

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX032719\
 Data File : VX008474.D
 Acq On : 27 Mar 2019 11:17
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 27 11:39:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 11:27:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	38609	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	225759	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	205344	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	95406	36.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	120.53%
60) 4-Bromofluorobenzene	11.13	95	107699	32.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	107.40%
63) Toluene-d8	8.71	98	287916	31.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.73%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	271126	130.879	ug/l 98
3) Chloromethane	1.32	50	344893	162.831	ug/l 97
4) Vinyl Chloride	1.41	62	355165	148.776	ug/l 98
5) Bromomethane	1.64	94	194692	44.989	ug/l 98
6) Chloroethane	1.71	64	208134	122.675	ug/l 98
7) Trichlorofluoromethane	1.92	101	389461	102.483	ug/l 99
8) Diethyl Ether	2.19	74	180762	122.645	ug/l 78
9) 1,1,2-Trichlorotrifluoroet	2.38	101	240818	114.582	ug/l 92
10) 1,1-Dichloroethene	2.37	96	248445	119.759	ug/l 83
11) Methyl Iodide	2.51	142	292077	93.137	ug/l 97
12) Methyl Acetate	3.20	43	201189	88.875	ug/l 92
13) Acrolein	2.29	56	310170	874.631	ug/l 97
14) Acrylonitrile	3.15	53	941966	838.479	ug/l 99
15) Acetone	2.45	58	280991	637.840	ug/l 91
16) Carbon Disulfide	2.57	76	778401	135.323	ug/l 99
17) Allyl chloride	2.73	41	568767	185.797	ug/l 89
18) Methylene Chloride	2.85	84	292614	131.028	ug/l 87
19) trans-1,2-Dichloroethene	3.16	96	265164	120.410	ug/l 89
20) Diisopropyl ether	3.86	45	1085292	169.555	ug/l # 95
21) 1,1-Dichloroethane	3.70	63	547503	144.831	ug/l 96
22) cis-1,2-Dichloroethene	4.59	96	306553	120.693	ug/l # 81
23) tert-Butyl Alcohol	3.07	59	382533	838.759	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	915438	137.352	ug/l 99
25) Chloroform	5.21	83	491104	122.467	ug/l 97
26) Cyclohexane	5.58	56	526510	157.487	ug/l # 83
29) 1,1-Dichloropropene	5.80	75	394858	123.144	ug/l 93
30) 2-Butanone	4.68	43	1441431	780.470	ug/l 94
31) 2,2-Dichloropropane	4.59	77	399084	132.195	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	408693	108.326	ug/l 95
33) Carbon Tetrachloride	5.79	117	344942	99.553	ug/l 98
34) Benzene	6.14	78	1187348	124.313	ug/l # 96
35) Methacrylonitrile	5.04	41	295867	171.982	ug/l 93
36) 1,2-Dichloroethane	6.19	62	417119	118.484	ug/l 97
37) Trichloroethene	7.21	130	275892	98.244	ug/l 81
38) Methylcyclohexane	7.46	83	491978	122.424	ug/l 89
39) 1,2-Dichloropropane	7.51	63	336488	138.453	ug/l 99
40) Dibromomethane	7.66	93	196142	110.038	ug/l 89

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	395795	117.018	ug/l	99
42) Vinyl Acetate	3.82	43	4899740	789.317	ug/l #	94
43) Ethyl Acetate	4.59	43	3458	1.061	ug/l	96
44) Isopropyl Acetate	6.45	43	860111	167.648	ug/l	98
45) 1,4-Dioxane	7.74	88	162692	2521.209	ug/l #	84
46) Methyl methacrylate	7.77	41	439920	174.753	ug/l	88
47) n-amyl Acetate	10.90	43	798734	181.587	ug/l	93
48) t-1,3-Dichloropropene	9.04	75	473000	139.675	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	513192	135.808	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	290457	113.427	ug/l	97
51) Ethyl methacrylate	9.18	69	565129	151.164	ug/l	92
52) 1,3-Dichloropropane	9.37	76	518709	126.304	ug/l	99
53) Dibromochloromethane	9.59	129	301714	104.522	ug/l	99
54) 1,2-Dibromoethane	9.67	107	302704	107.741	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	1572001	835.777	ug/l	95
56) Bromoform	10.85	173	229178	100.564	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	2821569	816.100	ug/l	96
59) 2-Hexanone	9.49	43	2186150	799.347	ug/l	97
61) Tetrachloroethene	9.34	164	225287	81.503	ug/l	98
62) Toluene	8.79	91	1247506	114.453	ug/l	100
64) Chlorobenzene	10.14	112	745666	106.116	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	269536	100.432	ug/l	98
66) Ethyl Benzene	10.25	91	1411309	119.727	ug/l	96
67) m/p-Xylenes	10.36	106	1039932	221.970	ug/l	91
68) o-Xylene	10.70	106	504035	111.993	ug/l	92
69) Styrene	10.71	104	901811	118.687	ug/l	96
70) Isopropylbenzene	11.02	105	1325639	111.952	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	496853	123.051	ug/l	97
72) 1,2,3-Trichloropropane	11.30	75	601606	184.963	ug/l	90
73) Bromobenzene	11.26	156	324622	99.085	ug/l	79
74) n-propylbenzene	11.36	91	1601147	121.311	ug/l	95
75) 2-Chlorotoluene	11.42	91	950667	120.608	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	1149276	113.613	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	184981	160.537	ug/l	88
78) 4-Chlorotoluene	11.51	91	1105957	119.218	ug/l	92
79) tert-butylbenzene	12.06	119	1181858	111.070	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	1148162	114.223	ug/l	95
81) sec-Butylbenzene	11.94	105	1307673	113.335	ug/l	96
82) p-Isopropyltoluene	12.06	119	1181858	111.070	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	577080	101.484	ug/l	95
84) 1,4-Dichlorobenzene	12.10	146	576357	101.781	ug/l	96
85) n-Butylbenzene	12.38	91	1156994	126.408	ug/l	97
86) Hexachloroethane	12.60	117	208552	113.721	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	569310	101.519	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	111705	120.850	ug/l #	78
89) 1,2,4-Trichlorobenzene	13.65	180	399908	100.759	ug/l	99
90) Hexachlorobutadiene	13.78	225	187953	94.070	ug/l	98
91) Naphthalene	13.83	128	1327365	111.351	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	390626	97.353	ug/l	99

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ClientSampleId :
VSTDICC100

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 11:27:58 2019
Response via : Initial Calibration

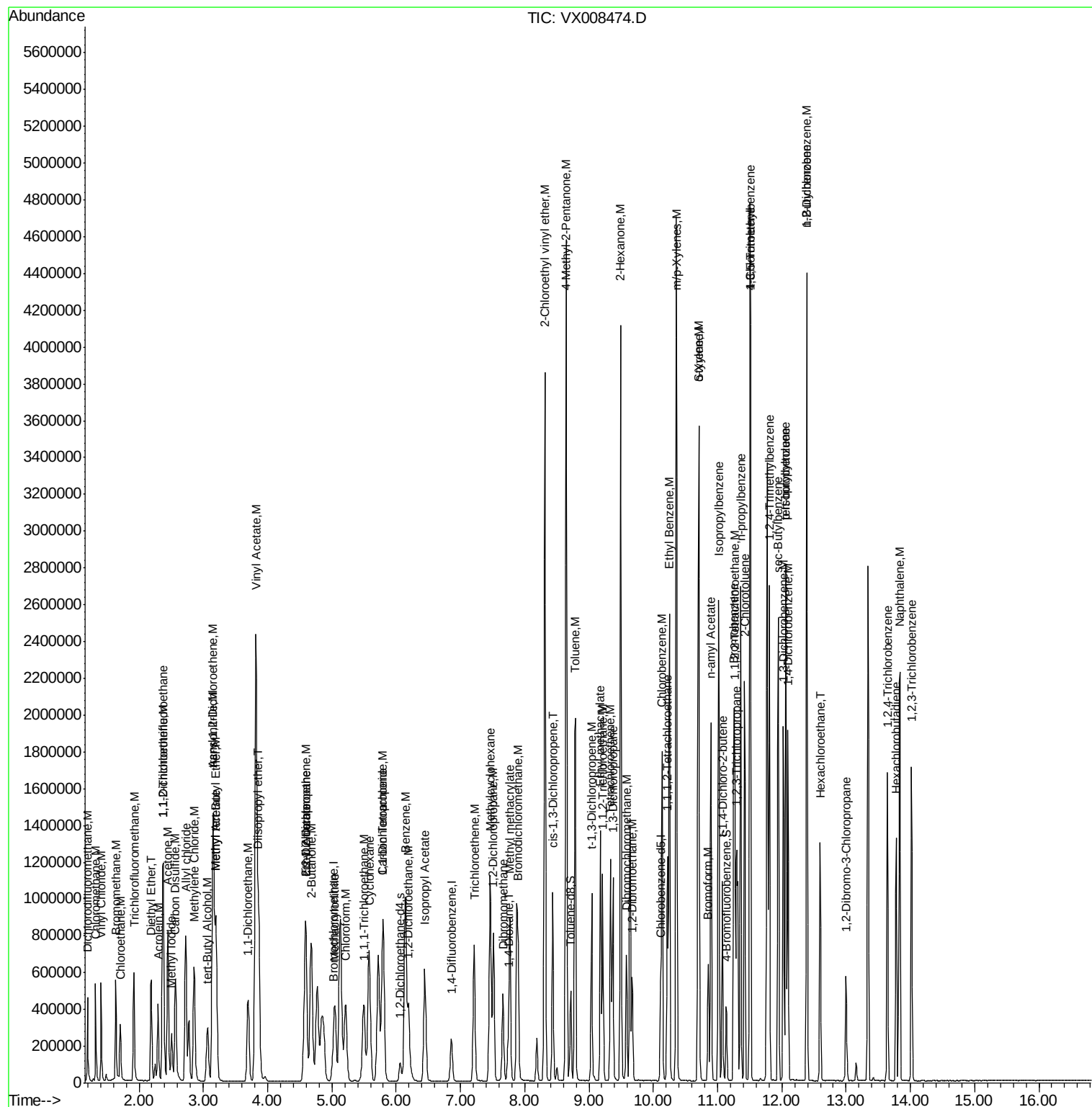
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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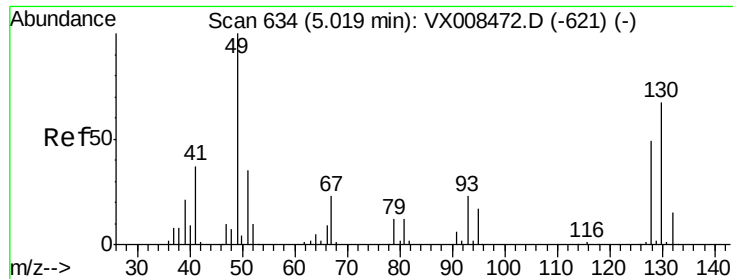
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX032719\
 Data File : VX008474.D
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 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC100

Quant Time: Mar 27 11:39:55 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X032719W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

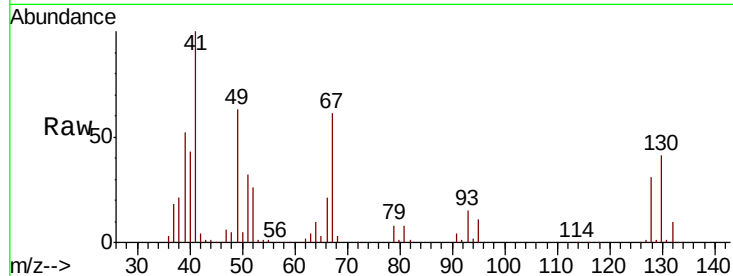
Tgt Ion:128 Resp: 38609

Ion Ratio Lower Upper

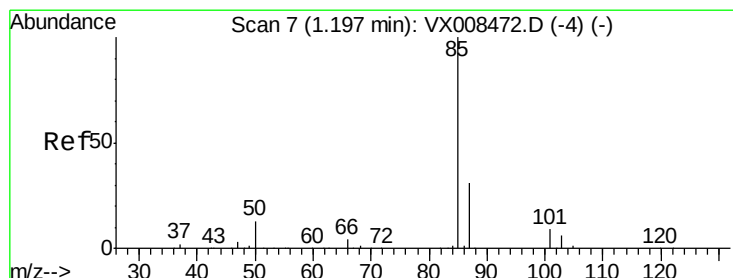
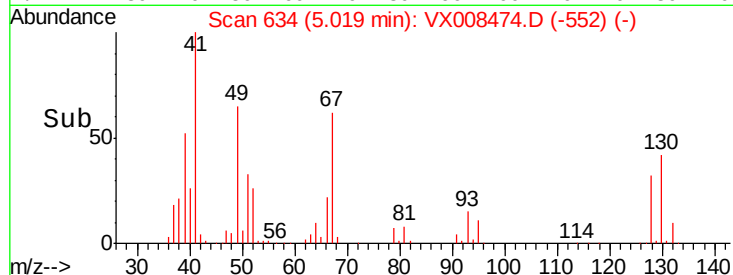
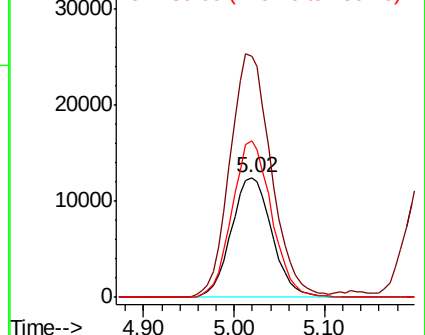
128 100

49 207.7 0.0 350.8

130 127.3 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: 130.879 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008474.D

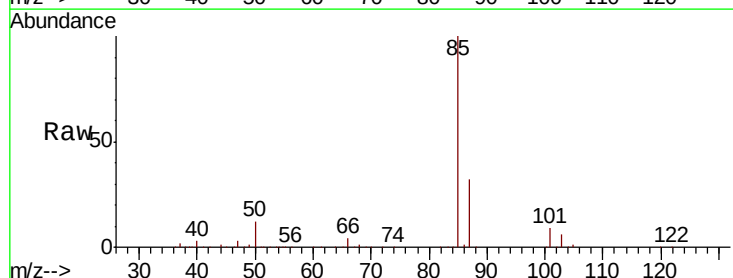
Acq: 27 Mar 2019 11:17

Tgt Ion: 85 Resp: 271126

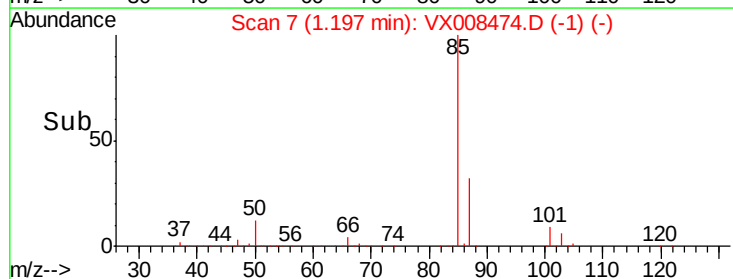
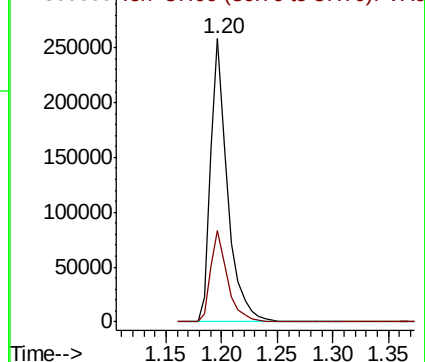
Ion Ratio Lower Upper

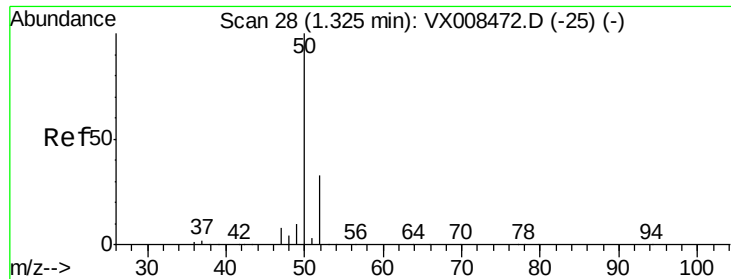
85 100

87 32.3 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: 162.831 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

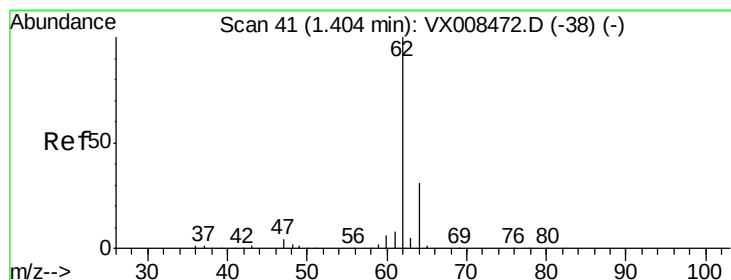
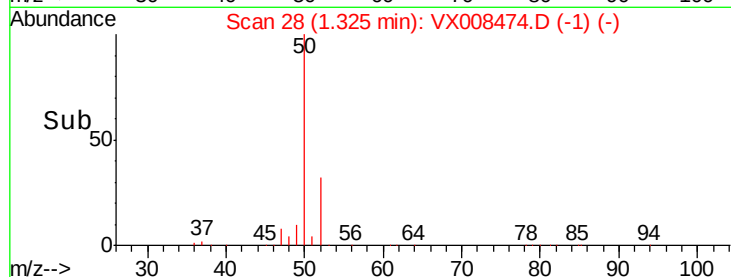
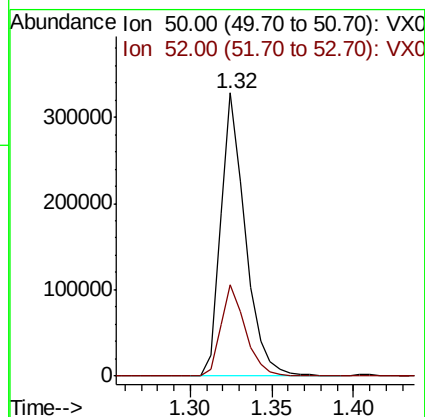
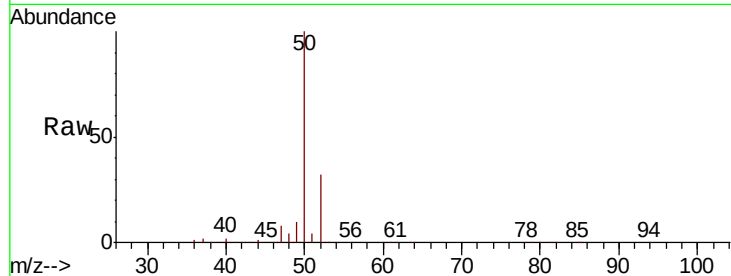
VSTDIC100

Tgt Ion: 50 Resp: 344893

Ion Ratio Lower Upper

50 100

52 32.4 27.5 41.3



#4

Vinyl Chloride

Concen: 148.776 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX008474.D

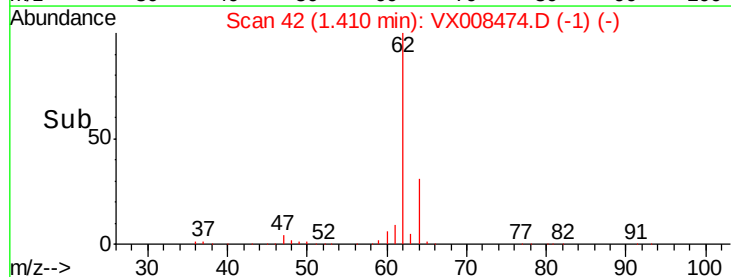
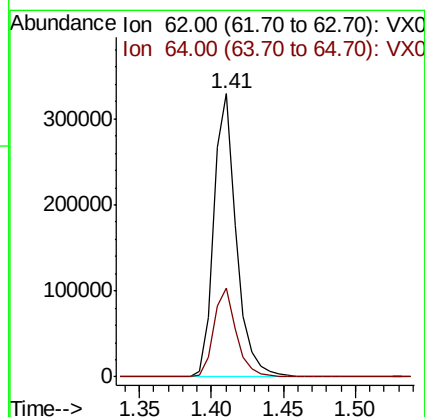
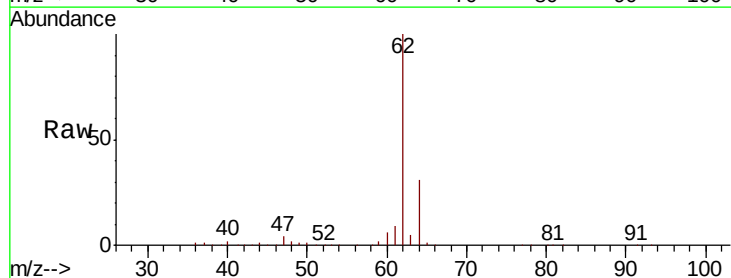
Acq: 27 Mar 2019 11:17

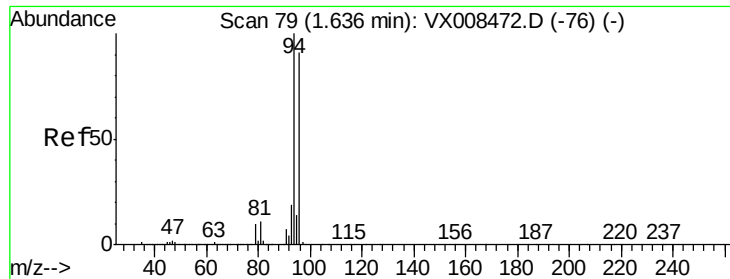
Tgt Ion: 62 Resp: 355165

Ion Ratio Lower Upper

62 100

64 31.3 25.9 38.9





#5

Bromomethane

Concen: 44.989 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

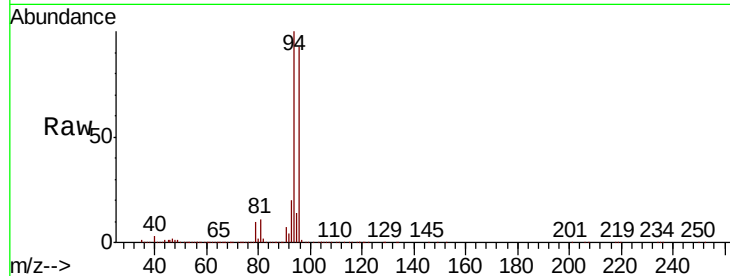
VSTDIC100

Tgt Ion: 94 Resp: 194692

Ion Ratio Lower Upper

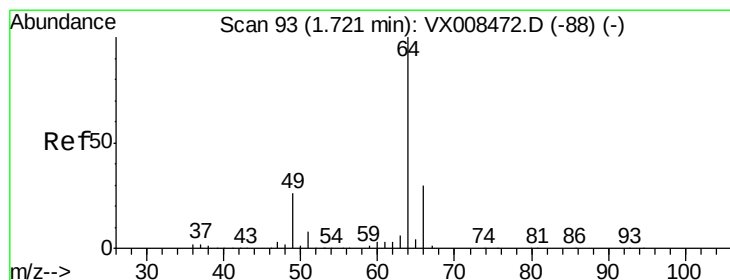
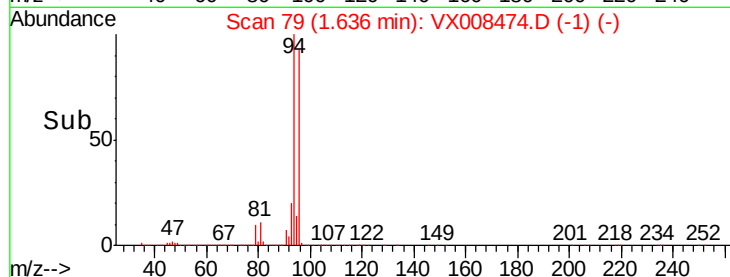
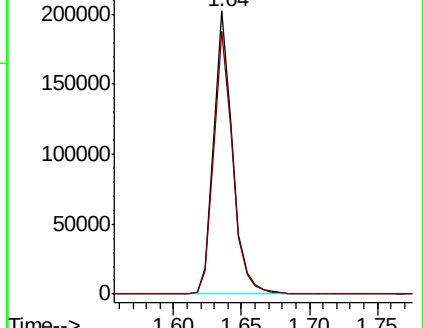
94 100

96 92.8 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: 122.675 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008474.D

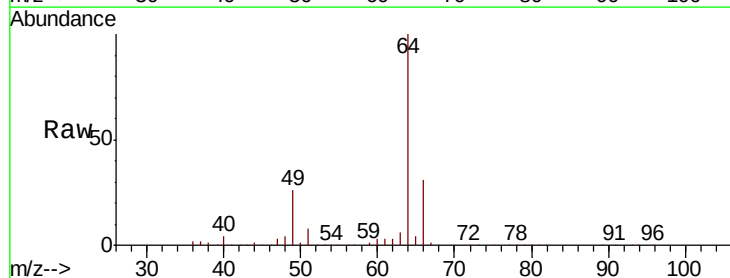
Acq: 27 Mar 2019 11:17

Tgt Ion: 64 Resp: 208134

Ion Ratio Lower Upper

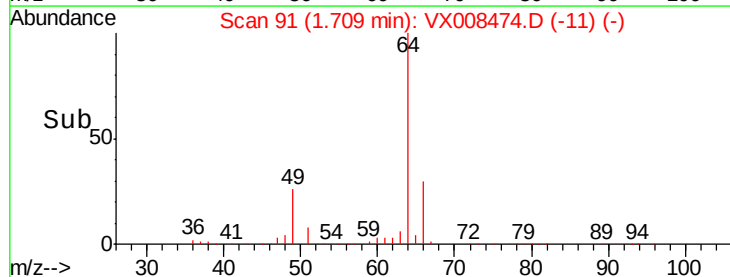
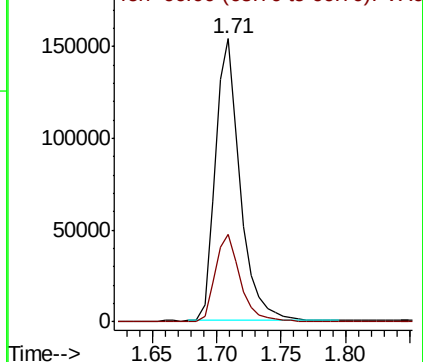
64 100

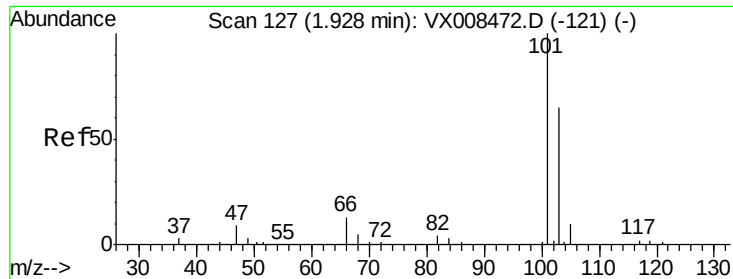
66 30.9 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



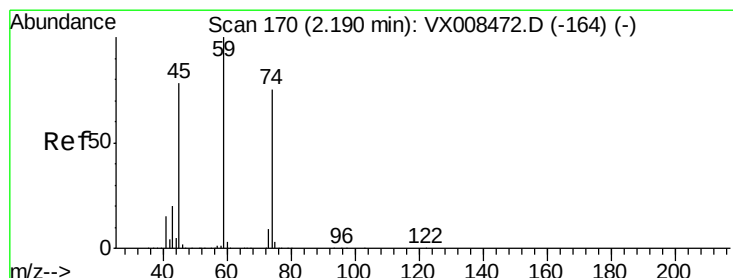
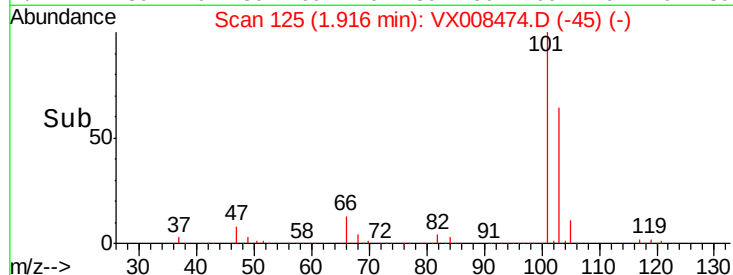
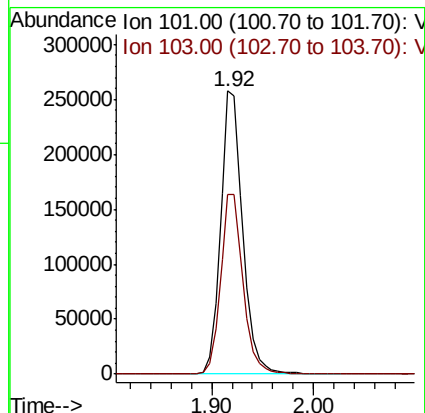
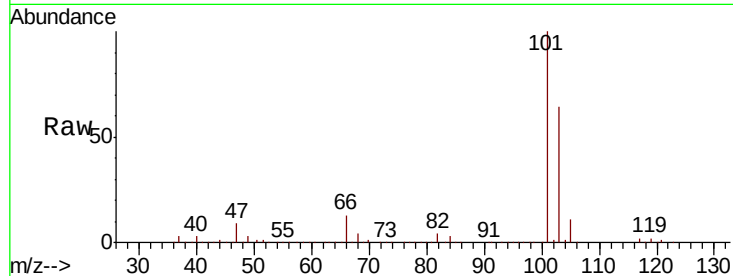


#7

Trichlorofluoromethane
Concen: 102.483 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

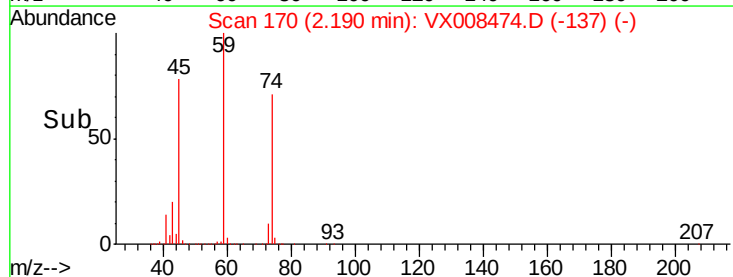
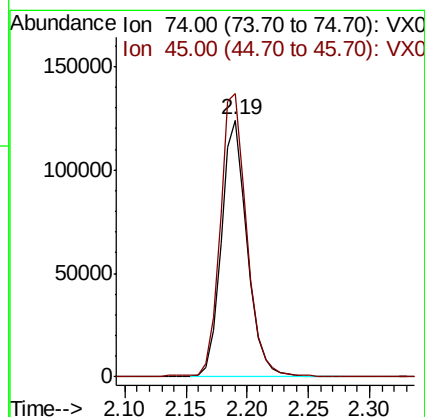
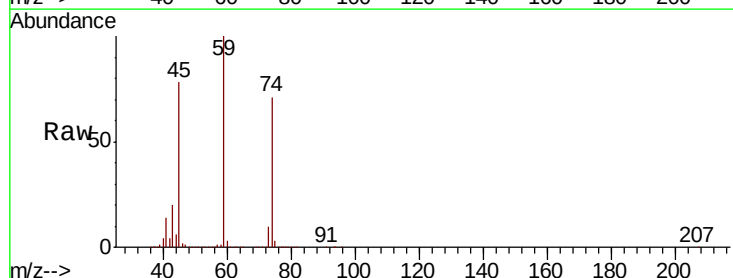
Tgt Ion:101 Resp: 389461
Ion Ratio Lower Upper
101 100
103 63.7 50.4 75.6

