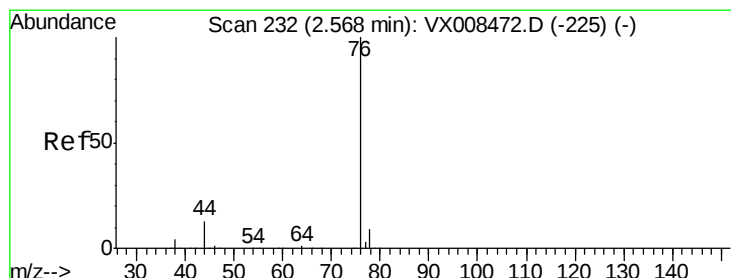
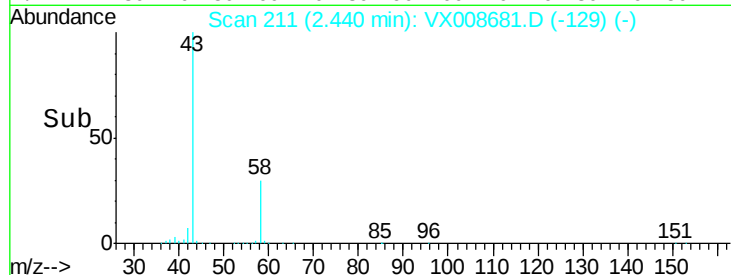
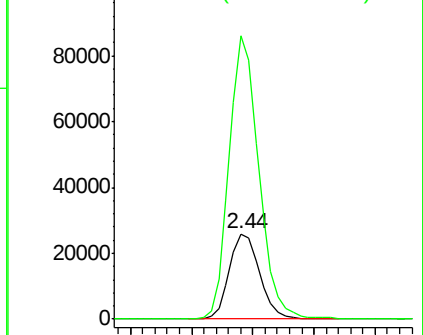
58 100

43 331.3 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.142 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008681.D

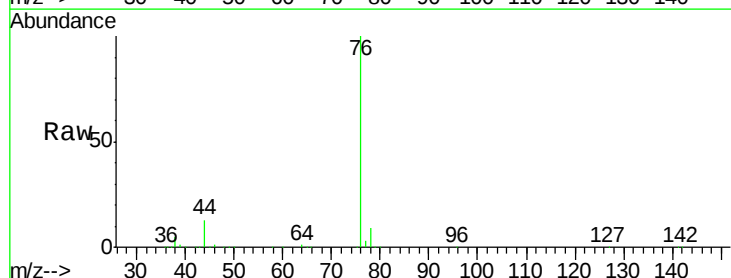
Acq: 05 Apr 2019 13:41

Tgt Ion: 76 Resp: 104626

Ion Ratio Lower Upper

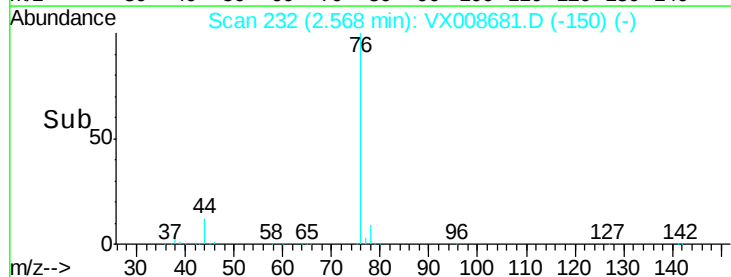
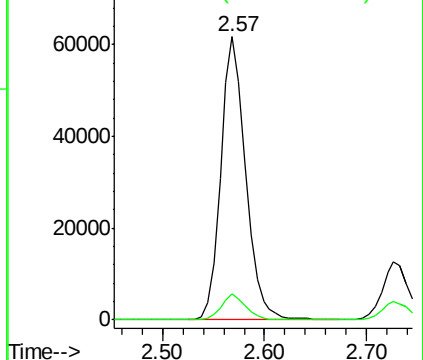
76 100

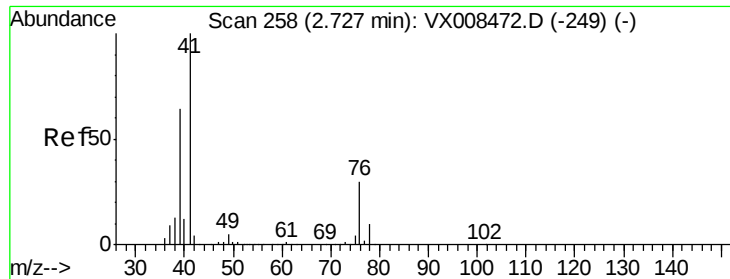
78 9.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

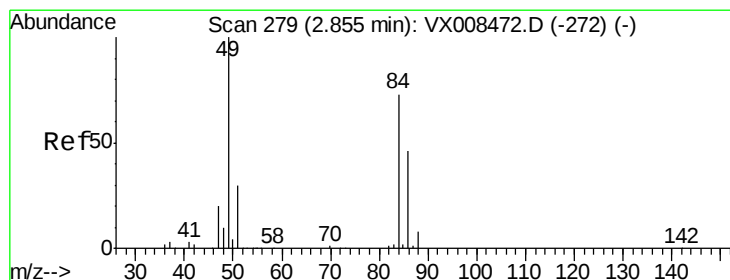
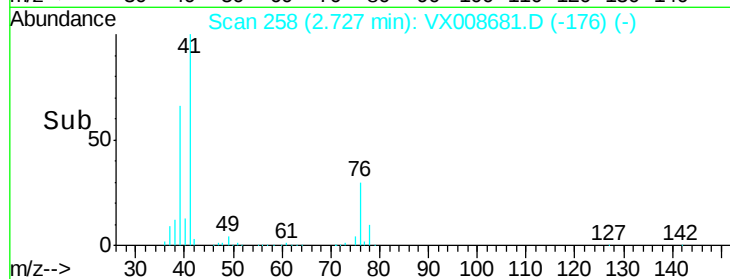
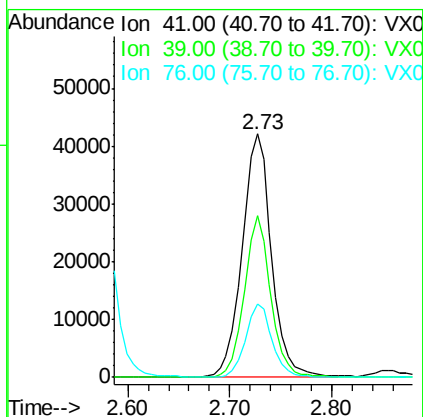
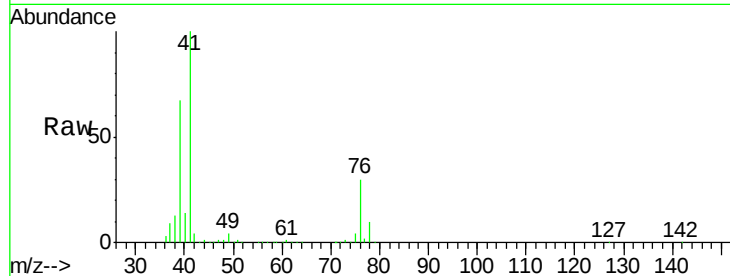




#17
Allvl chloride
Concen: 20.068 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

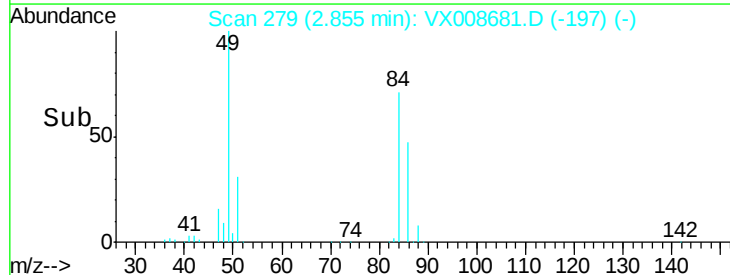
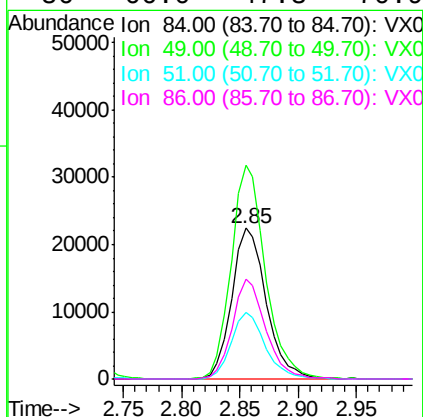
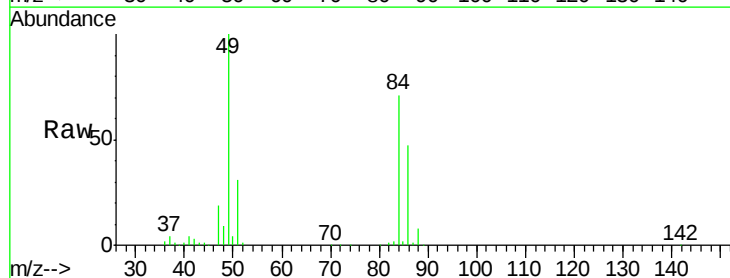
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD01

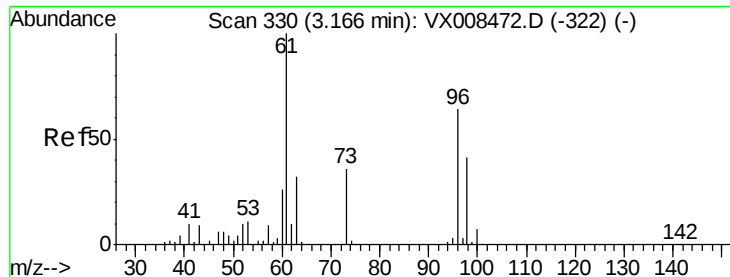
Tot Ion: 41 Resp: 83616
Ion Ratio Lower Upper
41 100
39 66.5 35.8 107.4
76 30.0 18.3 54.9



#18
Methylene Chloride
Concen: 20.968 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion: 84 Resp: 46468
Ion Ratio Lower Upper
84 100
49 141.5 96.1 144.1
51 44.3 29.1 43.7#
86 66.0 47.3 70.9

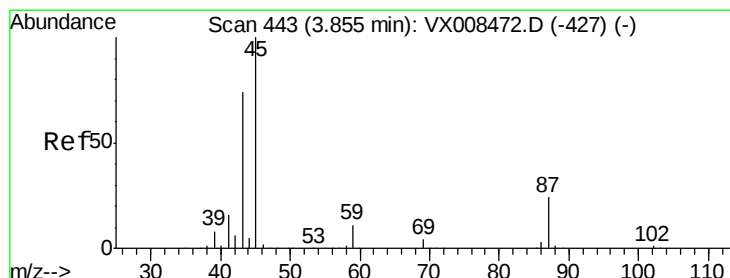
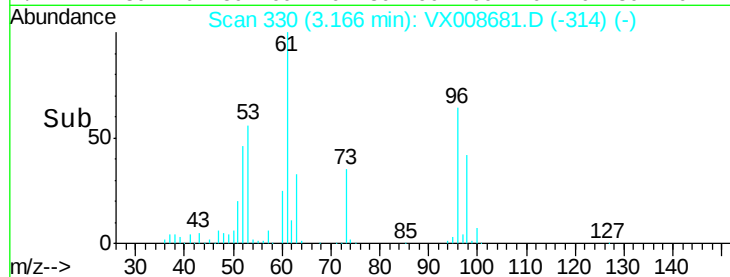
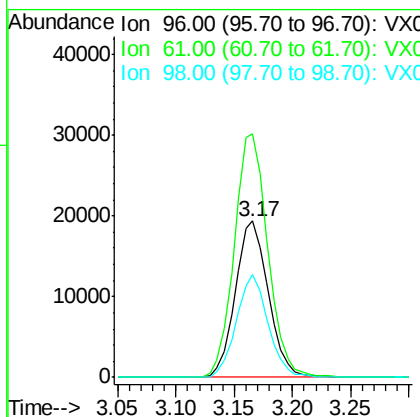
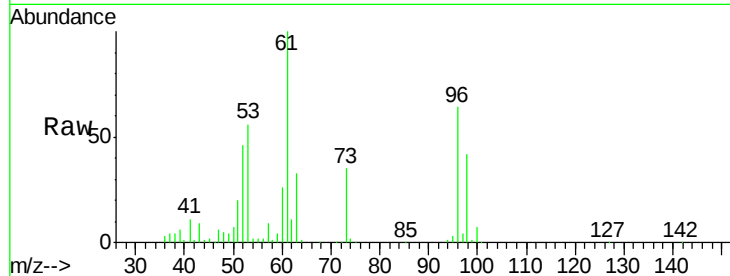




#19
trans-1,2-Dichloroethene
Concen: 19.338 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

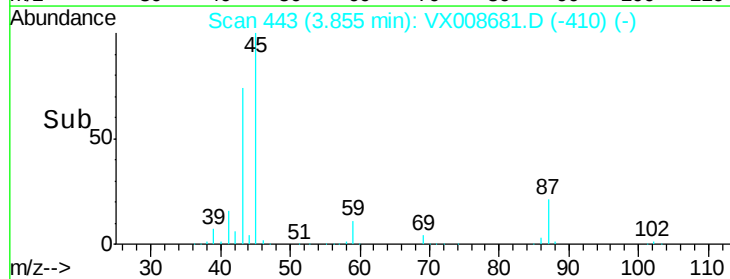
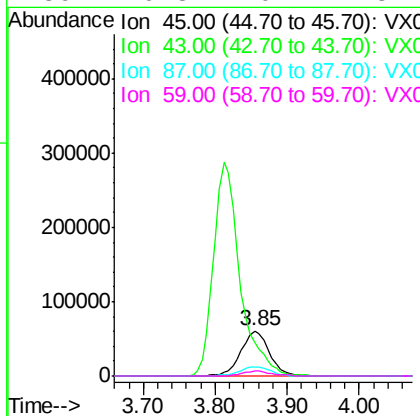
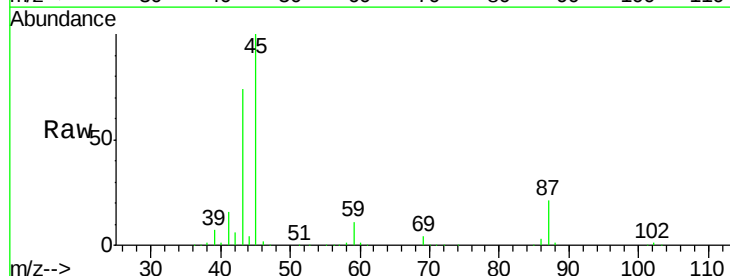
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD01

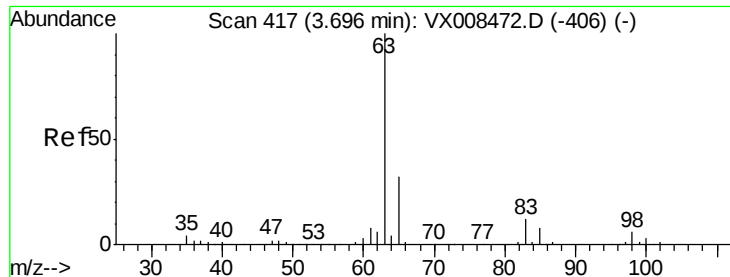
Tot Ion: 96 Resp: 38303
Ion Ratio Lower Upper
96 100
61 155.8 109.9 164.9
98 66.0 50.4 75.6



#20
Diisopropyl ether
Concen: 20.493 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion: 45 Resp: 166191
Ion Ratio Lower Upper
45 100
43 73.7 50.6 76.0
87 21.1 24.5 36.7#
59 10.8 10.2 15.2





#21

1,1-Dichloroethane

Concen: 19.985 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD01

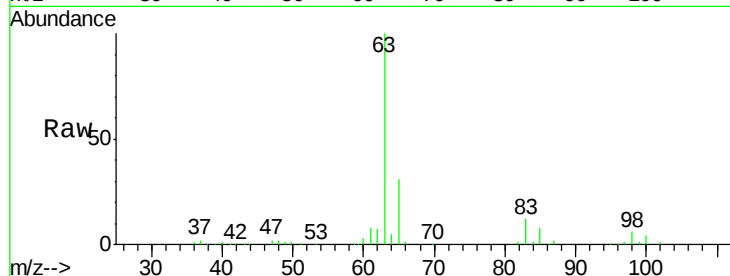
Tot Ion: 63 Resp: 81352

Ion Ratio Lower Upper

63 100

98 6.0 3.8 11.4

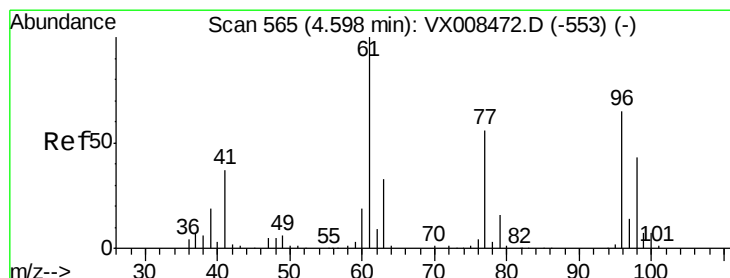
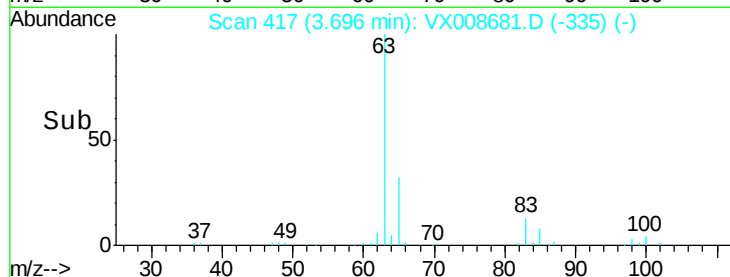
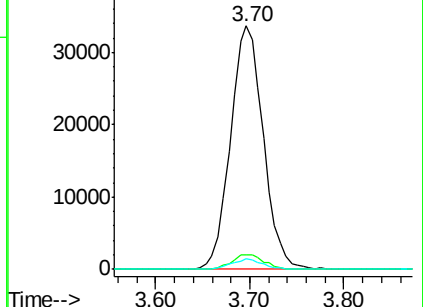
100 4.4 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 19.924 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

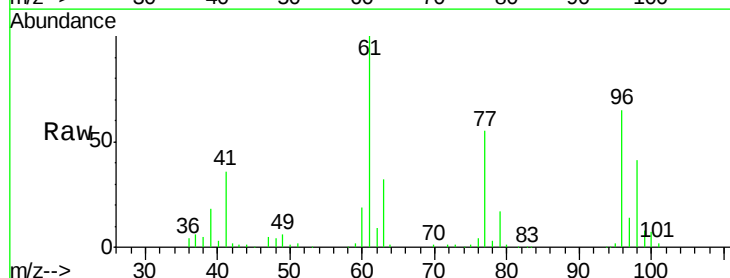
Tgt Ion: 96 Resp: 45603

Ion Ratio Lower Upper

96 100

61 161.7 103.5 155.3#

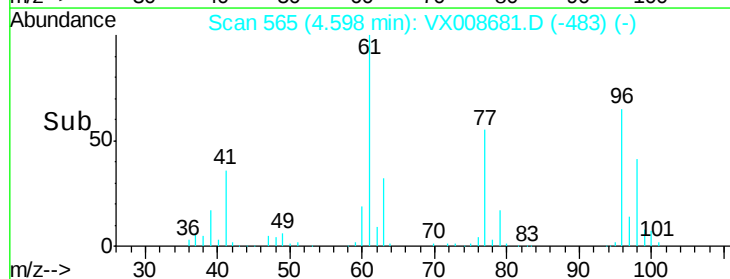
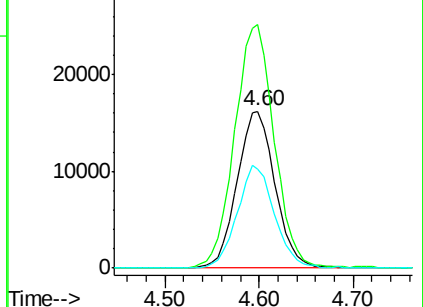
98 64.0 52.1 78.1

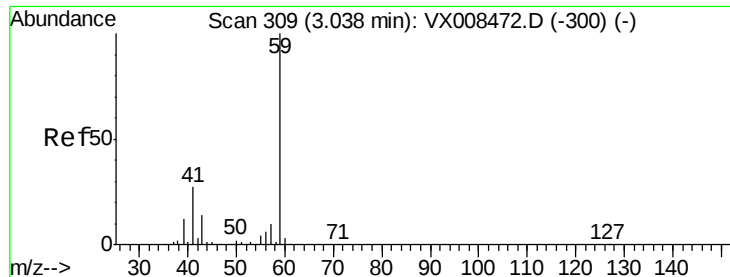


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



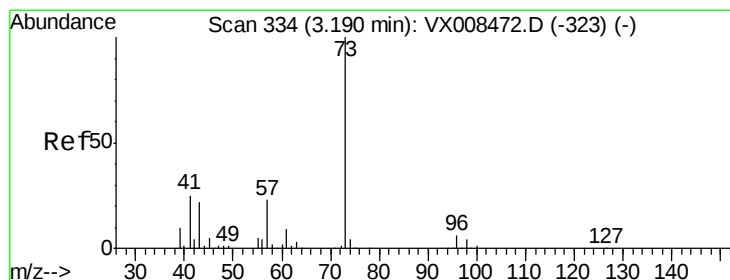
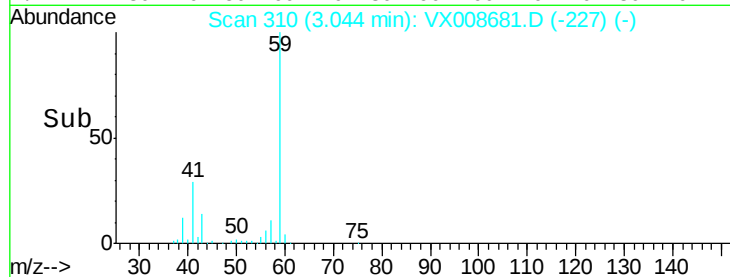
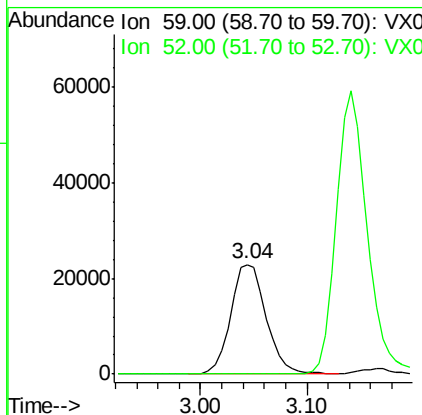
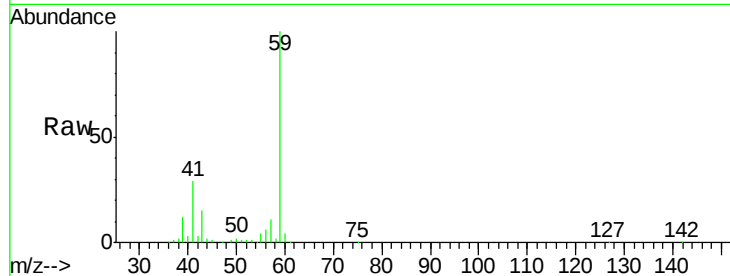


#23

tert-Butyl Alcohol
 Concen: 95.360 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

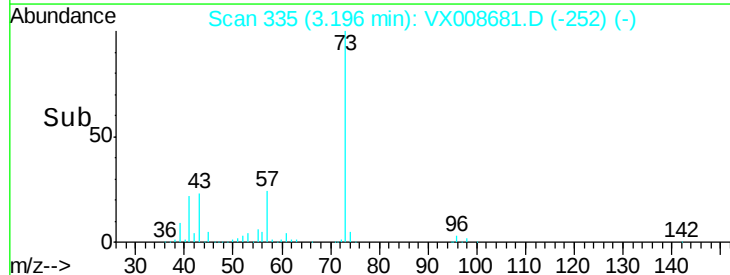
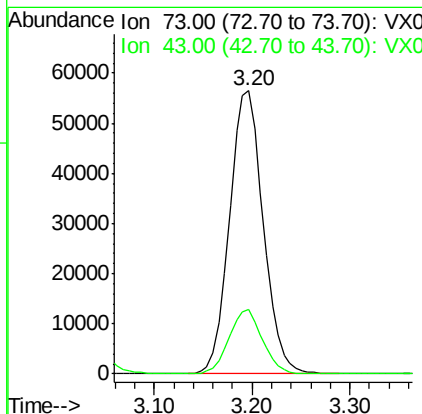
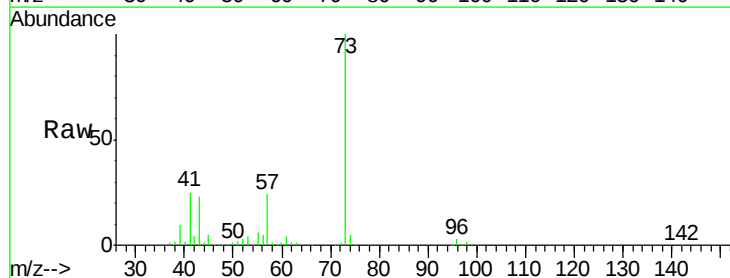
Tot Ion: 59 Resp: 53494
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#

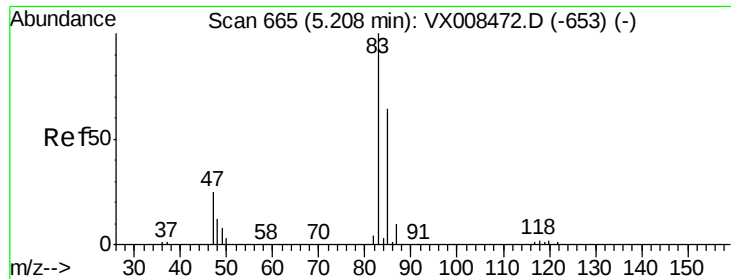


#24

Methyl tert-Butyl Ether
 Concen: 19.839 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion: 73 Resp: 135172
 Ion Ratio Lower Upper
 73 100
 43 22.4 17.1 25.7





