

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032219\
 Data File : VX008334.D
 Acq On : 22 Mar 2019 12:37
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Quant Time: Mar 22 15:28:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 22 13:03:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	29729	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	167161	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	146153	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	62265	30.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.17%
60) 4-Bromofluorobenzene	11.13	95	73407	30.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.87%
63) Toluene-d8	8.71	98	196190	29.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	245244	153.746	ug/l	99
3) Chloromethane	1.32	50	248838	152.573	ug/l	96
4) Vinyl Chloride	1.41	62	277373	150.895	ug/l	100
5) Bromomethane	1.64	94	589822	177.004	ug/l	100
6) Chloroethane	1.70	64	260398	199.323	ug/l	96
7) Trichlorofluoromethane	1.92	101	445512	152.249	ug/l	97
8) Diethyl Ether	2.19	74	174379	153.655	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	240551	148.642	ug/l	100
10) 1,1-Dichloroethene	2.37	96	243990	152.741	ug/l	98
11) Methyl Iodide	2.51	142	384286	159.143	ug/l	95
12) Methyl Acetate	2.78	43	268077	153.795	ug/l	99
13) Acrolein	2.30	56	217773	797.512	ug/l	98
14) Acrylonitrile	3.15	53	666111	770.037	ug/l	99
15) Acetone	2.45	58	221053	651.664	ug/l	99
16) Carbon Disulfide	2.57	76	671400	151.586	ug/l	100
17) Allyl chloride	2.73	41	370997	157.392	ug/l	98
18) Methylene Chloride	2.86	84	257396	149.686	ug/l	93
19) trans-1,2-Dichloroethene	3.17	96	262126	154.585	ug/l	96
20) Diisopropyl ether	3.86	45	753062	152.792	ug/l	95
21) 1,1-Dichloroethane	3.70	63	444196	152.601	ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	300307	153.550	ug/l	96
23) tert-Butyl Alcohol	3.07	59	285242	812.250	ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	798439	155.581	ug/l	98
25) Chloroform	5.21	83	468174	151.622	ug/l	97
26) Cyclohexane	5.59	56	394274	153.159	ug/l #	100
29) 1,1-Dichloropropene	5.80	75	348171	146.648	ug/l	99
30) 2-Butanone	4.68	43	950463	695.037	ug/l	97
31) 2,2-Dichloropropane	4.59	77	342006	153.002	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	417978	149.624	ug/l	99
33) Carbon Tetrachloride	5.79	117	383228	149.375	ug/l	99
34) Benzene	6.14	78	1035346	146.397	ug/l	97
35) Methacrylonitrile	5.05	41	190463	149.523	ug/l	98
36) 1,2-Dichloroethane	6.20	62	374619	143.714	ug/l	98
37) Trichloroethene	7.21	130	301117	144.814	ug/l	95
38) Methylcyclohexane	7.46	83	442350	148.661	ug/l	100
39) 1,2-Dichloropropane	7.51	63	263745	146.564	ug/l	99
40) Dibromomethane	7.66	93	194941	147.701	ug/l	96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	378513	151.138	ug/l	100
42) Vinyl Acetate	3.82	43	3475326	756.109	ug/l	100
43) Ethyl Acetate	4.84	43	354396	146.735	ug/l #	82
44) Isopropyl Acetate	6.45	43	581292	153.020	ug/l	98
45) 1,4-Dioxane	7.74	88	142429	2980.926	ug/l	99
46) Methyl methacrylate	7.77	41	282227	151.412	ug/l	99
47) n-amyl Acetate	10.90	43	544817	167.280	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	407960	162.699	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	442945	158.309	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	275425	145.261	ug/l	95
51) Ethyl methacrylate	9.18	69	436437	157.664	ug/l	99
52) 1,3-Dichloropropane	9.37	76	439194	144.431	ug/l	100
53) Dibromochloromethane	9.59	129	329078	153.965	ug/l	100
54) 1,2-Dibromoethane	9.67	107	304935	146.582	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	1055981	758.235	ug/l	99
56) Bromoform	10.86	173	276153	163.655	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	1871137	760.383	ug/l	97
59) 2-Hexanone	9.49	43	1472473	756.444	ug/l	98
61) Tetrachloroethene	9.34	164	277599	141.100	ug/l	99
62) Toluene	8.79	91	1147242	147.882	ug/l	99
64) Chlorobenzene	10.14	112	739585	147.877	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	289543	151.580	ug/l	99
66) Ethyl Benzene	10.25	91	1260633	150.256	ug/l	99
67) m/p-Xylenes	10.36	106	1012635	303.681	ug/l	99
68) o-Xylene	10.70	106	488850	152.609	ug/l	100
69) Styrene	10.71	104	847690	156.747	ug/l	97
70) Isopropylbenzene	11.02	105	1284881	152.455	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	434238	151.098	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	499804	208.358	ug/l	89
73) Bromobenzene	11.26	156	355335	152.385	ug/l	97
74) n-propylbenzene	11.36	91	1465882	156.042	ug/l	100
75) 2-Chlorotoluene	11.42	91	857545	152.855	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	1118408	155.338	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	148584	181.174	ug/l	89
78) 4-Chlorotoluene	11.51	91	1036051	156.913	ug/l	97
79) tert-butylbenzene	12.07	119	1200916	158.570	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	1108089	154.882	ug/l	99
81) sec-Butylbenzene	11.94	105	1260913	153.541	ug/l	99
82) p-Isopropyltoluene	12.07	119	1200916	158.570	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	636311	157.220	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	642618	159.441	ug/l	98
85) n-Butylbenzene	12.39	91	1090274	167.361	ug/l	100
86) Hexachloroethane	12.60	117	213429	163.514	ug/l	91
87) 1,2-Dichlorobenzene	12.39	146	626112	156.865	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	107935	164.064	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	472659	167.318	ug/l	99
90) Hexachlorobutadiene	13.78	225	228808	160.897	ug/l	98
91) Naphthalene	13.83	128	1424427	167.888	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	468630	164.095	ug/l	99

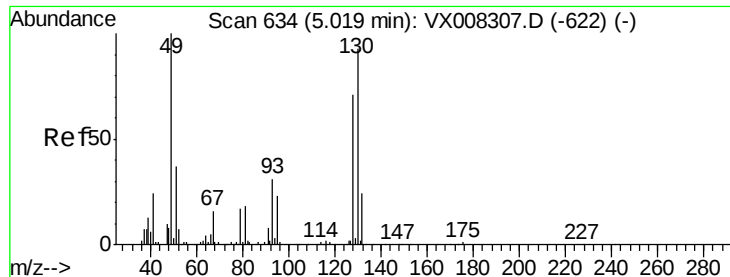
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032219\
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QLast Update : Fri Mar 22 13:03:05 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

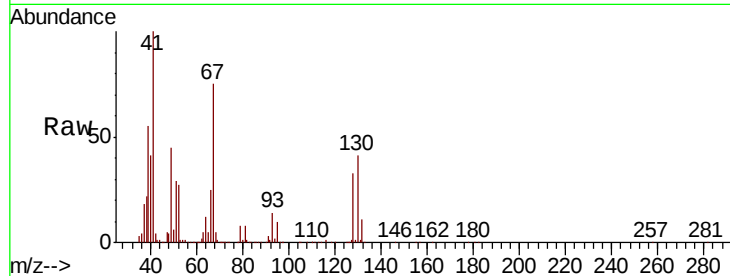
Tgt Ion:128 Resp: 29729

Ion Ratio Lower Upper

128 100

49 144.5 0.0 350.8

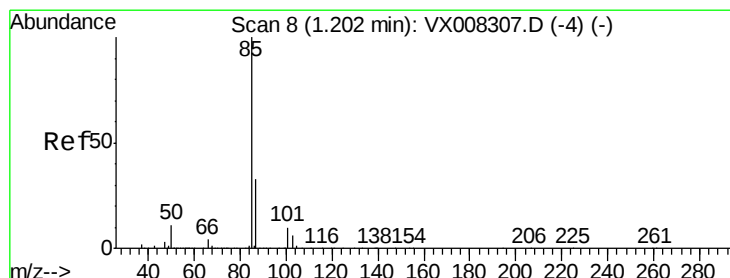
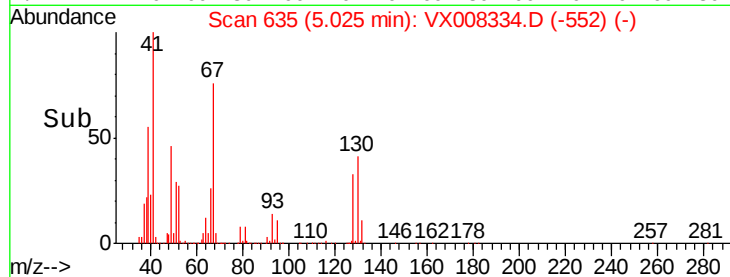
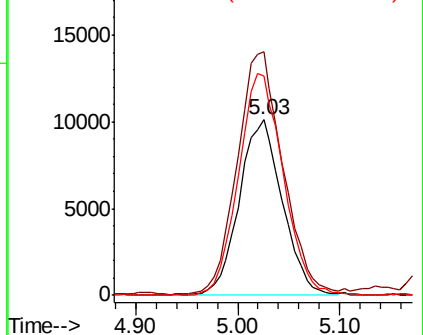
130 131.0 0.0 325.8



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: 153.746 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.01 min

Lab File: VX008334.D

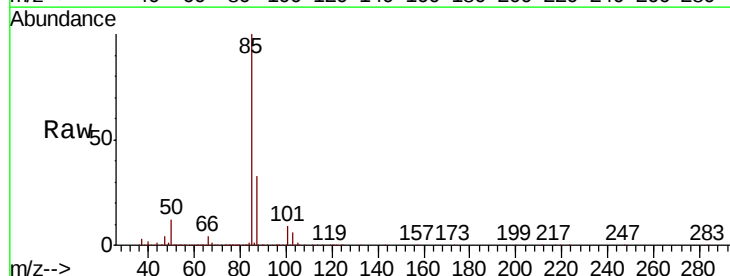
Acq: 22 Mar 2019 12:37

Tgt Ion: 85 Resp: 245244

Ion Ratio Lower Upper

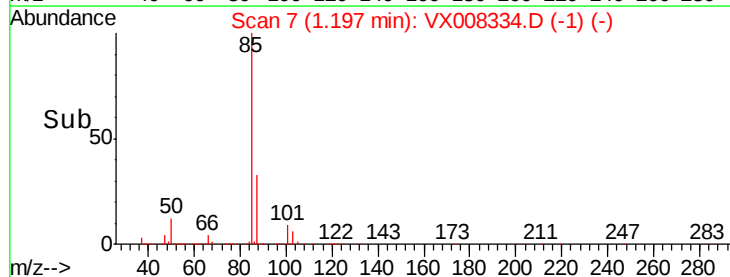
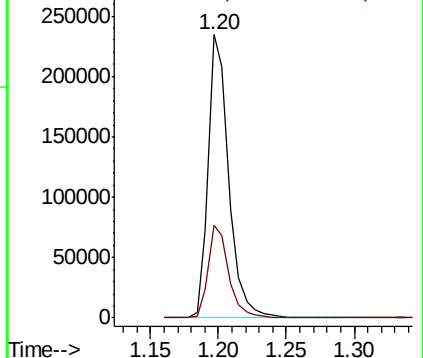
85 100

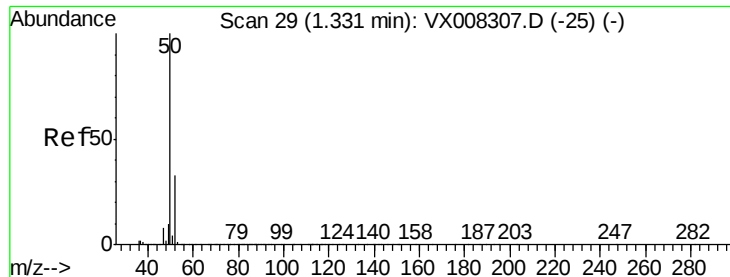
87 32.6 16.6 49.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 152.573 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

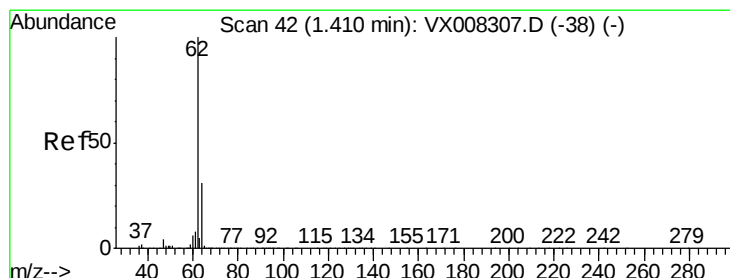
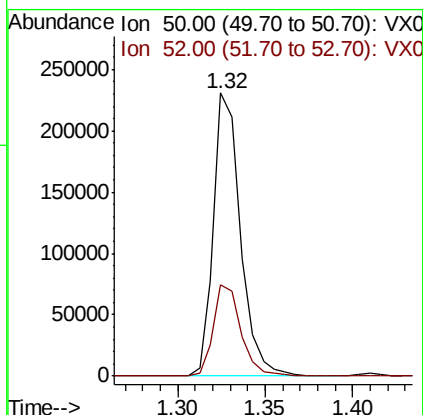
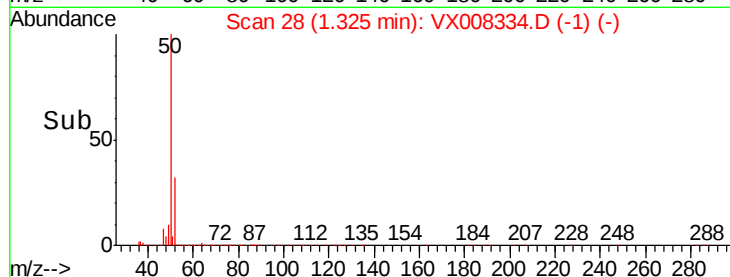
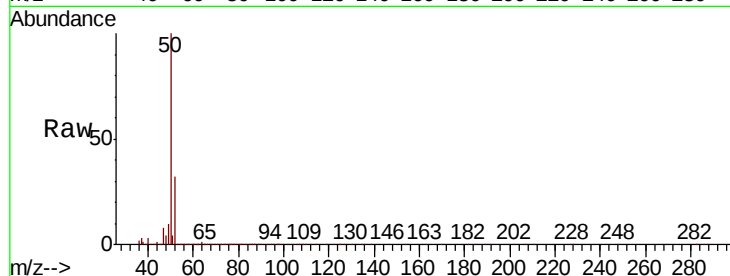
VSTDIC150

Tgt Ion: 50 Resp: 248838

Ion Ratio Lower Upper

50 100

52 32.3 27.5 41.3



#4

Vinyl Chloride

Concen: 150.895 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008334.D

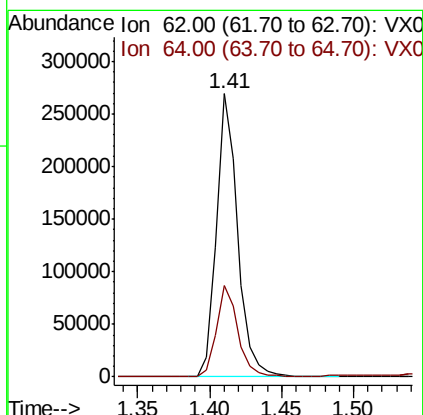
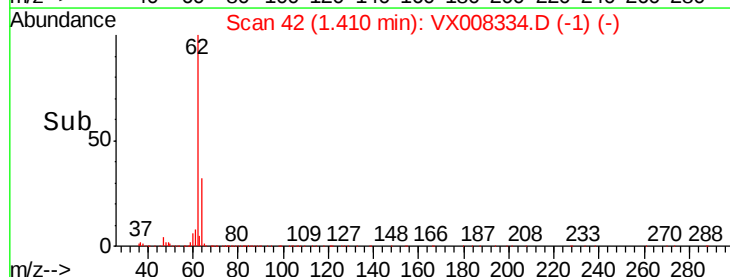
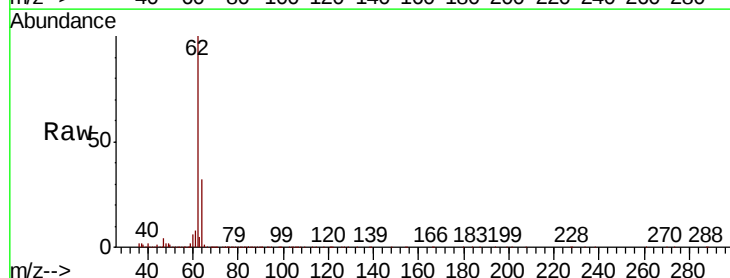
Acq: 22 Mar 2019 12:37

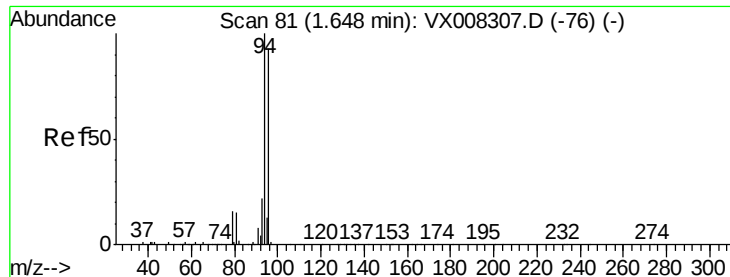
Tgt Ion: 62 Resp: 277373

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9





#5

Bromomethane

Concen: 177.004 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

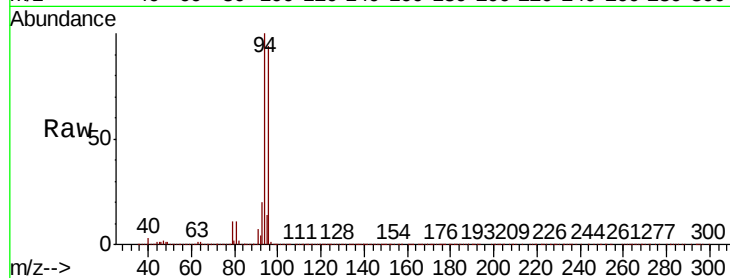
VSTDIC150

Tgt Ion: 94 Resp: 589822

Ion Ratio Lower Upper

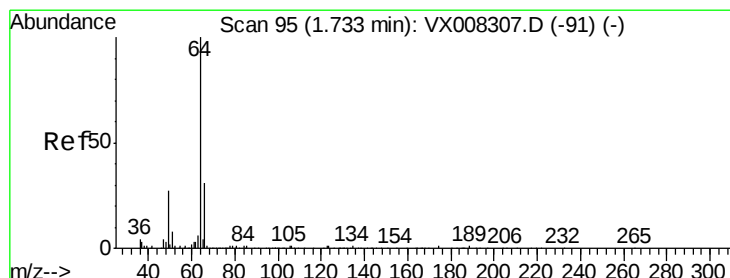
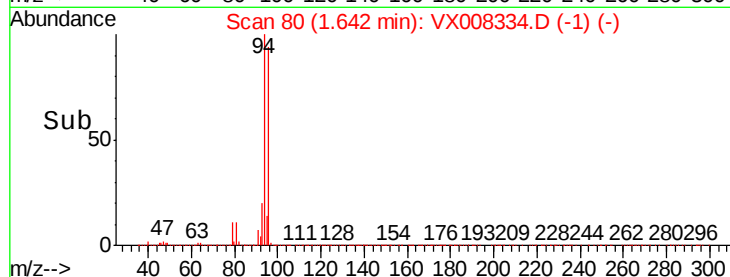
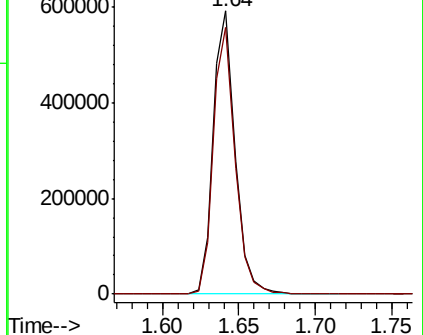
94 100

96 94.3 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 199.323 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.03 min

Lab File: VX008334.D

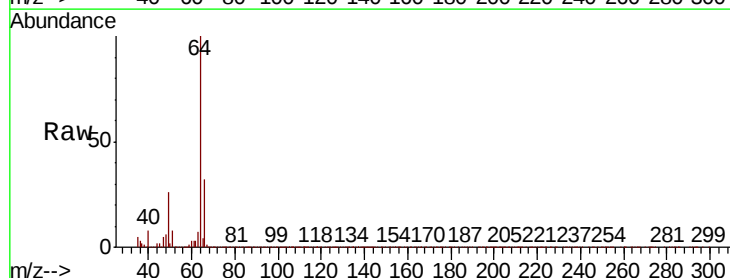
Acq: 22 Mar 2019 12:37

Tgt Ion: 64 Resp: 260398

Ion Ratio Lower Upper

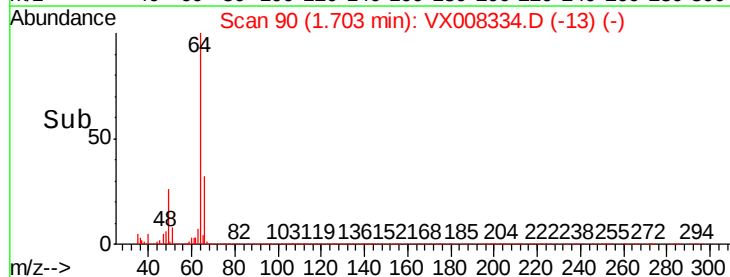
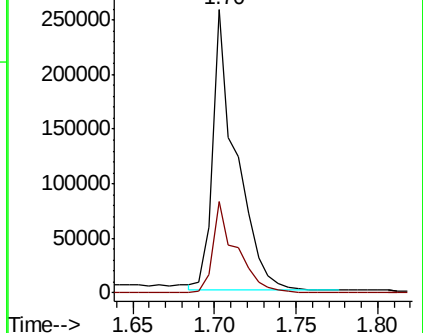
64 100

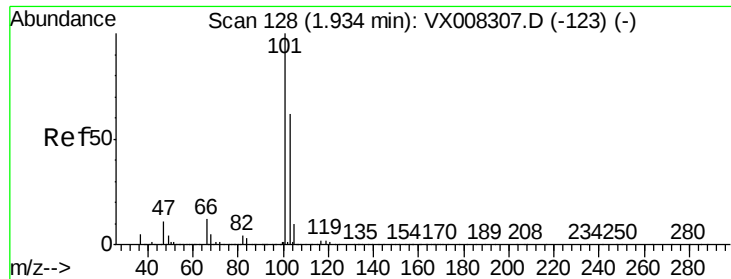
66 32.2 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



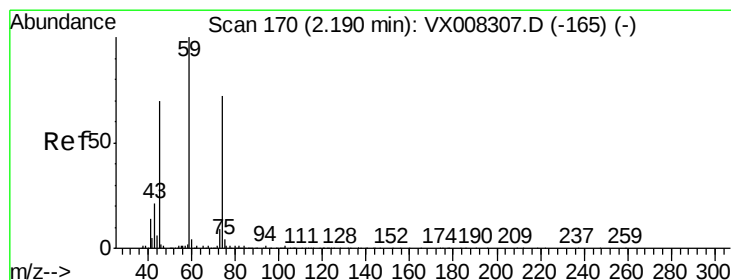
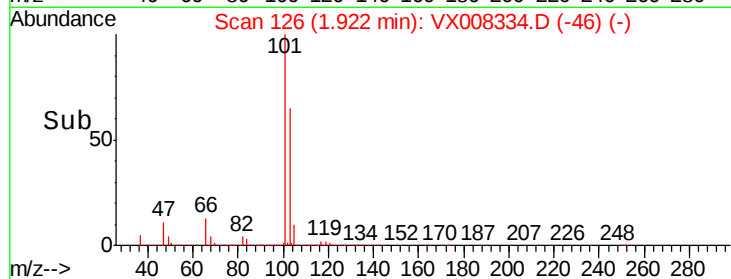
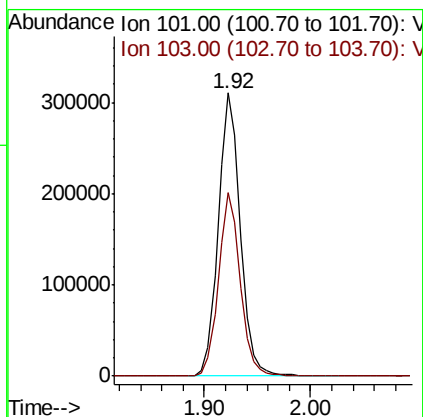
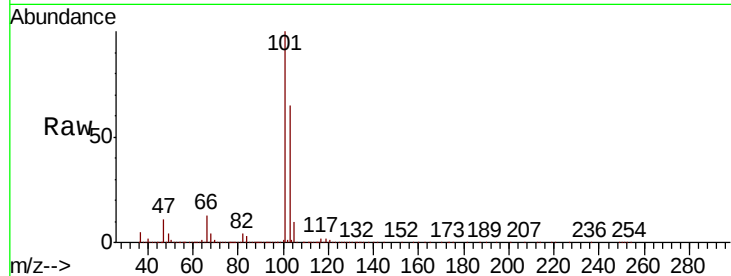


#7

Trichlorofluoromethane
 Concen: 152.249 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Instrument :
 MSVOA_X
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 VSTDIC150

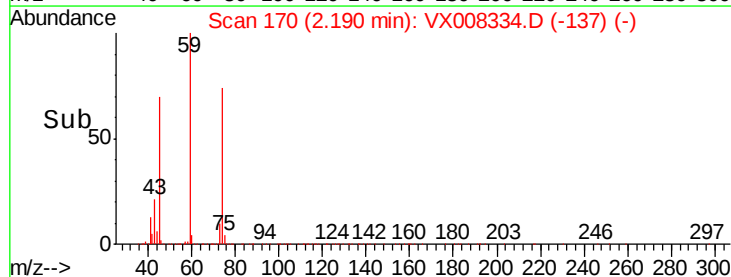
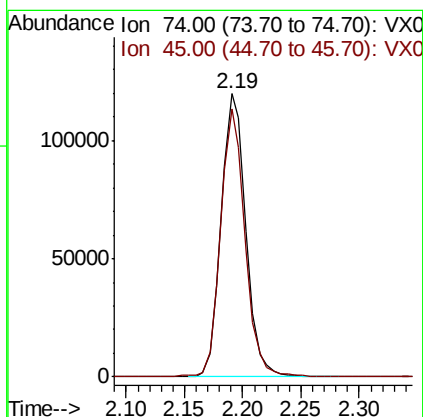
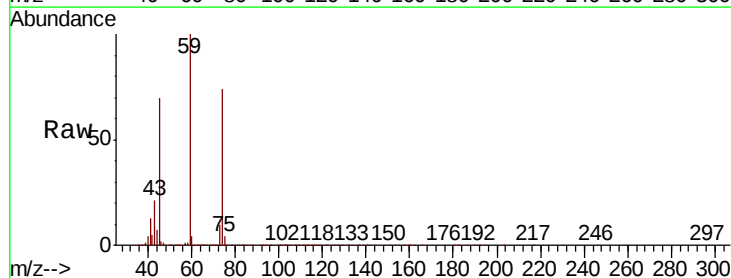
Tgt Ion: 101 Resp: 445512
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.4 75.6

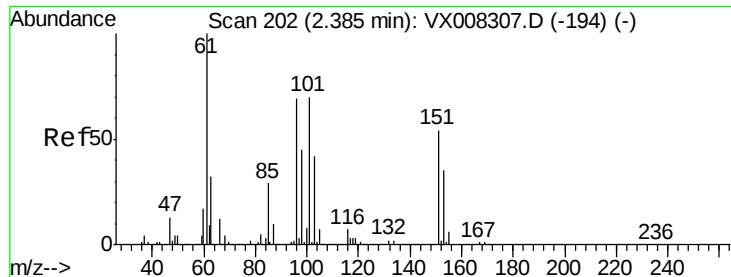


#8

Diethyl Ether
 Concen: 153.655 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 74 Resp: 174379
 Ion Ratio Lower Upper
 74 100
 45 93.0 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 148.642 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

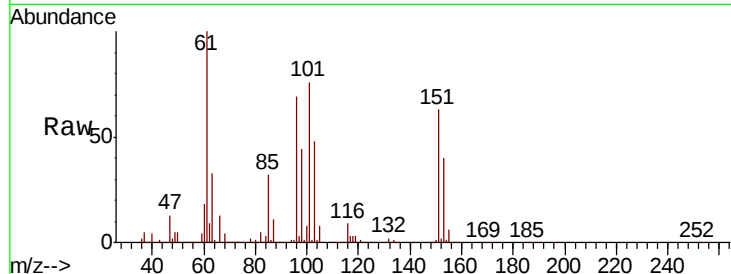
Tgt Ion: 101 Resp: 240551

Ion Ratio Lower Upper

101 100

85 42.9 0.0 86.8

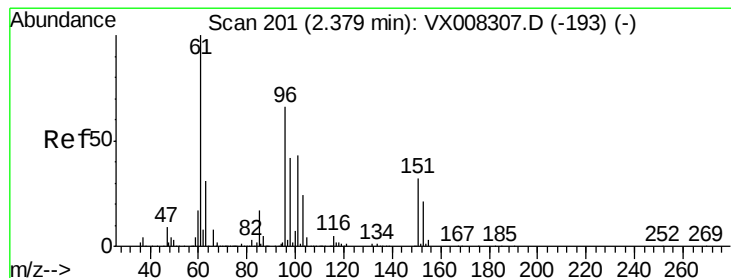
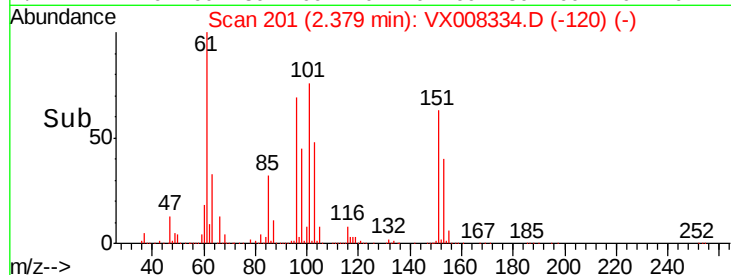
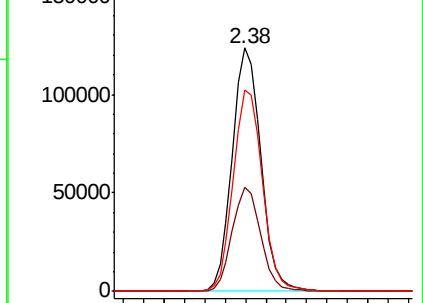
151 84.6 0.0 169.2



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: 152.741 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

