

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051619\
 Data File : VW010413.D
 Acq On : 16 May 2019 20:29
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: May 17 08:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 08:39:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	997053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1741055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1584569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	763102	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	1049931	98.58	ug/l	0.00
Spiked Amount			Recovery	=	197.16%	
35) Dibromofluoromethane	7.88	113	1041655	101.30	ug/l	0.00
Spiked Amount			Recovery	=	202.60%	
50) Toluene-d8	10.32	98	4038825	97.81	ug/l	0.00
Spiked Amount			Recovery	=	195.62%	
62) 4-Bromofluorobenzene	12.62	95	1547114	104.31	ug/l	0.00
Spiked Amount			Recovery	=	208.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	564779	72.706	ug/l	98
3) Chloromethane	2.21	50	829152	83.945	ug/l	100
4) Vinyl Chloride	2.37	62	1044564	84.324	ug/l	99
5) Bromomethane	2.77	94	700033	95.921	ug/l	96
6) Chloroethane	2.92	64	641574	89.453	ug/l	99
7) Trichlorofluoromethane	3.25	101	627494	99.443	ug/l	99
8) Diethyl Ether	3.67	74	496685	89.715	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	882689	86.170	ug/l	99
10) Methyl Iodide	4.27	142	1451645	98.058	ug/l	99
11) Tert butyl alcohol	5.18	59	415052	537.383	ug/l	99
12) 1,1-Dichloroethene	4.03	96	945928	88.369	ug/l	97
13) Acrolein	3.88	56	242999	271.257	ug/l	96
14) Allyl chloride	4.65	41	1180163	75.796	ug/l	99
15) Acrylonitrile	5.36	53	1150904	385.815	ug/l	100
16) Acetone	4.12	43	970340	372.455	ug/l	100
17) Carbon Disulfide	4.38	76	2506787	78.804	ug/l	99
18) Methyl Acetate	4.67	43	566178	84.711	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	1287208	98.516	ug/l	99
20) Methylene Chloride	4.92	84	961405	84.064	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	1041460	89.941	ug/l	99
22) Diisopropyl ether	6.31	45	2944692	94.499	ug/l	97
23) Vinyl Acetate	6.25	43	10396372	485.537	ug/l	100
24) 1,1-Dichloroethane	6.21	63	1802135	86.497	ug/l	97
25) 2-Butanone	7.17	43	1805809	438.021	ug/l	99
26) 2,2-Dichloropropane	7.16	77	867038	83.683	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	1206515	99.510	ug/l	100
28) Bromochloromethane	7.51	49	835618	104.949	ug/l	98
29) Tetrahydrofuran	7.53	42	1190607	444.343	ug/l	100
30) Chloroform	7.67	83	1867843	94.207	ug/l	100
31) Cyclohexane	7.95	56	1605577	76.341	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	1431510	93.217	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1435640	78.675	ug/l	100
37) Ethyl Acetate	7.25	43	790457	81.297	ug/l	99
38) Carbon Tetrachloride	8.06	117	1466521	91.123	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1912277	85.241	ug/l	98
40) Benzene	8.32	78	4204321	83.216	ug/l	99
41) Methacrylonitrile	7.48	41	472081	86.396	ug/l	98
42) 1,2-Dichloroethane	8.40	62	1234355	84.835	ug/l	100
43) Isopropyl Acetate	8.43	43	1581286	95.211	ug/l	99
44) Trichloroethene	9.09	130	1188931	92.122	ug/l	99
45) 1,2-Dichloropropane	9.37	63	1048768	83.358	ug/l	98
46) Dibromomethane	9.46	93	611976	92.329	ug/l	100
47) Bromodichloromethane	9.64	83	1511092	94.608	ug/l	97
48) Methyl methacrylate	9.43	41	713015	92.173	ug/l	100
49) 1,4-Dioxane	9.45	88	218770	1902.938	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	4147721	445.429	ug/l	100
52) Toluene	10.38	92	2816537	90.198	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	1606125	99.276	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	1790517	94.094	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	890367	94.106	ug/l	99
56) Ethyl methacrylate	10.65	69	1312940	104.709	ug/l	100
57) 1,3-Dichloropropane	10.93	76	1497437	89.815	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	3041999	506.032	ug/l	99
59) 2-Hexanone	10.97	43	2956351	449.666	ug/l	100
60) Dibromochloromethane	11.13	129	1126539	108.099	ug/l	99
61) 1,2-Dibromoethane	11.23	107	908814	99.502	ug/l	100
64) Tetrachloroethene	10.86	164	1016594	92.493	ug/l	99
65) Chlorobenzene	11.66	112	3073228	93.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	1121495	100.060	ug/l	99
67) Ethyl Benzene	11.73	91	5400784	90.967	ug/l	99
68) m/p-Xylenes	11.84	106	4223557	189.782	ug/l	99
69) o-Xylene	12.16	106	2051016	100.902	ug/l	98
70) Styrene	12.18	104	3601411	101.834	ug/l	99
71) Bromoform	12.35	173	679370	104.770	ug/l	# 100
73) Isopropylbenzene	12.46	105	5423608	98.054	ug/l	99
74) N-amyl acetate	12.27	43	1650132	112.942	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	1102947	90.836	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	901319m	103.217	ug/l	
77) Bromobenzene	12.75	156	1251407	98.709	ug/l	98
78) n-propylbenzene	12.80	91	6317729	93.352	ug/l	100
79) 2-Chlorotoluene	12.90	91	3701216	95.021	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	4620150	98.787	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	410297	103.817	ug/l	97
82) 4-Chlorotoluene	12.99	91	3897793	95.597	ug/l	99
83) tert-Butylbenzene	13.21	119	3901575	99.647	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	4611783	99.032	ug/l	99
85) sec-Butylbenzene	13.38	105	5486414	95.772	ug/l	100
86) p-Isopropyltoluene	13.50	119	4981383	97.732	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	2391595	95.328	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	2409278	96.311	ug/l	99
89) n-Butylbenzene	13.83	91	4795566	94.522	ug/l	99
90) Hexachloroethane	14.10	117	995076	102.881	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	2201447	98.340	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	202897	91.804	ug/l	98

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QLast Update : Fri May 17 08:39:36 2019
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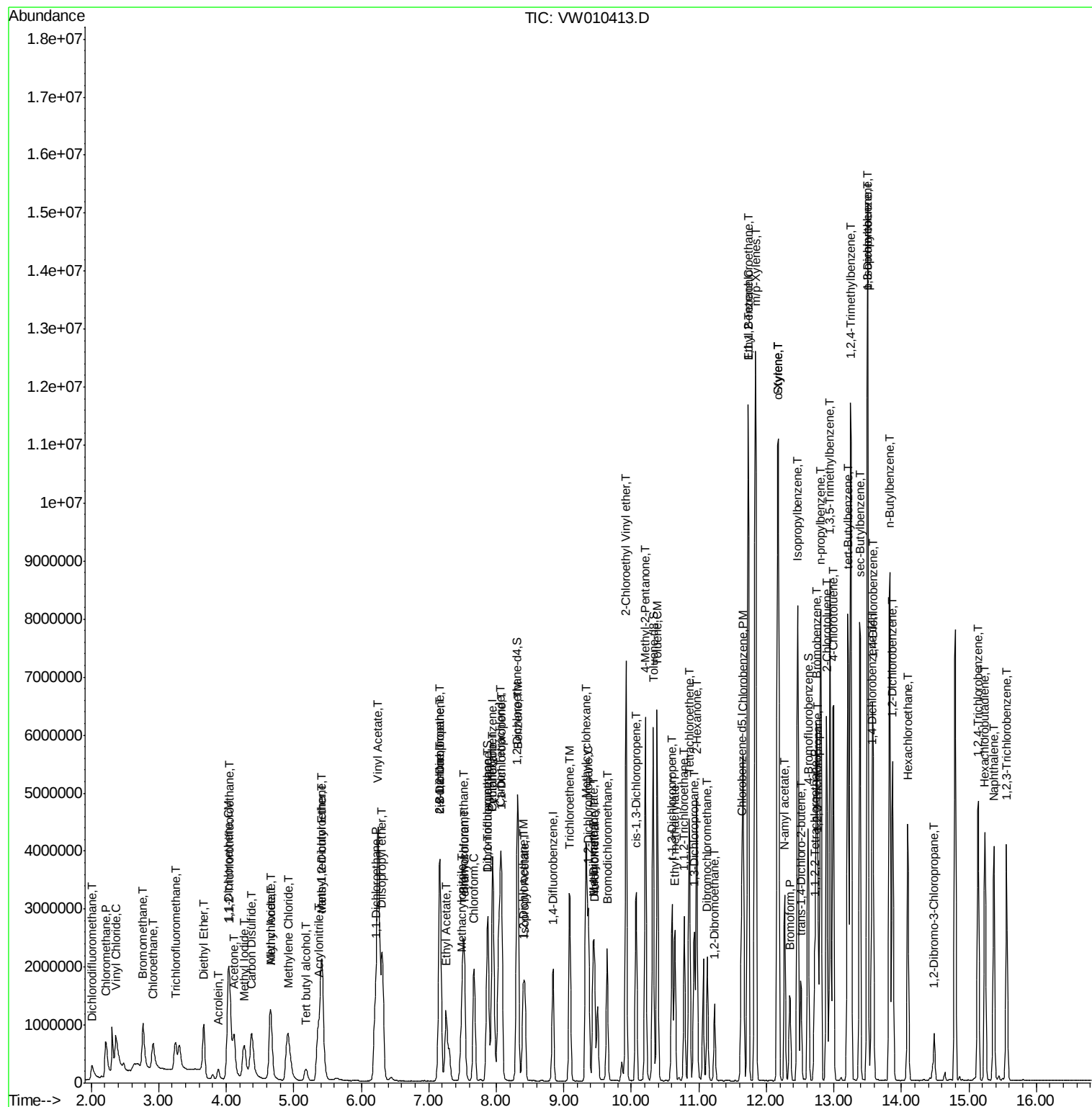
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1535959	100.974	ug/l	99
94) Hexachlorobutadiene	15.24	225	793757	84.053	ug/l	100
95) Naphthalene	15.37	128	3562638	112.499	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1396242	101.311	ug/l	100

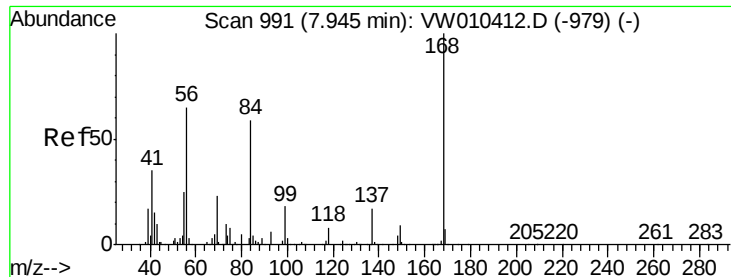
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

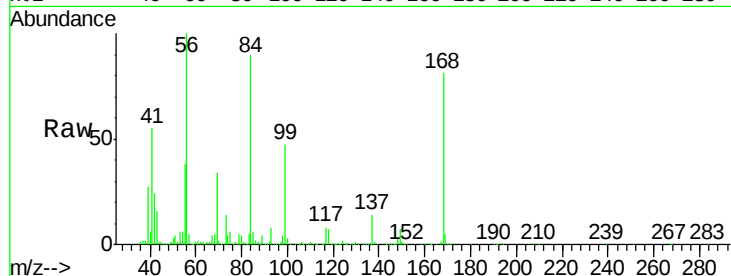
VSTDIC100

Tot Ion:168 Resp: 997053

Ion Ratio Lower Upper

168 100

99 58.2 45.6 68.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

500000

400000

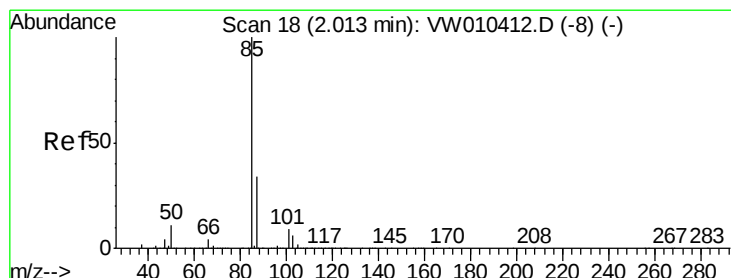
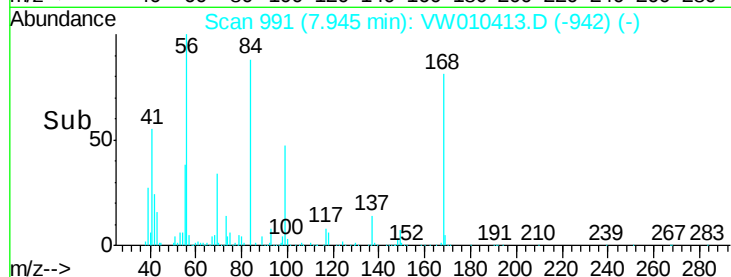
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 72.706 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010413.D

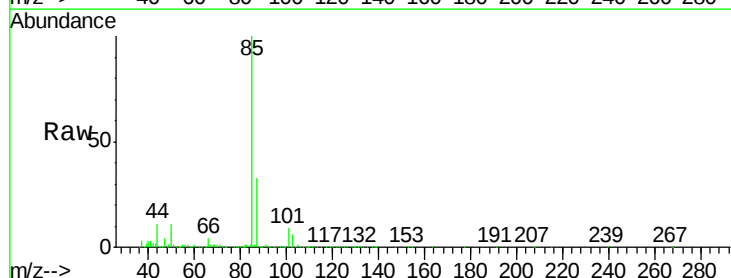
Acq: 16 May 2019 20:29

Tgt Ion: 85 Resp: 564779

Ion Ratio Lower Upper

85 100

87 32.6 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

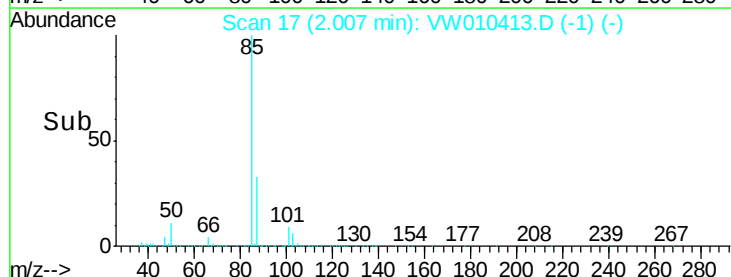
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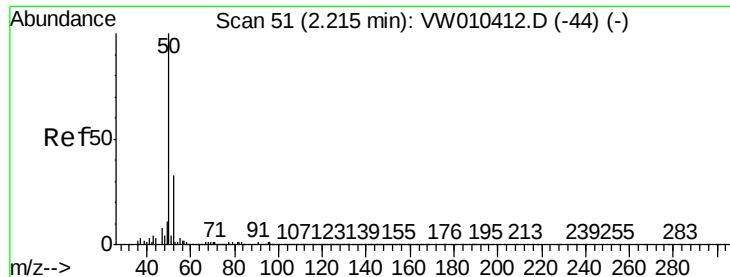
100000

50000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 83.945 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

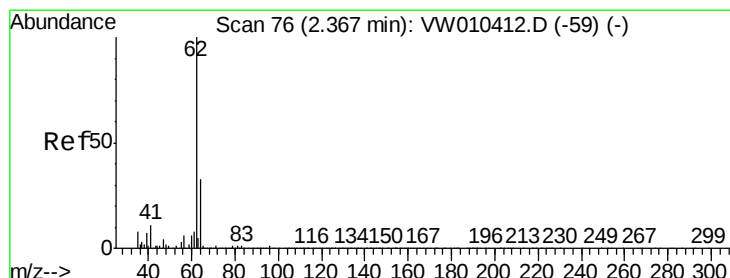
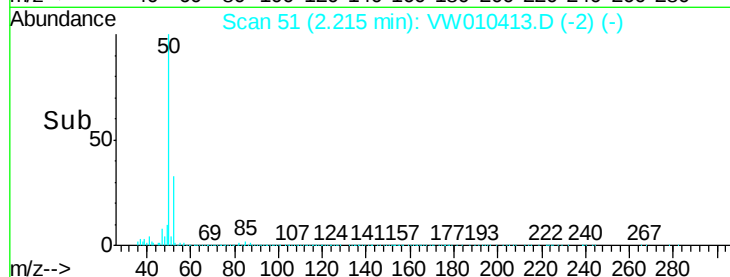
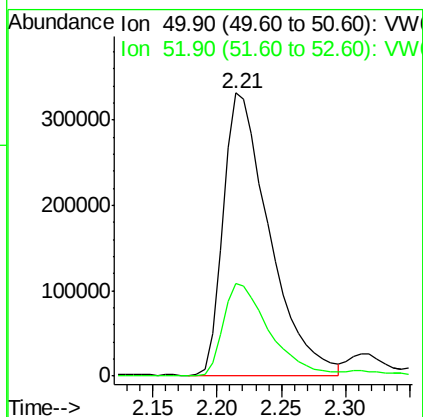
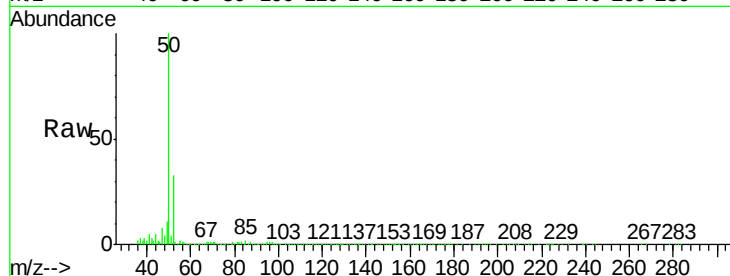
VSTDIC100

Tot Ion: 50 Resp: 829152

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



#4

Vinyl Chloride

Concen: 84.324 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010413.D

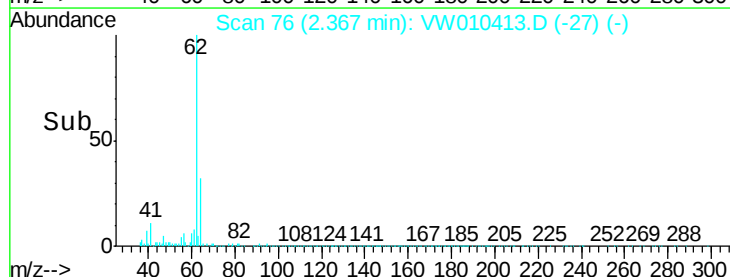
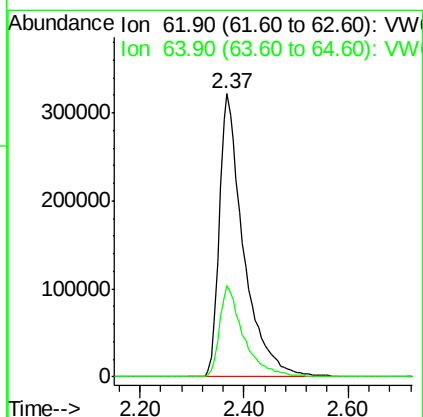
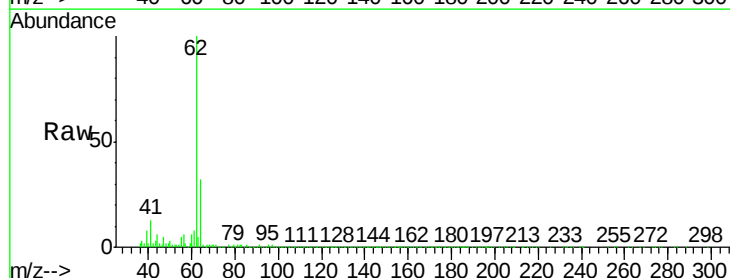
Acq: 16 May 2019 20:29

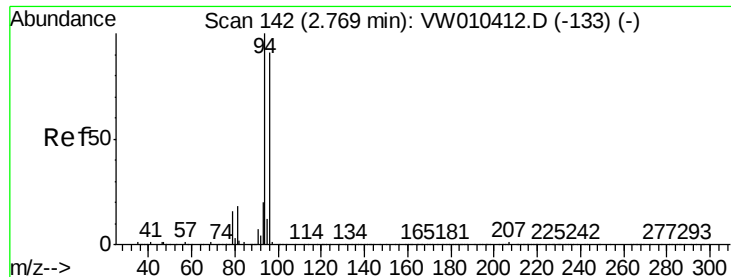
Tgt Ion: 62 Resp: 1044564

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.2





#5

Bromomethane

Concen: 95.921 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

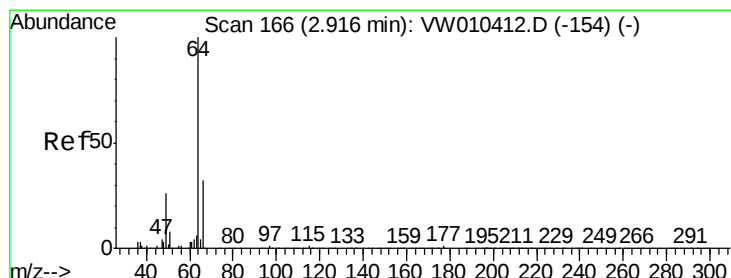
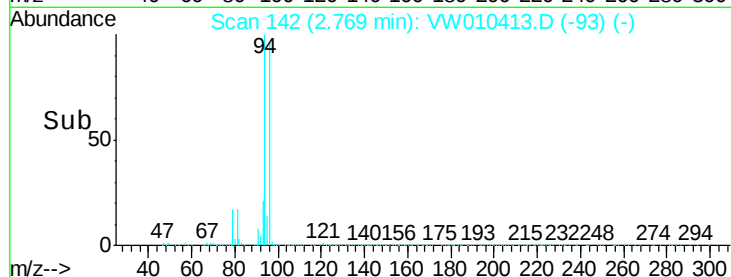
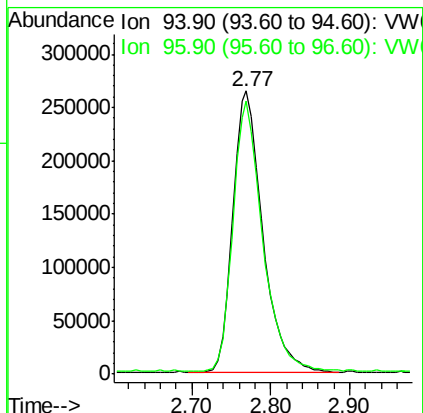
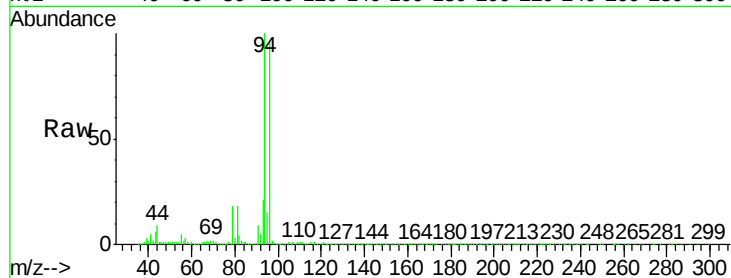
VSTDIC100