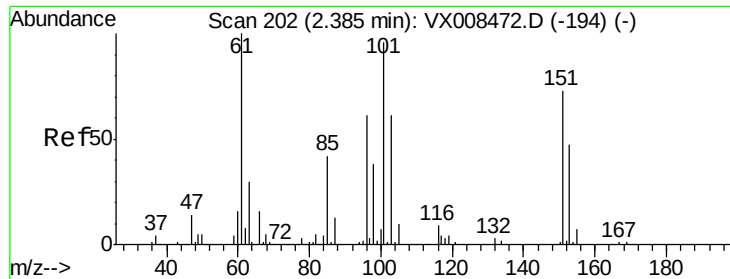


#8

Diethyl Ether
Concen: 122.645 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion: 74 Resp: 180762
Ion Ratio Lower Upper
74 100
45 114.3 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 114.582 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

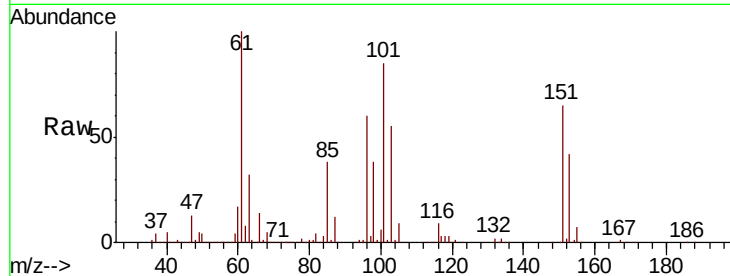
Tgt Ion: 101 Resp: 240818

Ion Ratio Lower Upper

101 100

85 44.4 0.0 86.8

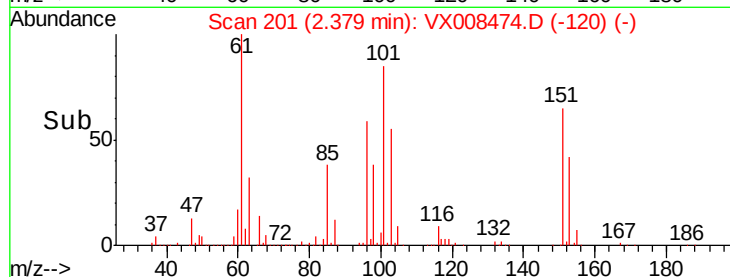
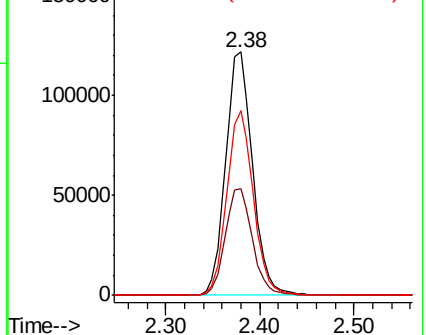
151 75.0 0.0 169.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 119.759 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

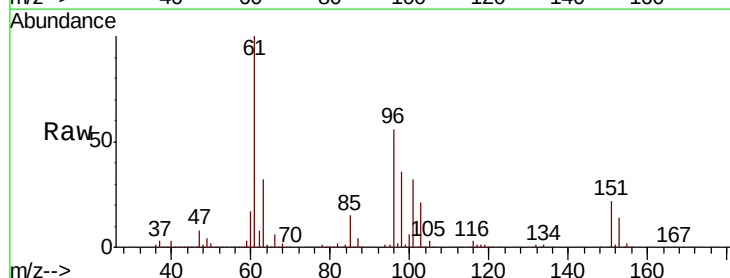
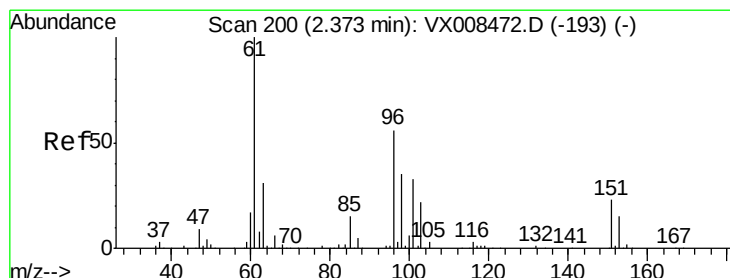
Tgt Ion: 96 Resp: 248445

Ion Ratio Lower Upper

96 100

61 178.7 120.2 180.2

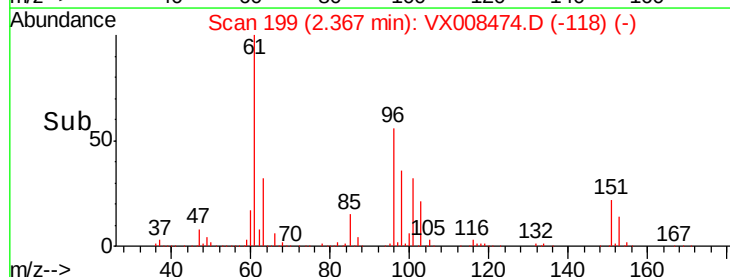
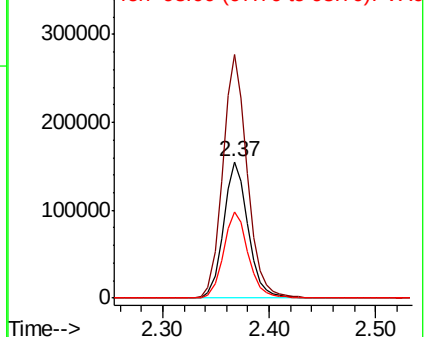
98 63.6 49.0 73.4

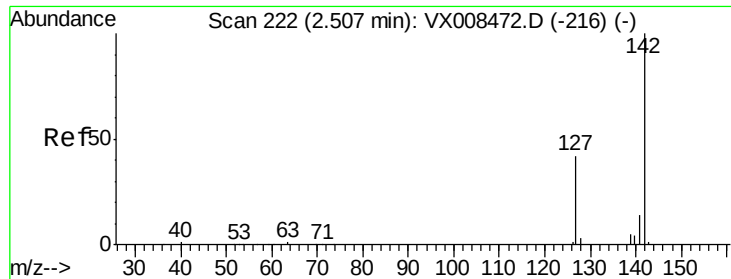


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

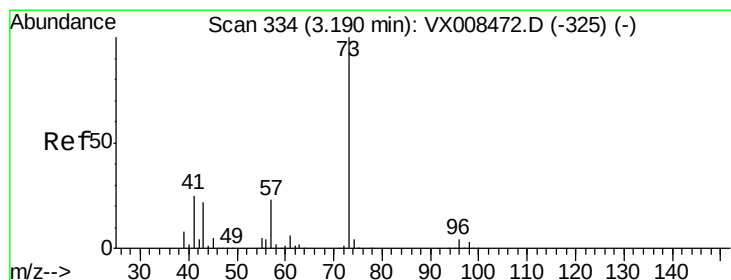
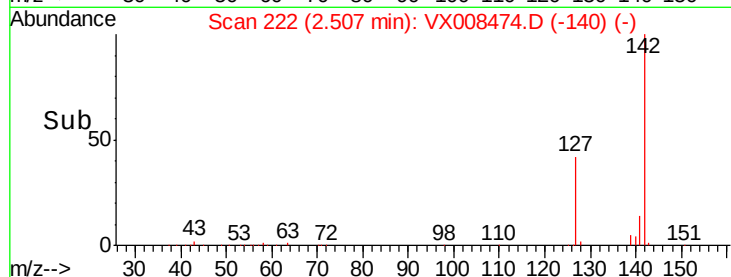
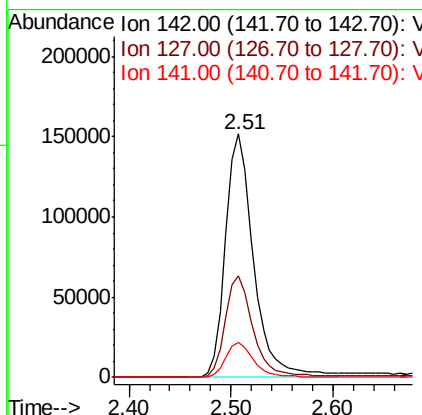
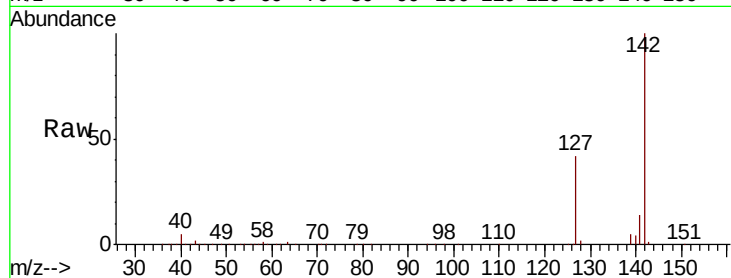




#11
Methyl Iodide
Concen: 93.137 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

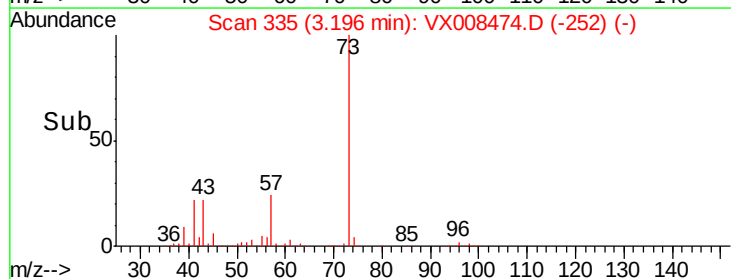
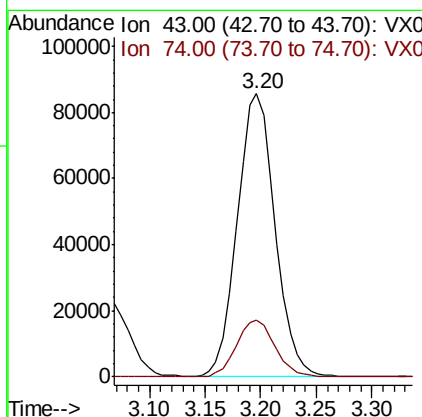
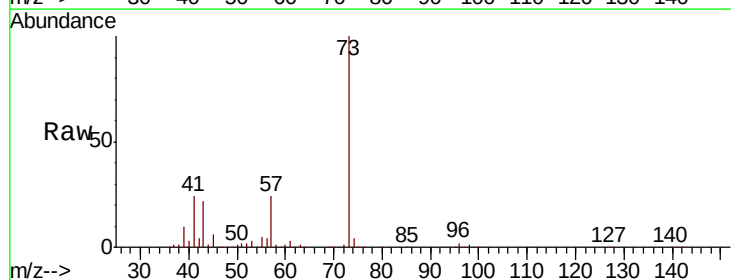
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

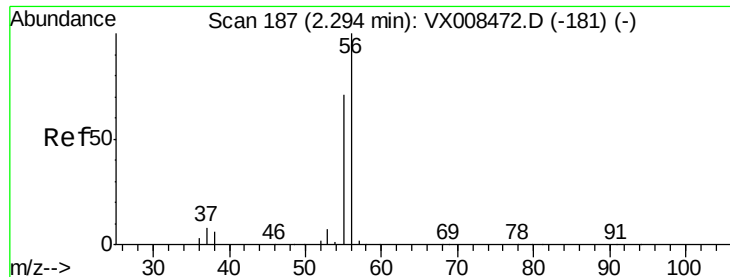
Tgt Ion: 142 Resp: 292077
Ion Ratio Lower Upper
142 100
127 41.7 22.1 66.5
141 14.1 7.4 22.3



#12
Methyl Acetate
Concen: 88.875 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion: 43 Resp: 201189
Ion Ratio Lower Upper
43 100
74 20.0 19.4 29.0





#13

Acrolein

Concen: 874.631 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

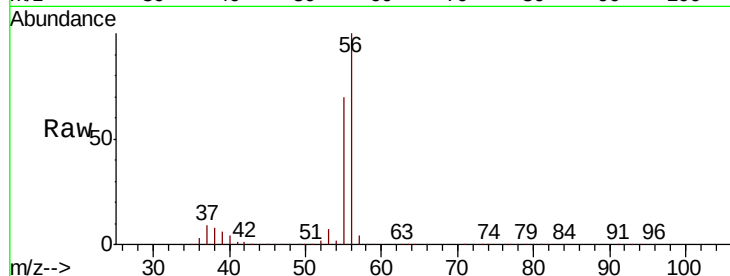
VSTDIC100

Tgt Ion: 56 Resp: 310170

Ion Ratio Lower Upper

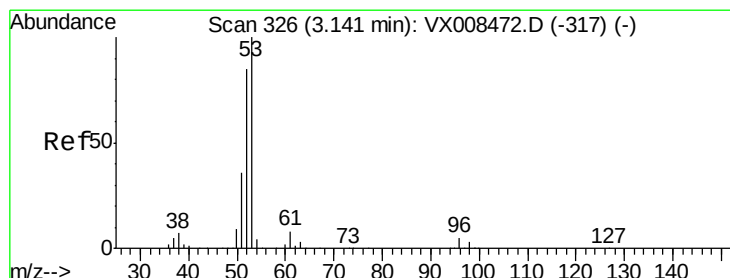
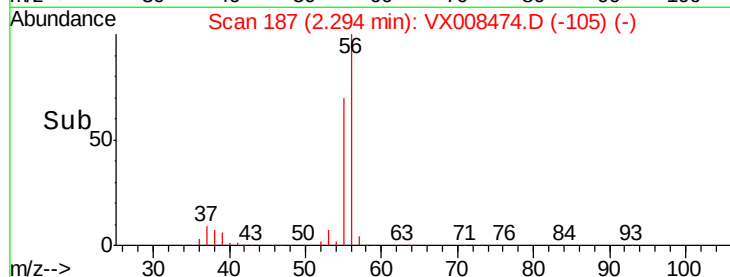
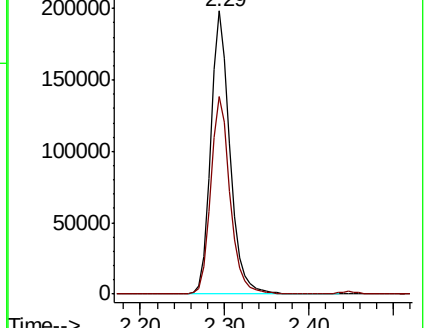
56 100

55 70.3 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 838.479 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

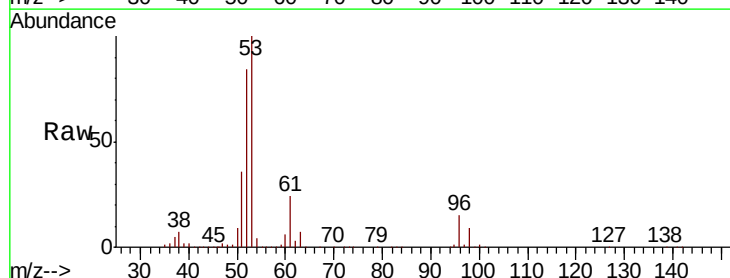
Tgt Ion: 53 Resp: 941966

Ion Ratio Lower Upper

53 100

52 83.5 41.3 124.1

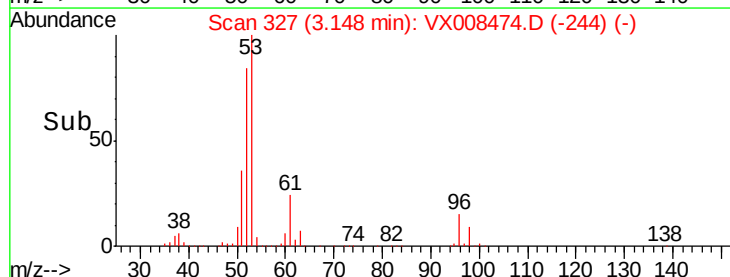
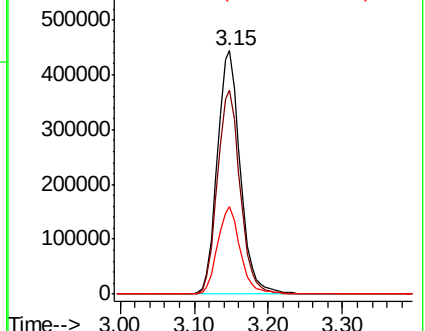
51 35.5 17.5 52.6

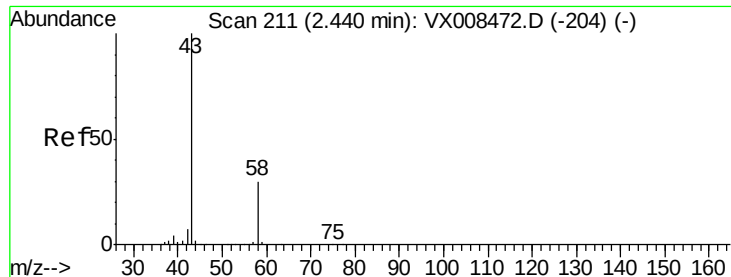


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 637.840 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

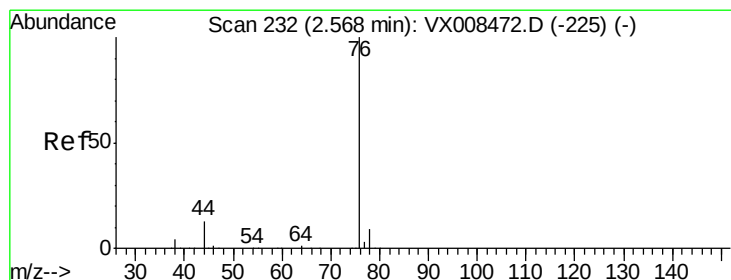
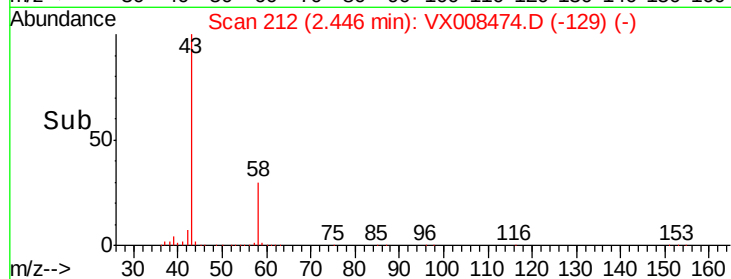
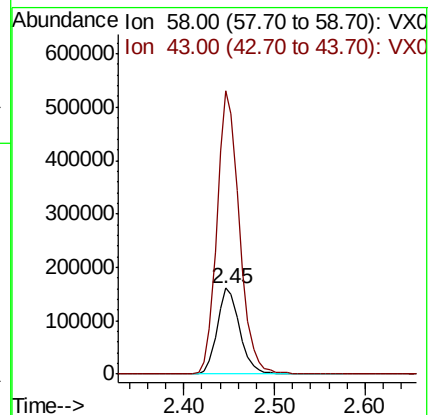
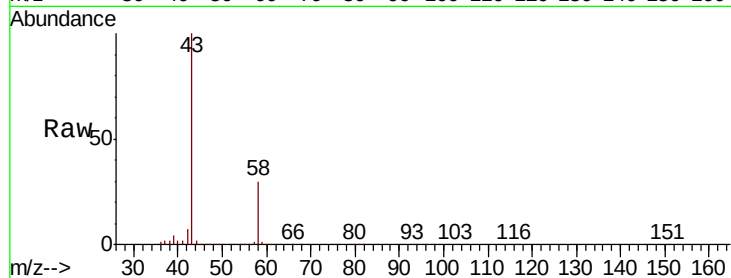
VSTDIC100

Tgt Ion: 58 Resp: 280991

Ion Ratio Lower Upper

58 100

43 330.2 249.8 374.6



#16

Carbon Disulfide

Concen: 135.323 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008474.D

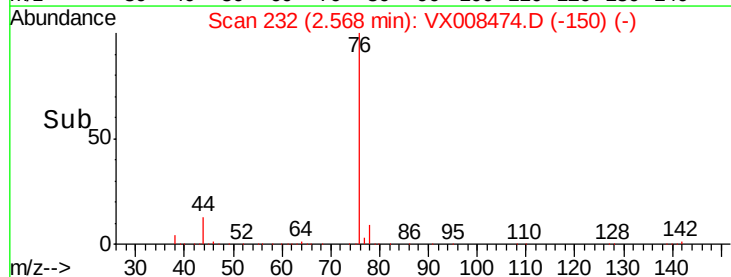
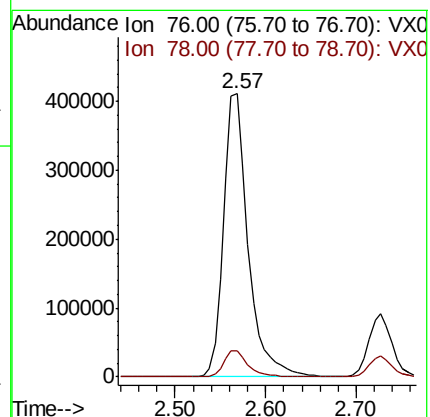
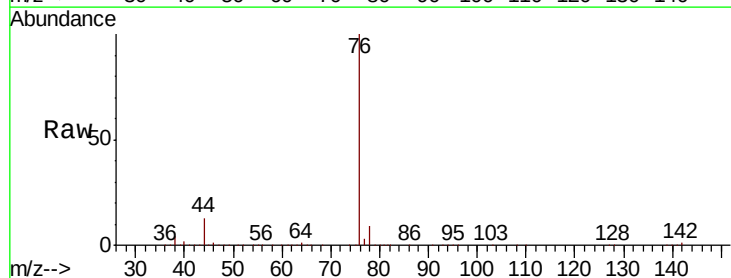
Acq: 27 Mar 2019 11:17

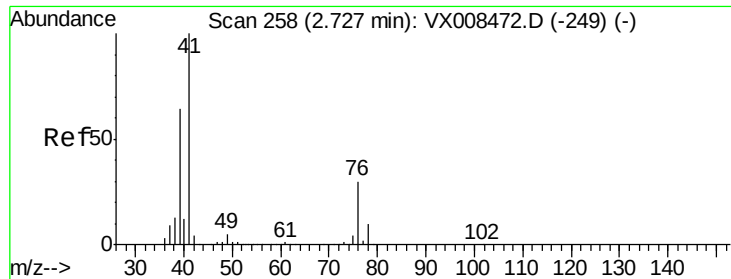
Tgt Ion: 76 Resp: 778401

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

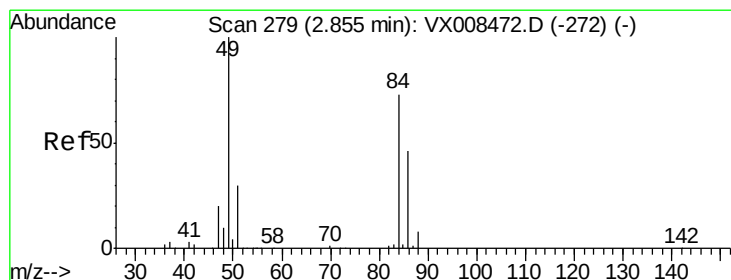
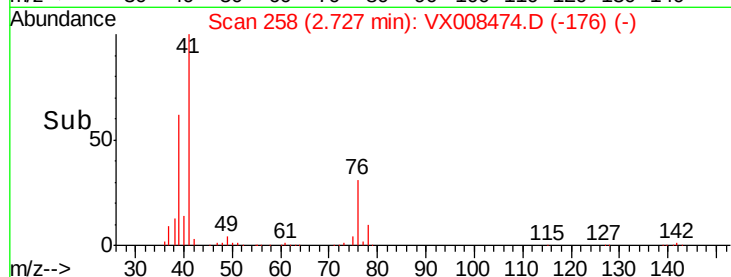
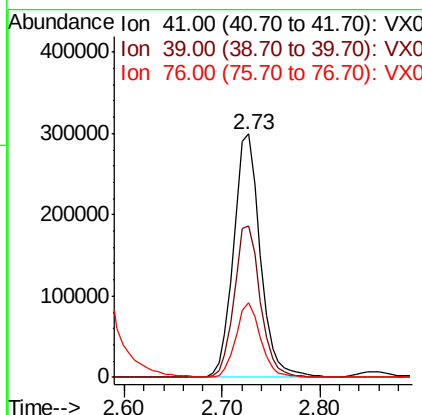
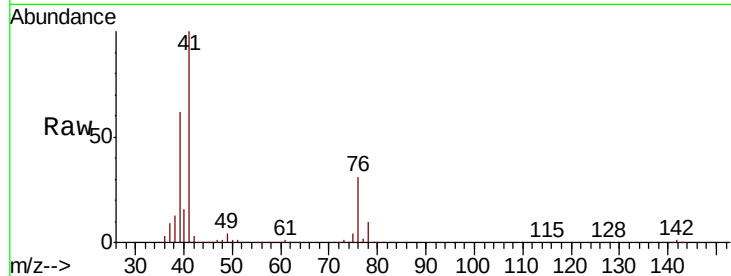




#17
 Allyl chloride
 Concen: 185.797 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

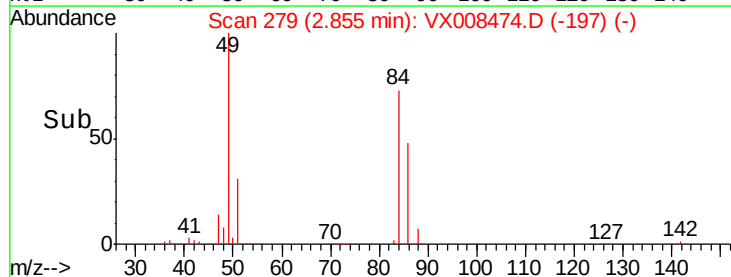
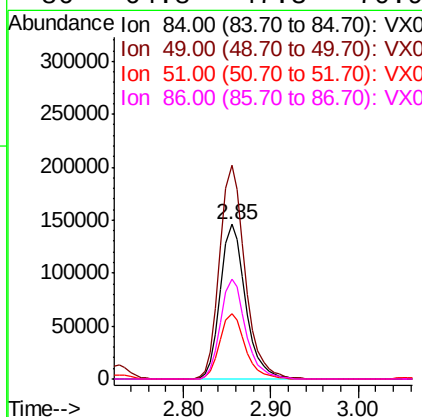
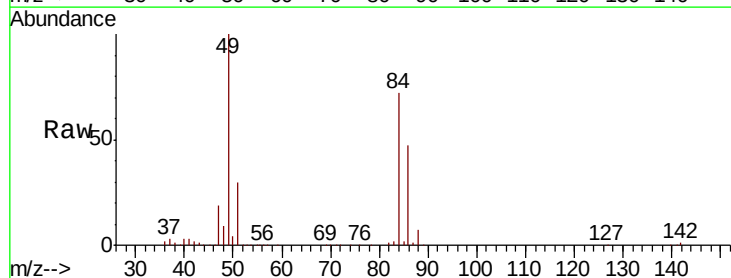
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

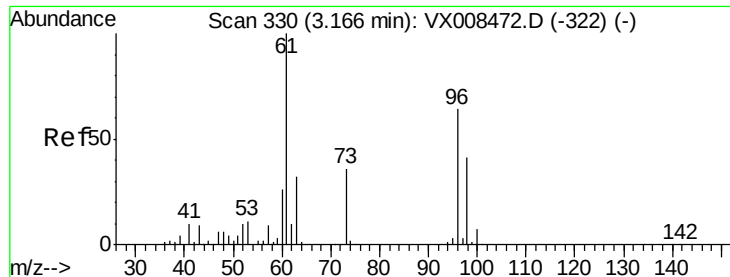
Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.2	35.8	107.4
76	30.5	18.3	54.9



#18
 Methylene Chloride
 Concen: 131.028 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.2	96.1	144.1
51	42.1	29.1	43.7
86	64.8	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 120.410 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

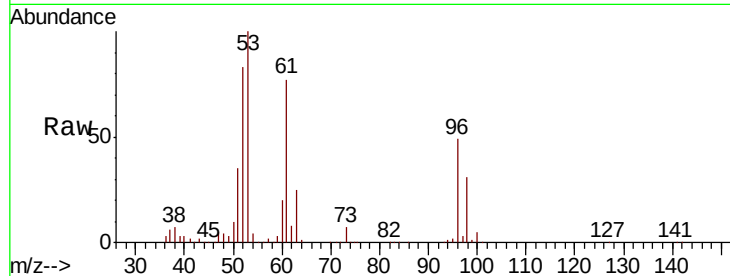
Tgt Ion: 96 Resp: 265164

Ion Ratio Lower Upper

96 100

61 156.6 109.9 164.9

98 62.8 50.4 75.6

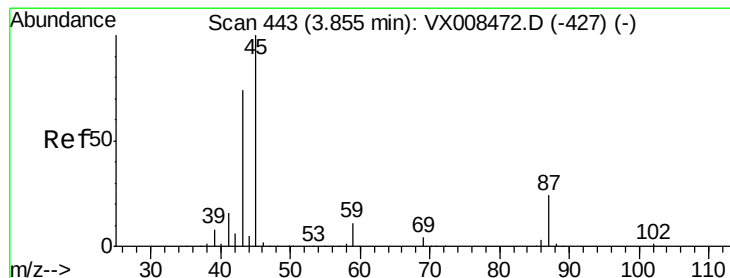
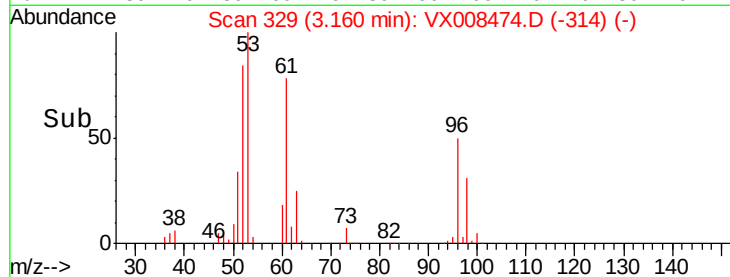
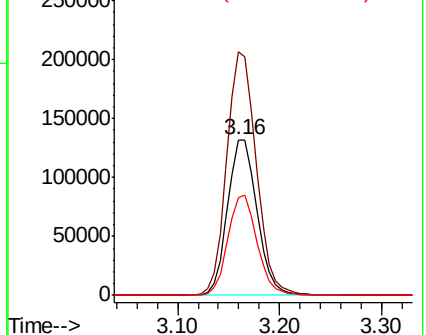


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 169.555 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Tgt Ion: 45 Resp: 1085292

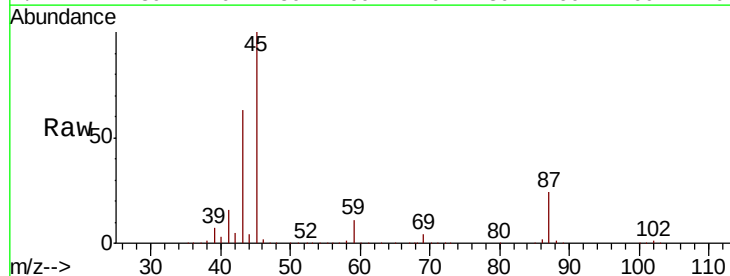
Ion Ratio Lower Upper

45 100

43 62.7 50.6 76.0

87 23.5 24.5 36.7#

59 11.0 10.2 15.2



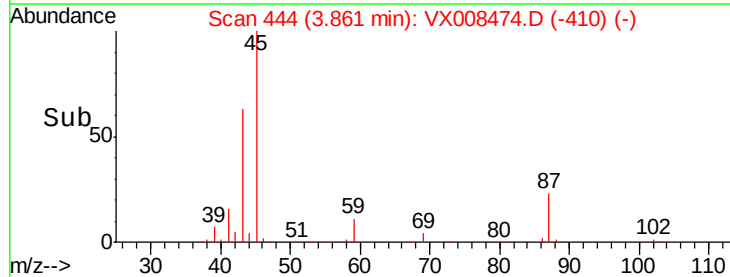
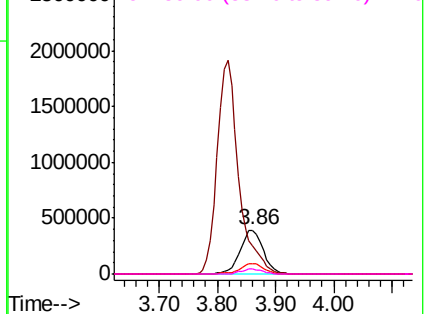
Abundance