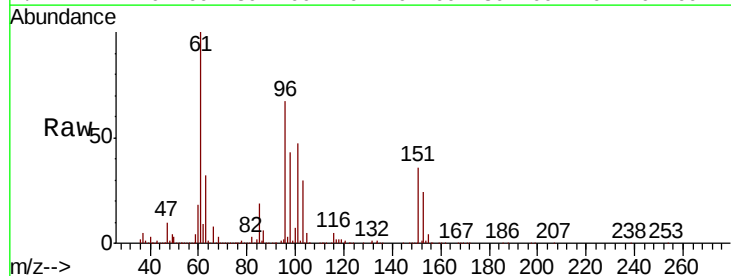
Tgt Ion: 96 Resp: 243990

Ion Ratio Lower Upper

96 100

61 148.7 120.2 180.2

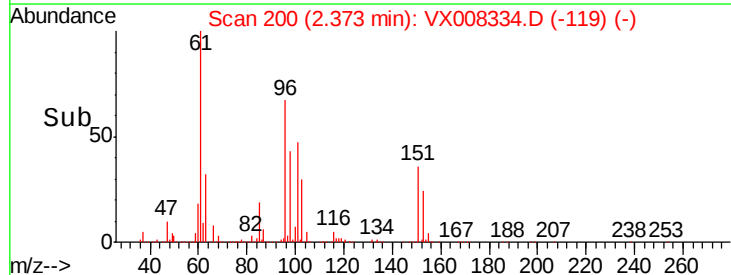
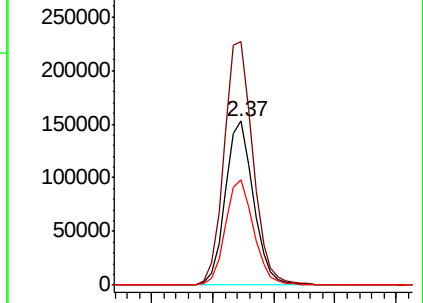
98 64.5 49.0 73.4

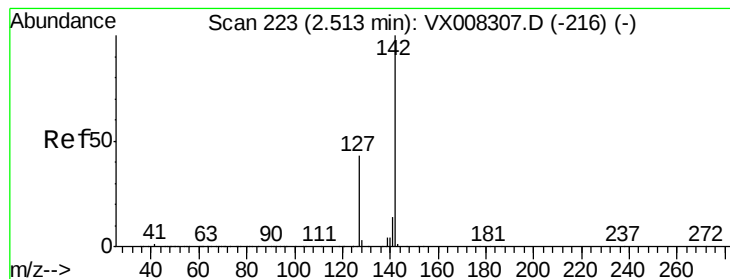


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methyl Iodide

Concen: 159.143 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

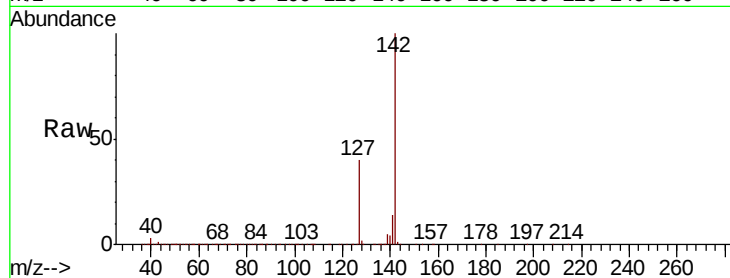
Tgt Ion:142 Resp: 384286

Ion Ratio Lower Upper

142 100

127 40.1 22.1 66.5

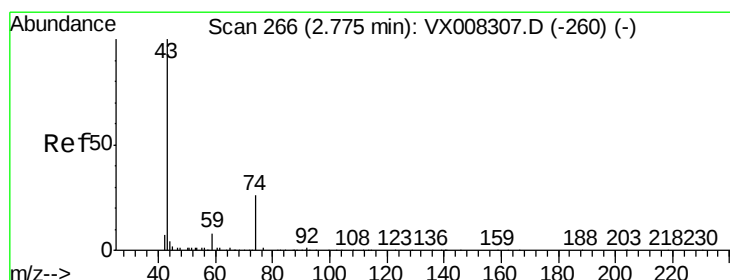
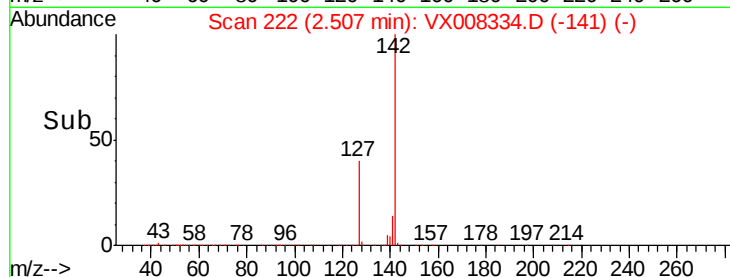
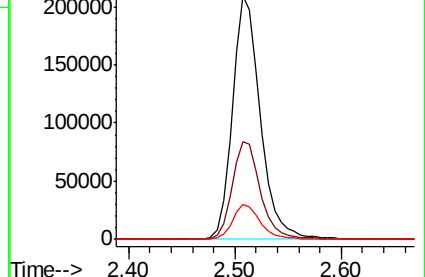
141 14.4 7.4 22.3



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 153.795 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008334.D

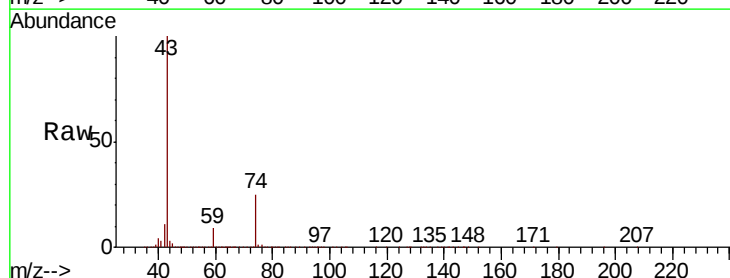
Acq: 22 Mar 2019 12:37

Tgt Ion: 43 Resp: 268077

Ion Ratio Lower Upper

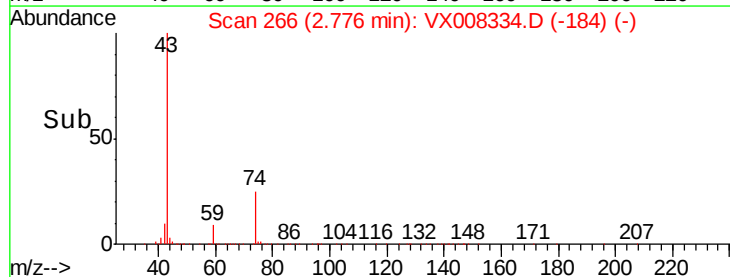
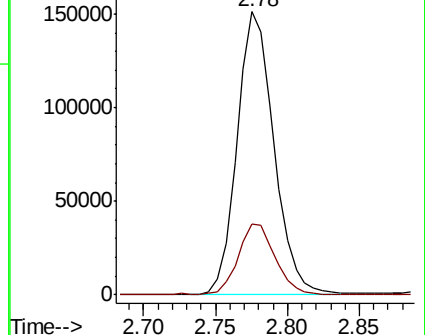
43 100

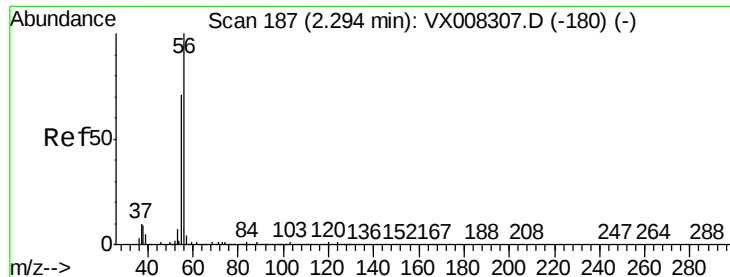
74 24.6 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 797.512 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

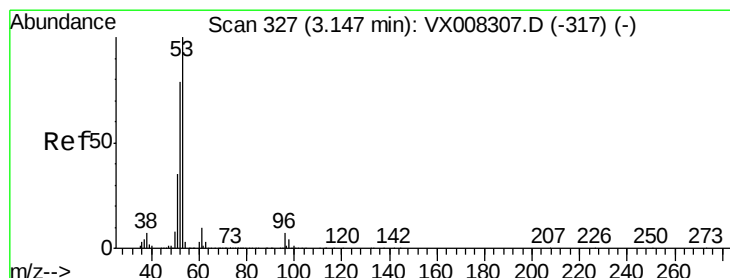
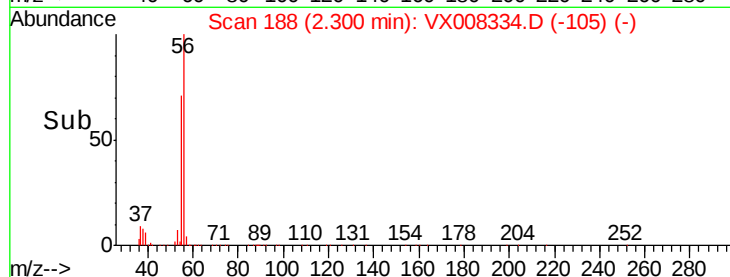
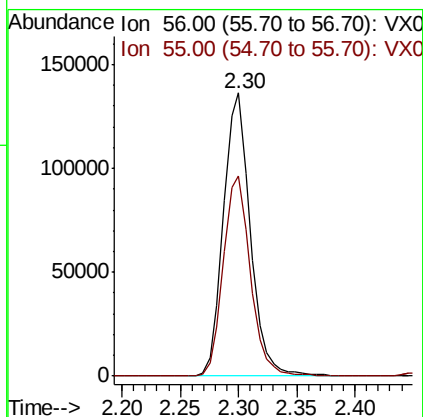
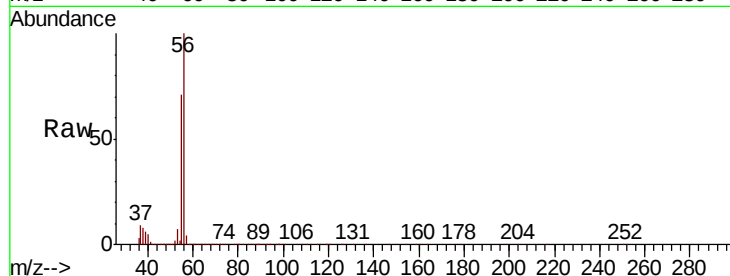
VSTDIC150

Tgt Ion: 56 Resp: 217773

Ion Ratio Lower Upper

56 100

55 71.3 58.6 87.8



#14

Acrylonitrile

Concen: 770.037 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

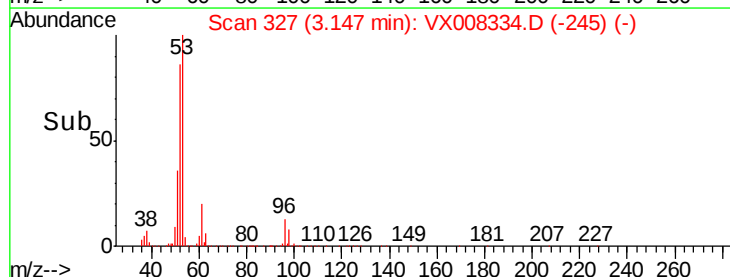
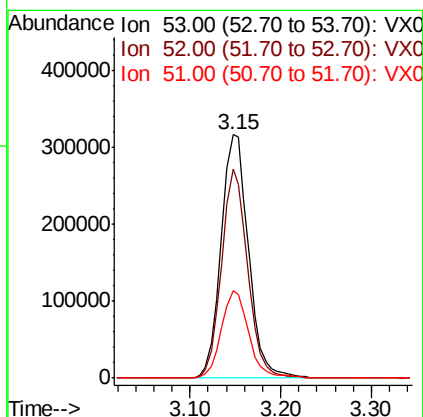
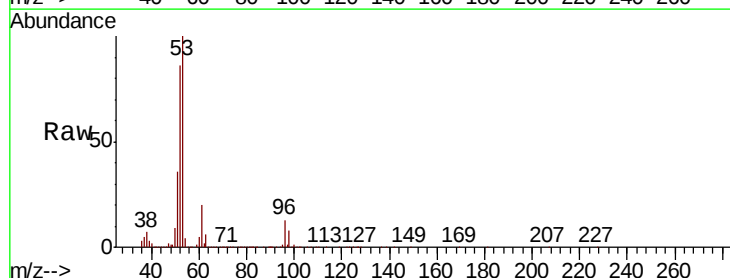
Tgt Ion: 53 Resp: 666111

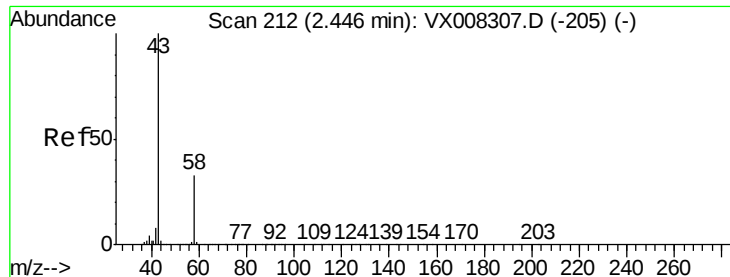
Ion Ratio Lower Upper

53 100

52 81.7 41.3 124.1

51 35.8 17.5 52.6





#15

Acetone

Concen: 651.664 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

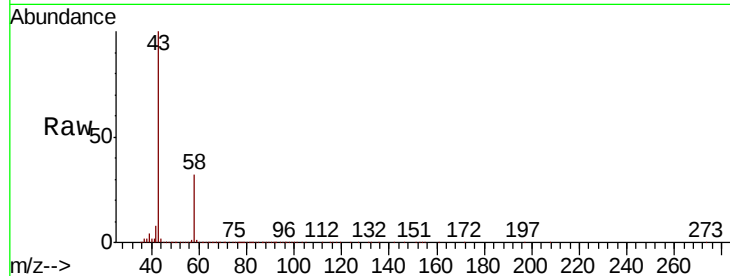
VSTDIC150

Tgt Ion: 58 Resp: 221053

Ion Ratio Lower Upper

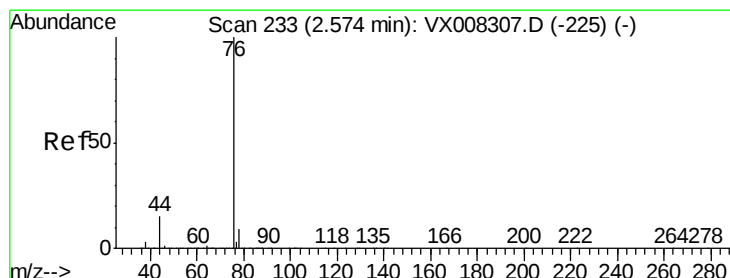
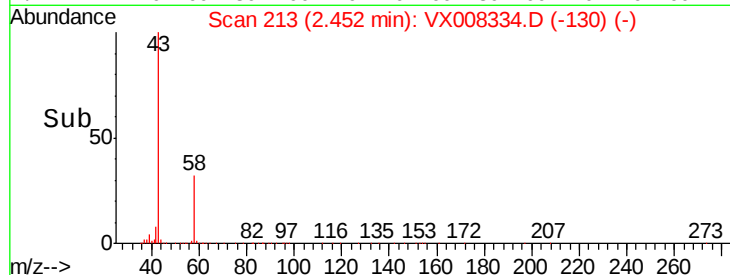
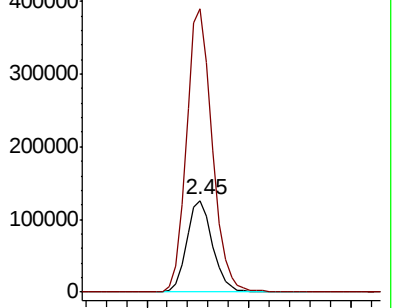
58 100

43 309.4 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 151.586 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008334.D

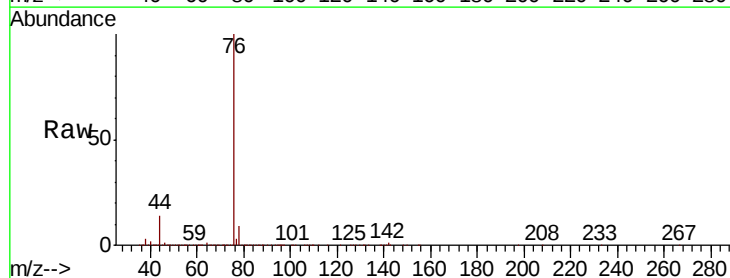
Acq: 22 Mar 2019 12:37

Tgt Ion: 76 Resp: 671400

Ion Ratio Lower Upper

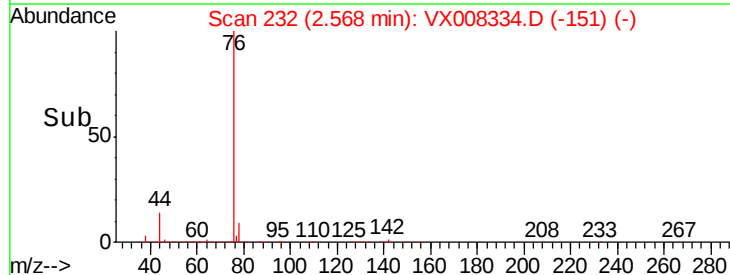
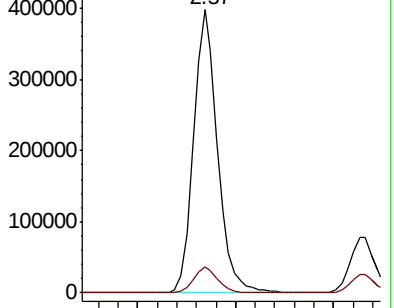
76 100

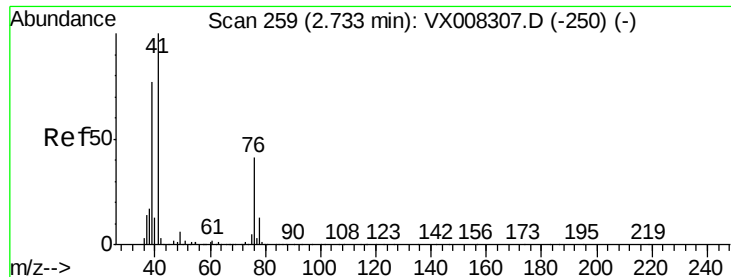
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

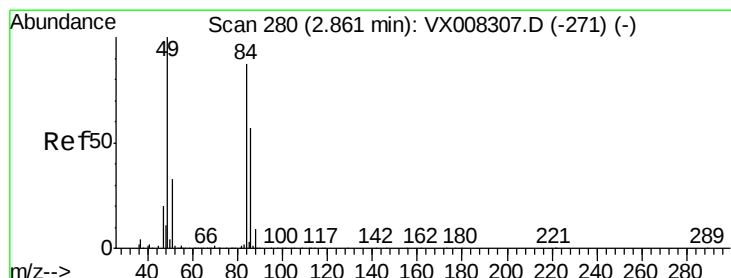
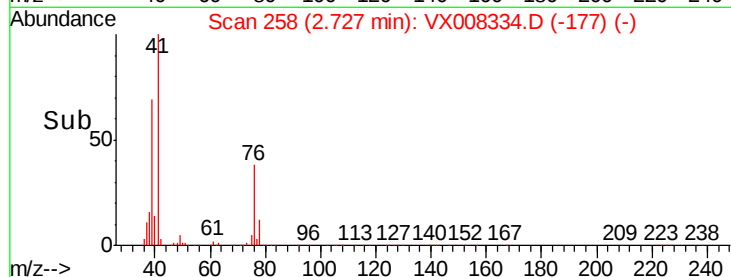
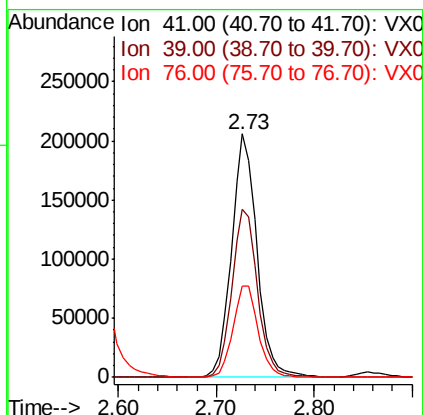
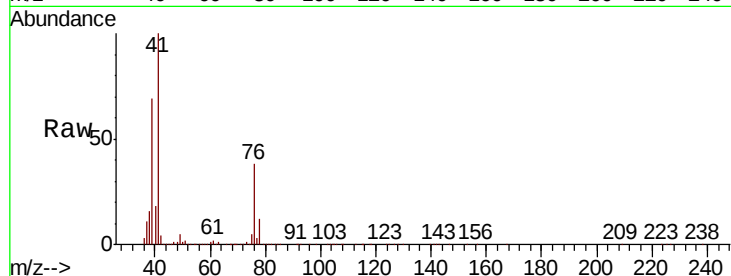




#17
 Allyl chloride
 Concen: 157.392 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

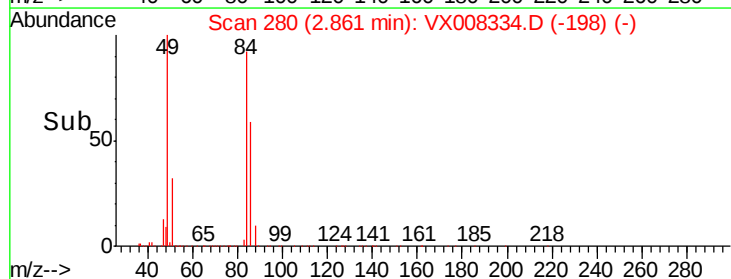
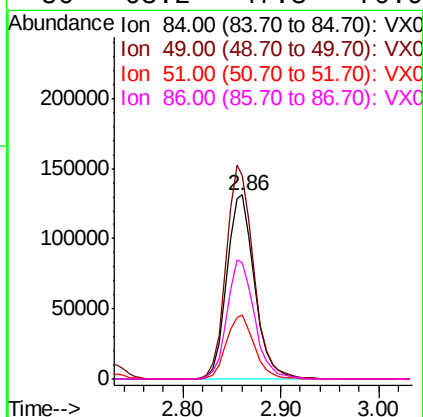
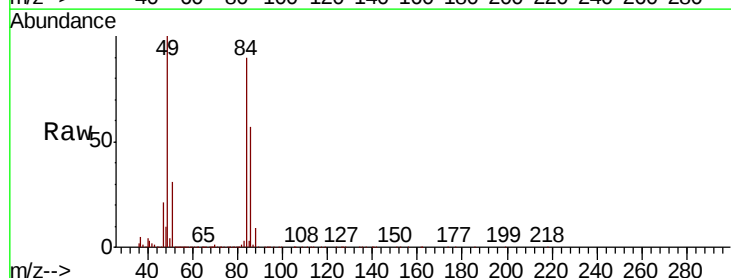
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

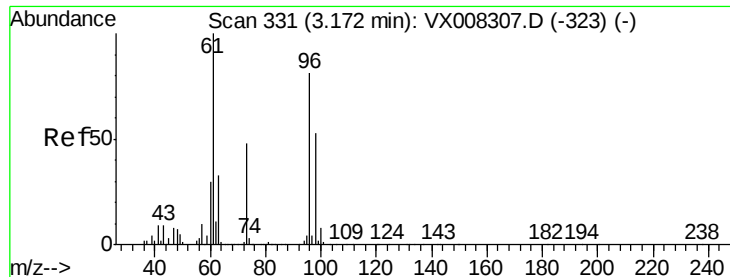
Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.2	35.8	107.4
76	37.5	18.3	54.9



#18
 Methylene Chloride
 Concen: 149.686 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.8	96.1	144.1
51	34.5	29.1	43.7
86	63.2	47.3	70.9

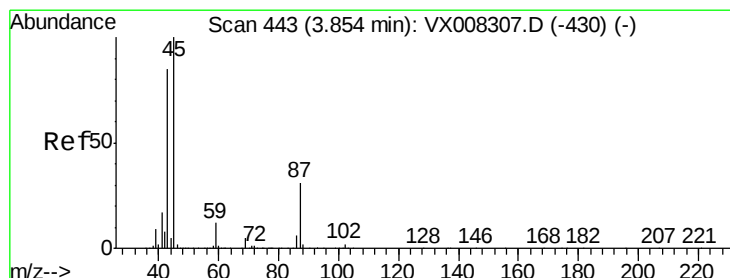
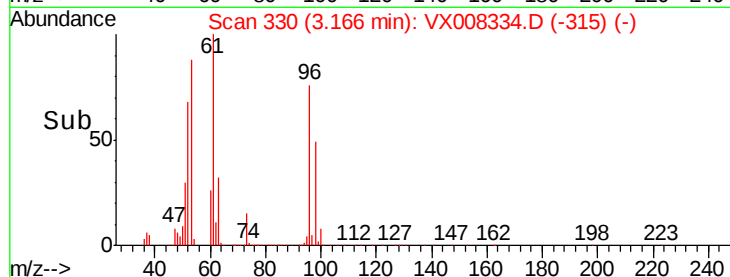
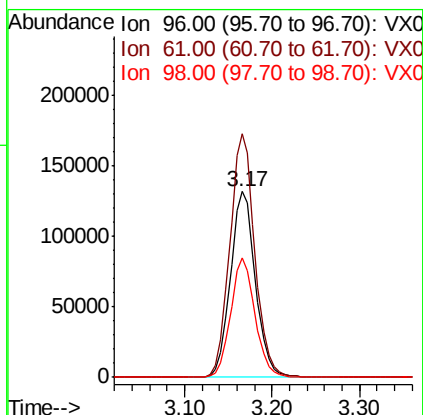
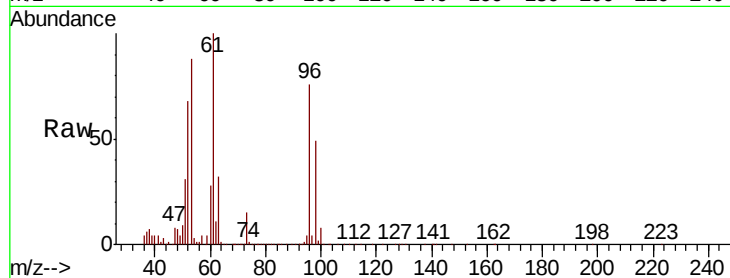




#19
trans-1,2-Dichloroethene
Concen: 154.585 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

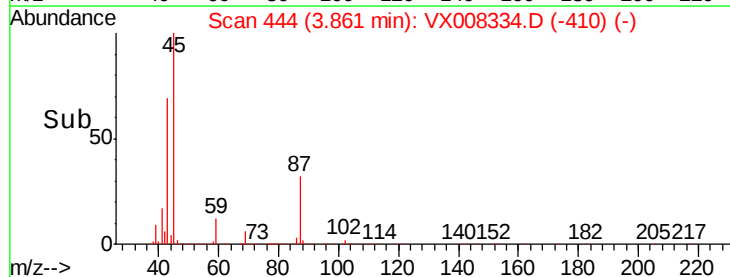
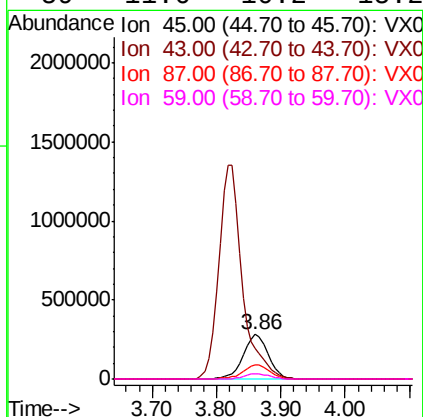
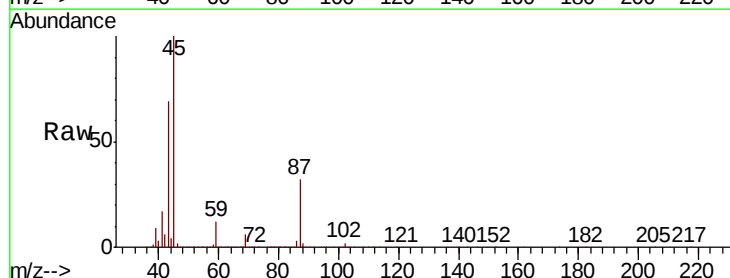
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

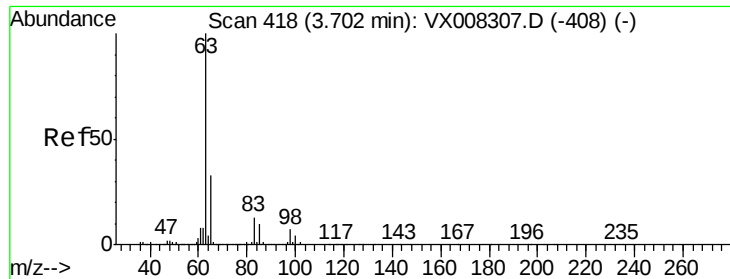
Tgt Ion: 96 Resp: 262126
Ion Ratio Lower Upper
96 100
61 131.1 109.9 164.9
98 64.0 50.4 75.6



#20
Diisopropyl ether
Concen: 152.792 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 45 Resp: 753062
Ion Ratio Lower Upper
45 100
43 69.2 50.6 76.0
87 31.8 24.5 36.7
59 11.6 10.2 15.2





#21

1,1-Dichloroethane

Concen: 152.601 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

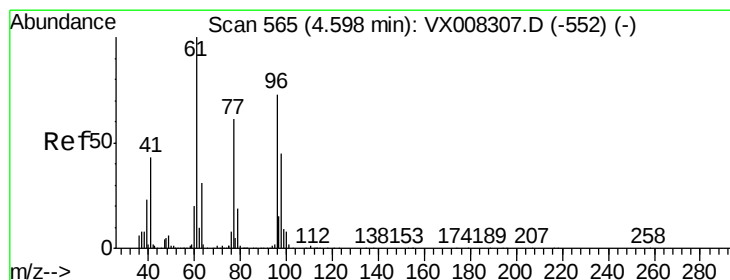
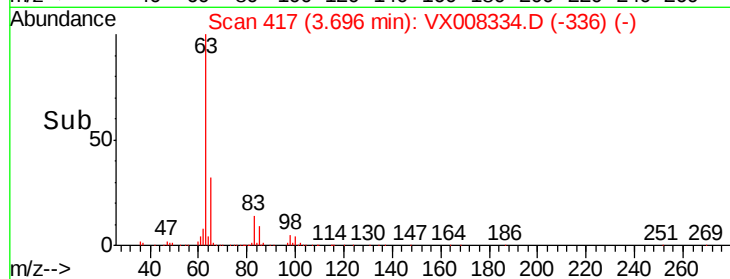
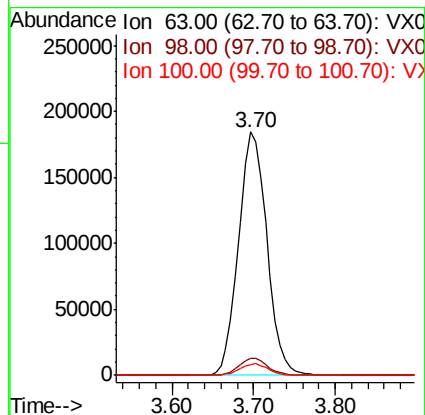
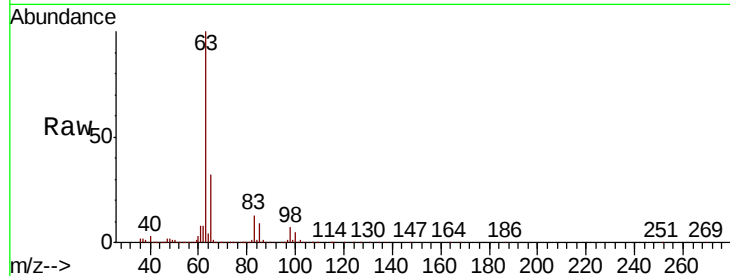
Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:	63	Resp:	444196
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.4
100	4.5	2.4	7.1