Tot Ion: 94 Resp: 700033

Ion Ratio Lower Upper

94 100

96 95.7 73.4 110.2



#6

Chloroethane

Concen: 89.453 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW010413.D

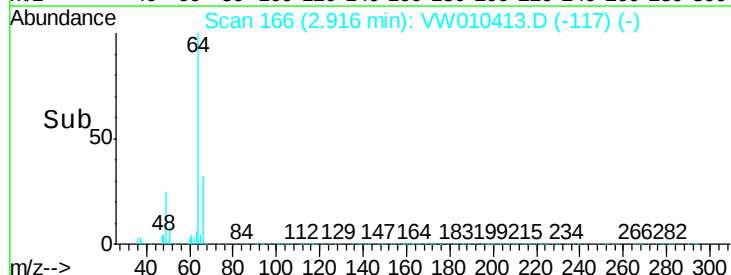
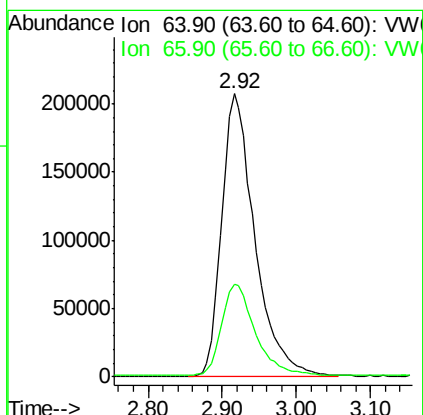
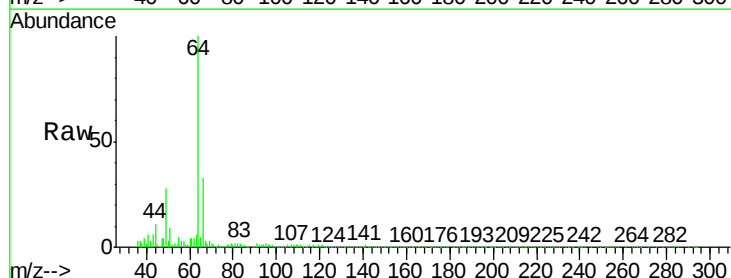
Acq: 16 May 2019 20:29

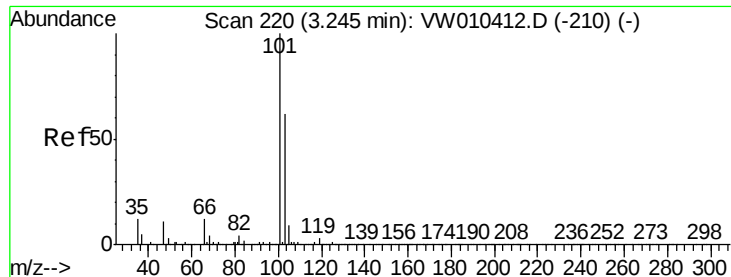
Tgt Ion: 64 Resp: 641574

Ion Ratio Lower Upper

64 100

66 32.2 25.4 38.0



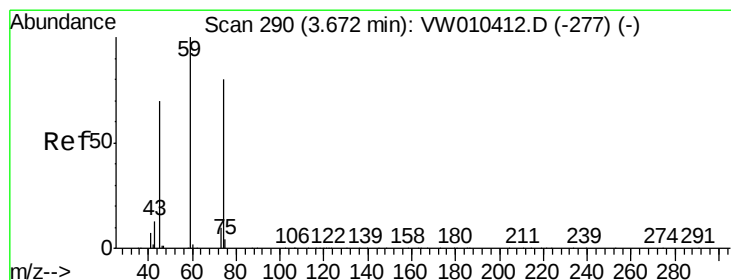
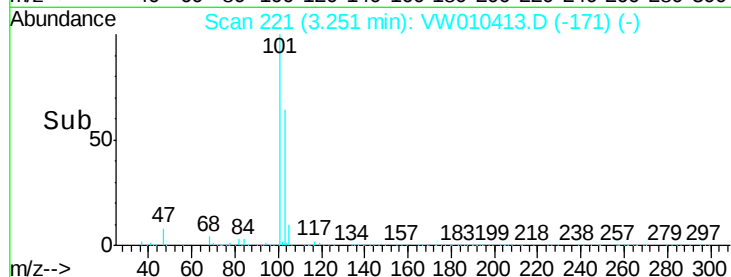
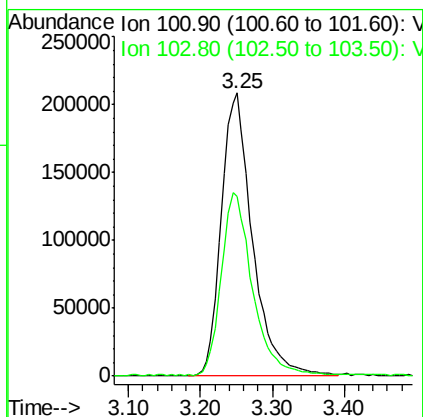
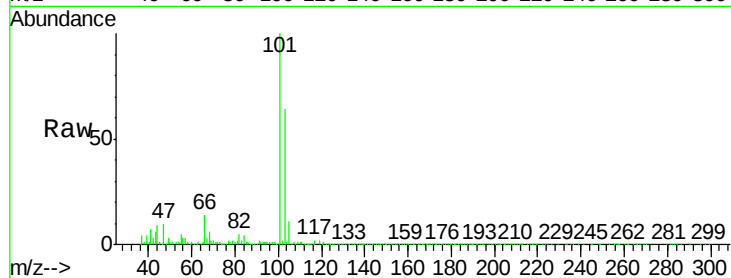


#7

Trichlorofluoromethane
Concen: 99.443 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.01 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

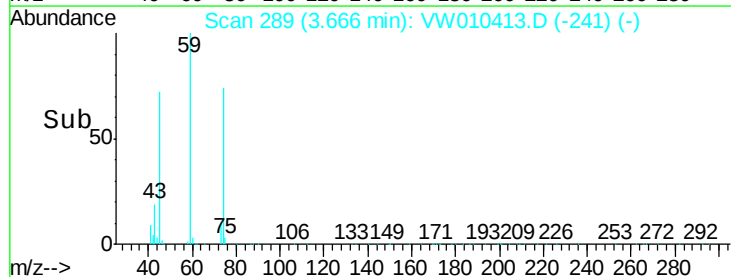
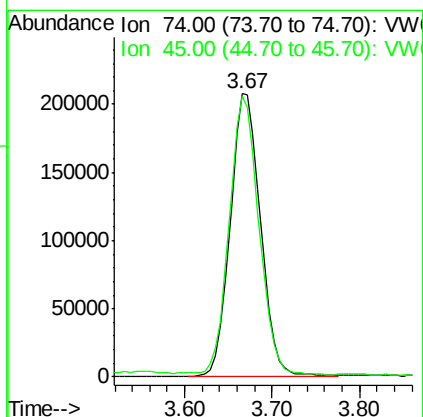
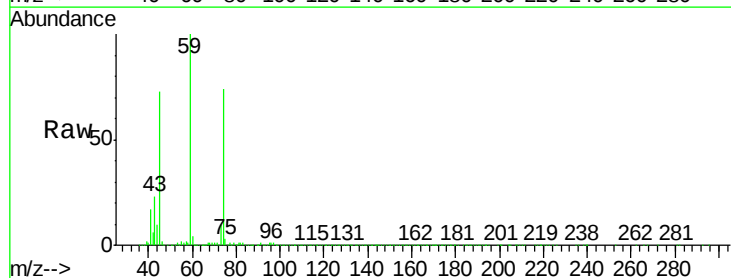
Tot Ion:101 Resp: 627494
Ion Ratio Lower Upper
101 100
103 63.3 49.9 74.9

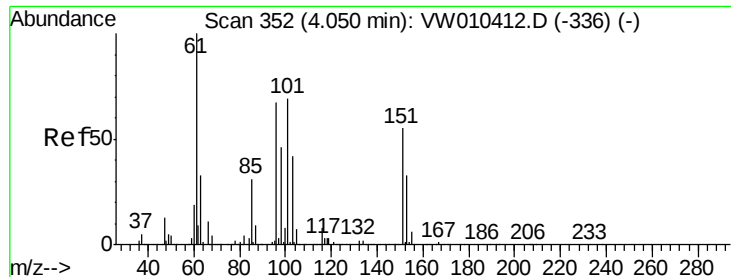


#8

Diethyl Ether
Concen: 89.715 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion: 74 Resp: 496685
Ion Ratio Lower Upper
74 100
45 97.5 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 86.170 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

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VSTDIC100

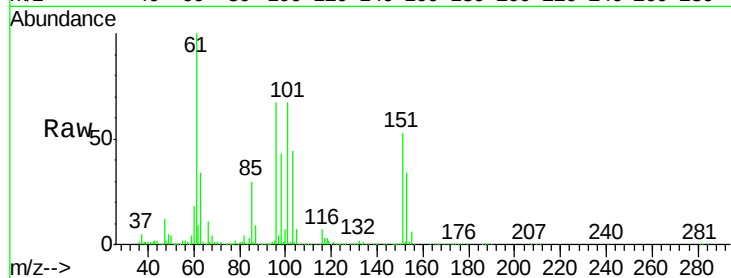
Tot Ion:101 Resp: 882689

Ion Ratio Lower Upper

101 100

85 42.6 35.0 52.4

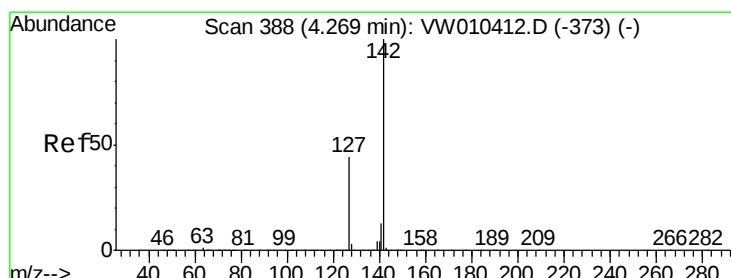
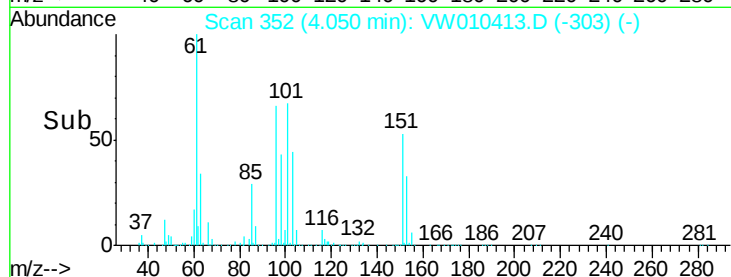
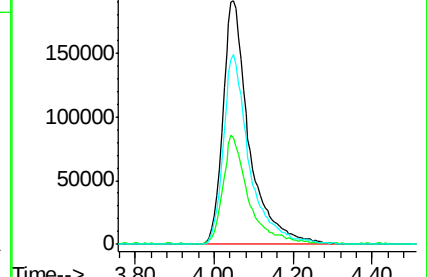
151 77.4 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 98.058 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

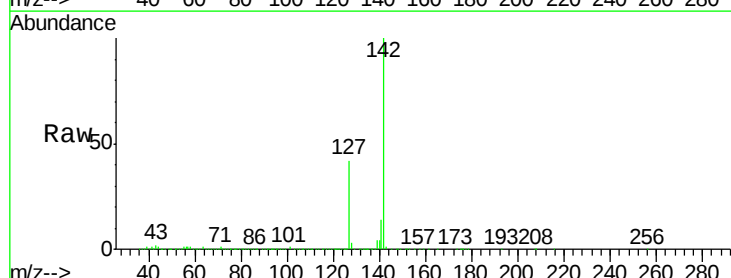
Tgt Ion:142 Resp: 1451645

Ion Ratio Lower Upper

142 100

127 42.1 34.5 51.7

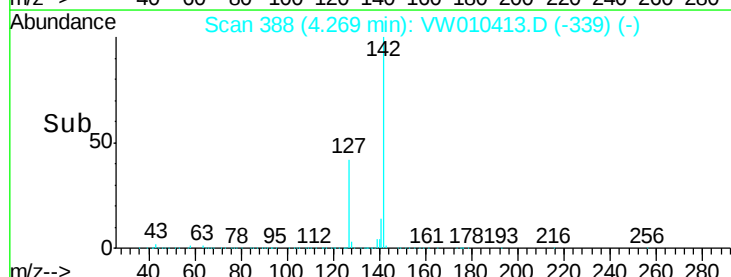
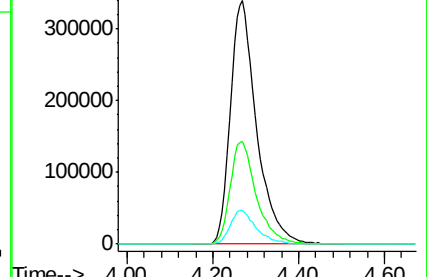
141 13.8 11.4 17.0

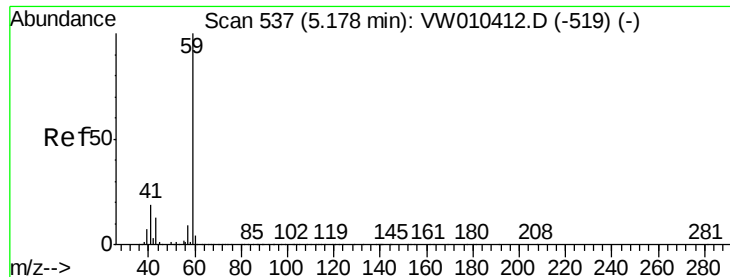


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



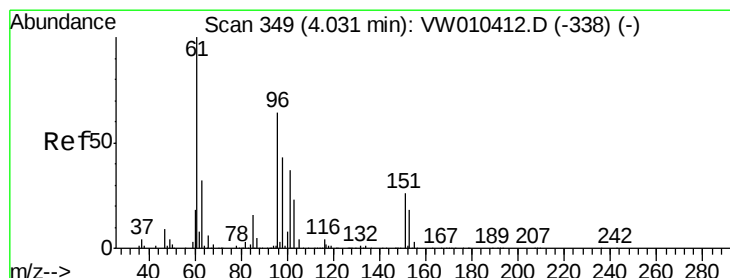
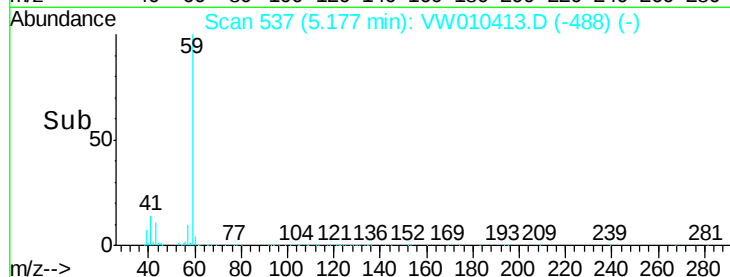
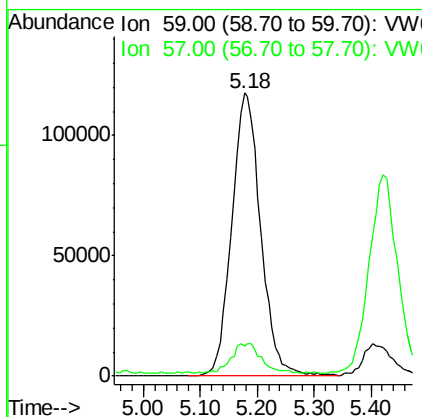
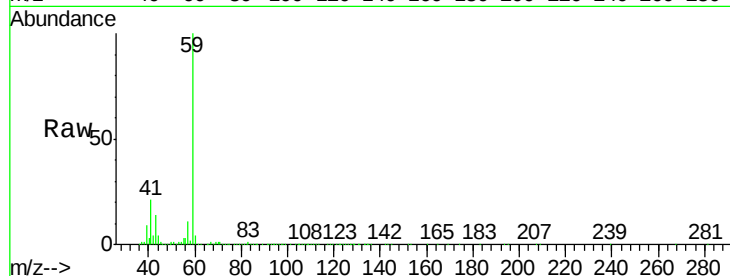


#11

Tert butyl alcohol
Concen: 537.383 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

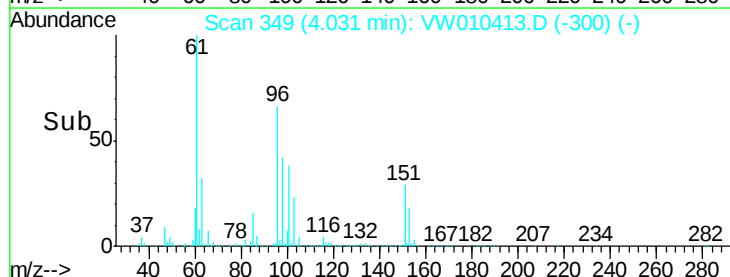
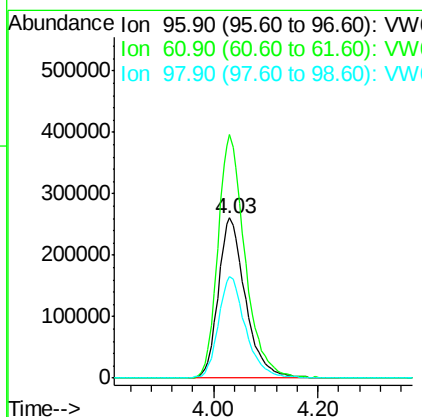
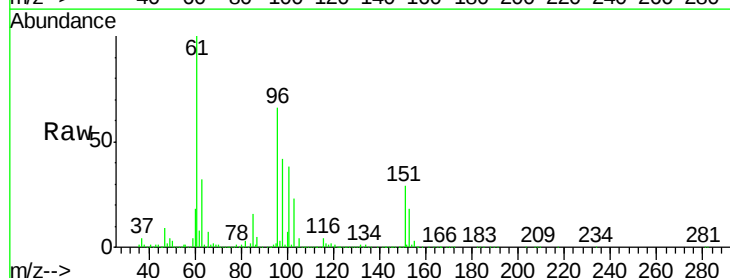
Tot Ion: 59 Resp: 415052
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1

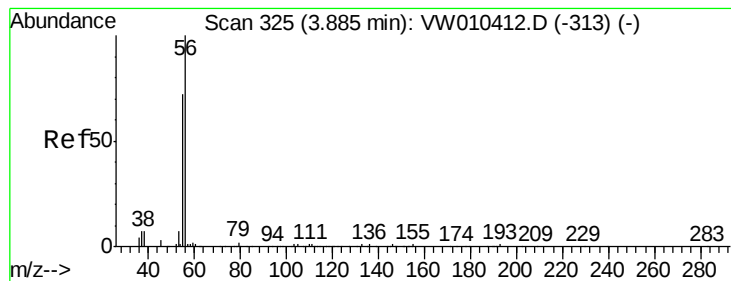


#12

1,1-Dichloroethene
Concen: 88.369 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion: 96 Resp: 945928
Ion Ratio Lower Upper
96 100
61 152.4 124.1 186.1
98 63.8 53.4 80.0





#13

Acrolein

Concen: 271.257 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

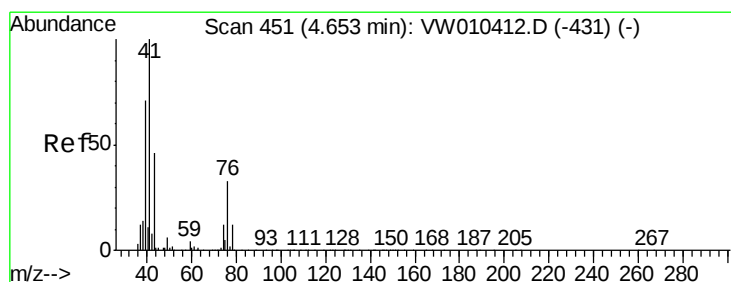
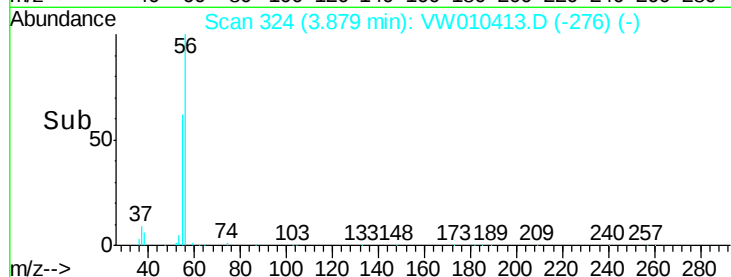
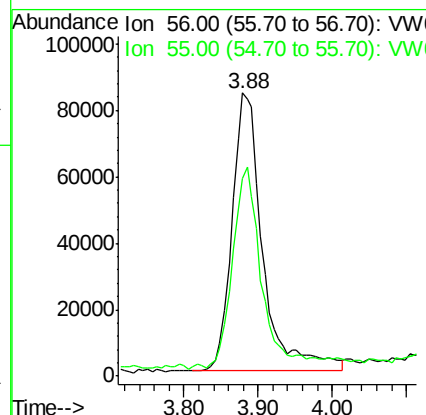
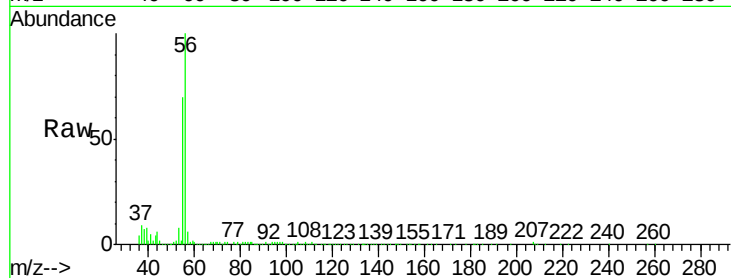
VSTDIC100