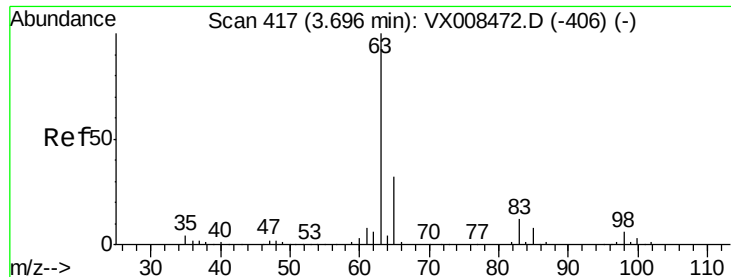
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 144.831 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

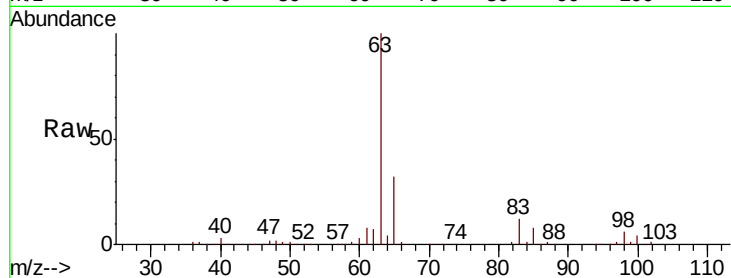
Tgt Ion: 63 Resp: 547503

Ion Ratio Lower Upper

63 100

98 6.1 3.8 11.4

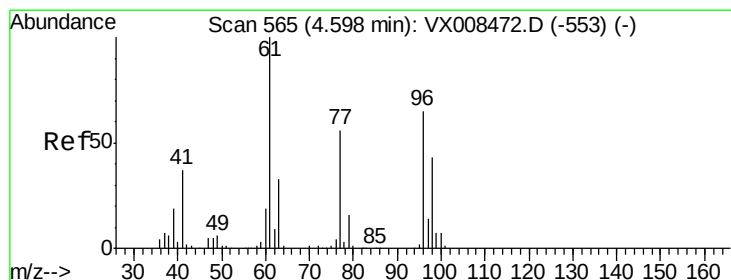
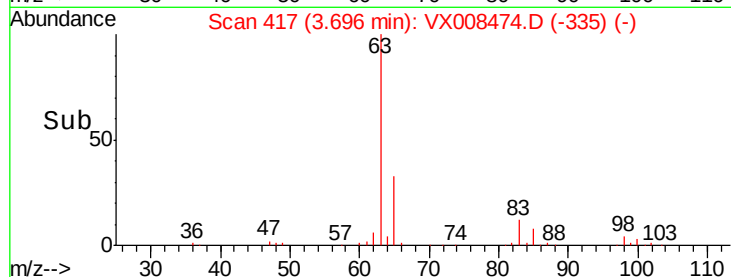
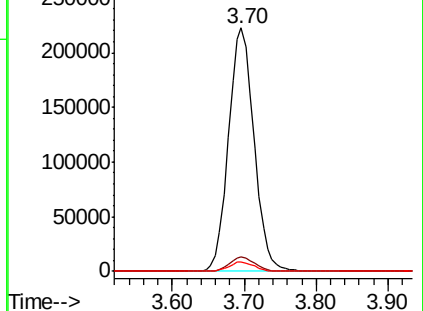
100 3.7 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 120.693 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

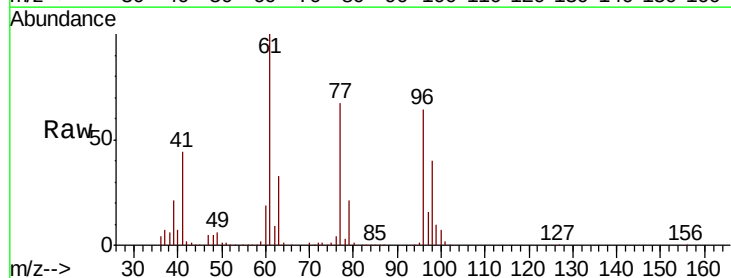
Tgt Ion: 96 Resp: 306553

Ion Ratio Lower Upper

96 100

61 162.1 103.5 155.3#

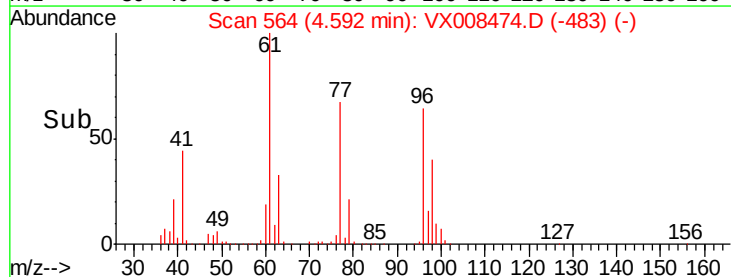
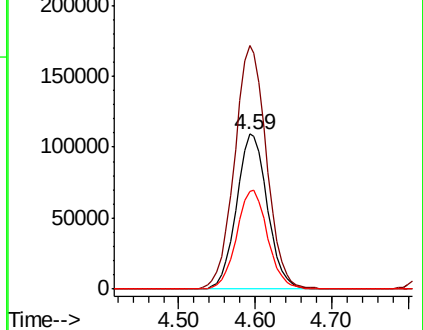
98 64.0 52.1 78.1

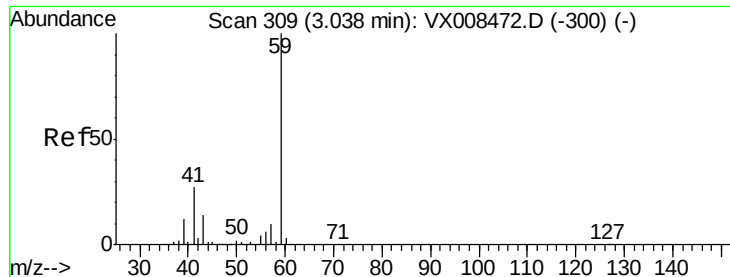


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



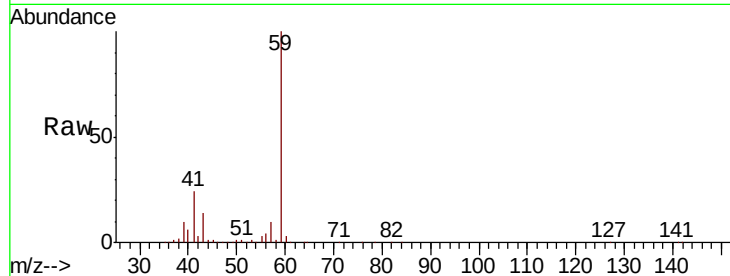


#23

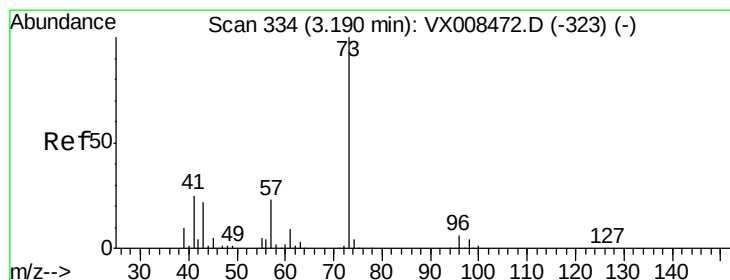
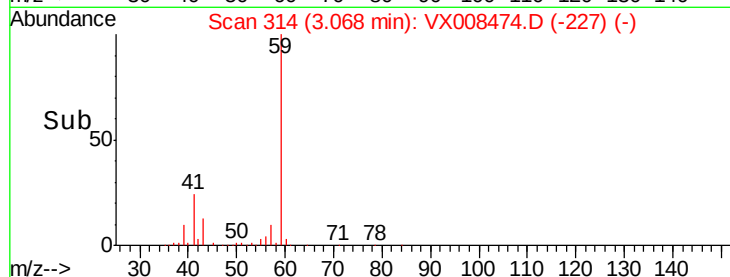
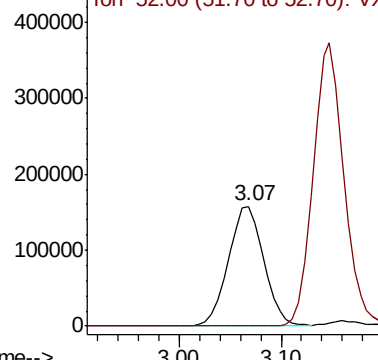
tert-Butyl Alcohol
 Concen: 838.759 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. 0.03 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion: 59 Resp: 382533
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.2 0.2



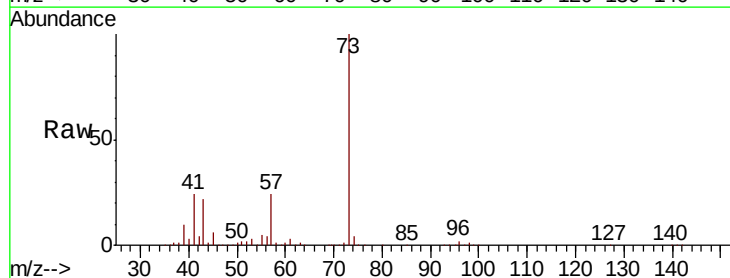
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 52.00 (51.70 to 52.70): VX0



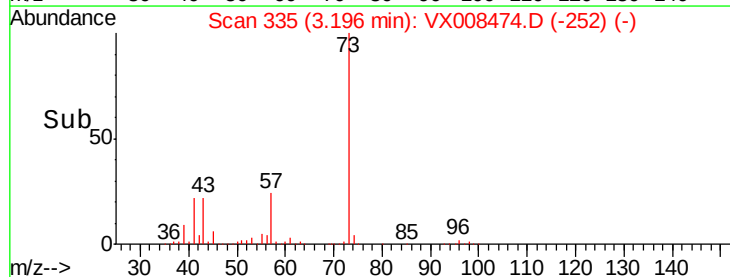
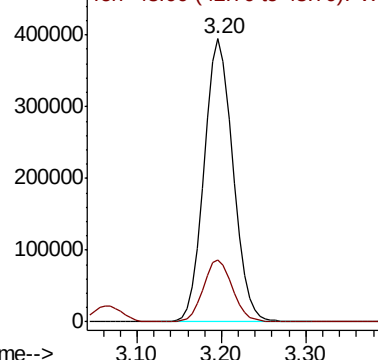
#24

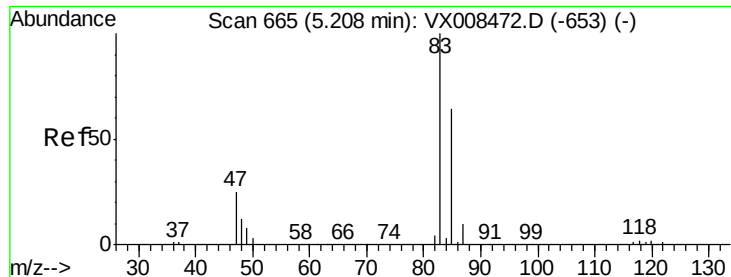
Methyl tert-Butyl Ether
 Concen: 137.352 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion: 73 Resp: 915438
 Ion Ratio Lower Upper
 73 100
 43 22.0 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 122.467 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

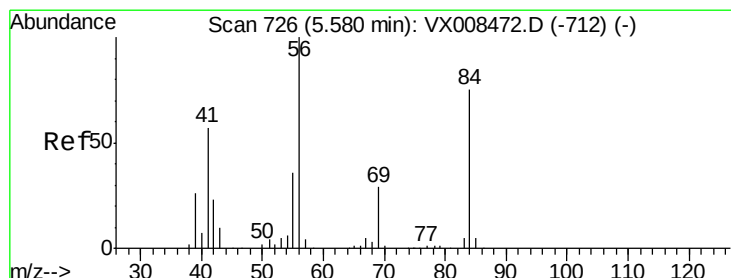
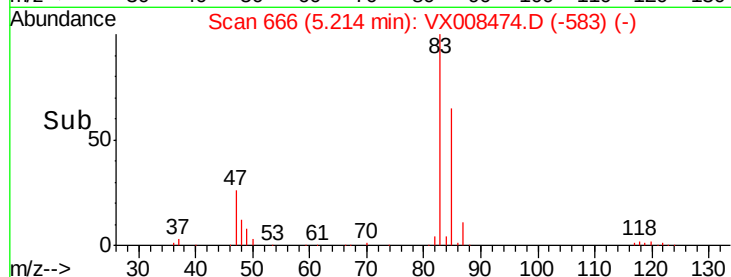
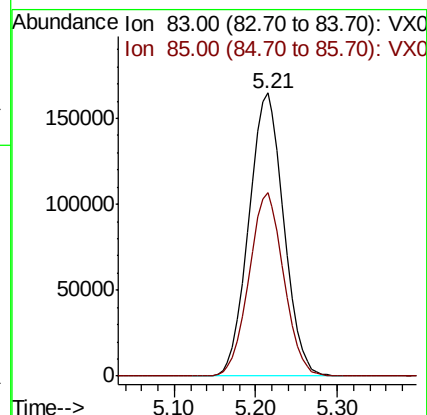
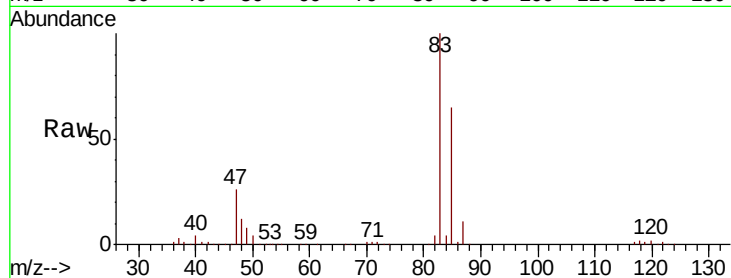
VSTDIC100

Tgt Ion: 83 Resp: 491104

Ion Ratio Lower Upper

83 100

85 64.7 53.8 80.6



#26

Cyclohexane

Concen: 157.487 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

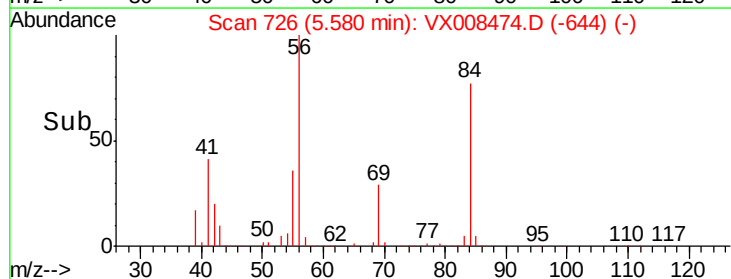
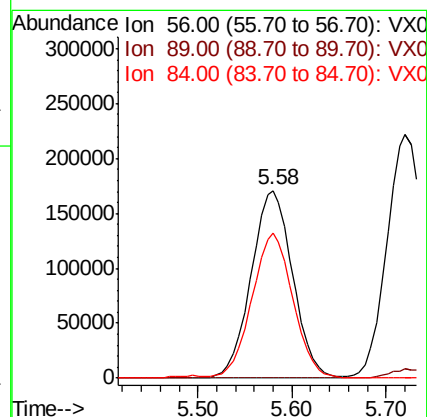
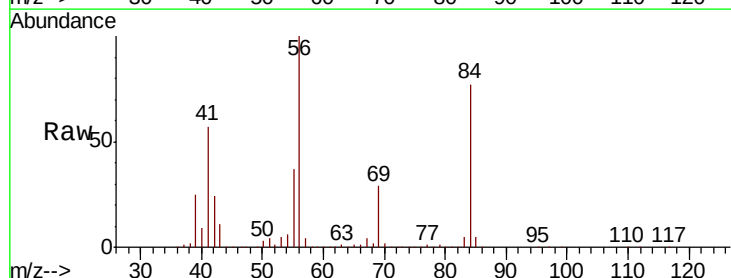
Tgt Ion: 56 Resp: 526510

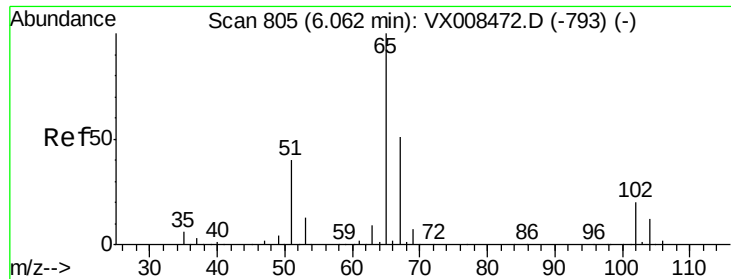
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 76.5 73.9 110.9

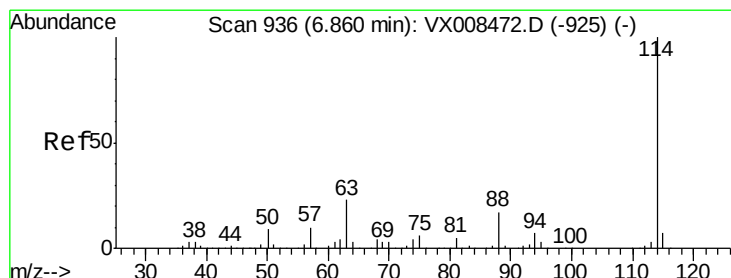
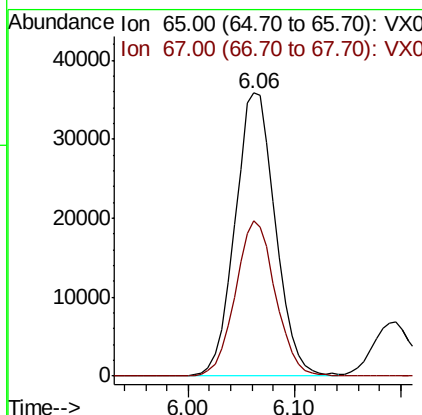
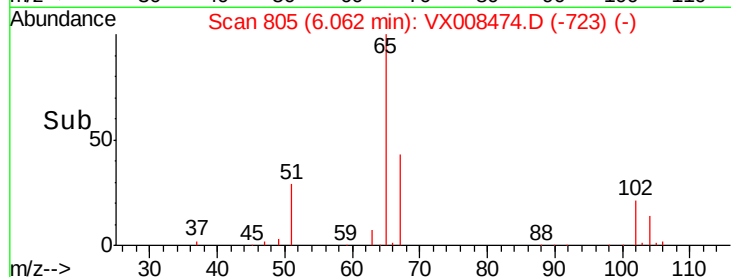
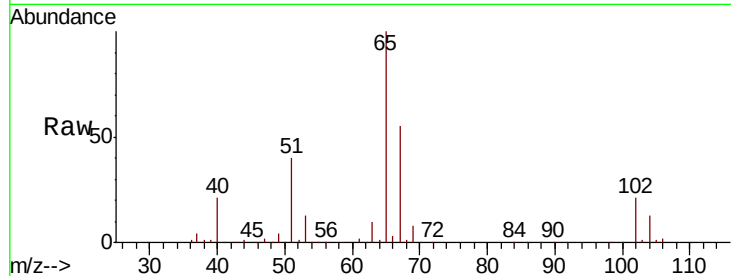




#27
 1,2-Dichloroethane-d4
 Concen: 36.162 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

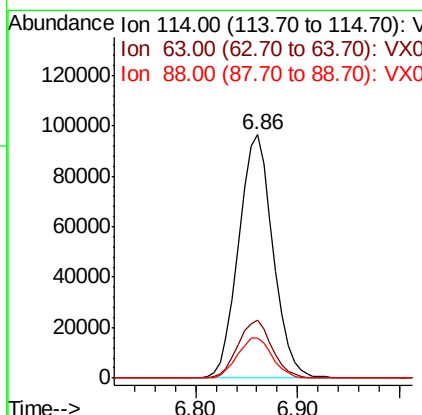
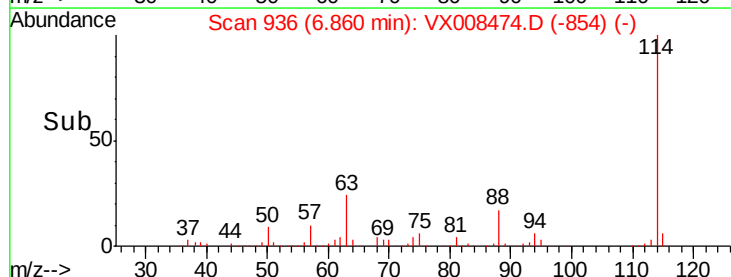
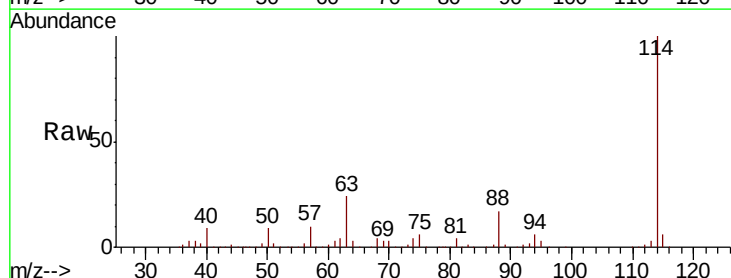
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

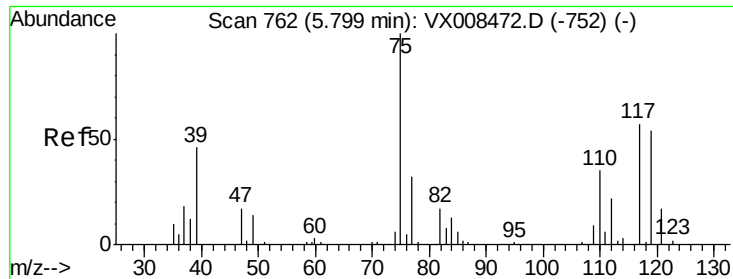
Tgt Ion: 65 Resp: 95406
 Ion Ratio Lower Upper
 65 100
 67 53.8 42.9 64.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion: 114 Resp: 225759
 Ion Ratio Lower Upper
 114 100
 63 23.6 14.2 21.4#
 88 17.0 11.9 17.9





#29

1,1-Dichloropropene

Concen: 123.144 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

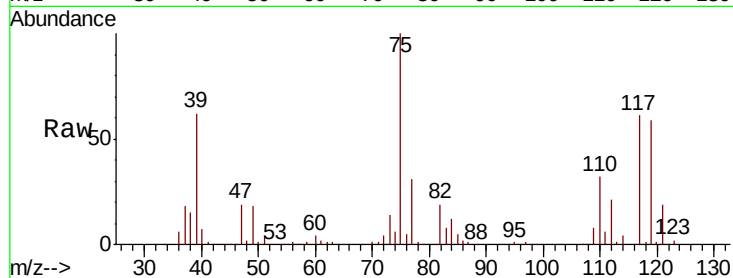
Tgt Ion: 75 Resp: 394858

Ion Ratio Lower Upper

75 100

110 32.9 0.0 80.8

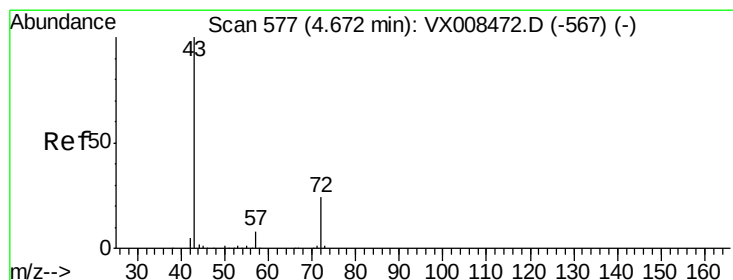
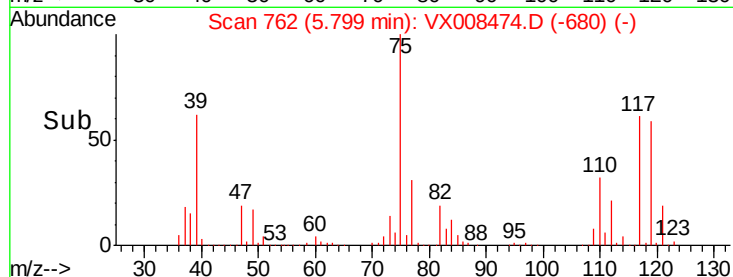
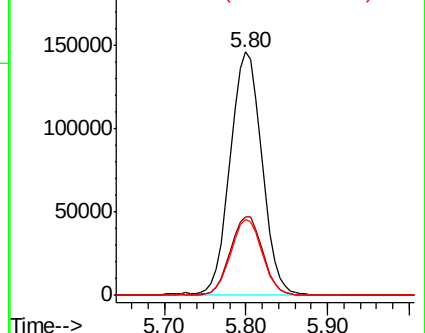
77 31.1 0.0 62.4



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: 780.470 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

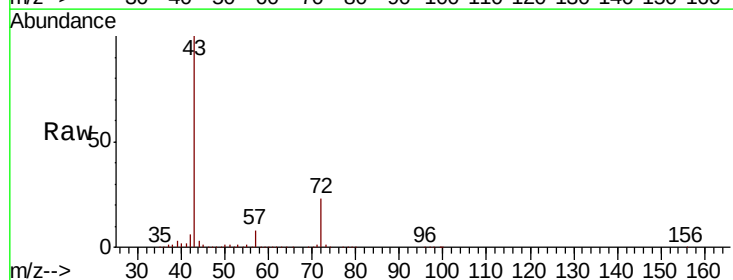
Tgt Ion: 43 Resp: 1441431

Ion Ratio Lower Upper

43 100

57 7.6 7.0 10.6

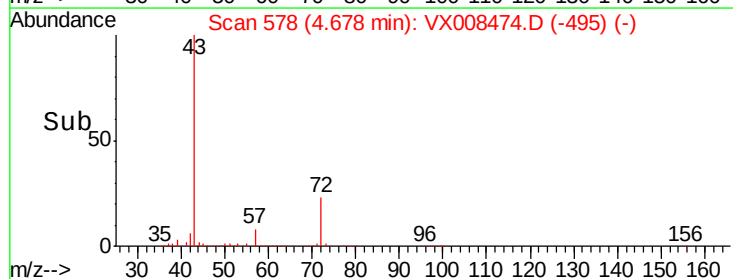
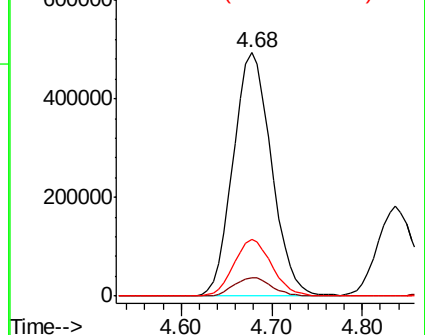
72 23.1 21.5 32.3

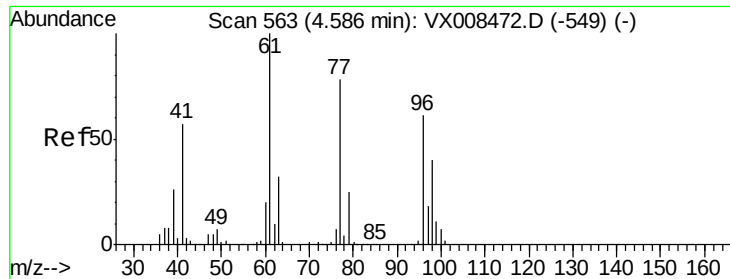


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 132.195 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

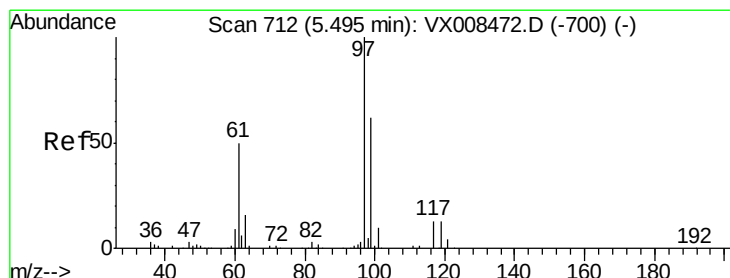
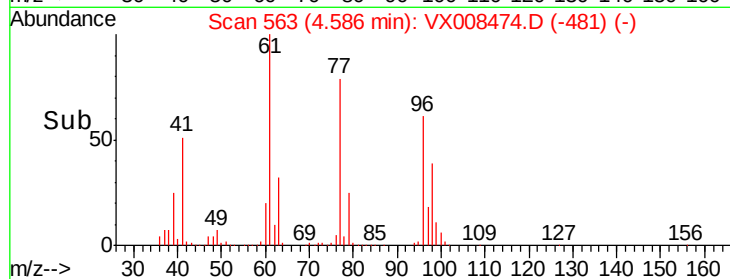
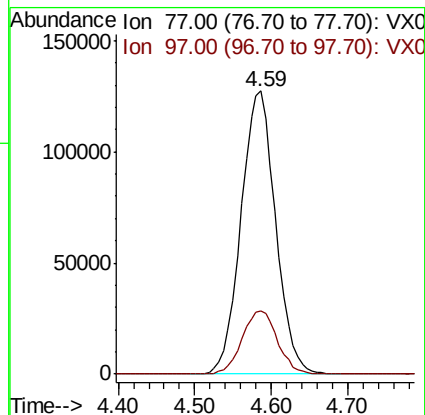
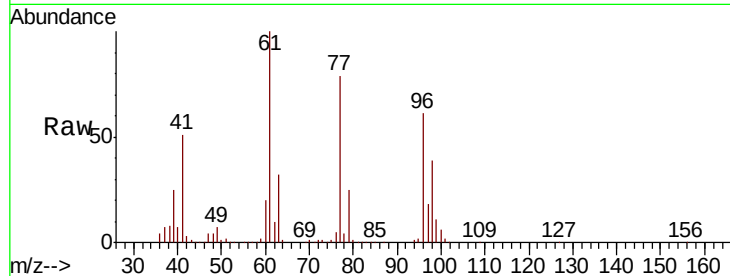
VSTDICC100