#22

cis-1,2-Dichloroethene

Concen: 153.550 ug/l

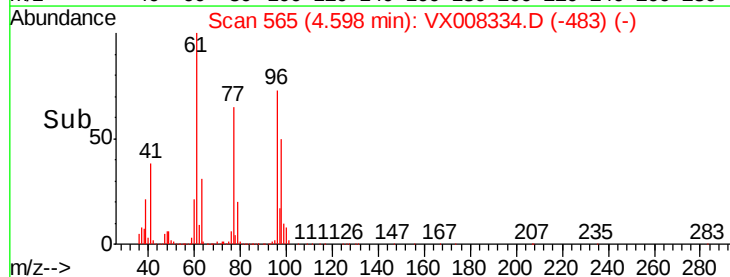
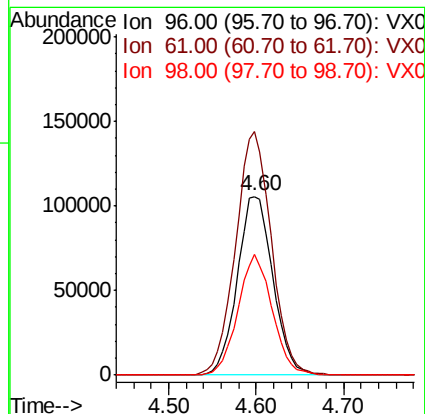
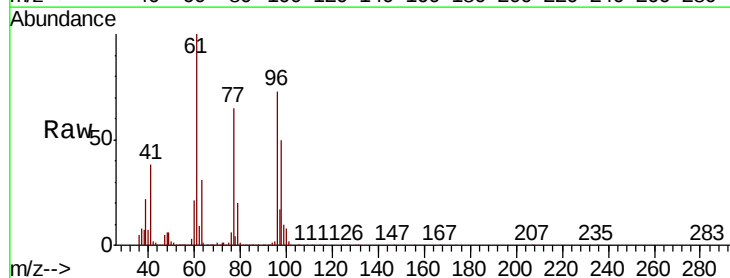
RT: 4.60 min Scan# 565

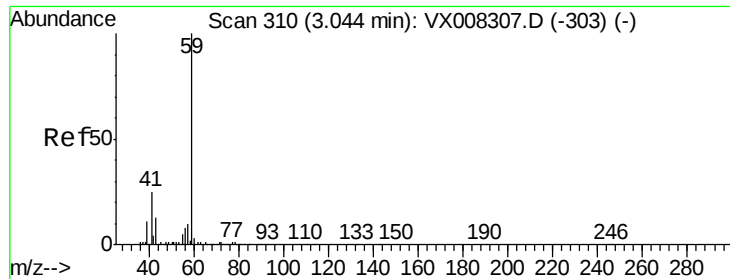
Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:	96	Resp:	300307
Ion	Ratio	Lower	Upper
96	100		
61	136.6	103.5	155.3
98	64.7	52.1	78.1

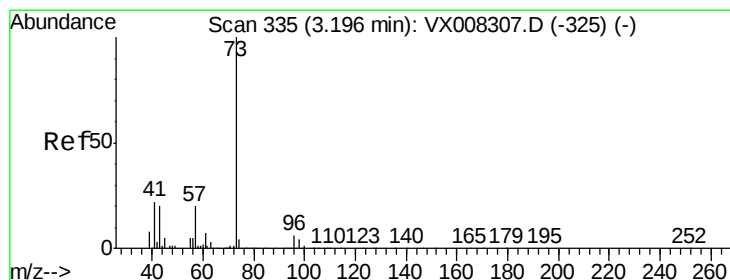
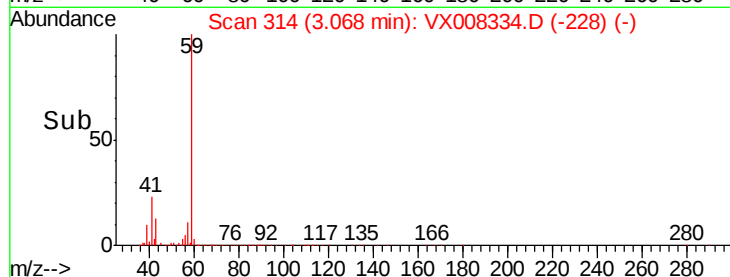
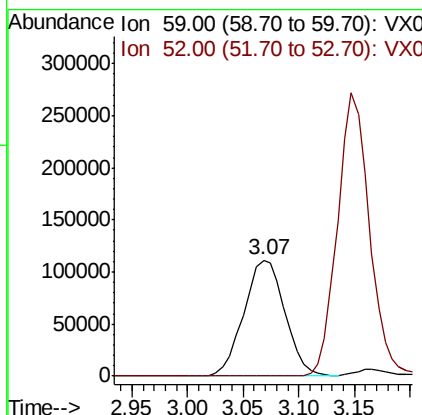
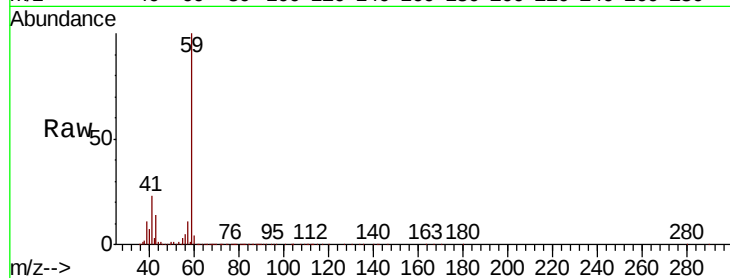




#23
 tert-Butyl Alcohol
 Concen: 812.250 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.02 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

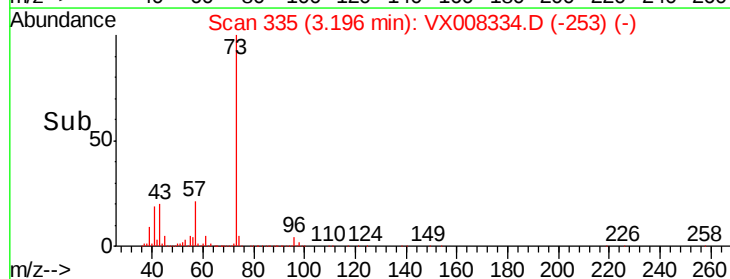
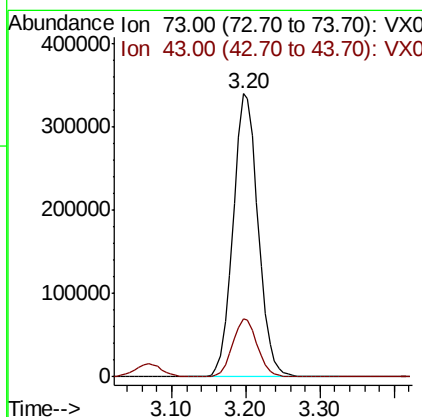
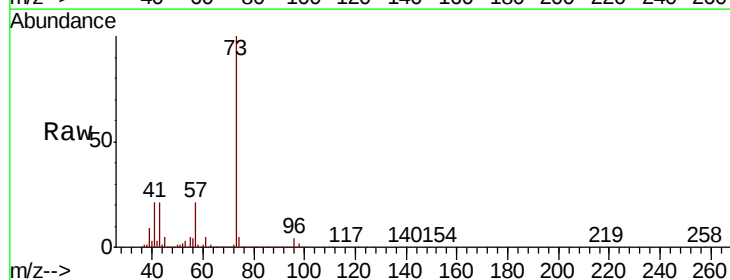
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

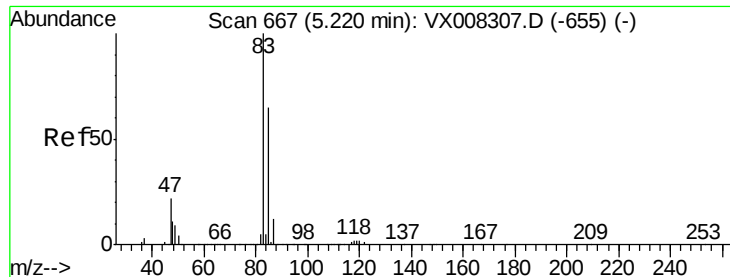
Tgt Ion: 59 Resp: 285242
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#



#24
 Methyl tert-Butyl Ether
 Concen: 155.581 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 73 Resp: 798439
 Ion Ratio Lower Upper
 73 100
 43 20.4 17.1 25.7





#25

Chloroform

Concen: 151.622 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

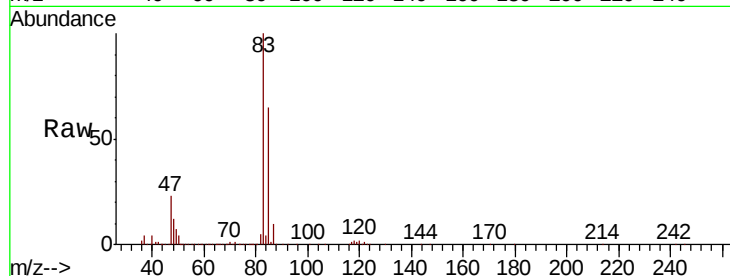
VSTDIC150

Tgt Ion: 83 Resp: 468174

Ion Ratio Lower Upper

83 100

85 64.6 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VX008307.D (-655) (-)

Ion 85.00 (84.70 to 85.70): VX008307.D (-655) (-)

5.21

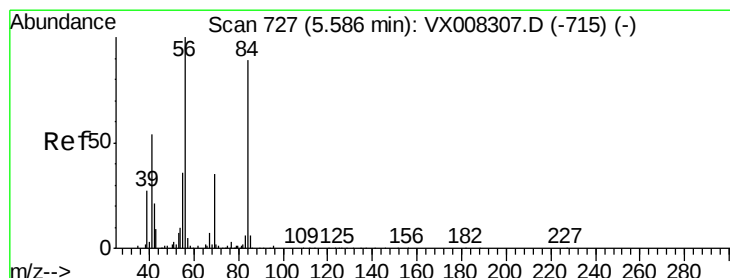
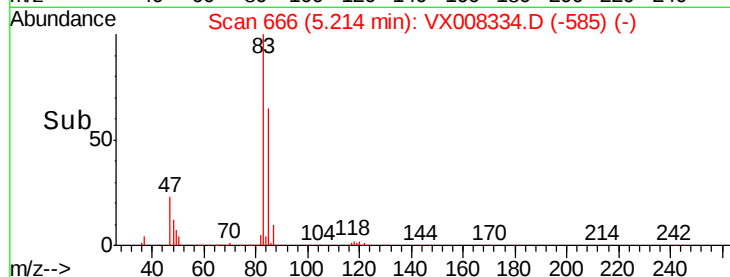
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 153.159 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

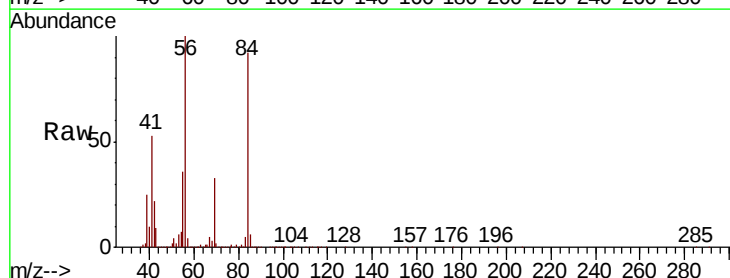
Tgt Ion: 56 Resp: 394274

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 92.1 73.9 110.9



Abundance Ion 56.00 (55.70 to 56.70): VX008307.D (-715) (-)

Ion 89.00 (88.70 to 89.70): VX008307.D (-715) (-)

Ion 84.00 (83.70 to 84.70): VX008307.D (-715) (-)

200000

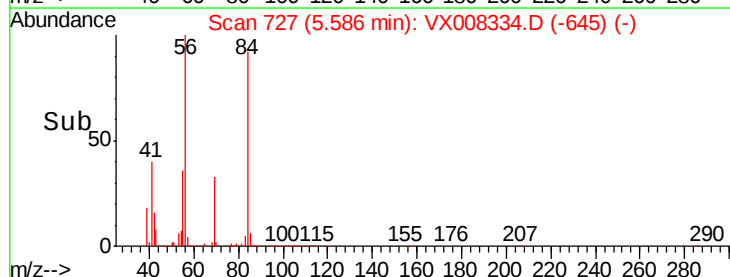
150000

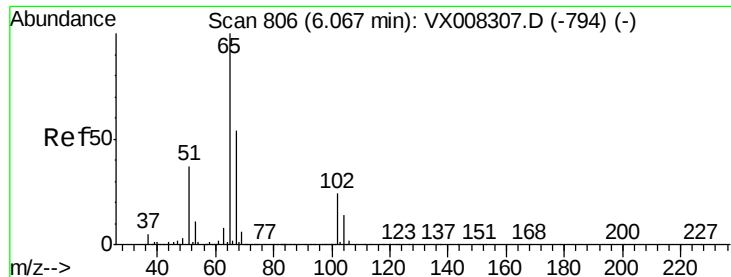
100000

50000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 30.650 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

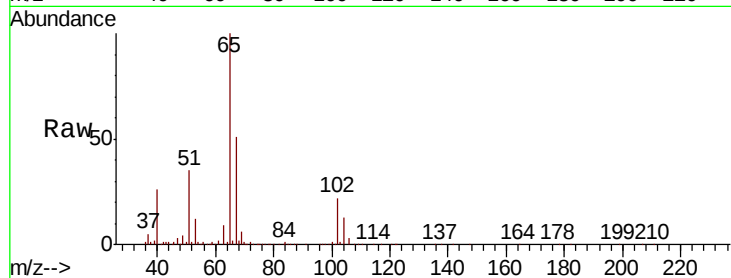
VSTDIC150

Tgt Ion: 65 Resp: 62265

Ion Ratio Lower Upper

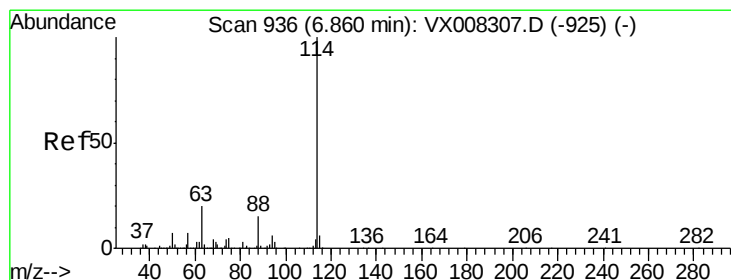
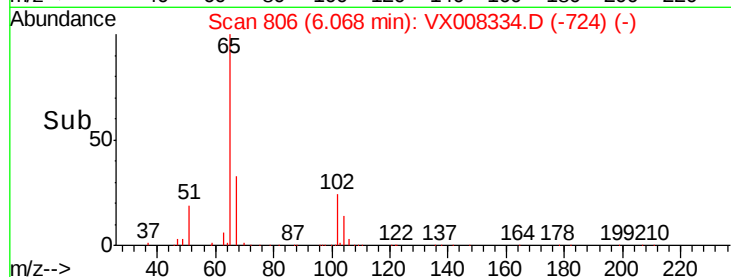
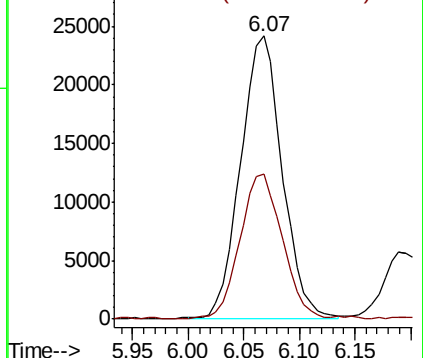
65 100

67 52.2 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

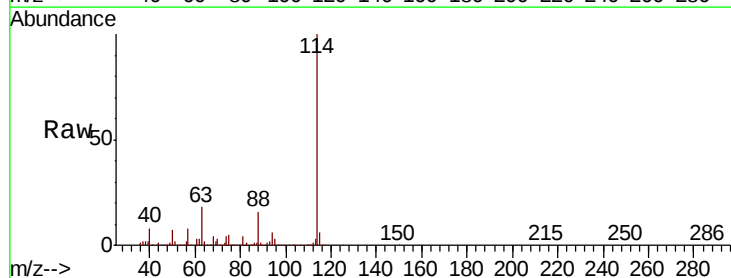
Tgt Ion: 114 Resp: 167161

Ion Ratio Lower Upper

114 100

63 18.3 14.2 21.4

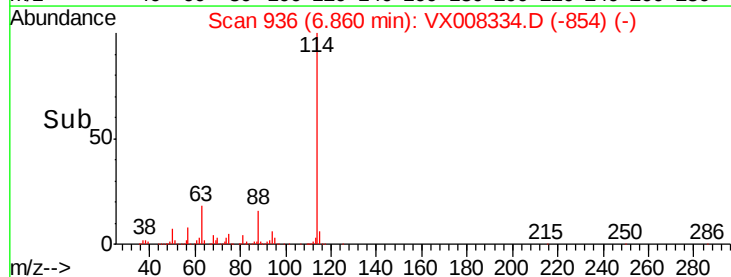
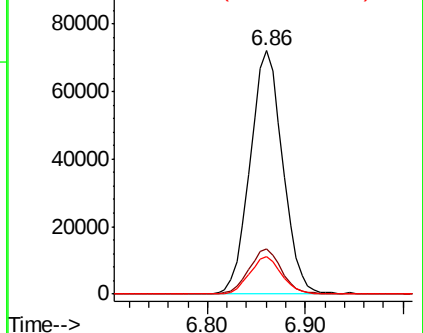
88 15.3 11.9 17.9

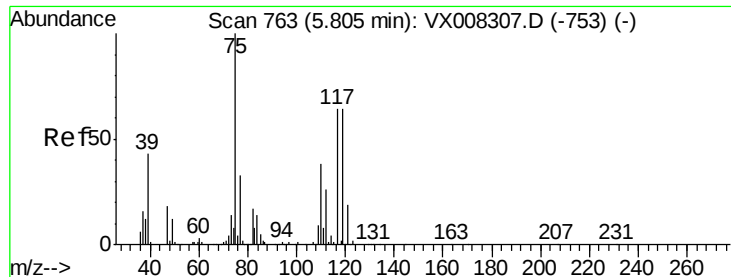


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 146.648 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

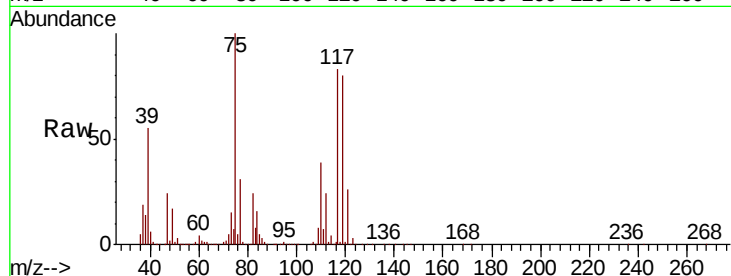
Tgt Ion: 75 Resp: 348171

Ion Ratio Lower Upper

75 100

110 39.3 0.0 80.8

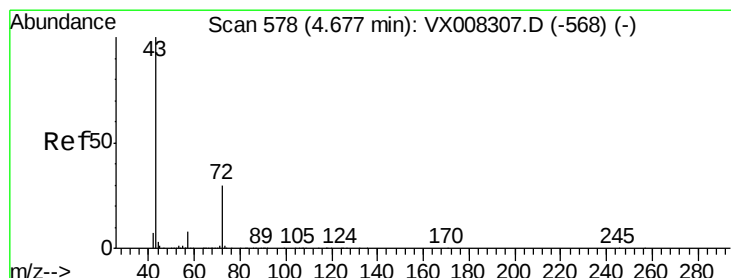
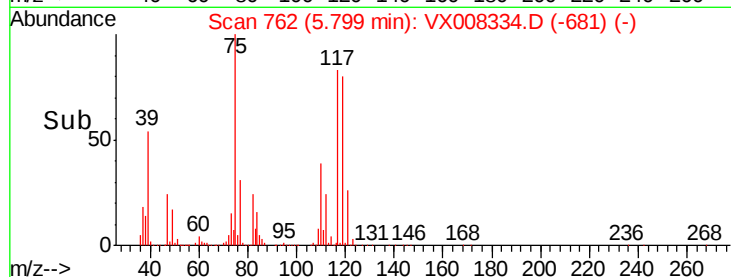
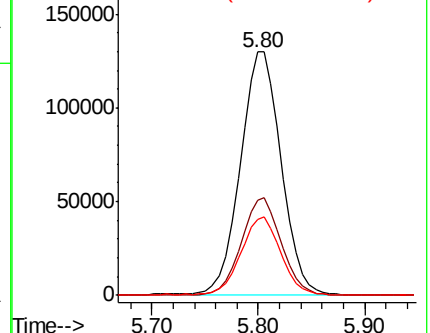
77 31.4 0.0 62.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 695.037 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

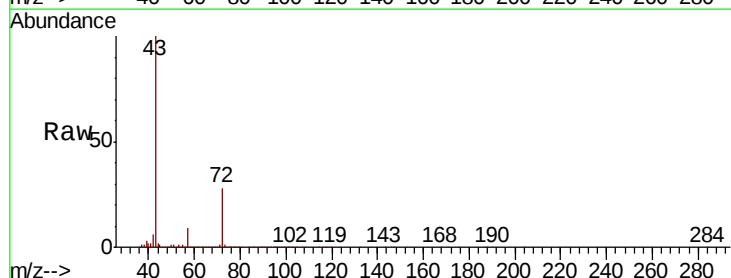
Tgt Ion: 43 Resp: 950463

Ion Ratio Lower Upper

43 100

57 8.6 7.0 10.6

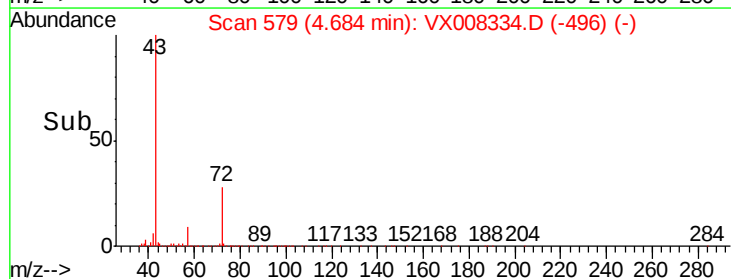
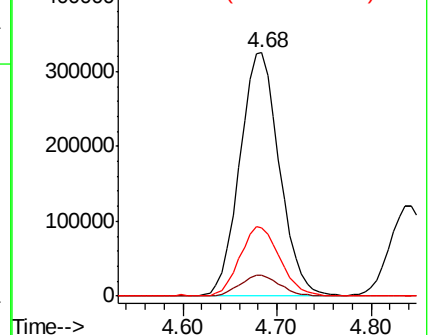
72 28.7 21.5 32.3

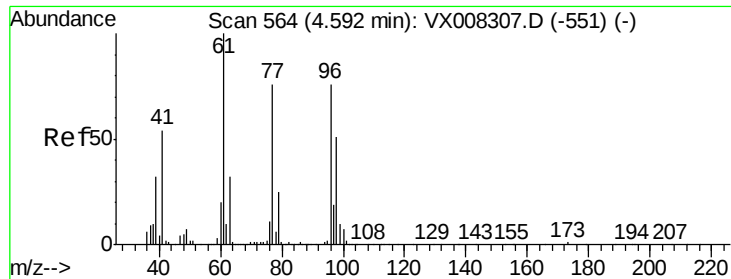


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

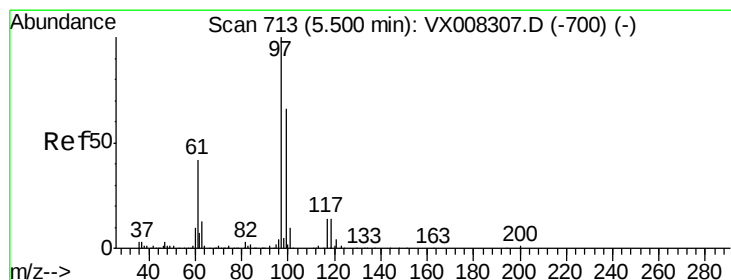
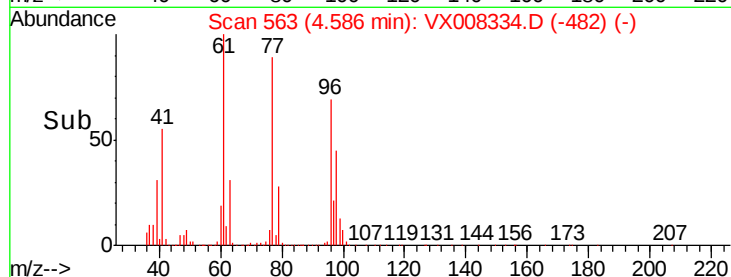
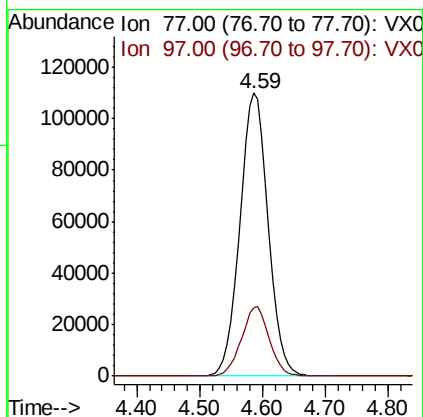
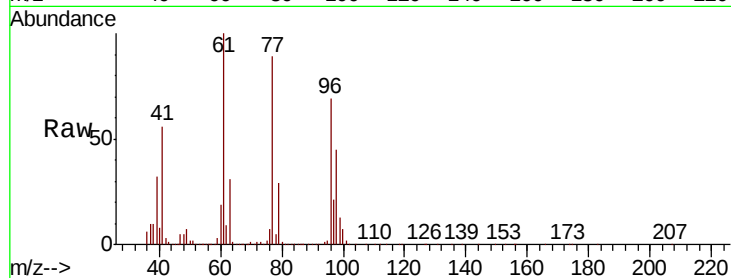




#31
 2,2-Dichloropropane
 Concen: 153.002 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

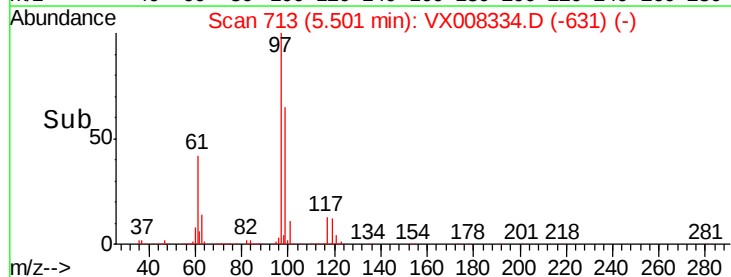
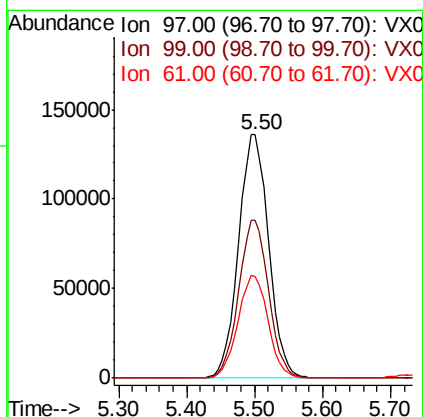
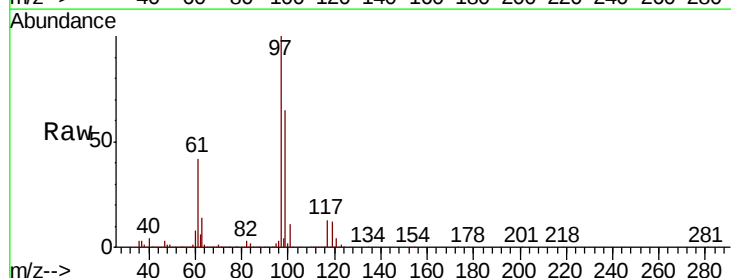
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

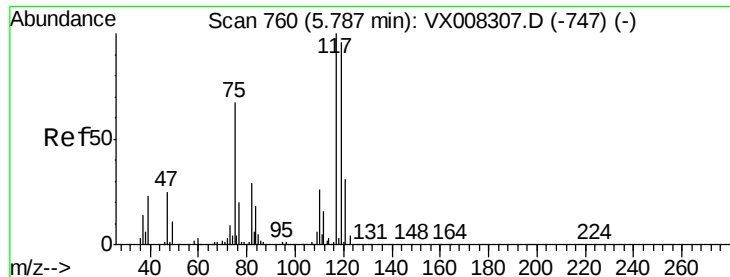
Tgt Ion: 77 Resp: 342006
 Ion Ratio Lower Upper
 77 100
 97 24.2 20.6 31.0



#32
 1,1,1-Trichloroethane
 Concen: 149.624 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 97 Resp: 417978
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 42.2 32.8 49.2

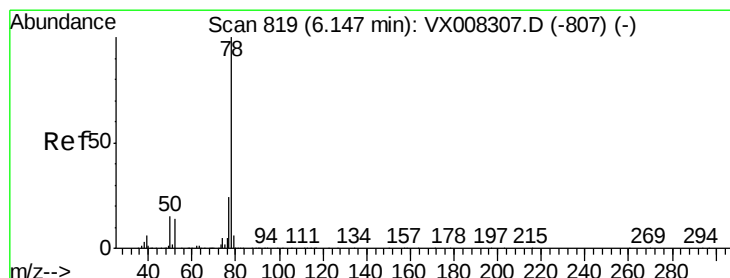
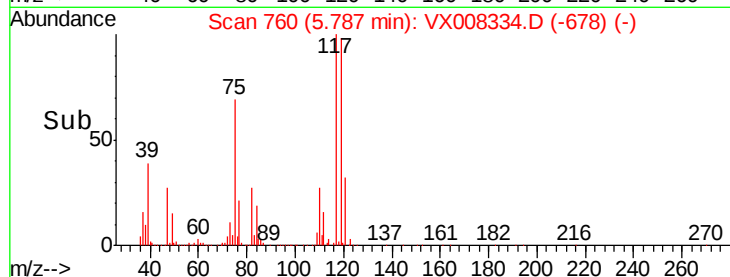
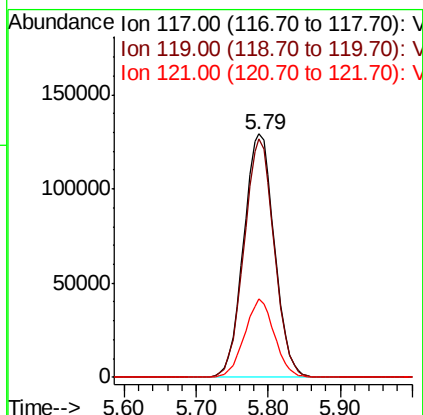
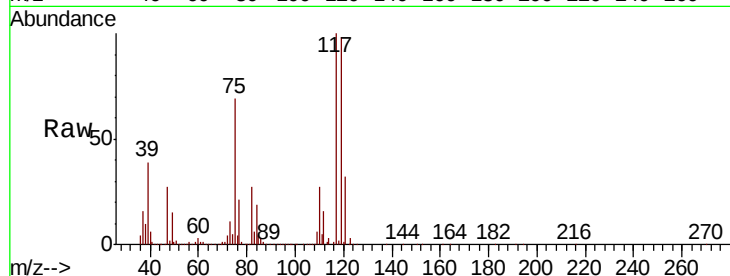




#33
Carbon Tetrachloride
Concen: 149.375 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