Tot Ion: 56 Resp: 242999

Ion Ratio Lower Upper

56 100

55 66.8 56.1 84.1



#14

Allyl chloride

Concen: 75.796 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

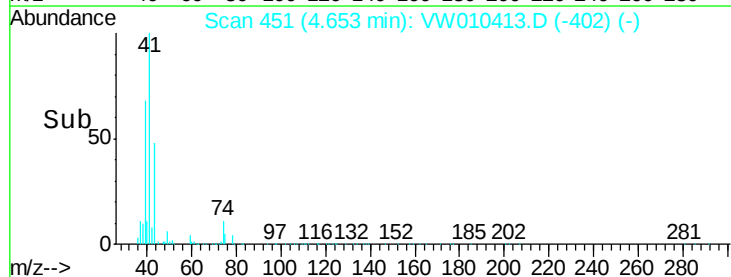
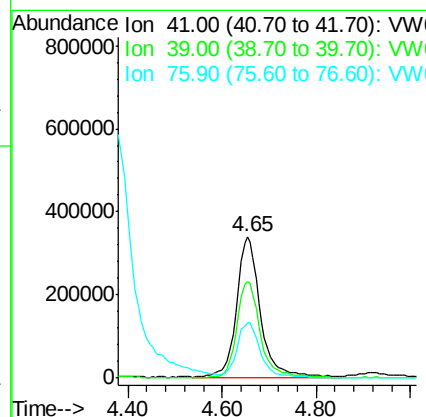
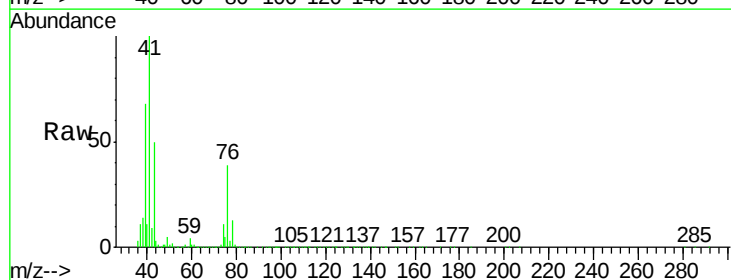
Tgt Ion: 41 Resp: 1180163

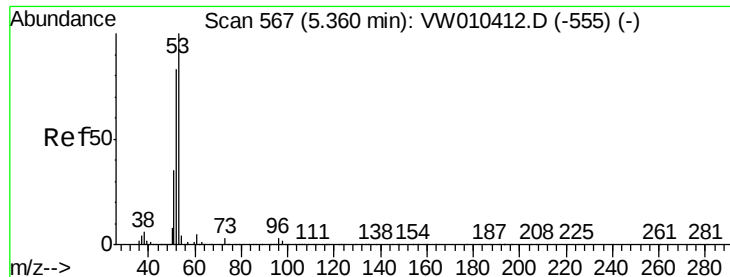
Ion Ratio Lower Upper

41 100

39 67.9 54.3 81.5

76 39.6 30.7 46.1





#15

Acrylonitrile

Concen: 385.815 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

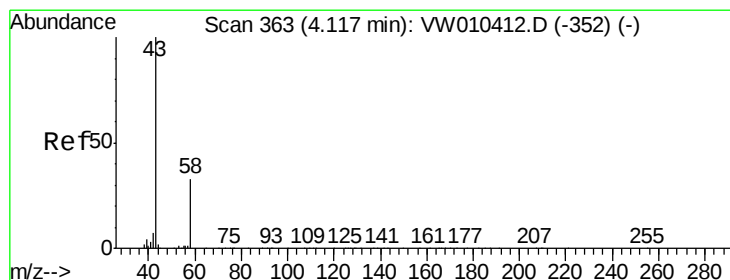
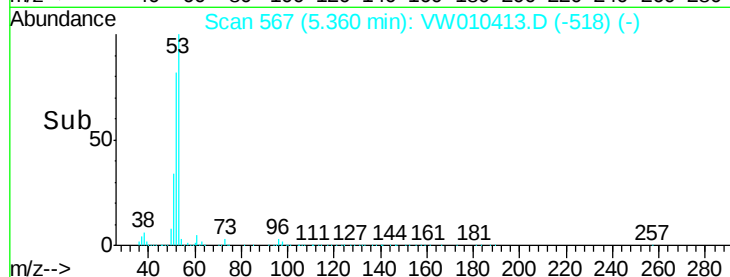
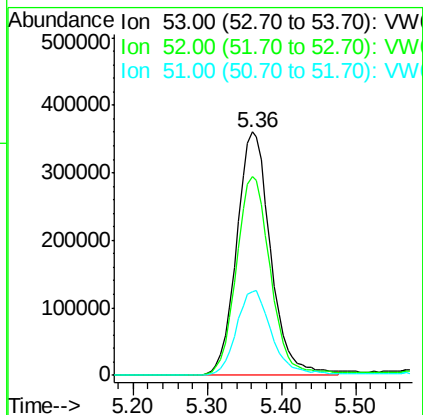
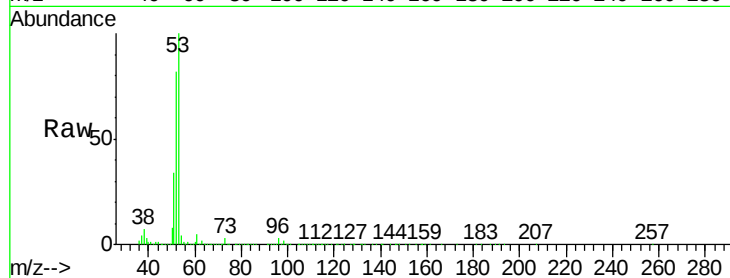
MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1150904

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.0	28.9	43.3



#16

Acetone

Concen: 372.455 ug/l

RT: 4.12 min Scan# 363

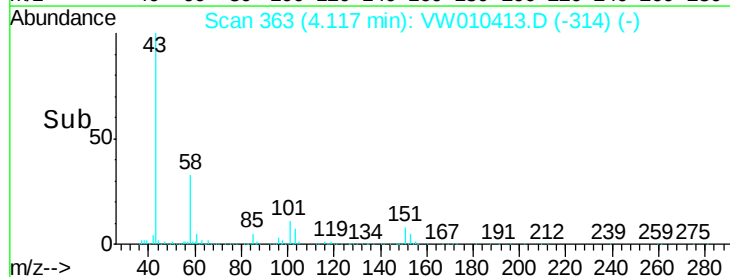
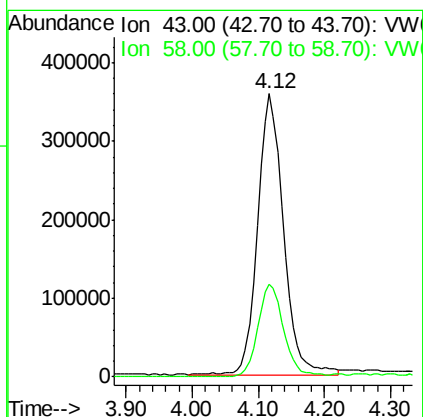
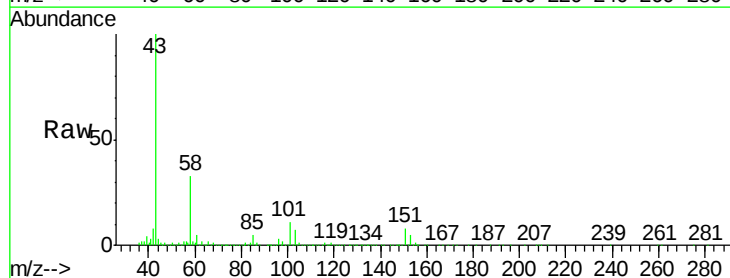
Delta R.T. -0.00 min

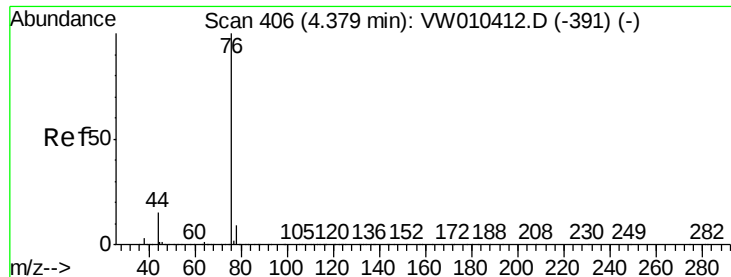
Lab File: VW010413.D

Acq: 16 May 2019 20:29

Tgt Ion: 43 Resp: 970340

Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.5	39.7





#17

Carbon Disulfide

Concen: 78.804 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

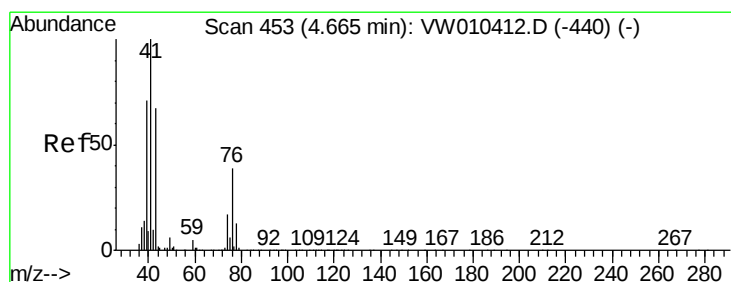
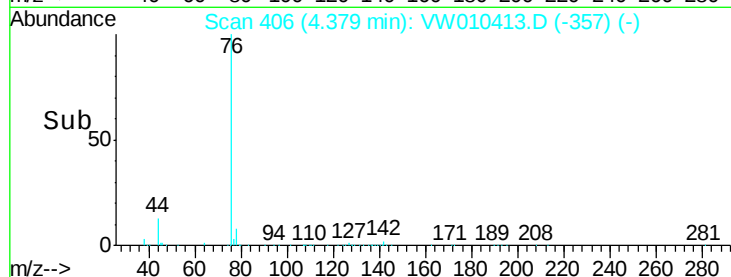
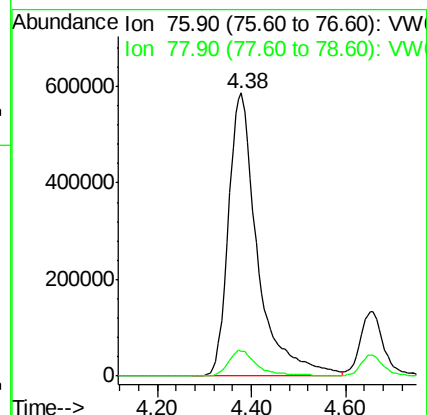
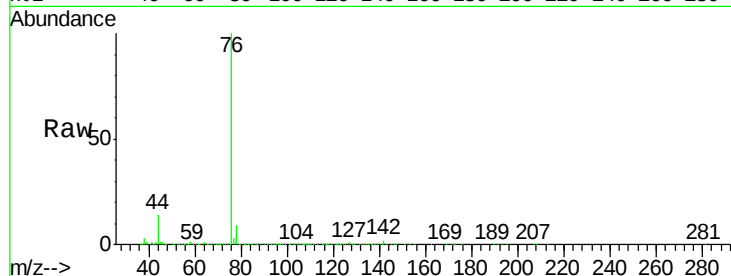
VSTDIC100

Tot Ion: 76 Resp: 2506787

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



#18

Methyl Acetate

Concen: 84.711 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010413.D

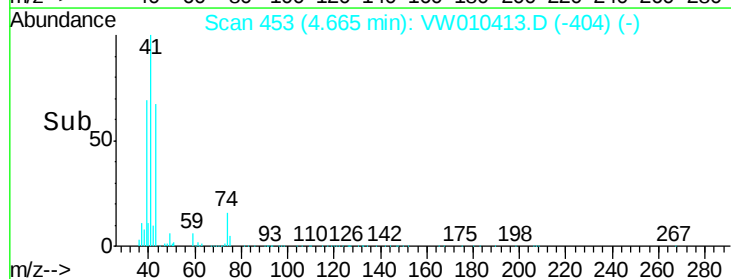
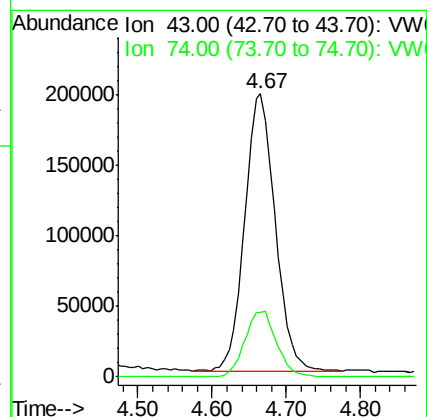
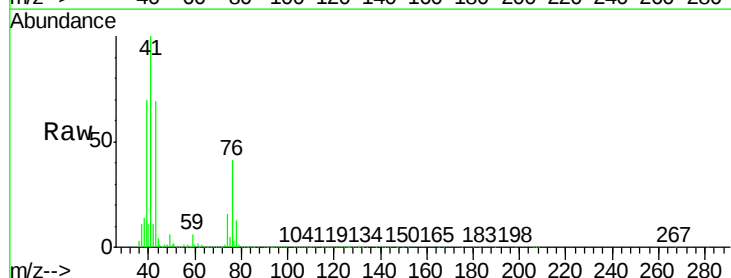
Acq: 16 May 2019 20:29

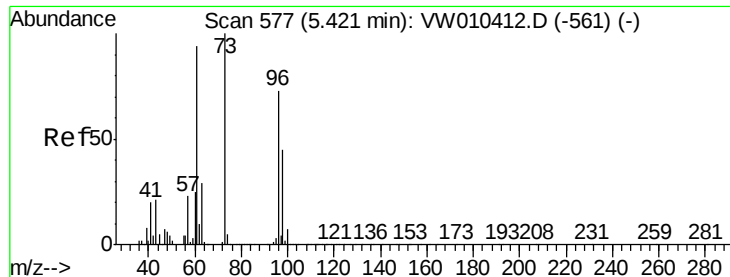
Tgt Ion: 43 Resp: 566178

Ion Ratio Lower Upper

43 100

74 24.2 20.7 31.1



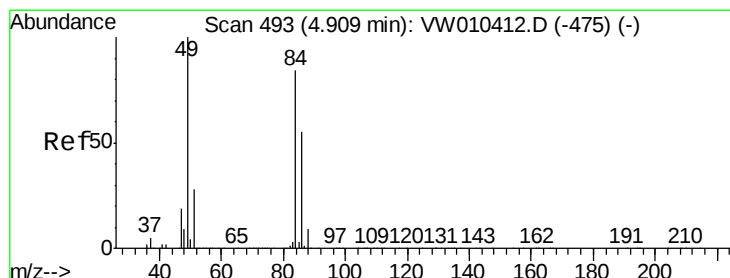
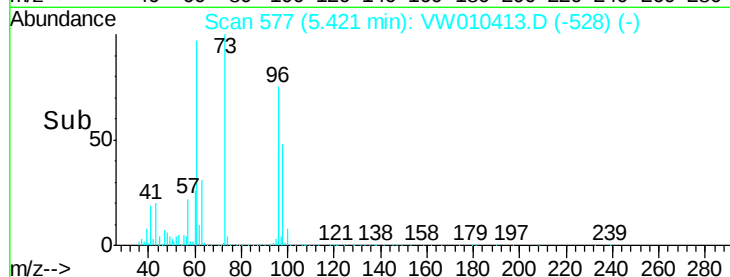
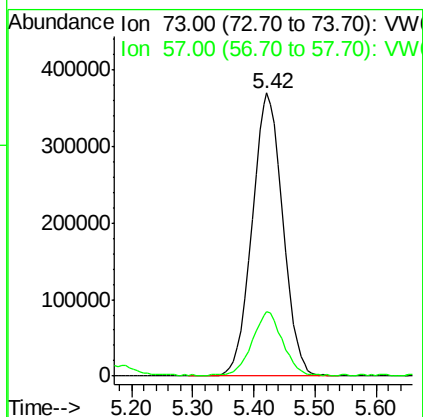
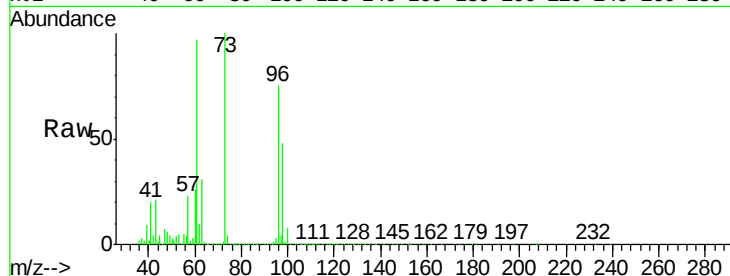


#19

Methyl tert-butyl Ether
 Concen: 98.516 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW010413.D
 Acq: 16 May 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

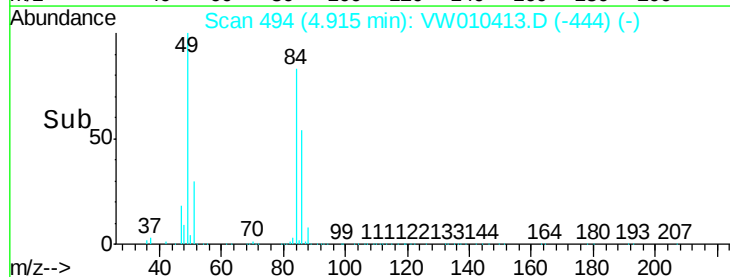
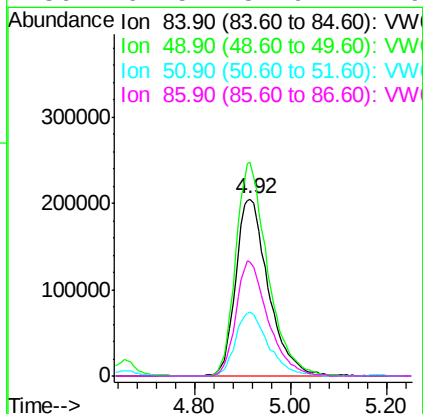
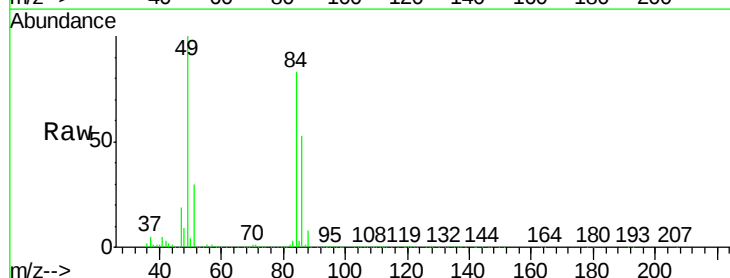
Tot Ion: 73 Resp: 1287208
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.2 27.4

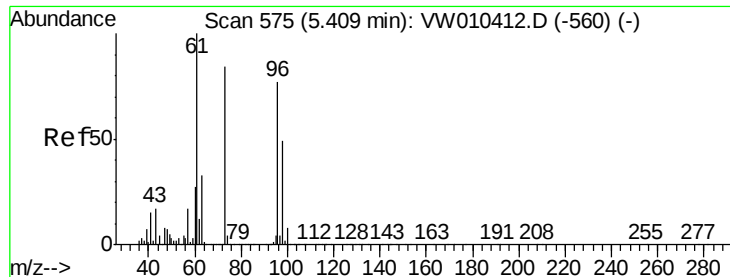


#20

Methylene Chloride
 Concen: 84.064 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW010413.D
 Acq: 16 May 2019 20:29

Tgt Ion: 84 Resp: 961405
 Ion Ratio Lower Upper
 84 100
 49 120.8 95.0 142.4
 51 36.3 27.0 40.4
 86 64.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 89.941 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

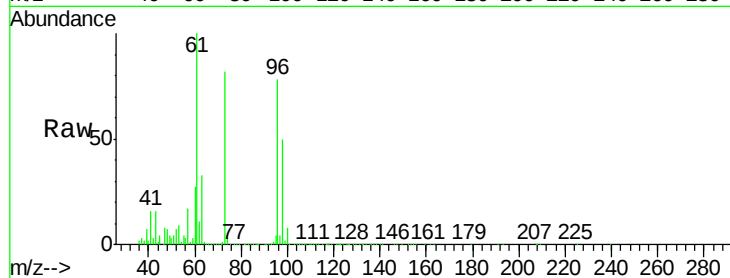
Tot Ion: 96 Resp: 1041460

Ion Ratio Lower Upper

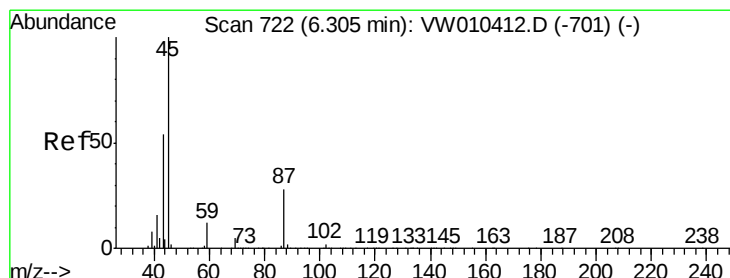
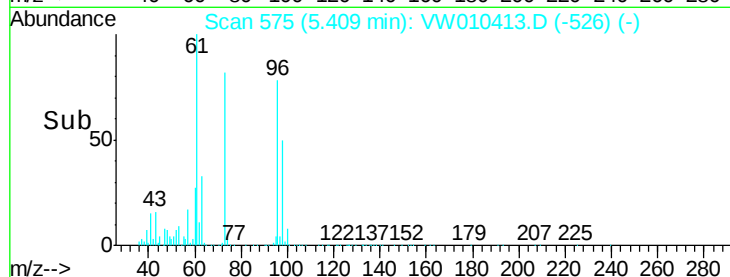
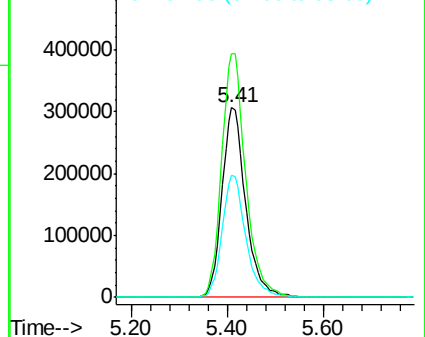
96 100