#25

Chloroform

Concen: 19.737 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

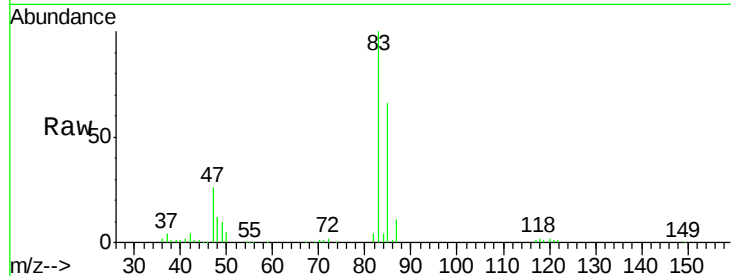
VX0405WBSD01

Tot Ion: 83 Resp: 72775

Ion Ratio Lower Upper

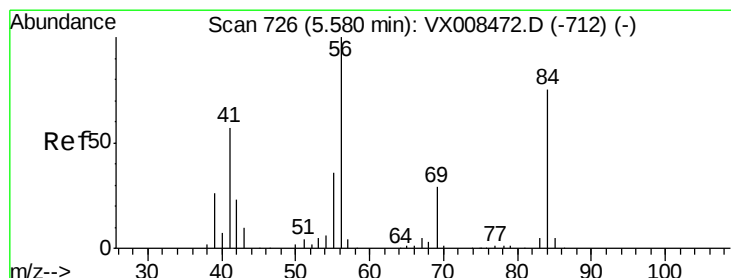
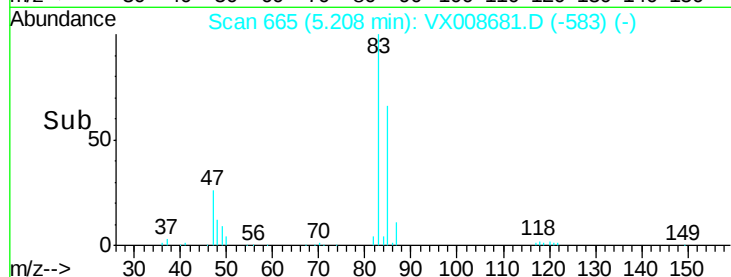
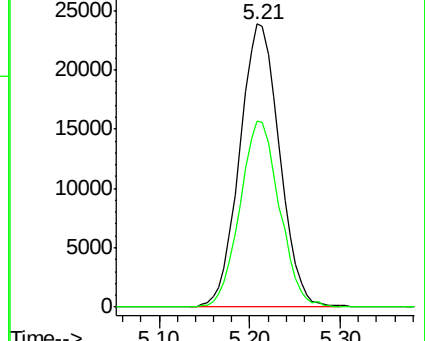
83 100

85 65.5 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.246 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

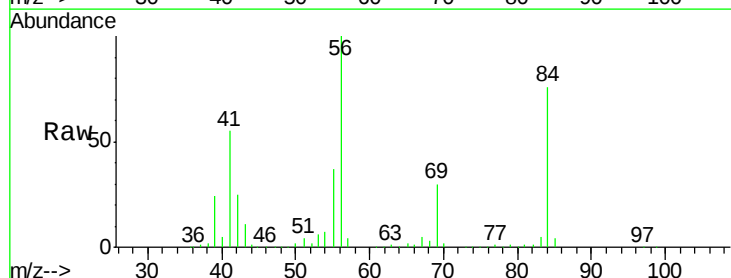
Tgt Ion: 56 Resp: 76111

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

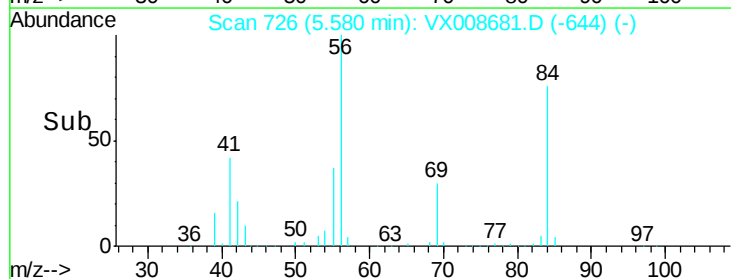
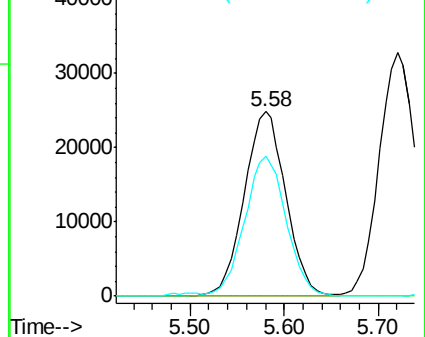
84 76.4 73.9 110.9

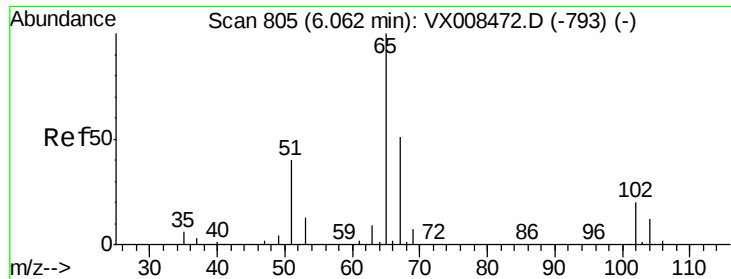


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.040 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

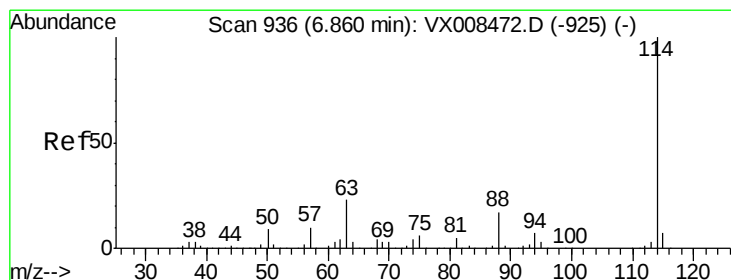
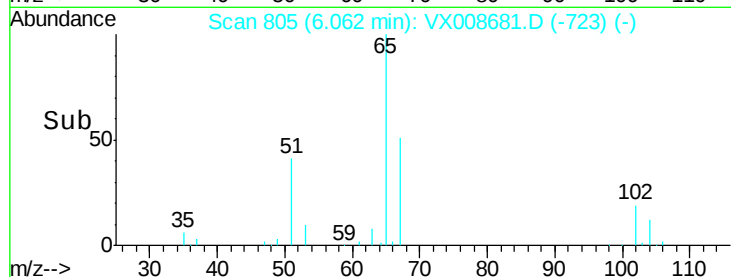
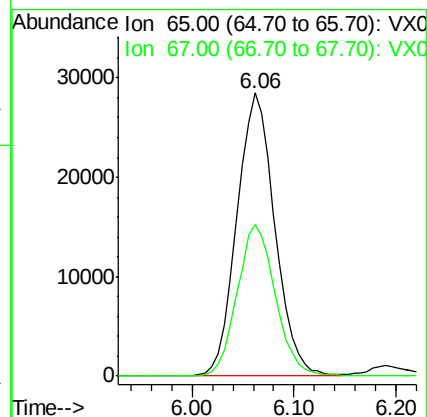
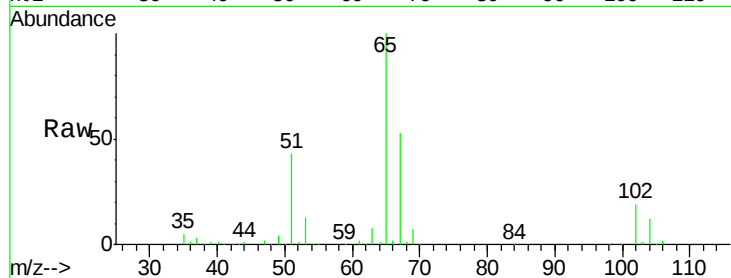
VX0405WBSD01

Tot Ion: 65 Resp: 73570

Ion Ratio Lower Upper

65 100

67 53.8 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

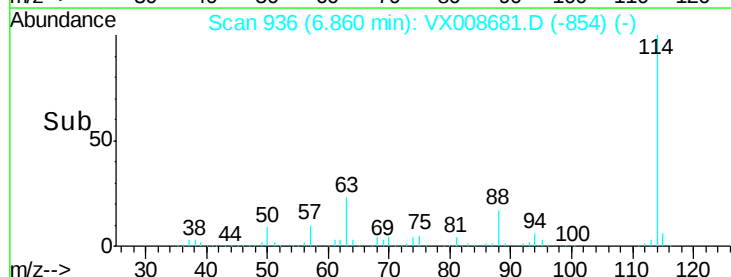
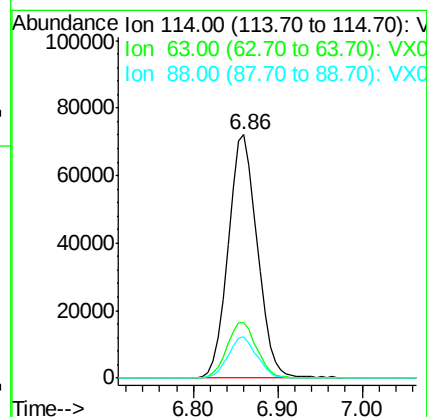
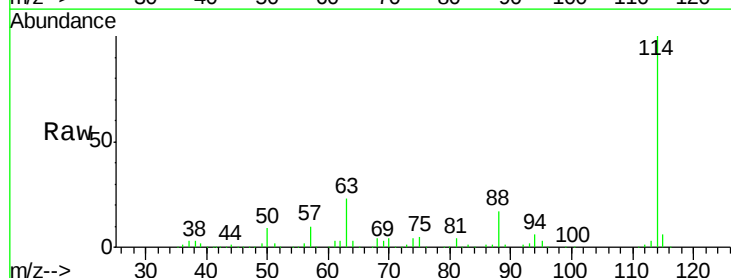
Tgt Ion: 114 Resp: 170198

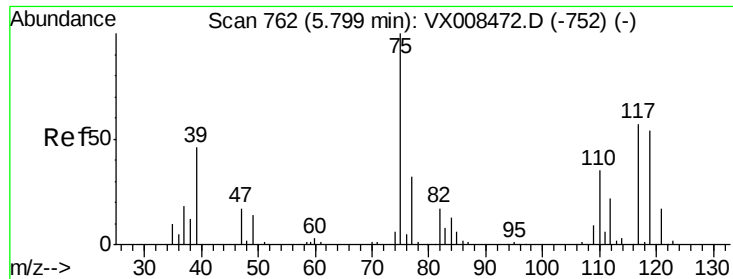
Ion Ratio Lower Upper

114 100

63 23.2 14.2 21.4#

88 16.7 11.9 17.9

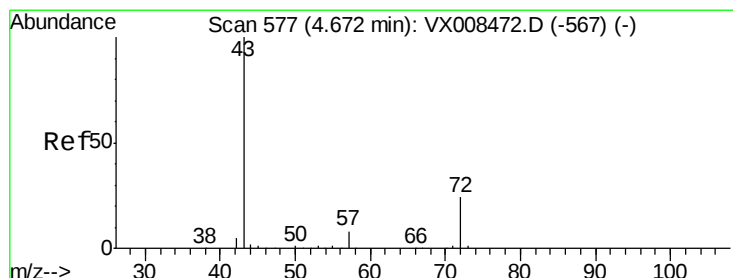
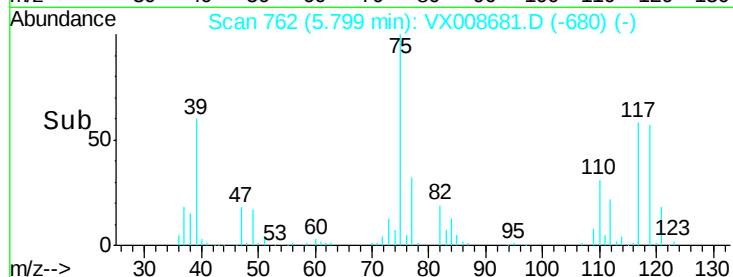
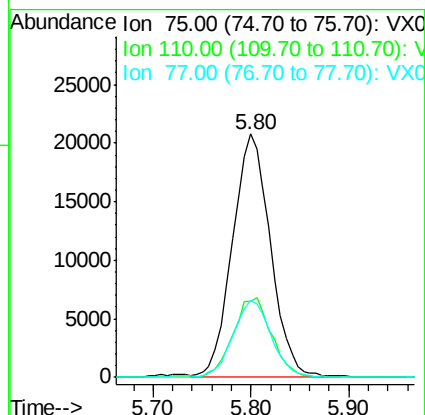
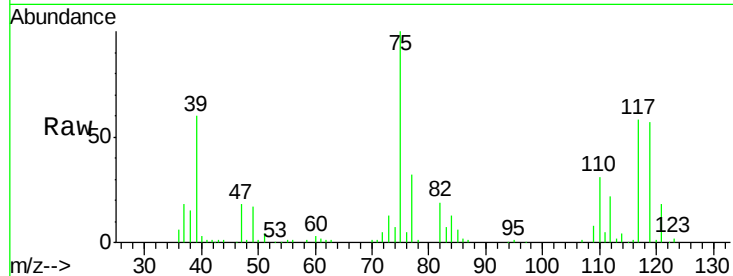




#29
 1,1-Dichloropropene
 Concen: 19.637 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

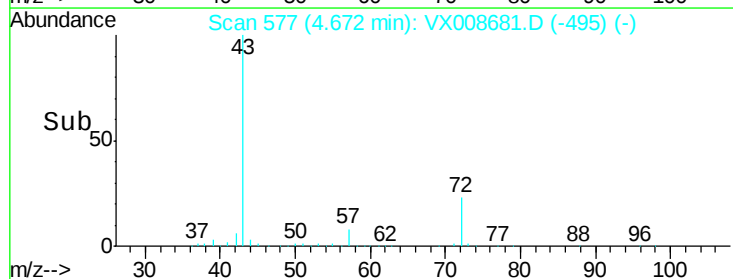
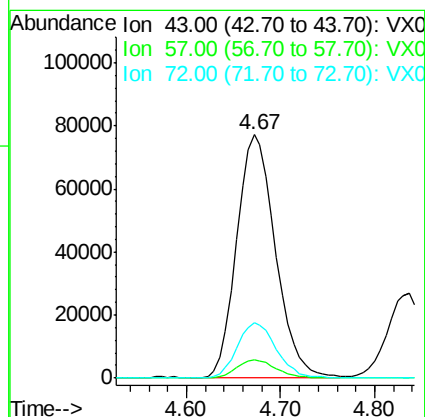
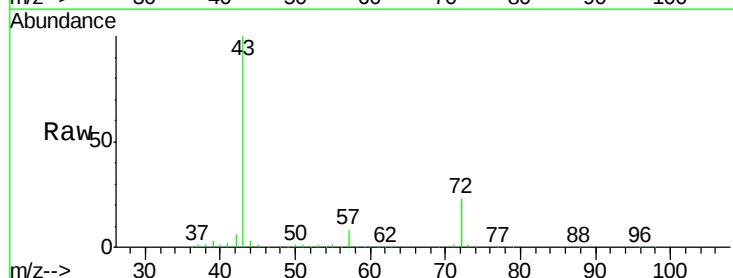
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

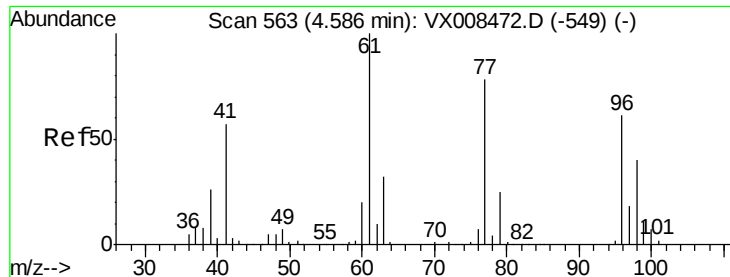
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.0	0.0	80.8
77	31.1	0.0	62.4



#30
 2-Butanone
 Concen: 104.550 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	7.0	10.6
72	23.1	21.5	32.3





#31

2,2-Dichloropropane

Concen: 19.899 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

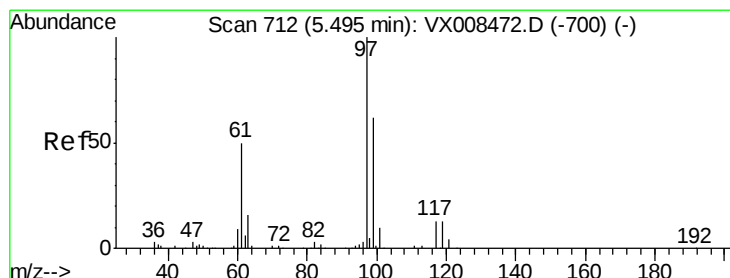
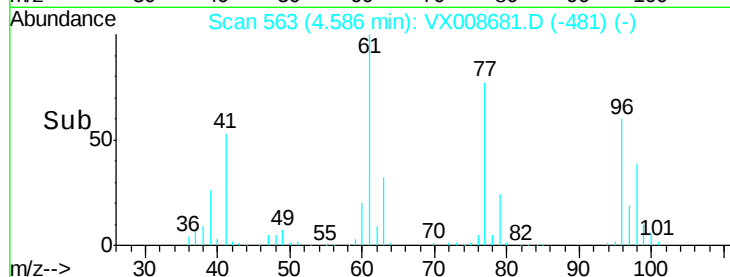
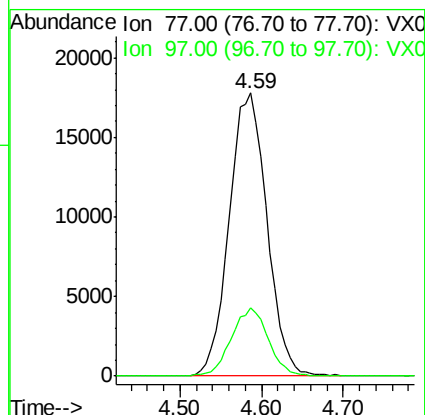
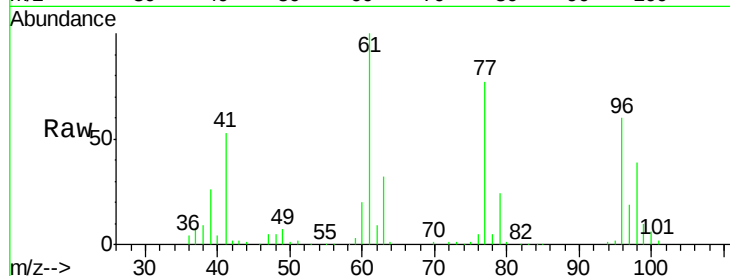
VX0405WBSD01

Tot Ion: 77 Resp: 56906

Ion Ratio Lower Upper

77 100

97 23.4 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 19.364 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

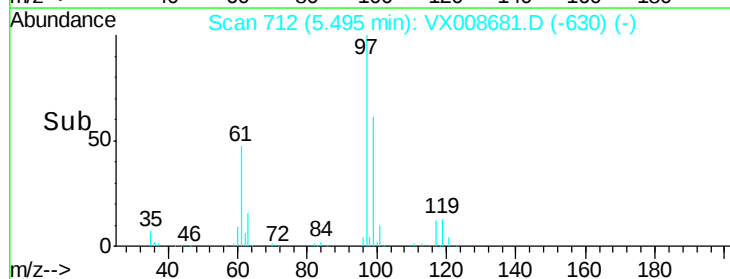
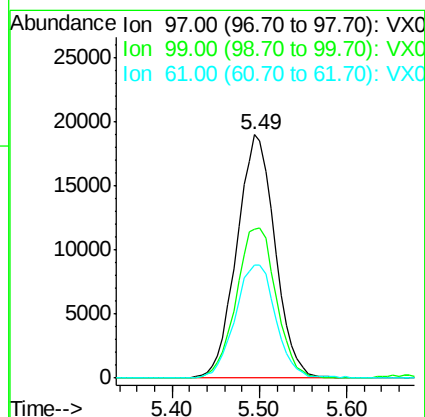
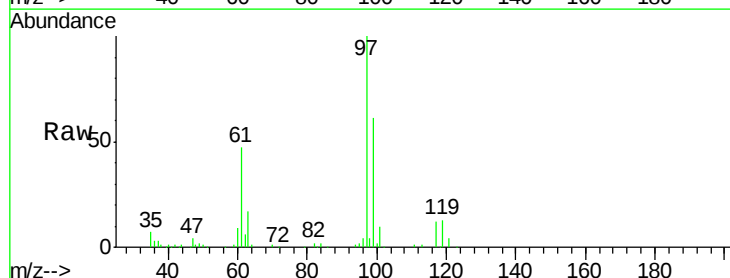
Tgt Ion: 97 Resp: 57576

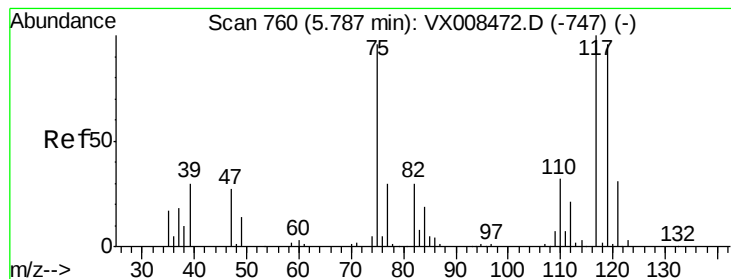
Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 49.4 32.8 49.2#





#33

Carbon Tetrachloride

Concen: 19.202 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD01

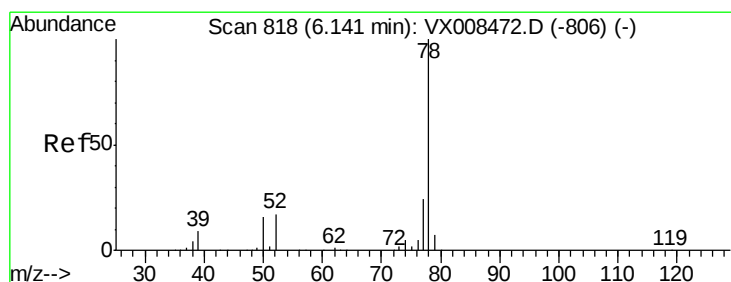
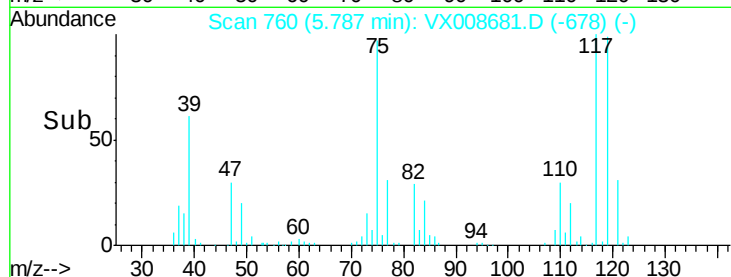
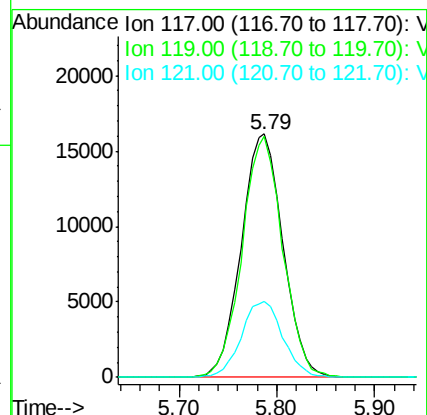
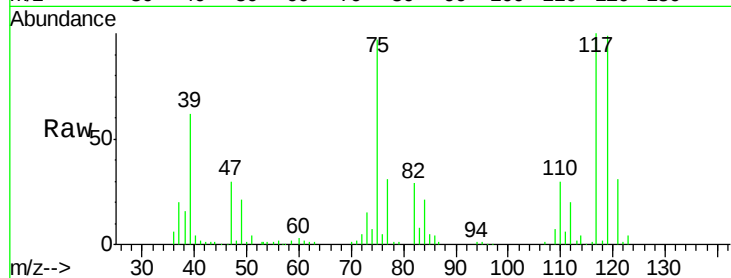
Tot Ion:117 Resp: 47769

Ion Ratio Lower Upper

117 100

119 99.1 78.1 117.1

121 31.2 27.0 40.6



#34

Benzene

Concen: 19.904 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

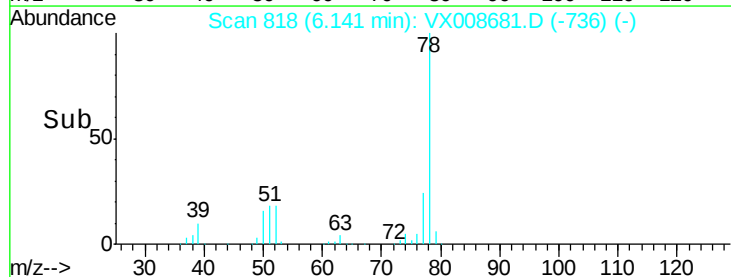
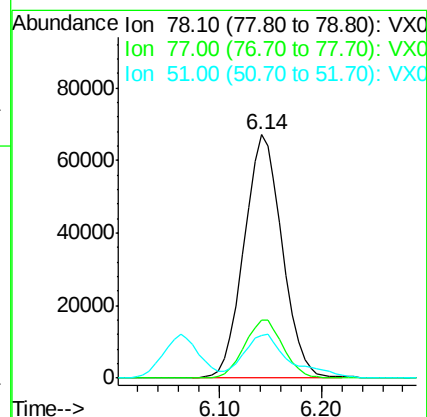
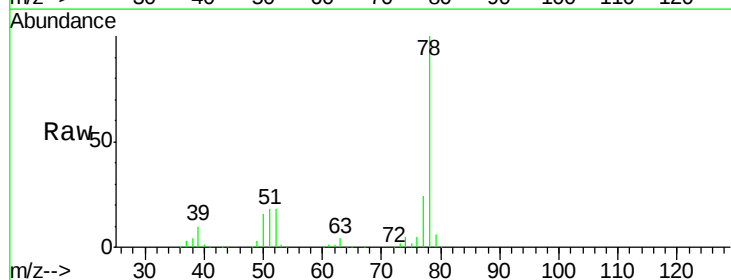
Tgt Ion: 78 Resp: 174210