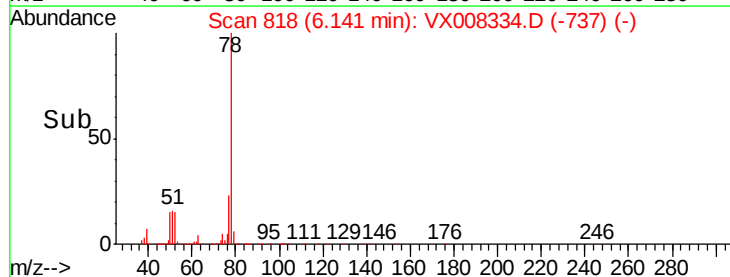
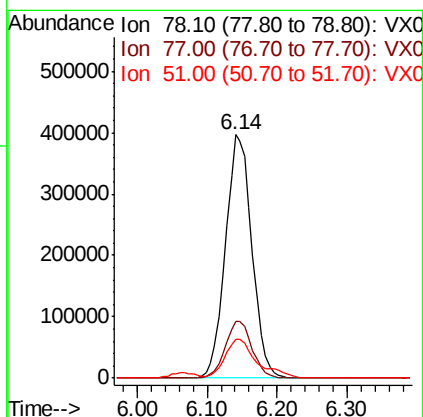
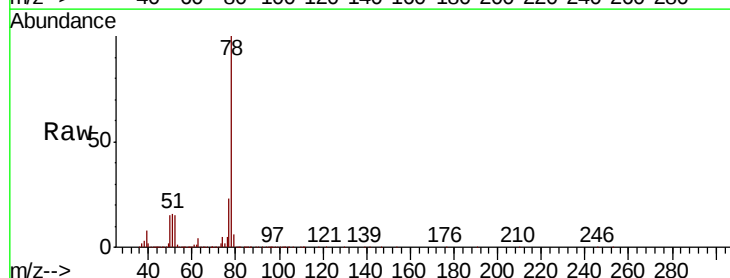
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

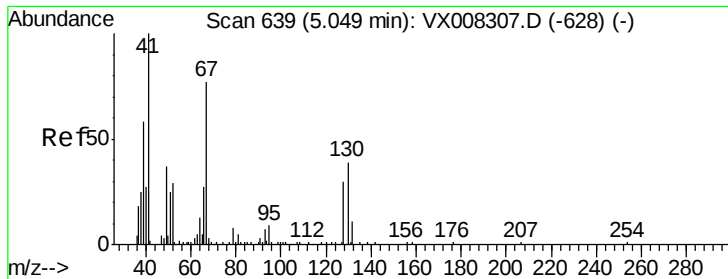
Tgt Ion:117 Resp: 383228
Ion Ratio Lower Upper
117 100
119 97.9 78.1 117.1
121 32.1 27.0 40.6



#34
Benzene
Concen: 146.397 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 78 Resp: 1035346
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7
51 15.7 10.8 16.2

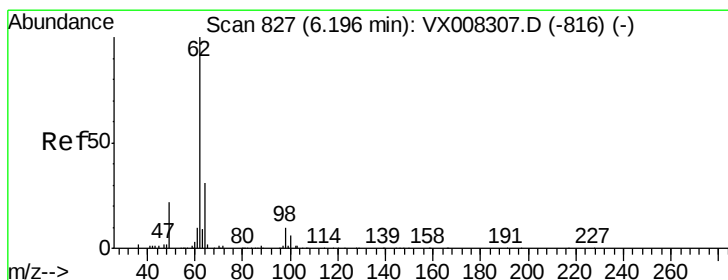
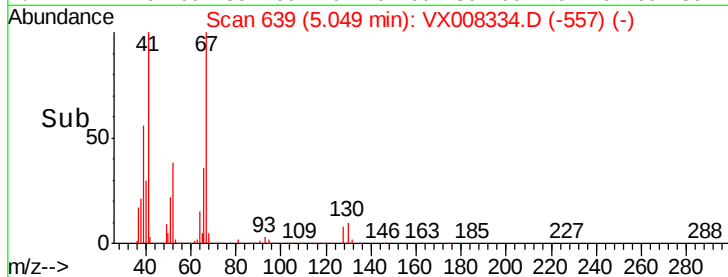
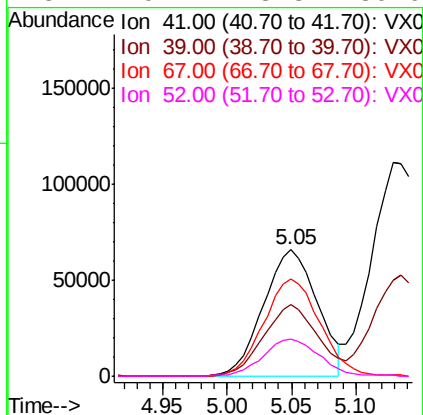
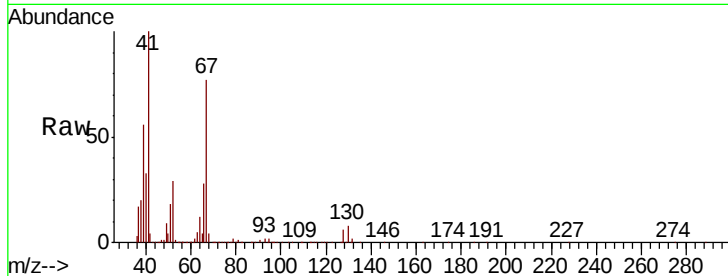




#35
Methacrylonitrile
Concen: 149.523 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

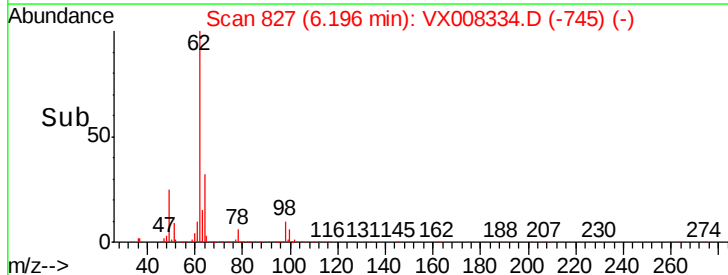
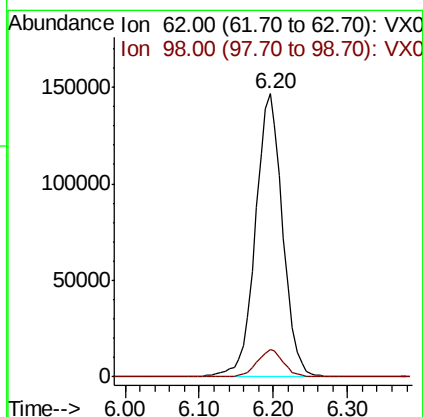
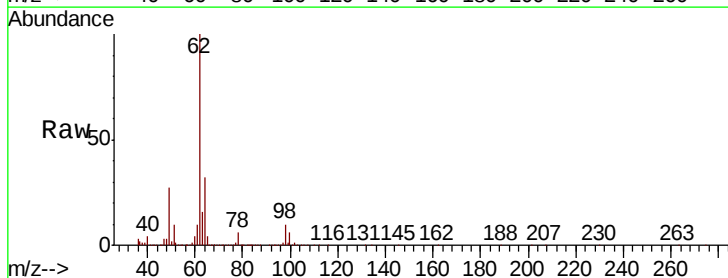
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

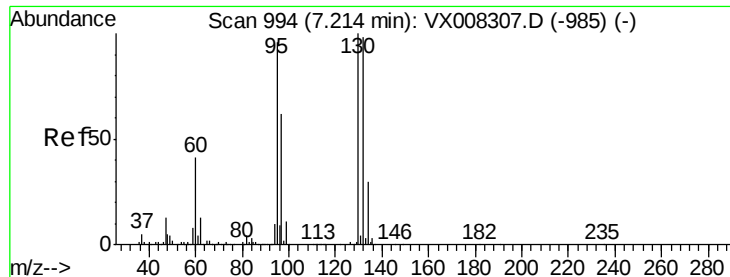
Tgt Ion:	41	Resp:	190463
Ion	Ratio	Lower	Upper
41	100		
39	56.3	27.4	82.0
67	76.8	37.9	113.6
52	29.2	13.3	39.9



#36
1,2-Dichloroethane
Concen: 143.714 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion:	62	Resp:	374619
Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.8	11.8

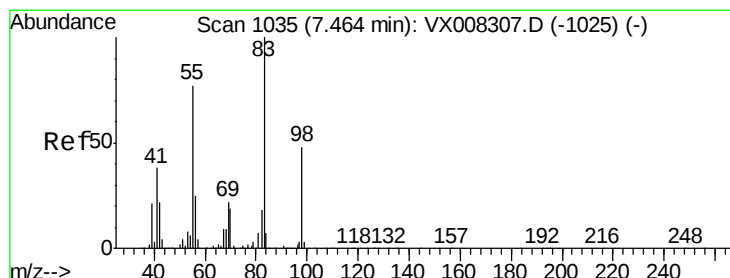
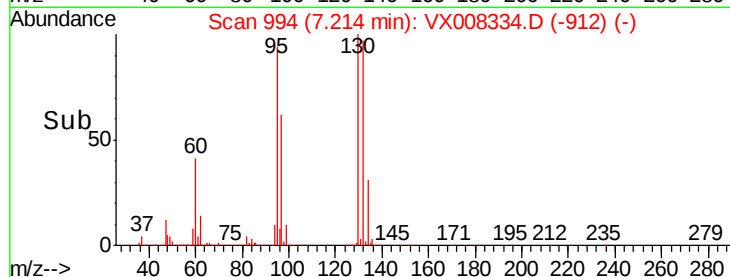
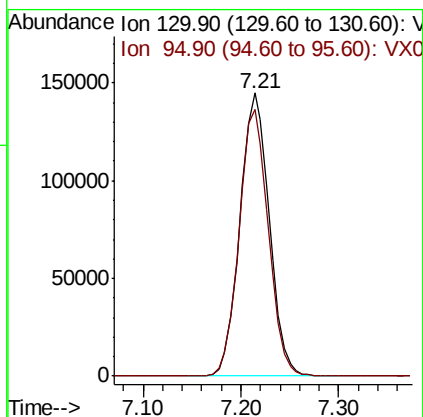
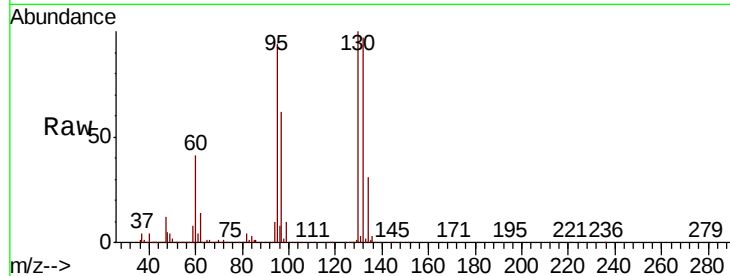




#37
 Trichloroethene
 Concen: 144.814 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

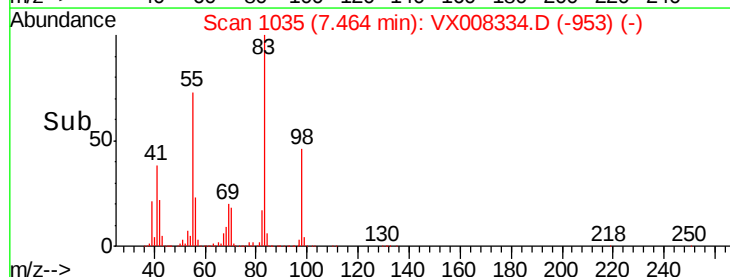
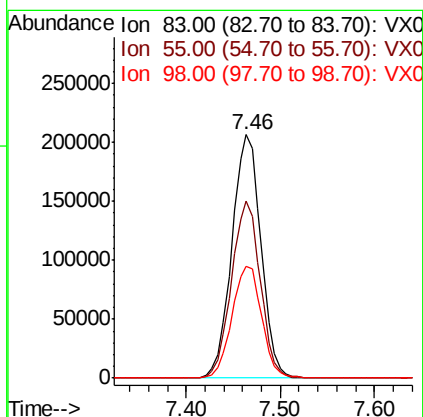
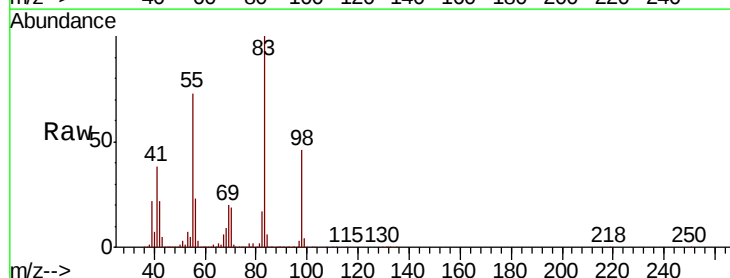
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

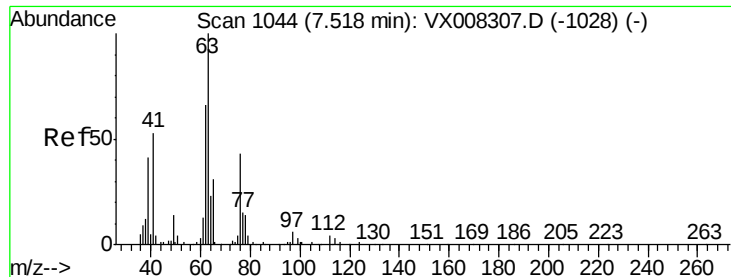
Tgt Ion:130 Resp: 301117
 Ion Ratio Lower Upper
 130 100
 95 94.1 71.3 106.9



#38
 Methylcyclohexane
 Concen: 148.661 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 83 Resp: 442350
 Ion Ratio Lower Upper
 83 100
 55 71.8 36.0 108.0
 98 47.0 23.8 71.4

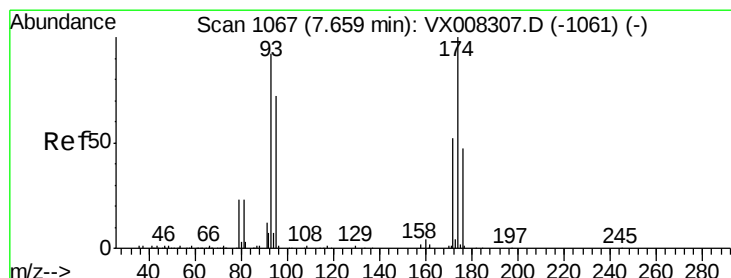
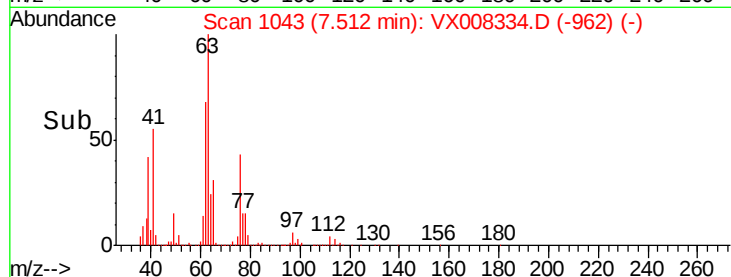
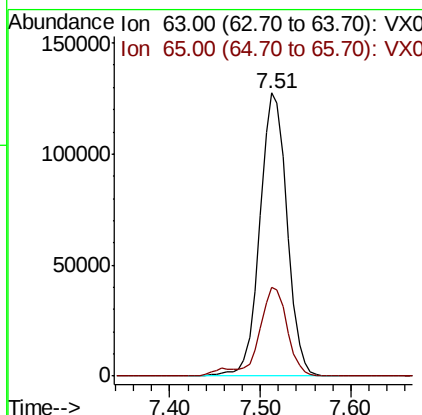
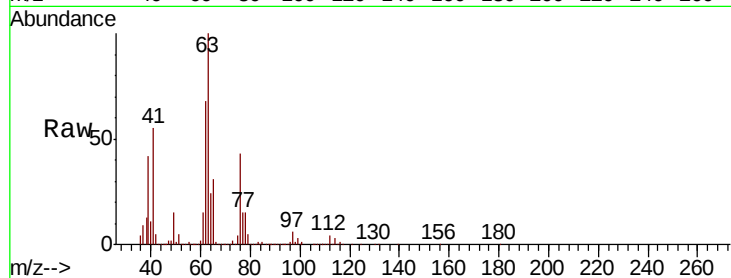




#39
 1,2-Dichloropropane
 Concen: 146.564 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

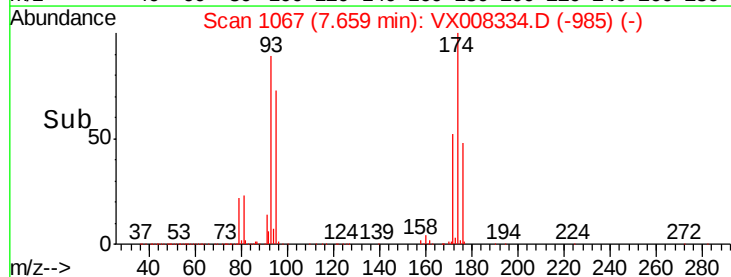
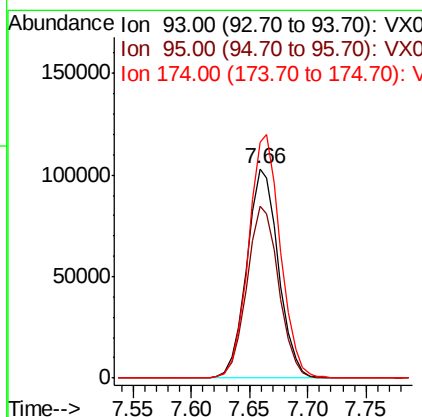
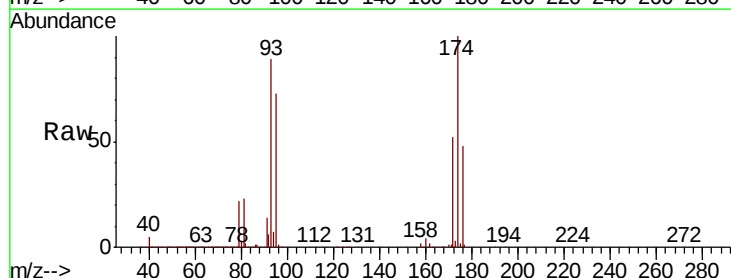
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

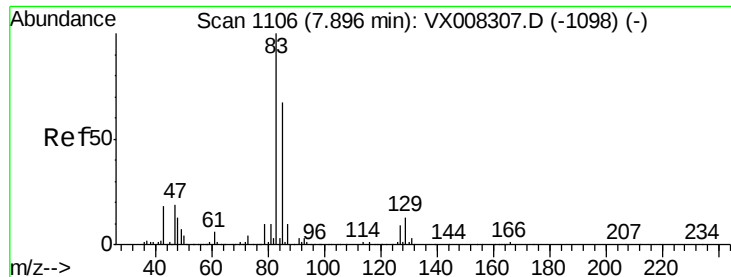
Tgt Ion: 63 Resp: 263745
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 37.0



#40
 Dibromomethane
 Concen: 147.701 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 93 Resp: 194941
 Ion Ratio Lower Upper
 93 100
 95 82.4 0.0 158.8
 174 117.0 0.0 224.2





#41

Bromodichloromethane

Concen: 151.138 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

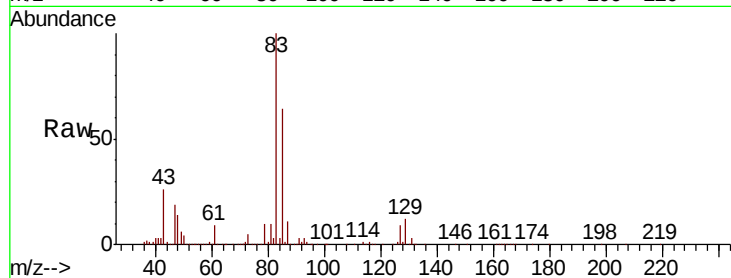
Tgt Ion: 83 Resp: 378513

Ion Ratio Lower Upper

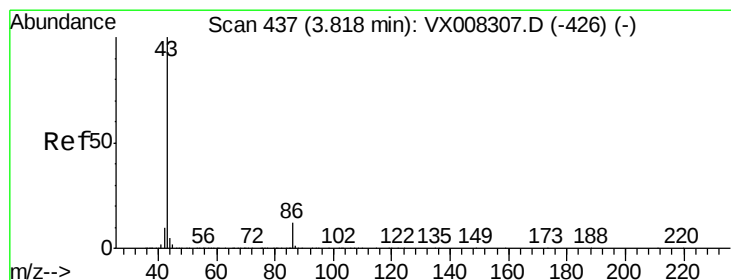
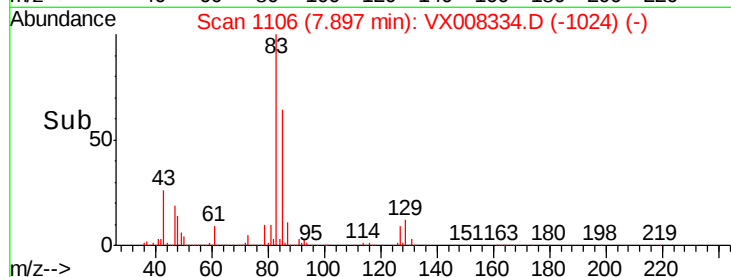
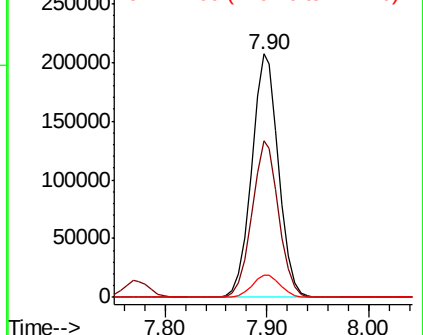
83 100

85 64.1 51.1 76.7

127 9.3 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: 756.109 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008334.D

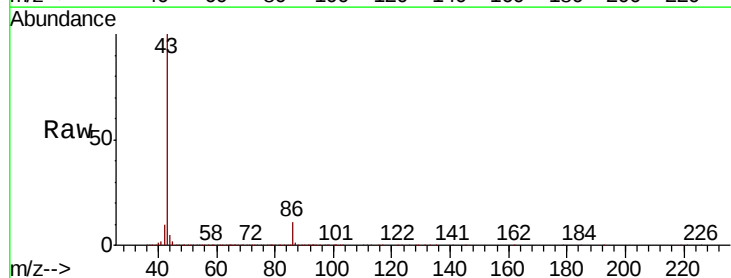
Acq: 22 Mar 2019 12:37

Tgt Ion: 43 Resp: 3475326

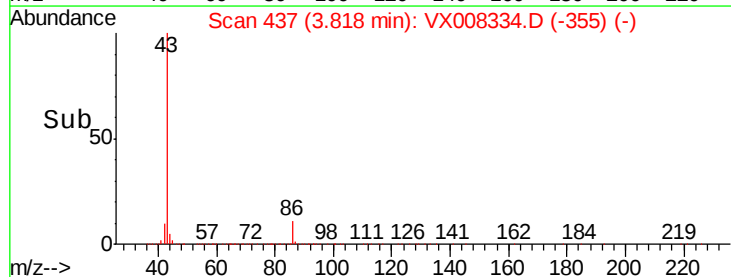
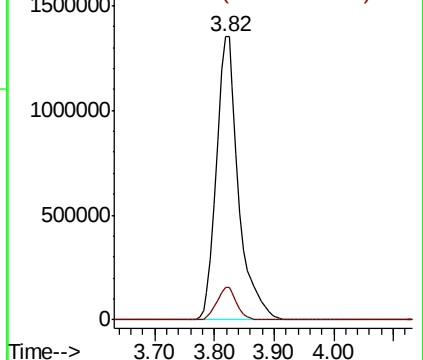
Ion Ratio Lower Upper

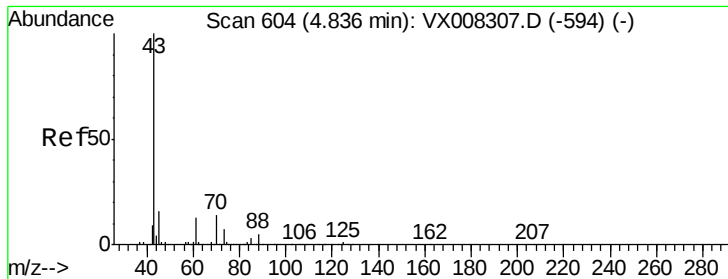
43 100

86 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

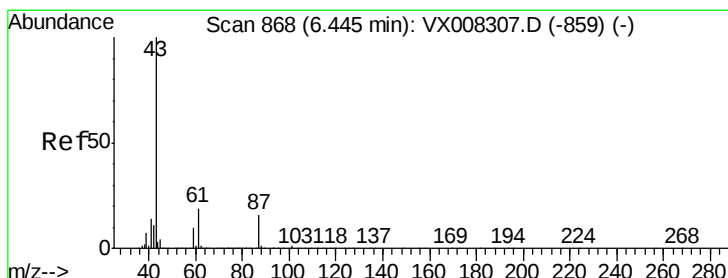
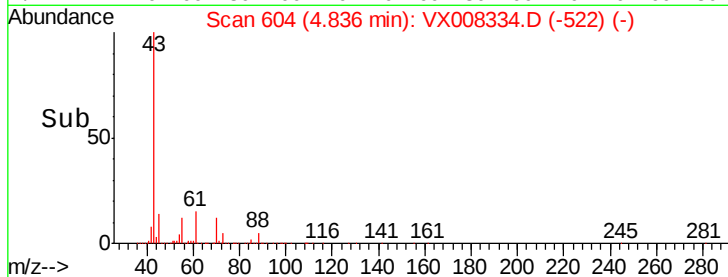
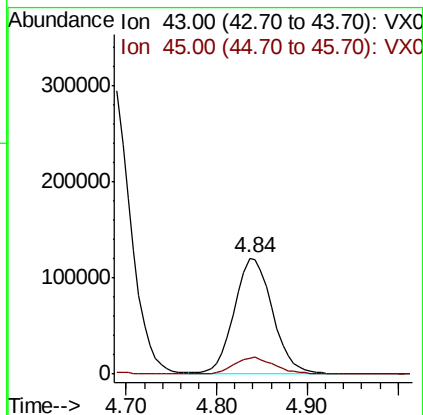
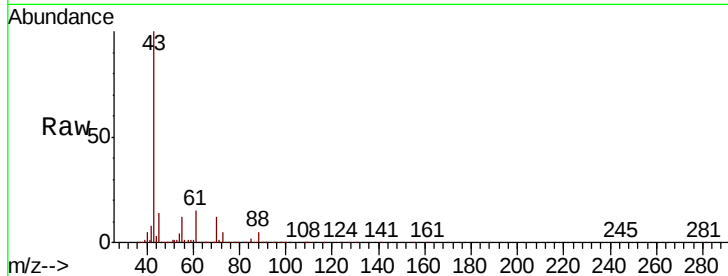




#43
Ethyl Acetate
Concen: 146.735 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

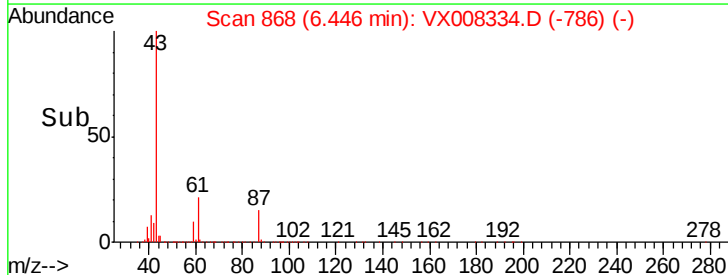
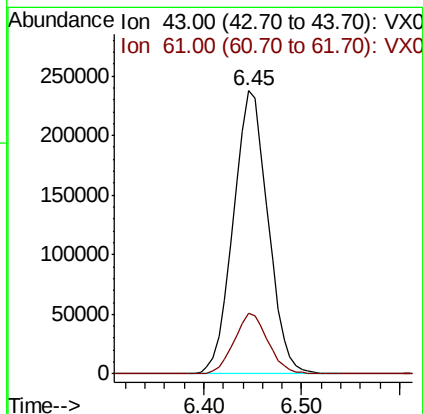
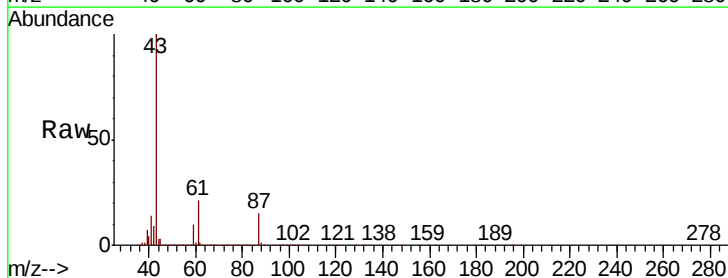
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

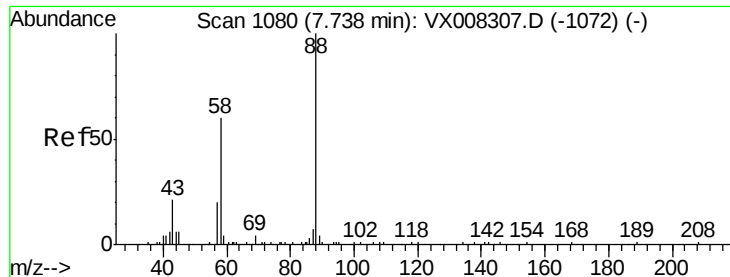
Tgt Ion: 43 Resp: 354396
Ion Ratio Lower Upper
43 100
45 15.2 6.9 10.3#



#44
Isopropyl Acetate
Concen: 153.020 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 43 Resp: 581292
Ion Ratio Lower Upper
43 100
61 21.0 16.1 24.1





#45

1,4-Dioxane

Concen: 2980.926 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

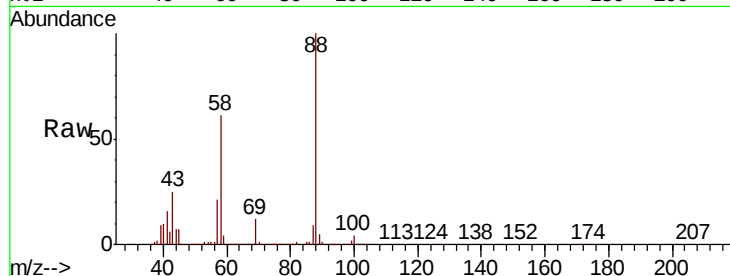
Tgt Ion: 88 Resp: 142429

Ion Ratio Lower Upper

88 100

43 29.0 23.6 35.4

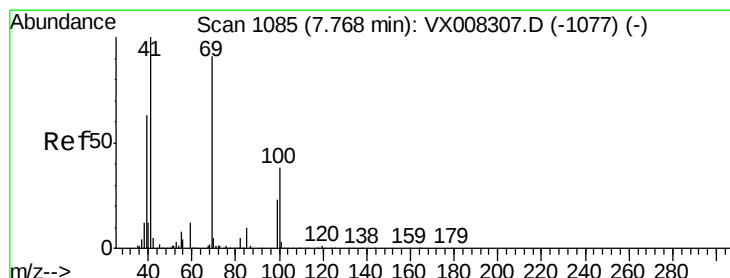
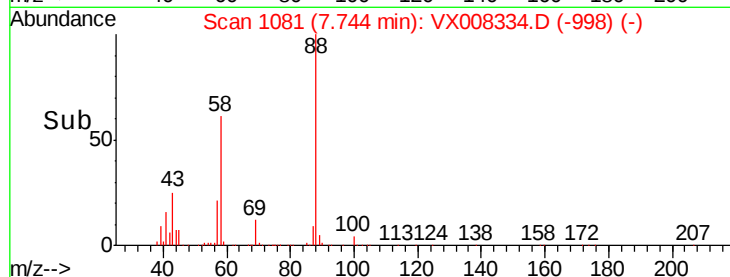
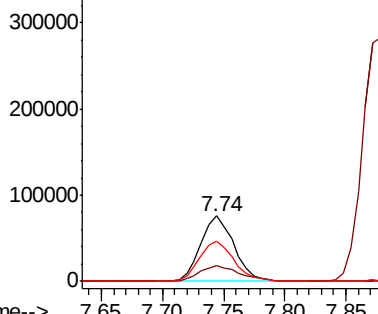
58 64.8 51.6 77.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 151.412 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