61 128.7 103.6 155.4

98 64.3 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 94.499 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Tgt Ion: 45 Resp: 2944692

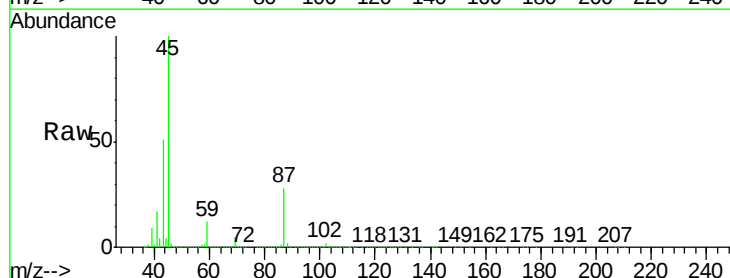
Ion Ratio Lower Upper

45 100

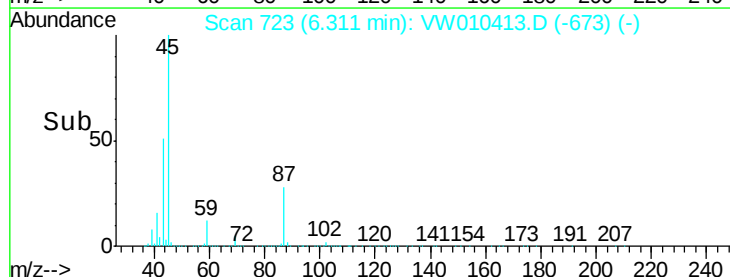
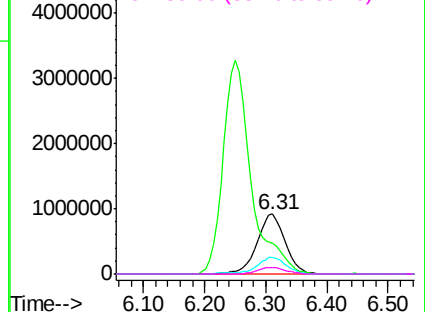
43 50.9 43.1 64.7

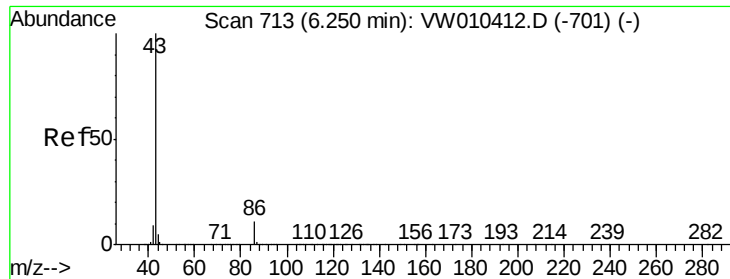
87 28.1 22.7 34.1

59 11.6 9.4 14.2



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





#23

Vinyl Acetate

Concen: 485.537 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

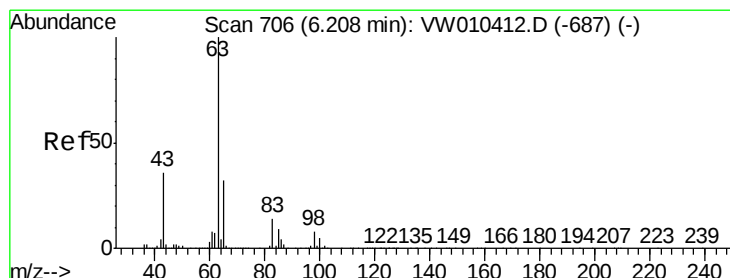
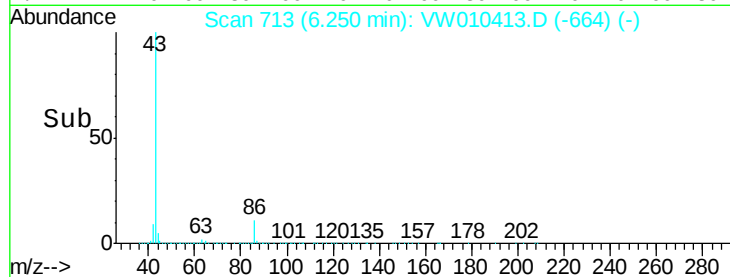
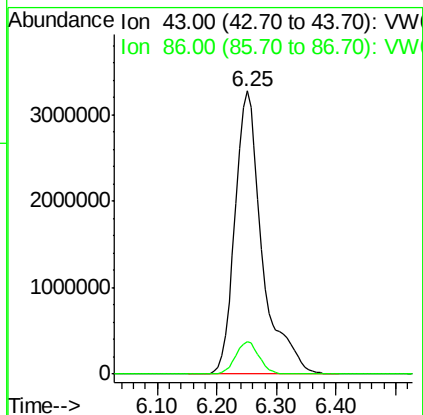
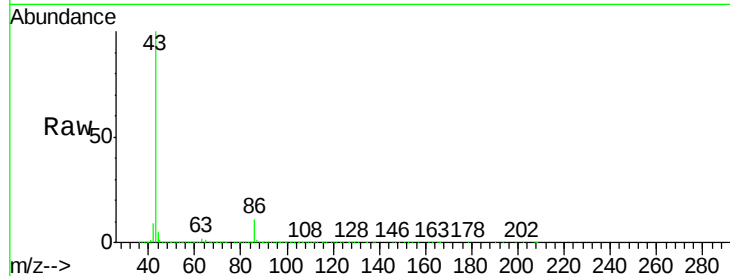
VSTDIC100

Tot Ion: 43 Resp:10396372

Ion Ratio Lower Upper

43 100

86 11.5 9.1 13.7



#24

1,1-Dichloroethane

Concen: 86.497 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

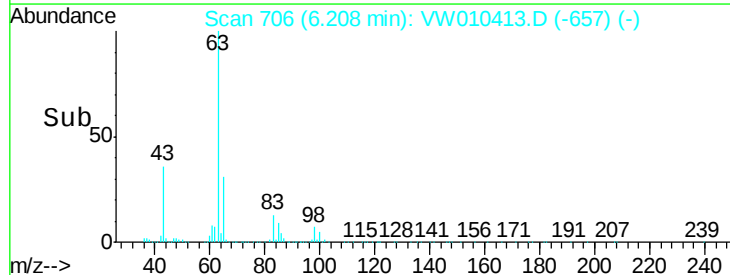
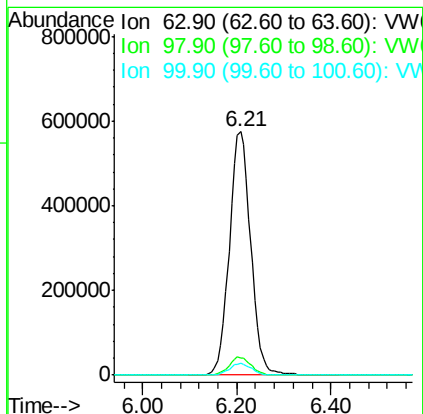
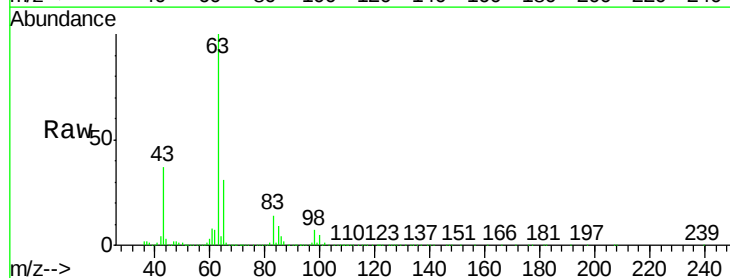
Tgt Ion: 63 Resp: 1802135

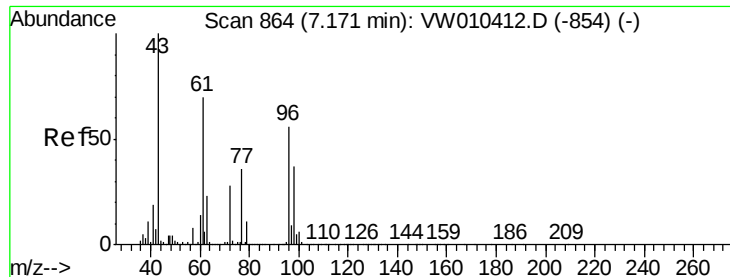
Ion Ratio Lower Upper

63 100

98 6.8 4.1 12.3

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 438.021 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

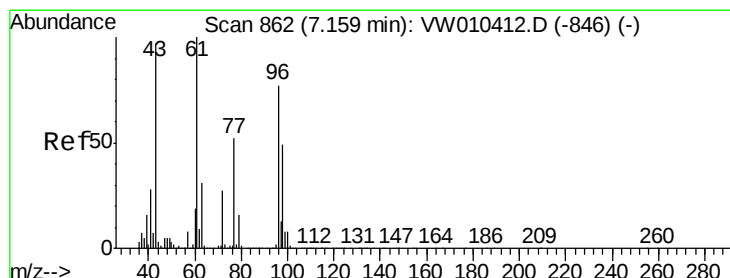
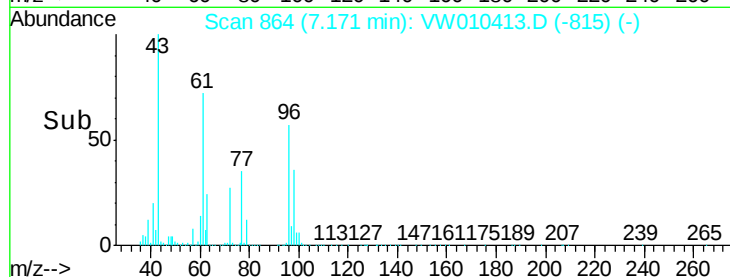
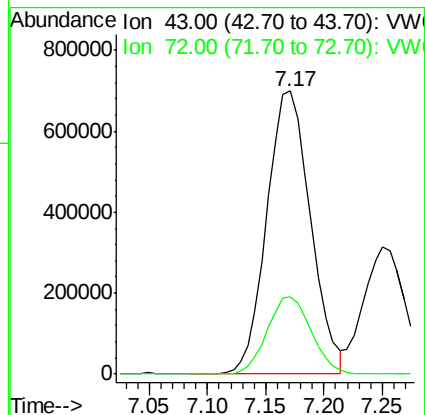
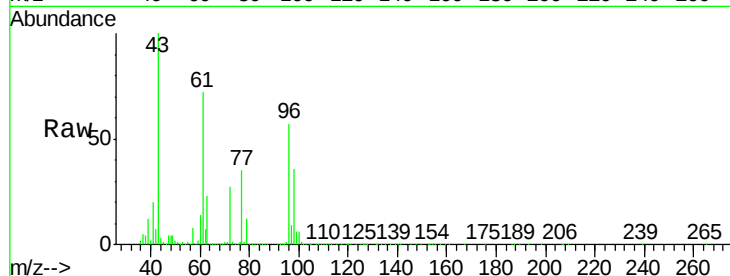
VSTDIC100

Tot Ion: 43 Resp: 1805809

Ion Ratio Lower Upper

43 100

72 27.2 22.1 33.1



#26

2,2-Dichloropropane

Concen: 83.683 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010413.D

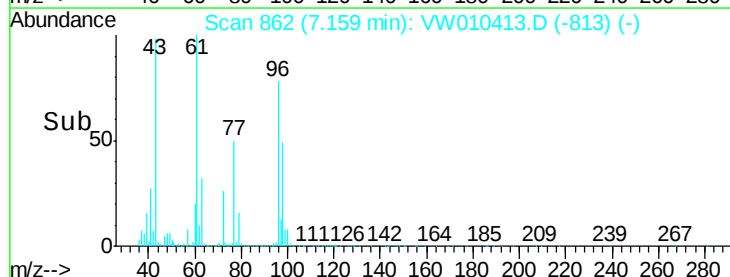
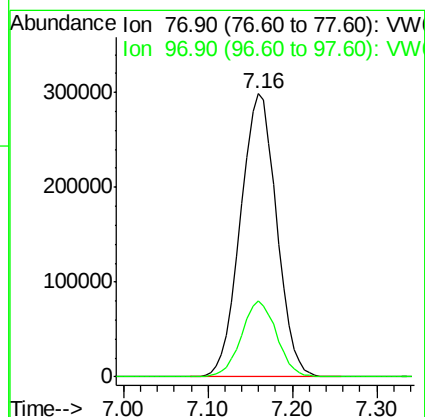
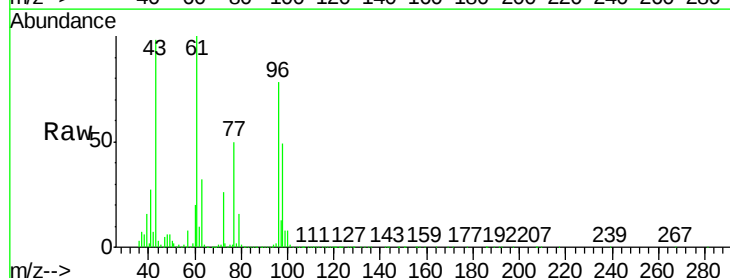
Acq: 16 May 2019 20:29

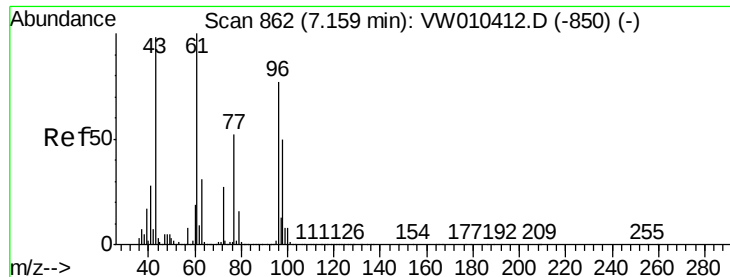
Tgt Ion: 77 Resp: 867038

Ion Ratio Lower Upper

77 100

97 25.9 12.7 38.0



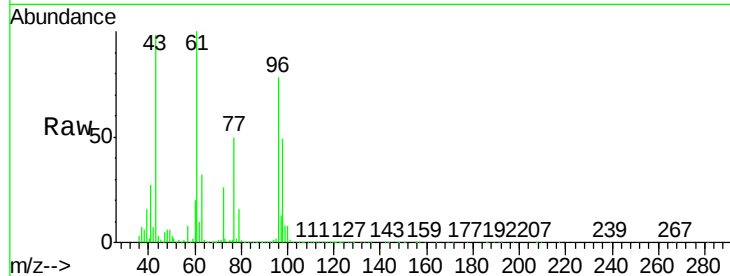


#27

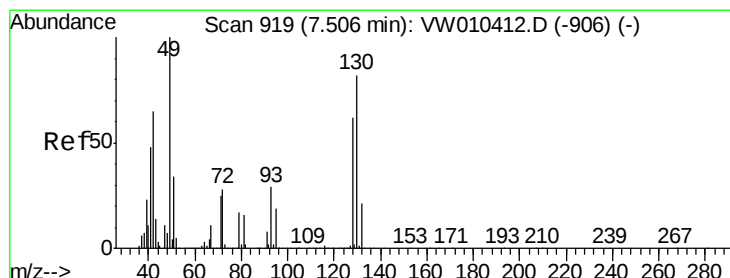
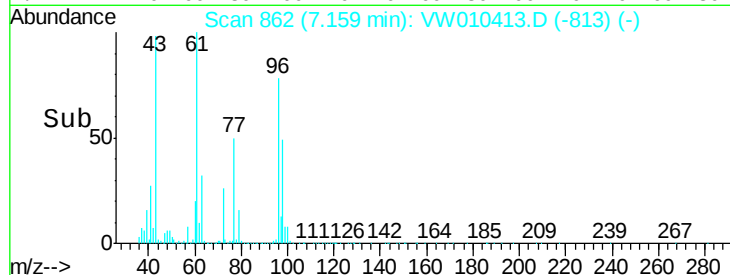
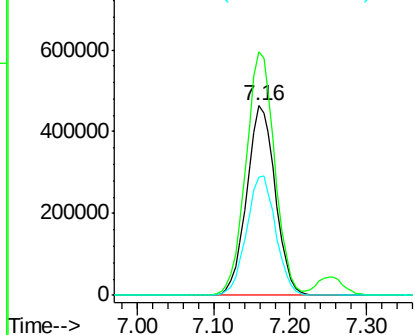
cis-1,2-Dichloroethene
Concen: 99.510 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 1206515
Ion Ratio Lower Upper
96 100
61 129.6 0.0 257.8
98 64.4 0.0 128.4



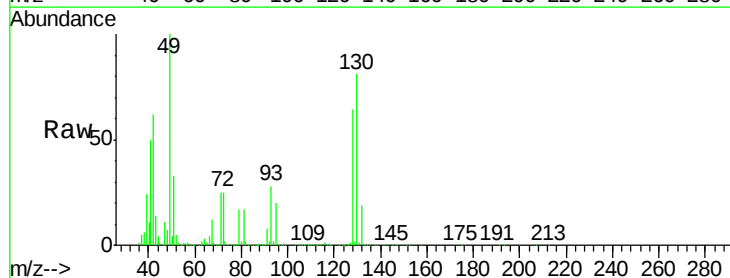
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



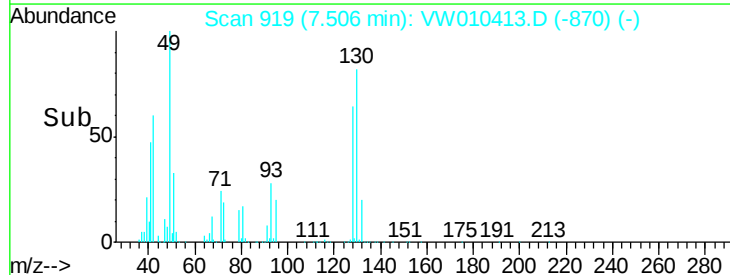
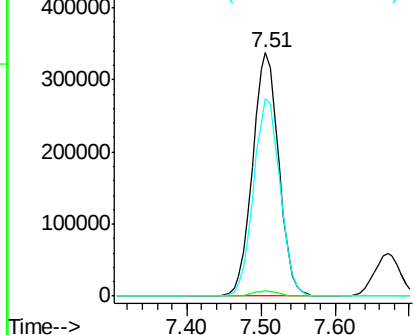
#28

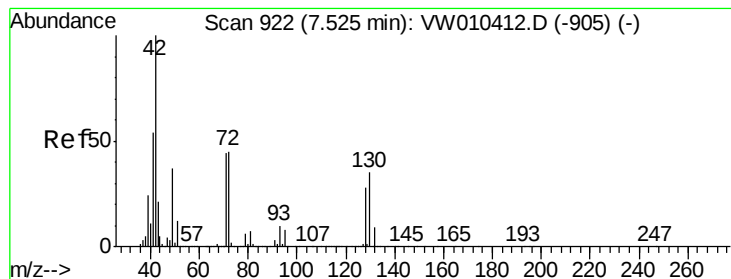
Bromochloromethane
Concen: 104.949 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion: 49 Resp: 835618
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.8
130 82.1 67.0 100.4



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 444.343 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

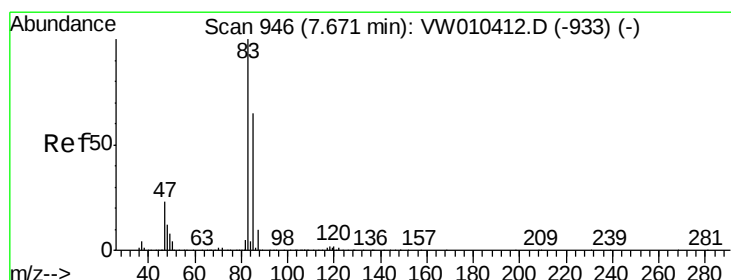
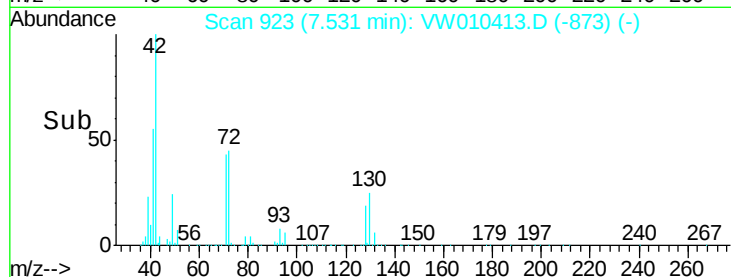
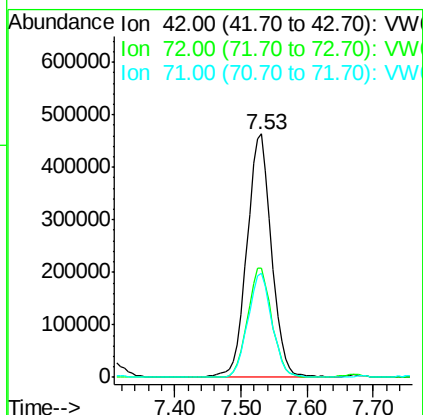
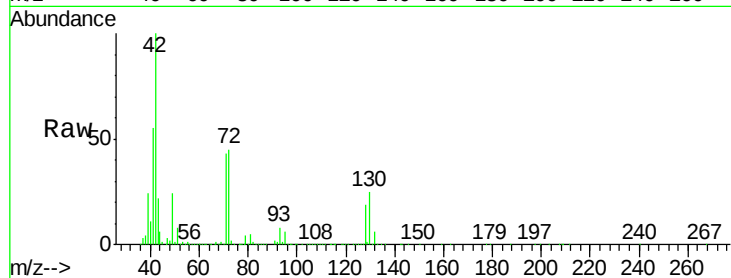
Tot Ion: 42 Resp: 1190607