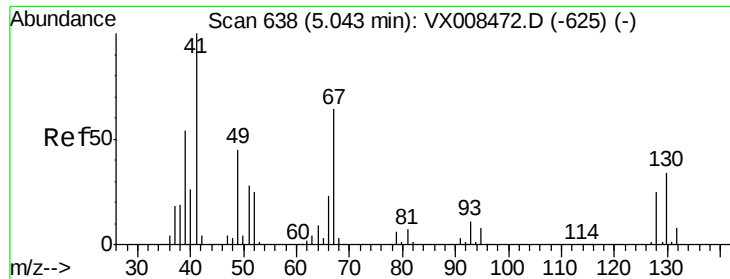
Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7

51 16.7 10.8 16.2#

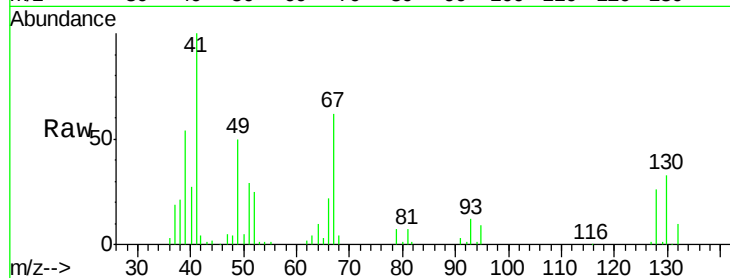




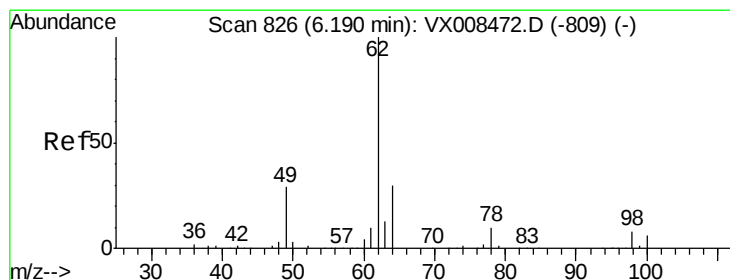
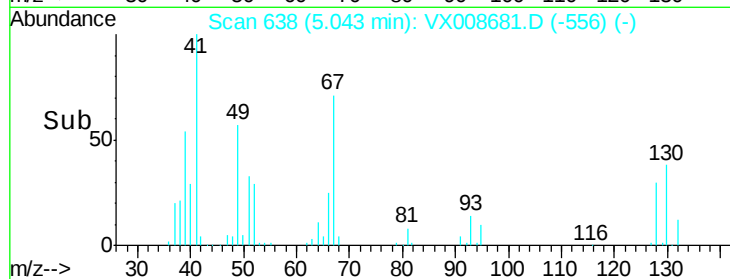
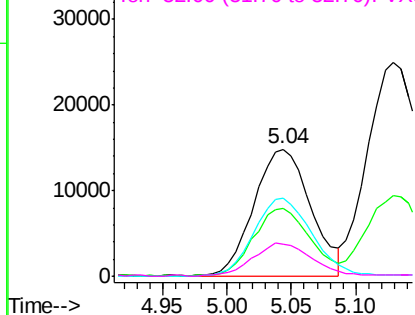
#35
Methacrylonitrile
Concen: 21.117 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD01

Tot Ion:	41	Resp:	45216
Ion	Ratio	Lower	Upper
41	100		
39	53.3	27.4	82.0
67	61.8	37.9	113.6
52	24.6	13.3	39.9

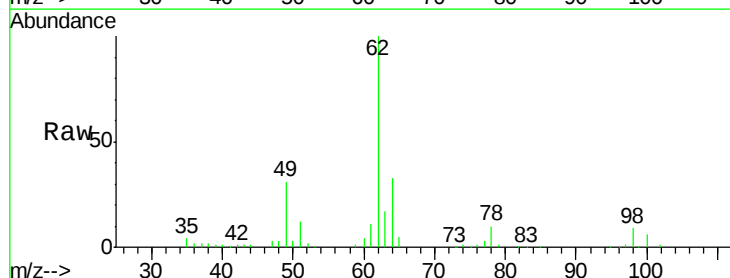


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

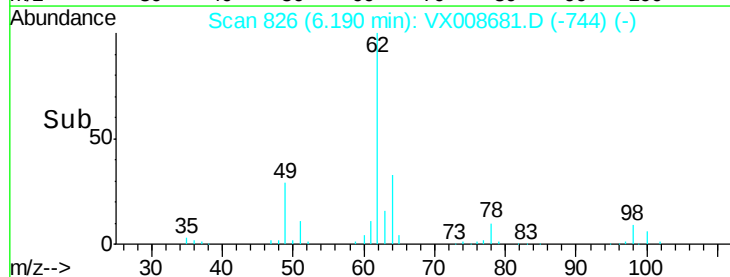
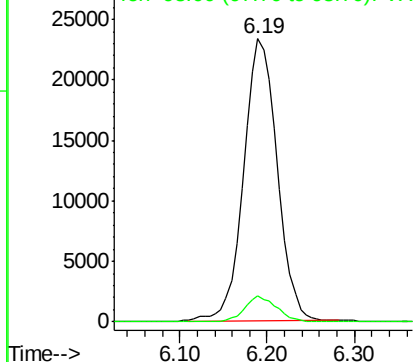


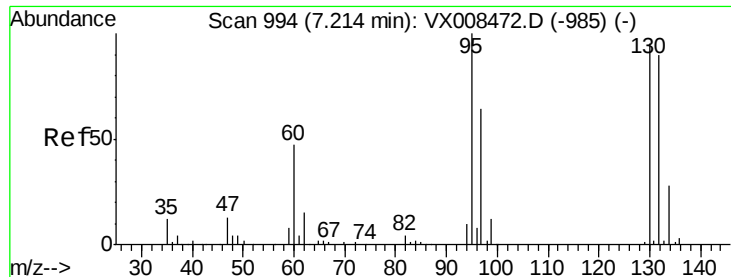
#36
1,2-Dichloroethane
Concen: 19.876 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion:	62	Resp:	62024
Ion	Ratio	Lower	Upper
62	100		
98	8.8	7.8	11.8



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

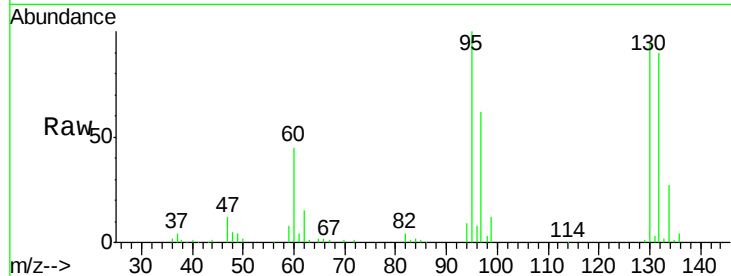




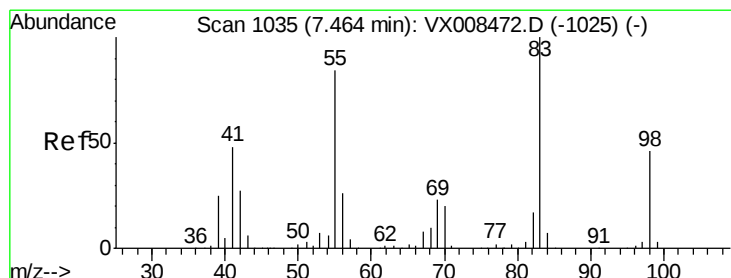
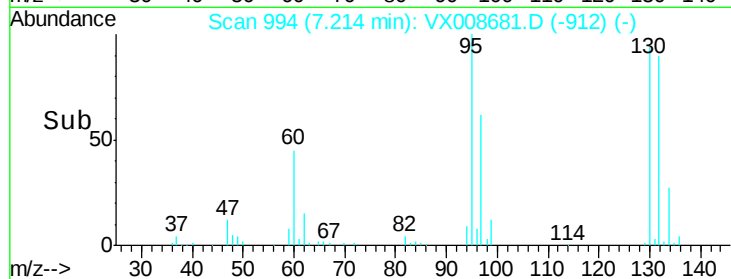
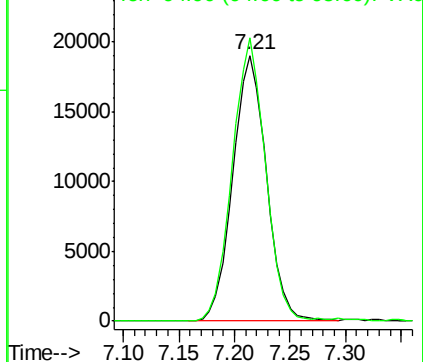
#37
 Trichloroethene
 Concen: 19.894 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

Tot Ion:130 Resp: 40044
 Ion Ratio Lower Upper
 130 100
 95 106.4 71.3 106.9

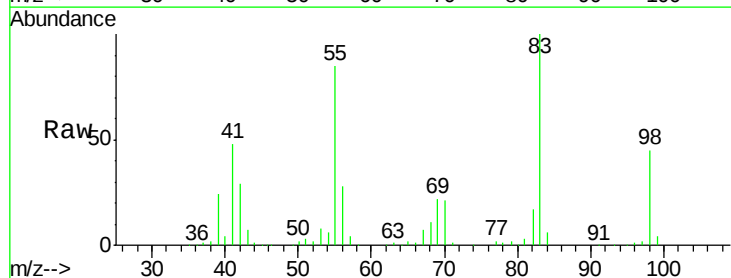


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

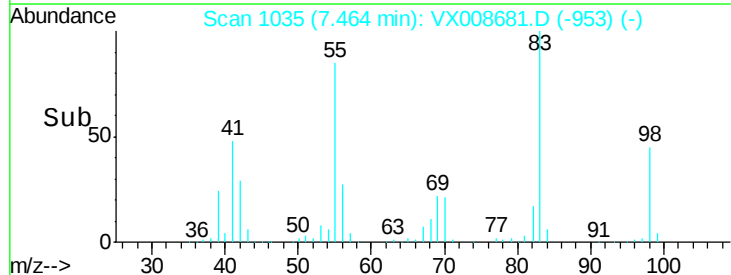
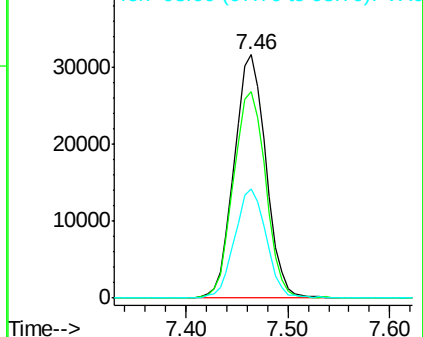


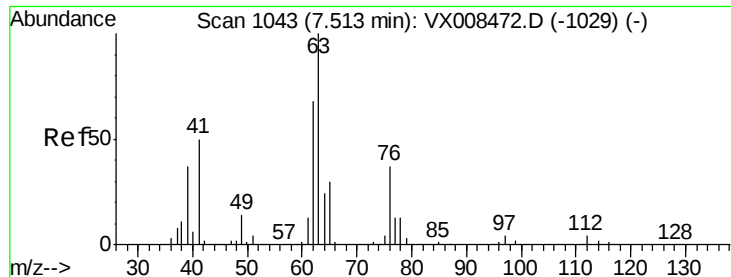
#38
 Methylcyclohexane
 Concen: 18.974 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion: 83 Resp: 68459
 Ion Ratio Lower Upper
 83 100
 55 85.9 36.0 108.0
 98 44.6 23.8 71.4



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

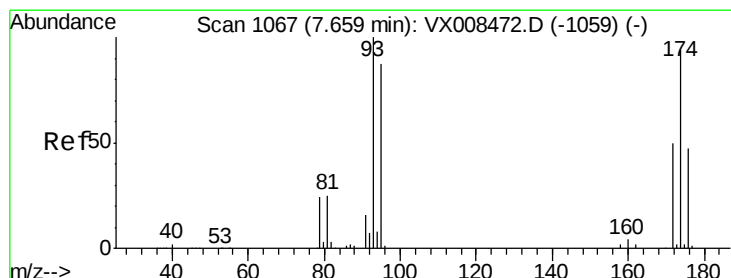
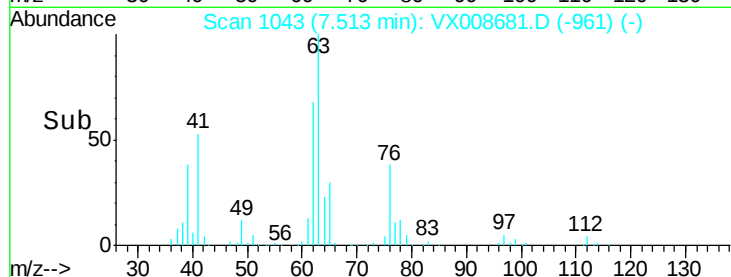
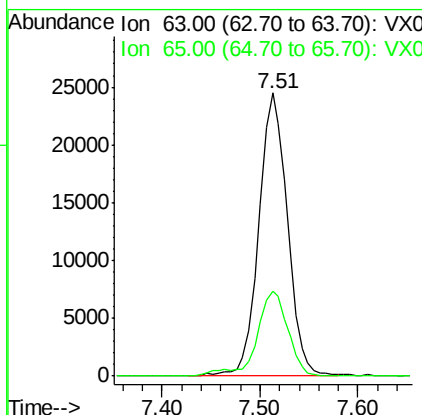
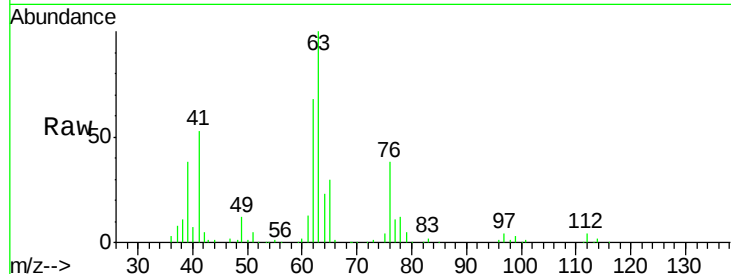




#39
 1,2-Dichloropropane
 Concen: 20.033 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

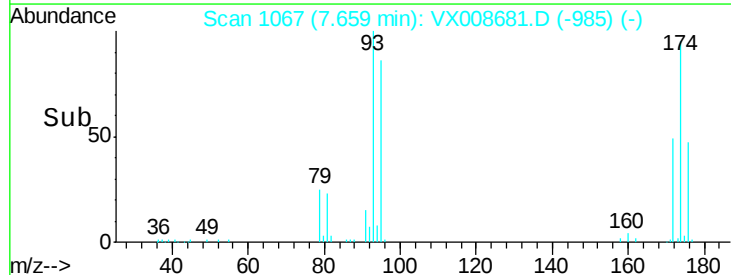
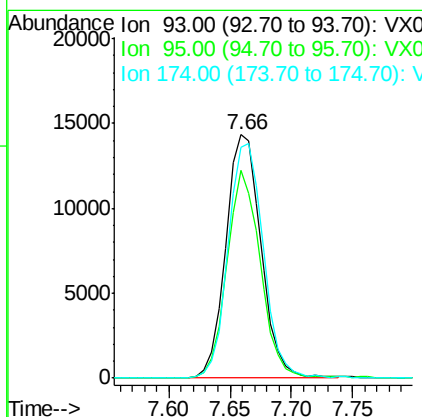
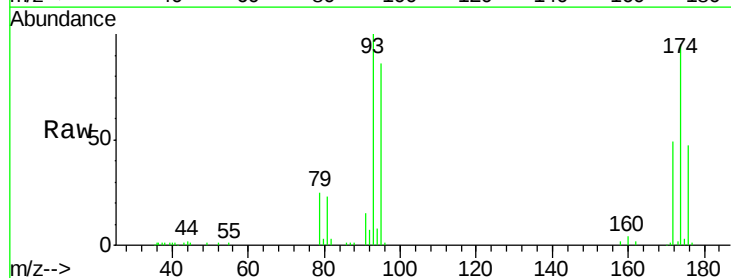
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

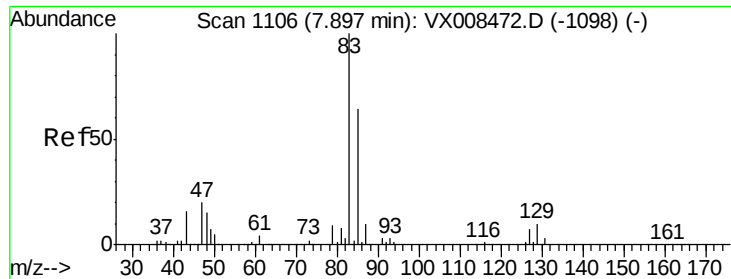
Tot Ion: 63 Resp: 49733
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 37.0



#40
 Dibromomethane
 Concen: 19.896 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion: 93 Resp: 28612
 Ion Ratio Lower Upper
 93 100
 95 80.6 0.0 158.8
 174 96.0 0.0 224.2





#41

Bromodichloromethane

Concen: 19.251 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD01

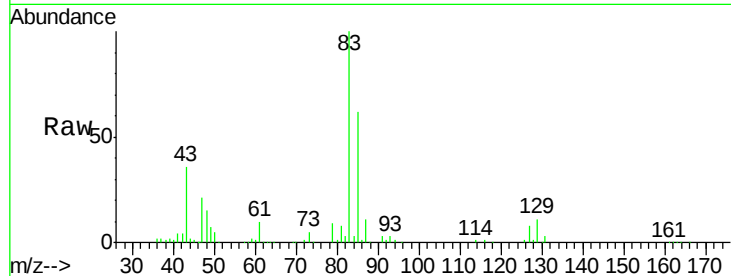
Tot Ion: 83 Resp: 54435

Ion Ratio Lower Upper

83 100

85 61.9 51.1 76.7

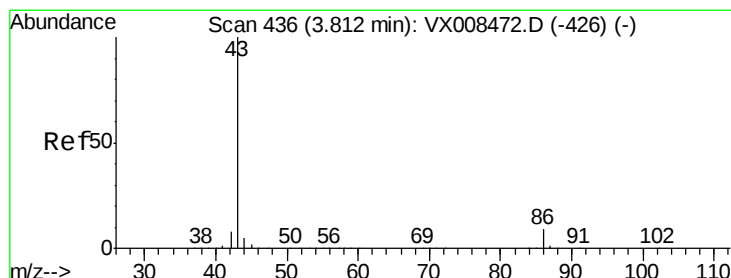
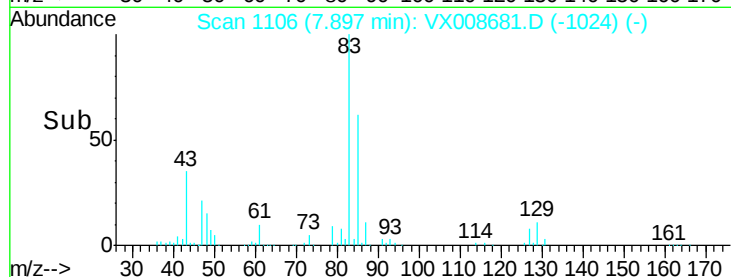
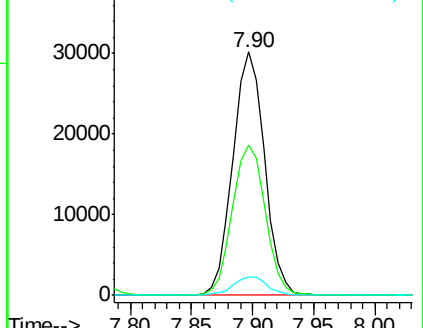
127 7.6 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 102.914 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008681.D

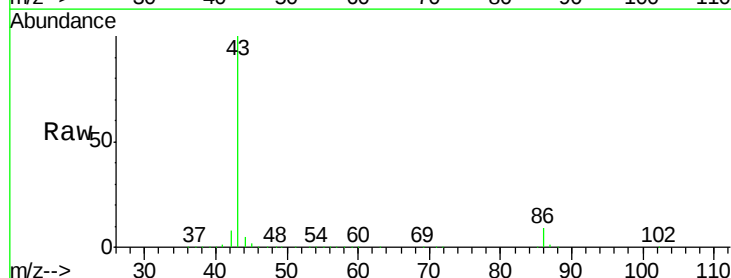
Acq: 05 Apr 2019 13:41

Tgt Ion: 43 Resp: 734563

Ion Ratio Lower Upper

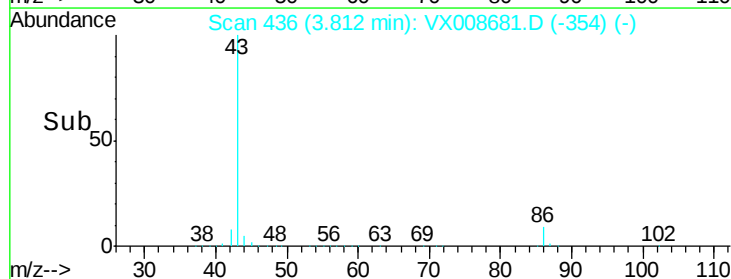
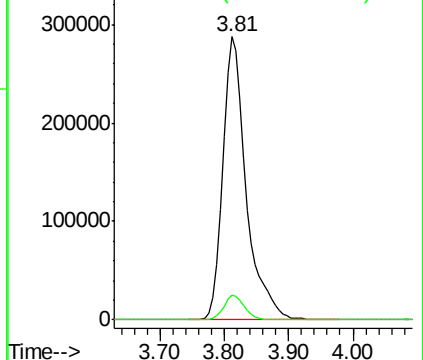
43 100

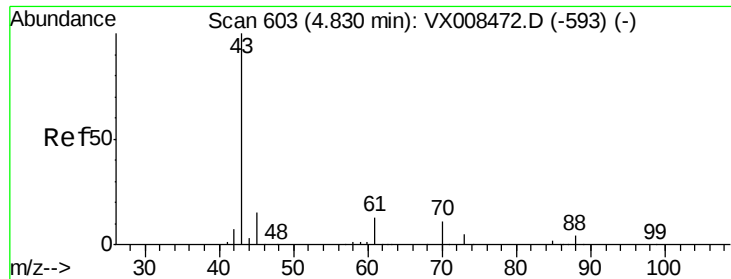
86 7.7 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 21.094 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

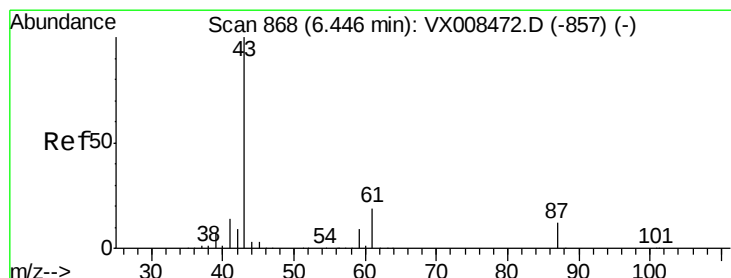
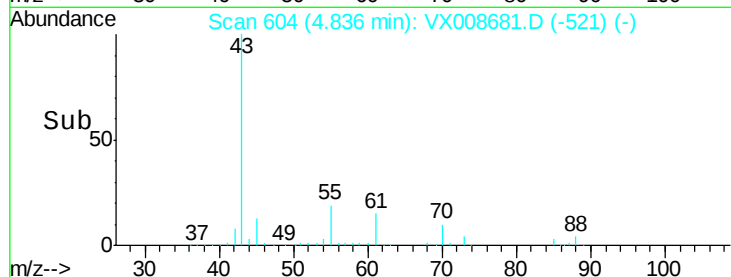
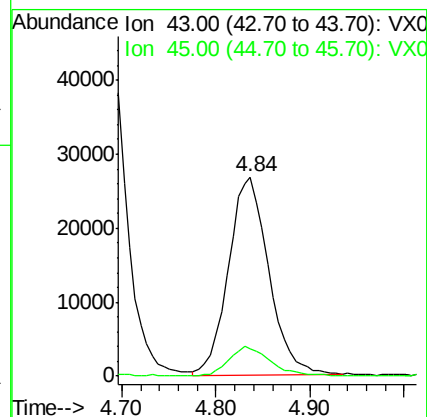
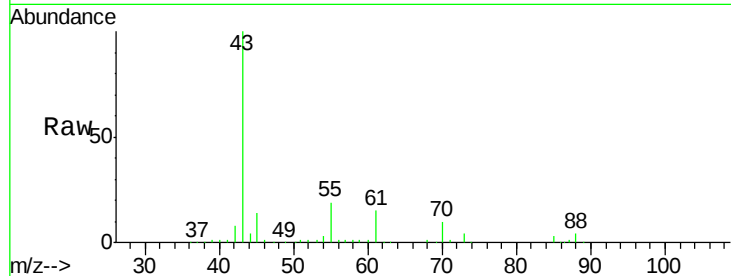
VX0405WBSD01