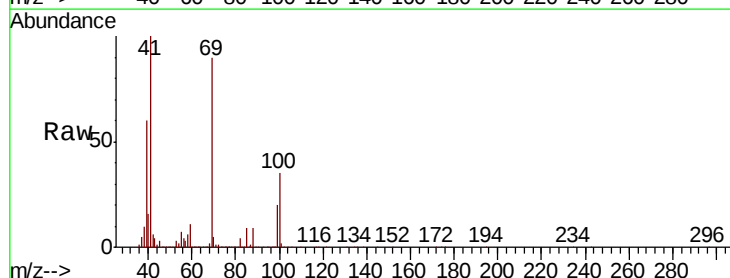
Tgt Ion: 41 Resp: 282227

Ion Ratio Lower Upper

41 100

69 90.3 44.2 132.6

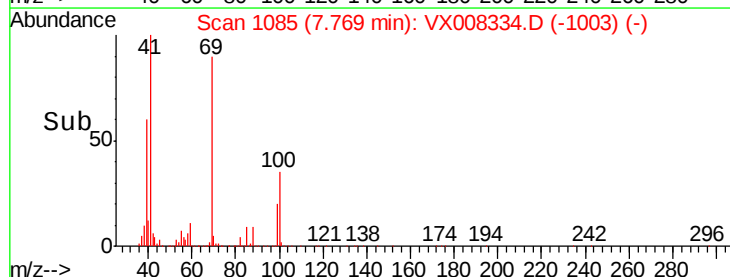
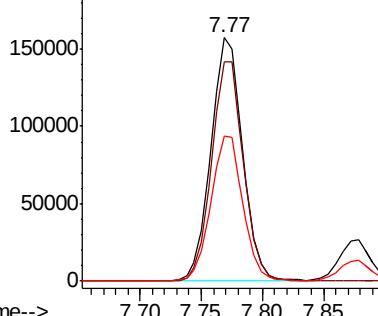
39 59.5 29.9 89.8

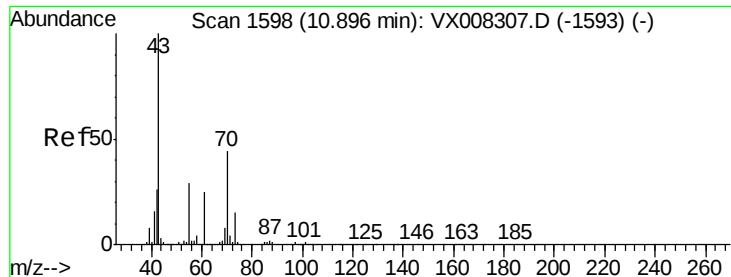


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

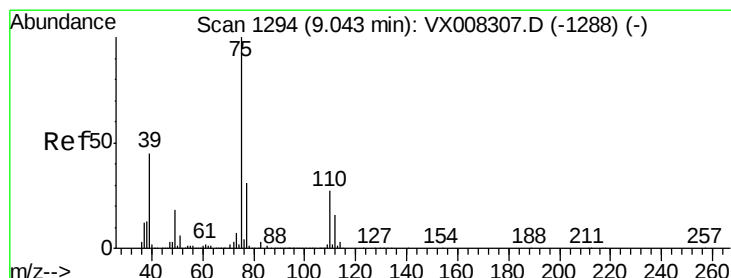
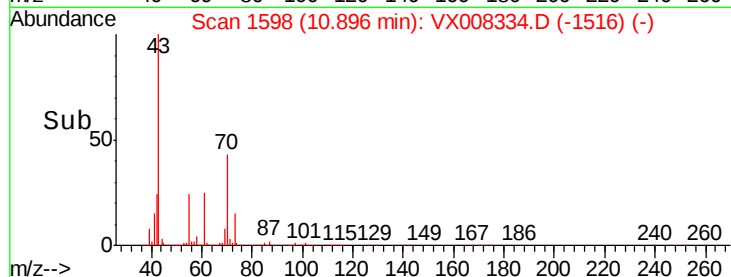
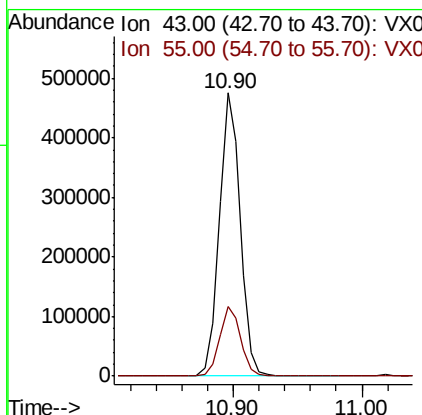
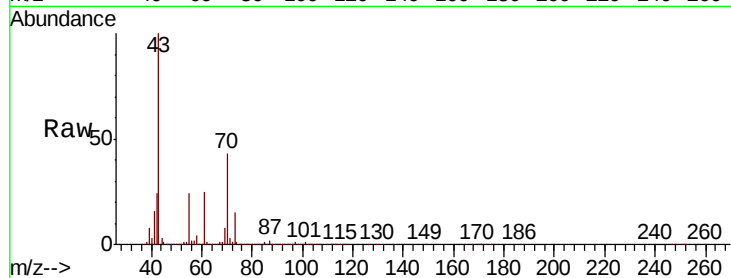




#47
n-amy1 Acetate
Concen: 167.280 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

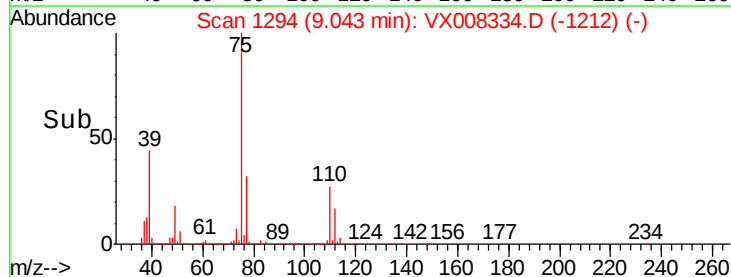
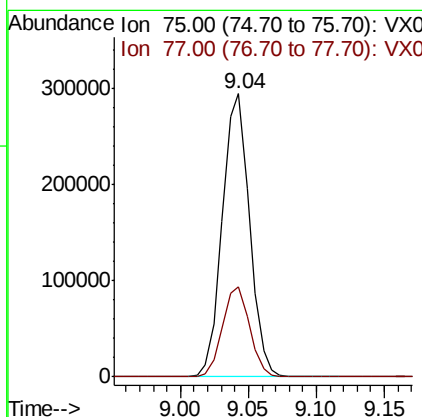
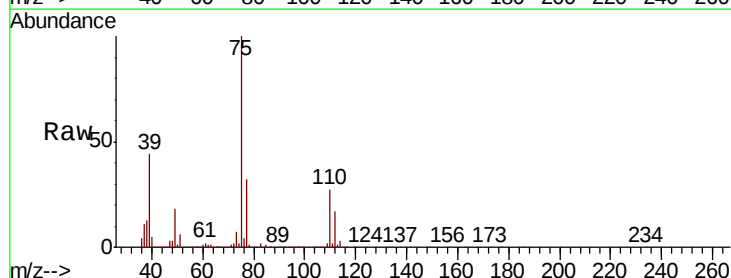
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

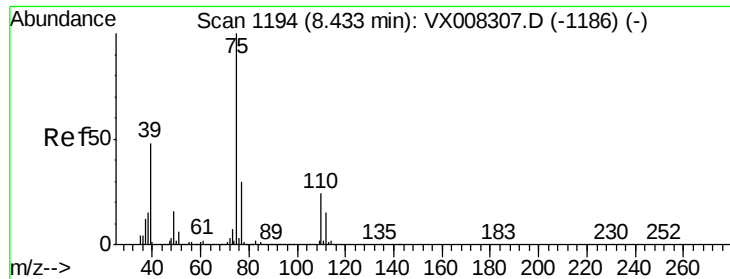
Tgt Ion: 43 Resp: 544817
Ion Ratio Lower Upper
43 100
55 24.5 20.8 31.2



#48
t-1,3-Dichloropropene
Concen: 162.699 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 407960
Ion Ratio Lower Upper
75 100
77 31.9 24.5 36.7



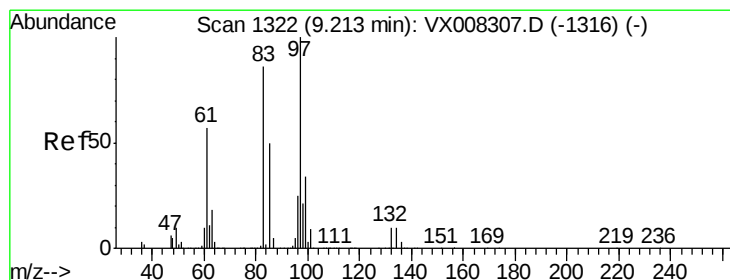
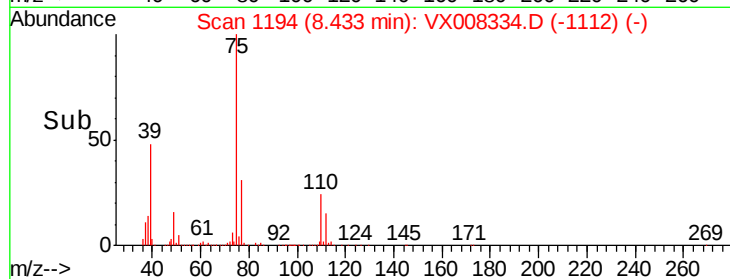
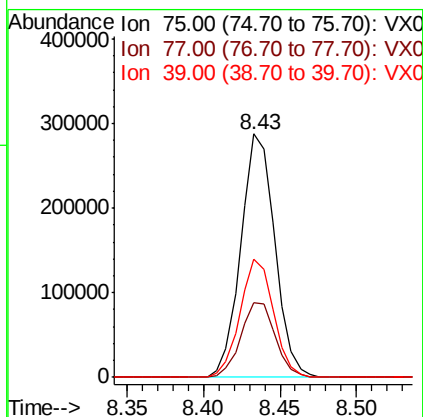
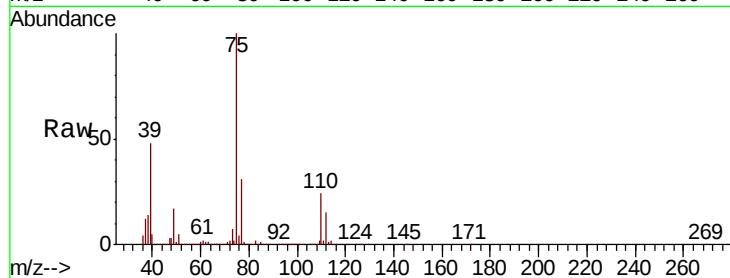


#49

cis-1,3-Dichloropropene
Concen: 158.309 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

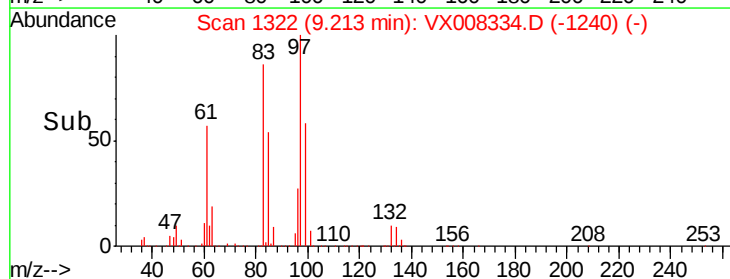
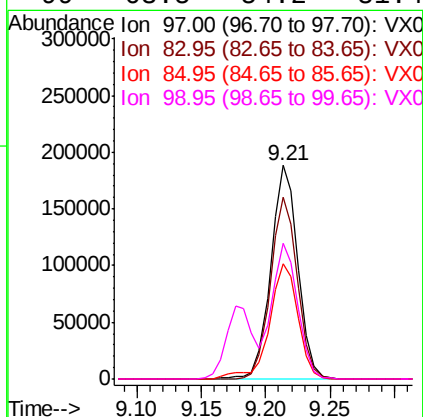
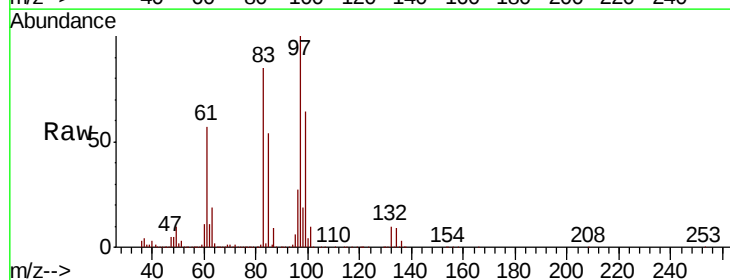
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	48.3	38.5	57.7

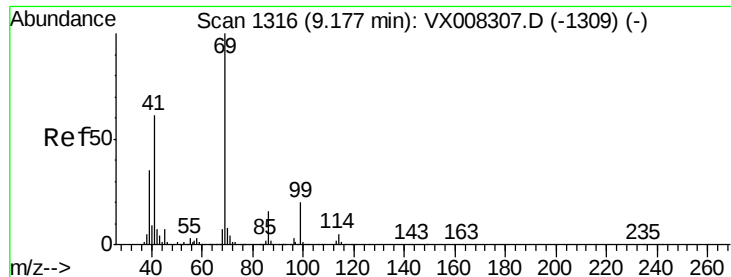


#50

1,1,2-Trichloroethane
Concen: 145.261 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	72.0	108.0
85	53.8	45.0	67.6
99	63.5	54.2	81.4





#51

Ethyl methacrylate

Concen: 157.664 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

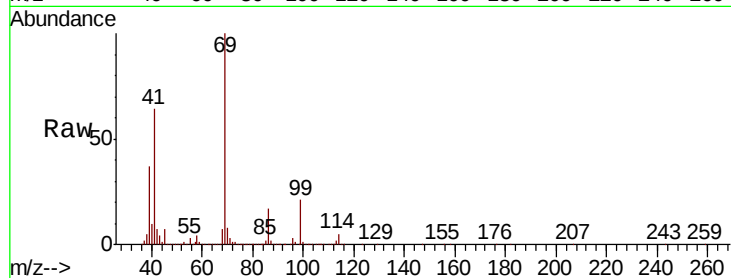
Tgt Ion: 69 Resp: 436437

Ion Ratio Lower Upper

69 100

41 63.8 32.1 96.5

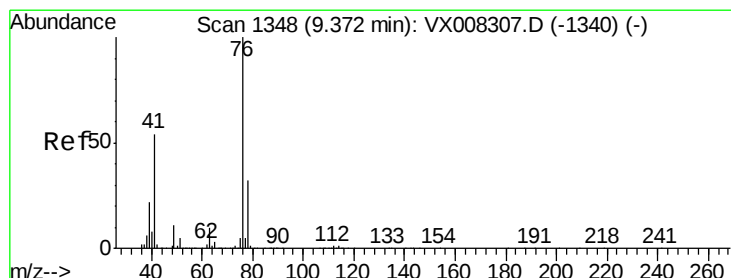
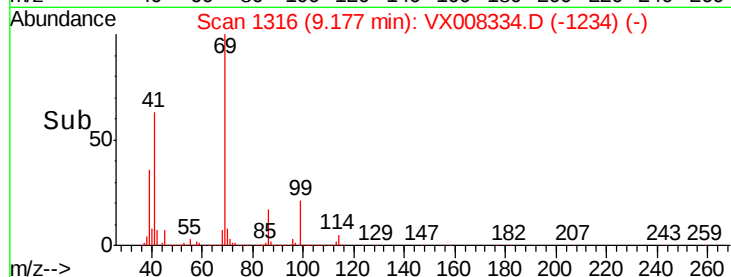
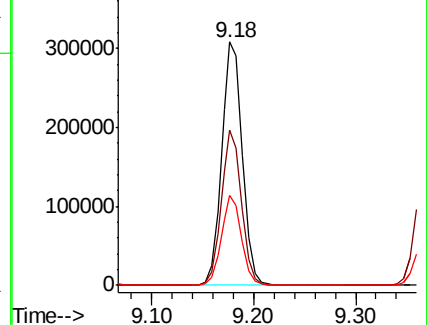
39 36.7 18.8 56.3



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: 144.431 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008334.D

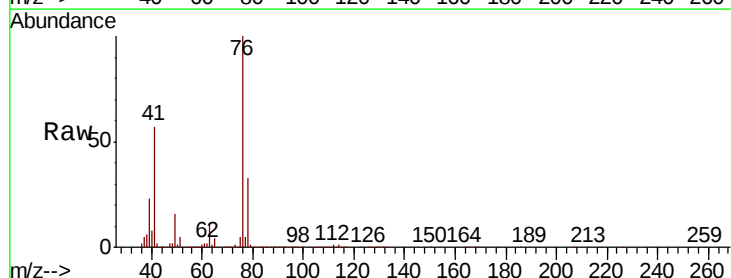
Acq: 22 Mar 2019 12:37

Tgt Ion: 76 Resp: 439194

Ion Ratio Lower Upper

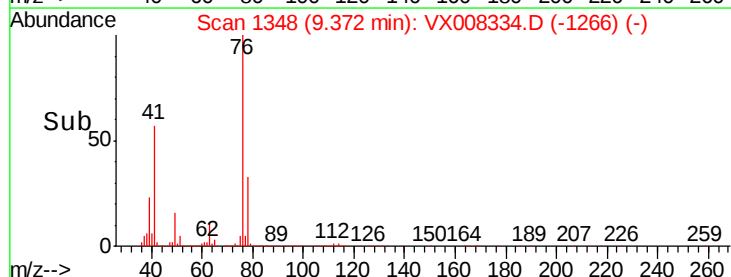
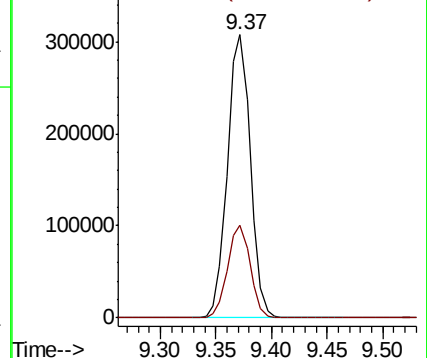
76 100

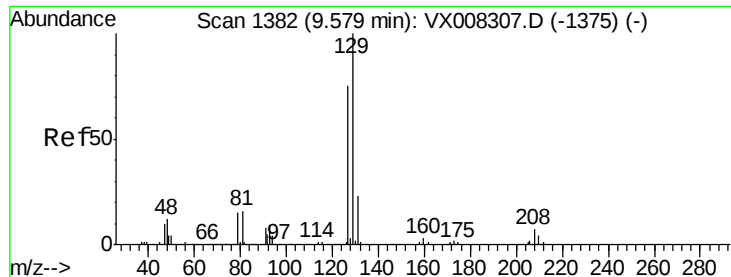
78 32.5 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

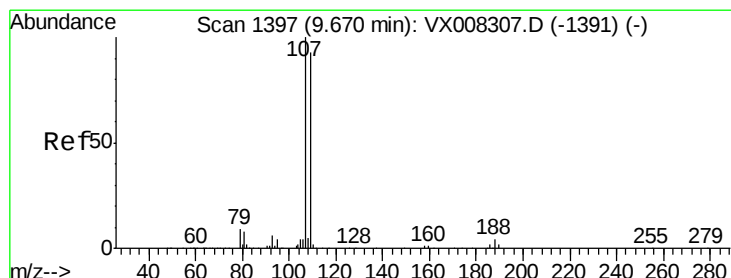
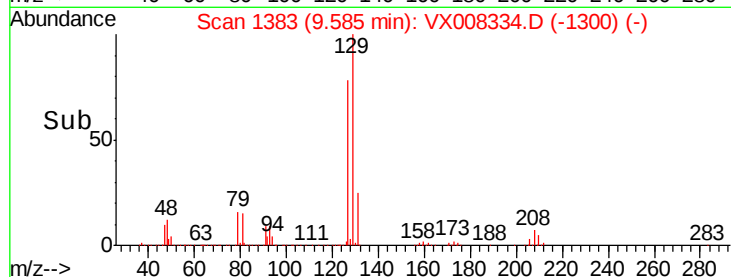
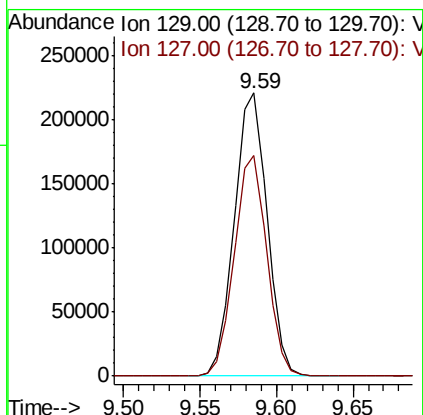
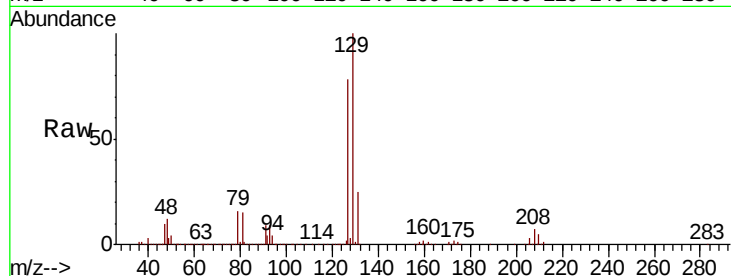




#53
 Dibromochloromethane
 Concen: 153.965 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

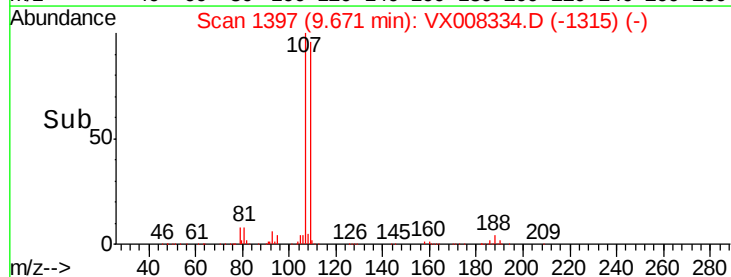
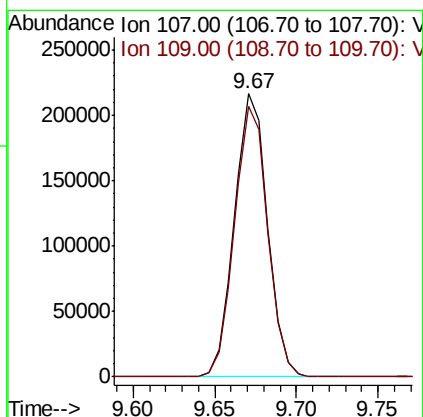
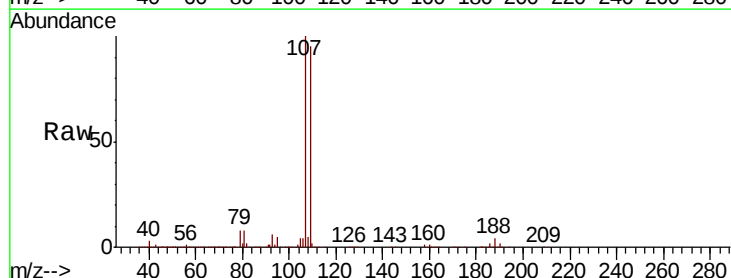
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

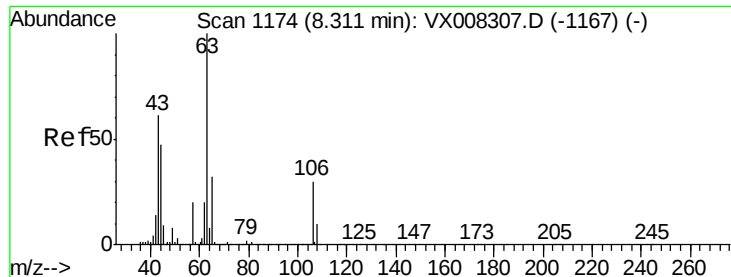
Tgt Ion:129 Resp: 329078
 Ion Ratio Lower Upper
 129 100
 127 77.0 38.4 115.2



#54
 1,2-Dibromoethane
 Concen: 146.582 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion:107 Resp: 304935
 Ion Ratio Lower Upper
 107 100
 109 96.1 76.6 115.0

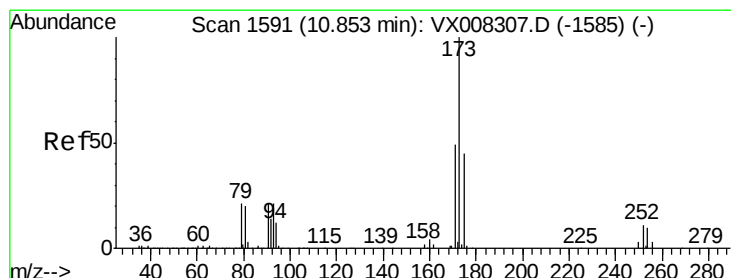
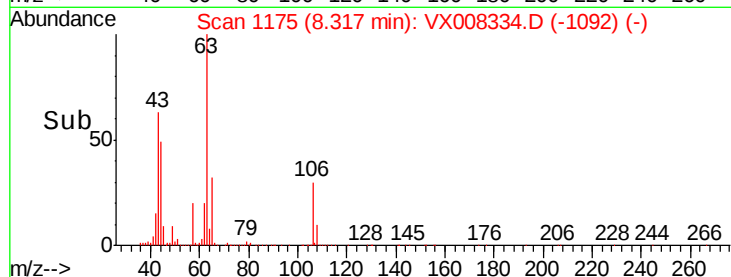
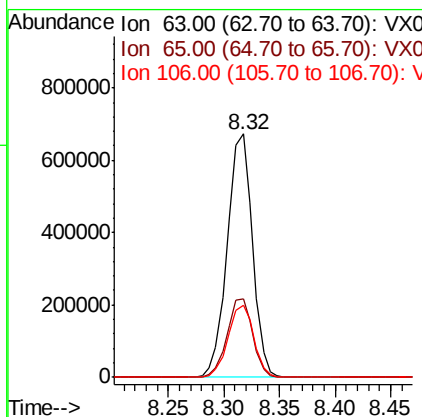
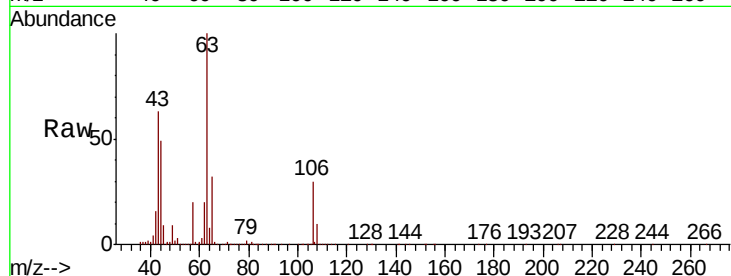




#55
2-Chloroethyl vinyl ether
Concen: 758.235 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

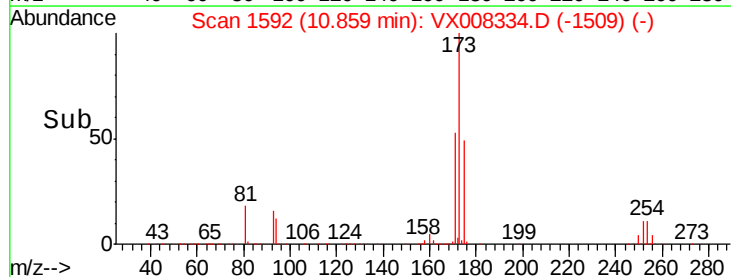
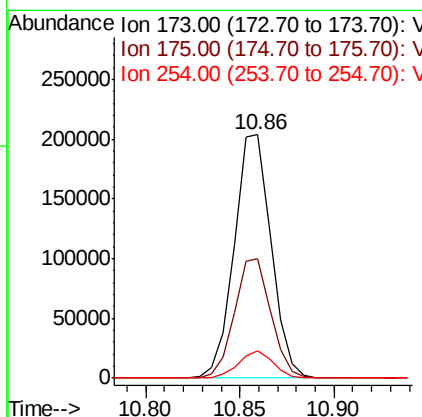
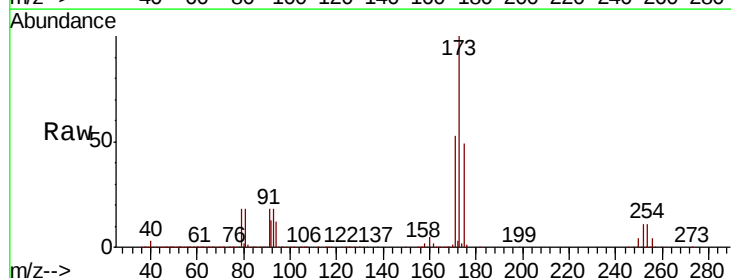
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

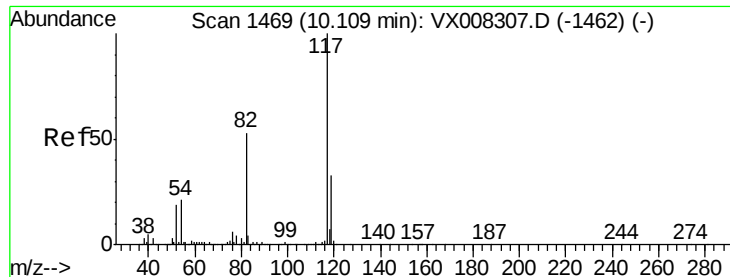
Tgt Ion: 63 Resp: 1055981
Ion Ratio Lower Upper
63 100
65 32.6 25.7 38.5
106 30.2 23.7 35.5



#56
Bromoform
Concen: 163.655 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 173 Resp: 276153
Ion Ratio Lower Upper
173 100
175 48.6 38.5 57.7
254 10.6 7.4 11.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