Tgt Ion: 77 Resp: 399084

Ion Ratio Lower Upper

77 100

97 22.9 20.6 31.0



#32

1,1,1-Trichloroethane

Concen: 108.326 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

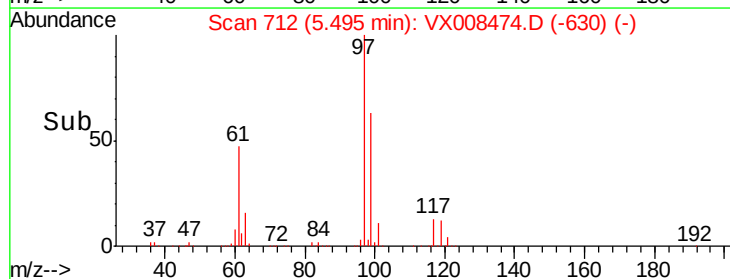
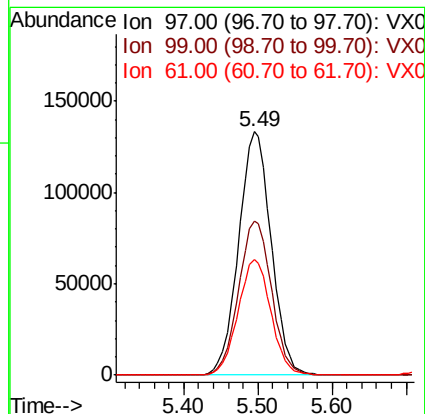
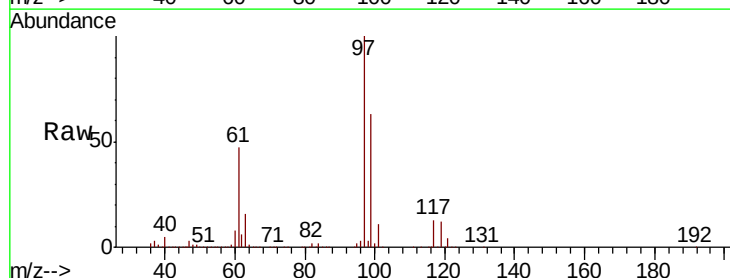
Tgt Ion: 97 Resp: 408693

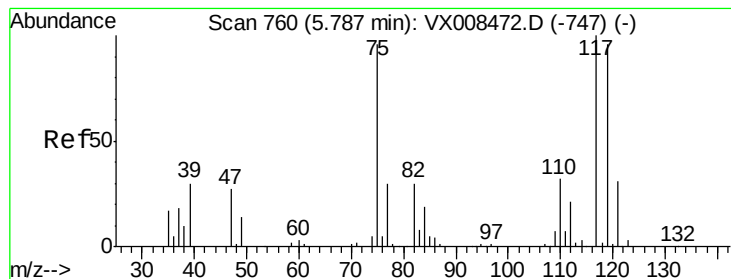
Ion Ratio Lower Upper

97 100

99 64.1 51.7 77.5

61 47.9 32.8 49.2





#33

Carbon Tetrachloride

Concen: 99.553 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

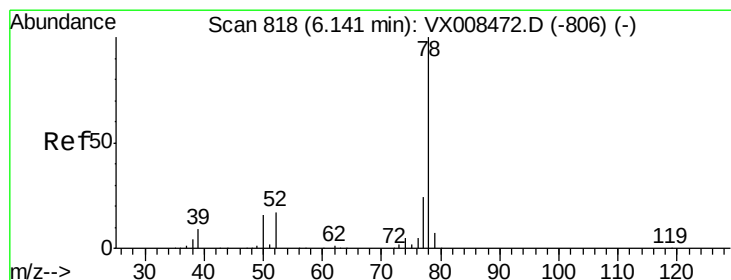
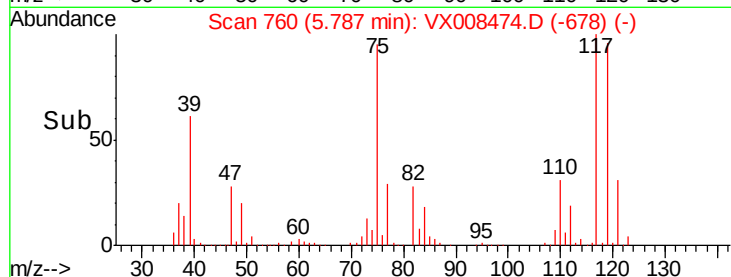
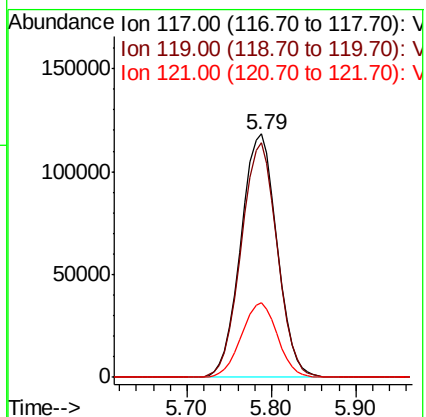
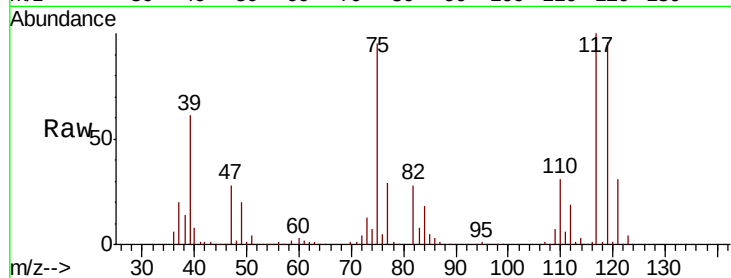
Tgt Ion:117 Resp: 344942

Ion Ratio Lower Upper

117 100

119 96.3 78.1 117.1

121 30.6 27.0 40.6



#34

Benzene

Concen: 124.313 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

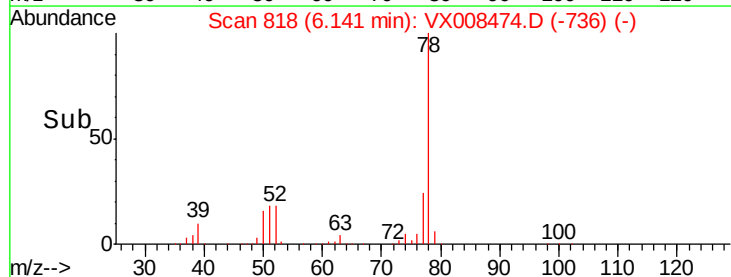
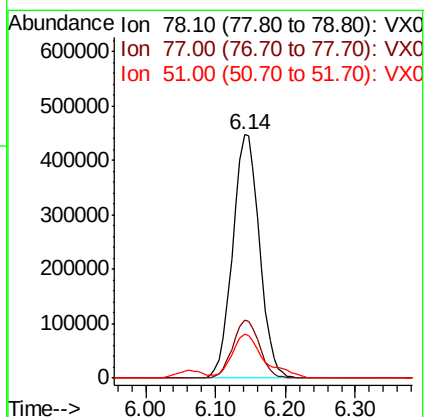
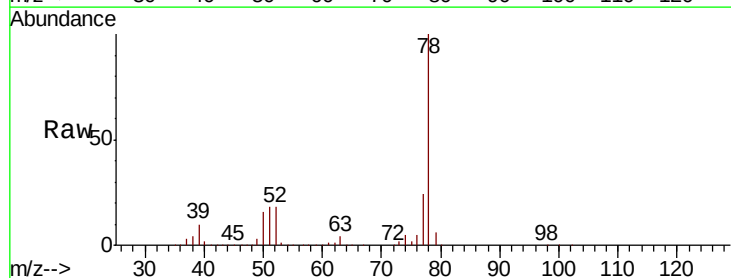
Tgt Ion: 78 Resp: 1187348

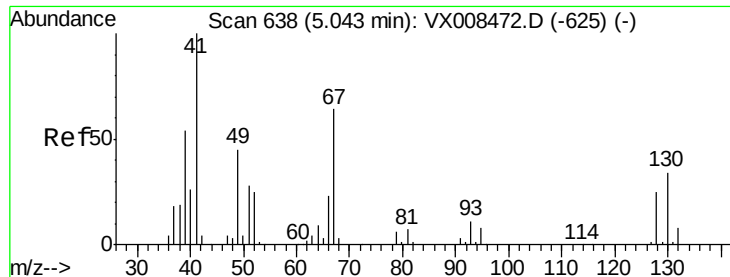
Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7

51 18.1 10.8 16.2#

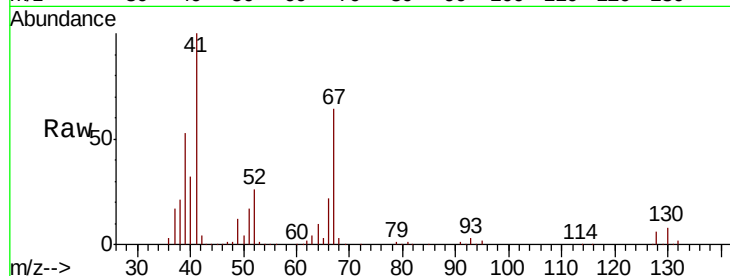




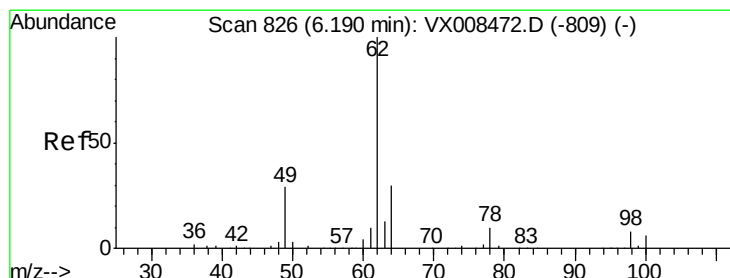
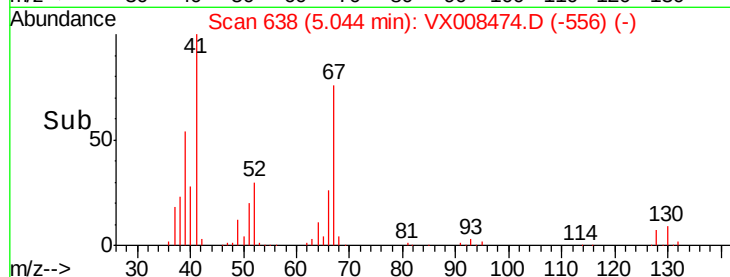
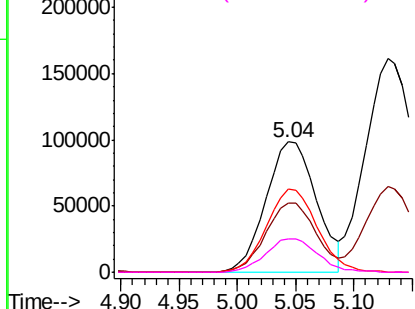
#35
Methacrylonitrile
Concen: 171.982 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	295867
Ion	Ratio	Lower	Upper
41	100		
39	53.3	27.4	82.0
67	64.2	37.9	113.6
52	25.7	13.3	39.9

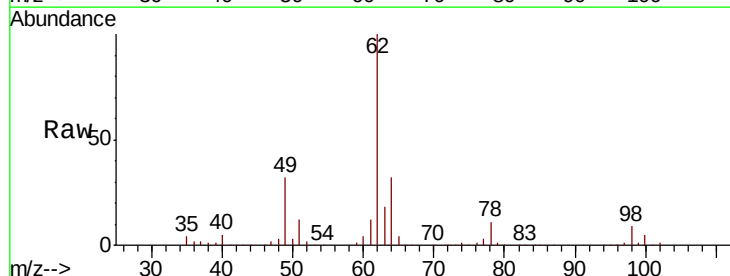


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

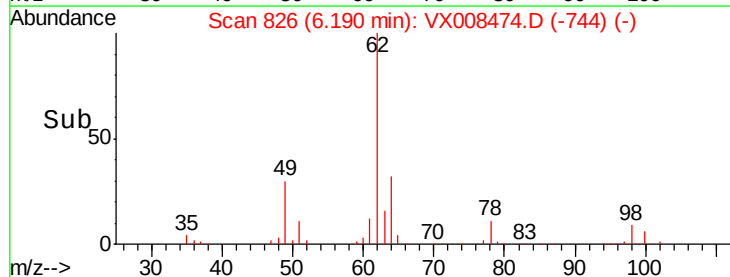
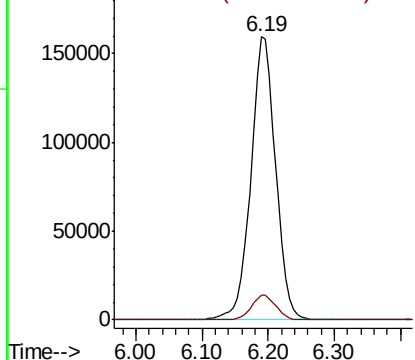


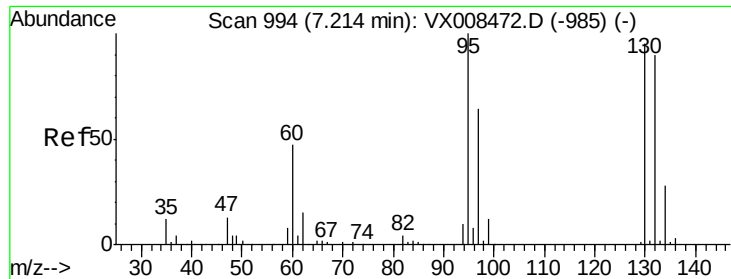
#36
1,2-Dichloroethane
Concen: 118.484 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion:	62	Resp:	417119
Ion	Ratio	Lower	Upper
62	100		
98	8.7	7.8	11.8



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





#37

Trichloroethene

Concen: 98.244 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

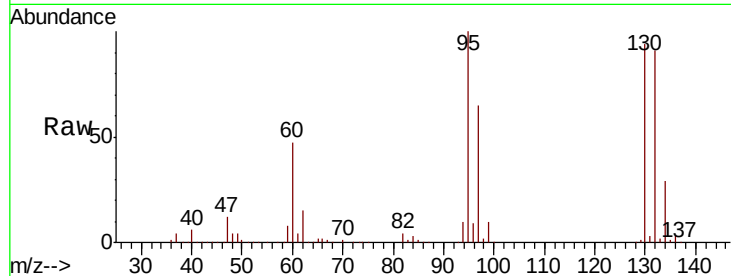
VSTDIC100

Tgt Ion:130 Resp: 275892

Ion Ratio Lower Upper

130 100

95 106.8 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

150000

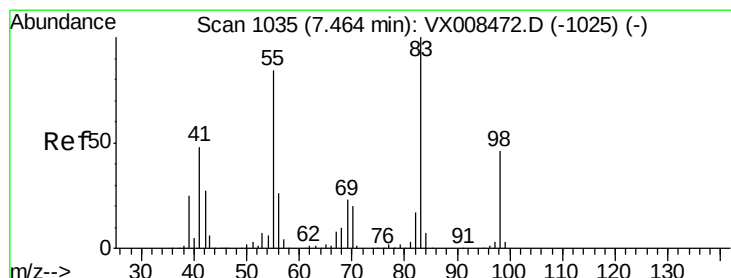
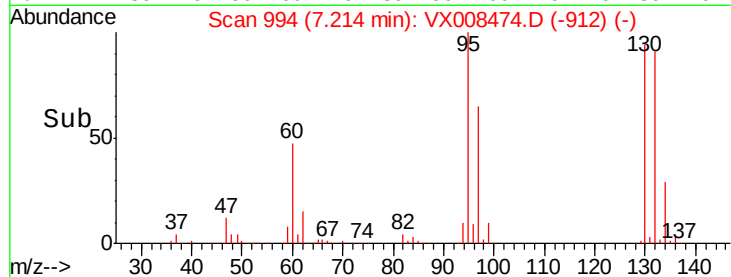
100000

50000

0

7.10 7.20 7.30

Time-->



#38

Methylcyclohexane

Concen: 122.424 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

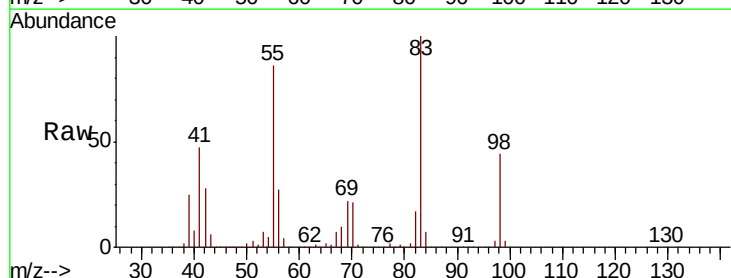
Tgt Ion: 83 Resp: 491978

Ion Ratio Lower Upper

83 100

55 84.9 36.0 108.0

98 44.3 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

300000

250000

200000

150000

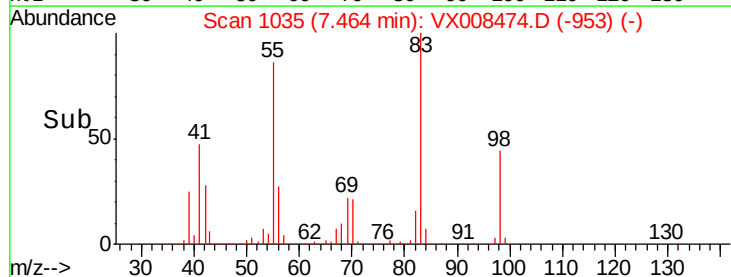
100000

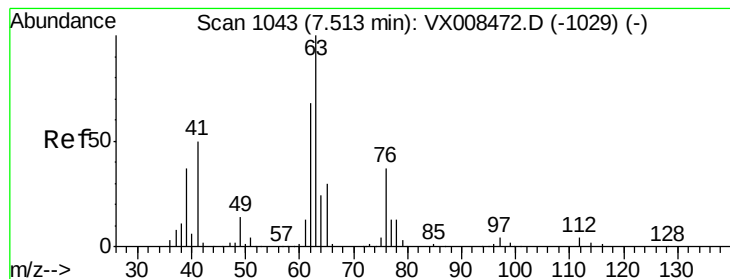
50000

0

7.40 7.50 7.60

Time-->





#39

1,2-Dichloropropane

Concen: 138.453 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

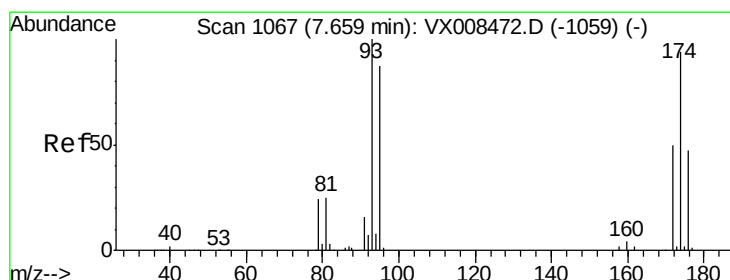
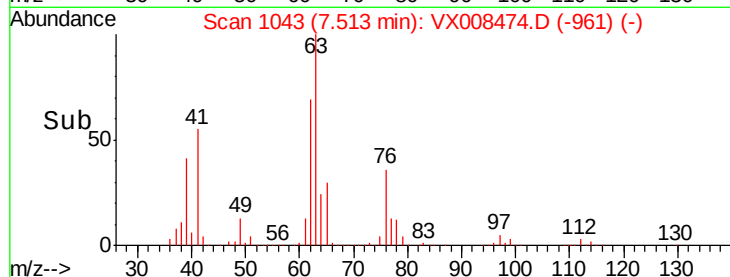
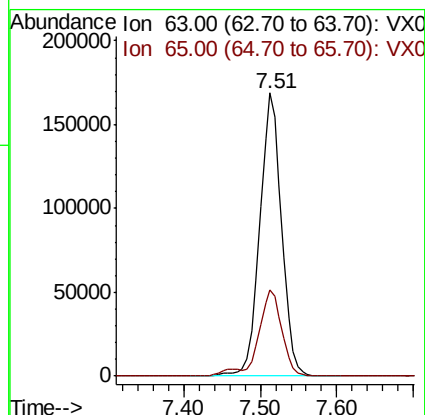
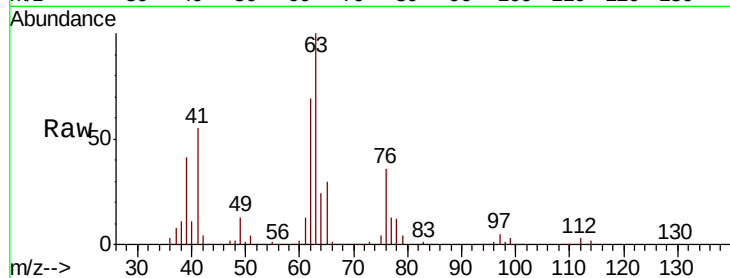
VSTDICC100

Tgt Ion: 63 Resp: 336488

Ion Ratio Lower Upper

63 100

65 30.5 24.6 37.0



#40

Dibromomethane

Concen: 110.038 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

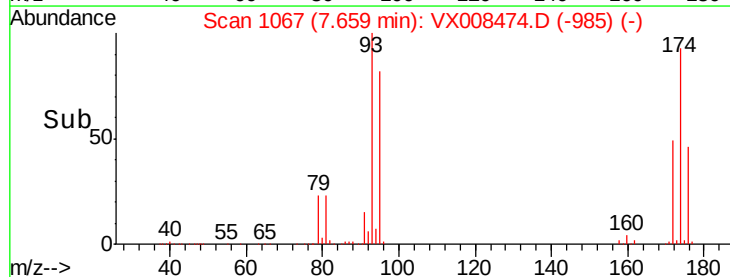
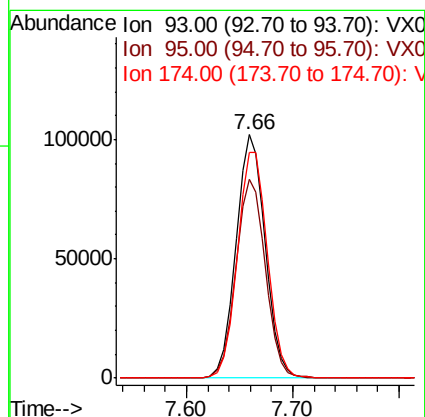
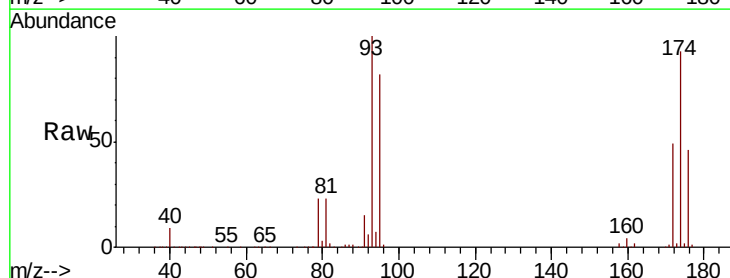
Tgt Ion: 93 Resp: 196142

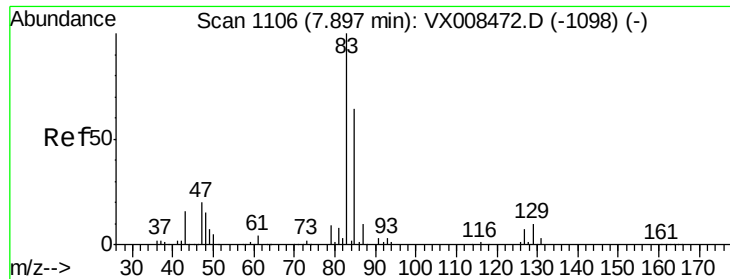
Ion Ratio Lower Upper

93 100

95 82.5 0.0 158.8

174 95.4 0.0 224.2





#41

Bromodichloromethane

Concen: 117.018 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

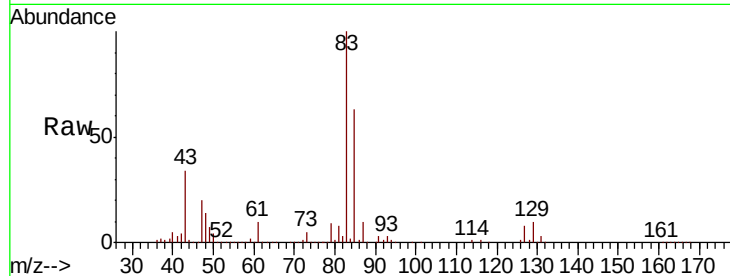
Tgt Ion: 83 Resp: 395795

Ion Ratio Lower Upper

83 100

85 63.4 51.1 76.7

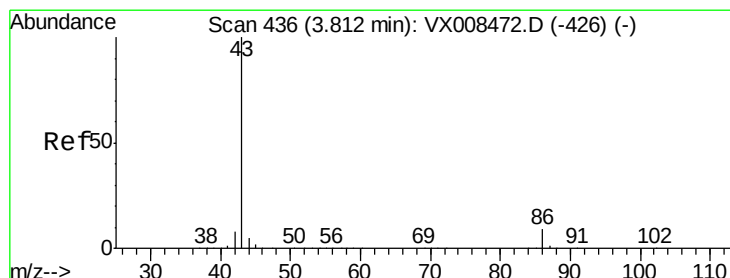
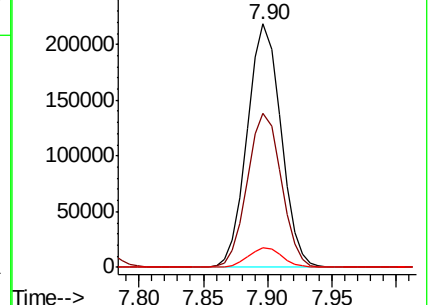
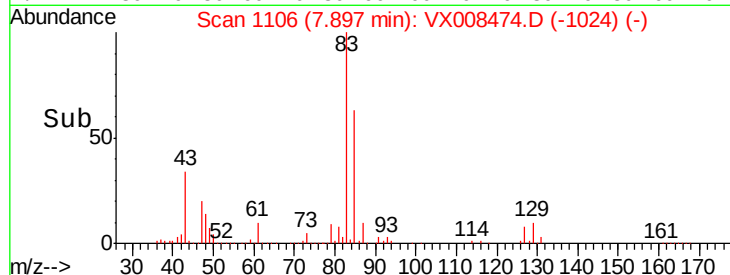
127 8.0 7.2 10.8



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: 789.317 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX008474.D

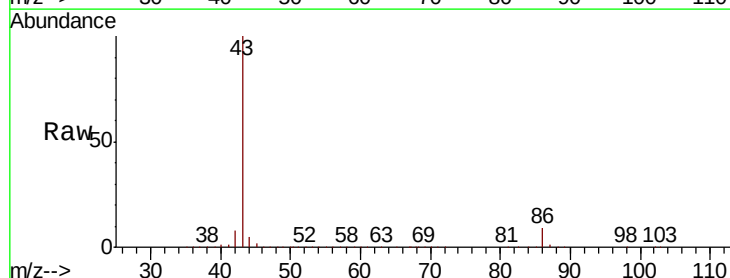
Acq: 27 Mar 2019 11:17

Tgt Ion: 43 Resp: 4899740

Ion Ratio Lower Upper

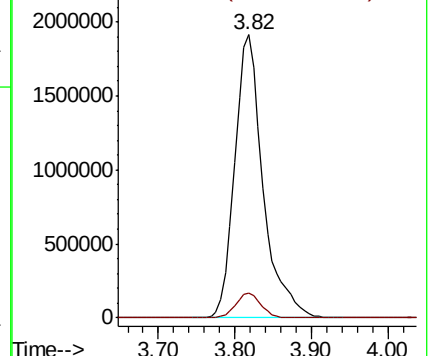
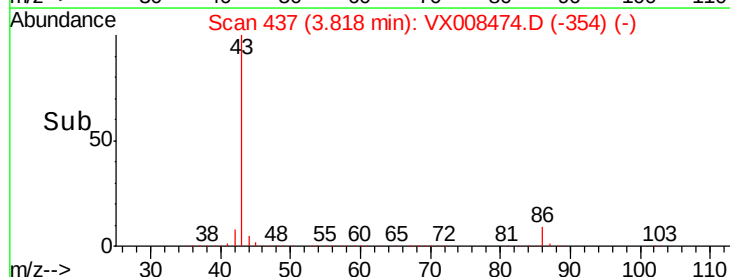
43 100

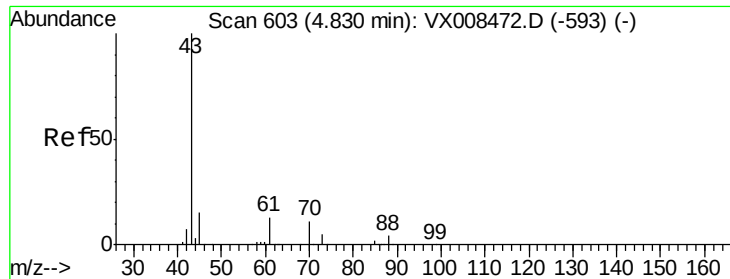
86 8.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 1.061 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.24 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

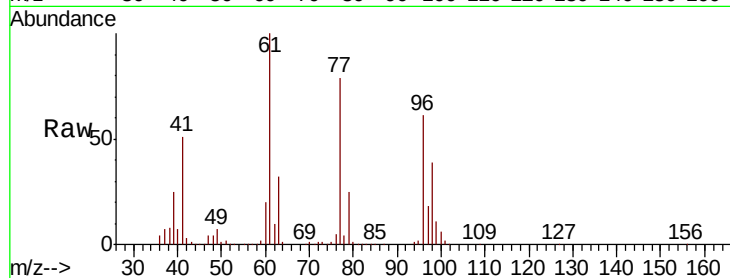
VSTDICC100

Tgt Ion: 43 Resp: 3458

Ion Ratio Lower Upper

43 100

45 9.9 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

300000

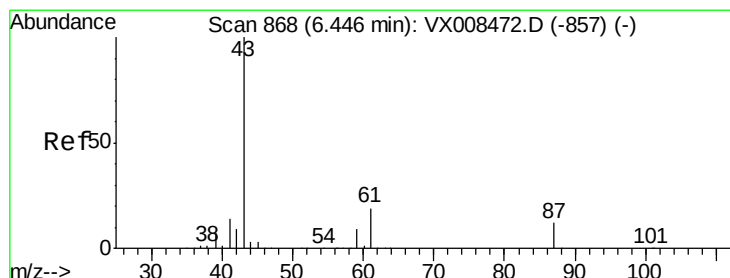
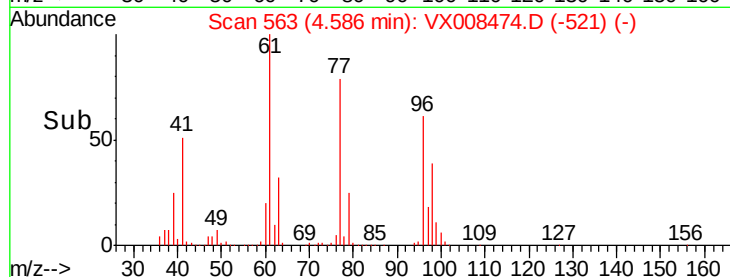
200000