Tot Ion: 43 Resp: 79938

Ion Ratio Lower Upper

43 100

45 15.2 6.9 10.3#



#44

Isopropyl Acetate

Concen: 20.191 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008681.D

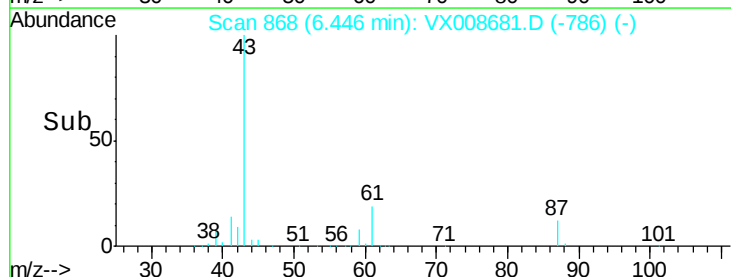
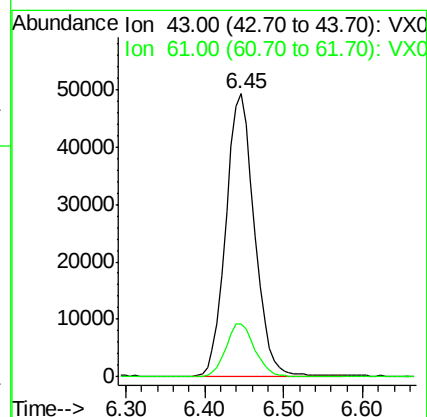
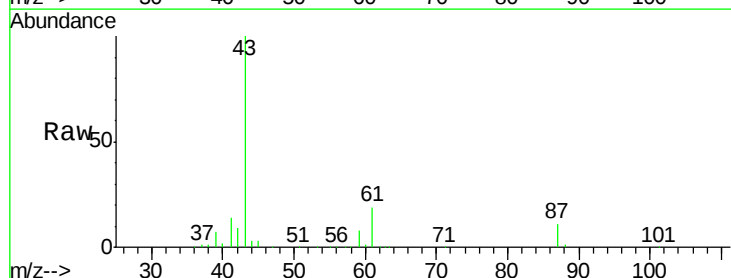
Acq: 05 Apr 2019 13:41

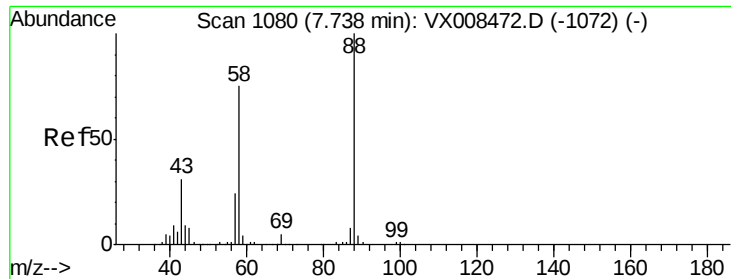
Tgt Ion: 43 Resp: 123727

Ion Ratio Lower Upper

43 100

61 19.1 16.1 24.1





#45

1,4-Dioxane

Concen: 356.875 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD01

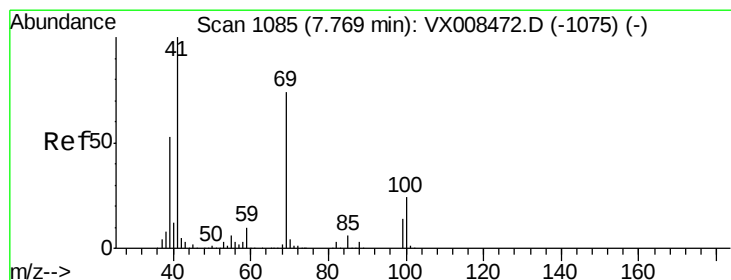
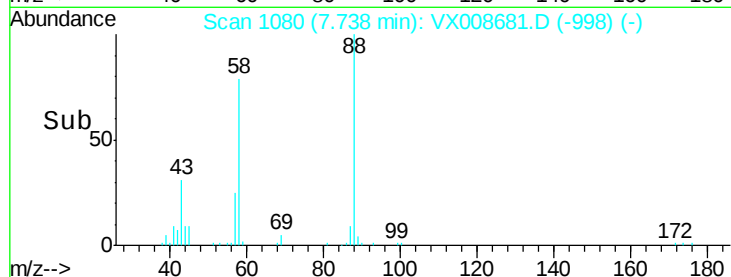
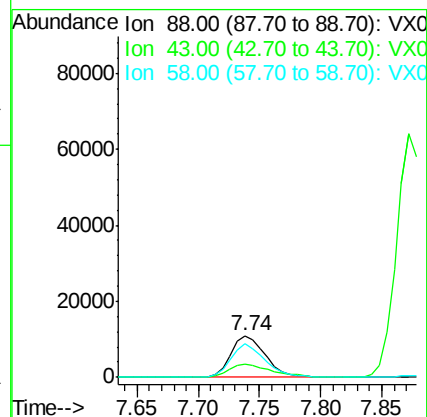
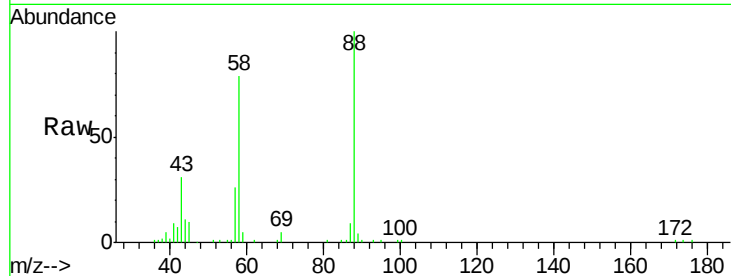
Tot Ion: 88 Resp: 21770

Ion Ratio Lower Upper

88 100

43 36.0 23.6 35.4#

58 79.0 51.6 77.4#



#46

Methyl methacrylate

Concen: 20.299 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

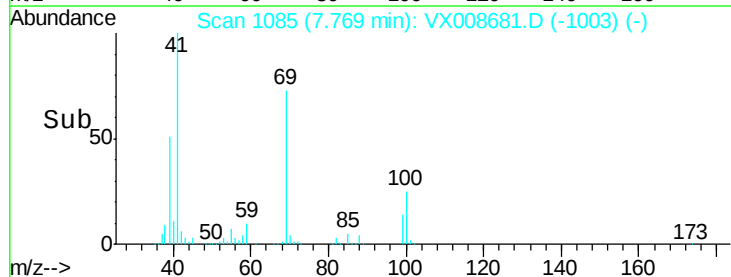
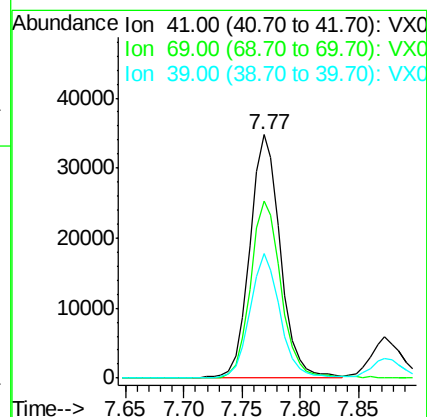
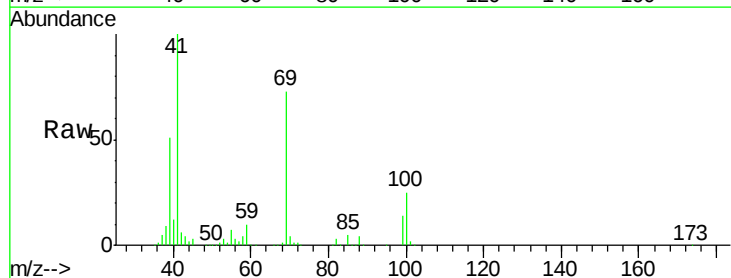
Tgt Ion: 41 Resp: 63176

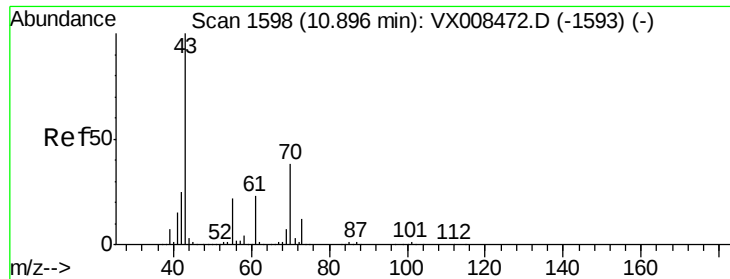
Ion Ratio Lower Upper

41 100

69 73.0 44.2 132.6

39 50.9 29.9 89.8





#47

n-amvl Acetate

Concen: 20.172 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

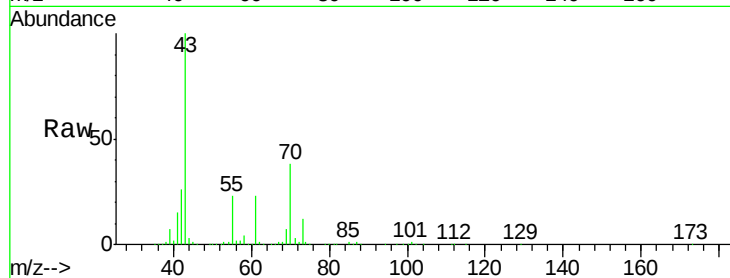
VX0405WBSD01

Tot Ion: 43 Resp: 112283

Ion Ratio Lower Upper

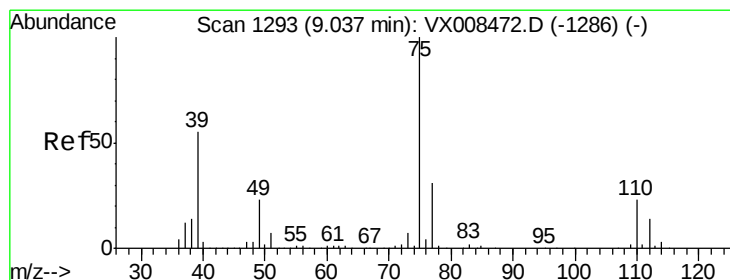
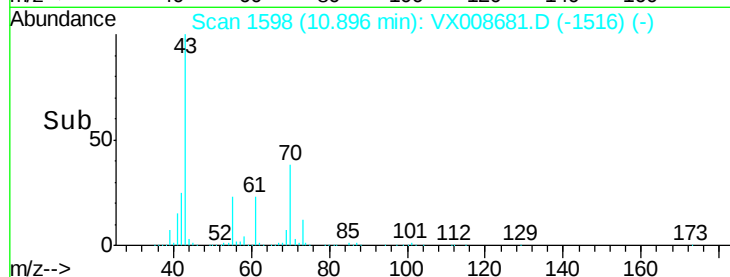
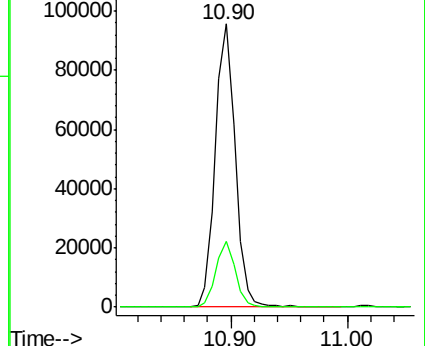
43 100

55 23.2 20.8 31.2



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: 18.872 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008681.D

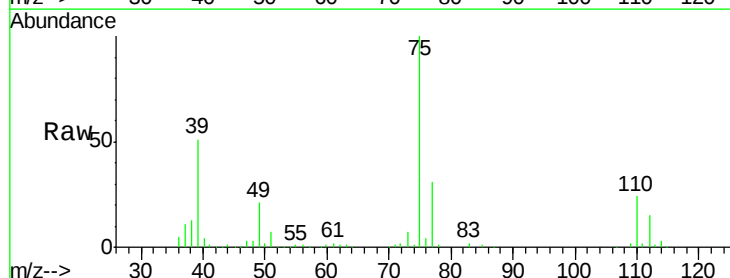
Acq: 05 Apr 2019 13:41

Tgt Ion: 75 Resp: 60276

Ion Ratio Lower Upper

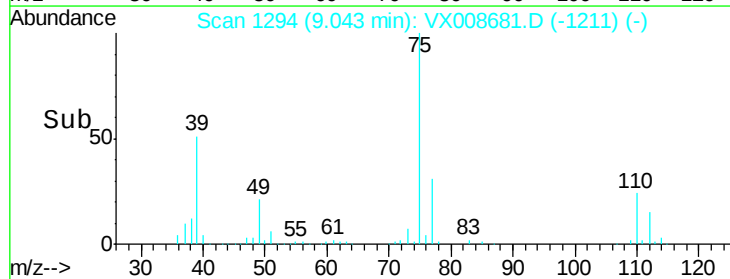
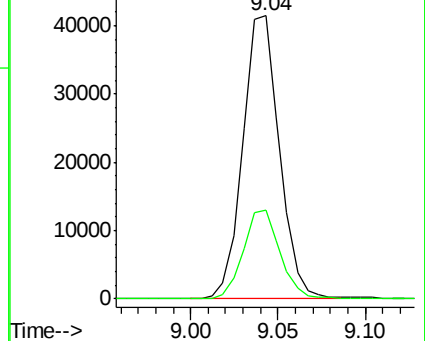
75 100

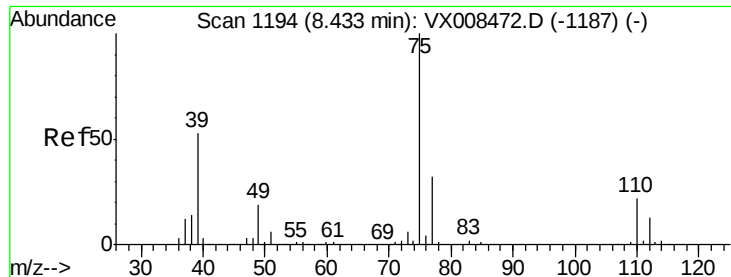
77 31.5 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



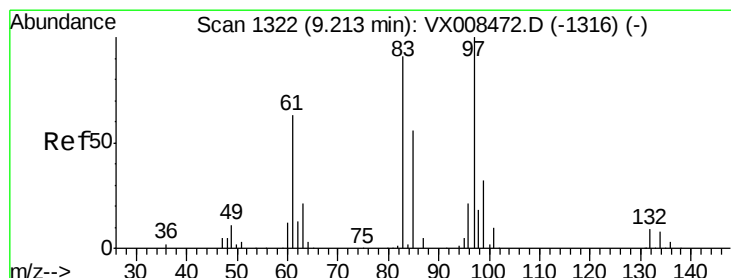
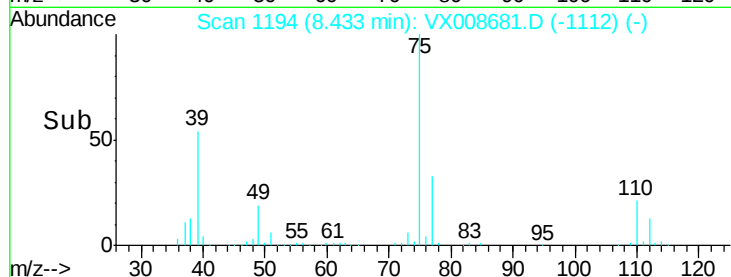
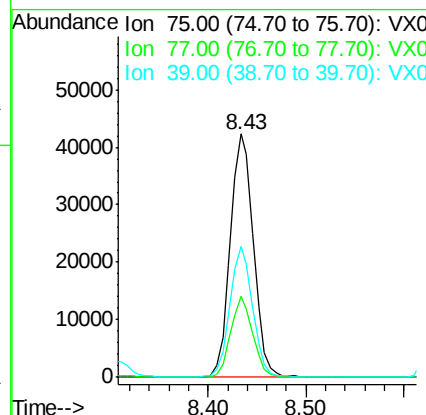
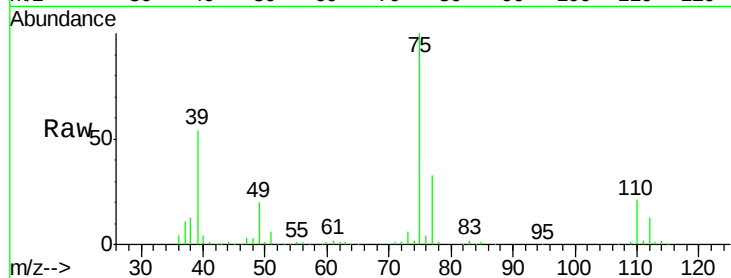


#49

cis-1,3-Dichloropropene
 Concen: 19.474 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

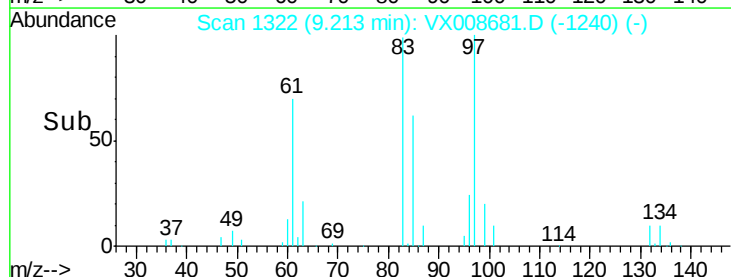
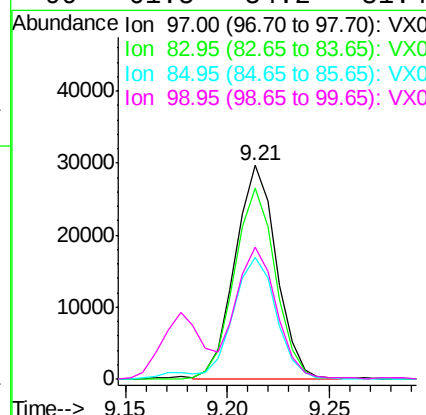
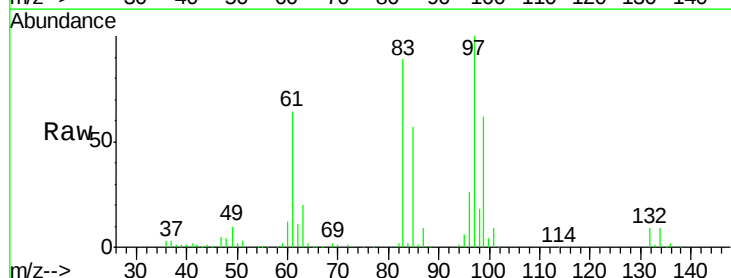
Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.0	37.4
39	53.7	38.5	57.7

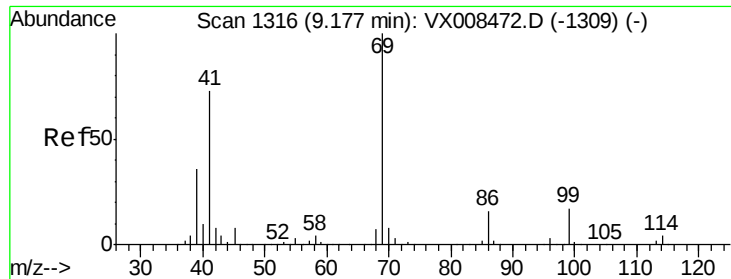


#50

1,1,2-Trichloroethane
 Concen: 19.637 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	72.0	108.0
85	56.8	45.0	67.6
99	61.5	54.2	81.4





#51

Ethyl methacrylate

Concen: 19.474 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD01

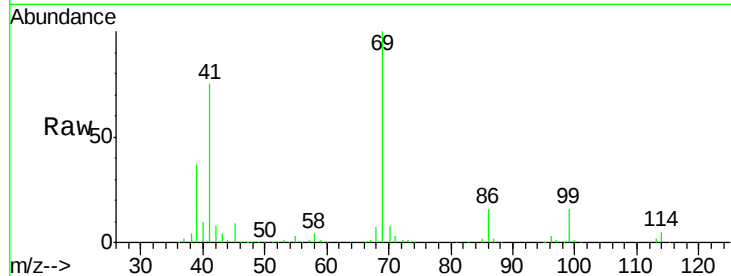
Tot Ion: 69 Resp: 77383

Ion Ratio Lower Upper

69 100

41 74.6 32.1 96.5

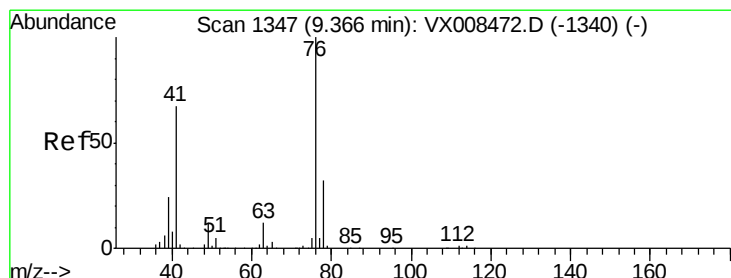
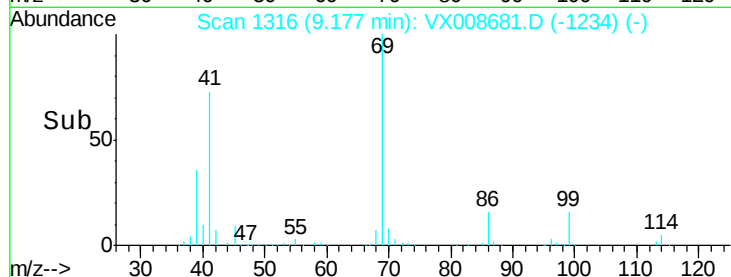
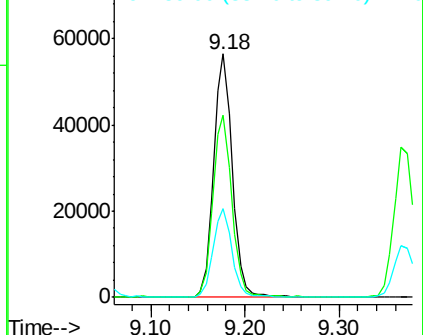
39 36.4 18.8 56.3



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 20.023 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX008681.D

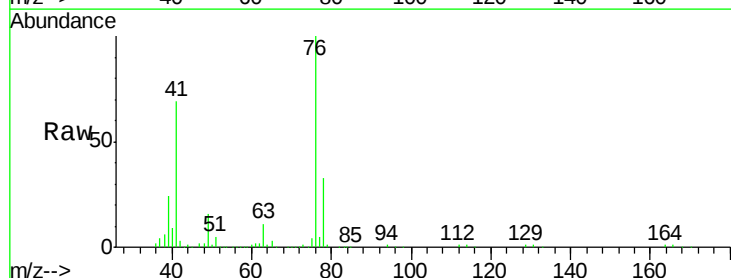
Acq: 05 Apr 2019 13:41

Tgt Ion: 76 Resp: 76068

Ion Ratio Lower Upper

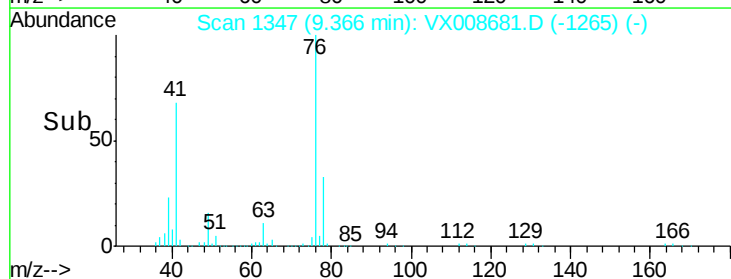
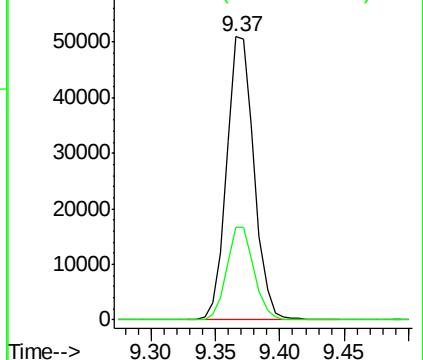
76 100

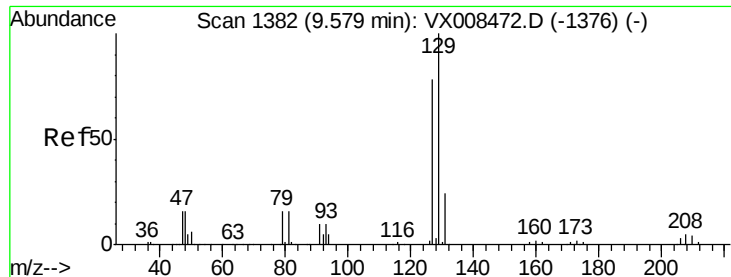
78 32.6 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 19.085 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

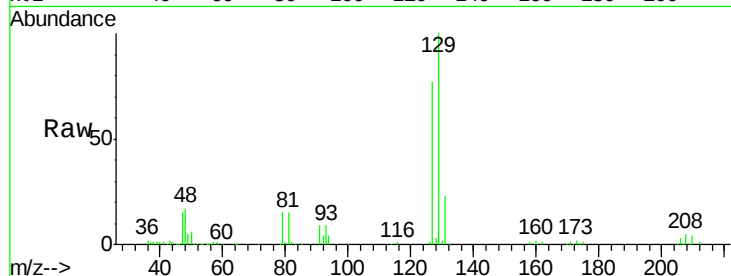
VX0405WBSD01

Tot Ion:129 Resp: 40103

Ion Ratio Lower Upper

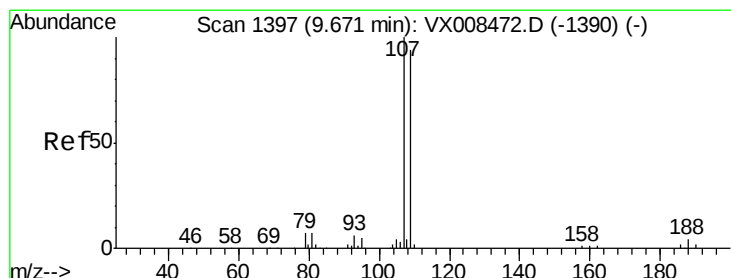
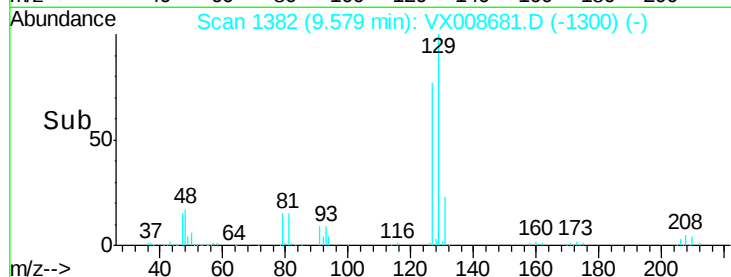
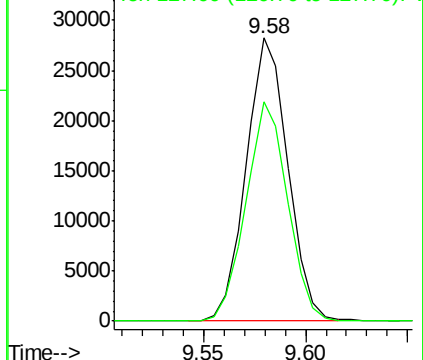
129 100