Ion Ratio Lower Upper

42 100

72 44.6 35.6 53.4

71 41.7 33.7 50.5



#30

Chloroform

Concen: 94.207 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010413.D

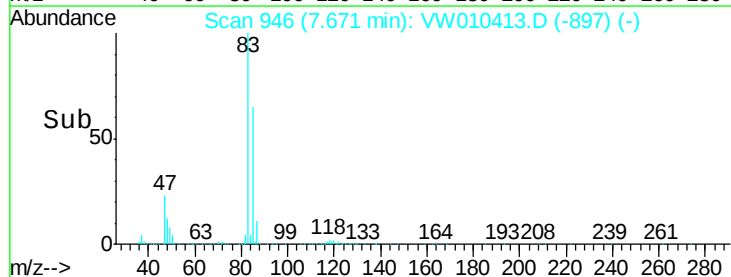
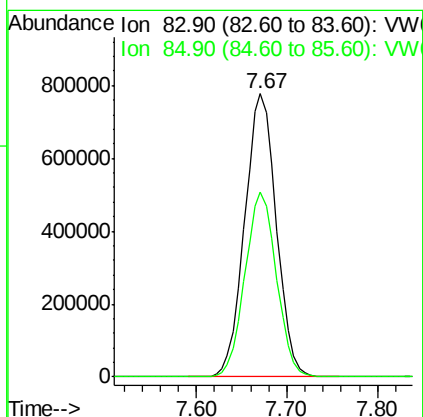
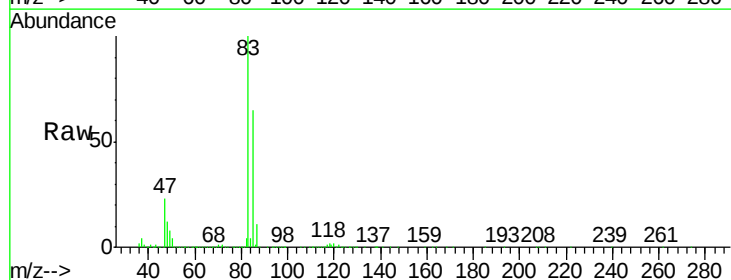
Acq: 16 May 2019 20:29

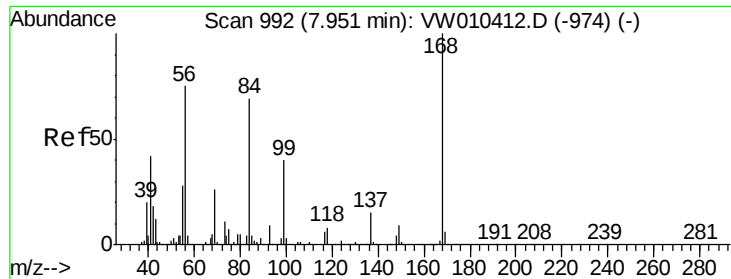
Tgt Ion: 83 Resp: 1867843

Ion Ratio Lower Upper

83 100

85 65.2 52.0 78.0

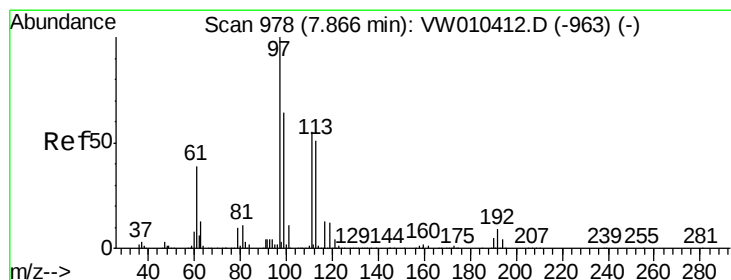
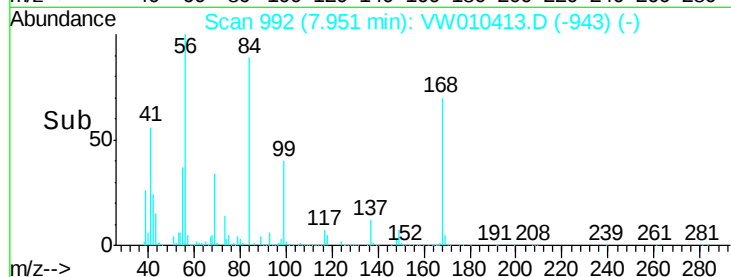
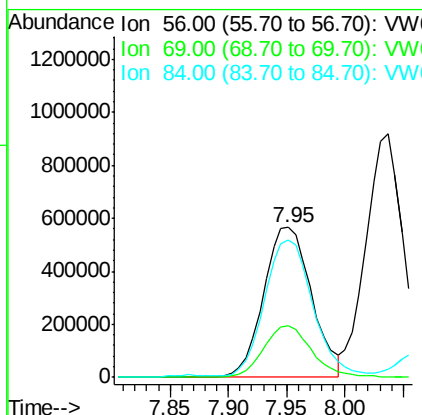
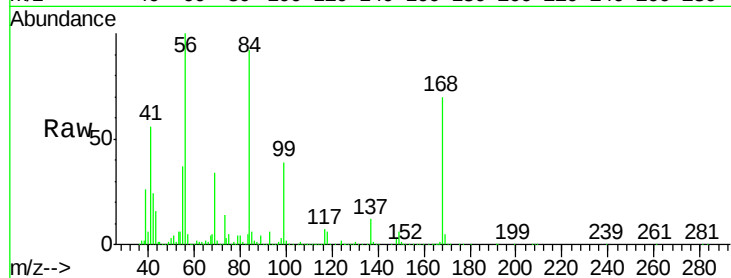




#31
Cyclohexane
Concen: 76.341 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

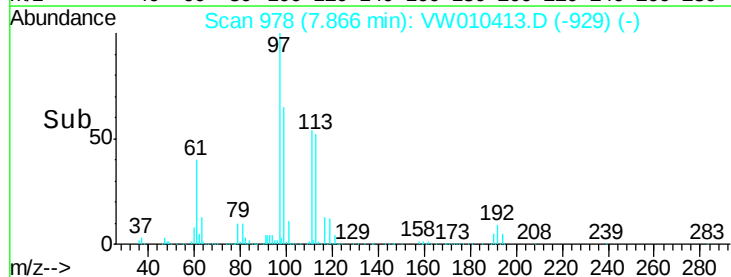
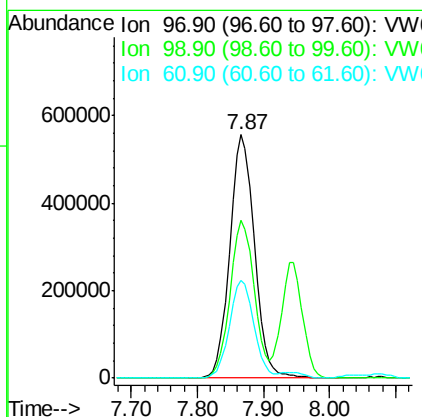
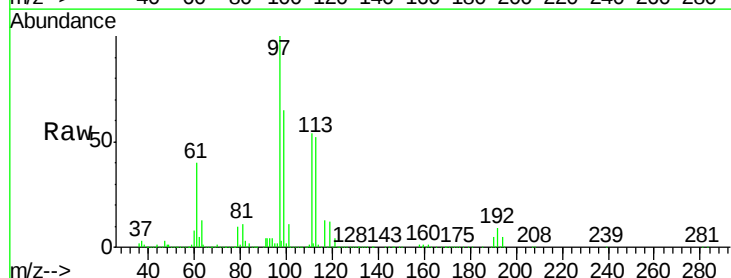
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

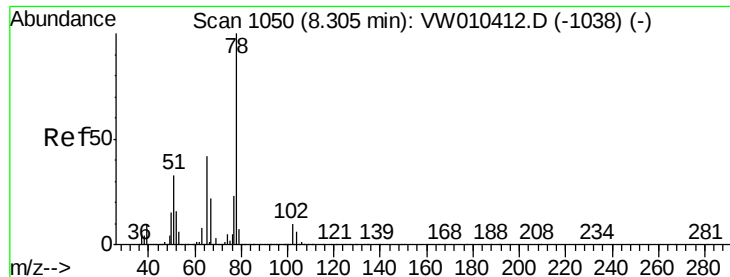
Tot Ion: 56 Resp: 1605577
Ion Ratio Lower Upper
56 100
69 34.2 27.9 41.9
84 90.4 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 93.217 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion: 97 Resp: 1431510
Ion Ratio Lower Upper
97 100
99 64.1 50.6 76.0
61 40.0 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 98.578 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

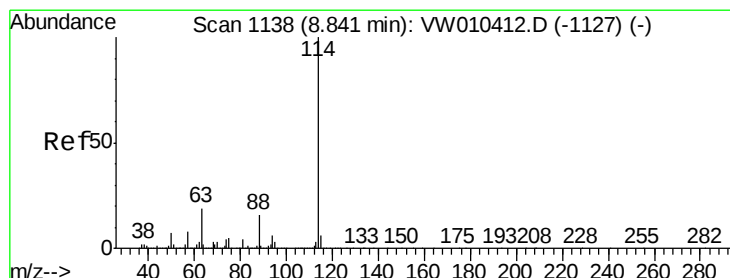
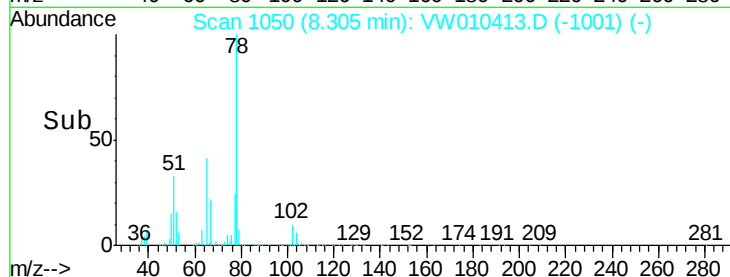
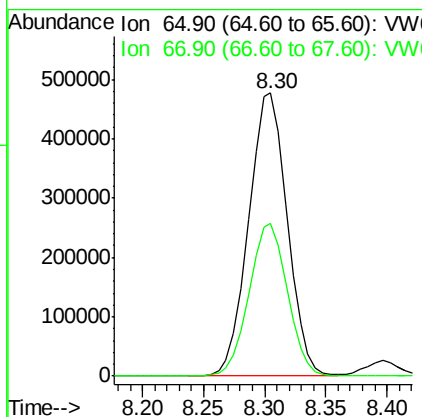
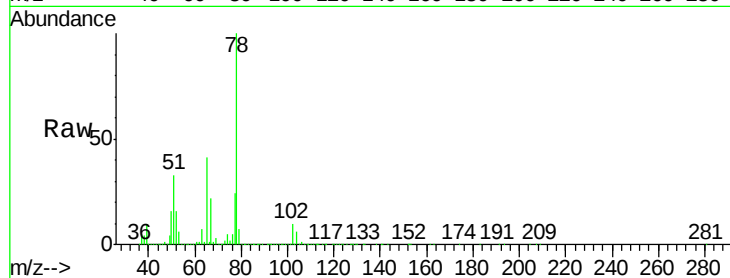
VSTDIC100

Tot Ion: 65 Resp: 1049931

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

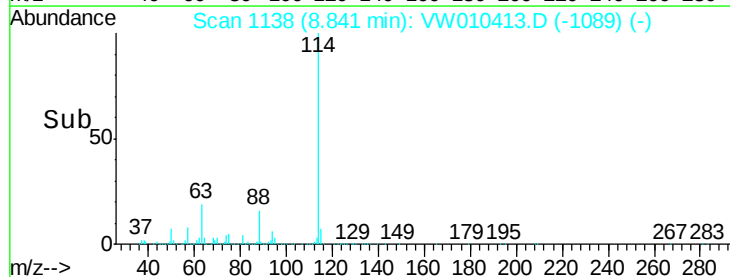
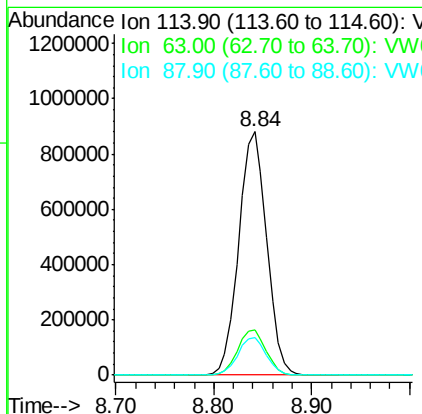
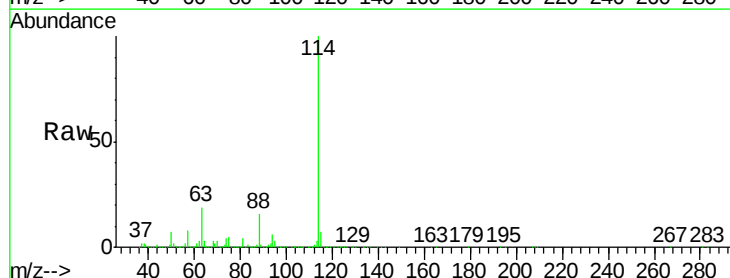
Tgt Ion: 114 Resp: 1741055

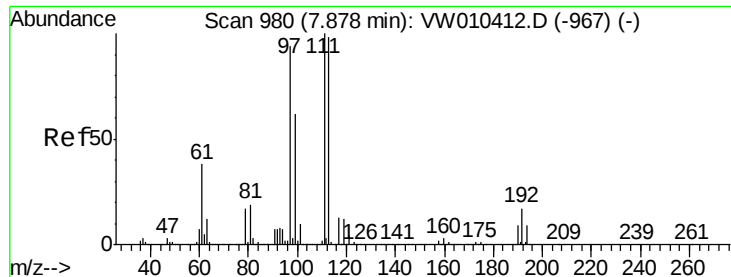
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.6

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 101.305 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

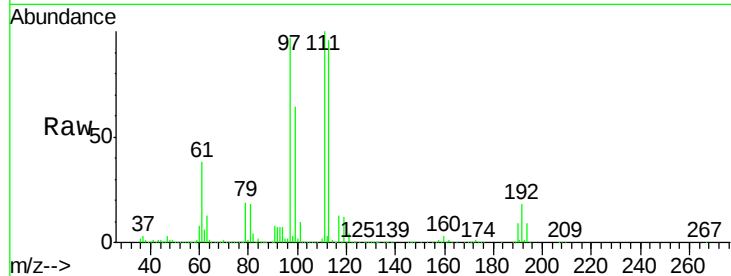
Tot Ion:113 Resp: 1041655

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

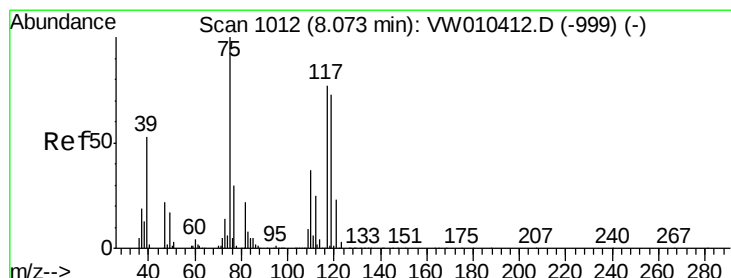
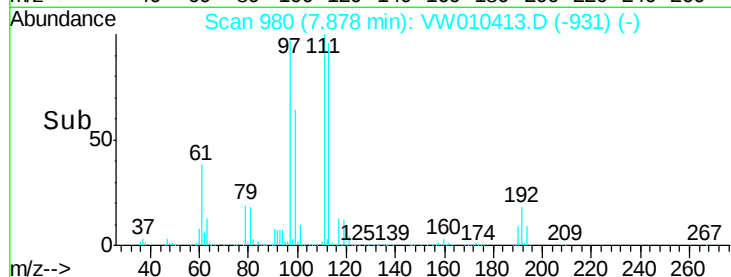
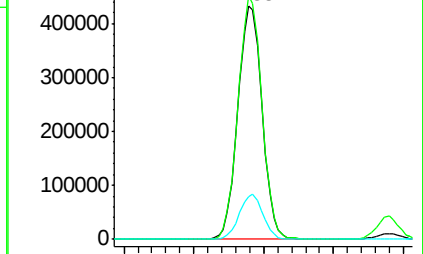
192 18.9 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 78.675 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

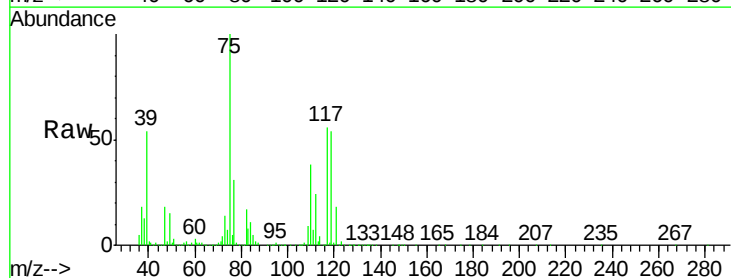
Tgt Ion: 75 Resp: 1435640

Ion Ratio Lower Upper

75 100

110 37.7 18.9 56.7

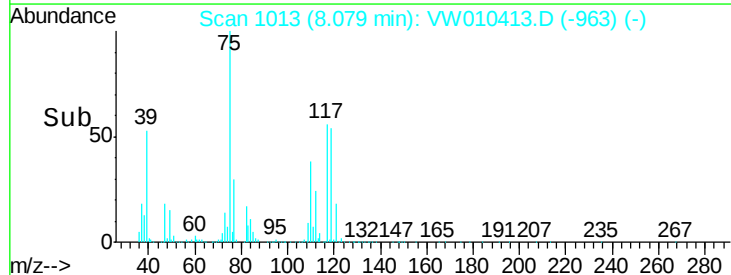
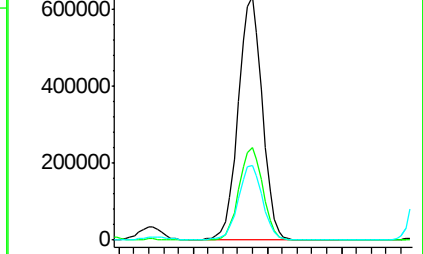
77 30.8 24.6 37.0

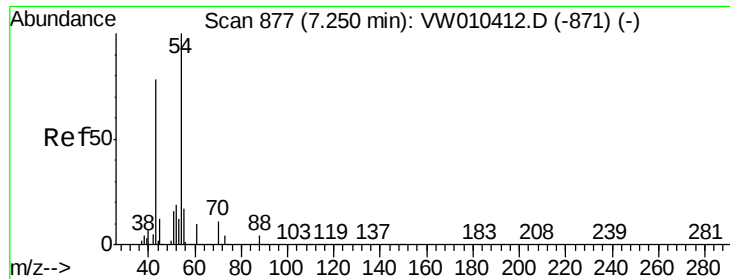


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 81.297 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

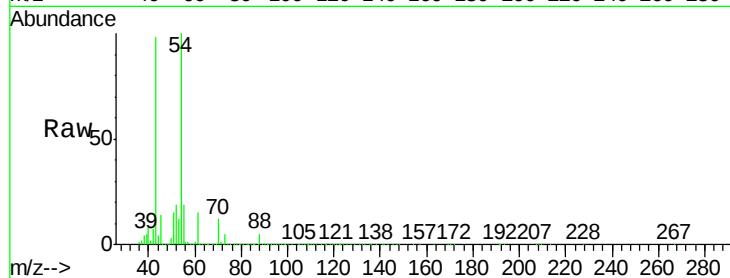
Tot Ion: 43 Resp: 790457

Ion Ratio Lower Upper

43 100

61 14.1 11.0 16.4

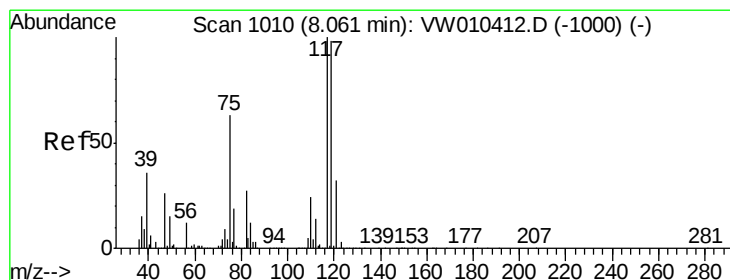
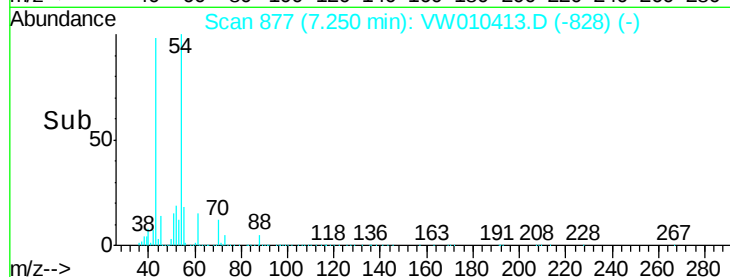
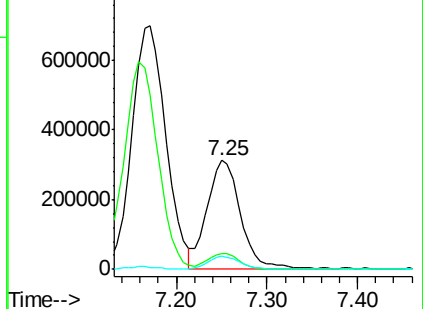
70 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 91.123 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