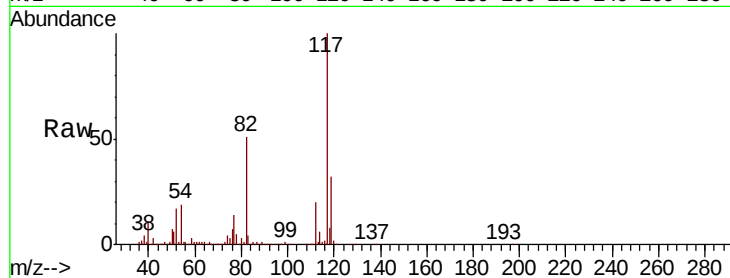
Tgt Ion:117 Resp: 146153

Ion Ratio Lower Upper

117 100

82 52.5 40.4 60.6

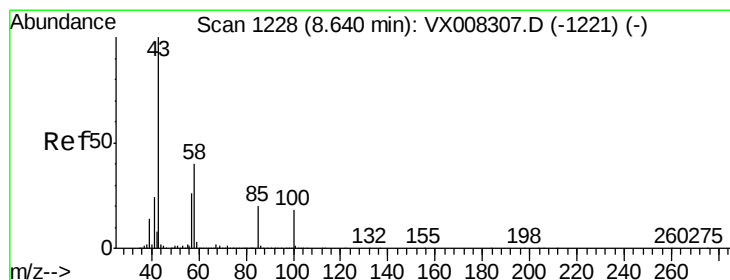
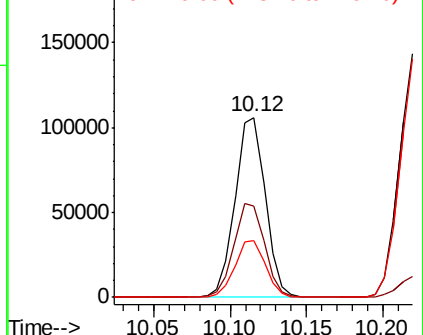
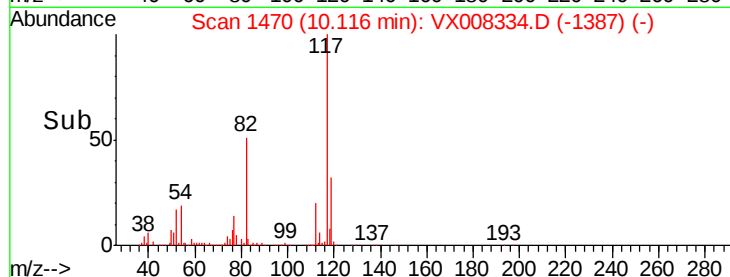
119 31.8 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 760.383 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

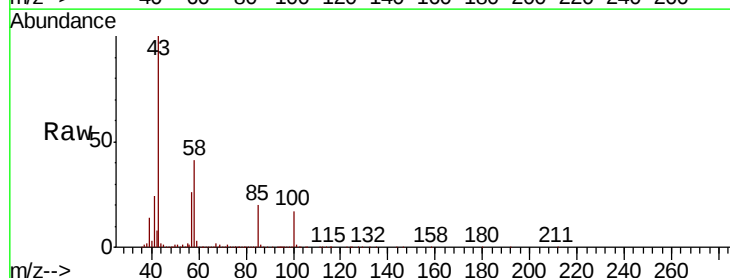
Tgt Ion: 43 Resp: 1871137

Ion Ratio Lower Upper

43 100

58 40.9 31.4 47.0

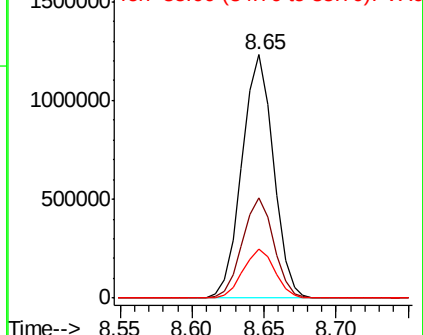
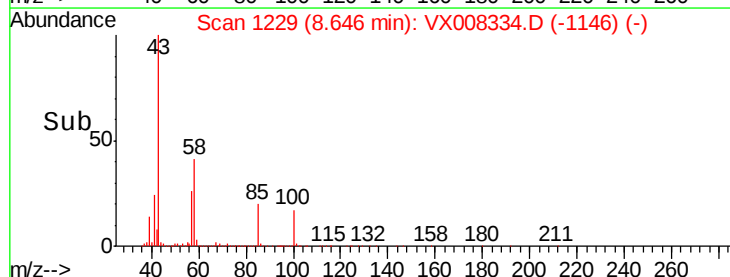
85 20.2 15.0 22.6

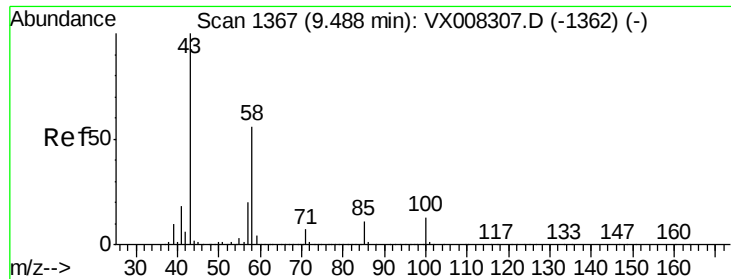


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

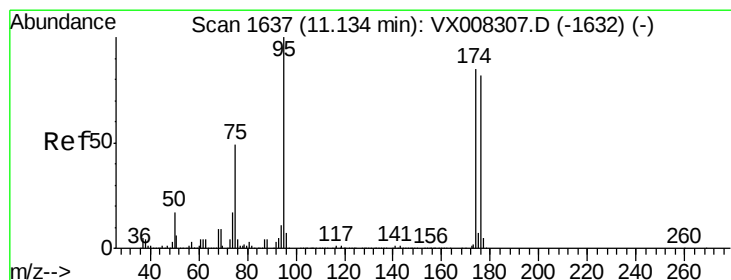
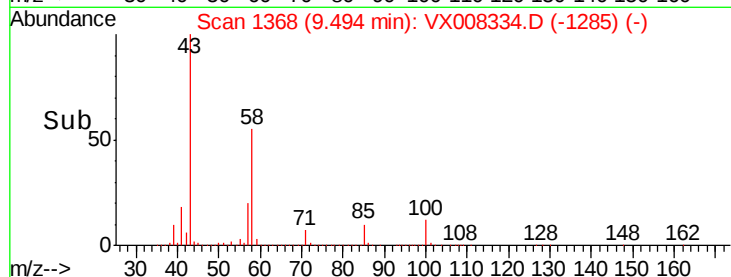
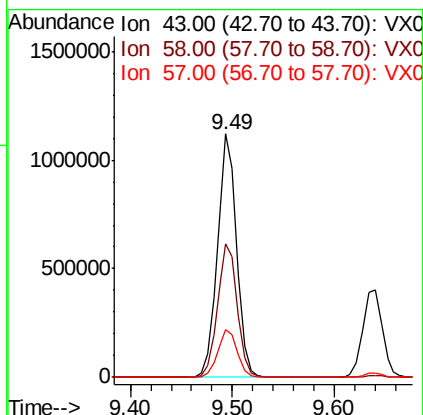
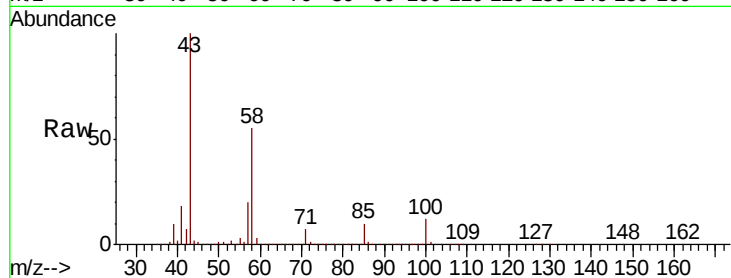




#59
2-Hexanone
Concen: 756.444 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

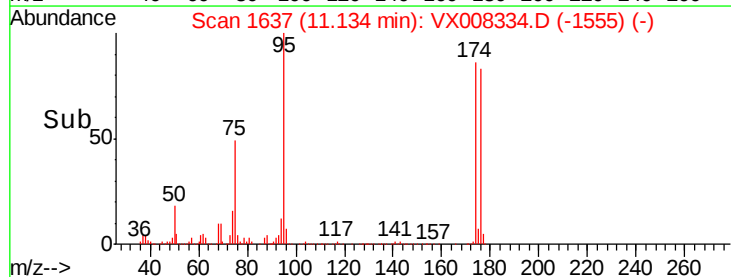
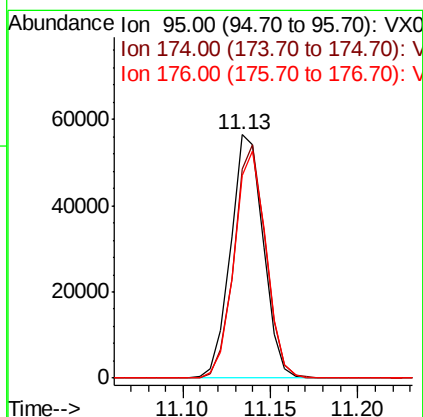
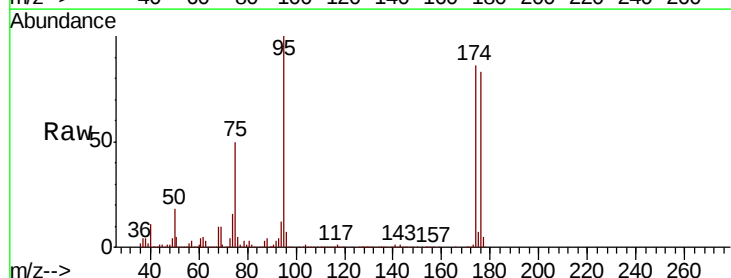
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

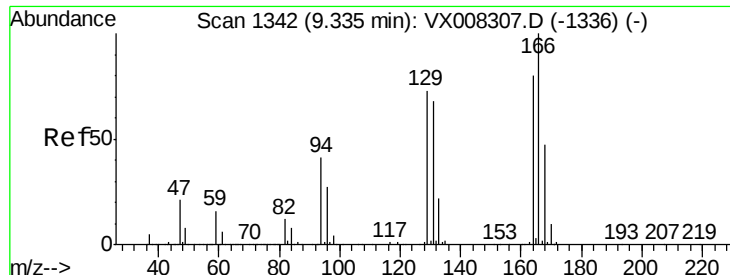
Tgt Ion: 43 Resp: 1472473
Ion Ratio Lower Upper
43 100
58 56.5 43.9 65.9
57 20.1 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 30.856 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 95 Resp: 73407
Ion Ratio Lower Upper
95 100
174 92.5 74.9 112.3
176 90.8 70.7 106.1





#61

Tetrachloroethene

Concen: 141.100 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:164 Resp: 277599

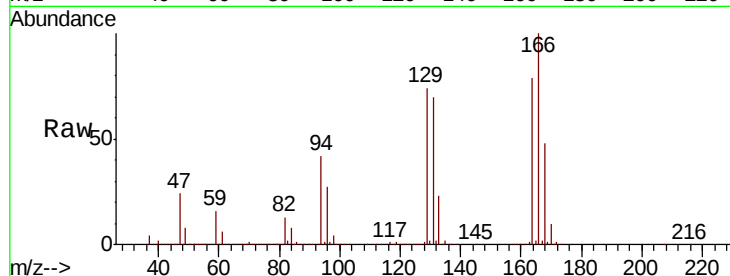
Ion Ratio Lower Upper

164 100

166 127.3 103.9 155.9

129 93.8 74.7 112.1

131 89.2 71.7 107.5

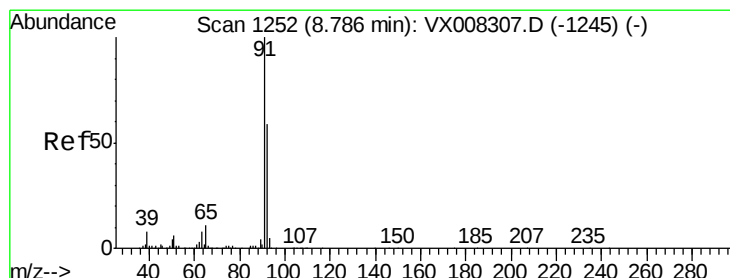
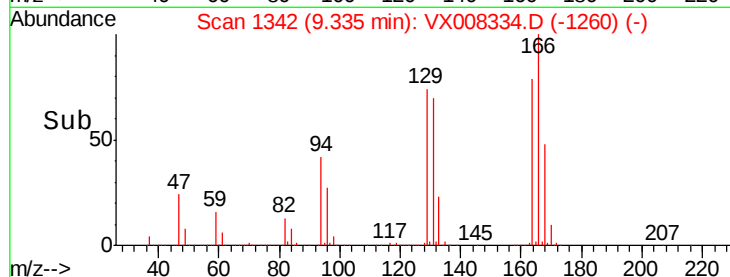
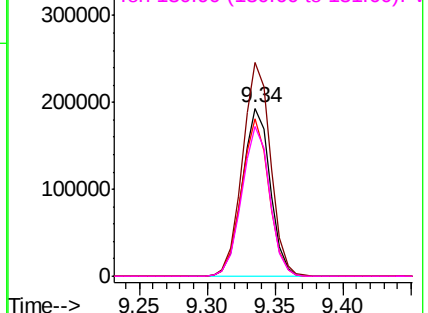


Abundance Ion 163.85 (163.55 to 164.55): V

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: 147.882 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008334.D

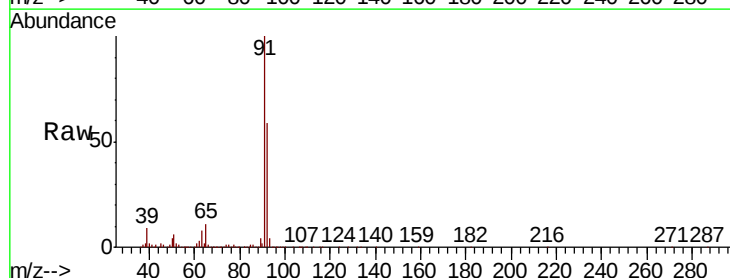
Acq: 22 Mar 2019 12:37

Tgt Ion: 91 Resp: 1147242

Ion Ratio Lower Upper

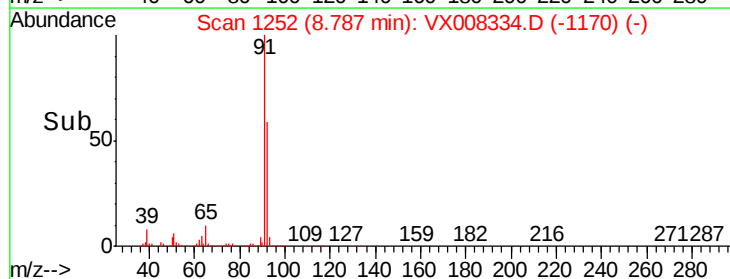
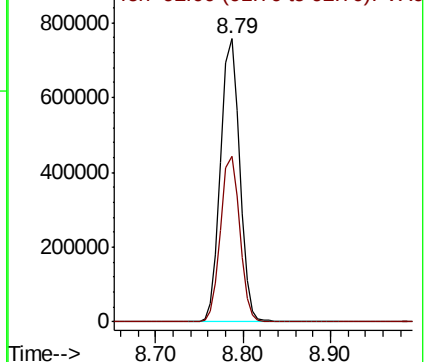
91 100

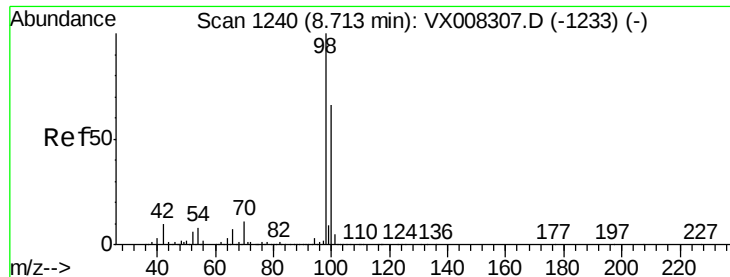
92 58.8 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.794 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

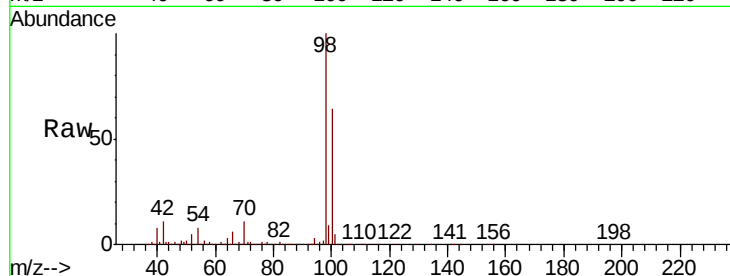
VSTDIC150

Tgt Ion: 98 Resp: 196190

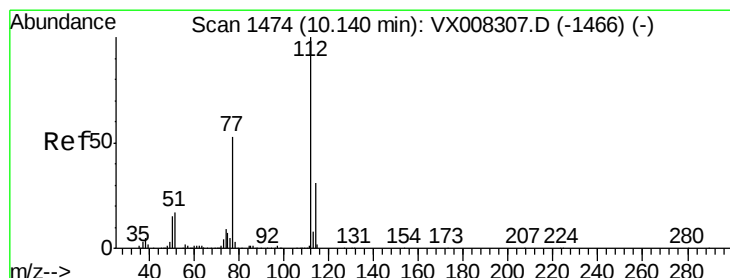
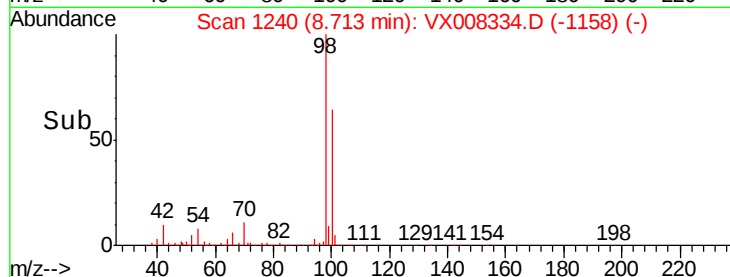
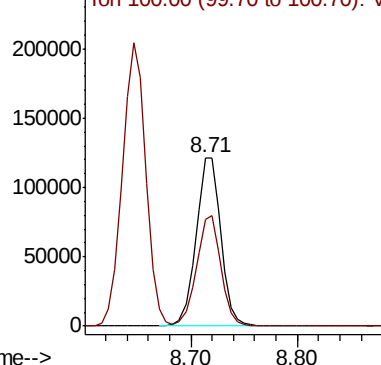
Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX008307.D (-1233) (-)



#64

Chlorobenzene

Concen: 147.877 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX008334.D

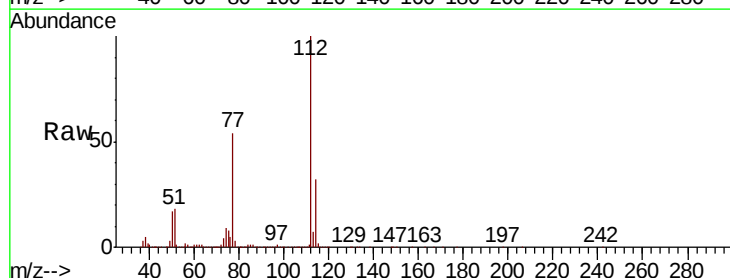
Acq: 22 Mar 2019 12:37

Tgt Ion: 112 Resp: 739585

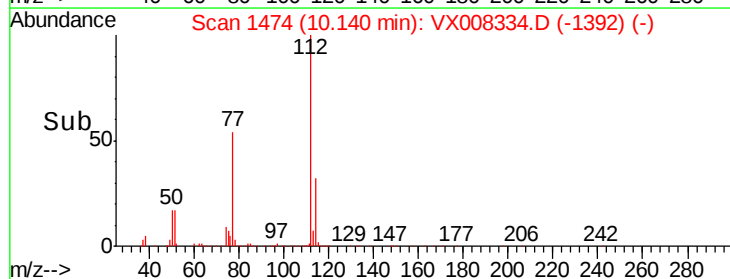
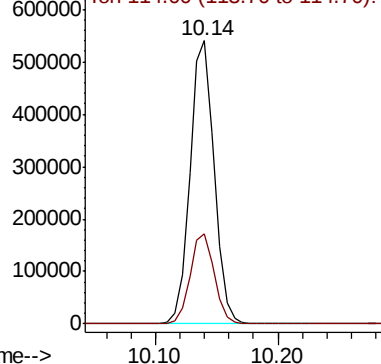
Ion Ratio Lower Upper

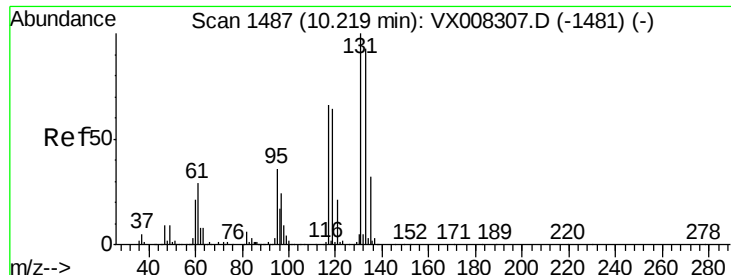
112 100

114 31.6 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): VX008307.D (-1466) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 151.580 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

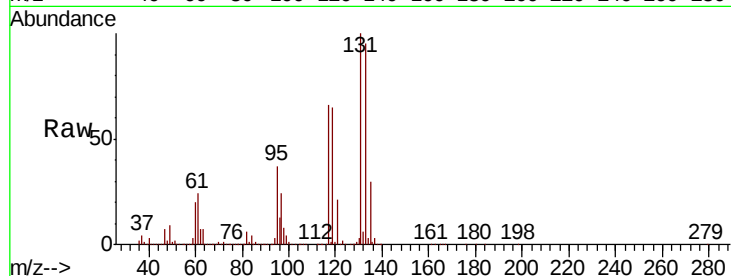
Tgt Ion:131 Resp: 289543

Ion Ratio Lower Upper

131 100

133 95.3 0.0 191.6

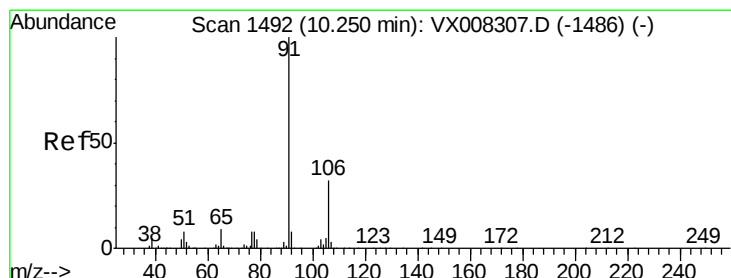
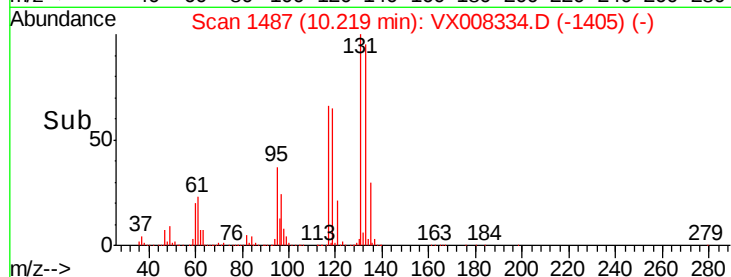
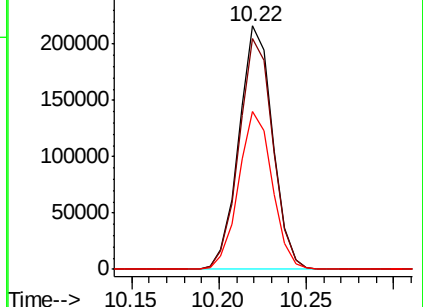
119 64.5 0.0 127.4



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: 150.256 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008334.D

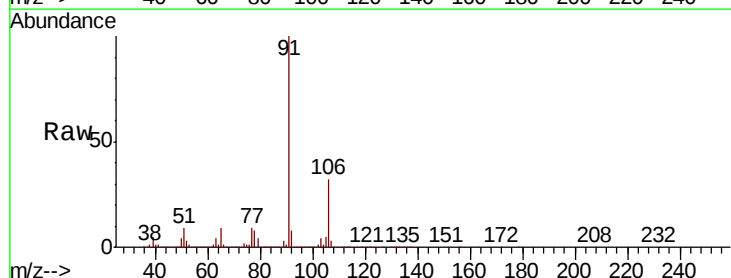
Acq: 22 Mar 2019 12:37

Tgt Ion: 91 Resp: 1260633

Ion Ratio Lower Upper

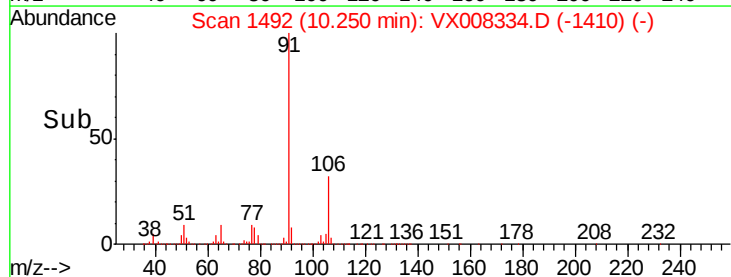
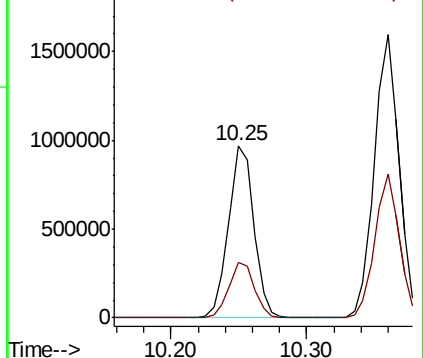
91 100

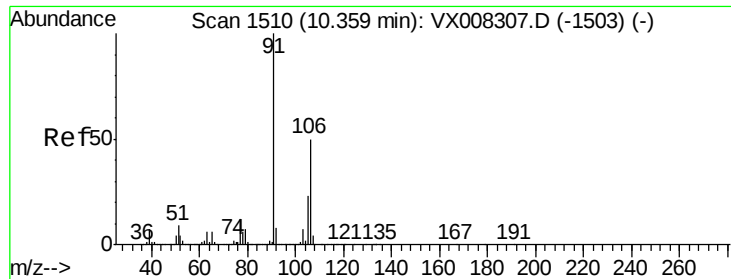
106 31.9 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 303.681 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

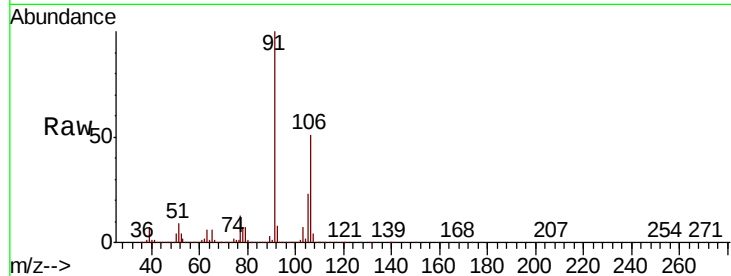
VSTDIC150

Tgt Ion:106 Resp: 1012635

Ion Ratio Lower Upper

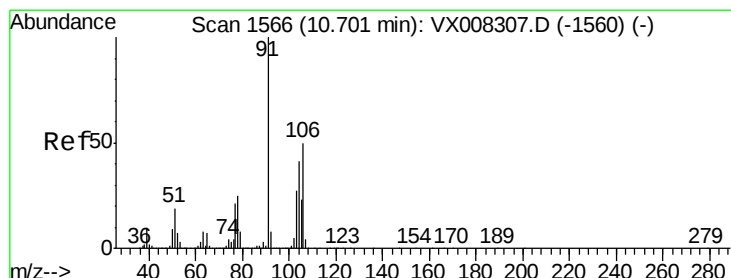
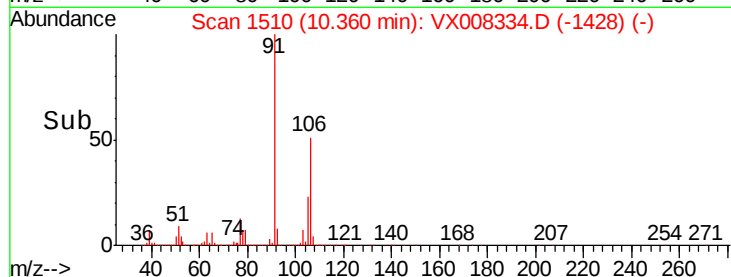
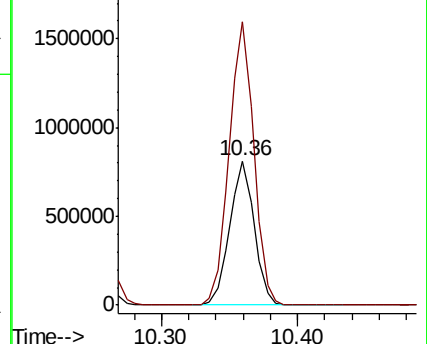
106 100

91 198.3 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 152.609 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX008334.D

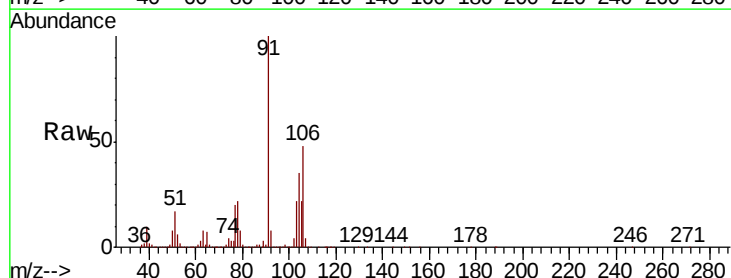
Acq: 22 Mar 2019 12:37

Tgt Ion:106 Resp: 488850

Ion Ratio Lower Upper

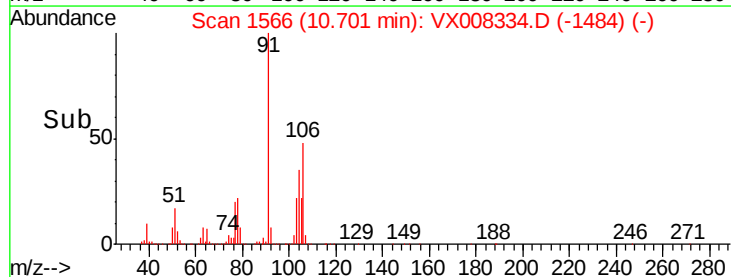
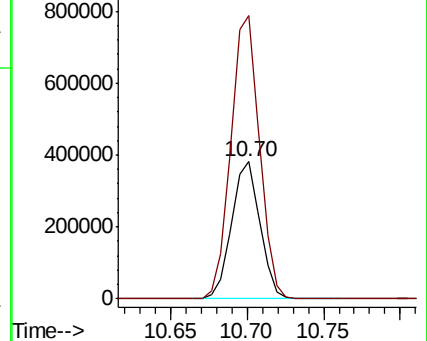
106 100

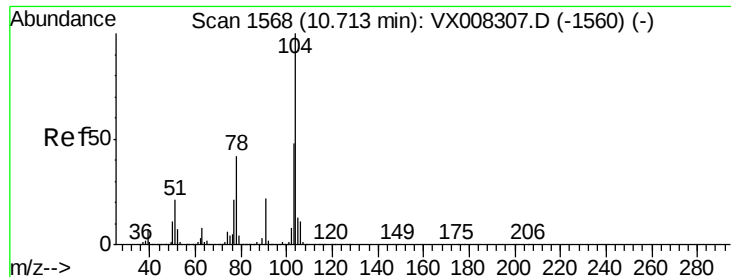
91 208.6 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