100000

0

4.59

Time-->



#44

Isopropyl Acetate

Concen: 167.648 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008474.D

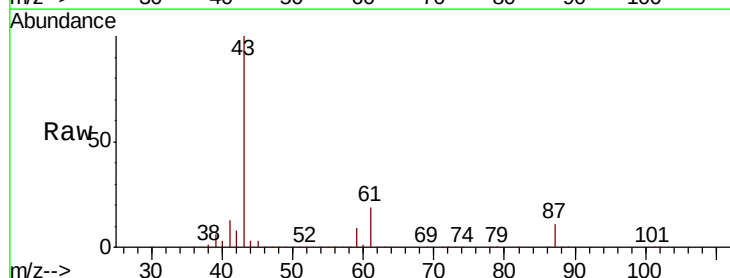
Acq: 27 Mar 2019 11:17

Tgt Ion: 43 Resp: 860111

Ion Ratio Lower Upper

43 100

61 19.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

400000

300000

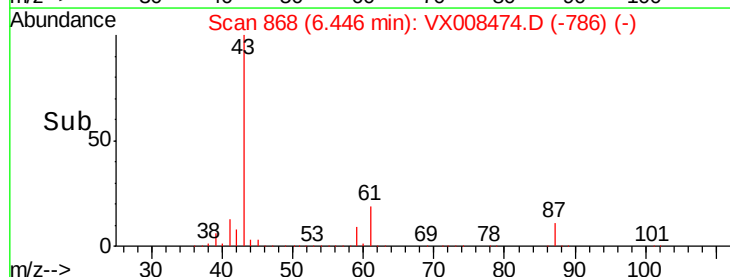
200000

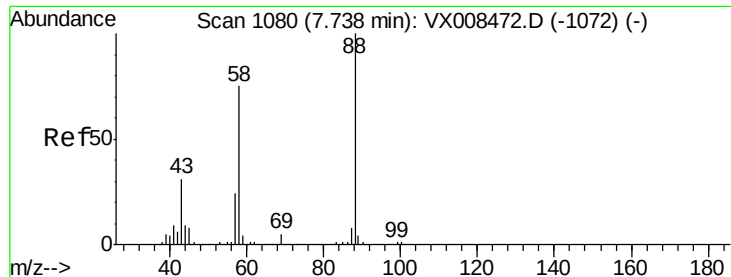
100000

0

6.45

Time-->

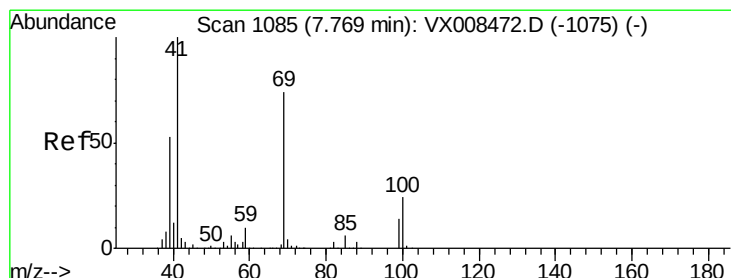
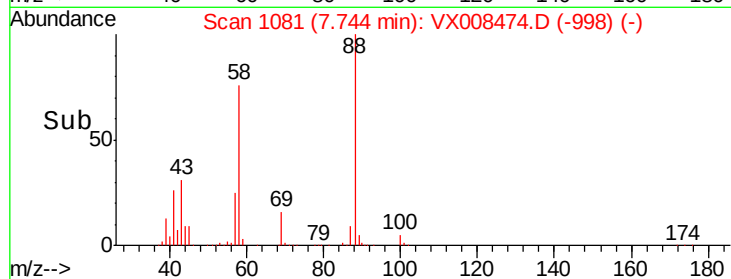
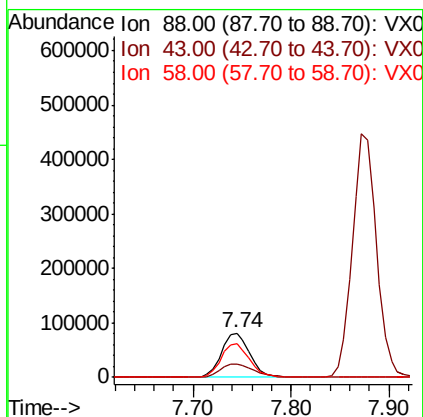
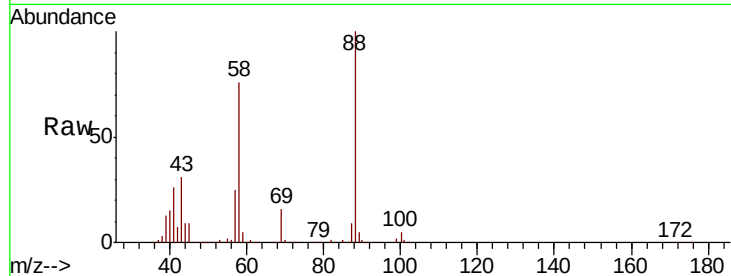




#45
 1,4-Dioxane
 Concen: 2521.209 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

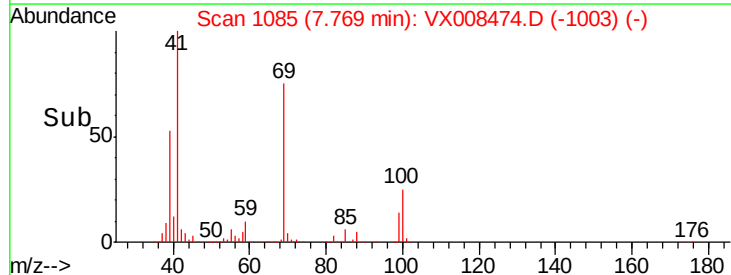
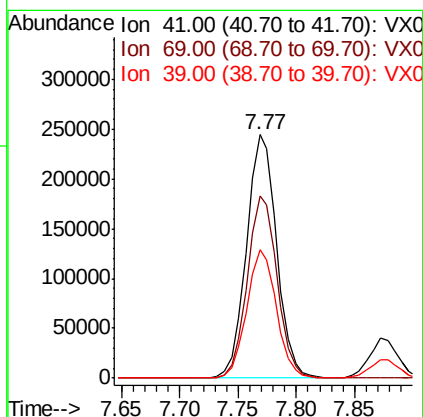
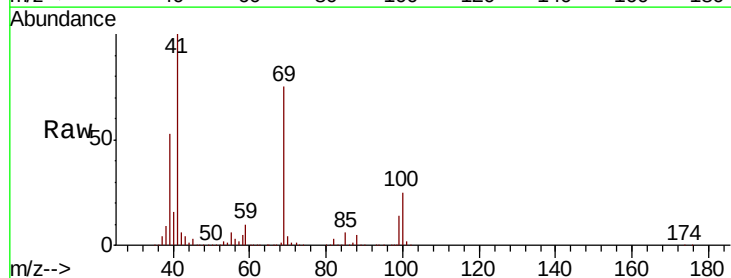
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

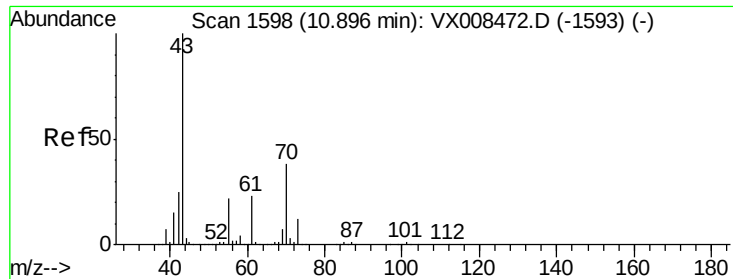
Tgt Ion: 88 Resp: 162692
 Ion Ratio Lower Upper
 88 100
 43 35.7 23.6 35.4#
 58 78.4 51.6 77.4#



#46
 Methyl methacrylate
 Concen: 174.753 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion: 41 Resp: 439920
 Ion Ratio Lower Upper
 41 100
 69 74.8 44.2 132.6
 39 52.8 29.9 89.8





#47

n-amyI Acetate

Concen: 181.587 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

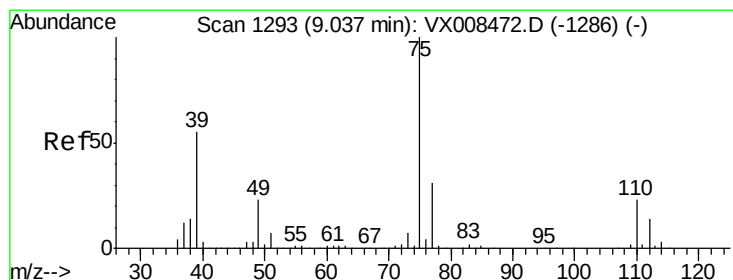
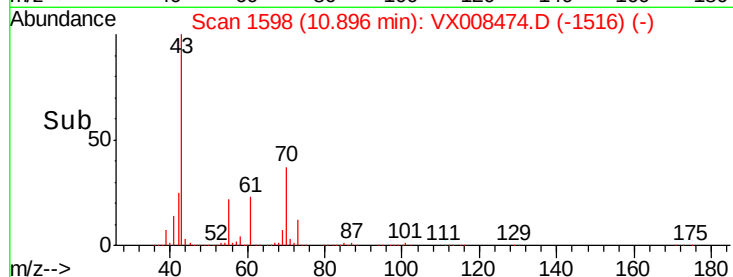
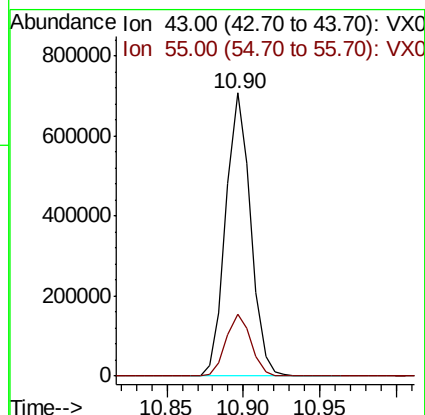
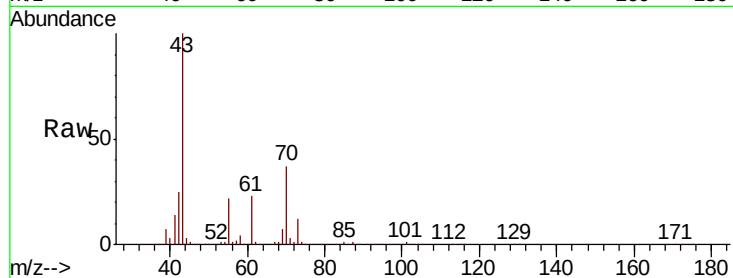
VSTDIC100

Tgt Ion: 43 Resp: 798734

Ion Ratio Lower Upper

43 100

55 22.3 20.8 31.2



#48

t-1,3-Dichloropropene

Concen: 139.675 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008474.D

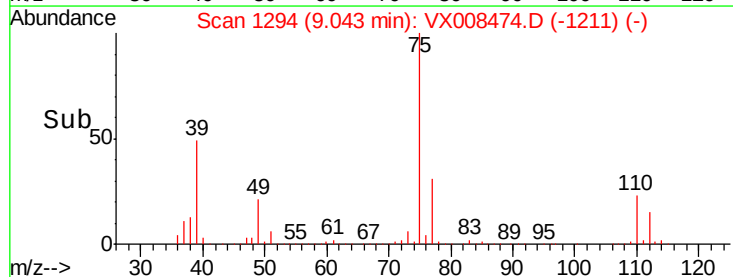
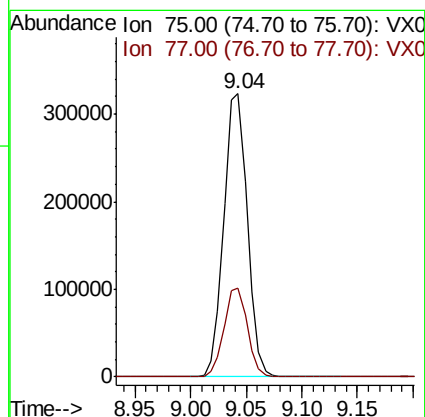
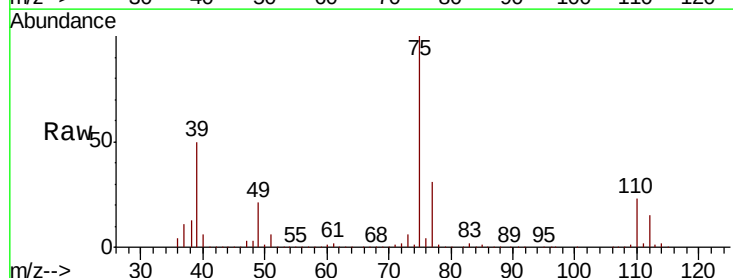
Acq: 27 Mar 2019 11:17

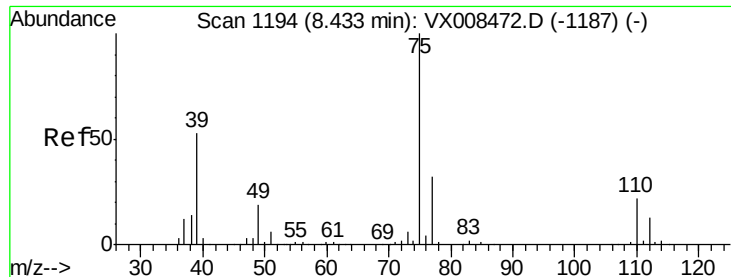
Tgt Ion: 75 Resp: 473000

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7



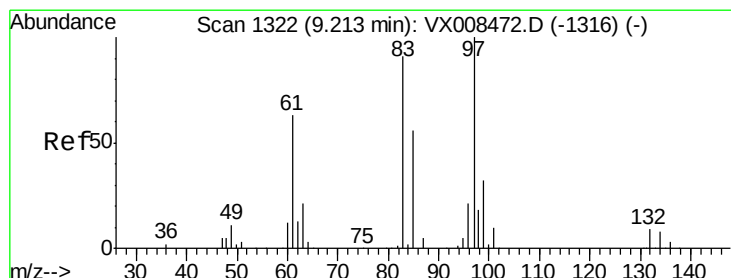
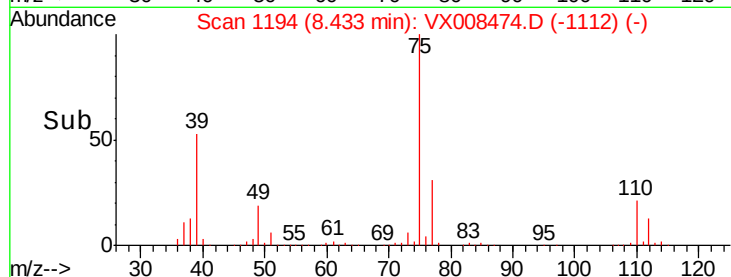
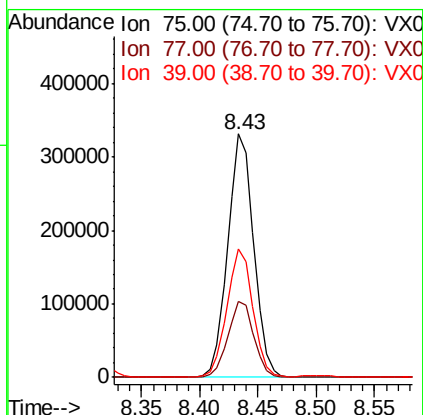
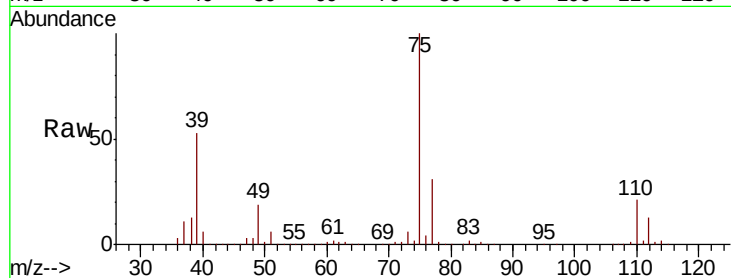


#49

cis-1,3-Dichloropropene
 Concen: 135.808 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

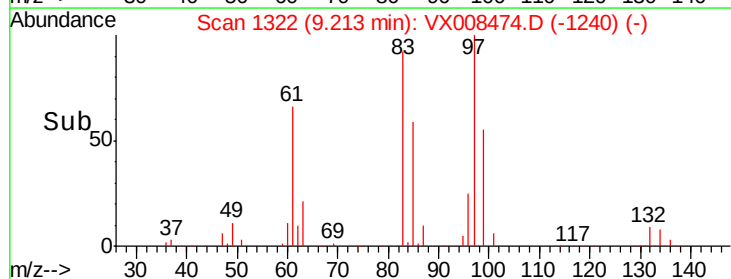
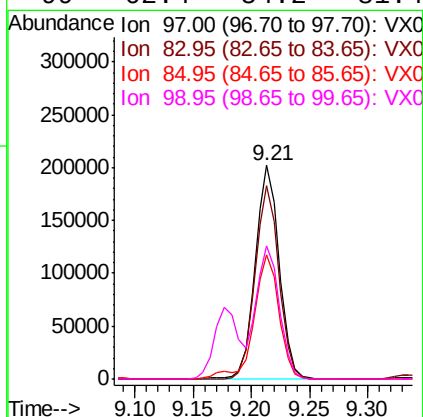
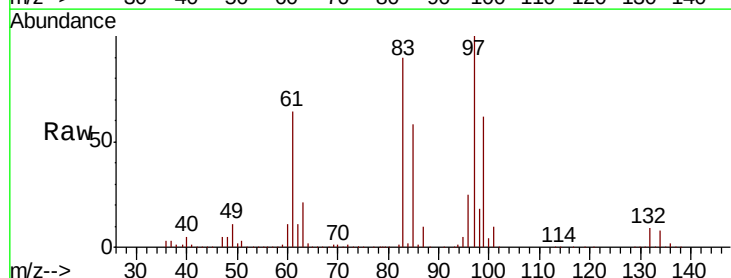
Tgt Ion:	75	Resp:	513192
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	52.5	38.5	57.7

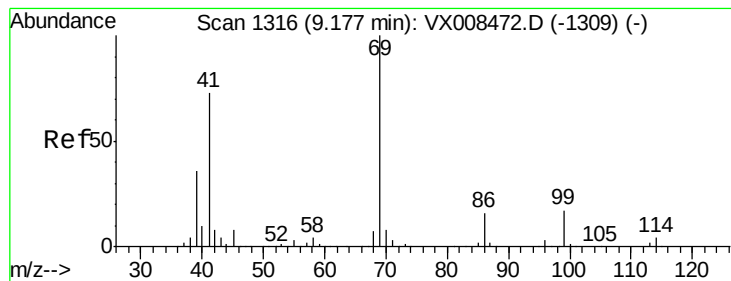


#50

1,1,2-Trichloroethane
 Concen: 113.427 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion:	97	Resp:	290457
Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.0	108.0
85	58.0	45.0	67.6
99	62.4	54.2	81.4





#51

Ethyl methacrylate

Concen: 151.164 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

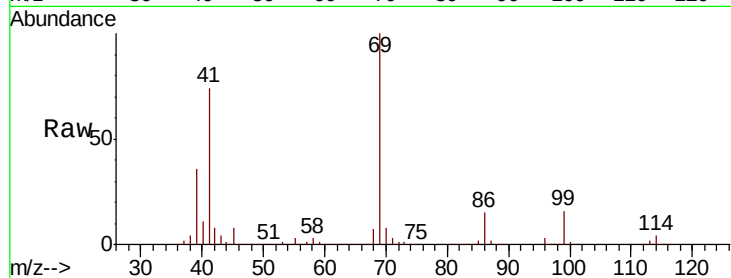
Tgt Ion: 69 Resp: 565129

Ion Ratio Lower Upper

69 100

41 74.0 32.1 96.5

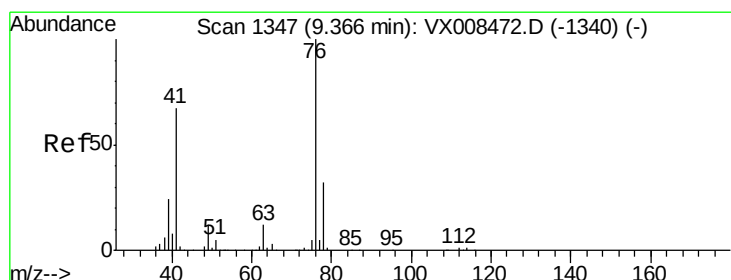
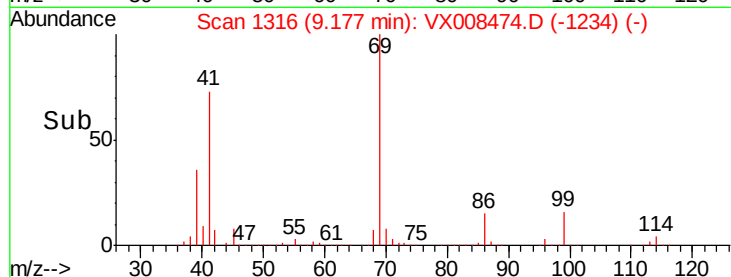
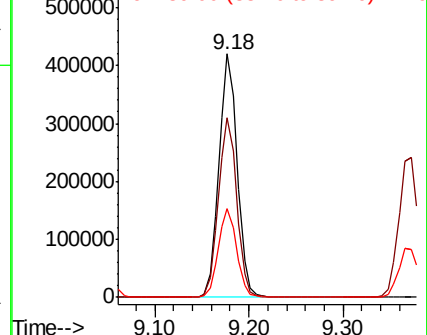
39 36.3 18.8 56.3



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: 126.304 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX008474.D

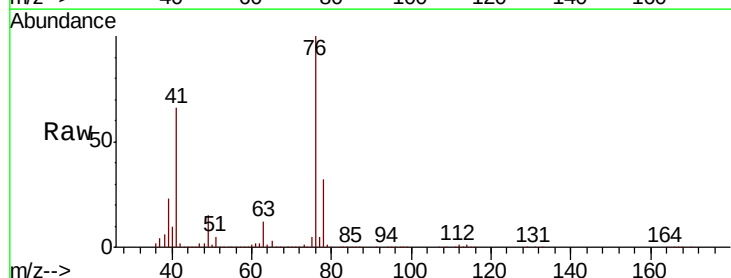
Acq: 27 Mar 2019 11:17

Tgt Ion: 76 Resp: 518709

Ion Ratio Lower Upper

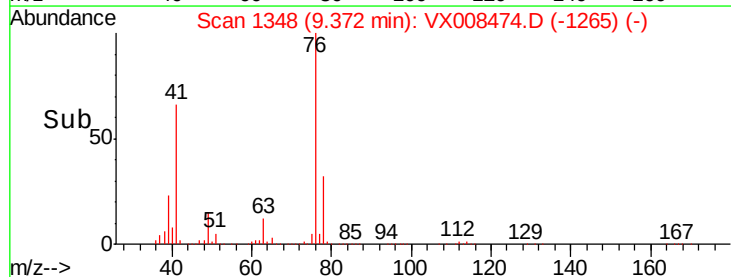
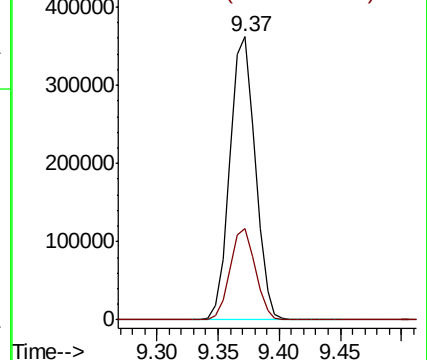
76 100

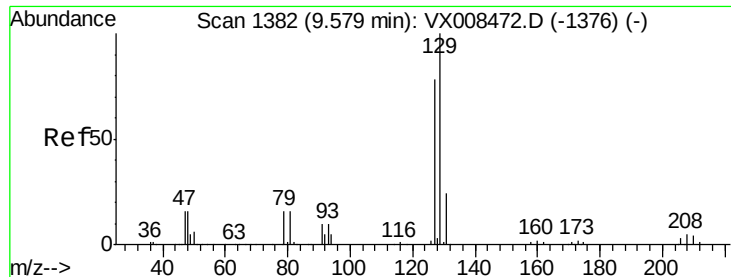
78 32.2 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 104.522 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

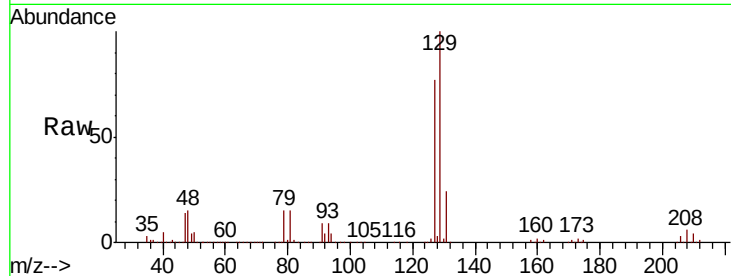
VSTDIC100

Tgt Ion:129 Resp: 301714

Ion Ratio Lower Upper

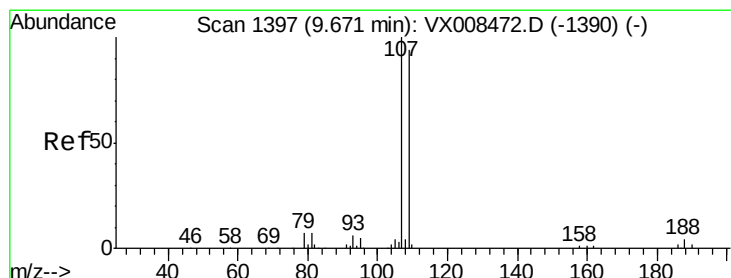
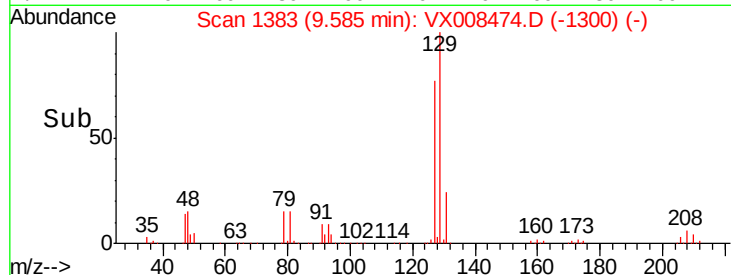
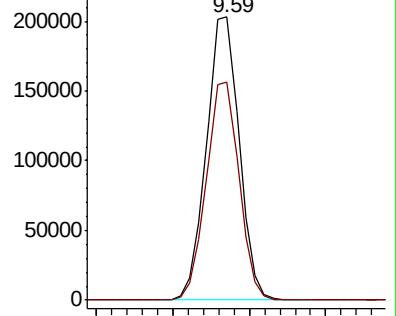
129 100

127 77.2 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 107.741 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008474.D

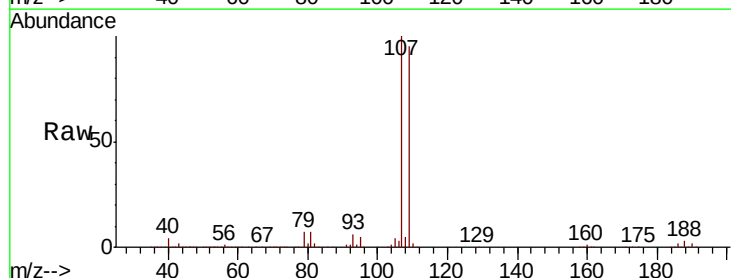
Acq: 27 Mar 2019 11:17

Tgt Ion:107 Resp: 302704

Ion Ratio Lower Upper

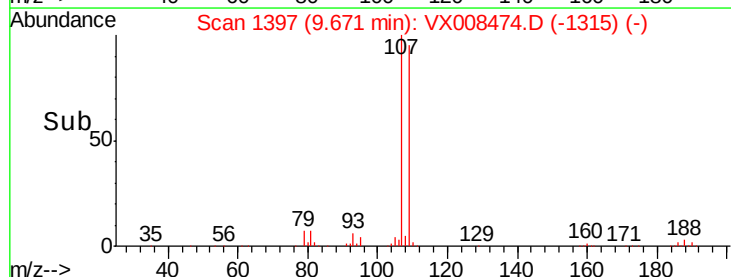
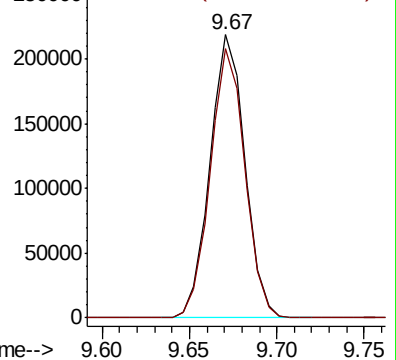
107 100

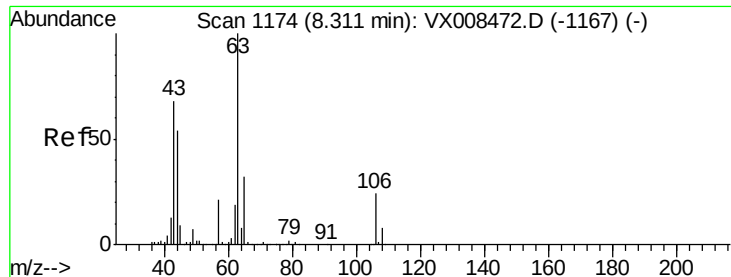
109 94.3 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

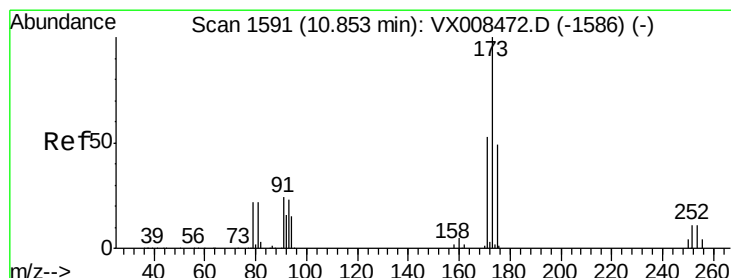
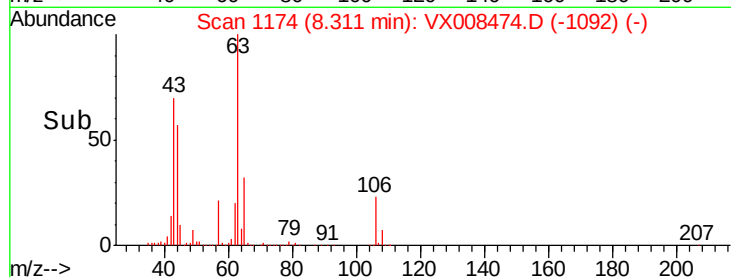
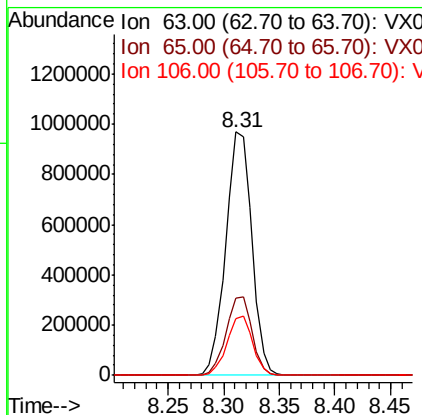
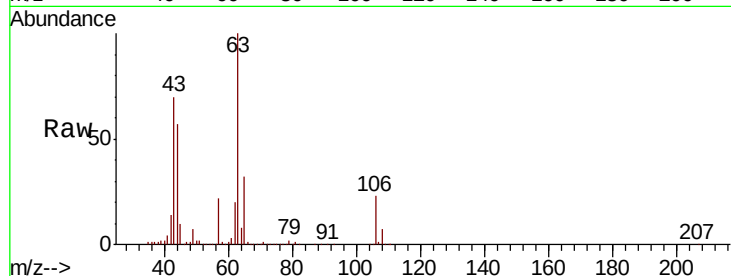




#55
 2-Chloroethyl vinyl ether
 Concen: 835.777 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