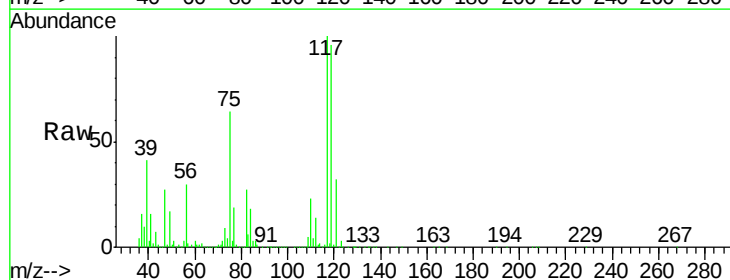
Tgt Ion: 117 Resp: 1466521

Ion Ratio Lower Upper

117 100

119 96.4 78.2 117.4

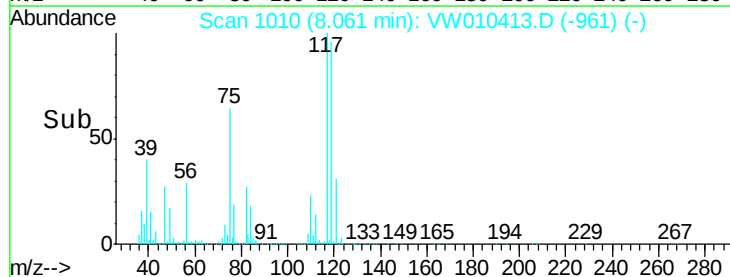
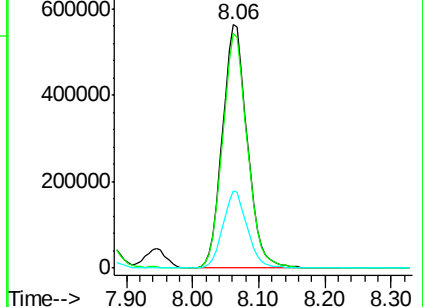
121 31.5 25.3 37.9

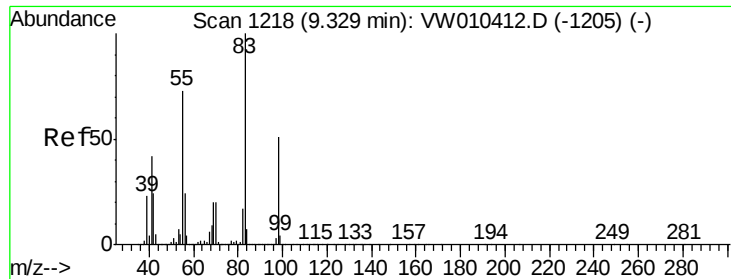


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

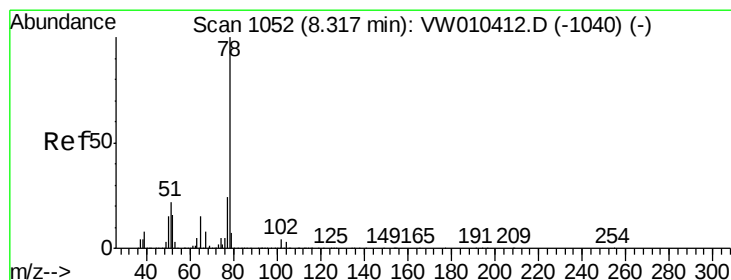
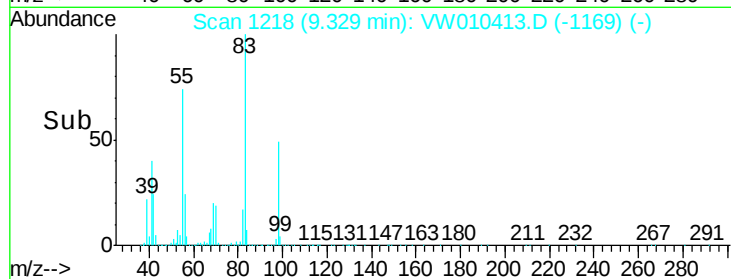
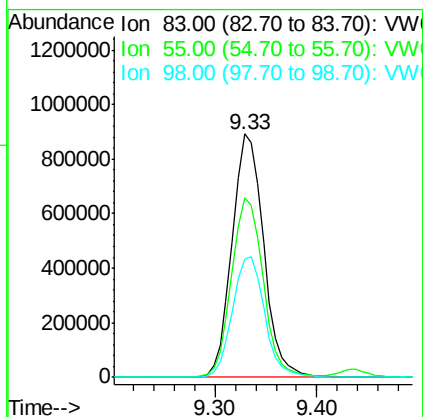
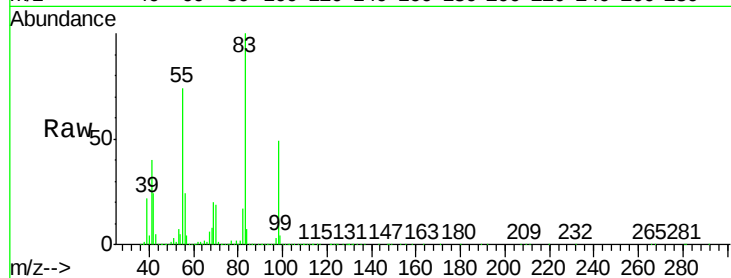




#39
Methvlcvclohexane
Concen: 85.241 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

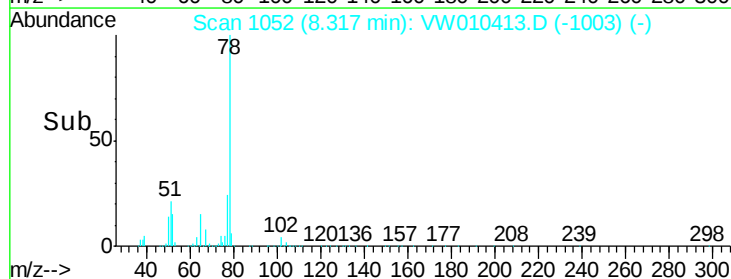
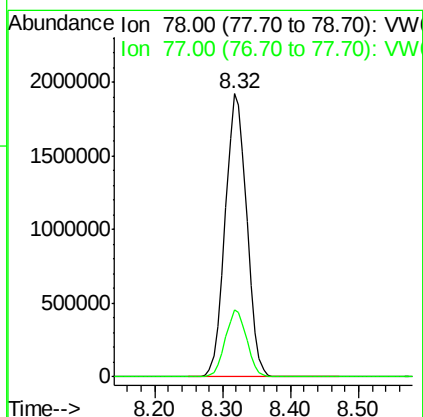
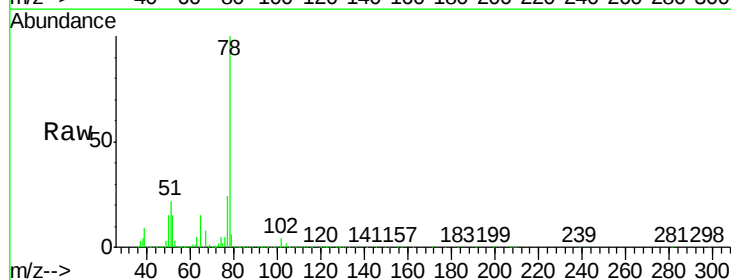
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

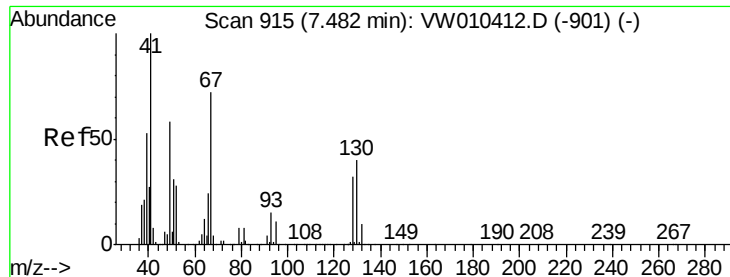
Tot Ion: 83 Resp: 1912277
Ion Ratio Lower Upper
83 100
55 73.7 58.7 88.1
98 48.7 40.7 61.1



#40
Benzene
Concen: 83.216 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion: 78 Resp: 4204321
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

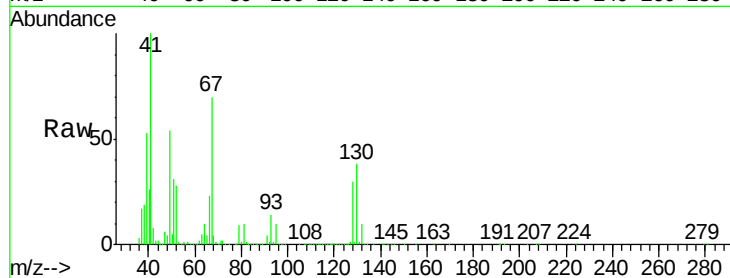




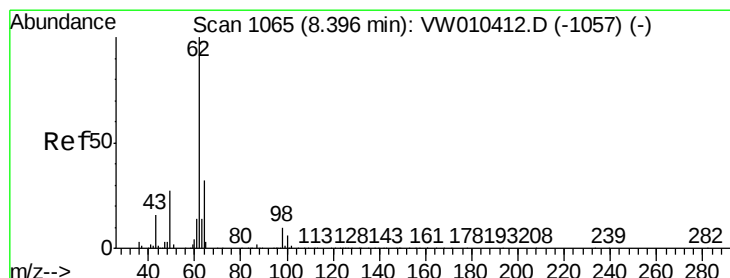
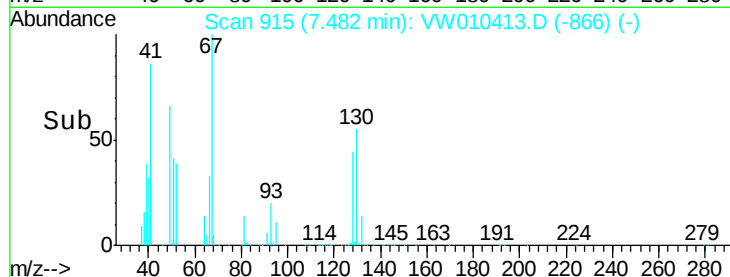
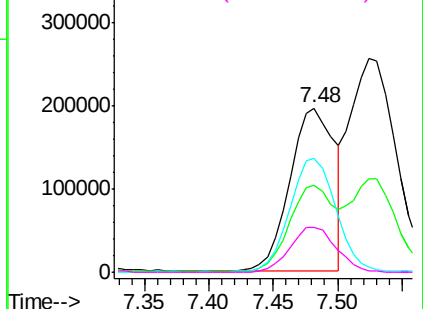
#41
Methacrylonitrile
Concen: 86.396 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	472081
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.7	64.1
67	71.4	58.8	88.2
52	28.7	23.2	34.8

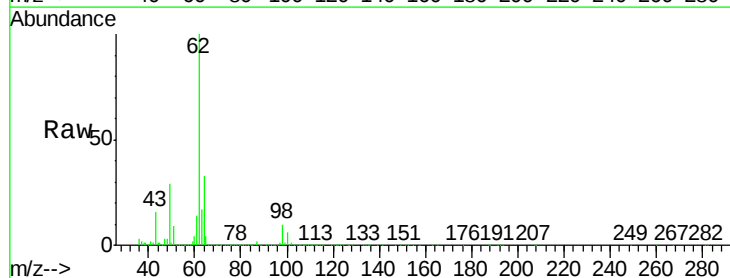


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

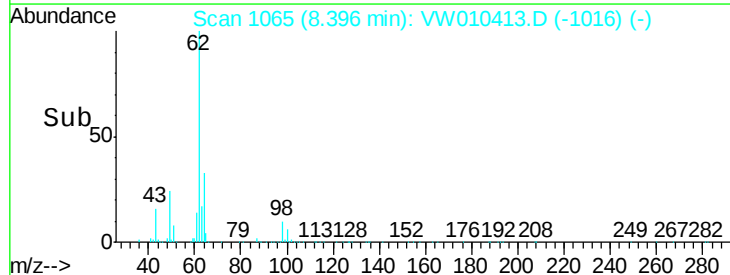
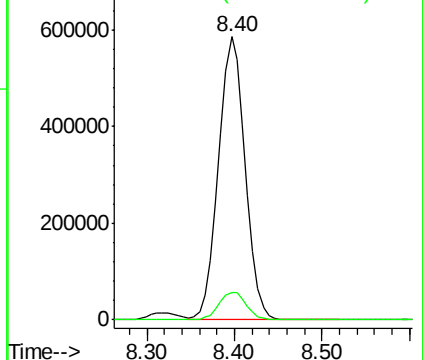


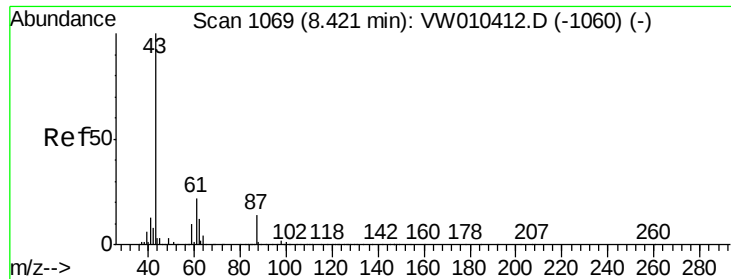
#42
1,2-Dichloroethane
Concen: 84.835 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion:	62	Resp:	1234355
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 95.211 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

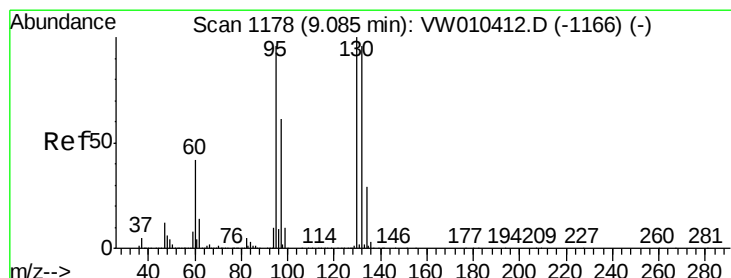
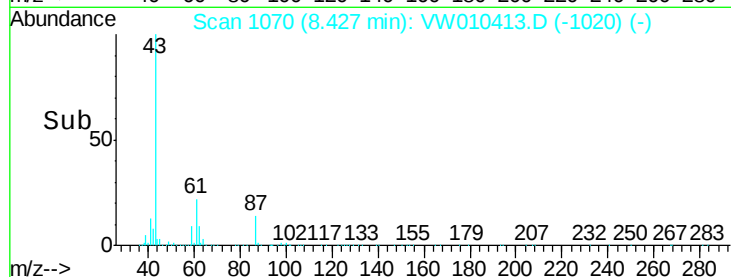
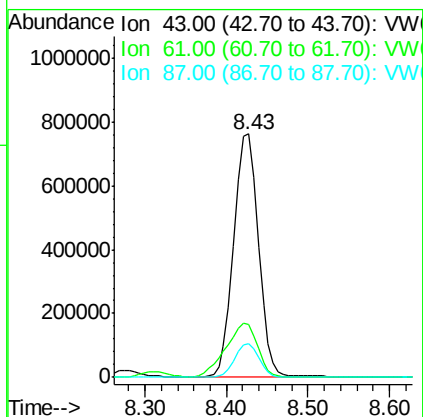
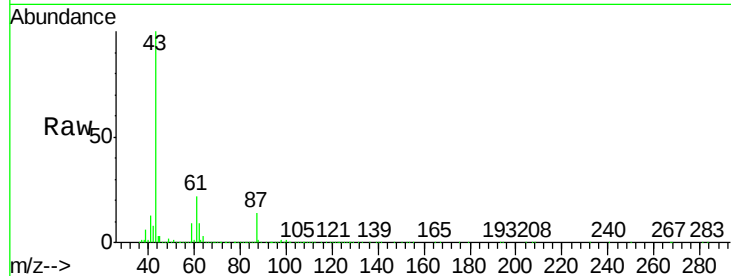
Tot Ion: 43 Resp: 1581286

Ion Ratio Lower Upper

43 100

61 28.8 23.3 34.9

87 14.0 11.6 17.4



#44

Trichloroethene

Concen: 92.122 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW010413.D

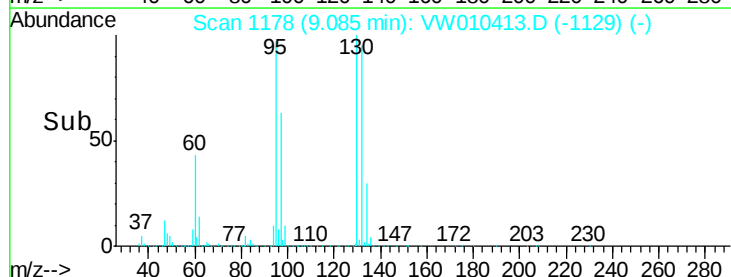
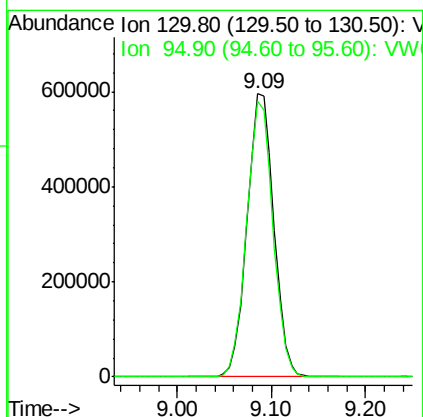
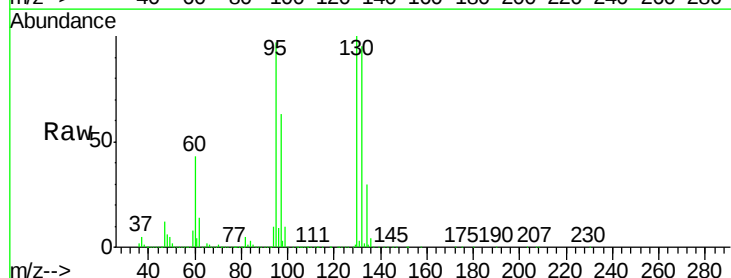
Acq: 16 May 2019 20:29

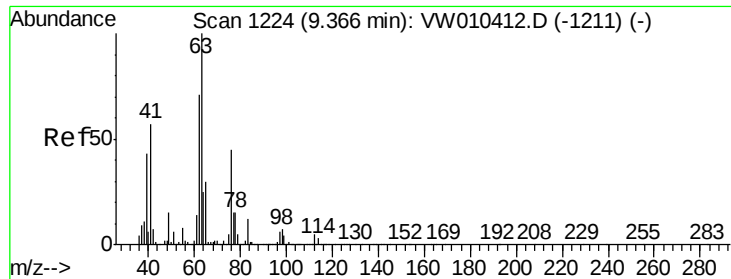
Tgt Ion: 130 Resp: 1188931

Ion Ratio Lower Upper

130 100

95 97.3 0.0 192.4





#45

1,2-Dichloropropane

Concen: 83.358 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

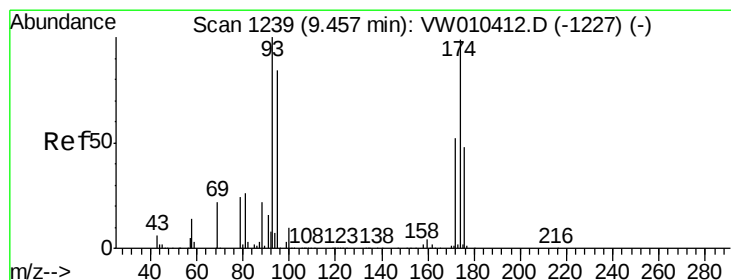
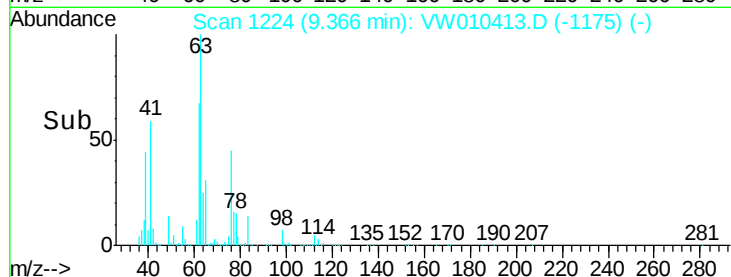
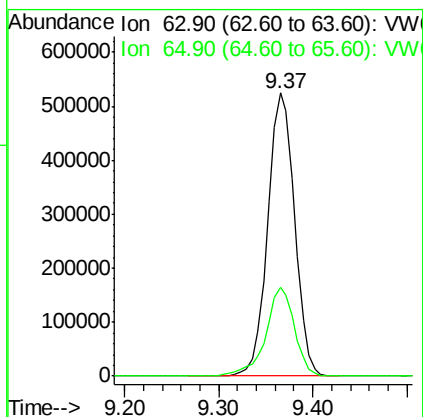
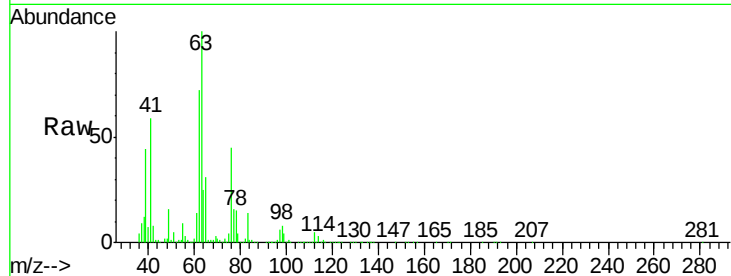
VSTDIC100

Tot Ion: 63 Resp: 1048768

Ion Ratio Lower Upper

63 100

65 31.4 24.1 36.1



#46

Dibromomethane

Concen: 92.329 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

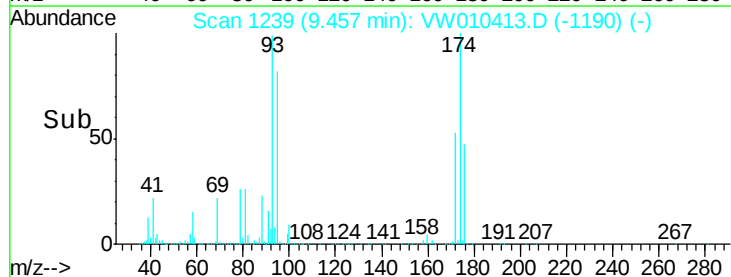
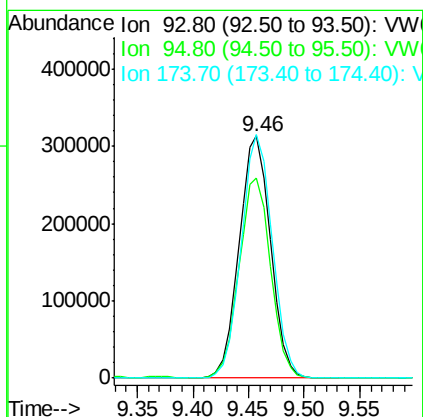
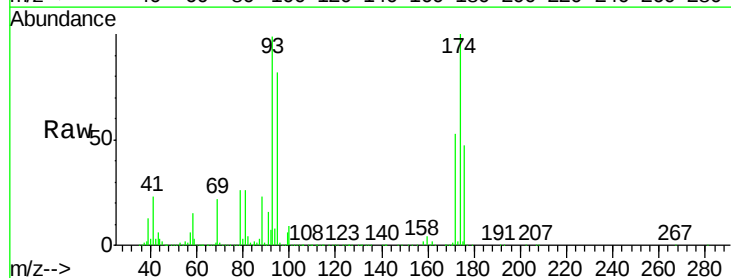
Tgt Ion: 93 Resp: 611976