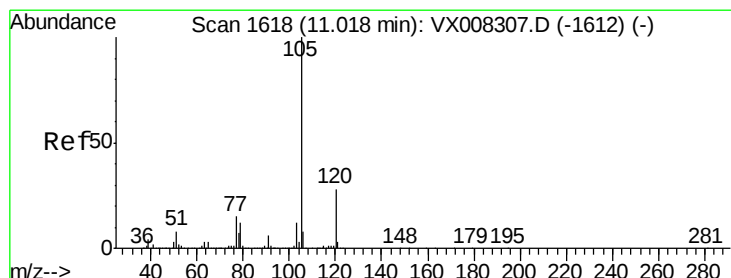
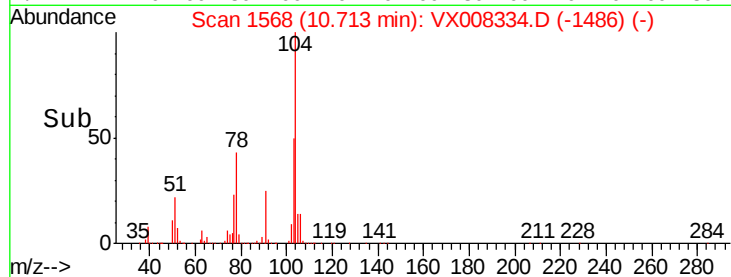
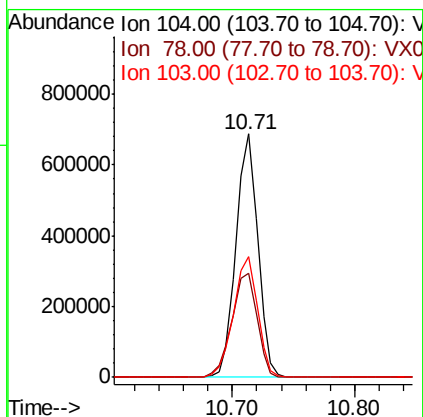
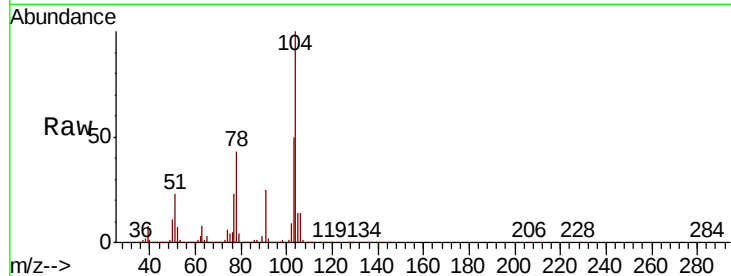




#69
Styrene
Concen: 156.747 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

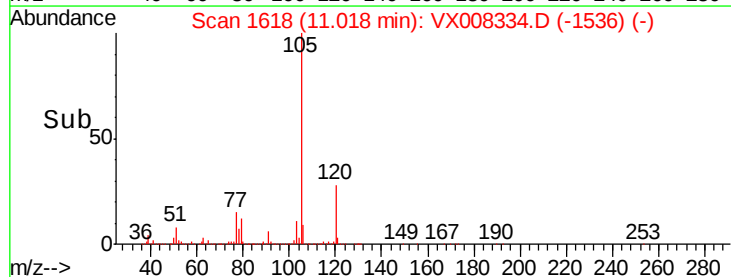
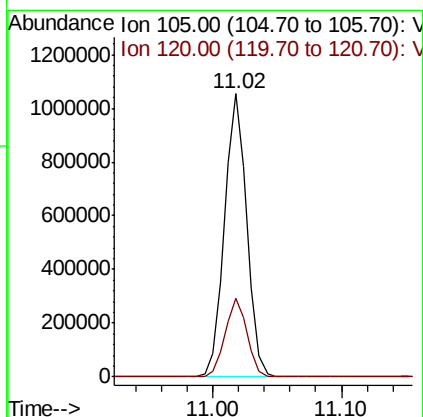
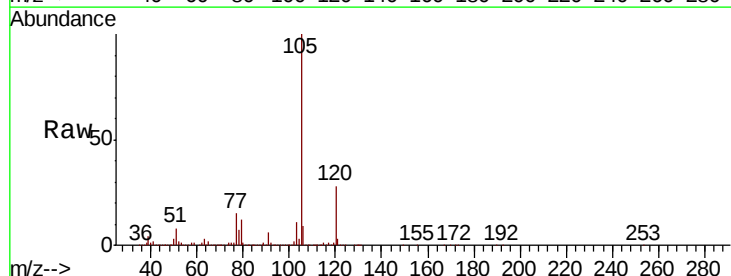
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

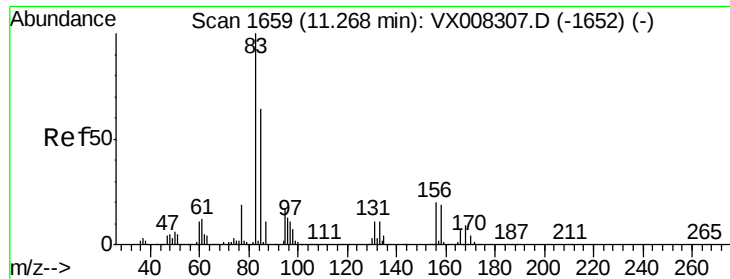
Tgt Ion:104 Resp: 847690
Ion Ratio Lower Upper
104 100
78 49.7 38.2 57.2
103 54.4 45.0 67.4



#70
Isopropylbenzene
Concen: 152.455 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion:105 Resp: 1284881
Ion Ratio Lower Upper
105 100
120 27.4 19.8 36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 151.098 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

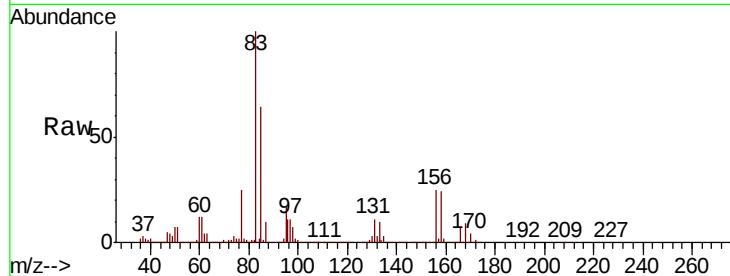
Tgt Ion: 83 Resp: 434238

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

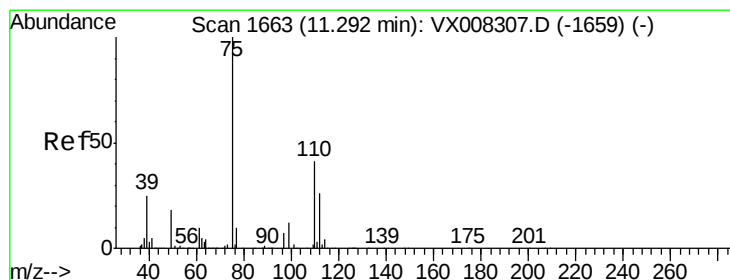
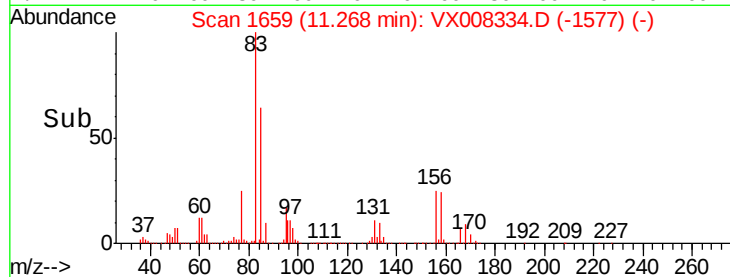
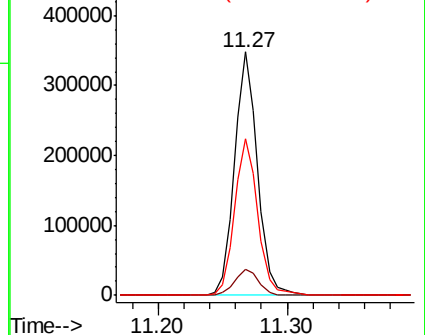
85 65.1 32.8 98.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 208.358 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX008334.D

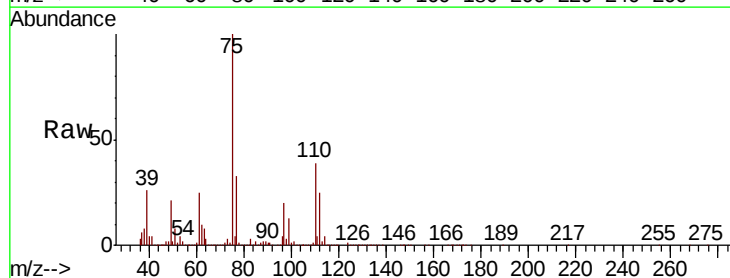
Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 499804

Ion Ratio Lower Upper

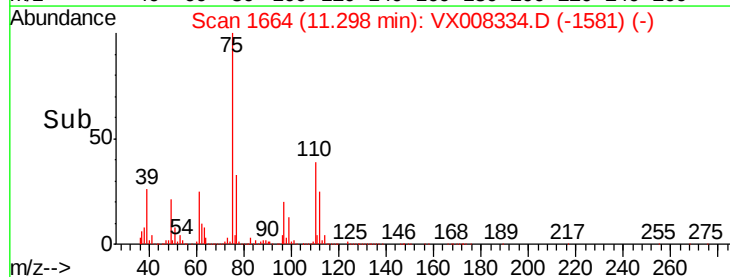
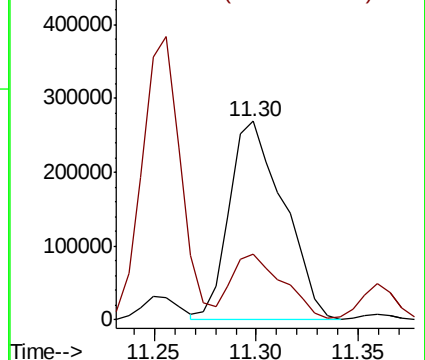
75 100

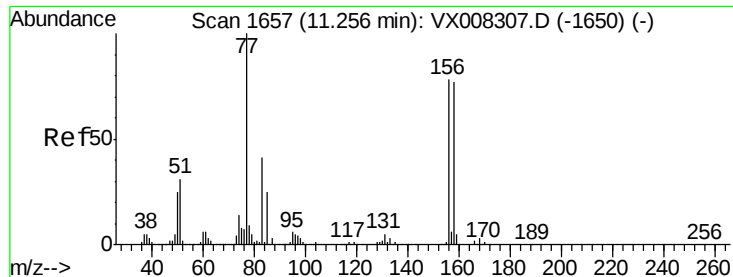
77 31.4 0.0 76.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 152.385 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

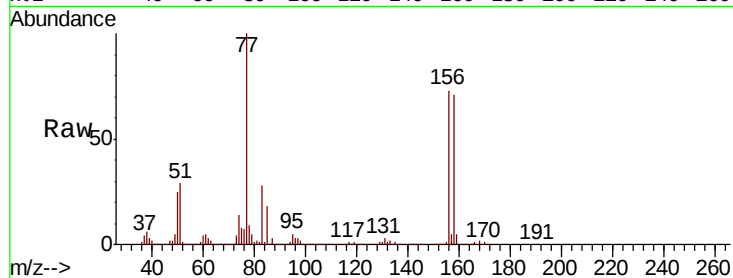
Tgt Ion:156 Resp: 355335

Ion Ratio Lower Upper

156 100

77 140.8 0.0 271.4

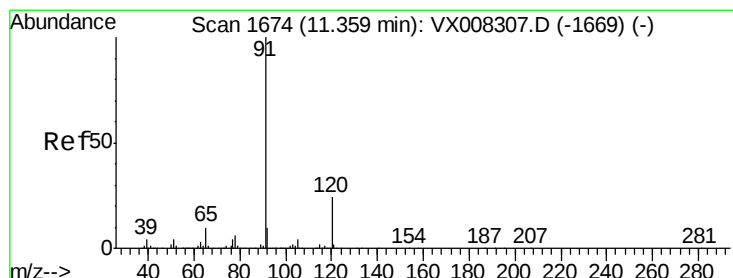
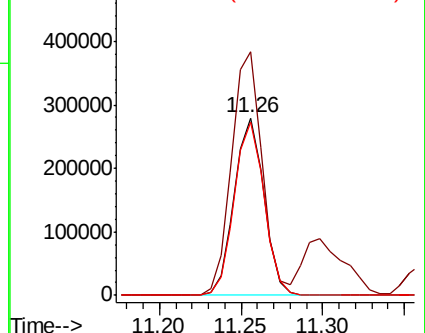
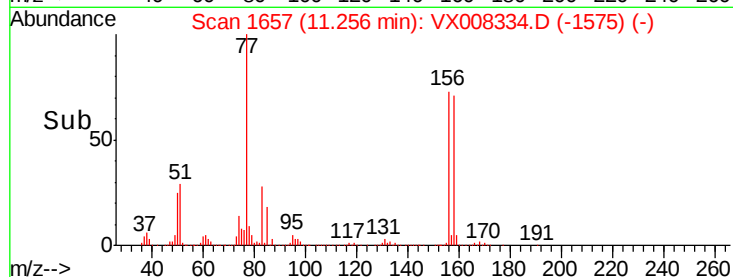
158 97.9 0.0 194.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 156.042 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008334.D

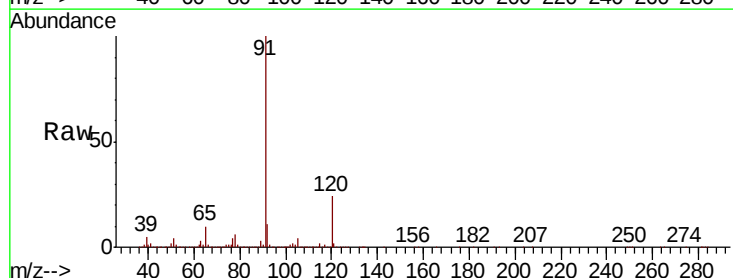
Acq: 22 Mar 2019 12:37

Tgt Ion: 91 Resp: 1465882

Ion Ratio Lower Upper

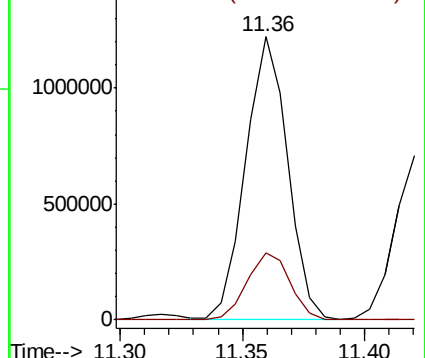
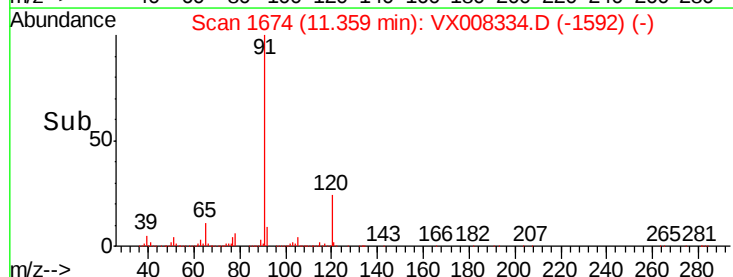
91 100

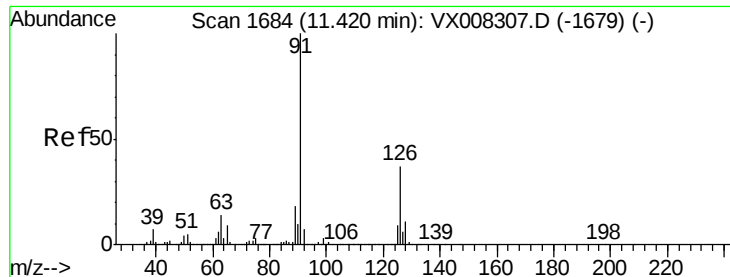
120 24.2 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 152.855 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

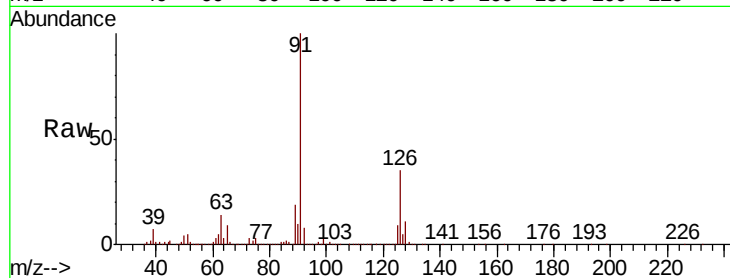
VSTDIC150

Tgt Ion: 91 Resp: 857545

Ion Ratio Lower Upper

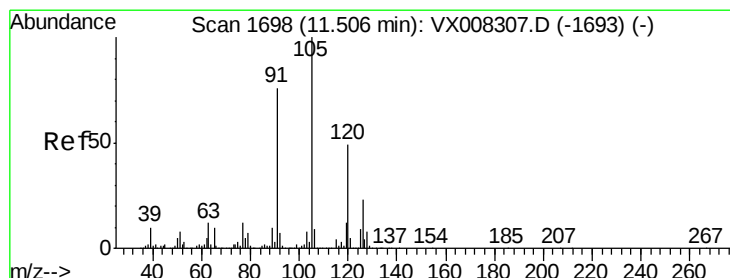
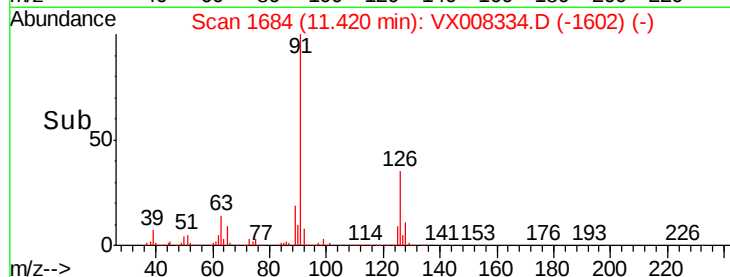
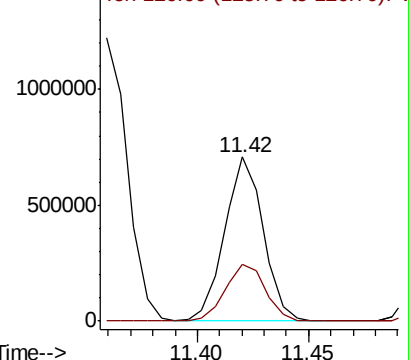
91 100

126 36.1 0.0 75.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 155.338 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008334.D

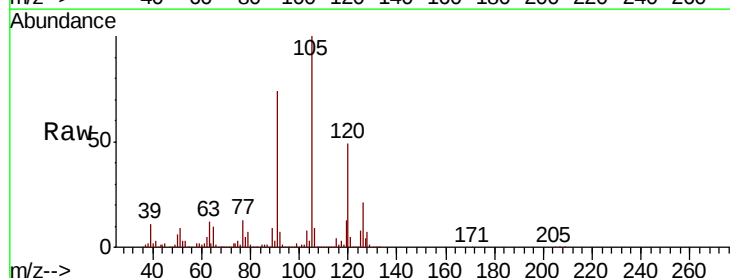
Acq: 22 Mar 2019 12:37

Tgt Ion: 105 Resp: 1118408

Ion Ratio Lower Upper

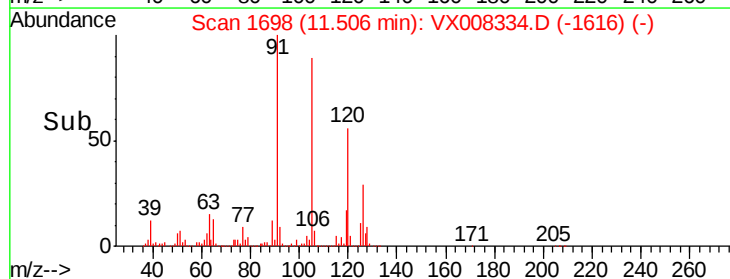
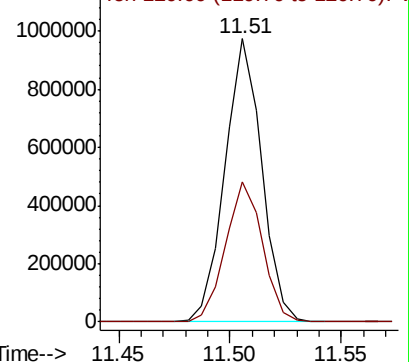
105 100

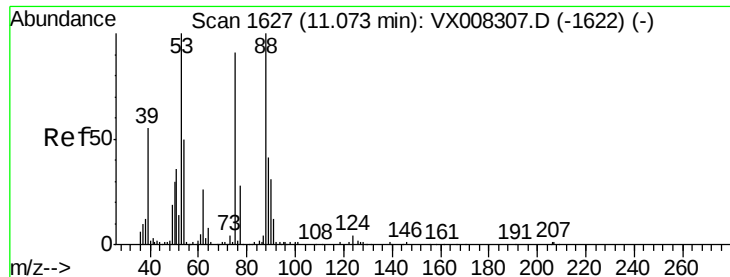
120 49.8 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 181.174 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

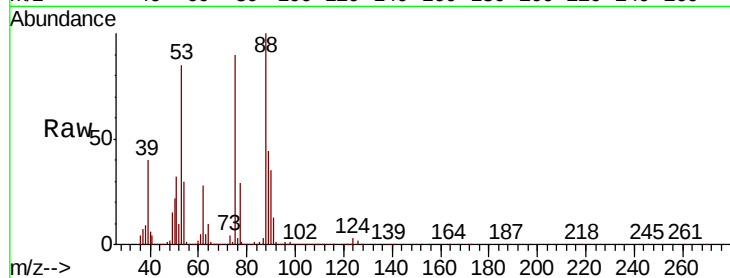
Tgt Ion: 75 Resp: 148584

Ion Ratio Lower Upper

75 100

53 94.0 55.5 166.7

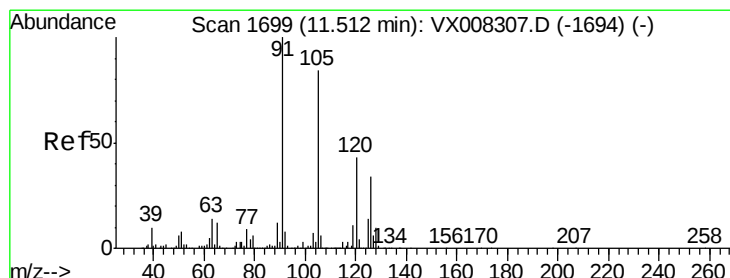
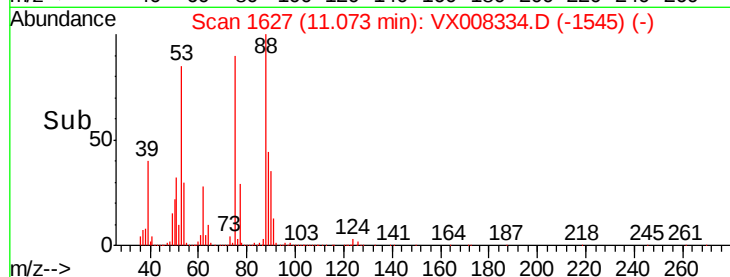
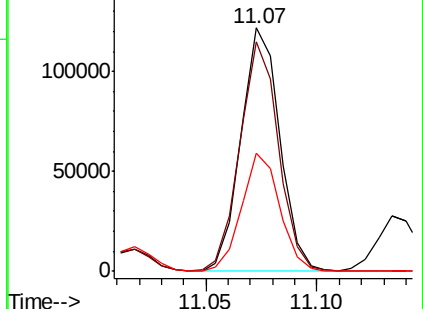
89 48.6 24.4 73.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 156.913 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008334.D

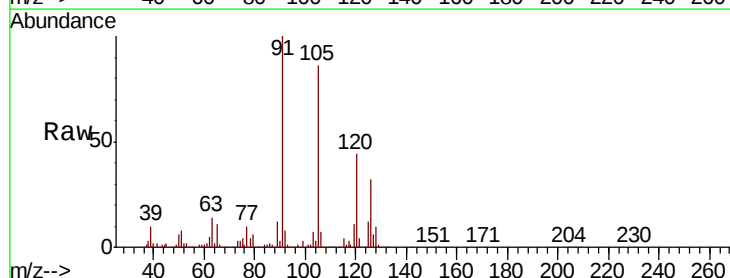
Acq: 22 Mar 2019 12:37

Tgt Ion: 91 Resp: 1036051

Ion Ratio Lower Upper

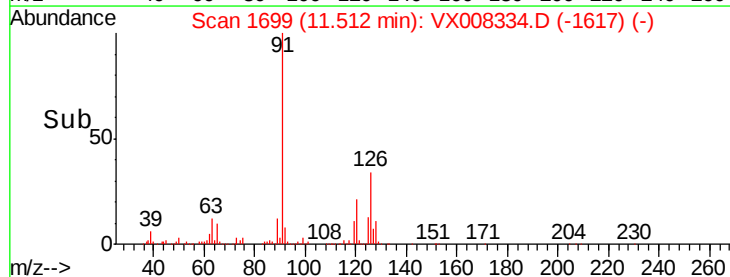
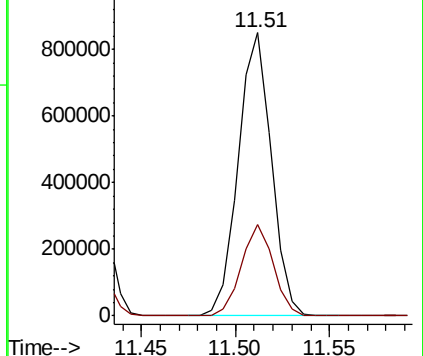
91 100

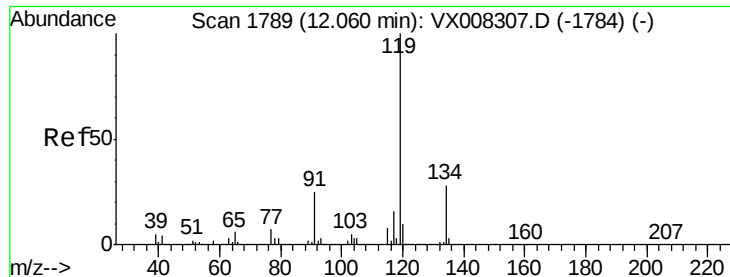
126 31.3 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

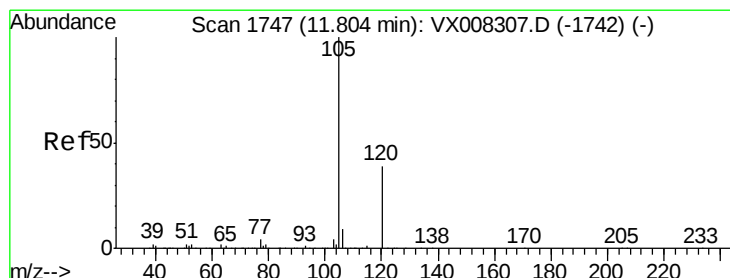
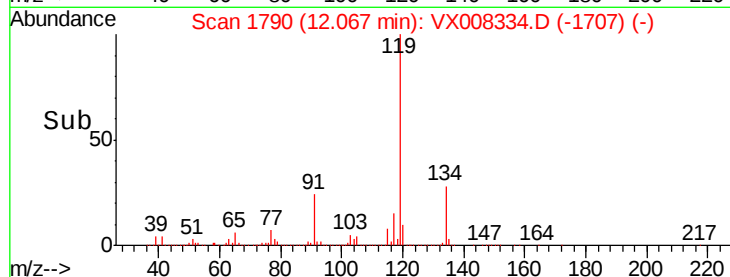
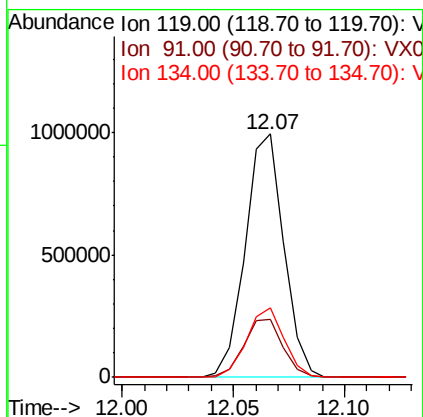
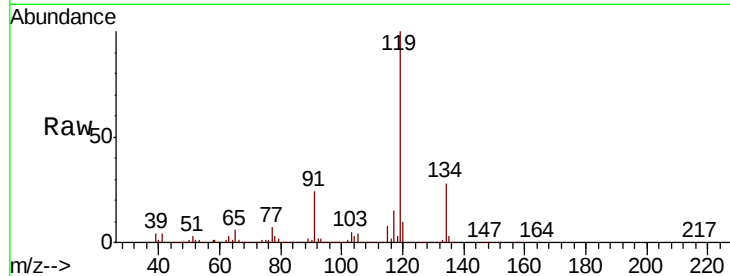




#79
tert-butylbenzene
Concen: 158.570 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

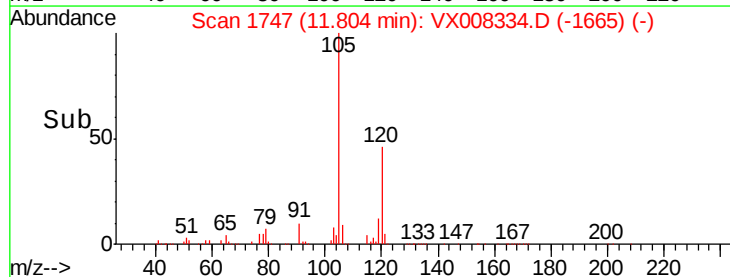
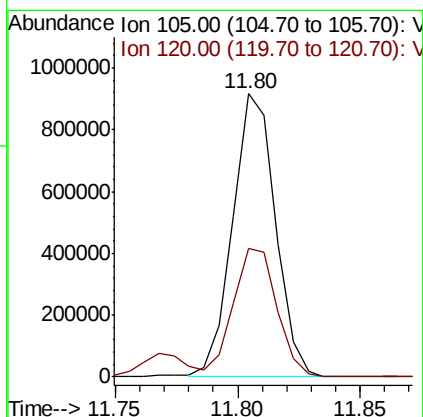
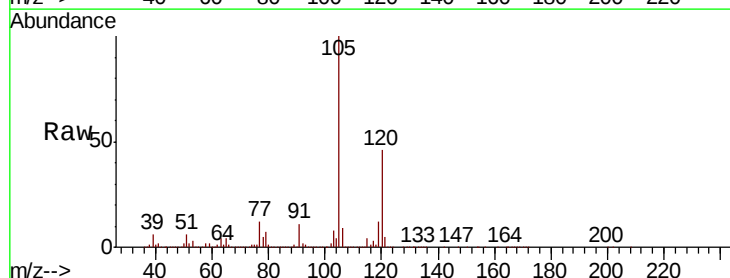
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

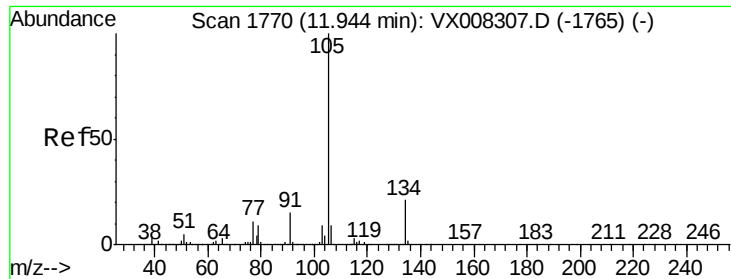
Tgt Ion:119 Resp: 1200916
Ion Ratio Lower Upper
119 100
91 24.2 0.0 45.0
134 27.6 0.0 55.4