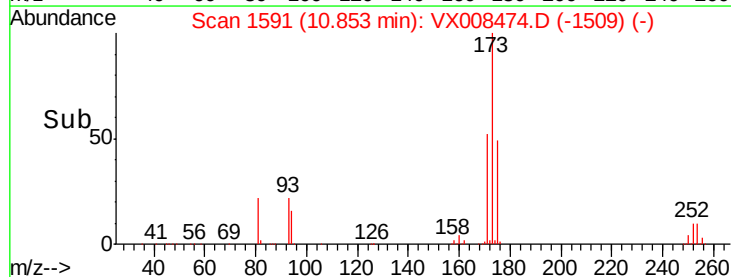
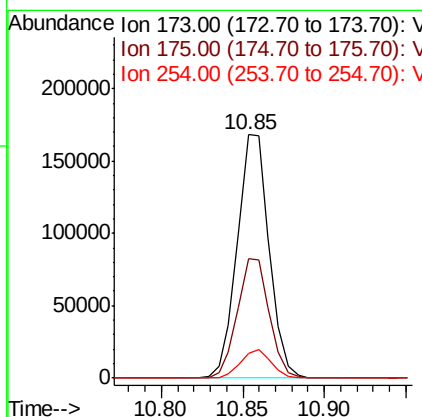
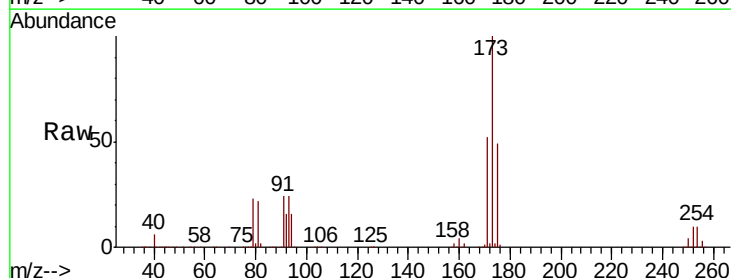
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

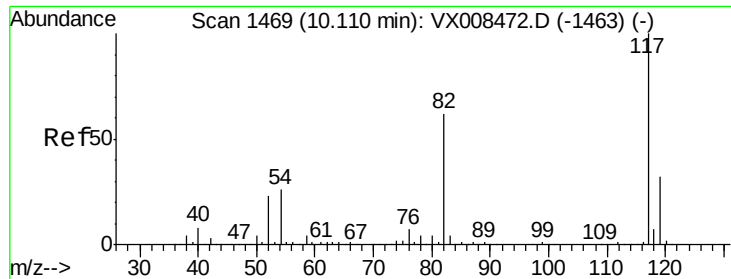
Tgt Ion: 63 Resp: 1572001
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.7 38.5
 106 23.8 23.7 35.5



#56
 Bromoform
 Concen: 100.564 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion: 173 Resp: 229178
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.5 57.7
 254 11.1 7.4 11.2

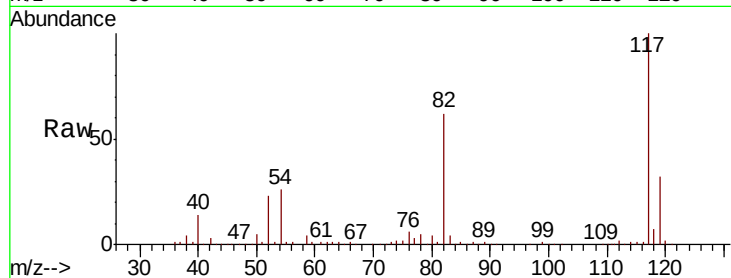




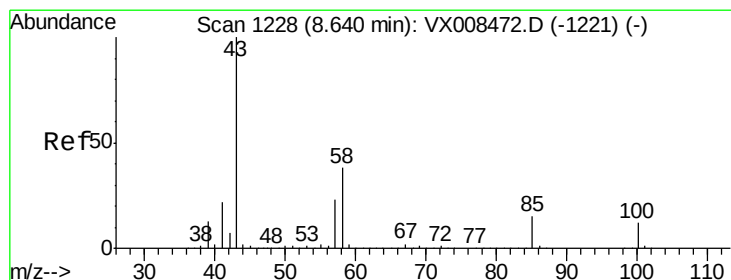
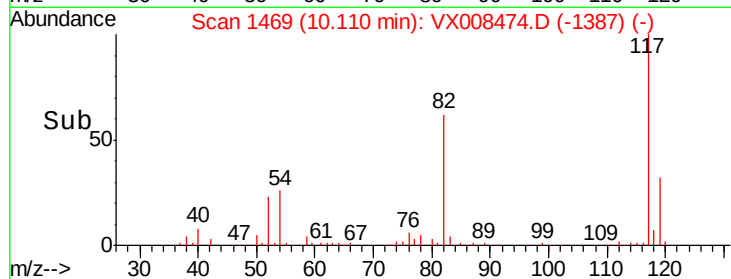
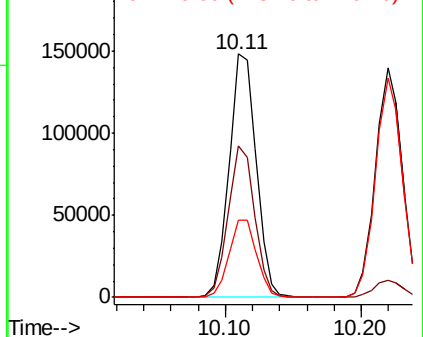
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 117 Resp: 205344
Ion Ratio Lower Upper
117 100
82 60.6 40.4 60.6#
119 32.3 25.8 38.6

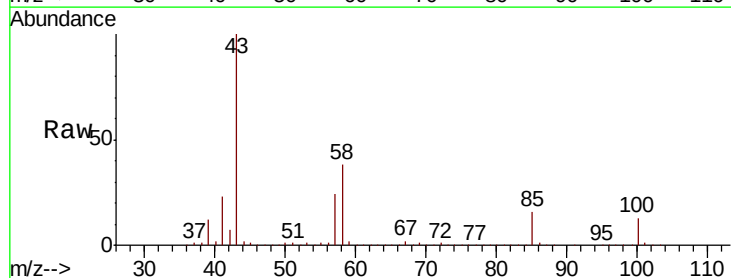


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

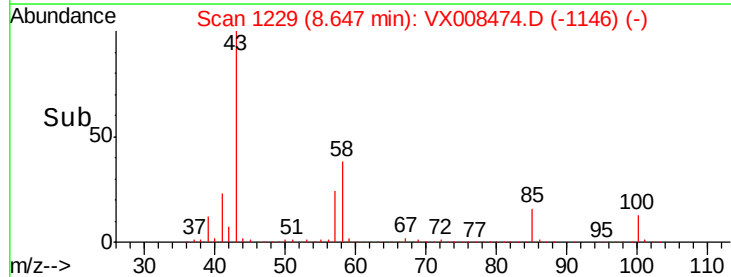
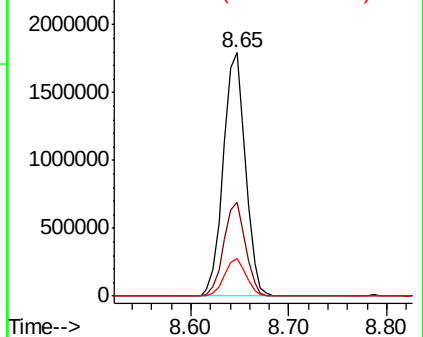


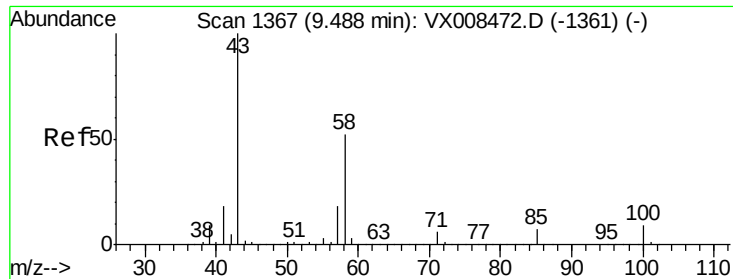
#58
4-Methyl-2-Pentanone
Concen: 816.100 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion: 43 Resp: 2821569
Ion Ratio Lower Upper
43 100
58 37.9 31.4 47.0
85 15.4 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

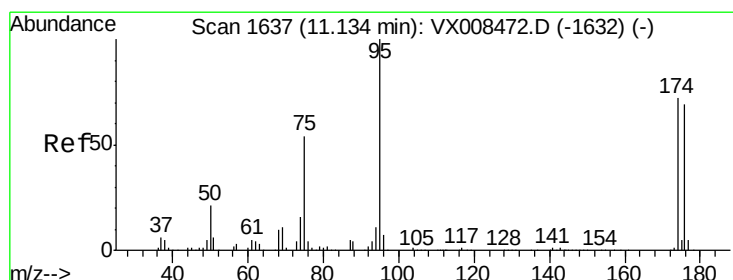
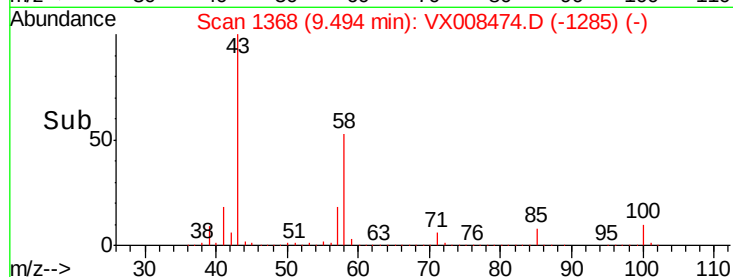
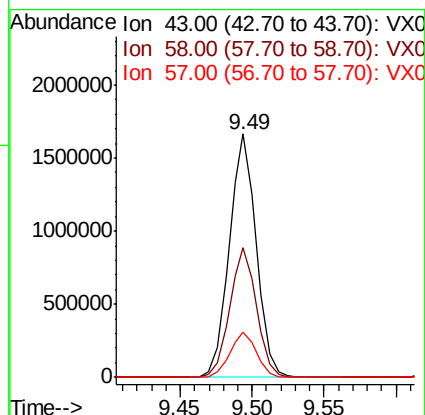
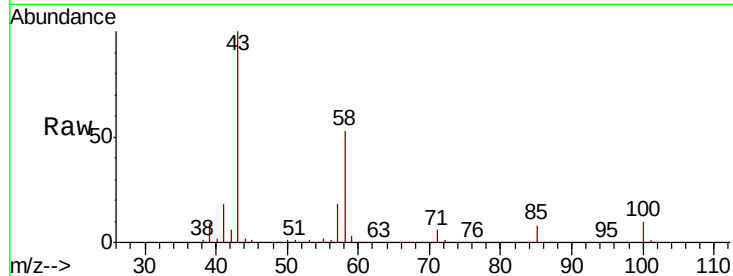




#59
2-Hexanone
Concen: 799.347 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

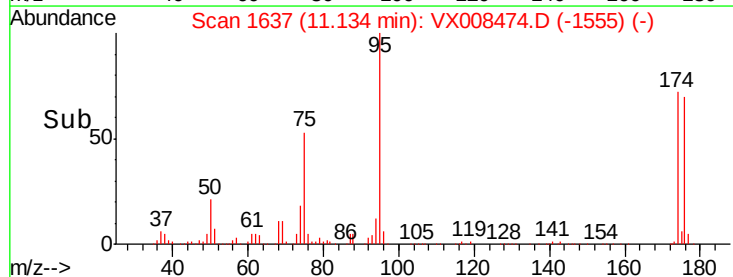
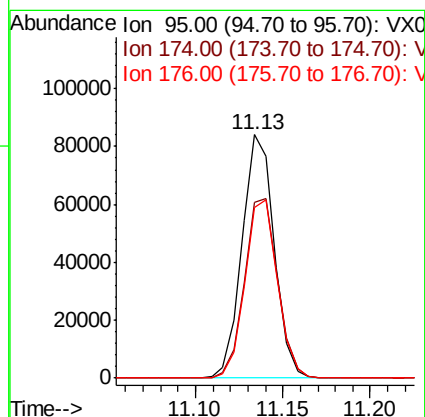
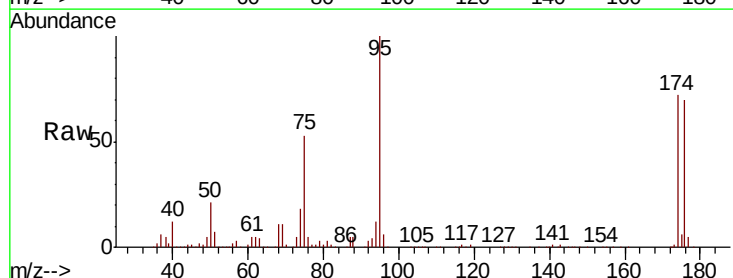
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

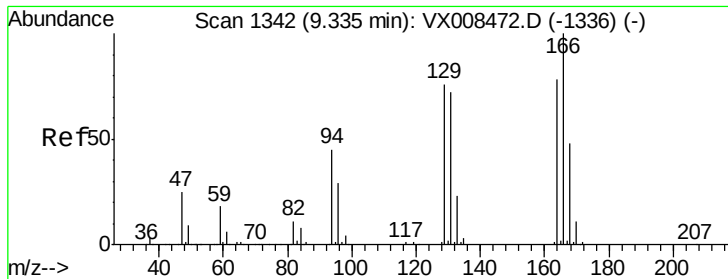
Tgt Ion: 43 Resp: 2186150
Ion Ratio Lower Upper
43 100
58 52.7 43.9 65.9
57 18.3 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 32.221 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion: 95 Resp: 107699
Ion Ratio Lower Upper
95 100
174 75.7 74.9 112.3
176 73.8 70.7 106.1





#61

Tetrachloroethene

Concen: 81.503 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 225287

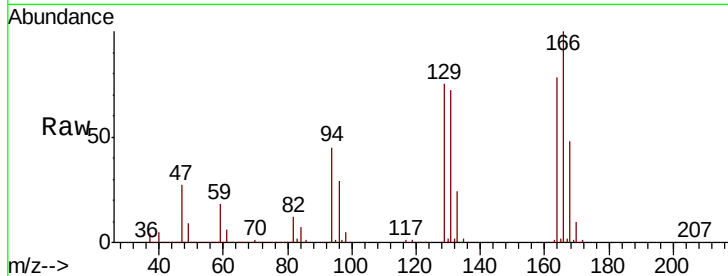
Ion Ratio Lower Upper

164 100

166 128.2 103.9 155.9

129 96.0 74.7 112.1

131 91.9 71.7 107.5

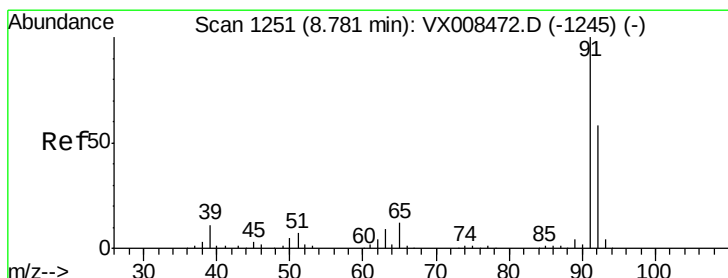
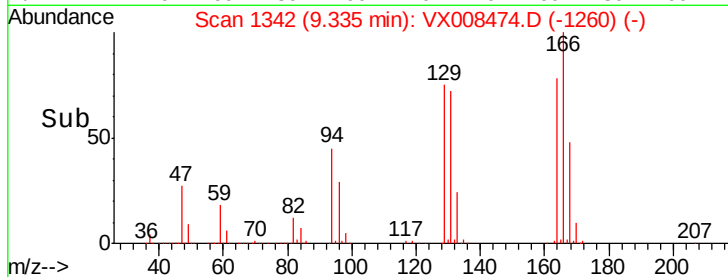
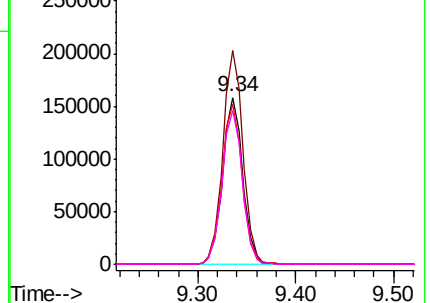


Abundance Ion 163.85 (163.55 to 164.55): V

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: 114.453 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008474.D

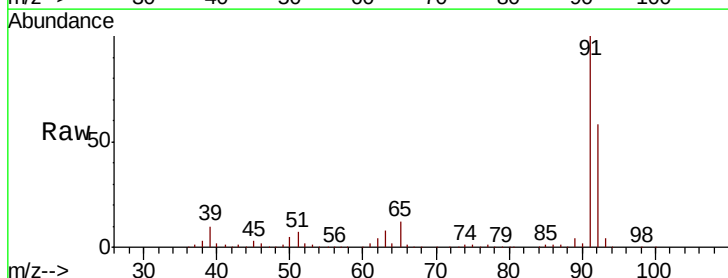
Acq: 27 Mar 2019 11:17

Tgt Ion: 91 Resp: 1247506

Ion Ratio Lower Upper

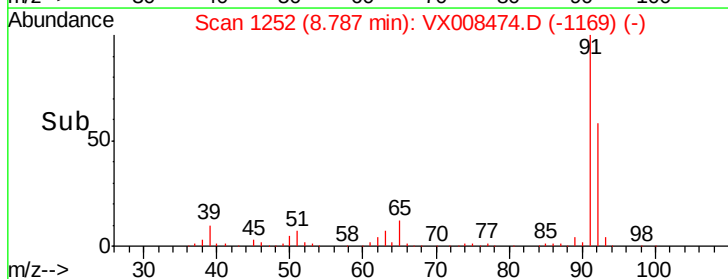
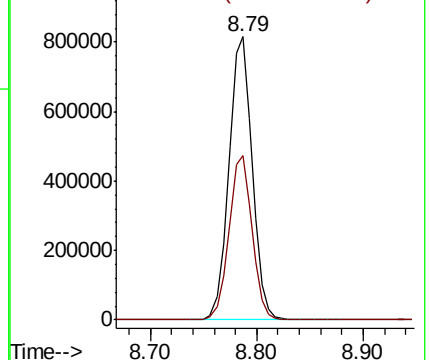
91 100

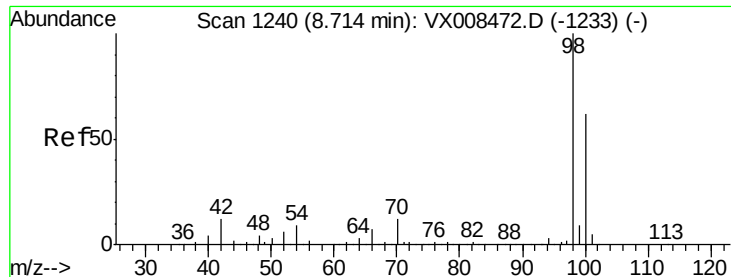
92 57.8 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 31.120 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

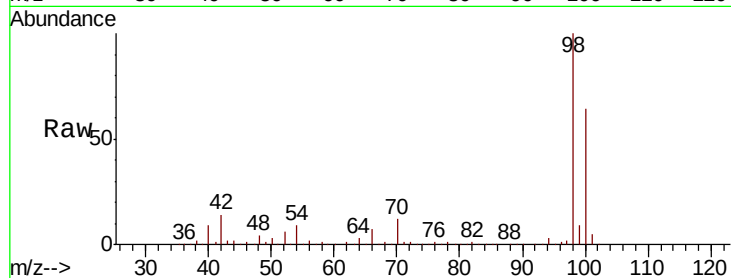
VSTDIC100

Tgt Ion: 98 Resp: 287916

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

50000

0

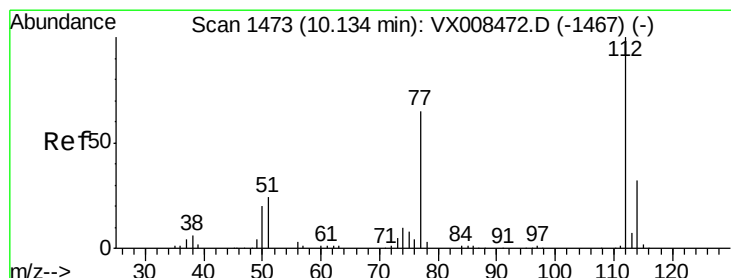
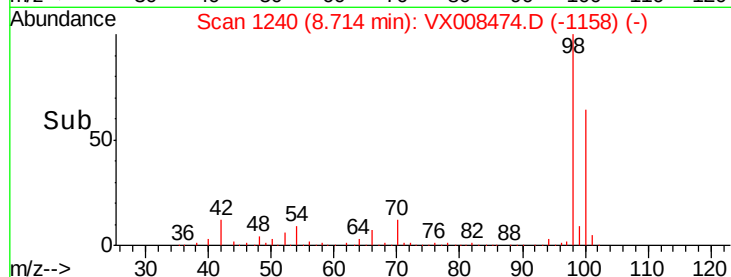
8.65

8.70

8.75

8.80

Time-->



#64

Chlorobenzene

Concen: 106.116 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008474.D

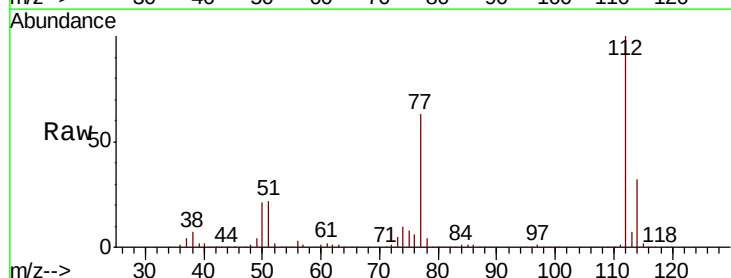
Acq: 27 Mar 2019 11:17

Tgt Ion: 112 Resp: 745666

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

600000

500000

400000

300000

200000

100000

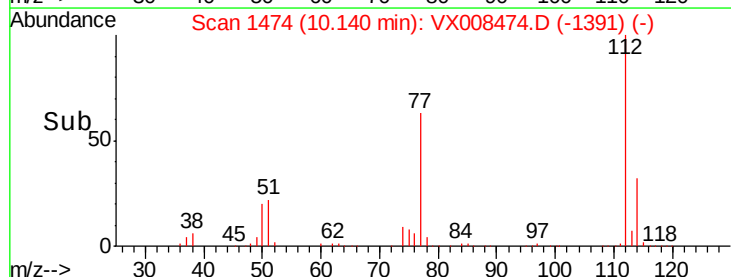
0

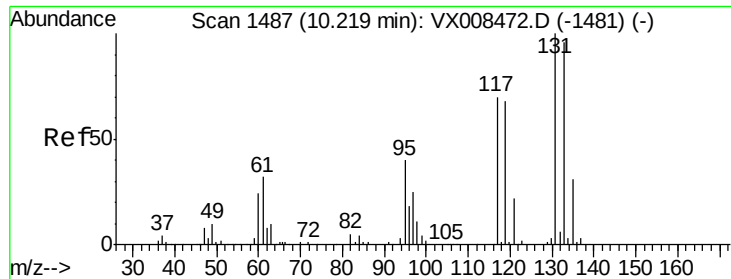
10.10

10.14

10.18

Time-->

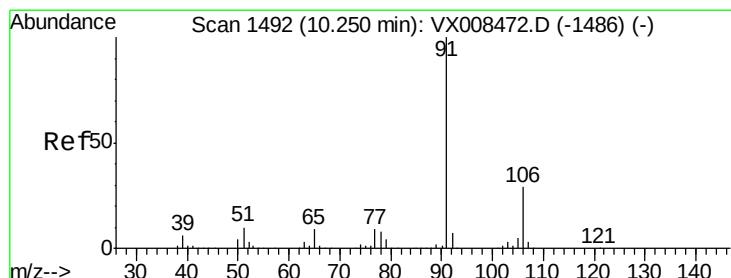
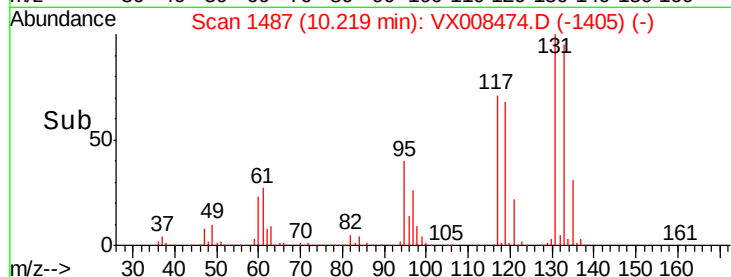
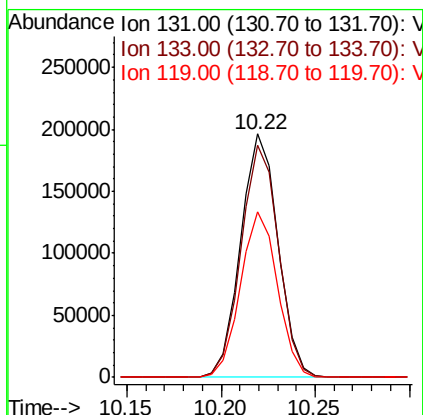
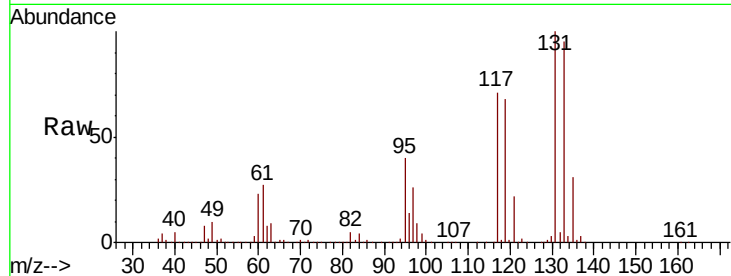




#65
 1,1,1,2-Tetrachloroethane
 Concen: 100.432 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

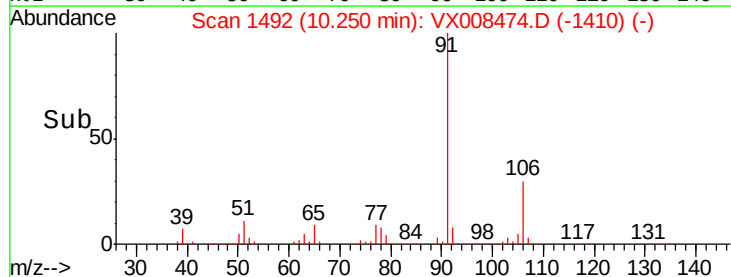
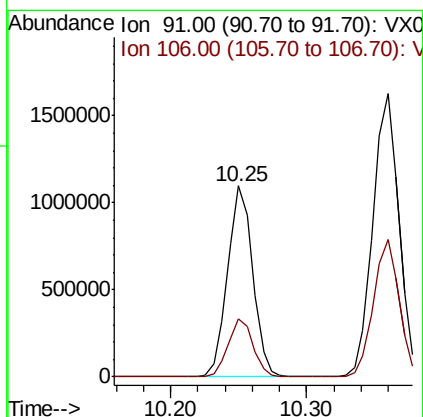
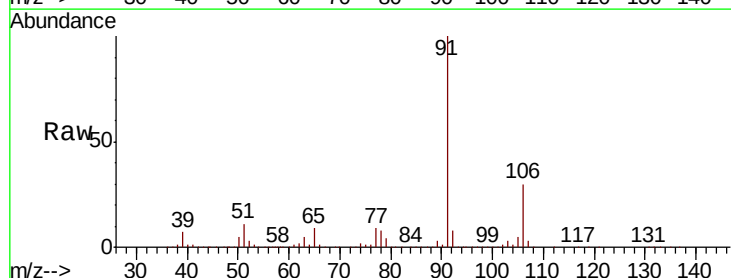
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

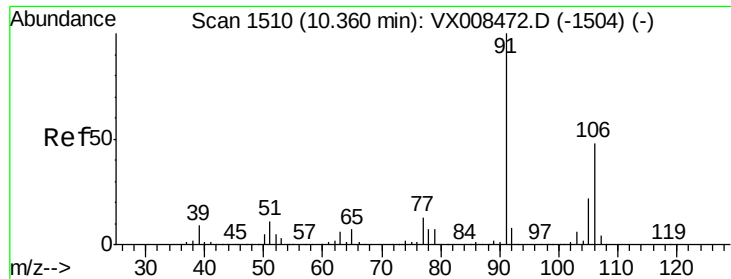
Tgt Ion:131 Resp: 269536
 Ion Ratio Lower Upper
 131 100
 133 95.4 0.0 191.6
 119 67.6 0.0 127.4



#66
 Ethyl Benzene
 Concen: 119.727 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion: 91 Resp: 1411309
 Ion Ratio Lower Upper
 91 100
 106 30.3 26.0 39.0

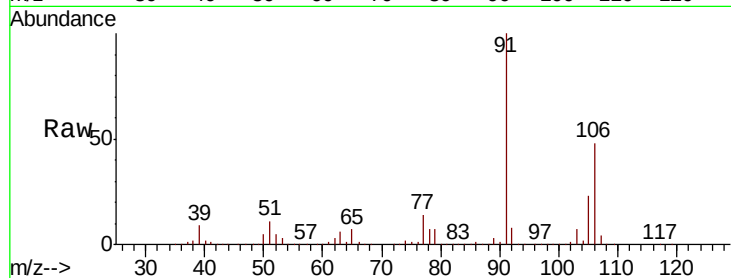




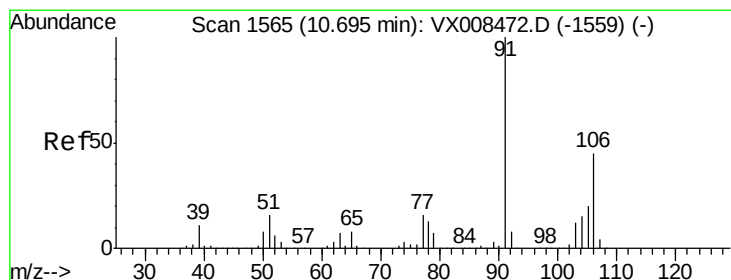
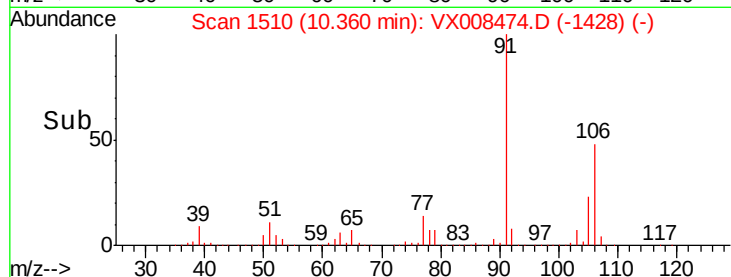
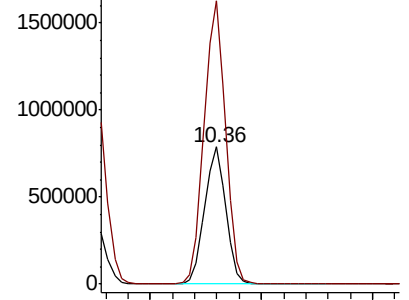
#67
m/p-Xylenes
Concen: 221.970 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 1039932
Ion Ratio Lower Upper
106 100
91 209.0 157.0 235.4

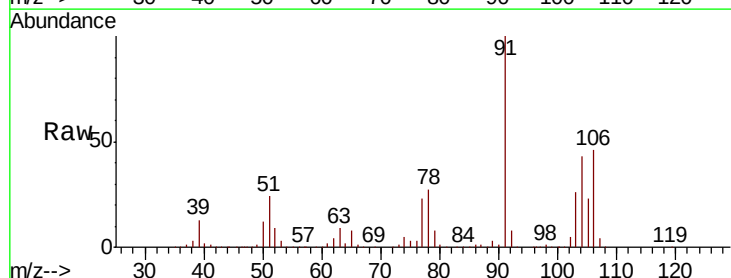


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

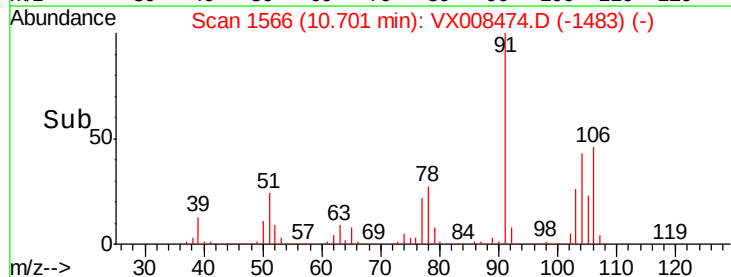
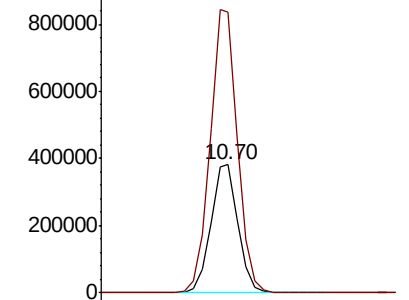