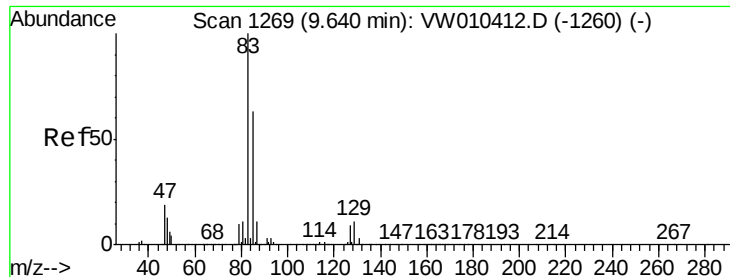
Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

174 99.9 79.8 119.6





#47

Bromodichloromethane

Concen: 94.608 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

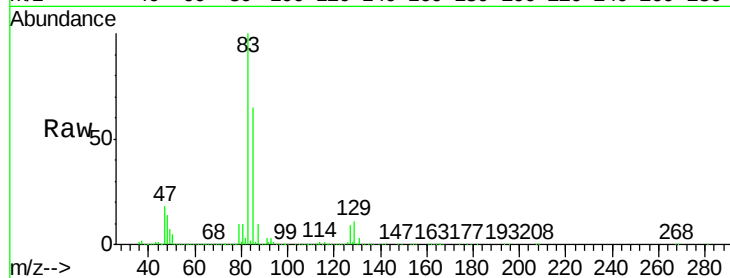
Tot Ion: 83 Resp: 1511092

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.2	75.2
127	8.6	6.9	10.3

83 100

85 65.1 50.2 75.2

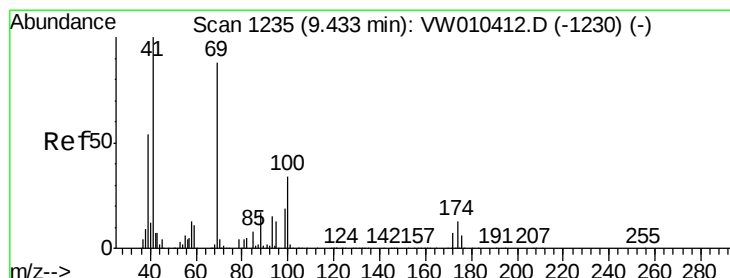
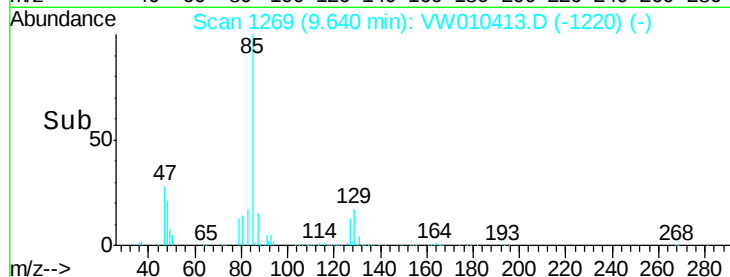
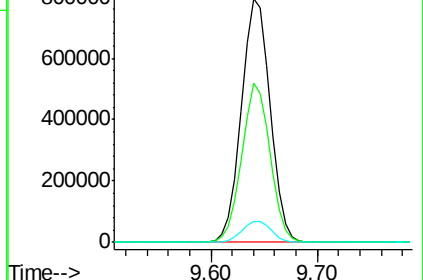
127 8.6 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 92.173 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

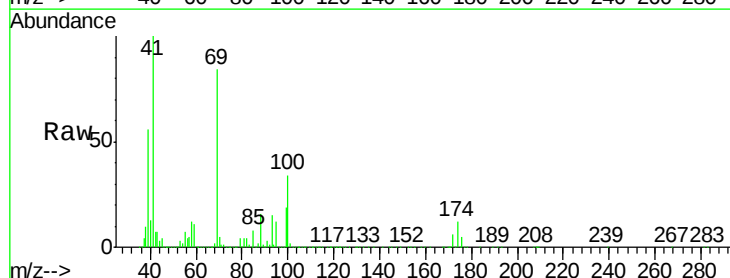
Tgt Ion: 41 Resp: 713015

Ion	Ratio	Lower	Upper
41	100		
69	90.5	72.6	108.8
39	59.9	48.0	72.0

41 100

69 90.5 72.6 108.8

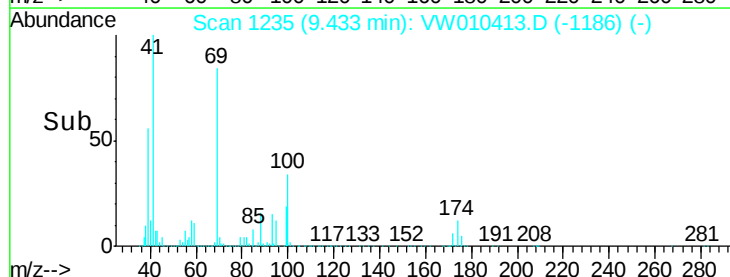
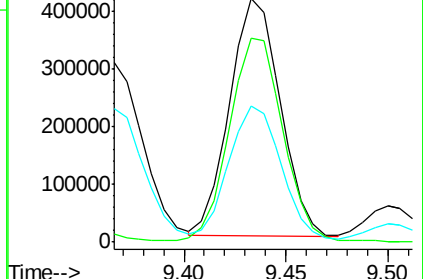
39 59.9 48.0 72.0

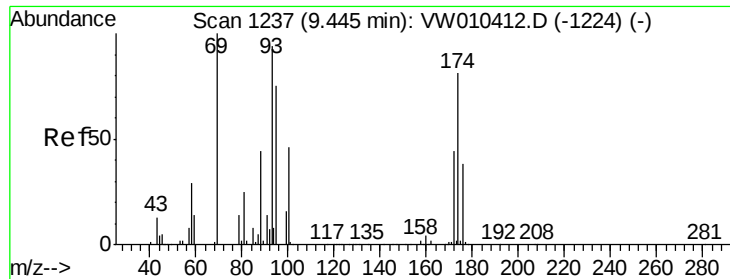


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

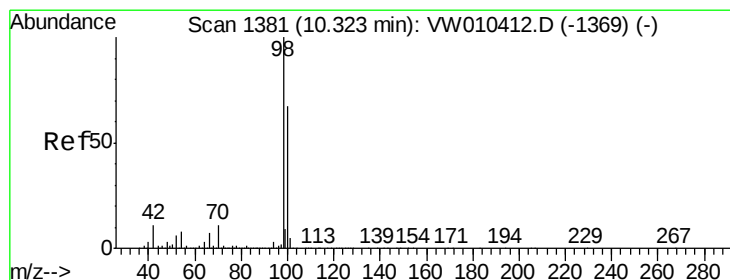
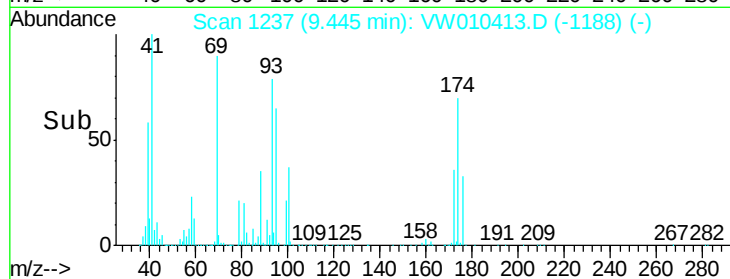
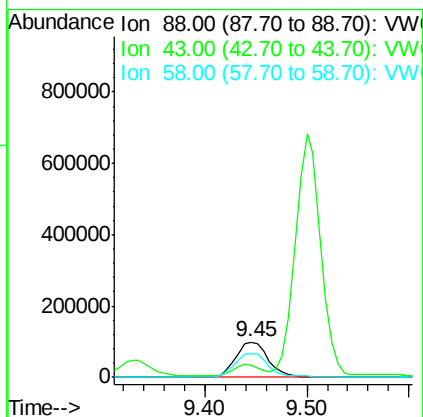
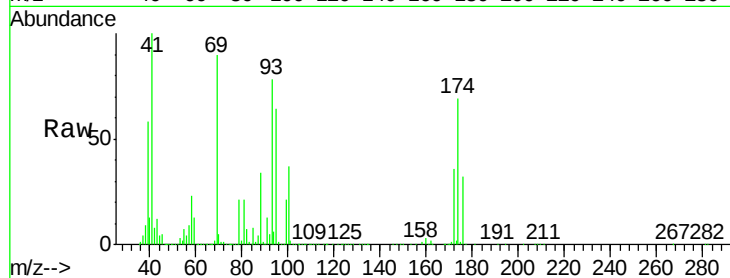




#49
1,4-Dioxane
Concen: 1902.938 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

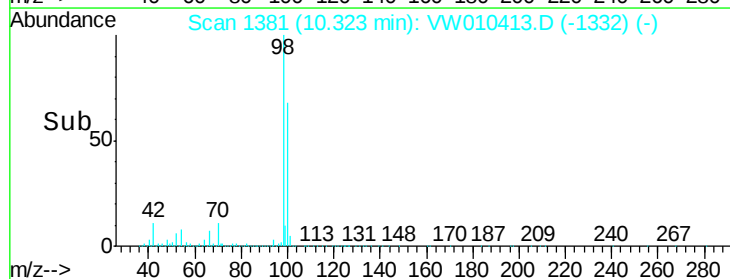
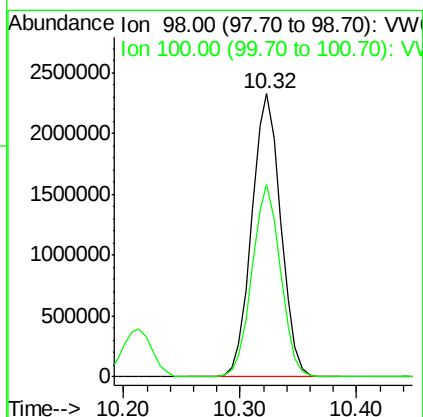
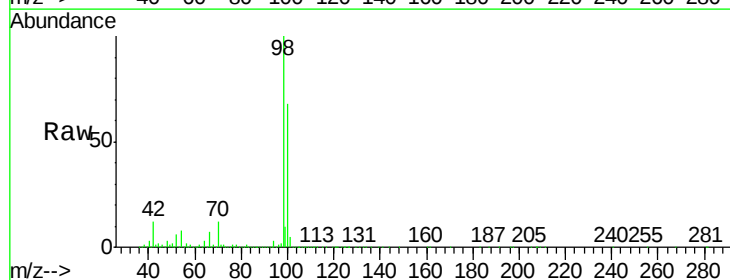
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

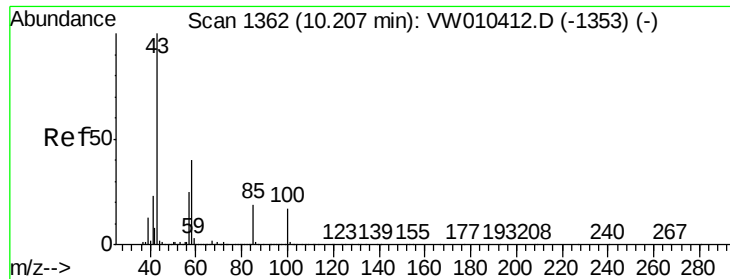
Tot Ion: 88 Resp: 218770
Ion Ratio Lower Upper
88 100
43 29.3 24.6 36.8
58 70.2 56.2 84.4



#50
Toluene-d8
Concen: 97.808 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion: 98 Resp: 4038825
Ion Ratio Lower Upper
98 100
100 66.8 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 445.429 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

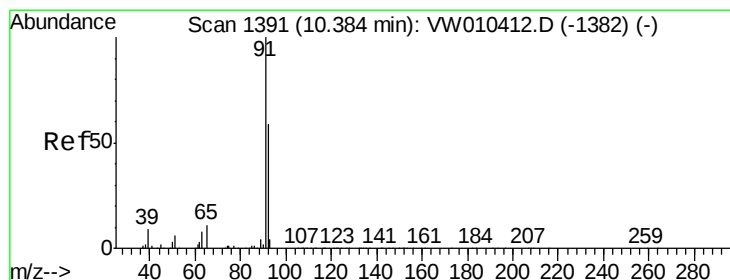
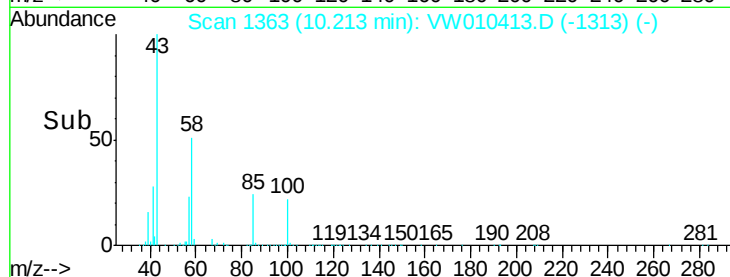
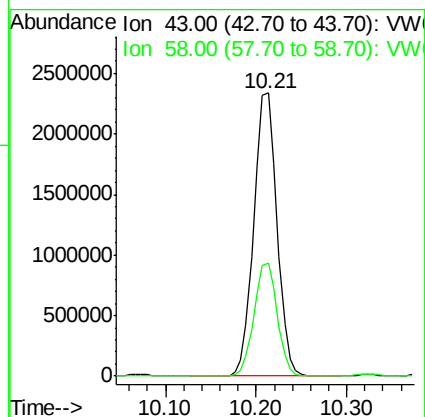
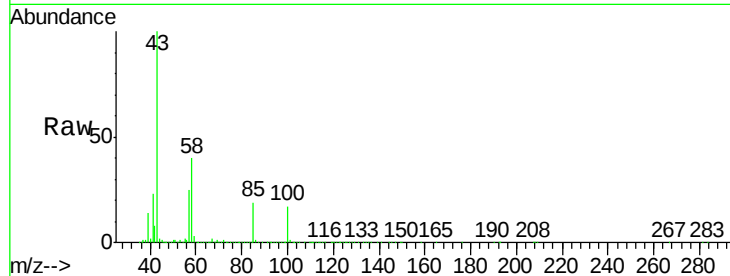
VSTDIC100

Tot Ion: 43 Resp: 4147721

Ion Ratio Lower Upper

43 100

58 39.8 32.1 48.1



#52

Toluene

Concen: 90.198 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW010413.D

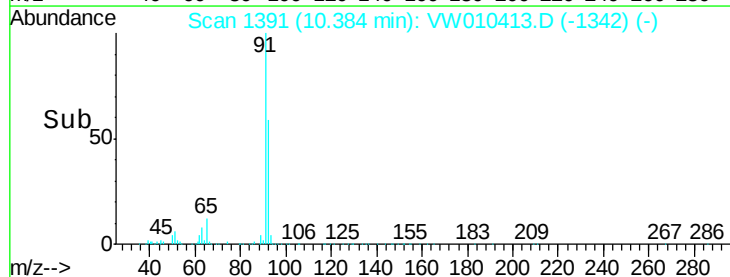
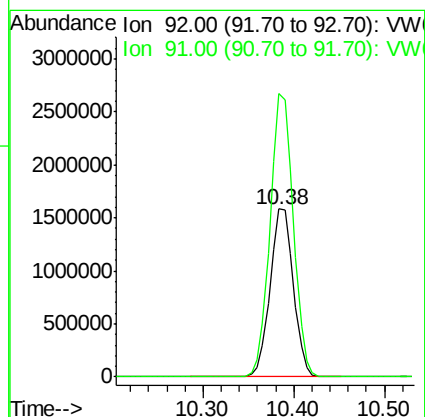
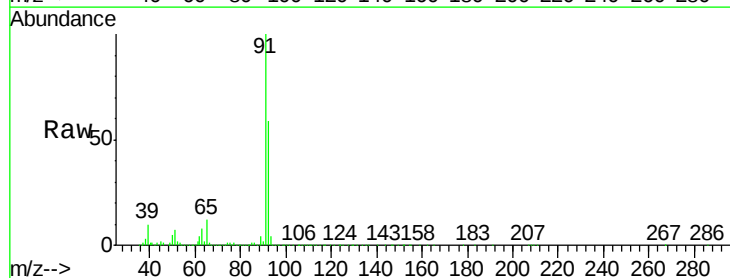
Acq: 16 May 2019 20:29

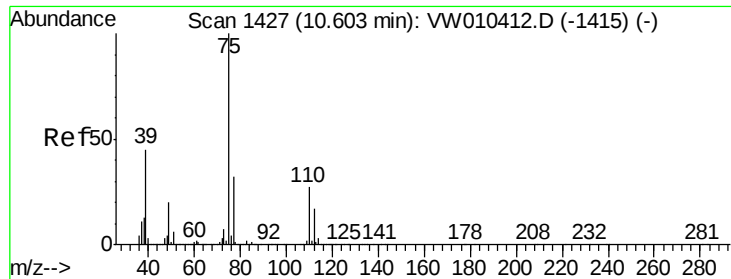
Tgt Ion: 92 Resp: 2816537

Ion Ratio Lower Upper

92 100

91 168.2 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 99.276 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

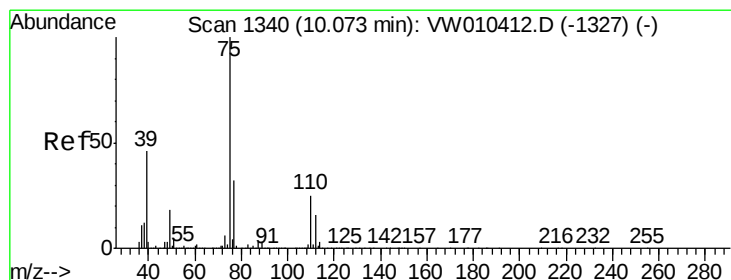
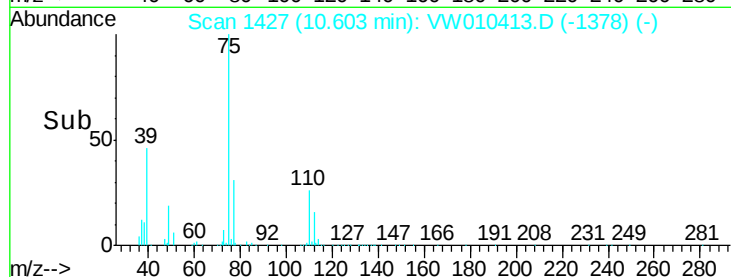
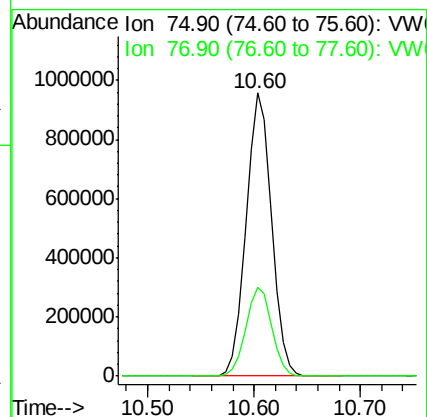
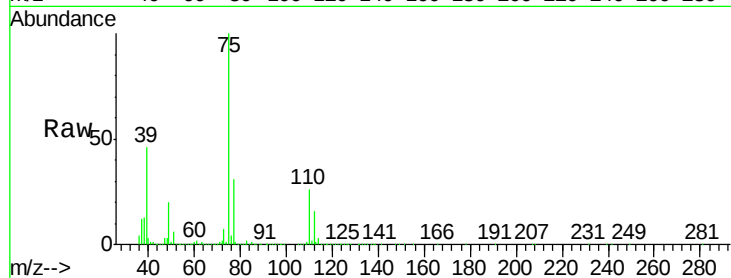
VSTDIC100

Tot Ion: 75 Resp: 1606125

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 94.094 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

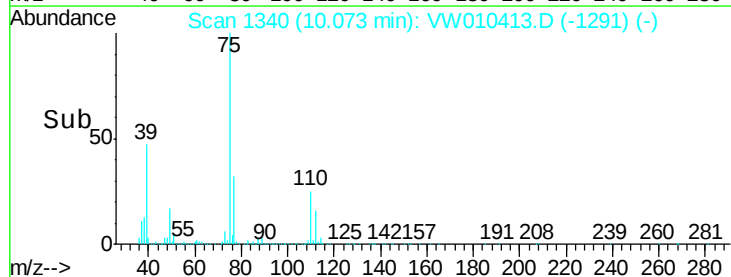
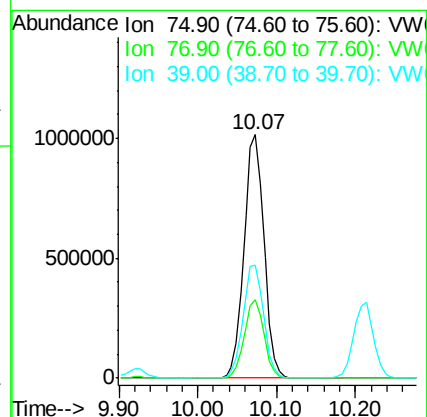
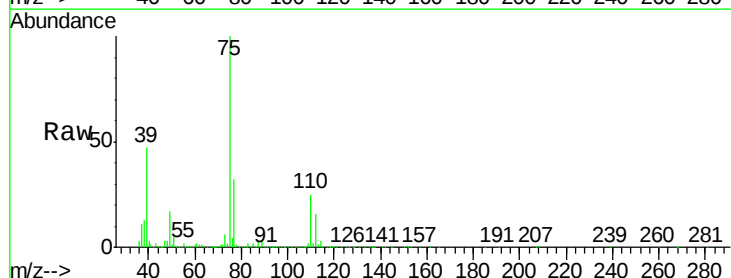
Tgt Ion: 75 Resp: 1790517