127 77.5 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.500 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008681.D

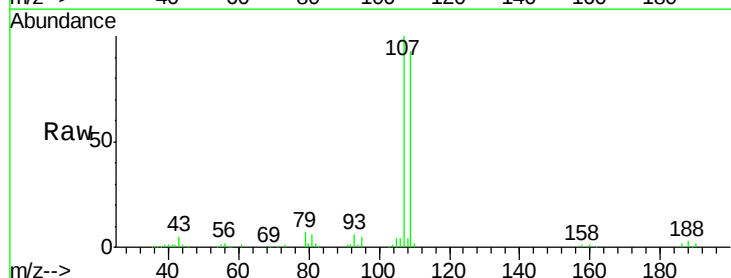
Acq: 05 Apr 2019 13:41

Tgt Ion:107 Resp: 42924

Ion Ratio Lower Upper

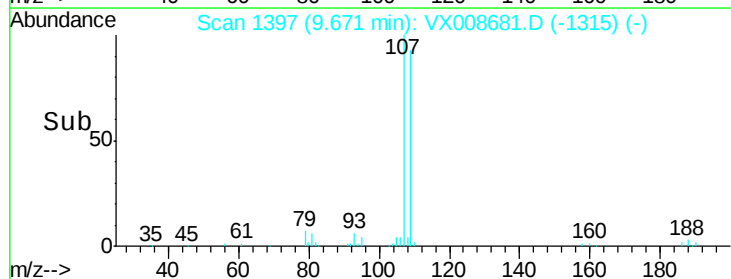
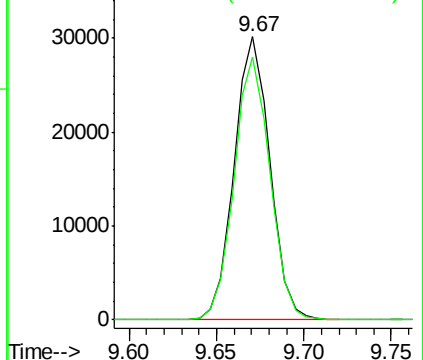
107 100

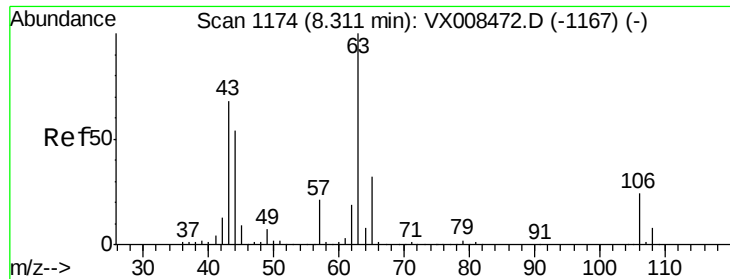
109 93.1 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

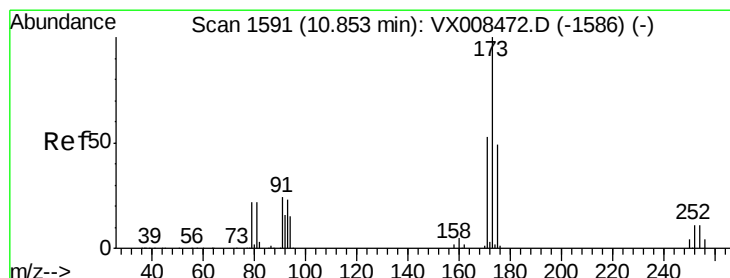
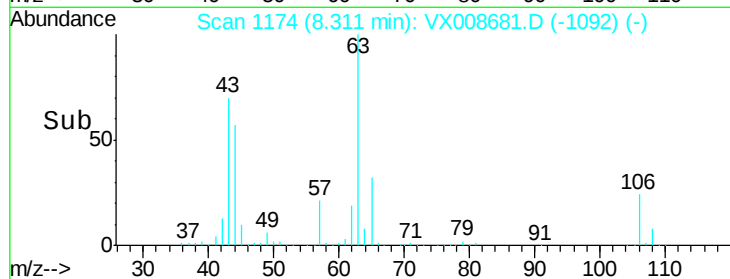
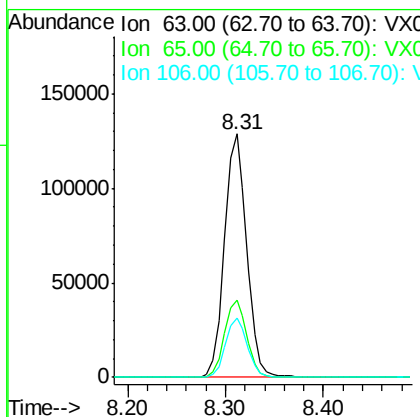
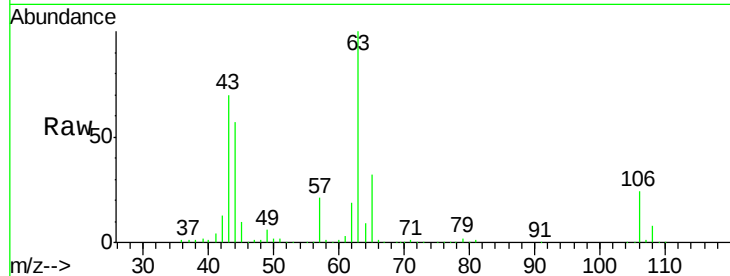




#55
2-Chloroethyl vinyl ether
Concen: 100.810 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

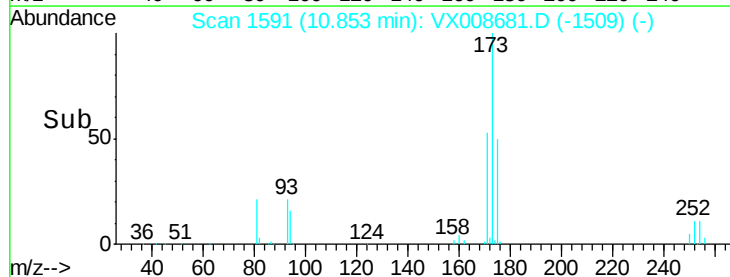
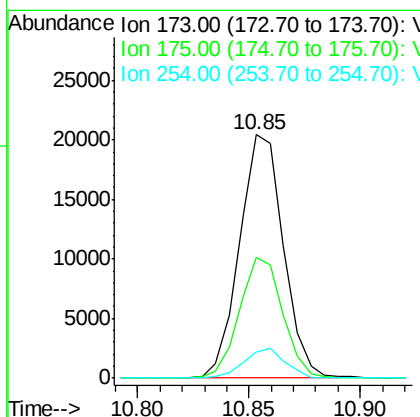
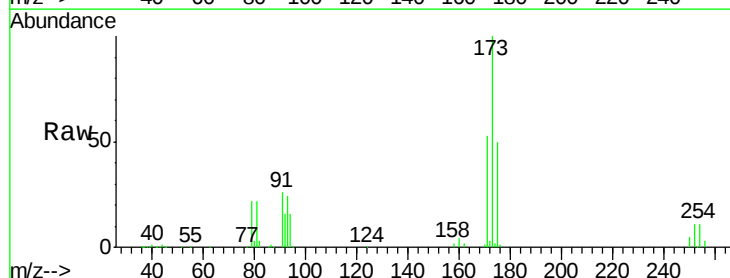
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD01

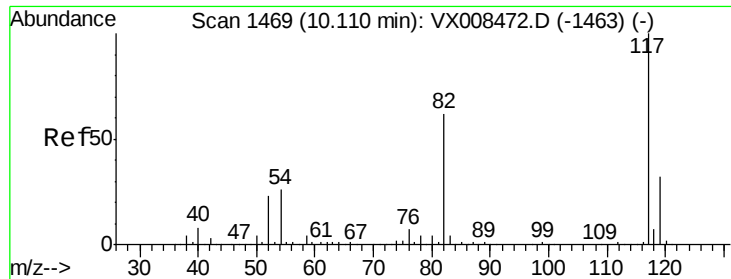
Tot Ion: 63 Resp: 202092
Ion Ratio Lower Upper
63 100
65 32.0 25.7 38.5
106 24.1 23.7 35.5



#56
Bromoform
Concen: 18.371 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion:173 Resp: 28134
Ion Ratio Lower Upper
173 100
175 48.9 38.5 57.7
254 11.2 7.4 11.2#

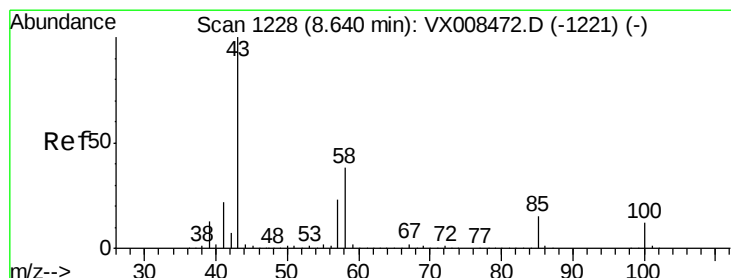
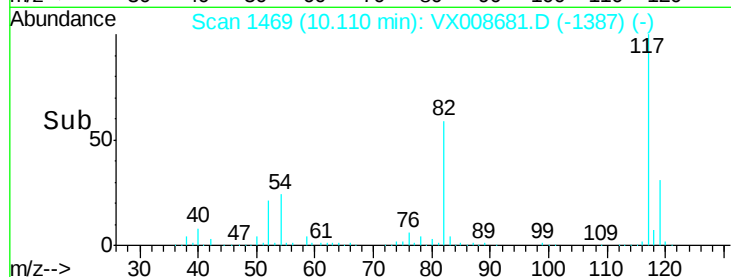
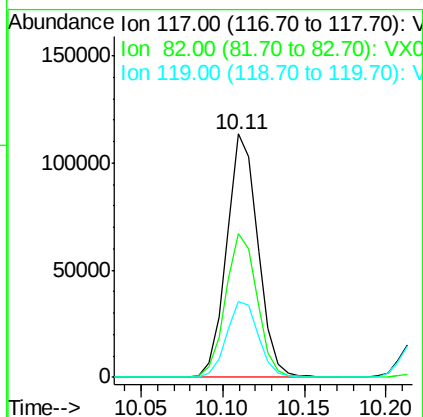
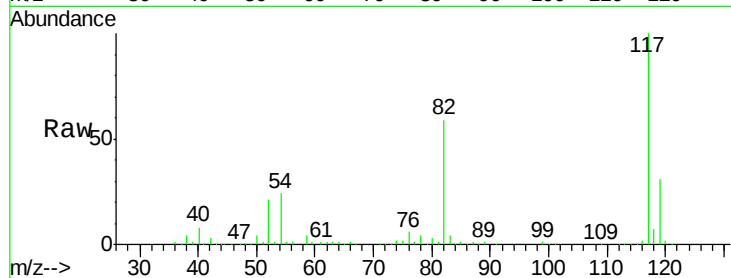




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

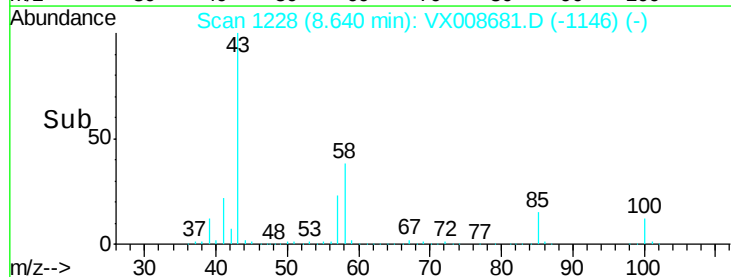
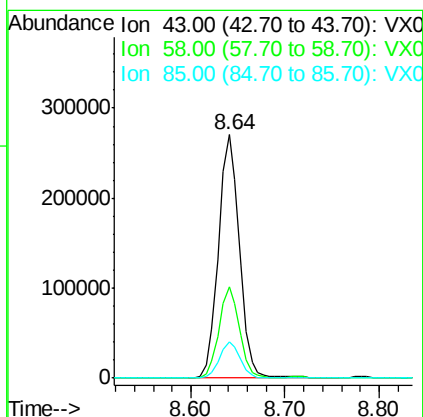
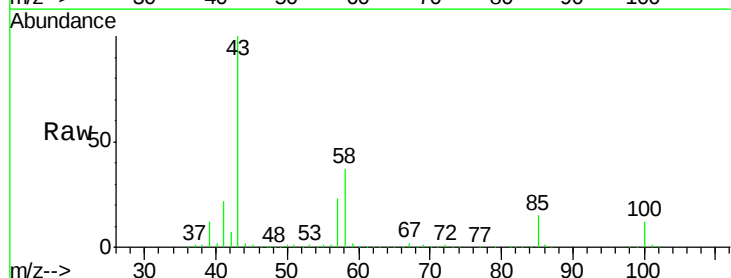
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD01

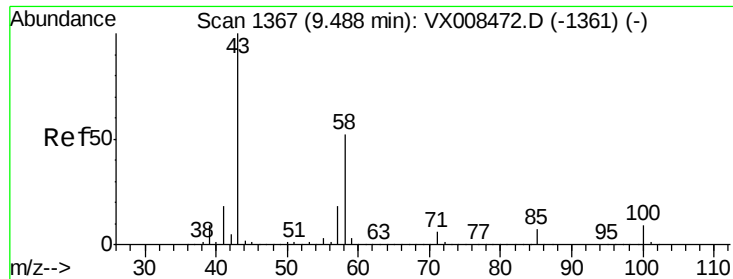
Tot Ion:117 Resp: 150826
Ion Ratio Lower Upper
117 100
82 60.1 40.4 60.6
119 31.9 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 105.133 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion: 43 Resp: 418331
Ion Ratio Lower Upper
43 100
58 36.6 31.4 47.0
85 14.7 15.0 22.6#

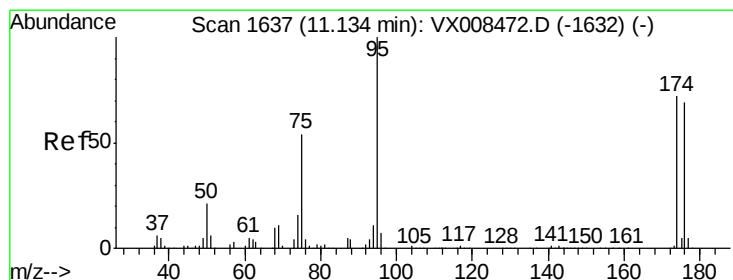
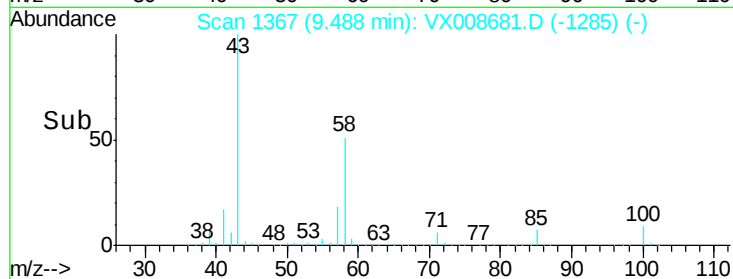
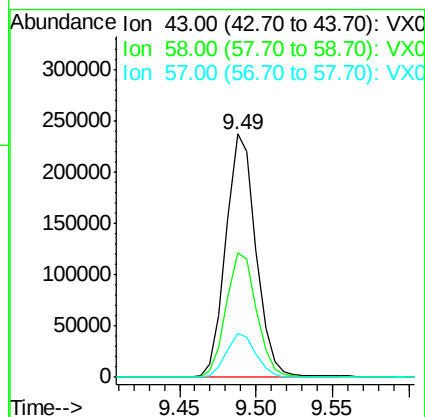
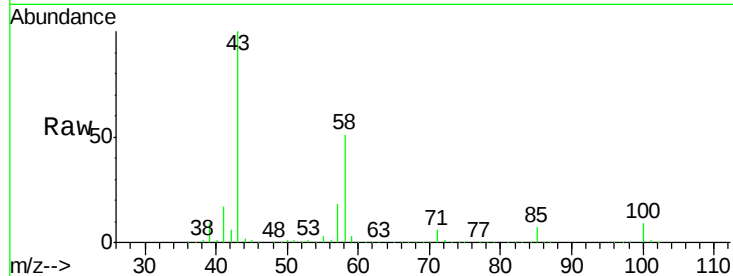




#59
2-Hexanone
Concen: 103.399 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

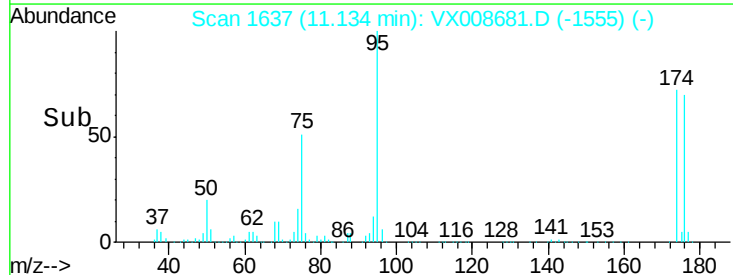
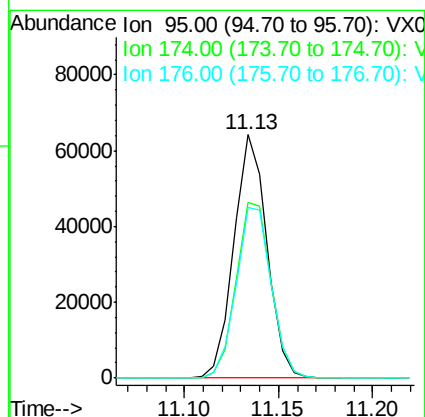
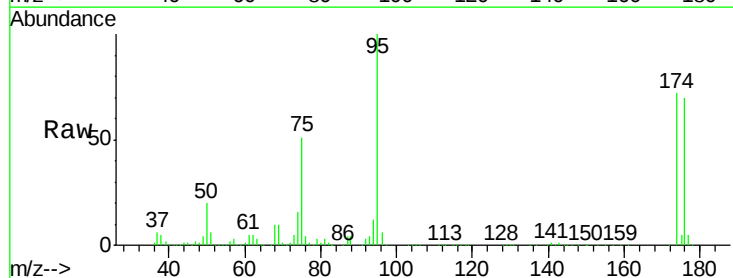
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD01

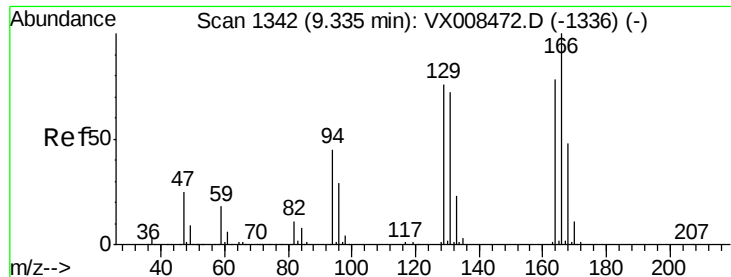
Tot Ion: 43 Resp: 325049
Ion Ratio Lower Upper
43 100
58 52.0 43.9 65.9
57 17.8 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 29.679 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion: 95 Resp: 77992
Ion Ratio Lower Upper
95 100
174 76.6 74.9 112.3
176 75.1 70.7 106.1





#61

Tetrachloroethene

Concen: 21.654 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD01

Tot Ion:164 Resp: 35724

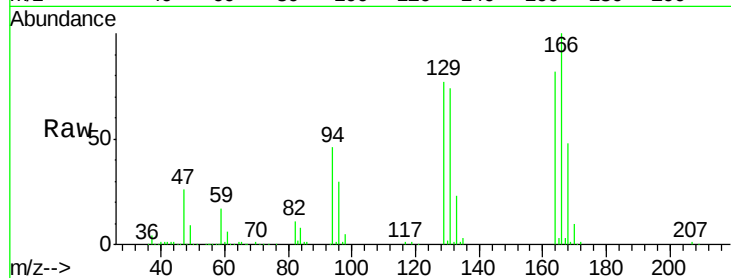
Ion Ratio Lower Upper

164 100

166 122.4 103.9 155.9

129 93.9 74.7 112.1

131 90.2 71.7 107.5

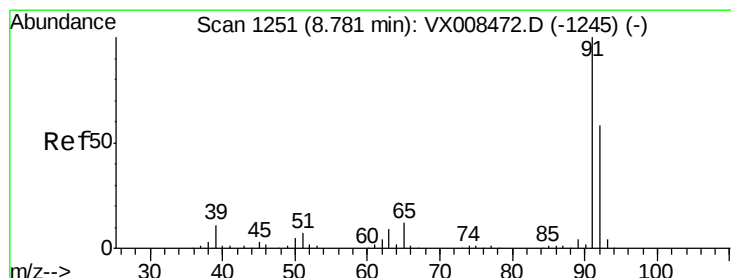
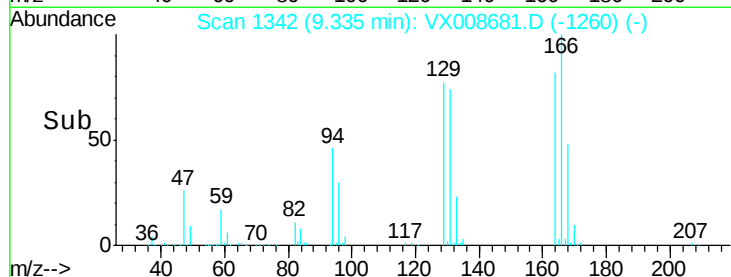
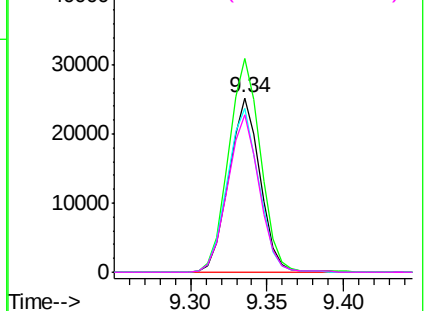


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.908 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX008681.D

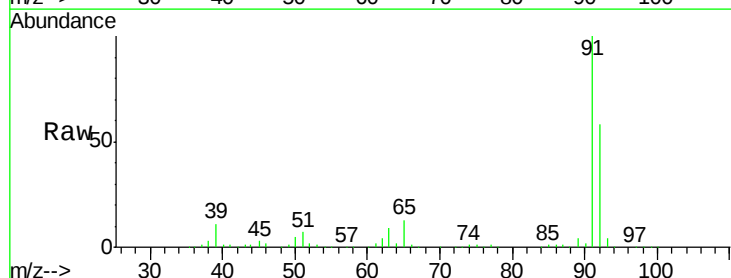
Acq: 05 Apr 2019 13:41

Tgt Ion: 91 Resp: 181799

Ion Ratio Lower Upper

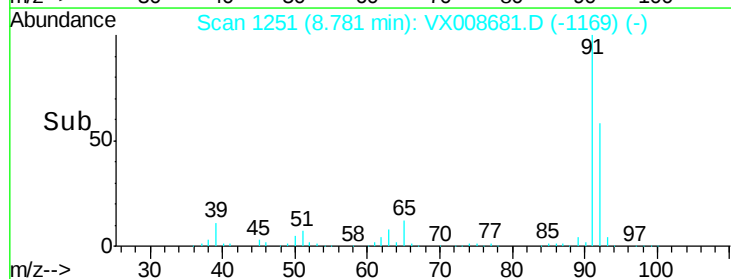
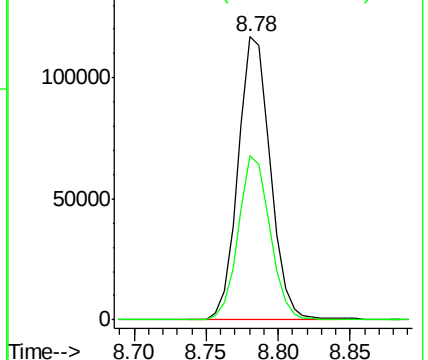
91 100

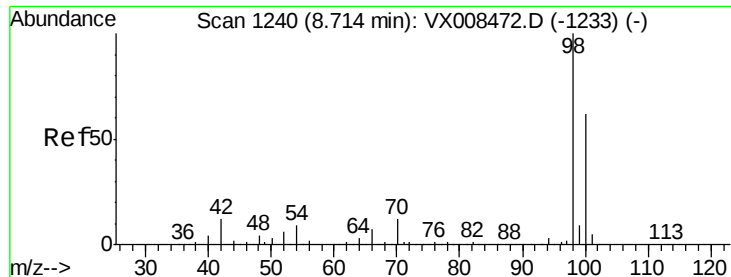
92 57.5 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.225 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