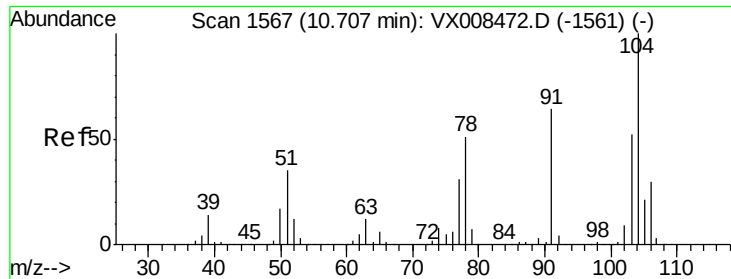
#68
o-Xylene
Concen: 111.993 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion:106 Resp: 504035
Ion Ratio Lower Upper
106 100
91 221.5 104.4 313.2



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

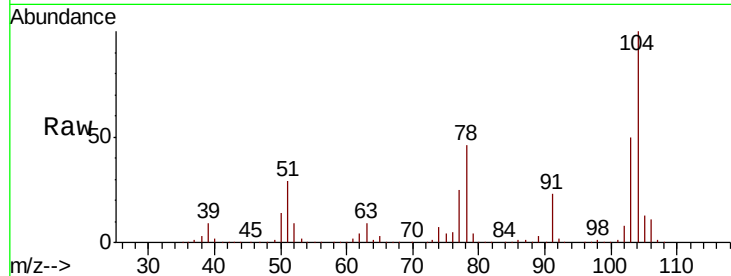




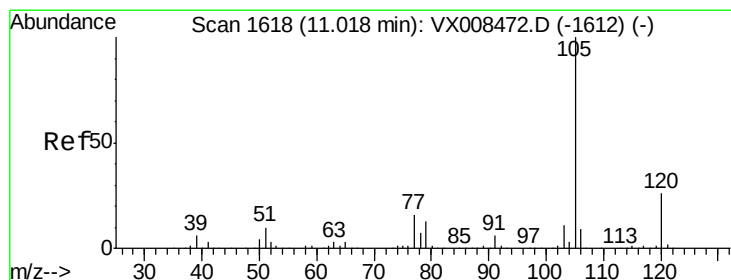
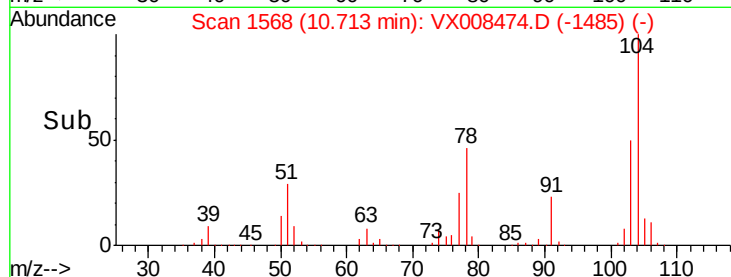
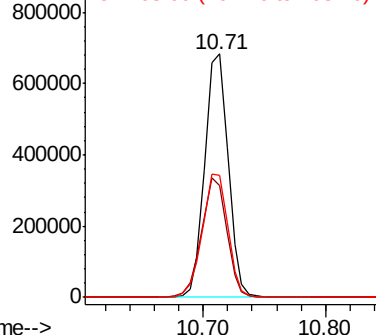
#69
Styrene
Concen: 118.687 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:104 Resp: 901811
Ion Ratio Lower Upper
104 100
78 52.9 38.2 57.2
103 55.4 45.0 67.4

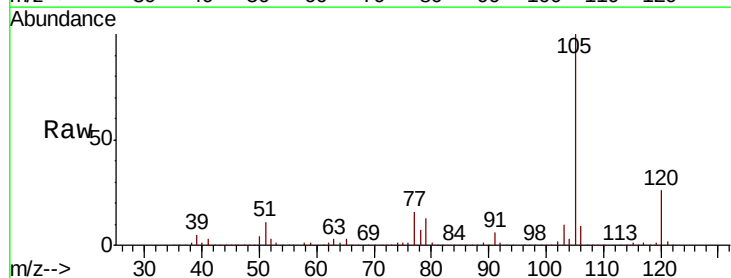


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

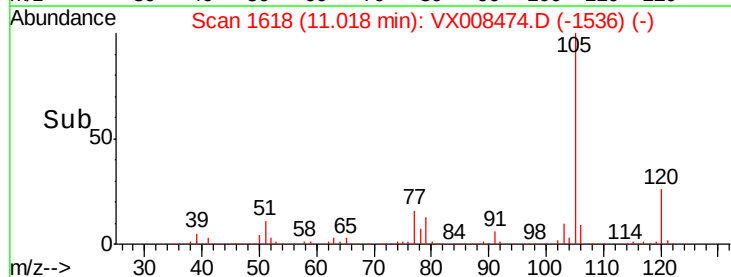
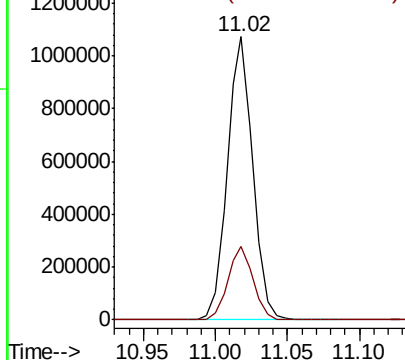


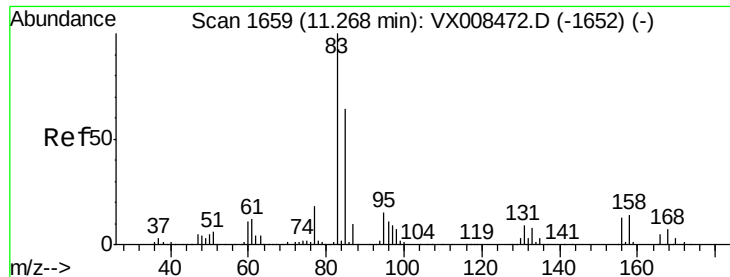
#70
Isopropylbenzene
Concen: 111.952 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion:105 Resp: 1325639
Ion Ratio Lower Upper
105 100
120 25.8 19.8 36.8



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

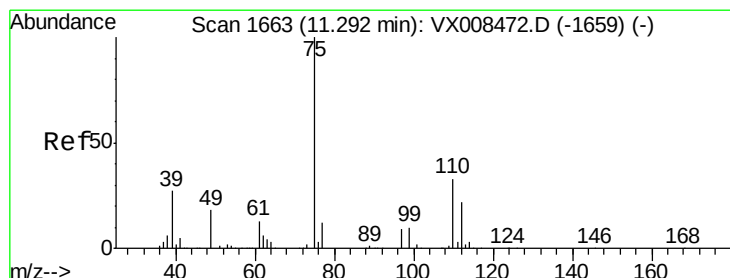
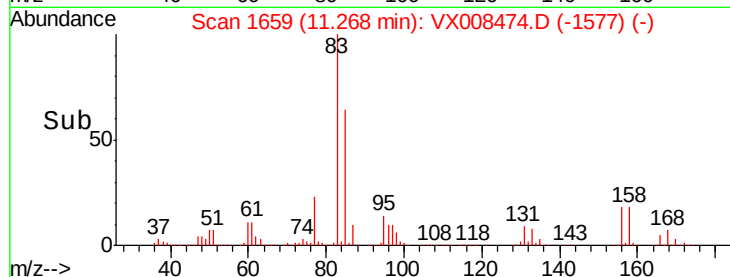
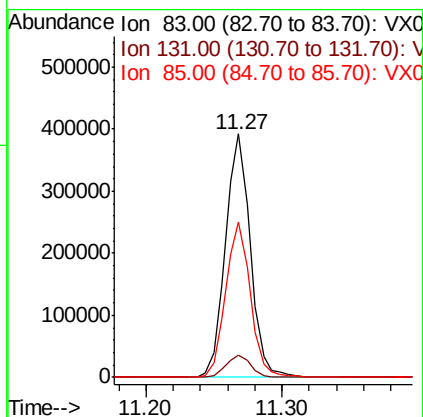
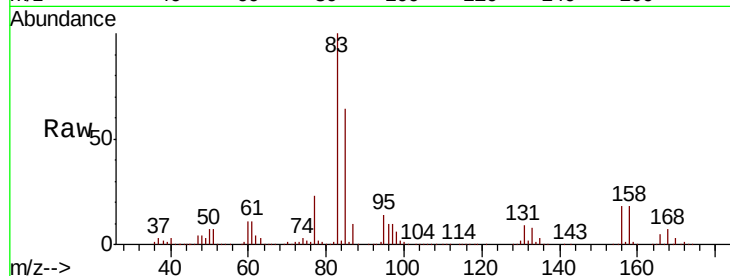




#71
 1,1,2,2-Tetrachloroethane
 Concen: 123.051 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

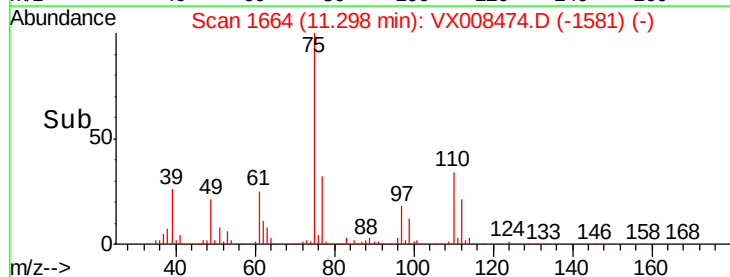
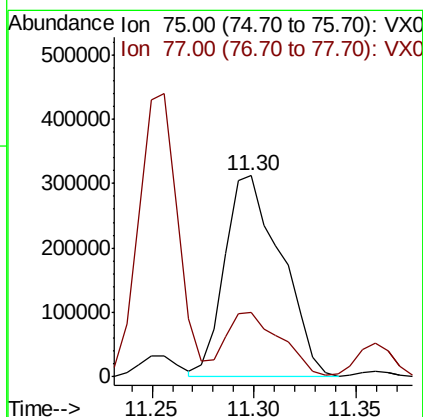
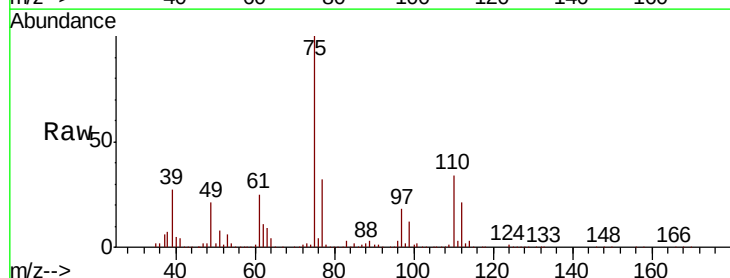
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

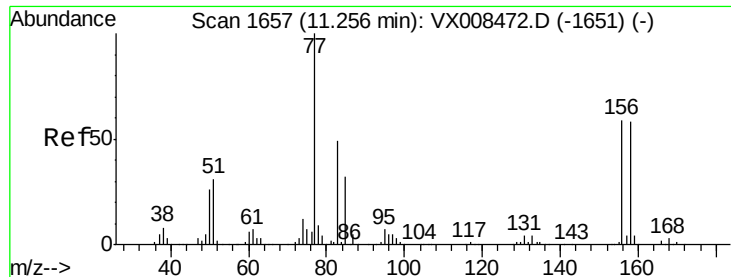
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.0	5.4	16.2
85	63.9	32.8	98.4



#72
 1,2,3-Trichloropropane
 Concen: 184.963 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	0.0	76.4





#73

Bromobenzene

Concen: 99.085 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

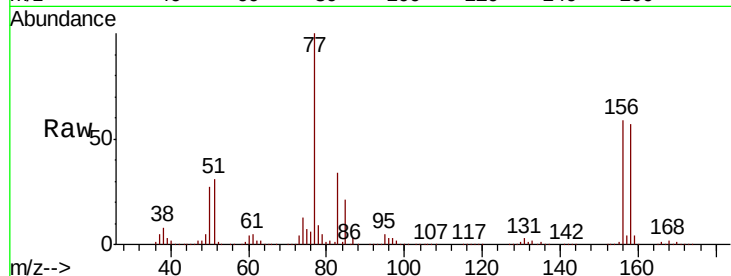
Tgt Ion:156 Resp: 324622

Ion Ratio Lower Upper

156 100

77 178.9 0.0 271.4

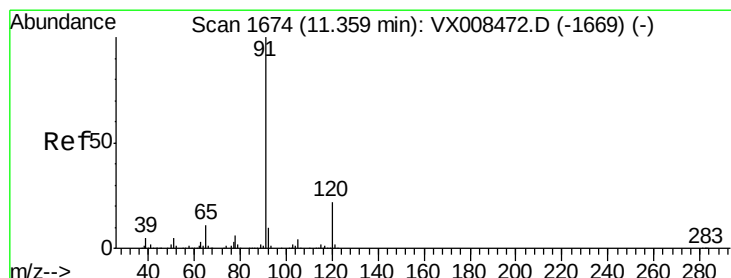
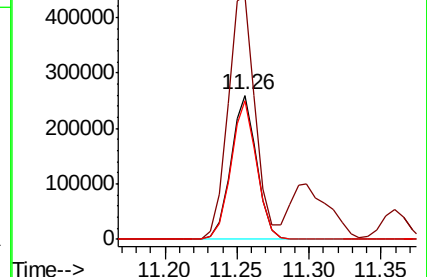
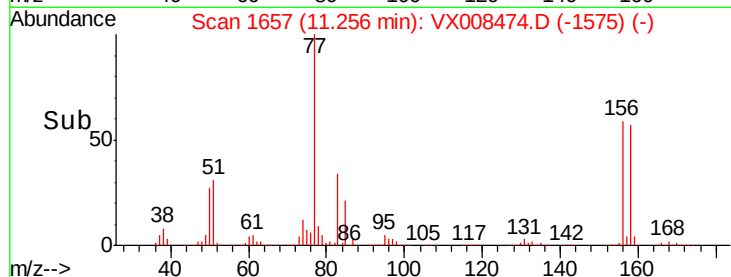
158 96.7 0.0 194.0



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: 121.311 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008474.D

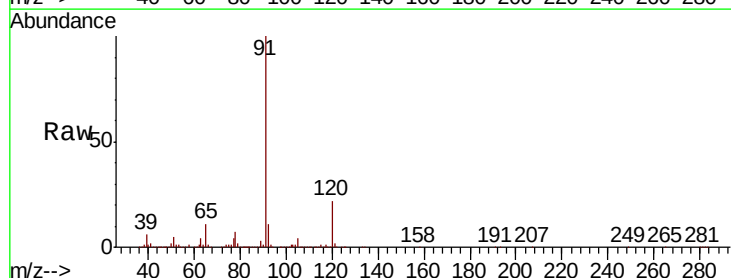
Acq: 27 Mar 2019 11:17

Tgt Ion: 91 Resp: 1601147

Ion Ratio Lower Upper

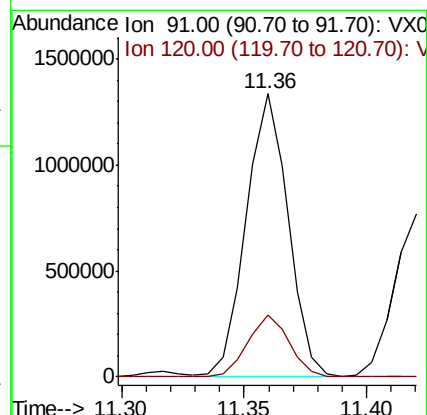
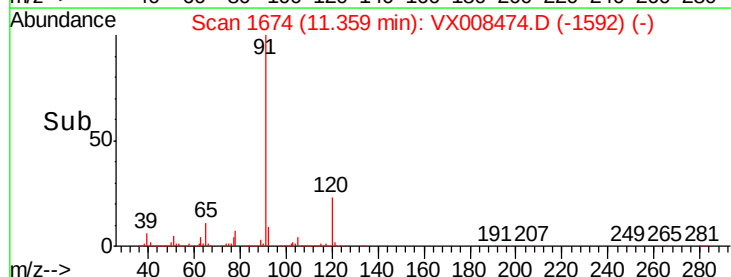
91 100

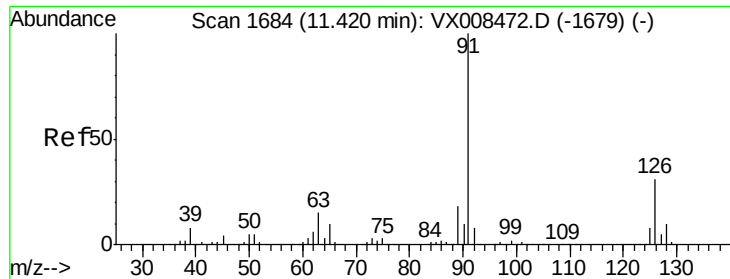
120 21.6 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

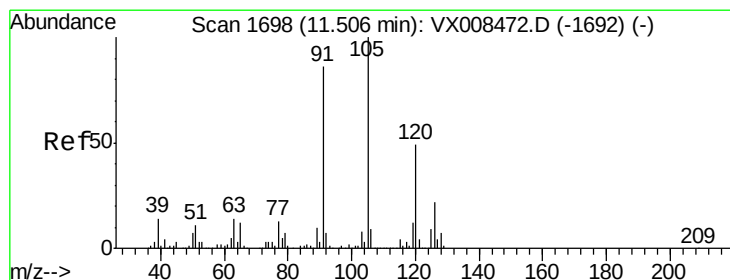
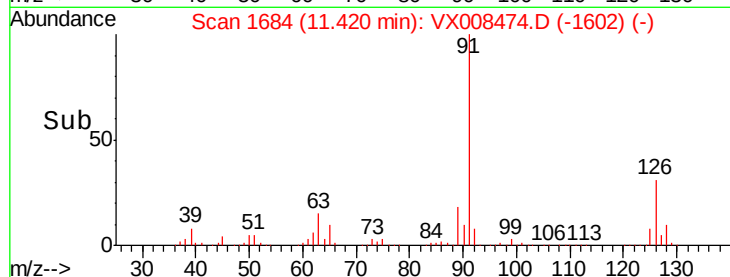
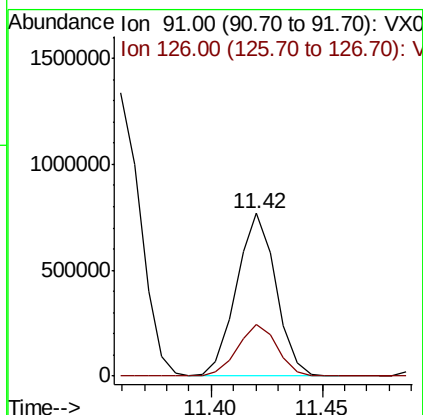
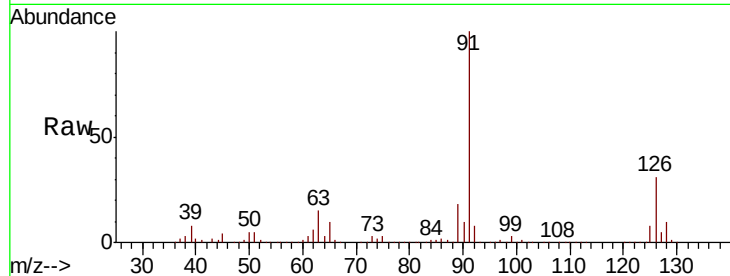




#75
 2-Chlorotoluene
 Concen: 120.608 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

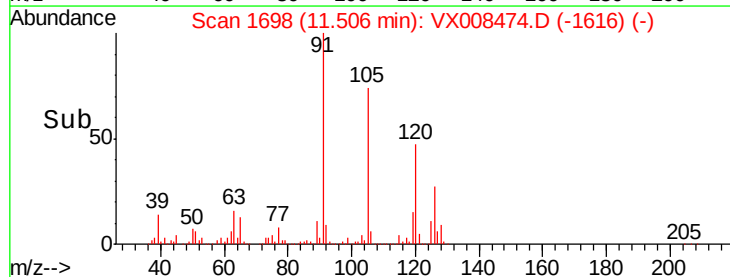
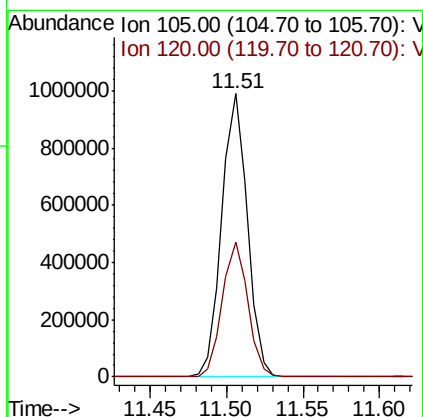
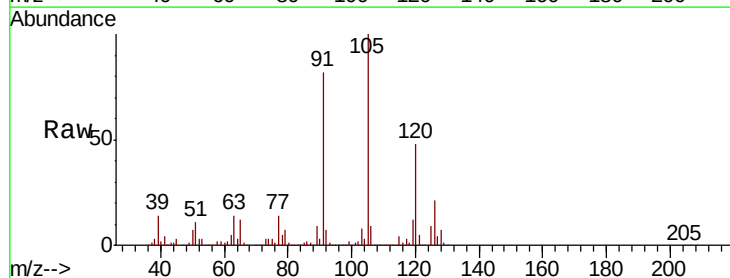
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

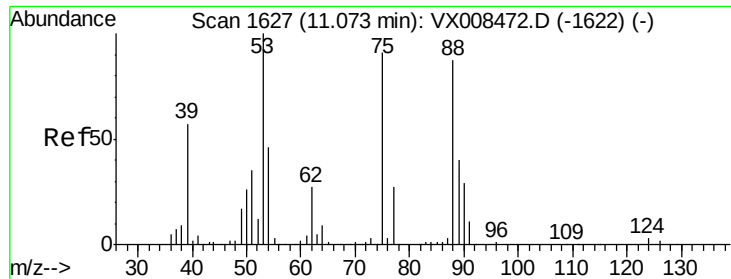
Tgt Ion: 91 Resp: 950667
 Ion Ratio Lower Upper
 91 100
 126 31.8 0.0 75.2



#76
 1,3,5-Trimethylbenzene
 Concen: 113.613 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion: 105 Resp: 1149276
 Ion Ratio Lower Upper
 105 100
 120 47.5 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 160.537 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

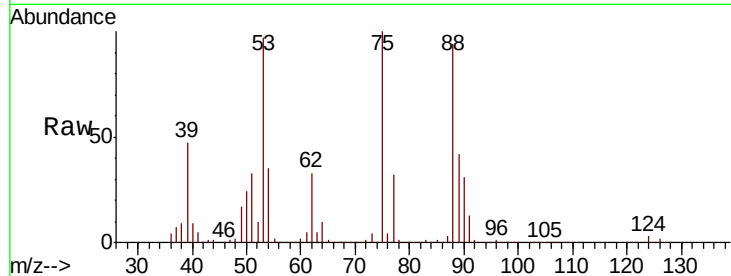
Tgt Ion: 75 Resp: 184981

Ion Ratio Lower Upper

75 100

53 96.8 55.5 166.7

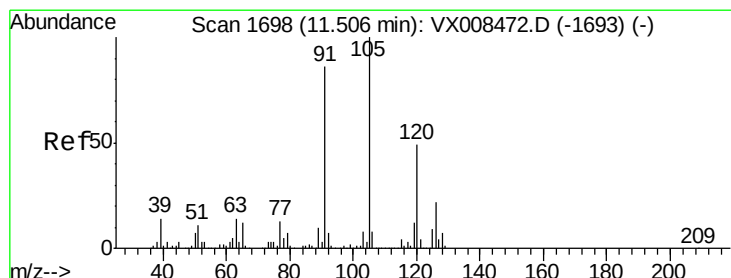
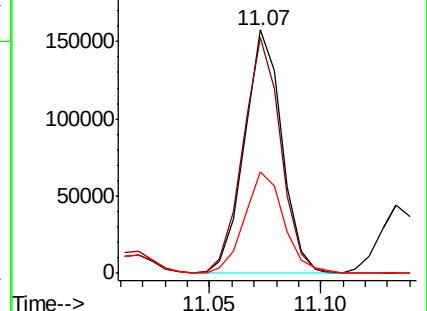
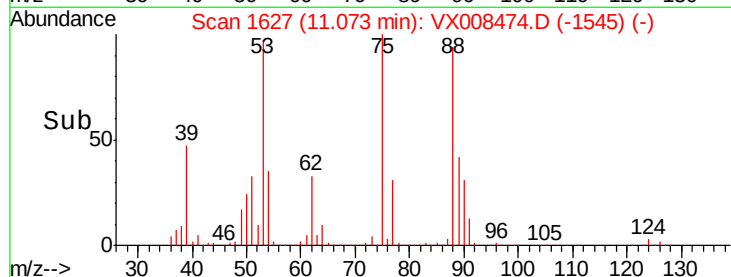
89 41.8 24.4 73.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 119.218 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX008474.D

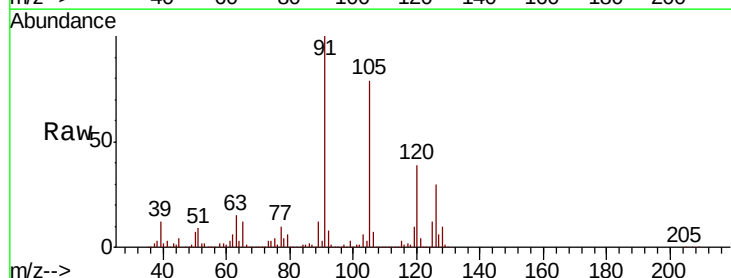
Acq: 27 Mar 2019 11:17

Tgt Ion: 91 Resp: 1105957

Ion Ratio Lower Upper

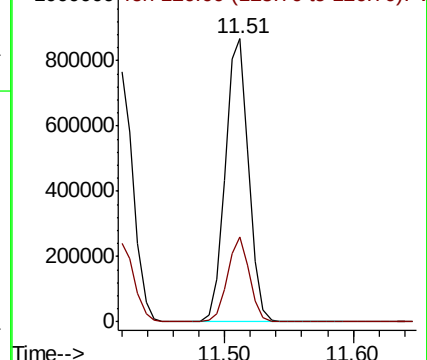
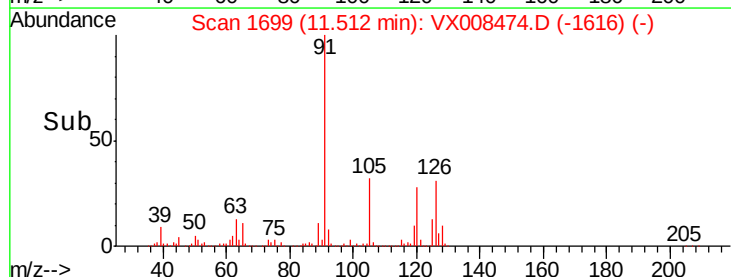
91 100

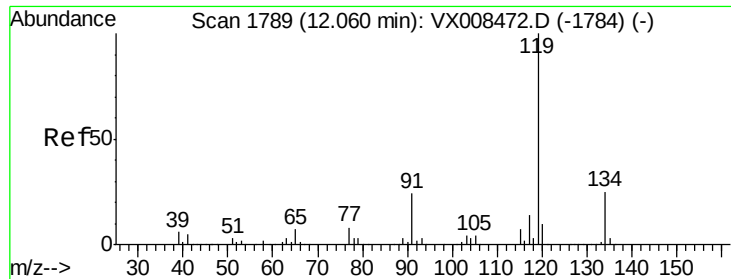
126 28.3 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

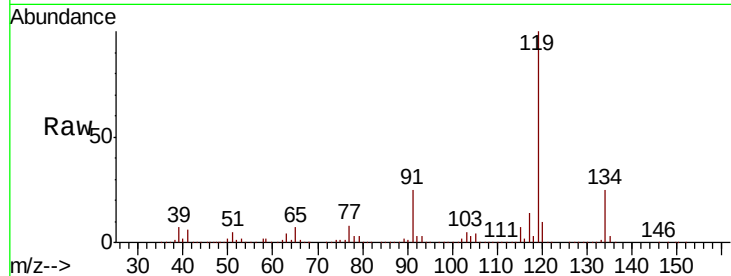




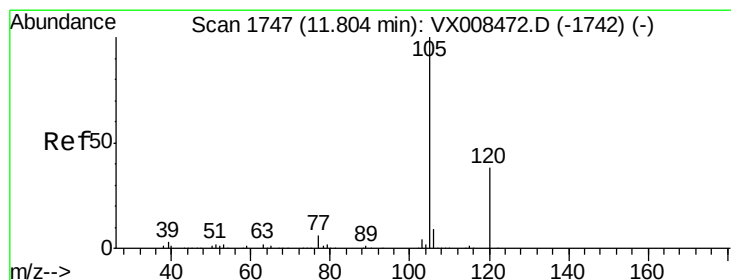
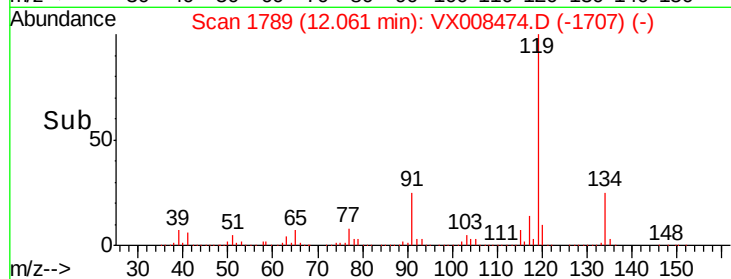
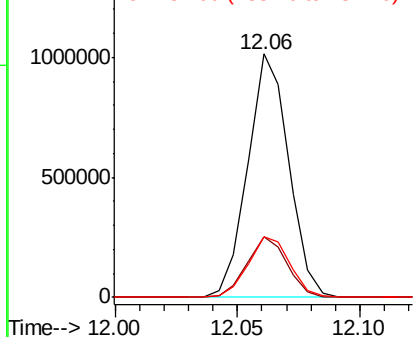
#79
tert-butylbenzene
Concen: 111.070 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:119 Resp: 1181858
Ion Ratio Lower Upper
119 100
91 24.5 0.0 45.0
134 25.6 0.0 55.4