#80
1,2,4-Trimethylbenzene
Concen: 154.882 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion:105 Resp: 1108089
Ion Ratio Lower Upper
105 100
120 46.5 0.0 94.0

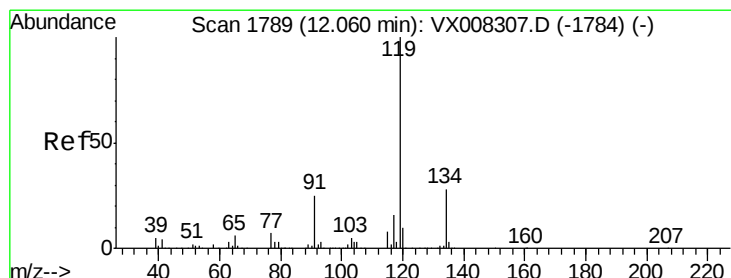
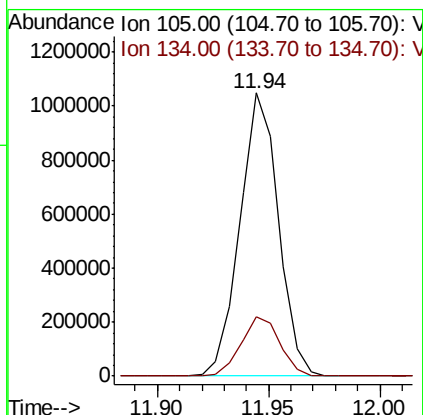
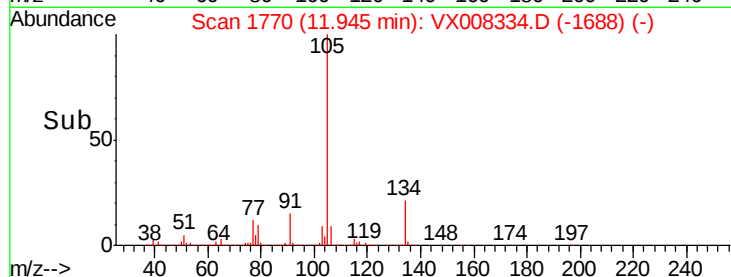
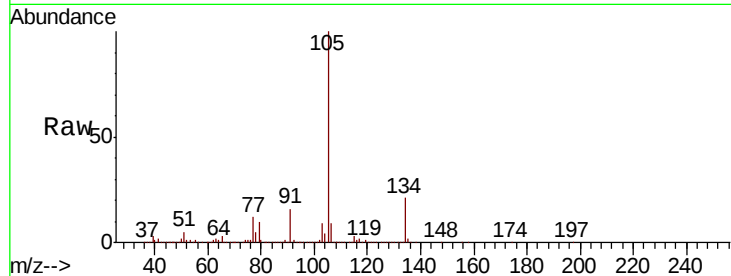




#81
 sec-Butylbenzene
 Concen: 153.541 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

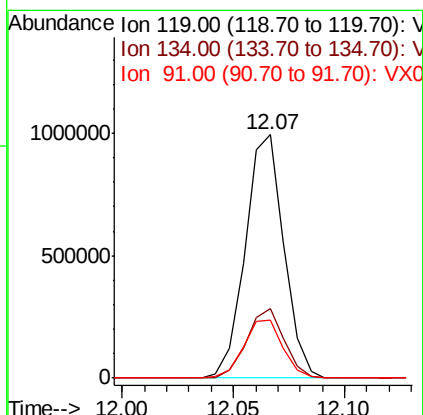
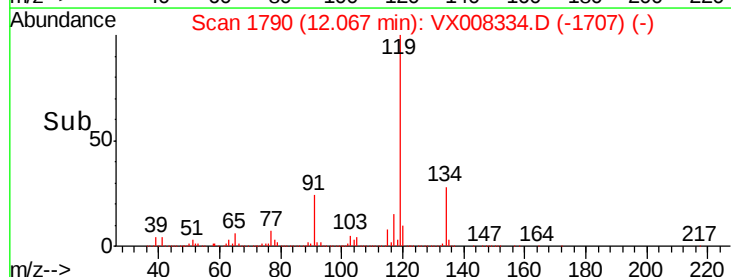
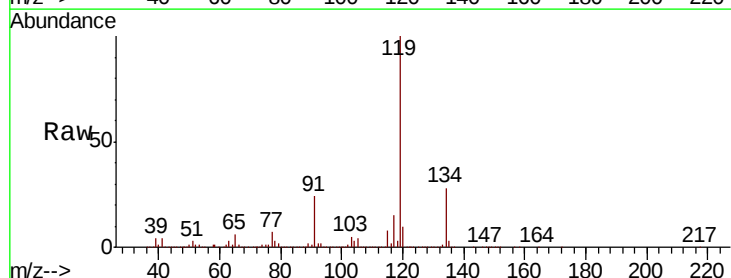
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

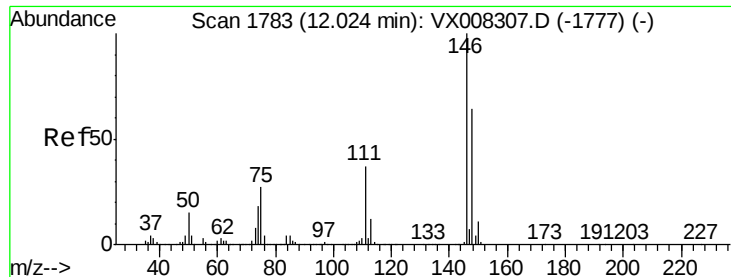
Tgt Ion:105 Resp: 1260913
 Ion Ratio Lower Upper
 105 100
 134 21.3 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 158.570 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion:119 Resp: 1200916
 Ion Ratio Lower Upper
 119 100
 134 27.6 0.0 55.4
 91 24.2 0.0 45.0





#83

1,3-Dichlorobenzene

Concen: 157.220 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

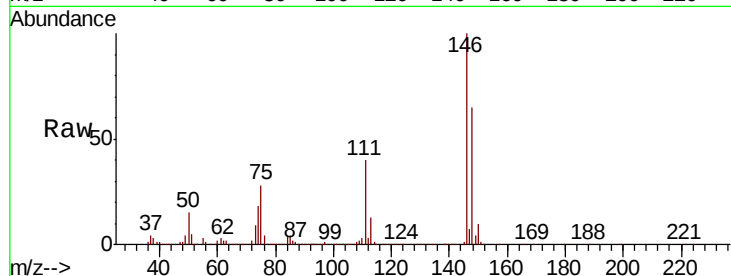
Tgt Ion:146 Resp: 636311

Ion Ratio Lower Upper

146 100

111 38.4 18.8 56.3

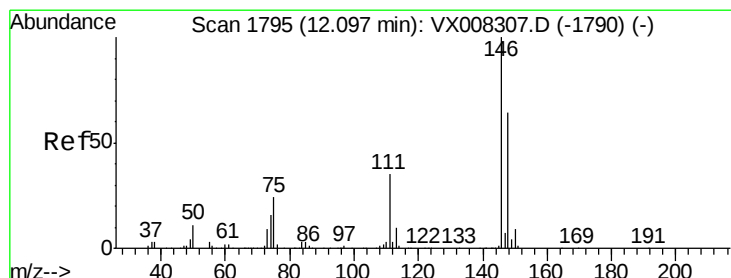
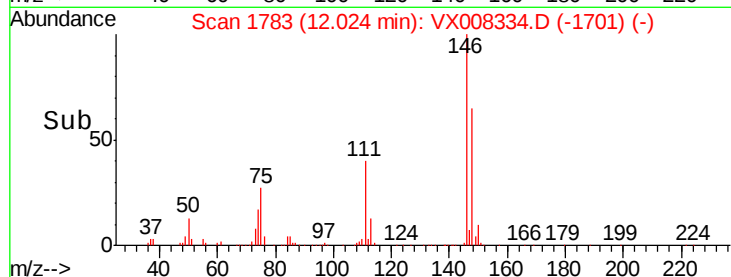
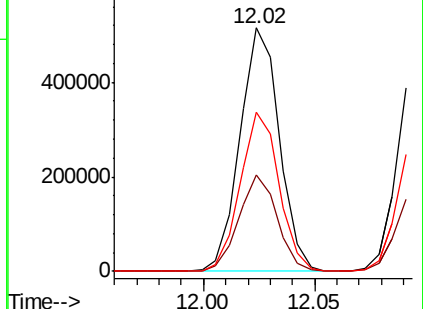
148 64.2 30.6 91.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 159.441 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

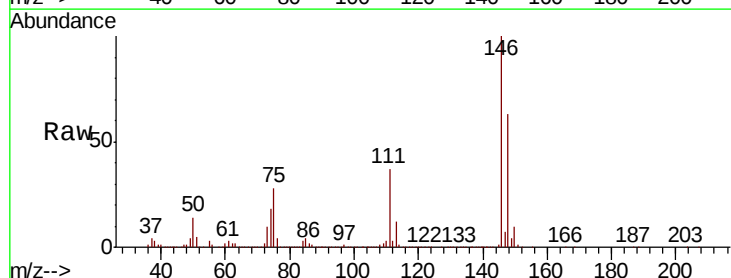
Tgt Ion:146 Resp: 642618

Ion Ratio Lower Upper

146 100

111 37.1 17.6 52.8

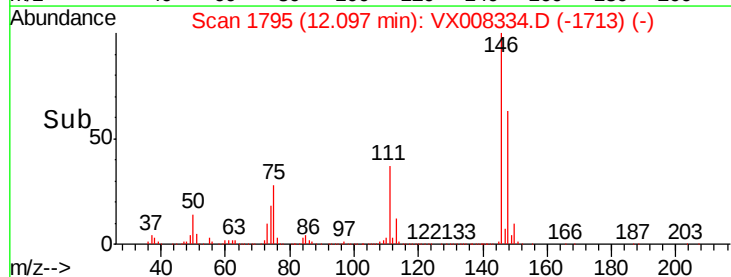
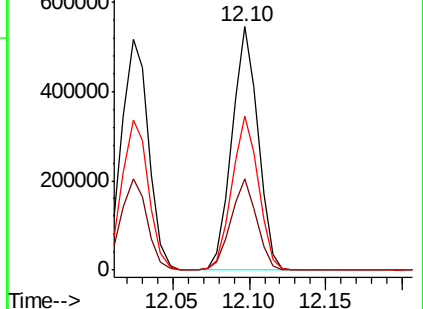
148 63.8 31.4 94.2

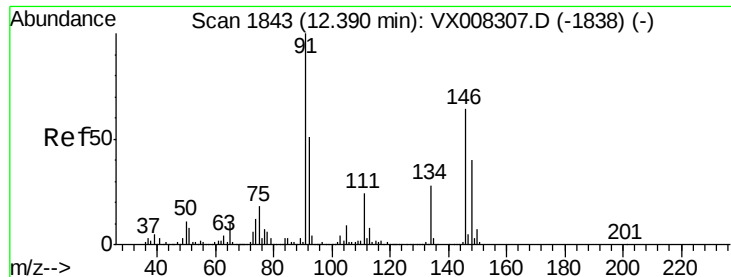


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

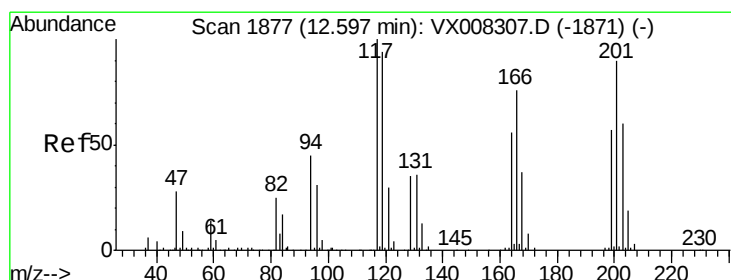
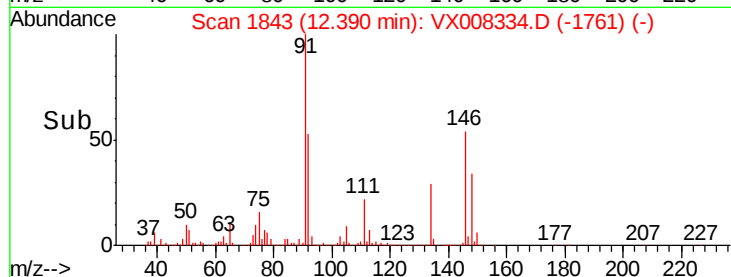
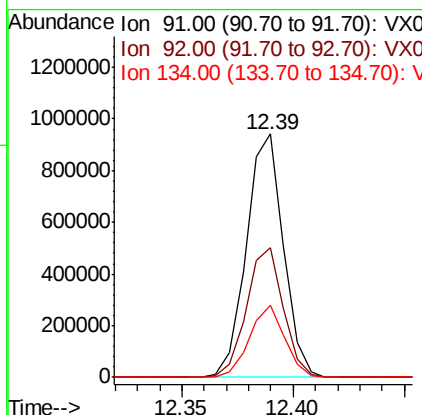
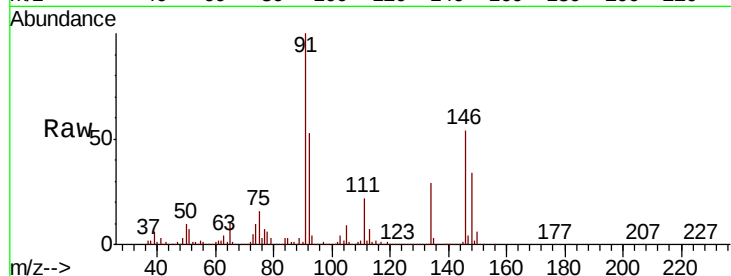




#85
n-Butylbenzene
Concen: 167.361 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

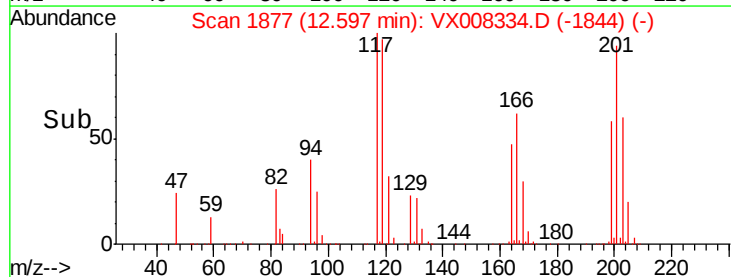
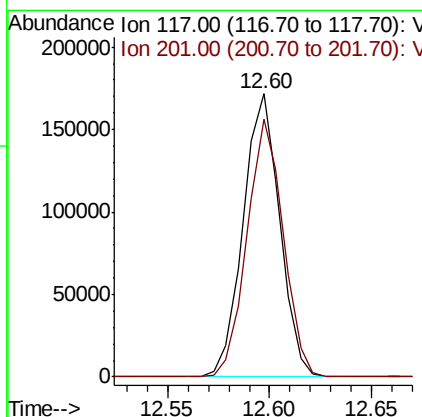
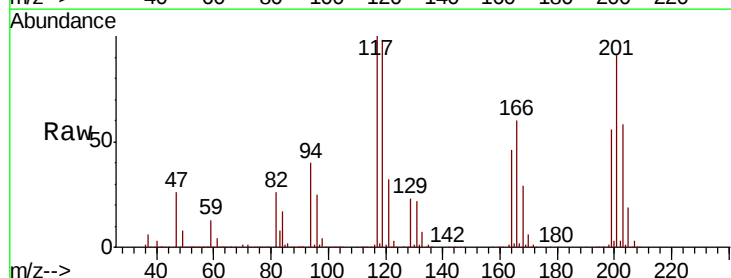
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

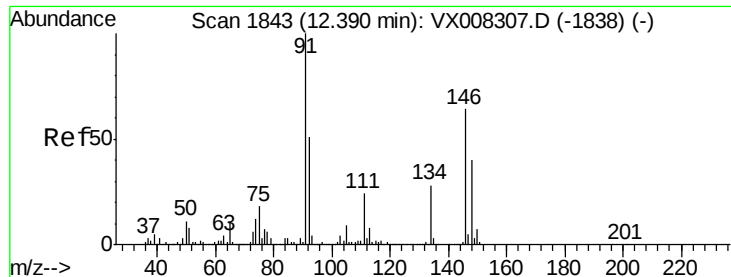
Tgt Ion: 91 Resp: 1090274
Ion Ratio Lower Upper
91 100
92 52.9 0.0 105.2
134 28.0 0.0 56.4



#86
Hexachloroethane
Concen: 163.514 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008334.D
Acq: 22 Mar 2019 12:37

Tgt Ion: 117 Resp: 213429
Ion Ratio Lower Upper
117 100
201 90.5 41.1 123.3

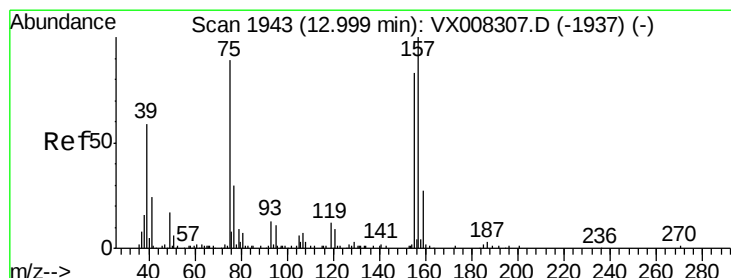
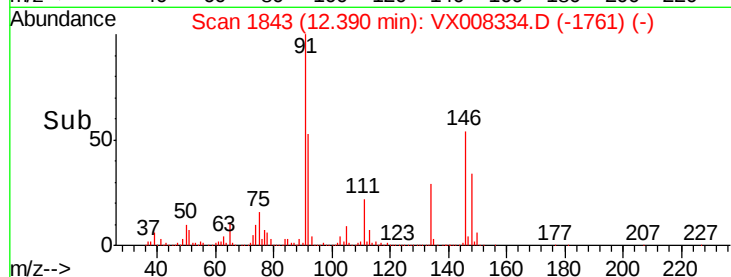
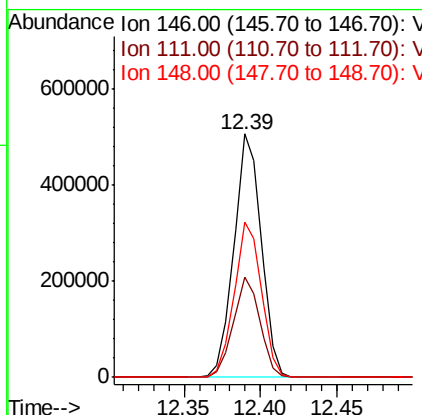
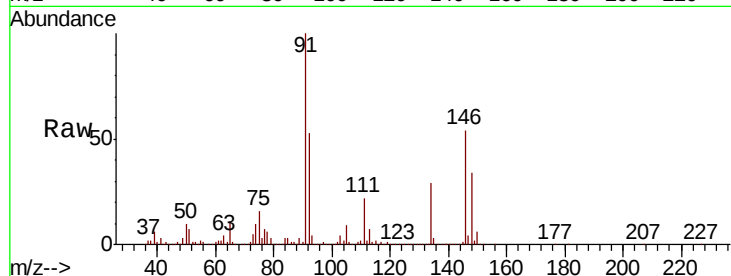




#87
 1,2-Dichlorobenzene
 Concen: 156.865 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

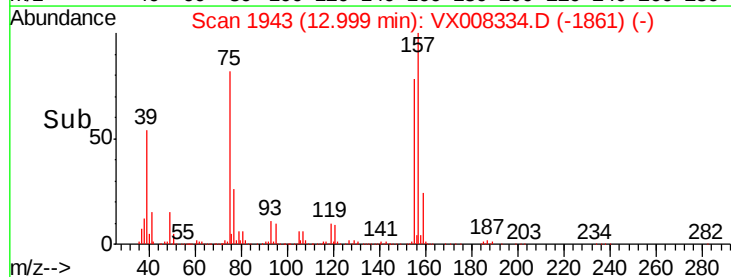
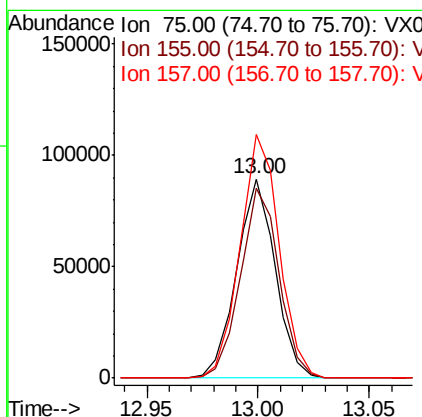
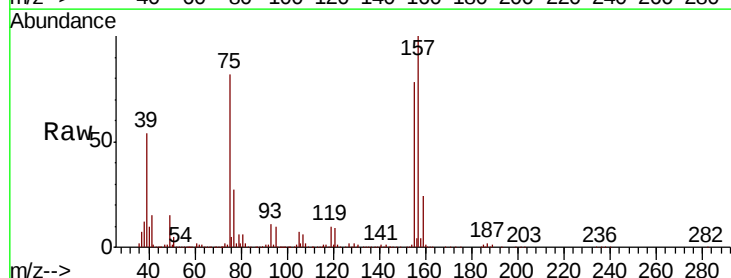
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

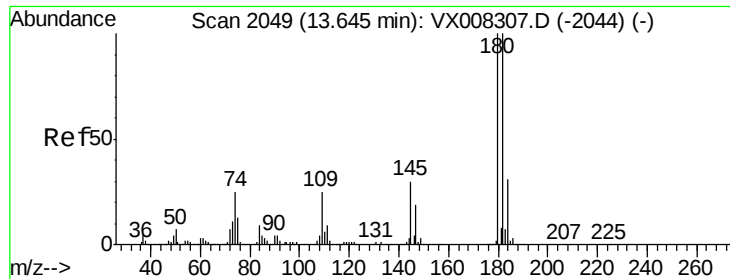
Tgt Ion:146 Resp: 626112
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.3 57.8
 148 63.5 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 164.064 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 107935
 Ion Ratio Lower Upper
 75 100
 155 95.9 81.0 121.6
 157 123.8 103.2 154.8

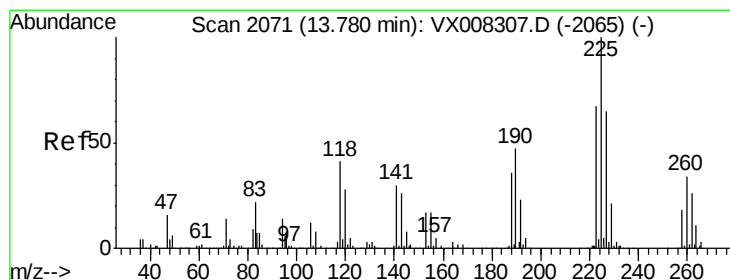
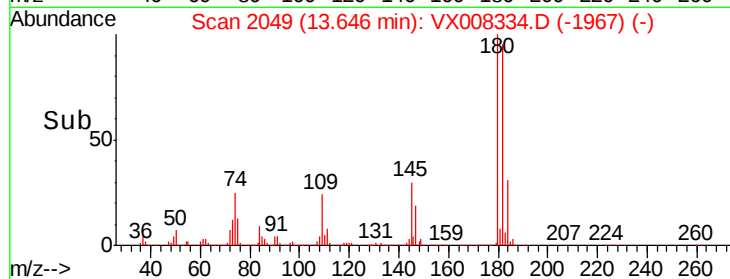
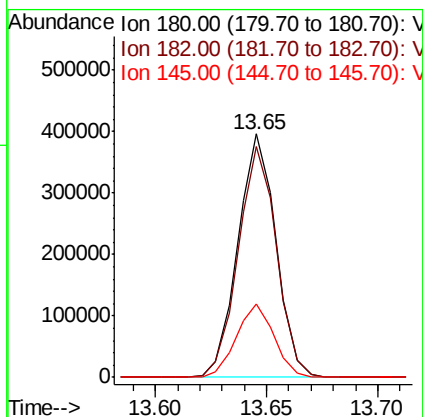
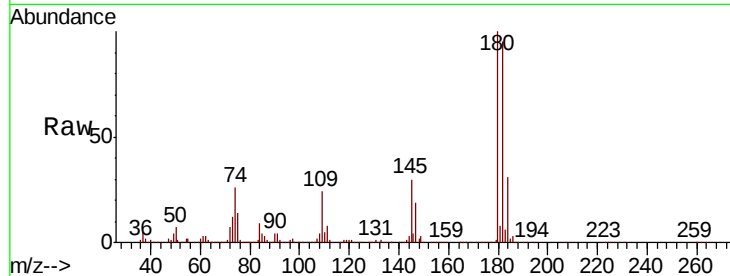




#89
 1,2,4-Trichlorobenzene
 Concen: 167.318 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

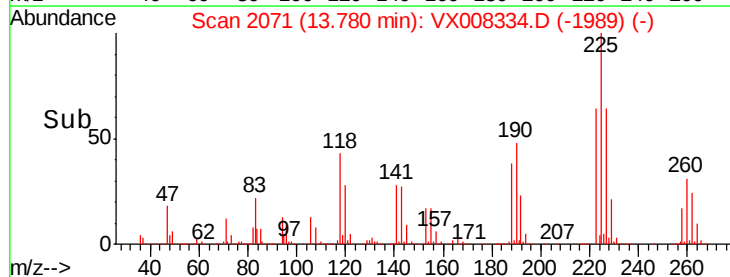
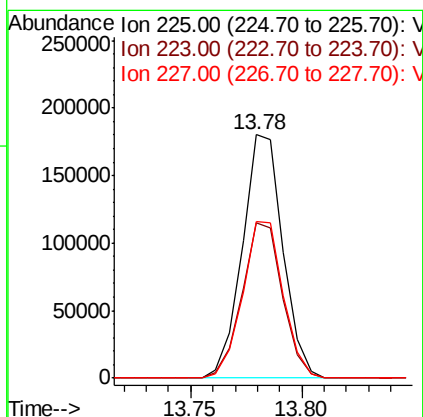
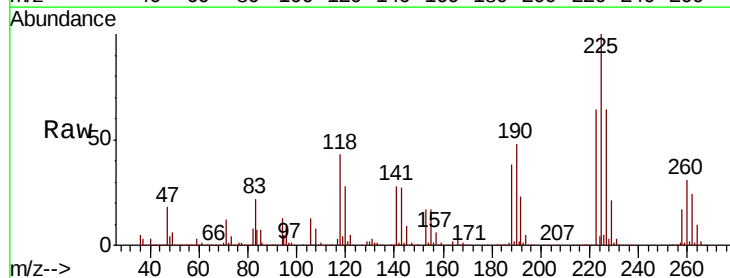
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

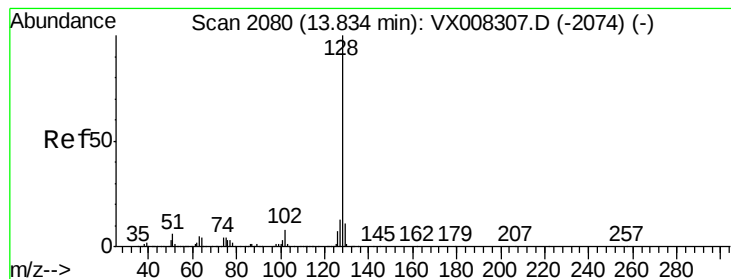
Tgt Ion:180 Resp: 472659
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.6 113.4
 145 29.7 23.0 34.6



#90
 Hexachlorobutadiene
 Concen: 160.897 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008334.D
 Acq: 22 Mar 2019 12:37

Tgt Ion:225 Resp: 228808
 Ion Ratio Lower Upper
 225 100
 223 63.4 0.0 123.8
 227 64.2 0.0 124.4





#91

Naphthalene

Concen: 167.888 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Instrument :

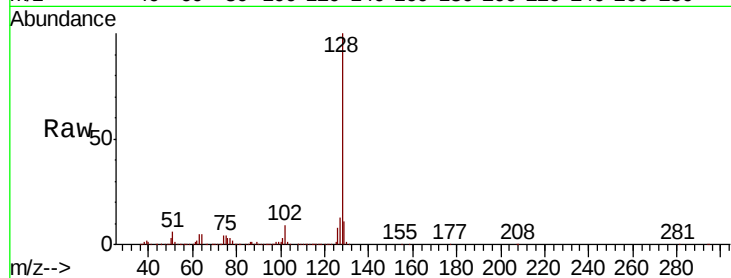
MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 1424427

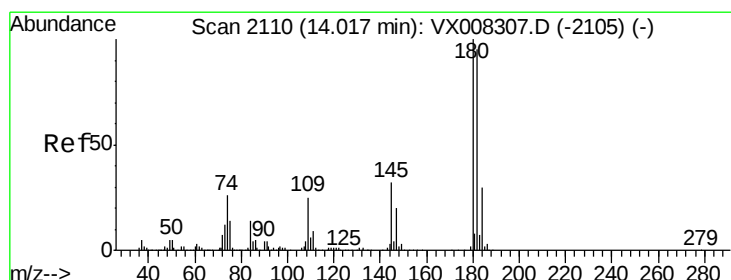
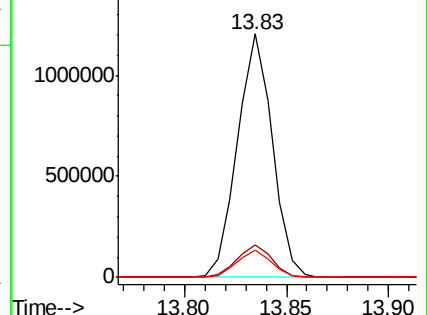
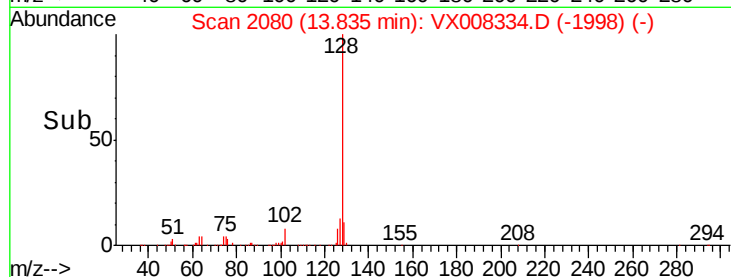
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.0	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 164.095 ug/l

RT: 14.02 min Scan# 2110

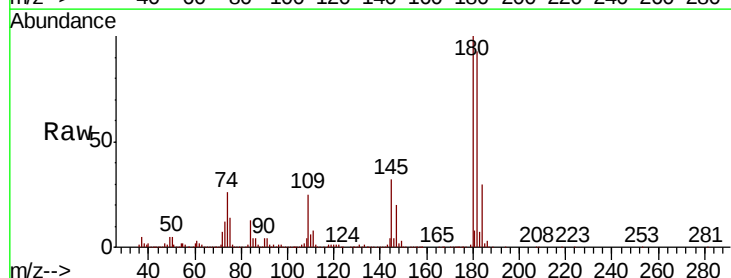
Delta R.T. 0.00 min

Lab File: VX008334.D

Acq: 22 Mar 2019 12:37

Tgt Ion:180 Resp: 468630

Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	193.0
145	31.2	0.0	63.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