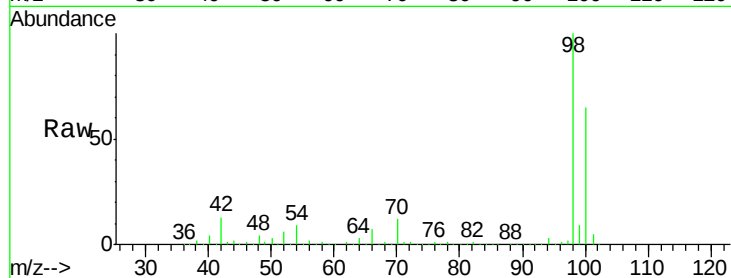
VX0405WBSD01

Tot Ion: 98 Resp: 216393

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

150000

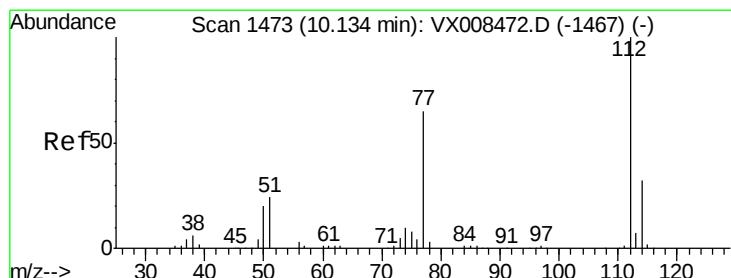
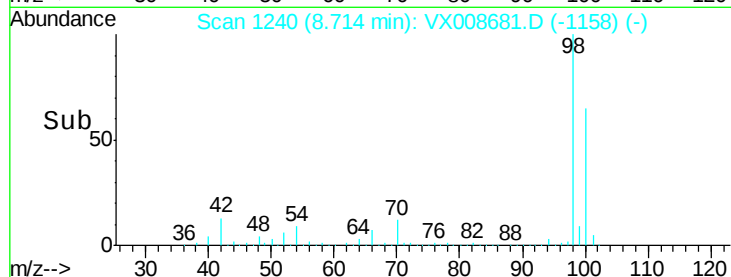
100000

50000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 19.838 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008681.D

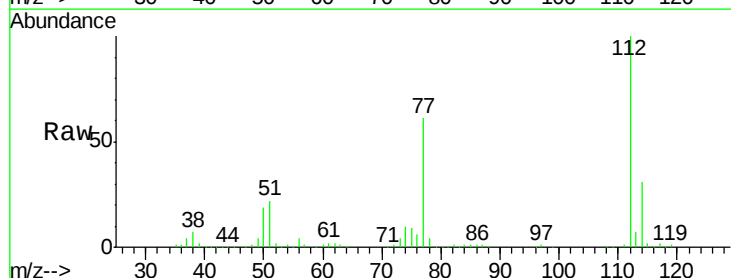
Acq: 05 Apr 2019 13:41

Tgt Ion: 112 Resp: 106147

Ion Ratio Lower Upper

112 100

114 31.1 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

80000

60000

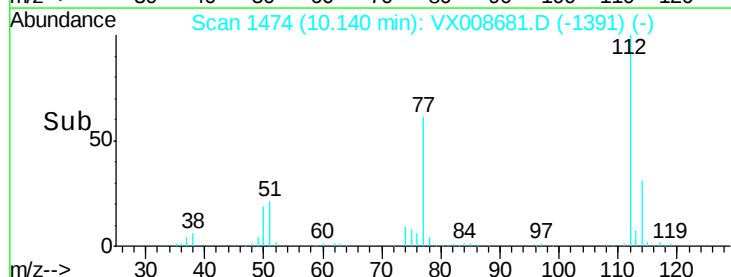
40000

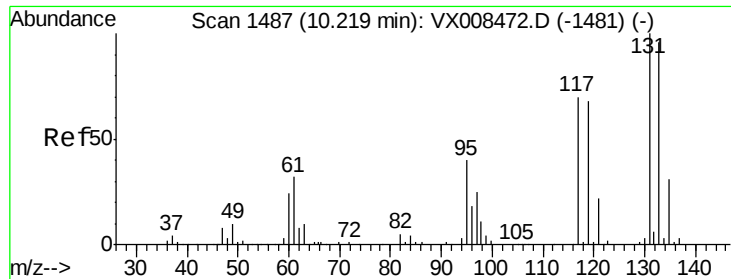
20000

0

10.10 10.14 10.18 10.22

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.719 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

VX0405WBSD01

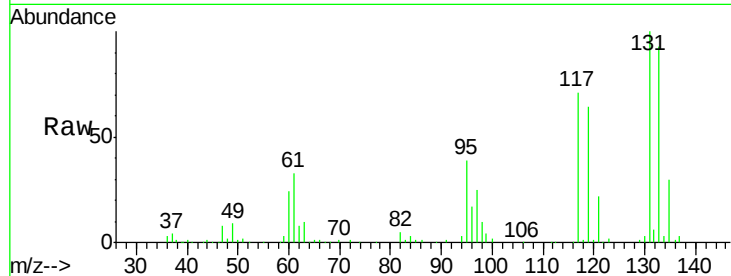
Tot Ion:131 Resp: 37200

Ion Ratio Lower Upper

131 100

133 94.9 0.0 191.6

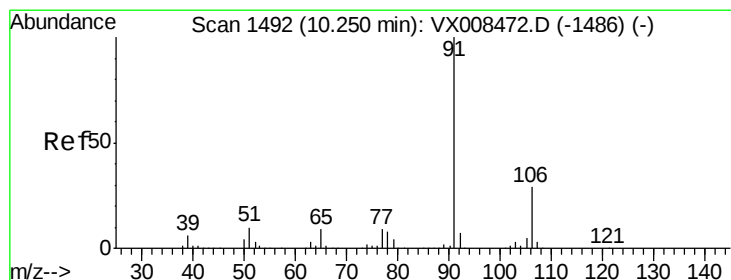
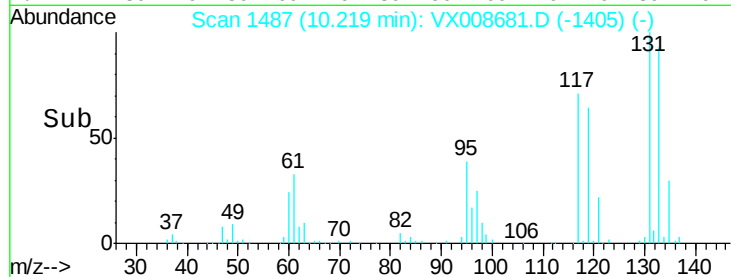
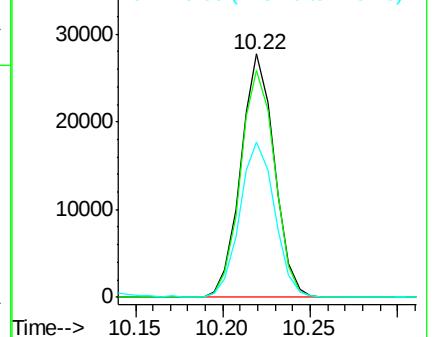
119 66.1 0.0 127.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.749 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008681.D

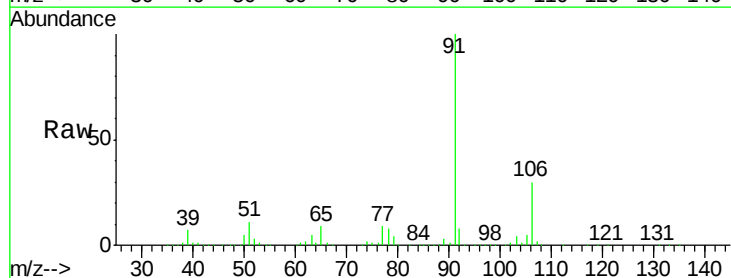
Acq: 05 Apr 2019 13:41

Tgt Ion: 91 Resp: 200176

Ion Ratio Lower Upper

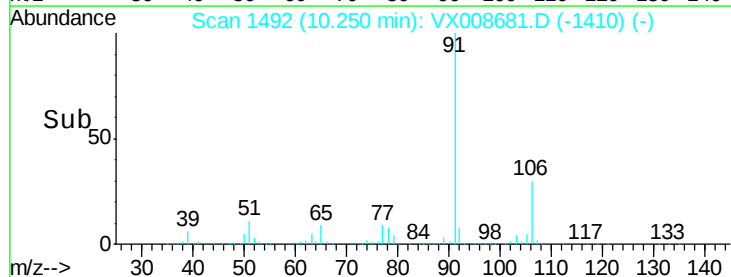
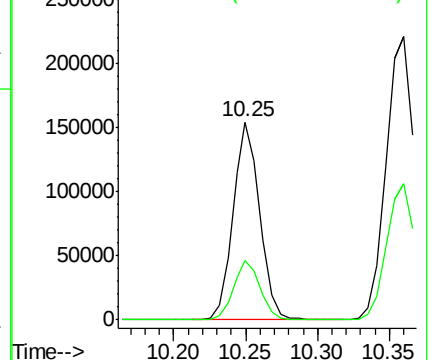
91 100

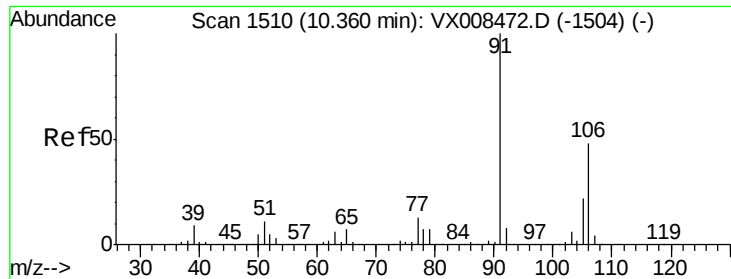
106 30.1 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

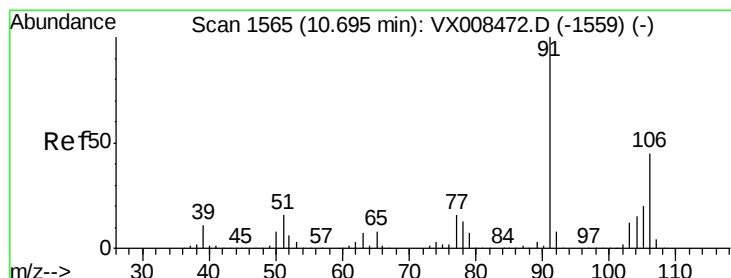
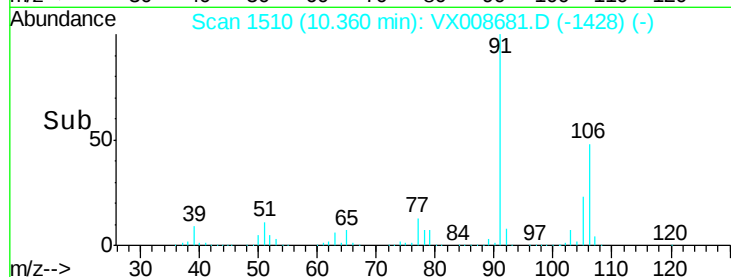
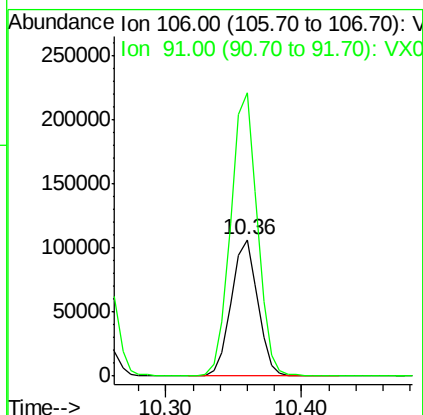
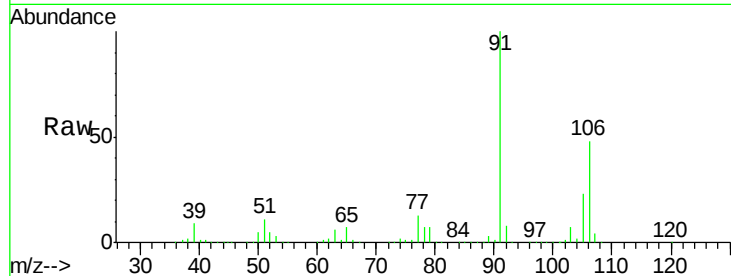




#67
m/p-Xylenes
Concen: 39.124 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

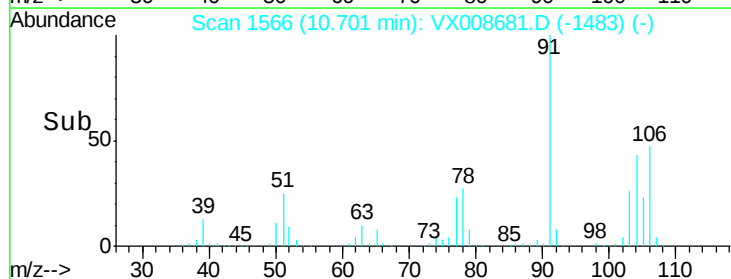
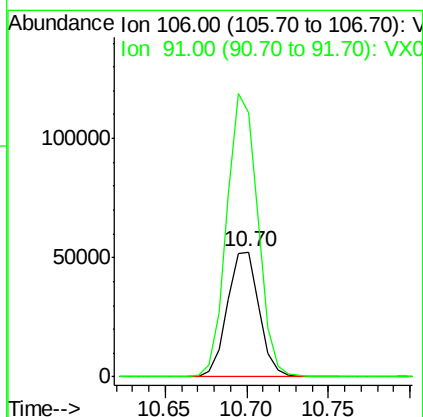
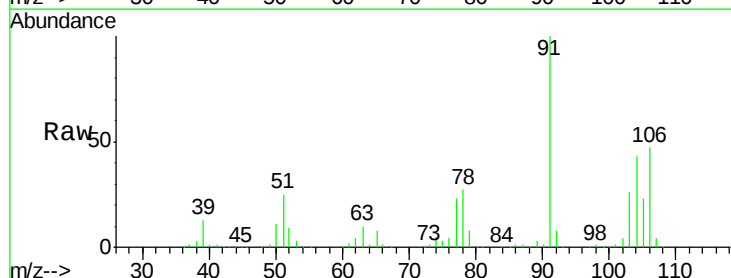
Instrument :
MSVOA_X
ClientSampled :
VX0405WBSD01

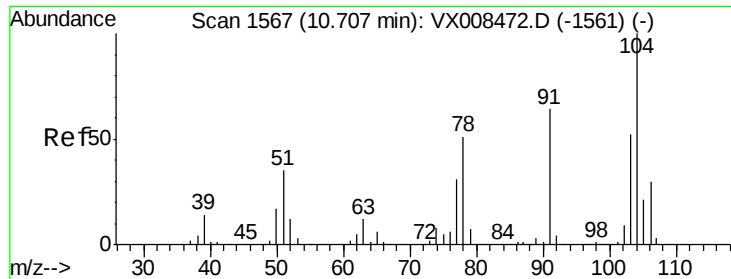
Tot Ion:106 Resp: 144641
Ion Ratio Lower Upper
106 100
91 208.3 157.0 235.4



#68
o-Xylene
Concen: 19.585 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion:106 Resp: 70855
Ion Ratio Lower Upper
106 100
91 221.9 104.4 313.2

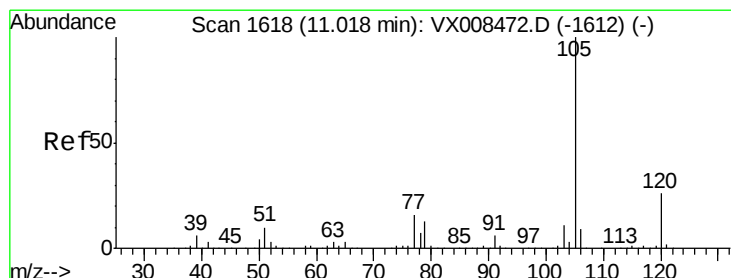
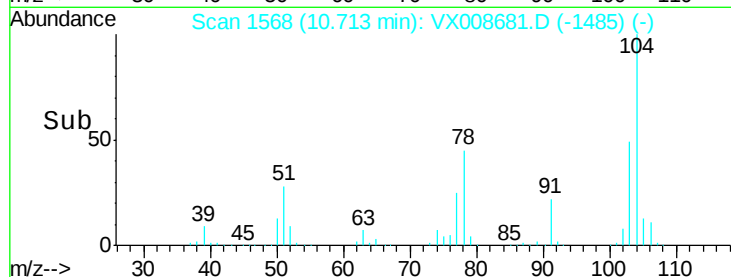
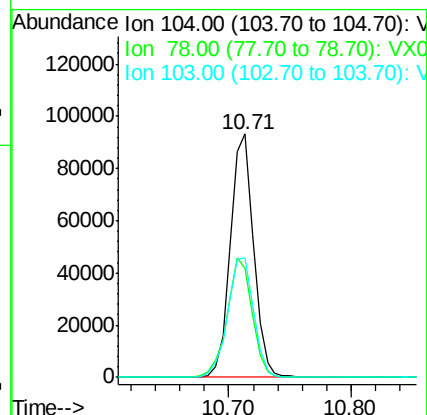
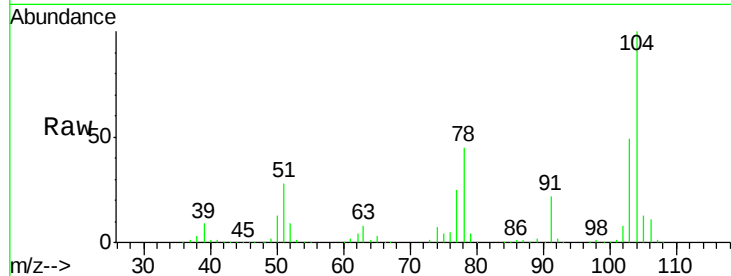




#69
Stvrene
Concen: 19.416 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

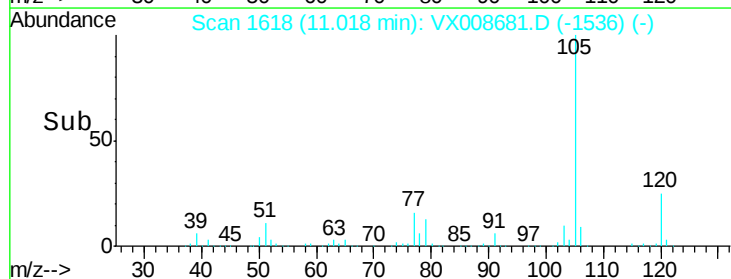
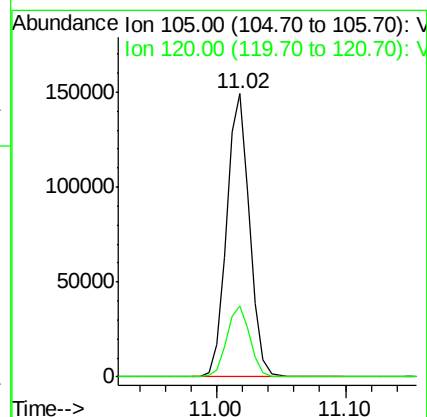
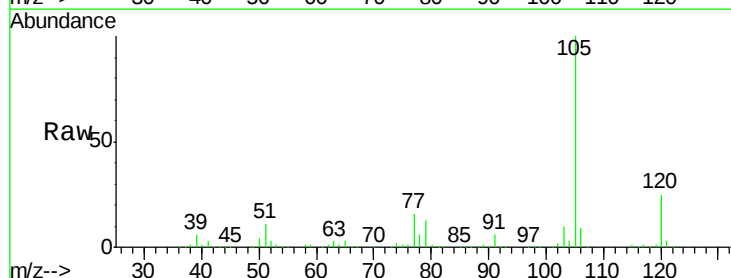
Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD01

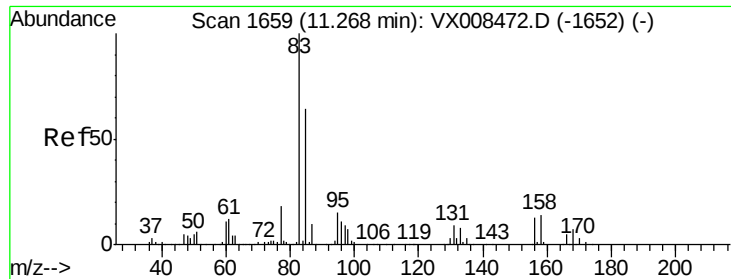
Tot Ion:104 Resp: 122225
Ion Ratio Lower Upper
104 100
78 52.7 38.2 57.2
103 54.9 45.0 67.4



#70
Isopropylbenzene
Concen: 19.586 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion:105 Resp: 186908
Ion Ratio Lower Upper
105 100
120 25.3 19.8 36.8

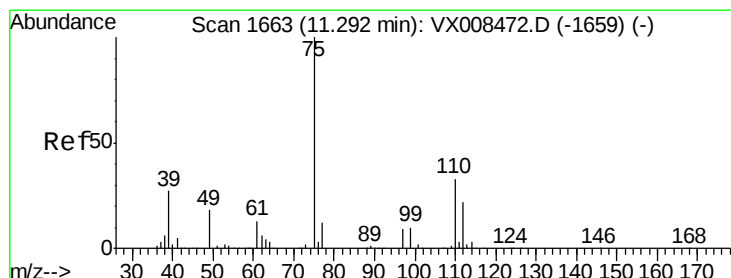
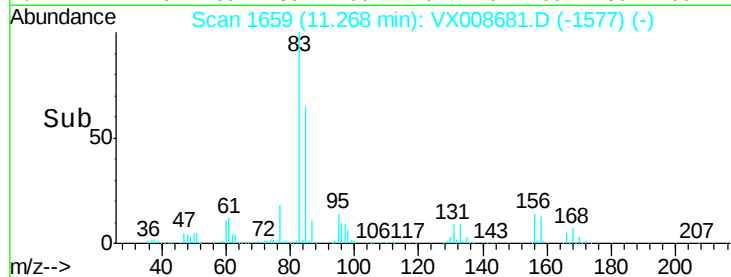
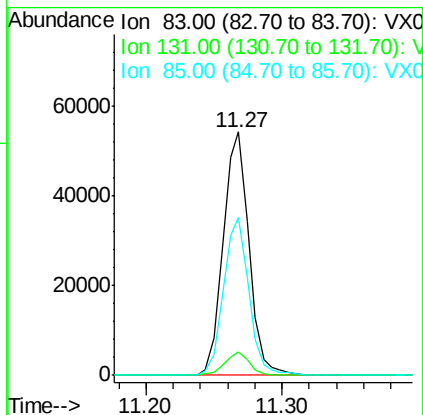
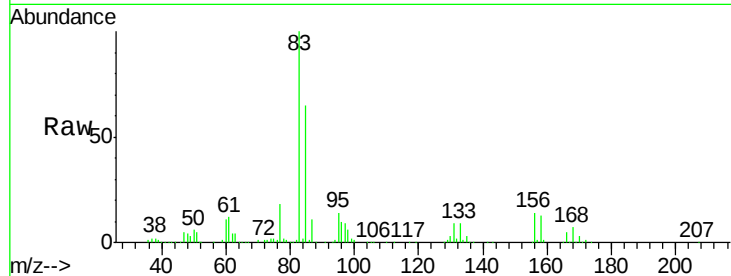




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.934 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

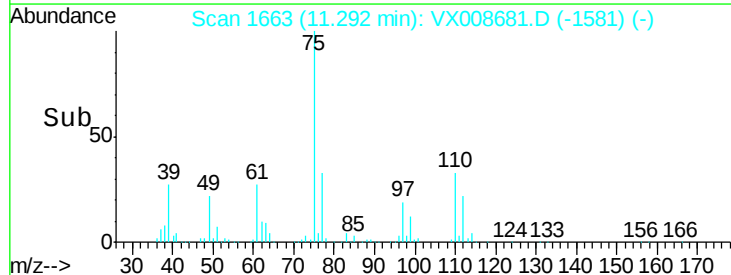
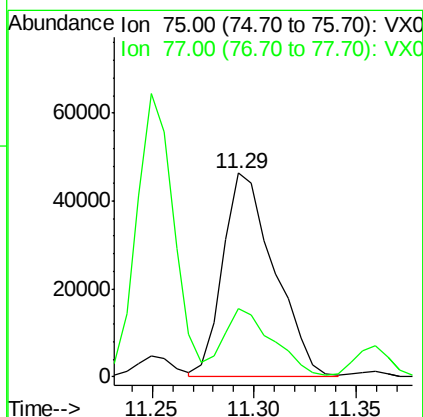
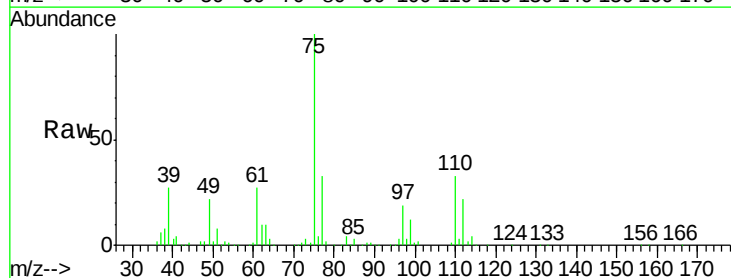
Instrument :
 MSVOA_X
 ClientSampled :
 VX0405WBSD01

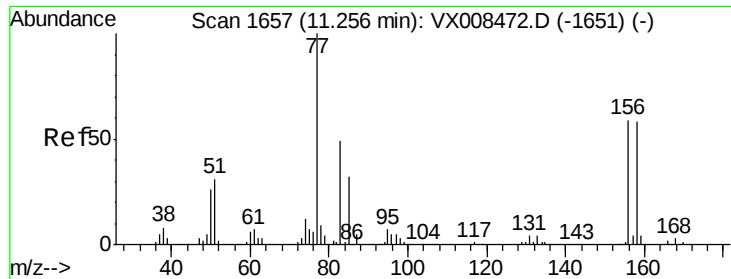
Tot Ion: 83 Resp: 71066
 Ion Ratio Lower Upper
 83 100
 131 9.1 5.4 16.2
 85 63.8 32.8 98.4



#72
 1,2,3-Trichloropropane
 Concen: 26.881 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion: 75 Resp: 81007
 Ion Ratio Lower Upper
 75 100
 77 32.2 0.0 76.4