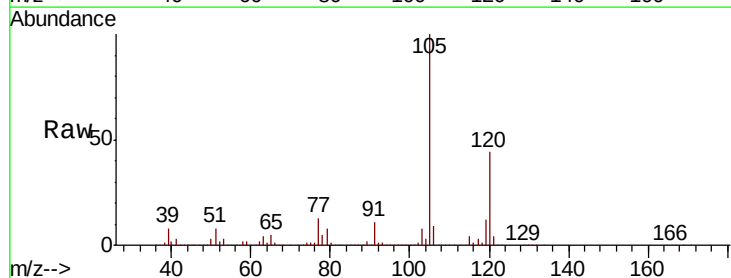


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

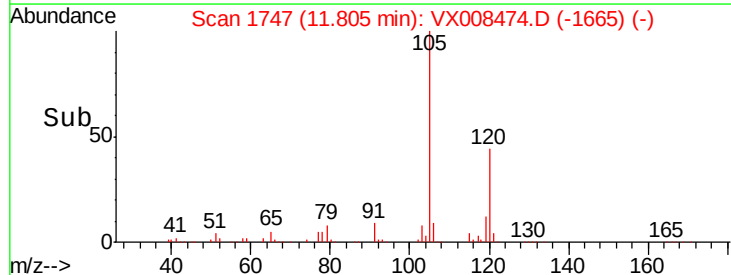
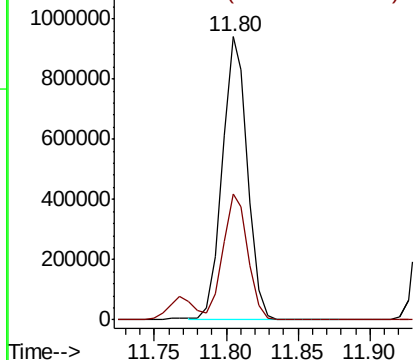


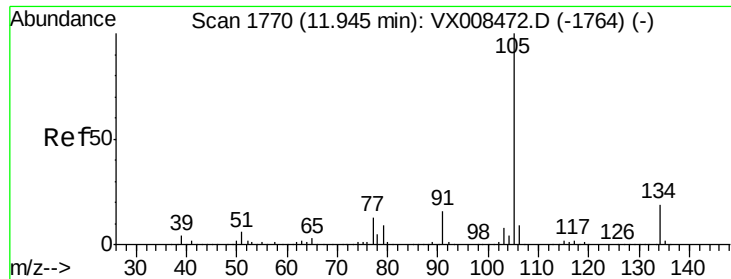
#80
1,2,4-Trimethylbenzene
Concen: 114.223 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion:105 Resp: 1148162
Ion Ratio Lower Upper
105 100
120 43.8 0.0 94.0



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





#81

sec-Butylbenzene

Concen: 113.335 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampleId :

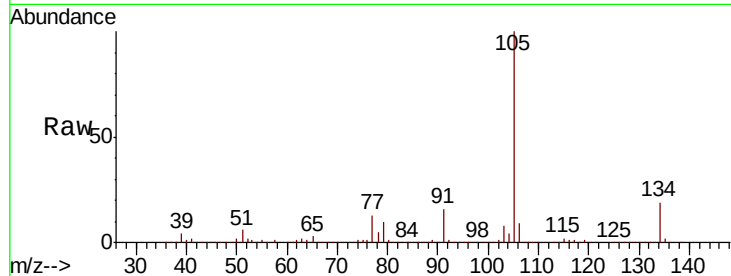
VSTDIC100

Tgt Ion:105 Resp: 1307673

Ion Ratio Lower Upper

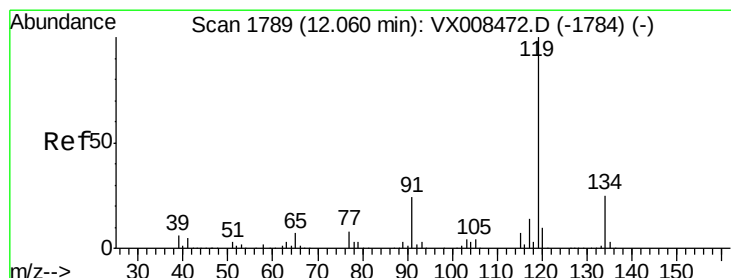
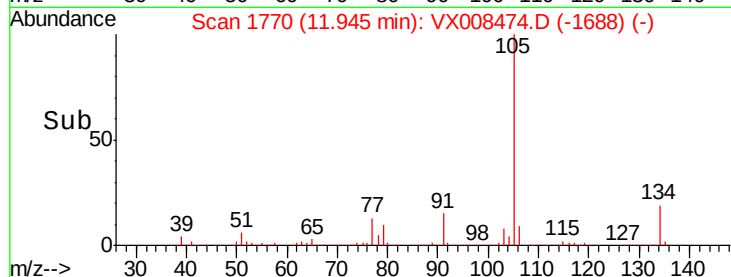
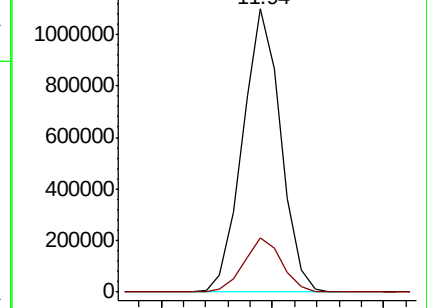
105 100

134 19.0 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 111.070 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

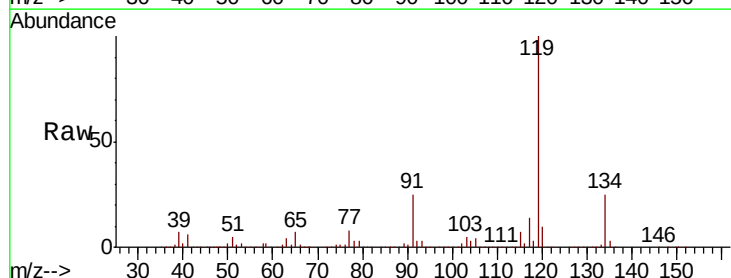
Tgt Ion:119 Resp: 1181858

Ion Ratio Lower Upper

119 100

134 25.6 0.0 55.4

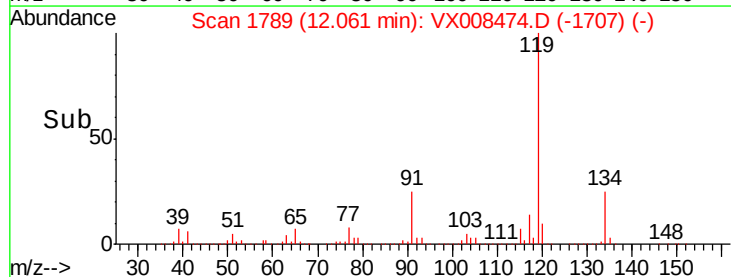
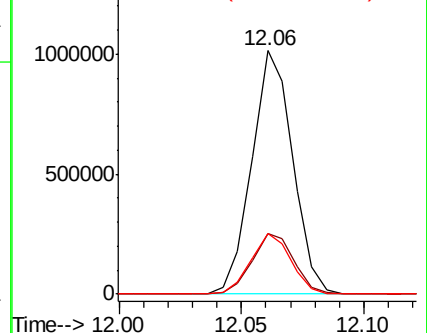
91 24.5 0.0 45.0

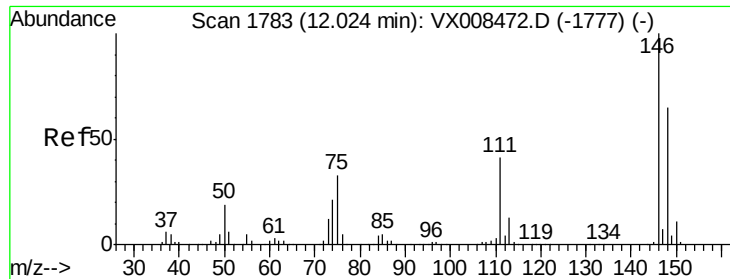


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

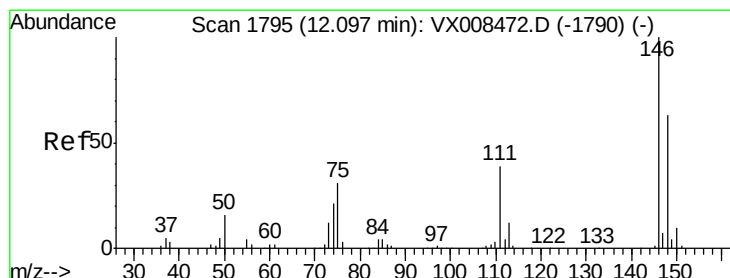
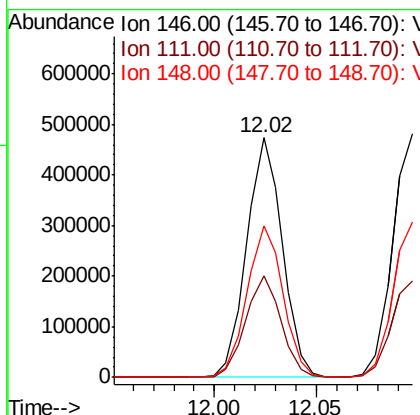
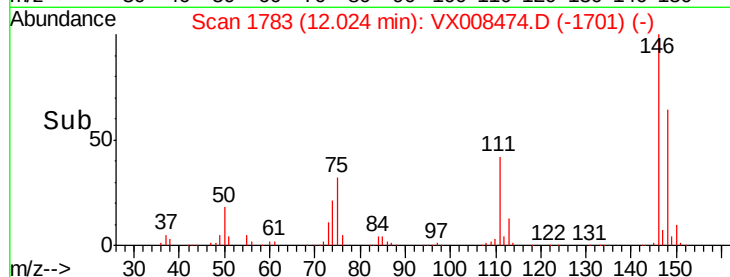
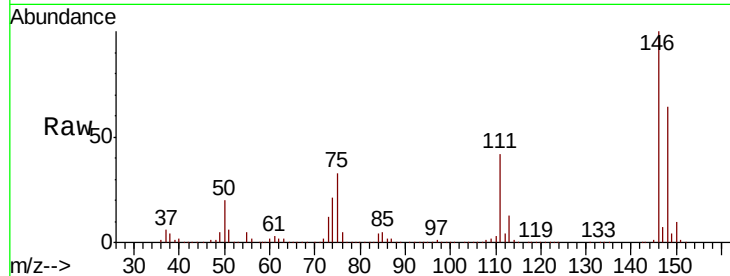




#83
 1,3-Dichlorobenzene
 Concen: 101.484 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

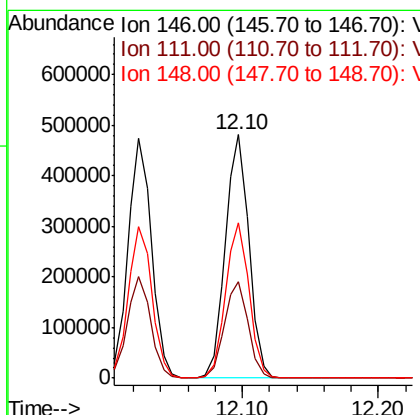
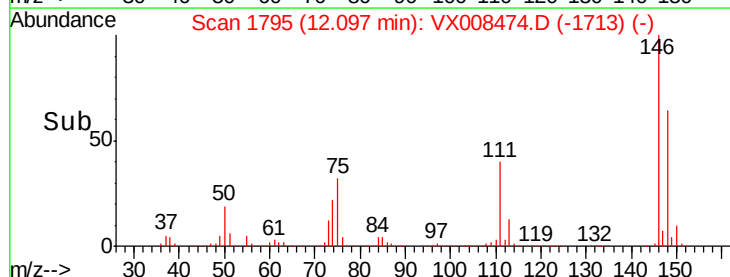
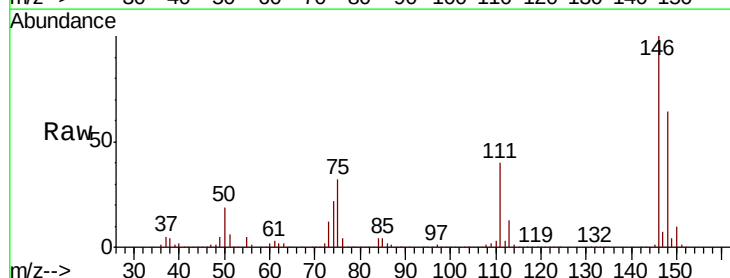
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

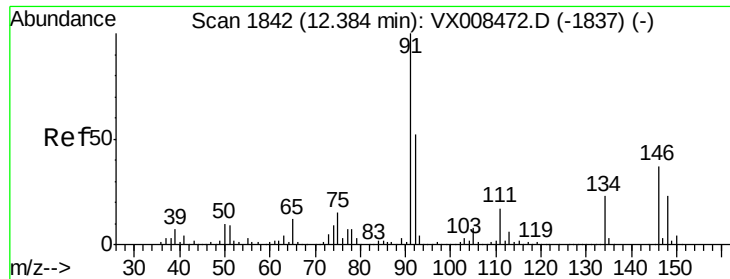
Tgt Ion:146 Resp: 577080
 Ion Ratio Lower Upper
 146 100
 111 41.9 18.8 56.3
 148 63.8 30.6 91.8



#84
 1,4-Dichlorobenzene
 Concen: 101.781 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion:146 Resp: 576357
 Ion Ratio Lower Upper
 146 100
 111 40.0 17.6 52.8
 148 63.5 31.4 94.2





#85

n-Butylbenzene

Concen: 126.408 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008474.D

Acq: 27 Mar 2019 11:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

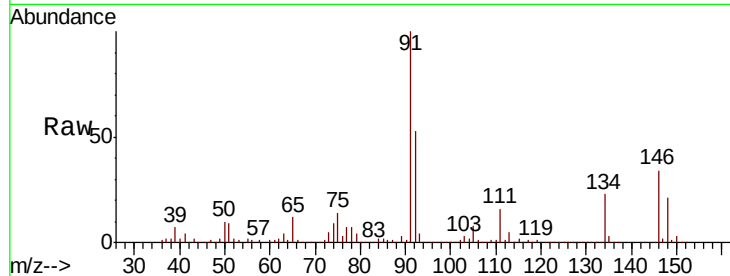
Tgt Ion: 91 Resp: 1156994

Ion Ratio Lower Upper

91 100

92 53.0 0.0 105.2

134 24.0 0.0 56.4

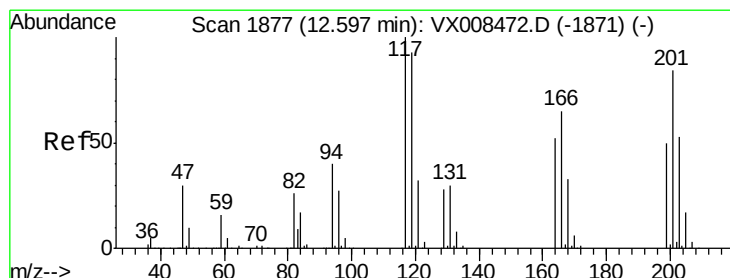
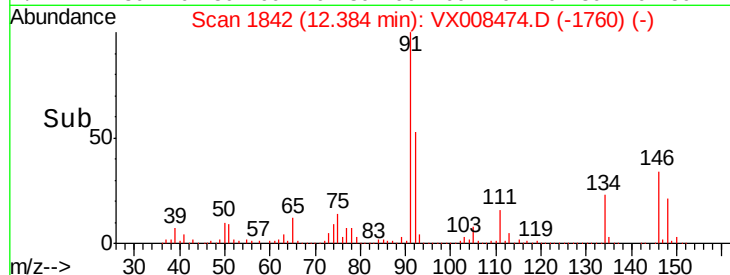


Abundance Ion 91.00 (90.70 to 91.70): VX008472.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX008472.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX008472.D (-1837) (-)

Time-->



#86

Hexachloroethane

Concen: 113.721 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX008474.D

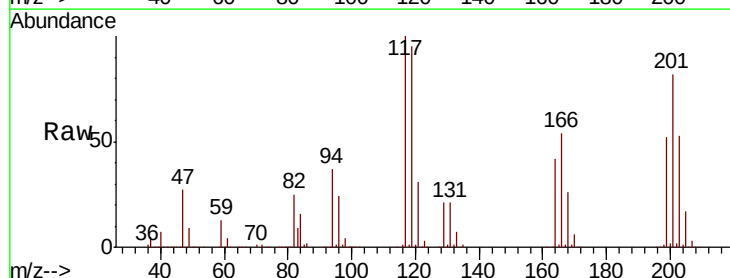
Acq: 27 Mar 2019 11:17

Tgt Ion: 117 Resp: 208552

Ion Ratio Lower Upper

117 100

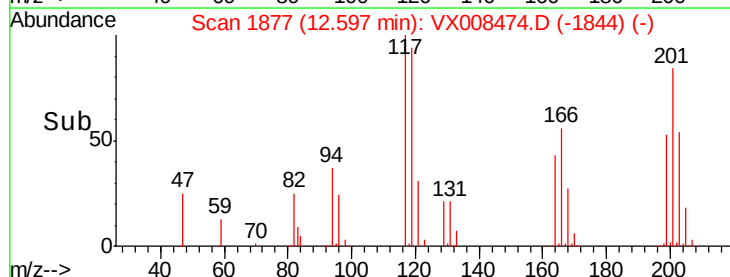
201 79.9 41.1 123.3

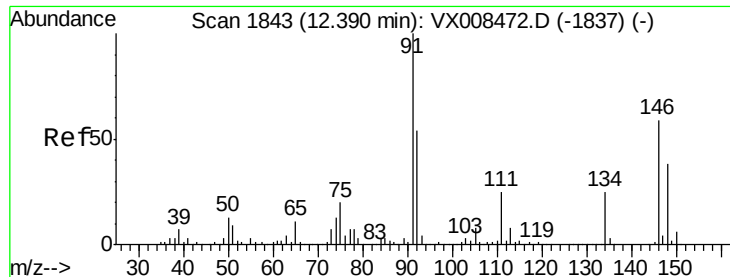


Abundance Ion 117.00 (116.70 to 117.70): VX008472.D (-1871) (-)

Ion 201.00 (200.70 to 201.70): VX008472.D (-1871) (-)

Time-->

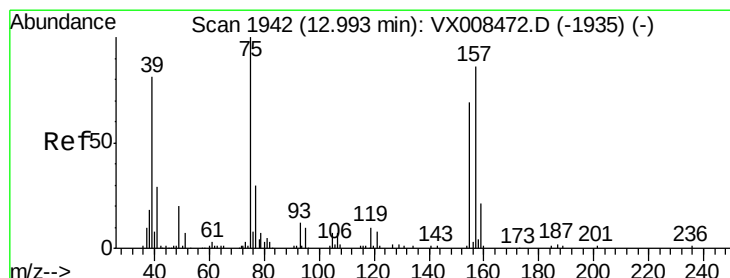
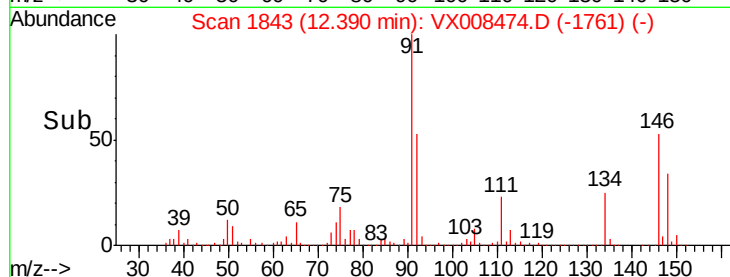
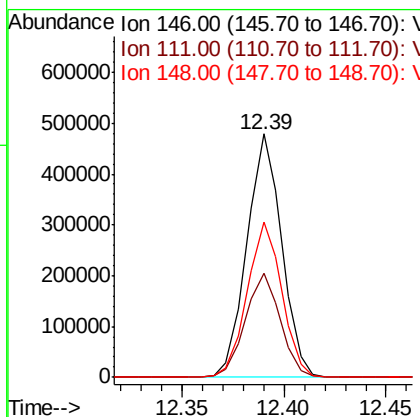
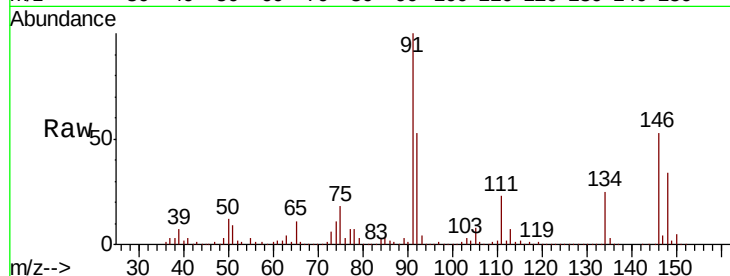




#87
 1,2-Dichlorobenzene
 Concen: 101.519 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

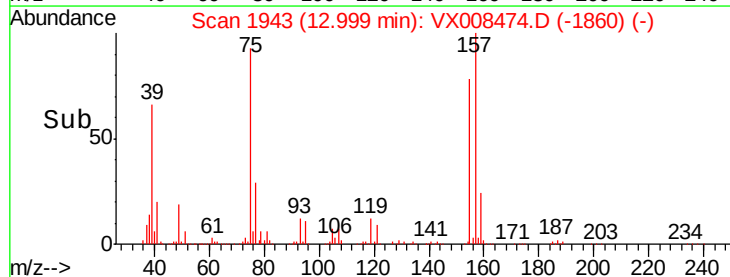
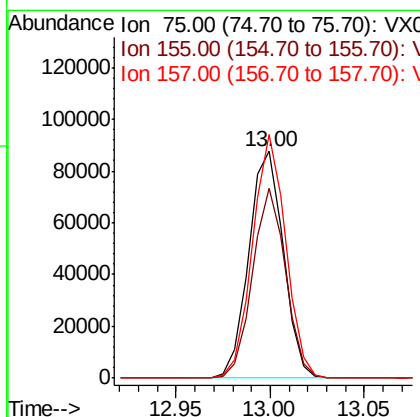
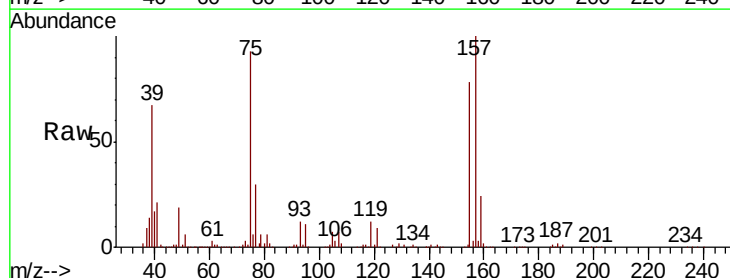
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

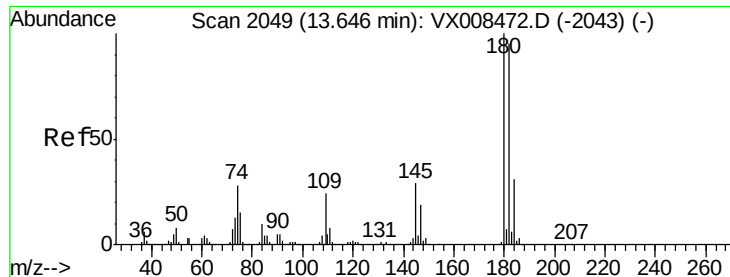
Tgt Ion:146 Resp: 569310
 Ion Ratio Lower Upper
 146 100
 111 43.0 19.3 57.8
 148 63.7 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 120.850 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.01 min
 Lab File: VX008474.D
 Acq: 27 Mar 2019 11:17

Tgt Ion: 75 Resp: 111705
 Ion Ratio Lower Upper
 75 100
 155 79.7 81.0 121.6#
 157 102.8 103.2 154.8#

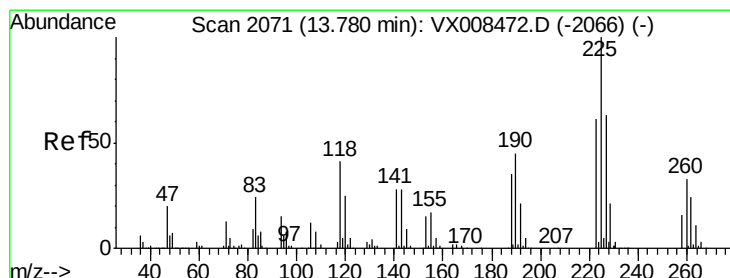
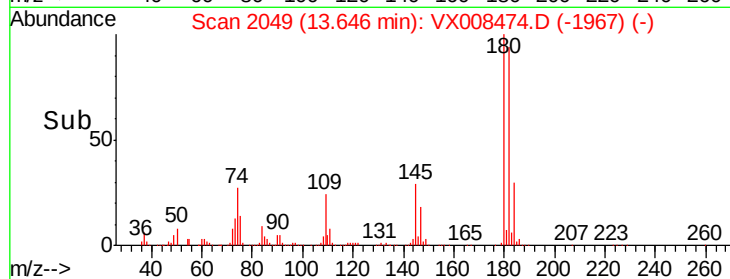
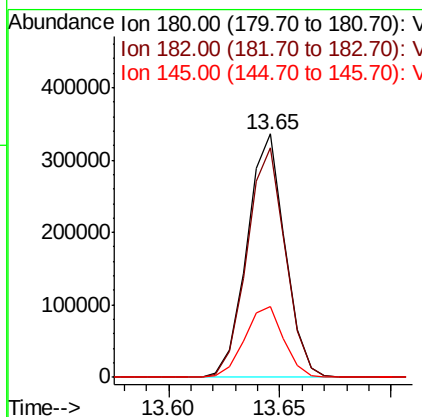
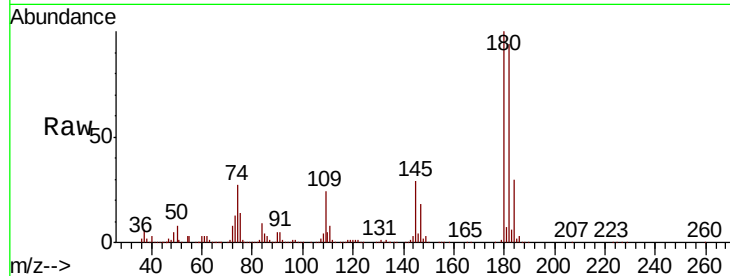




#89
1,2,4-Trichlorobenzene
Concen: 100.759 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

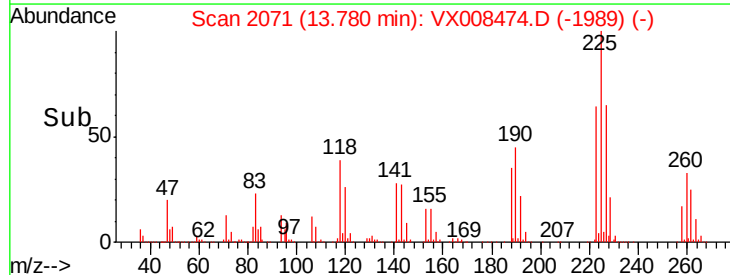
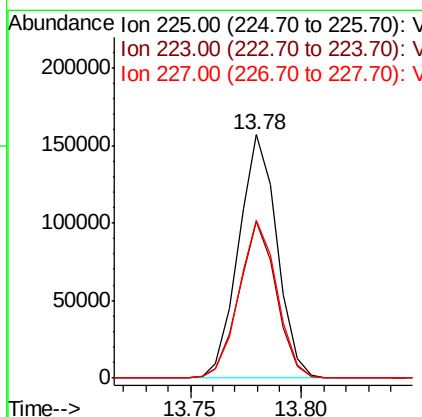
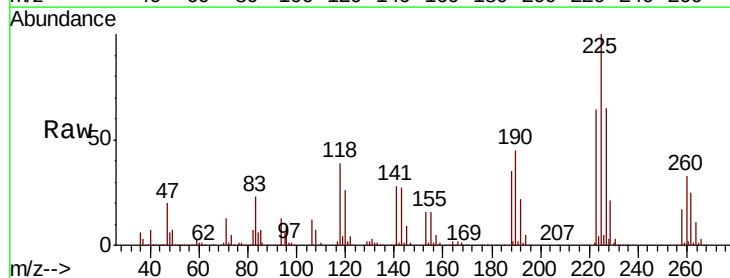
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

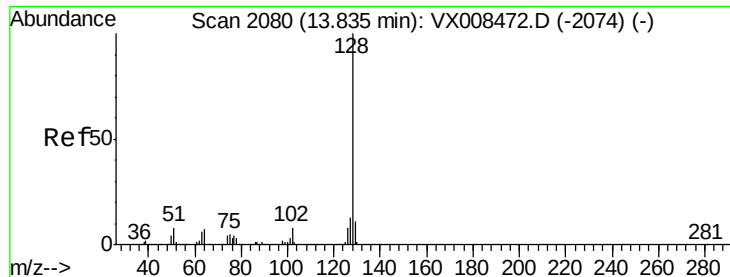
Tgt Ion:180 Resp: 399908
Ion Ratio Lower Upper
180 100
182 95.1 75.6 113.4
145 30.0 23.0 34.6



#90
Hexachlorobutadiene
Concen: 94.070 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion:225 Resp: 187953
Ion Ratio Lower Upper
225 100
223 62.8 0.0 123.8
227 64.3 0.0 124.4

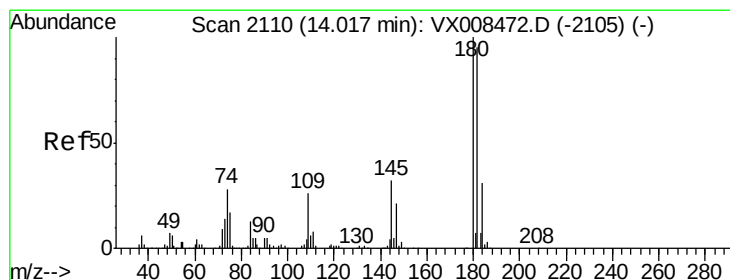
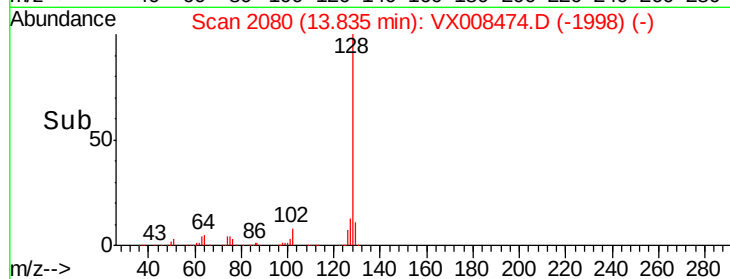
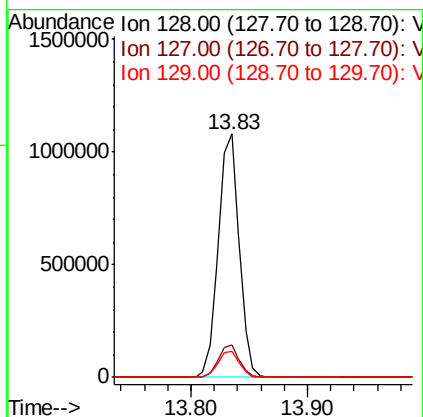
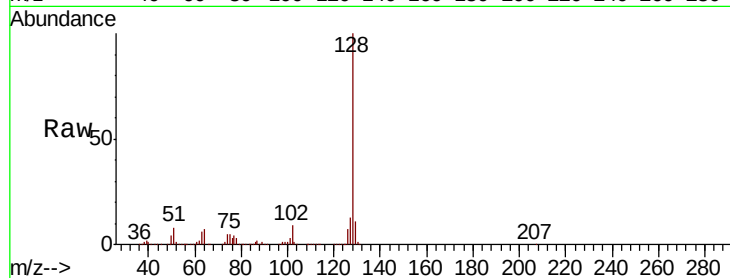




#91
Naphthalene
Concen: 111.351 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 1327365
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.9 13.3



#92
1,2,3-Trichlorobenzene
Concen: 97.353 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008474.D
Acq: 27 Mar 2019 11:17

Tgt Ion:180 Resp: 390626
Ion Ratio Lower Upper
180 100
182 95.7 0.0 193.0
145 32.4 0.0 63.0