#73

Bromobenzene

Concen: 19.897 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

VX0405WBSD01

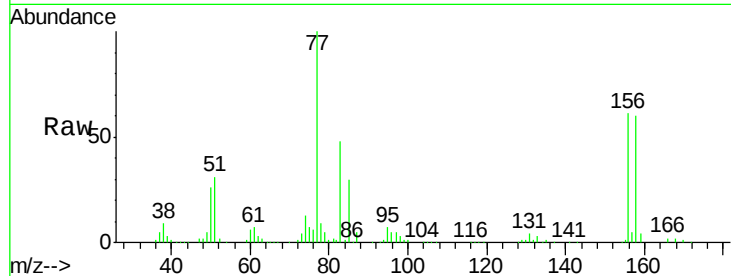
Tot Ion:156 Resp: 45176

Ion Ratio Lower Upper

156 100

77 178.5 0.0 271.4

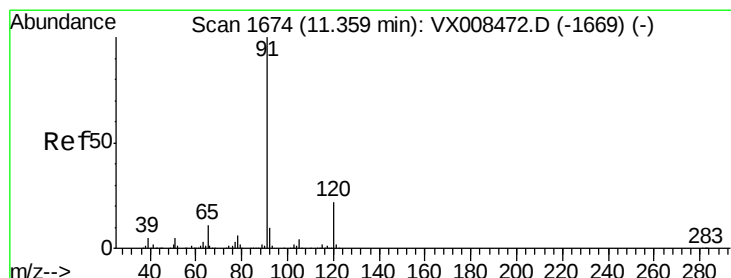
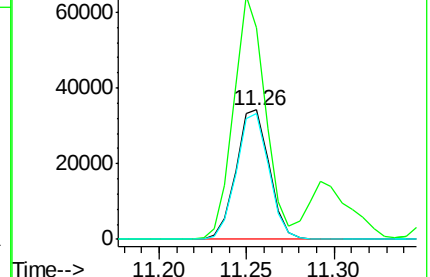
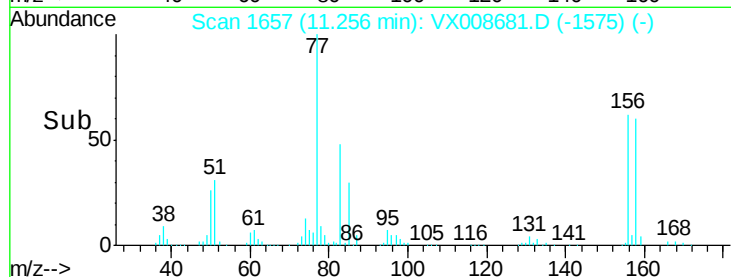
158 95.9 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.164 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008681.D

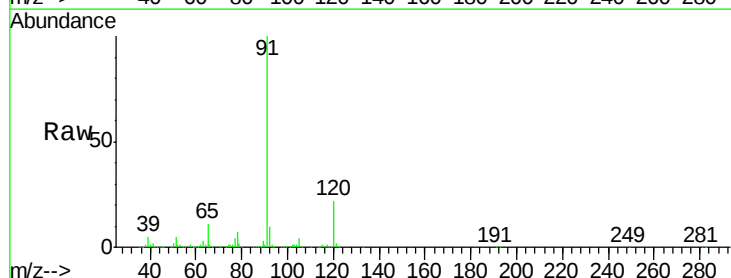
Acq: 05 Apr 2019 13:41

Tgt Ion: 91 Resp: 217878

Ion Ratio Lower Upper

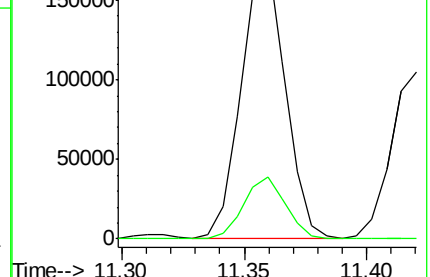
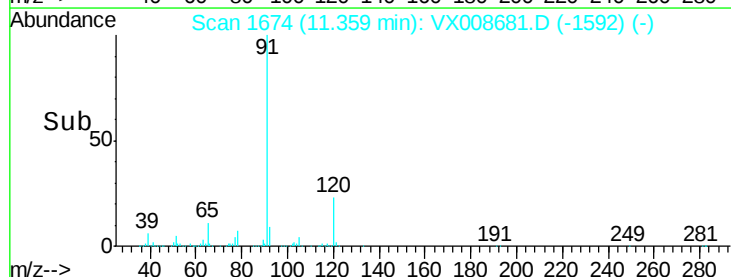
91 100

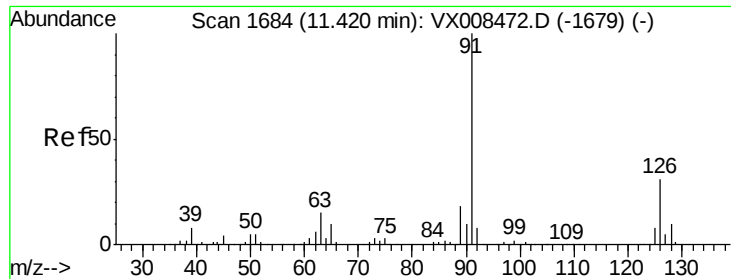
120 21.6 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.362 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

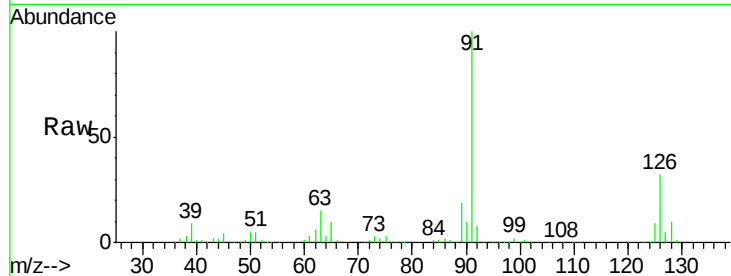
VX0405WBSD01

Tot Ion: 91 Resp: 130963

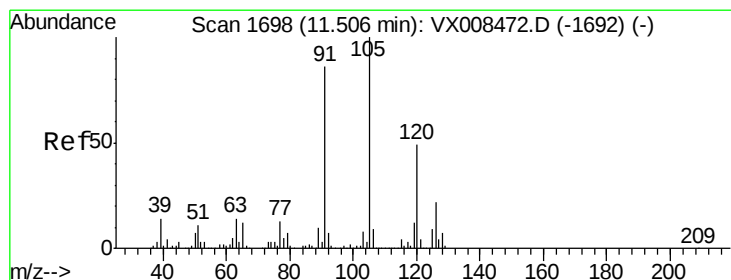
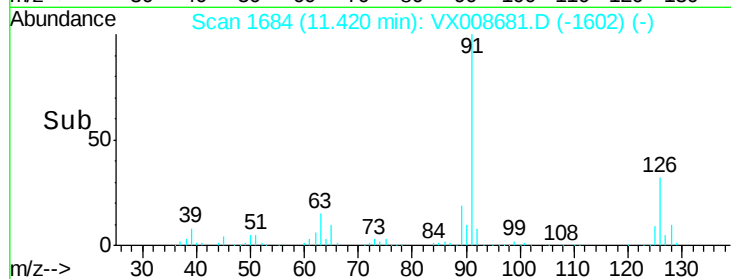
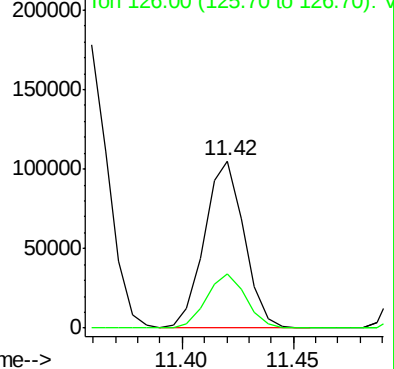
Ion Ratio Lower Upper

91 100

126 32.1 0.0 75.2



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



#76

1,3,5-Trimethylbenzene

Concen: 19.220 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008681.D

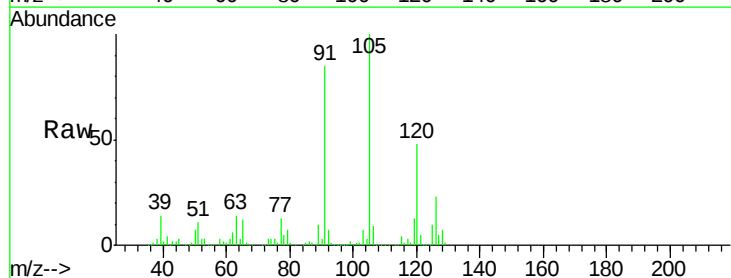
Acq: 05 Apr 2019 13:41

Tgt Ion: 105 Resp: 156814

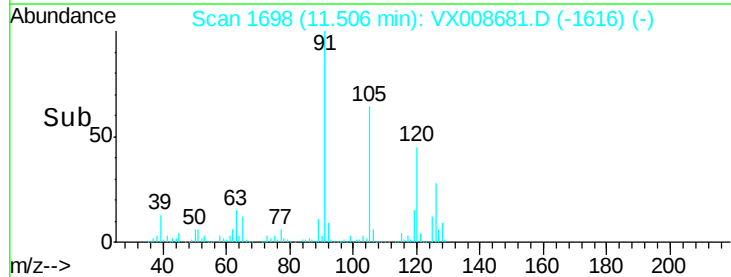
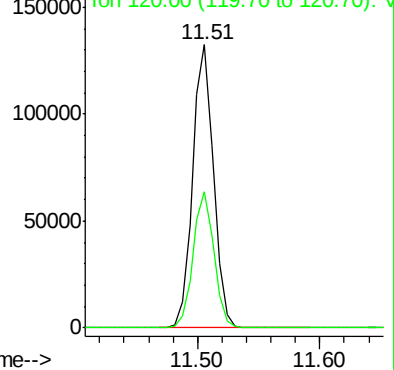
Ion Ratio Lower Upper

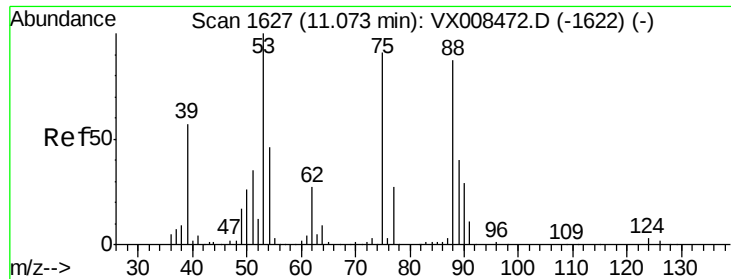
105 100

120 47.9 0.0 101.0



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





#77

t-1,4-Dichloro-2-butene

Concen: 18.098 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

VX0405WBSD01

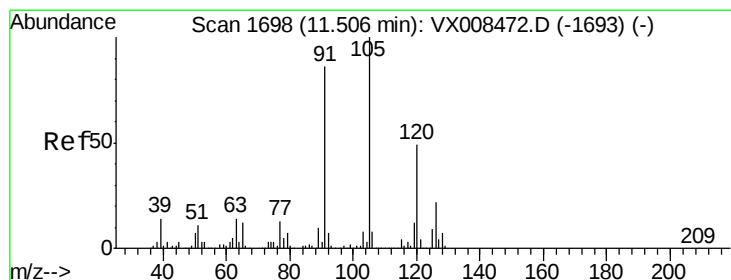
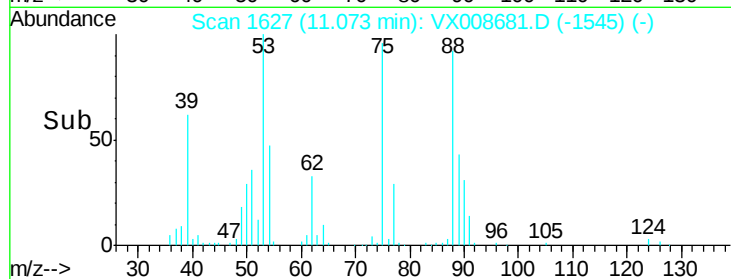
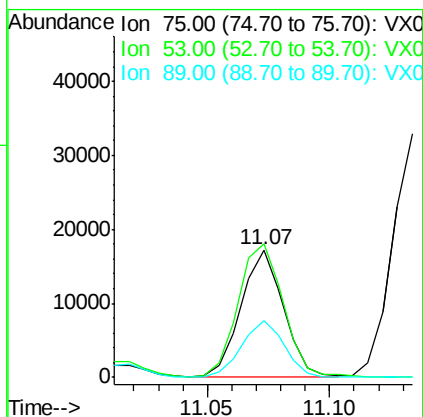
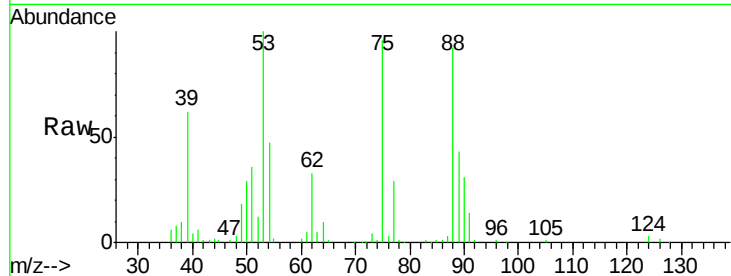
Tot Ion: 75 Resp: 20920

Ion Ratio Lower Upper

75 100

53 103.7 55.5 166.7

89 44.7 24.4 73.2



#78

4-Chlorotoluene

Concen: 18.866 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008681.D

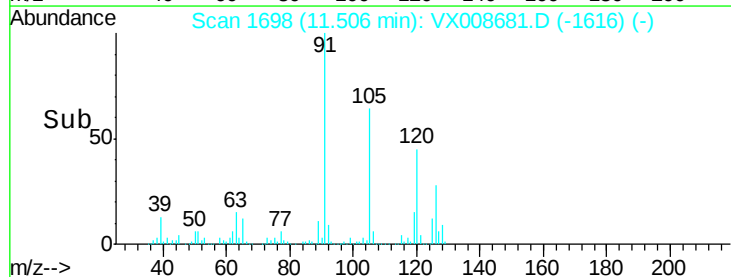
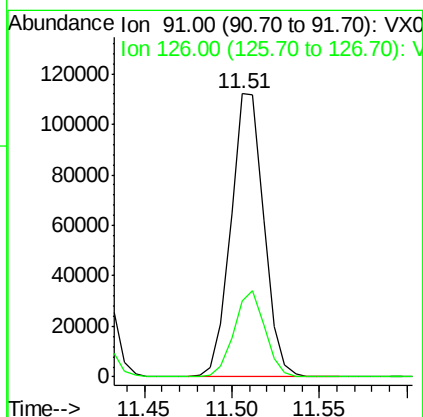
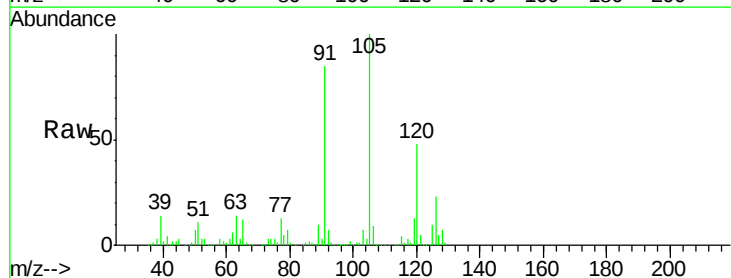
Acq: 05 Apr 2019 13:41

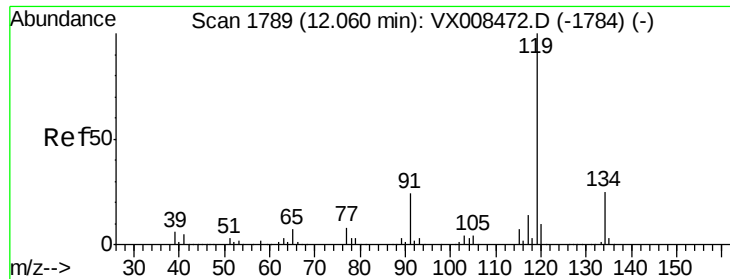
Tgt Ion: 91 Resp: 146865

Ion Ratio Lower Upper

91 100

126 28.7 0.0 66.2

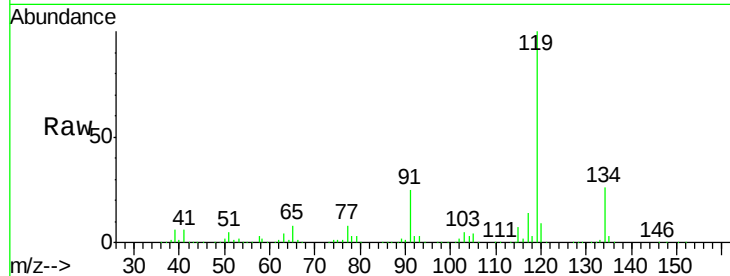




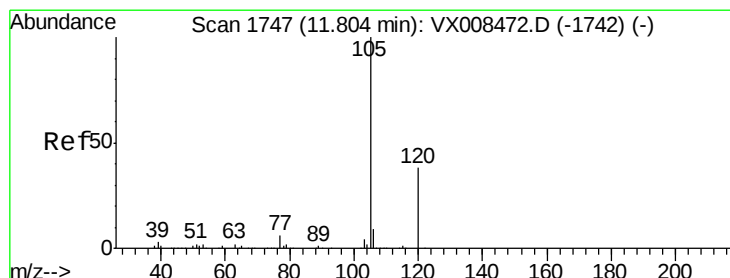
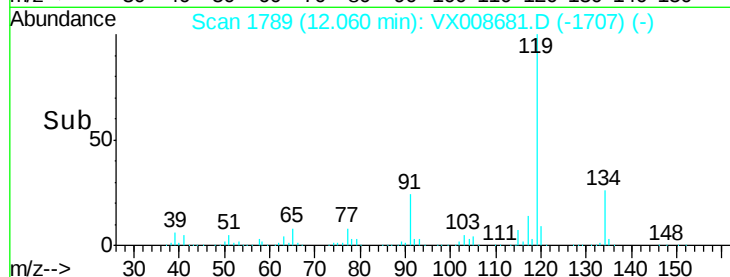
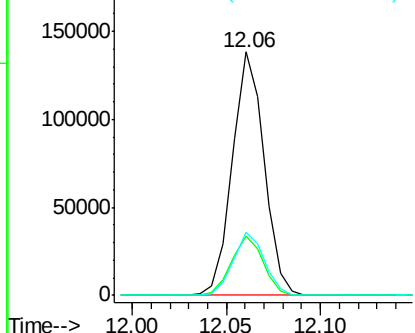
#79
tert-butylbenzene
Concen: 19.334 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Instrument :
MSVOA_X
ClientSampled :
VX0405WBSD01

Tot Ion:119 Resp: 161206
Ion Ratio Lower Upper
119 100
91 24.6 0.0 45.0
134 25.7 0.0 55.4

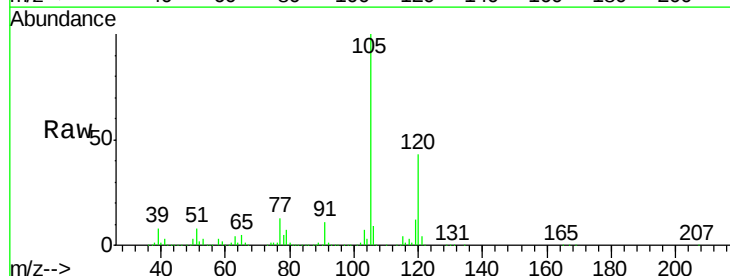


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

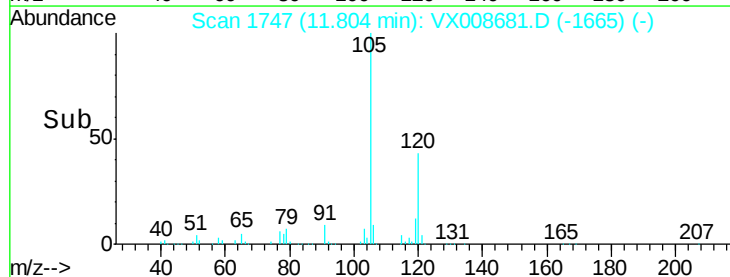
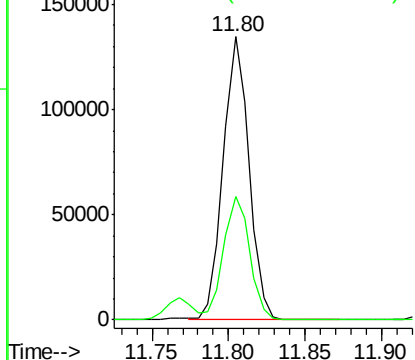


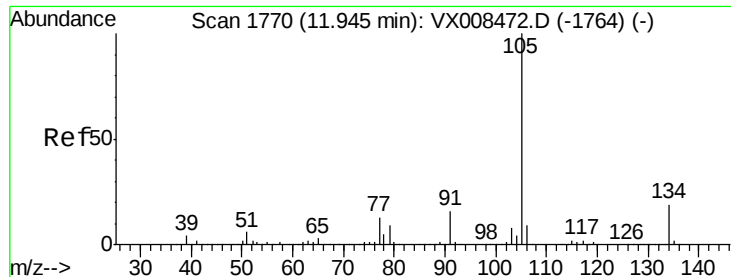
#80
1,2,4-Trimethylbenzene
Concen: 19.374 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion:105 Resp: 157609
Ion Ratio Lower Upper
105 100
120 44.3 0.0 94.0



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





#81

sec-Butylbenzene

Concen: 19.267 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

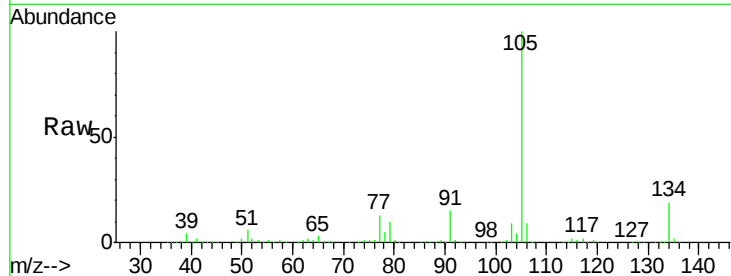
VX0405WBSD01

Tot Ion:105 Resp: 179608

Ion Ratio Lower Upper

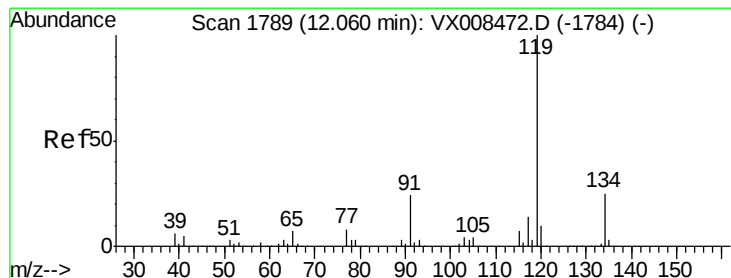
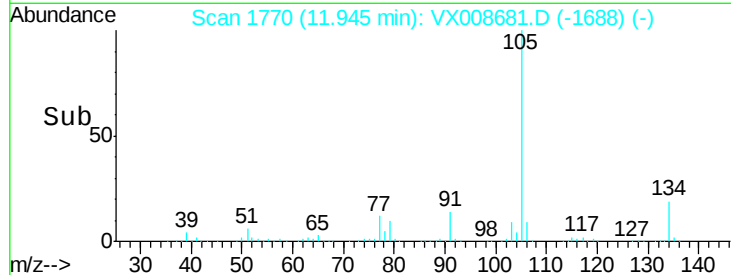
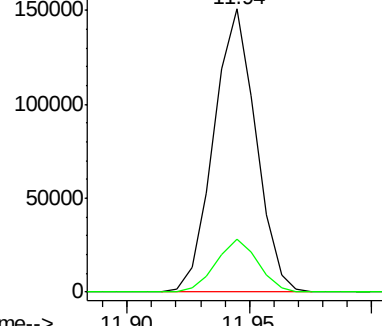
105 100

134 19.0 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.334 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008681.D

Acq: 05 Apr 2019 13:41

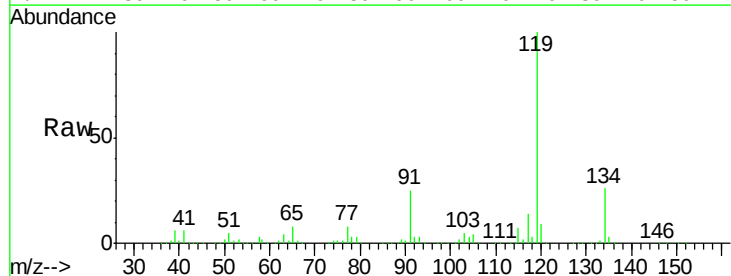
Tgt Ion:119 Resp: 161206

Ion Ratio Lower Upper

119 100

134 25.7 0.0 55.4

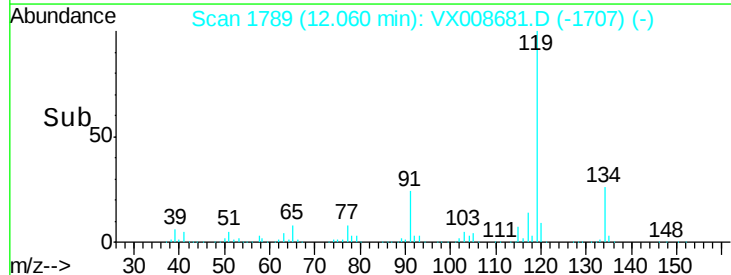
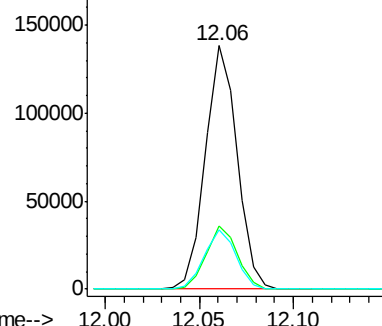
91 24.6 0.0 45.0

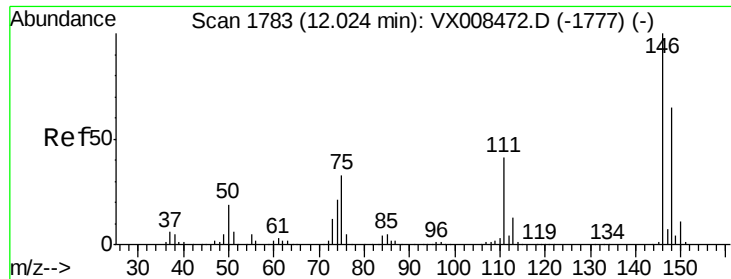


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

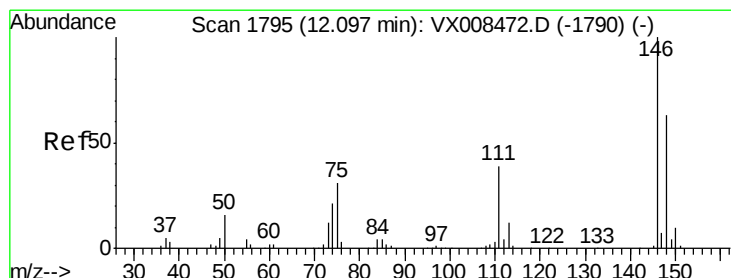
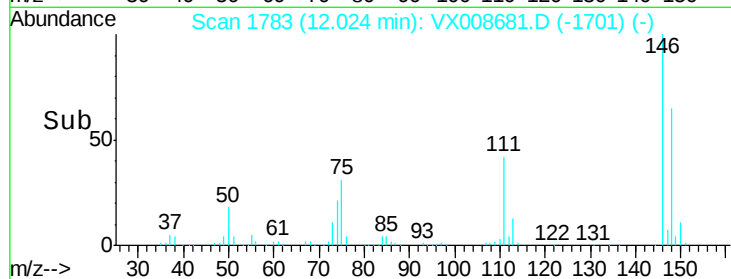
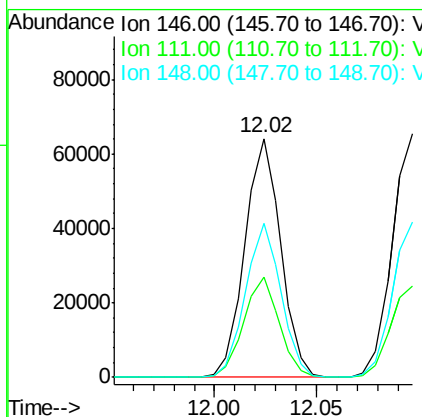
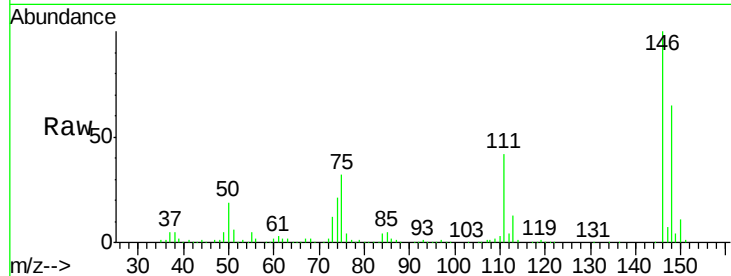




#83
 1,3-Dichlorobenzene
 Concen: 19.446 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

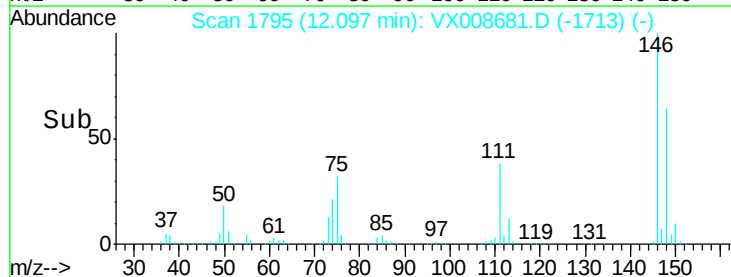
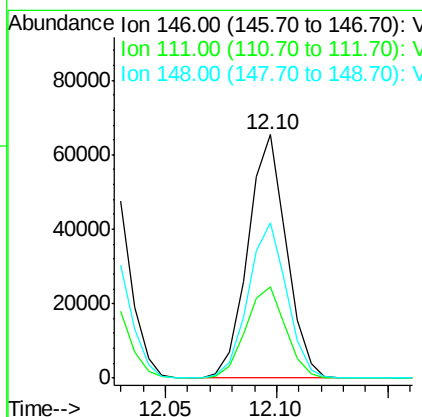
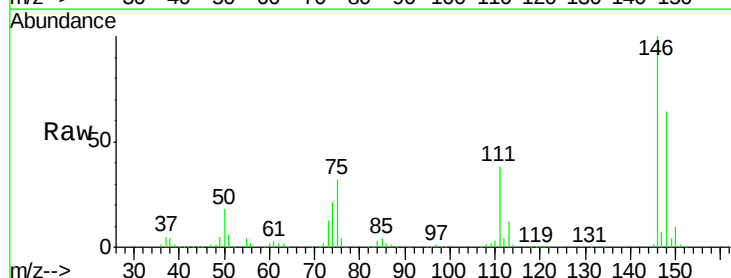
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

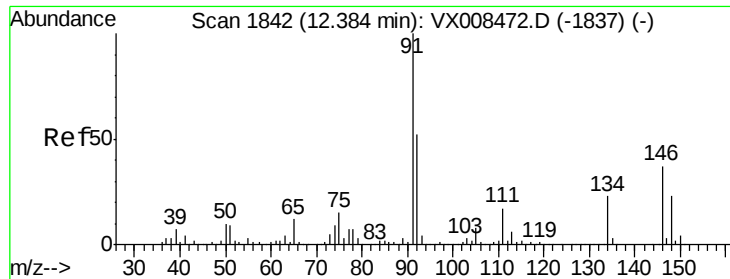
Tot Ion:146 Resp: 78383
 Ion Ratio Lower Upper
 146 100
 111 41.7 18.8 56.3
 148 64.1 30.6 91.8



#84
 1,4-Dichlorobenzene
 Concen: 19.448 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion:146 Resp: 78339
 Ion Ratio Lower Upper
 146 100
 111 39.1 17.6 52.8
 148 63.9 31.4 94.2

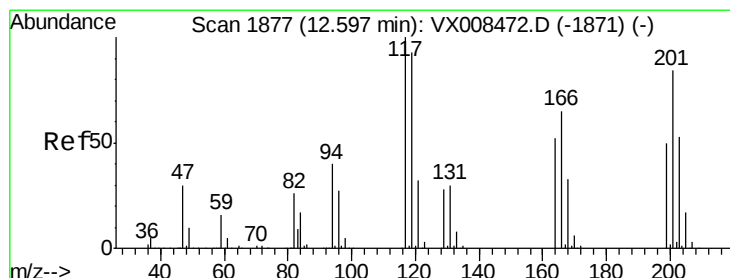
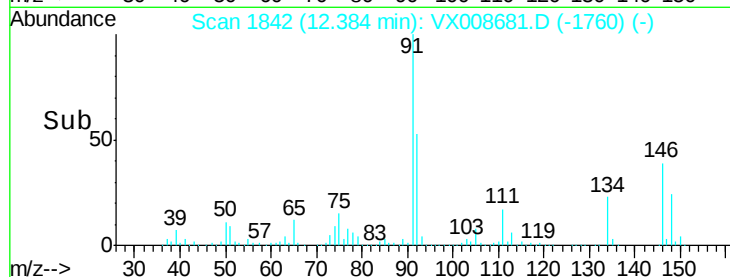
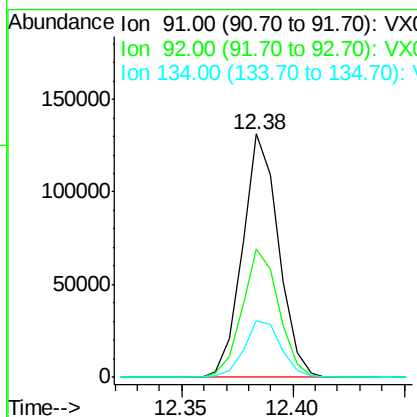
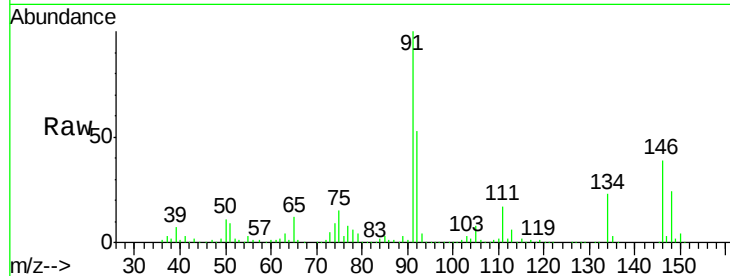




#85
n-Butylbenzene
Concen: 18.736 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

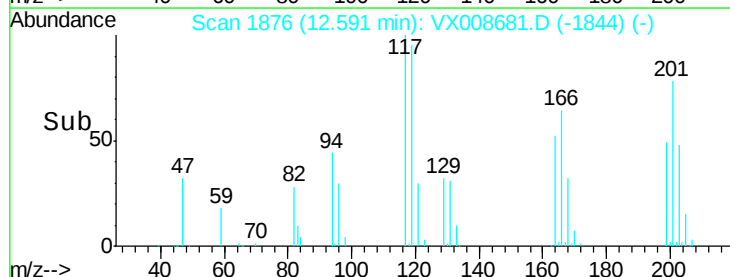
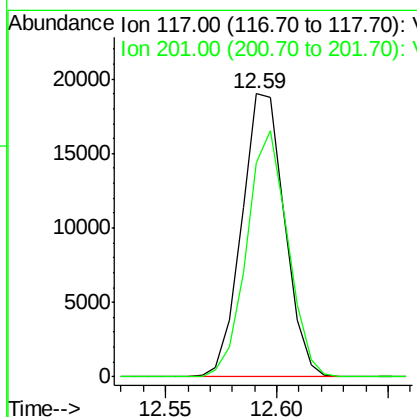
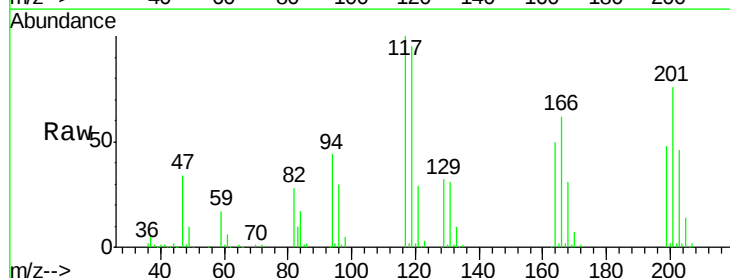
Instrument :
MSVOA_X
ClientSampled :
VX0405WBSD01

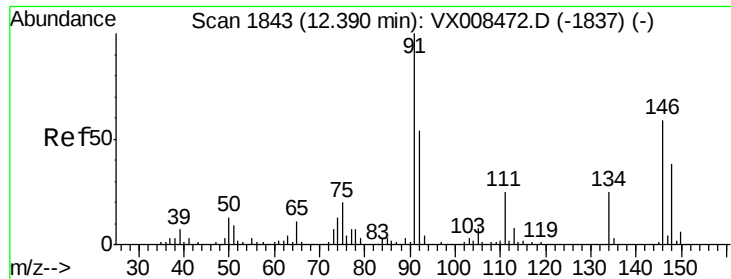
Tot Ion: 91 Resp: 148428
Ion Ratio Lower Upper
91 100
92 53.4 0.0 105.2
134 24.0 0.0 56.4



#86
Hexachloroethane
Concen: 18.342 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion: 117 Resp: 25553
Ion Ratio Lower Upper
117 100
201 82.9 41.1 123.3

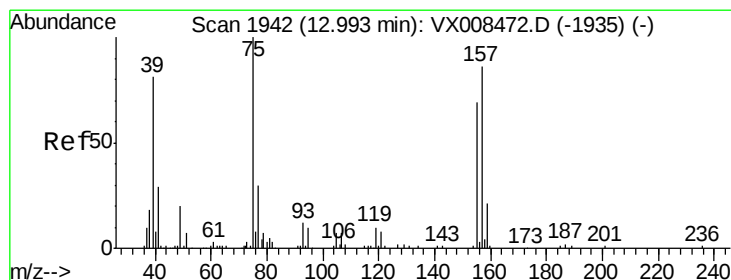
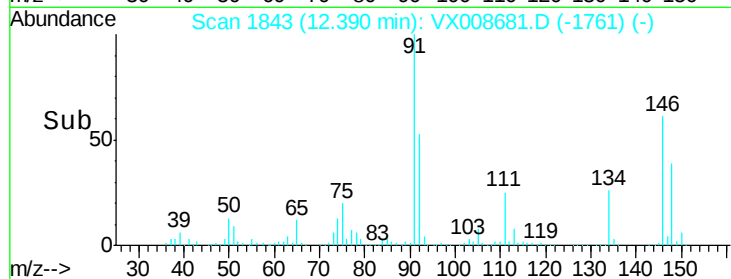
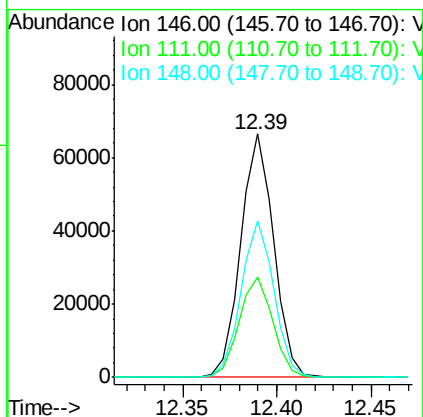
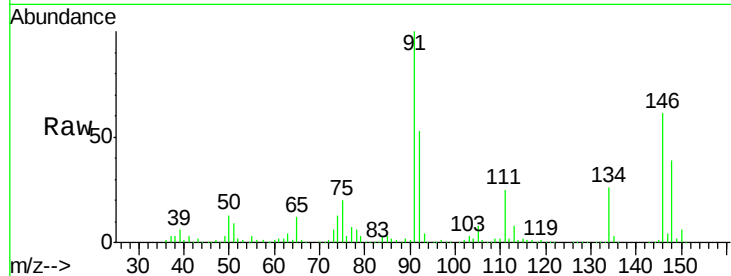




#87
 1,2-Dichlorobenzene
 Concen: 19.844 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

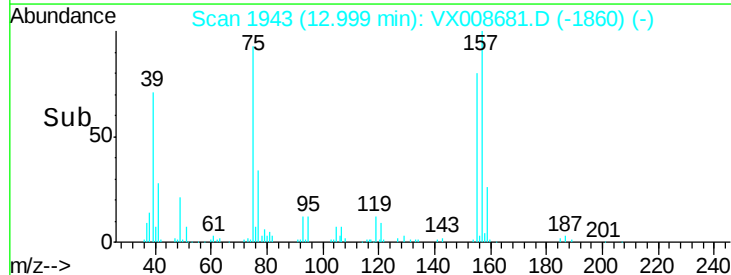
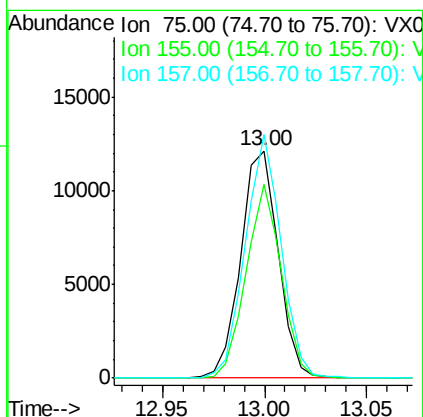
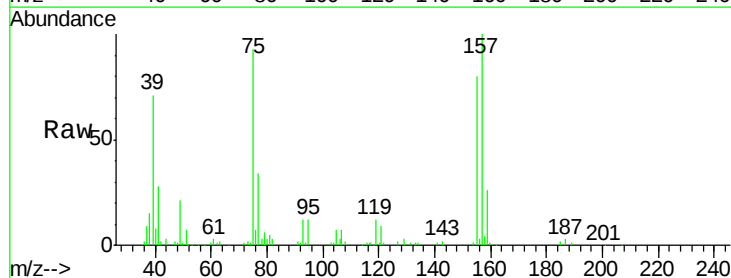
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

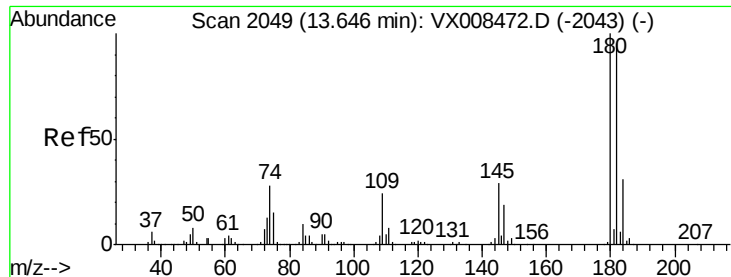
Tot Ion:146 Resp: 80597
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.3 57.8
 148 63.9 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.582 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion: 75 Resp: 15473
 Ion Ratio Lower Upper
 75 100
 155 79.9 81.0 121.6#
 157 102.8 103.2 154.8#

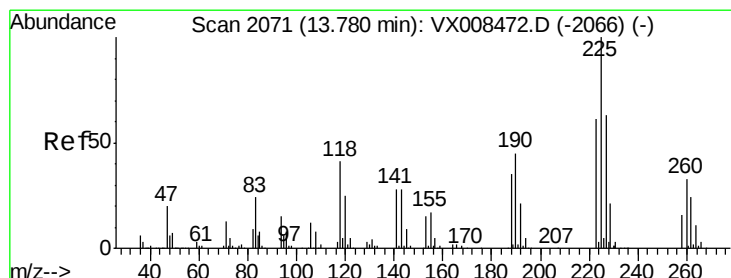
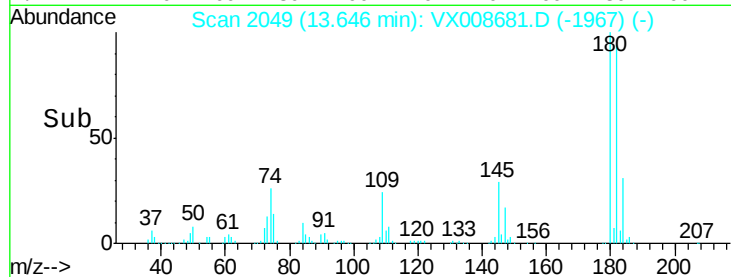
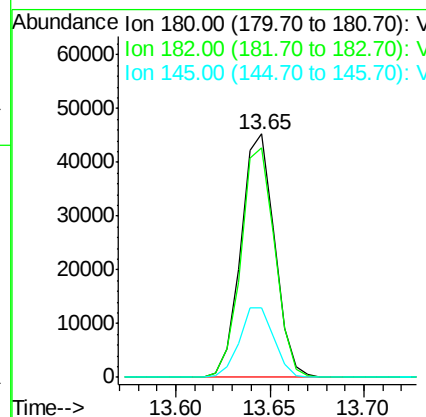
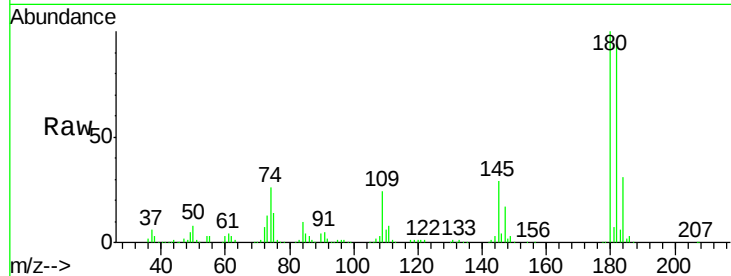




#89
 1,2,4-Trichlorobenzene
 Concen: 20.055 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

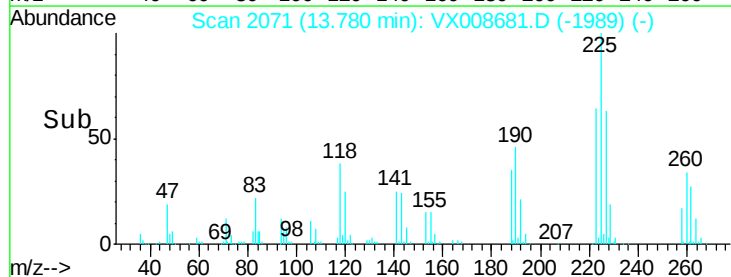
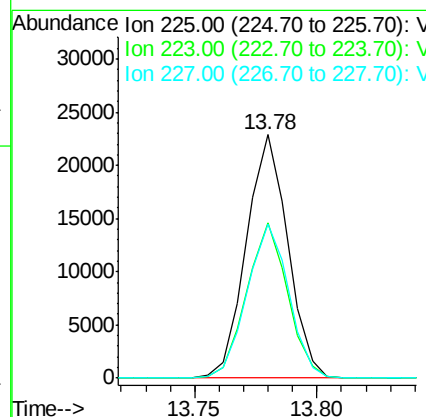
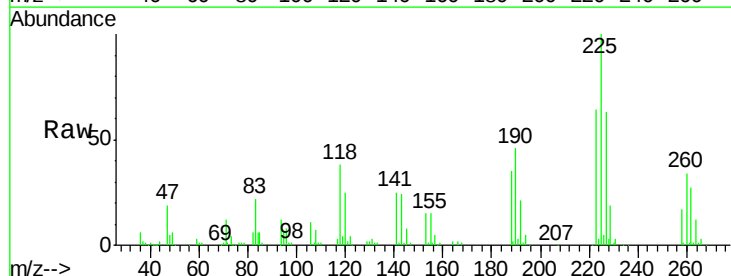
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0405WBSD01

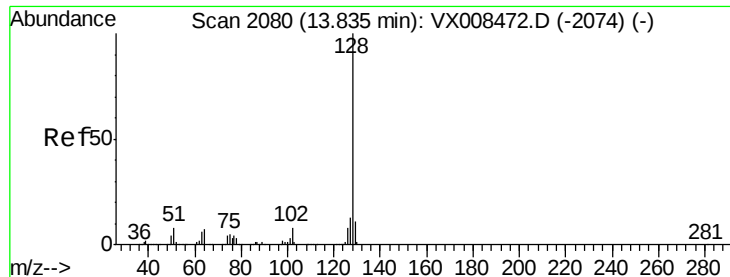
Tot Ion:180 Resp: 56185
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.6 113.4
 145 29.5 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 19.965 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008681.D
 Acq: 05 Apr 2019 13:41

Tgt Ion:225 Resp: 26947
 Ion Ratio Lower Upper
 225 100
 223 63.1 0.0 123.8
 227 63.7 0.0 124.4

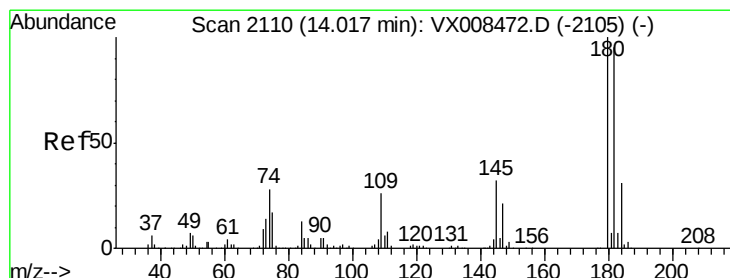
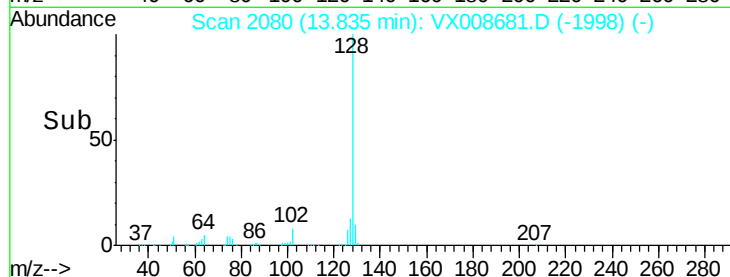
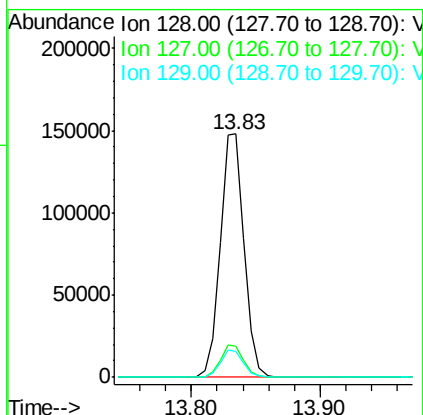
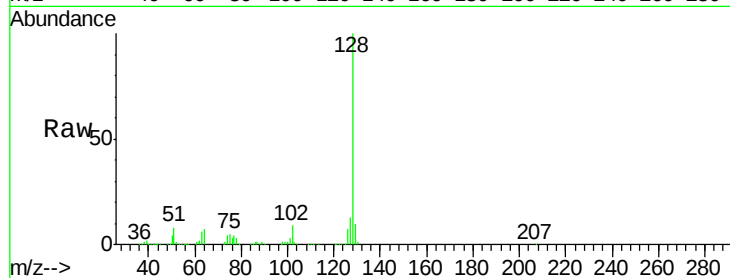




#91
Naphthalene
Concen: 20.094 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
VX0405WBSD01

Tot Ion:128 Resp: 192877
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 20.194 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008681.D
Acq: 05 Apr 2019 13:41

Tgt Ion:180 Resp: 56990
Ion Ratio Lower Upper
180 100
182 96.7 0.0 193.0
145 32.3 0.0 63.0