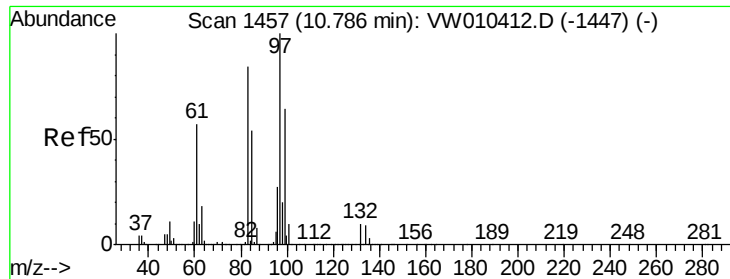
Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 46.6 37.1 55.7

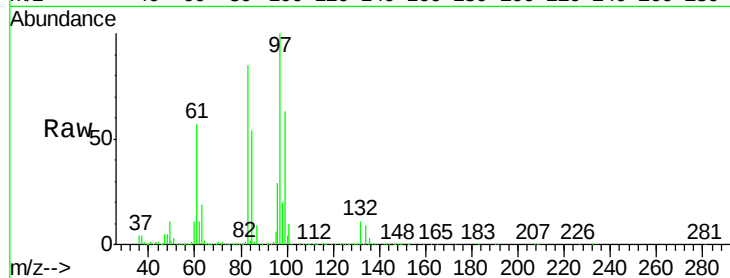




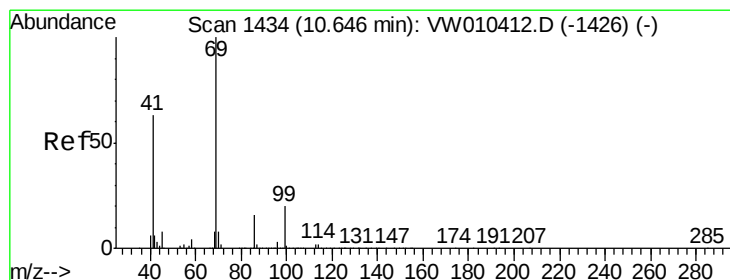
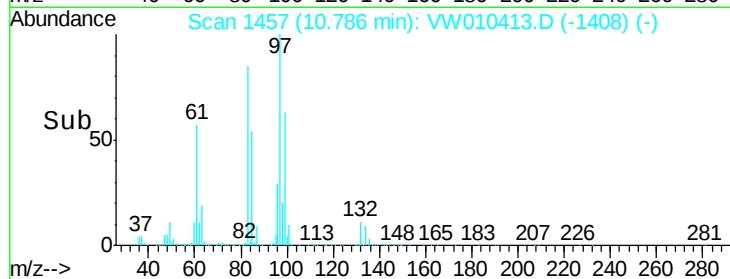
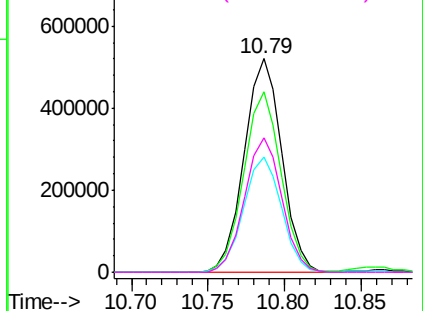
#55
 1,1,2-Trichloroethane
 Concen: 94.106 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010413.D
 Acq: 16 May 2019 20:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	890367
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.2	100.8
85	53.8	43.1	64.7
99	63.1	51.3	76.9

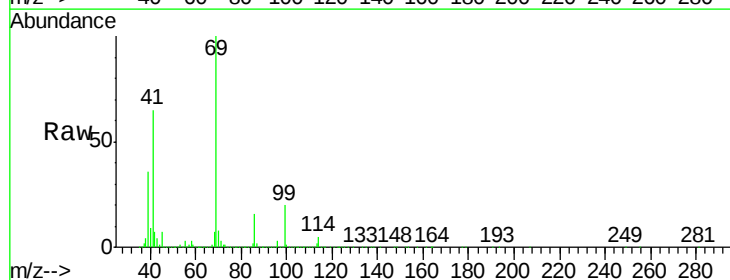


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

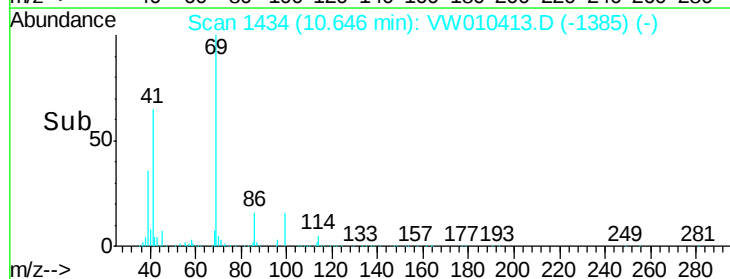
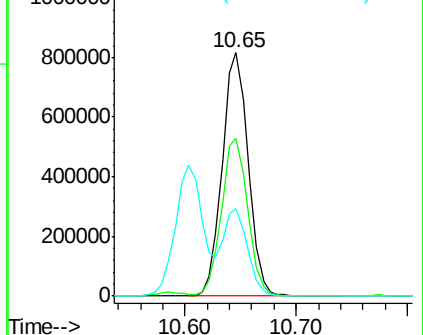


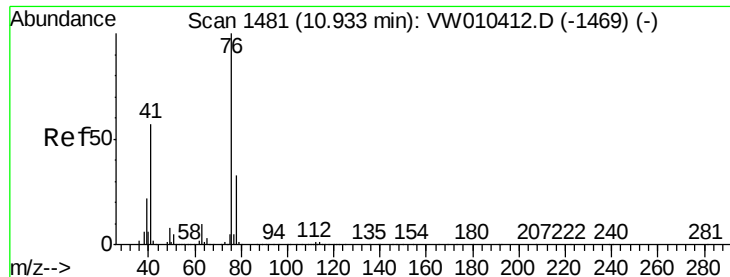
#56
 Ethyl methacrylate
 Concen: 104.709 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010413.D
 Acq: 16 May 2019 20:29

Tgt Ion:	69	Resp:	1312940
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.7	77.5
39	32.9	26.2	39.2



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 89.815 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

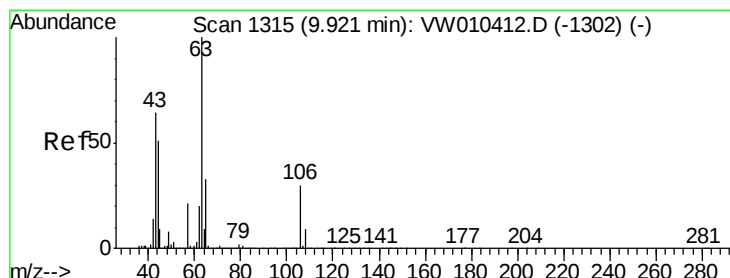
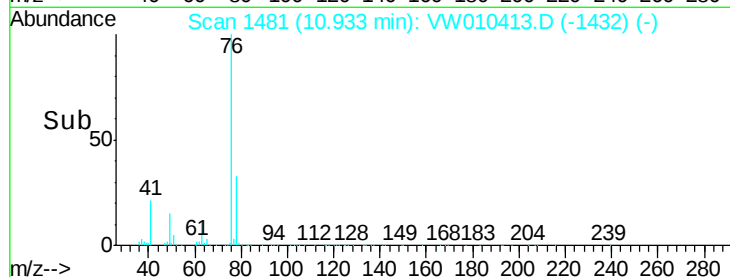
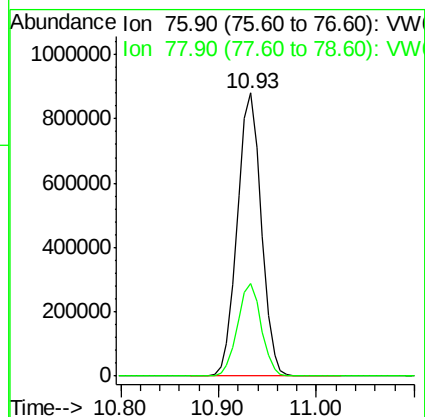
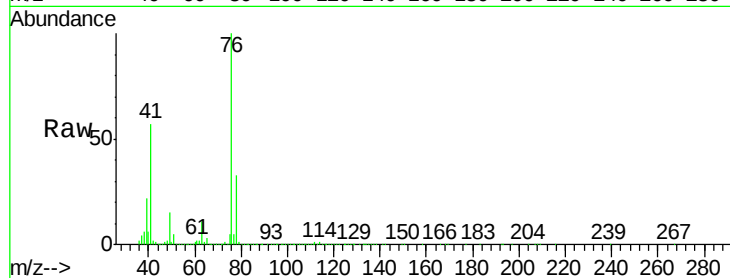
VSTDIC100

Tot Ion: 76 Resp: 1497437

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 506.032 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW010413.D

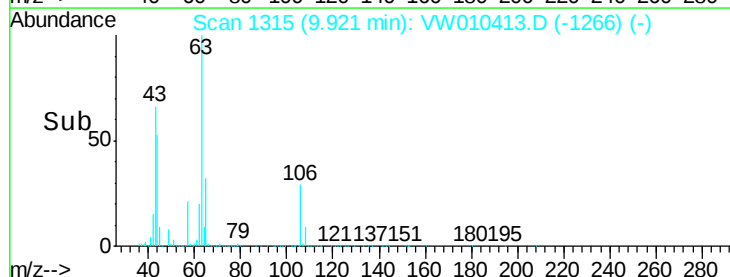
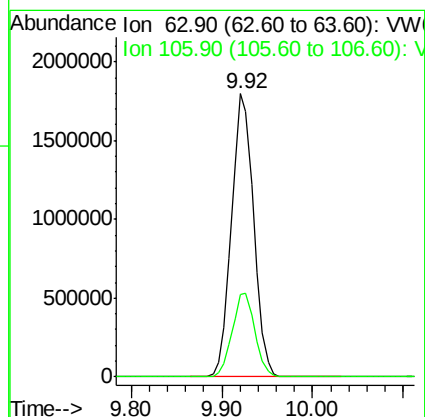
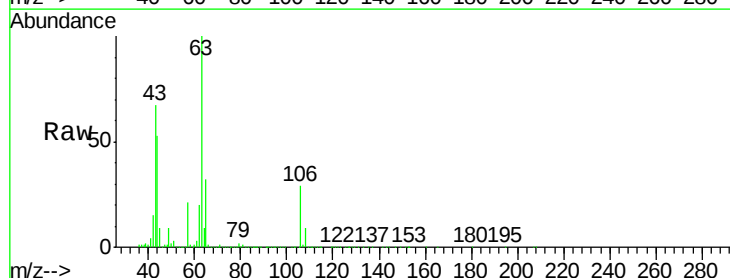
Acq: 16 May 2019 20:29

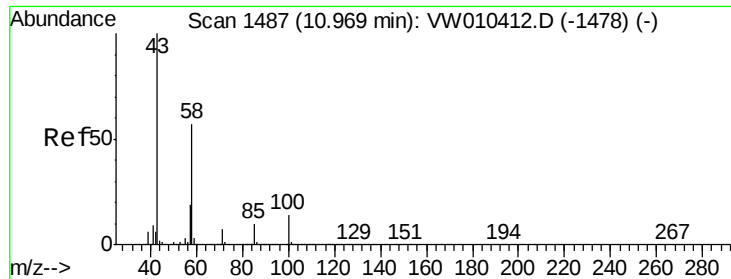
Tgt Ion: 63 Resp: 3041999

Ion Ratio Lower Upper

63 100

106 30.1 24.5 36.7

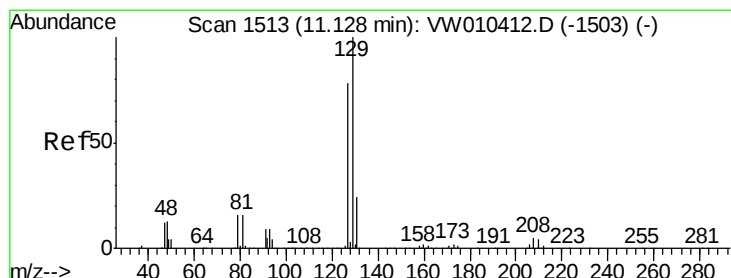
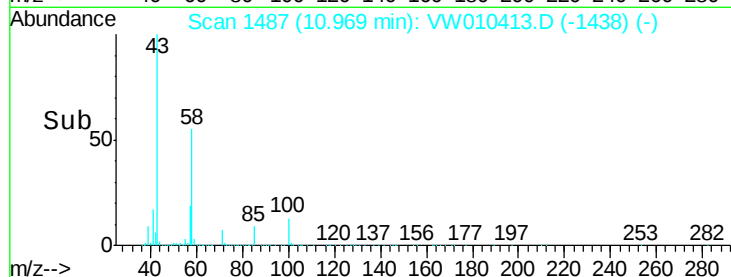
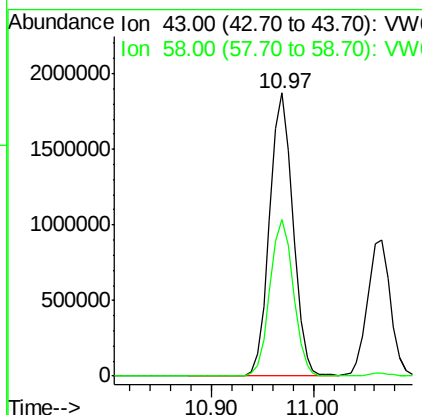
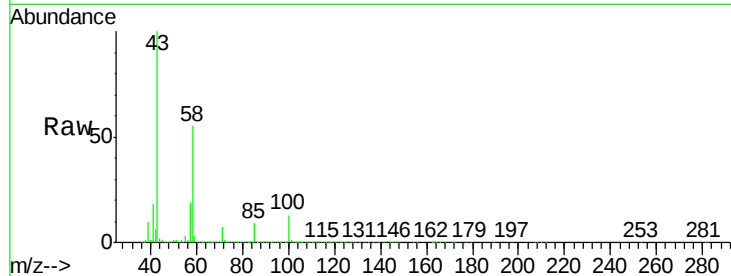




#59
2-Hexanone
Concen: 449.666 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

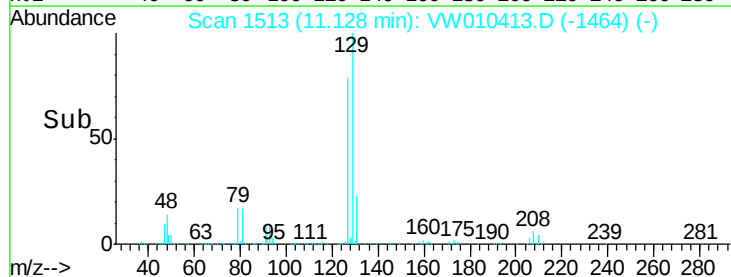
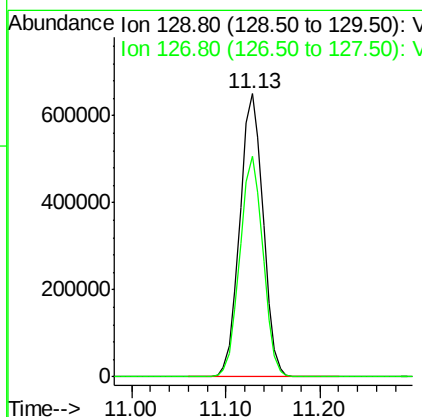
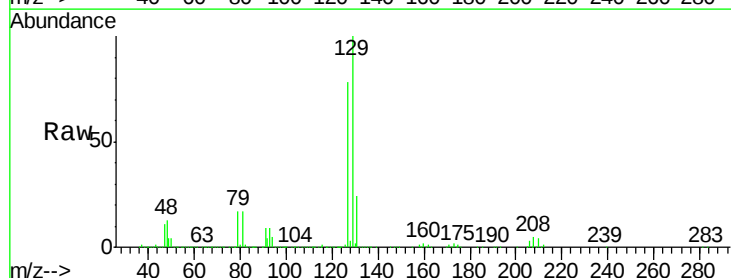
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

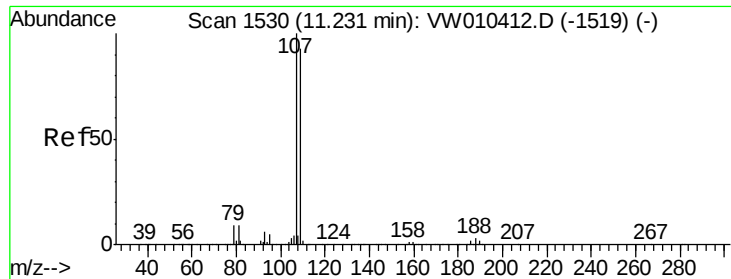
Tot Ion: 43 Resp: 2956351
Ion Ratio Lower Upper
43 100
58 55.7 28.0 83.9



#60
Dibromochloromethane
Concen: 108.099 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion: 129 Resp: 1126539
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.9

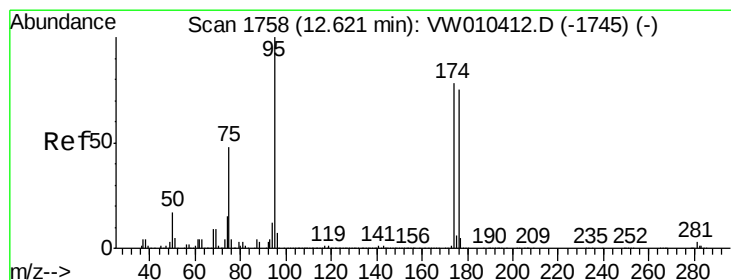
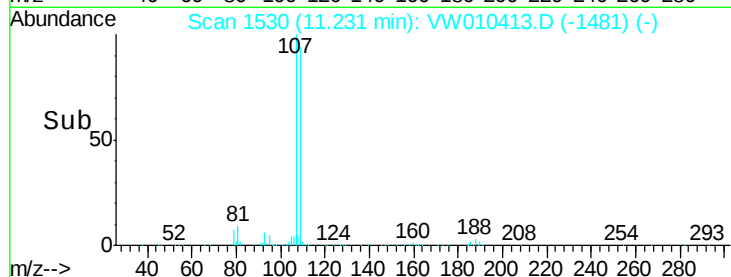
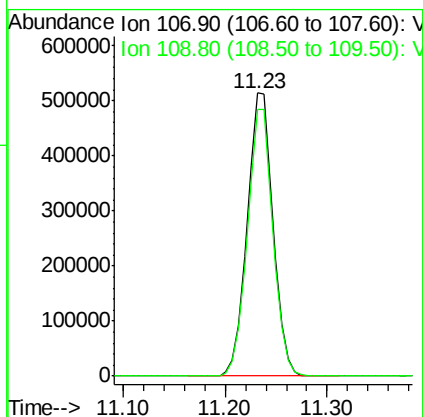
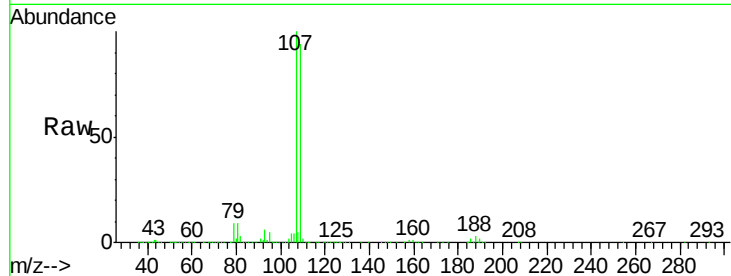




#61
 1,2-Dibromoethane
 Concen: 99.502 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW010413.D
 Acq: 16 May 2019 20:29

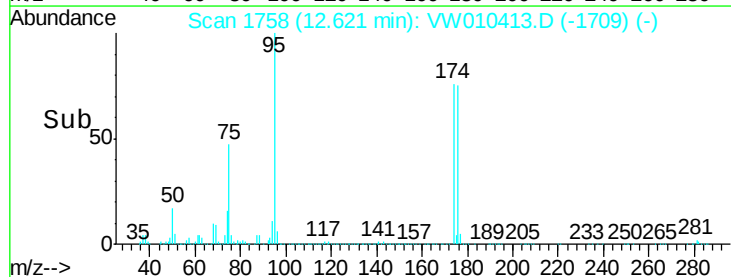
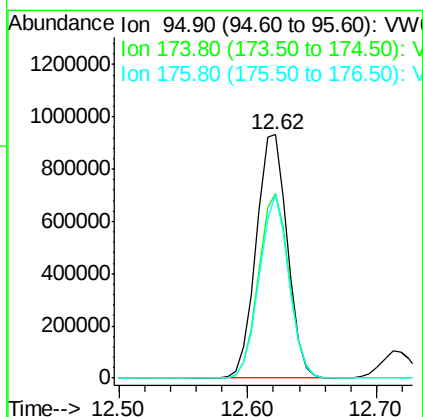
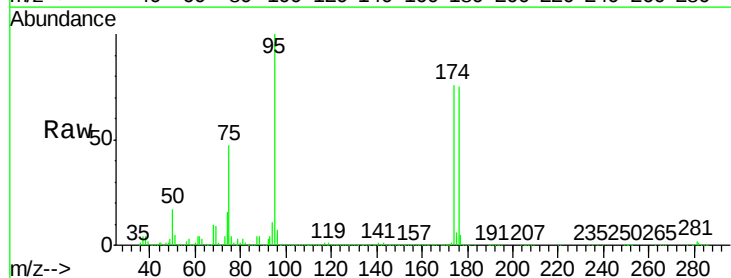
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

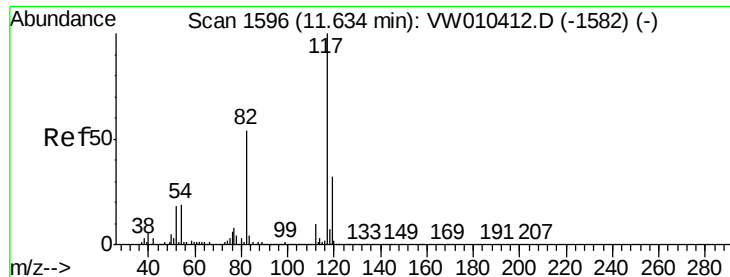
Tot Ion:107 Resp: 908814
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 104.307 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010413.D
 Acq: 16 May 2019 20:29

Tgt Ion: 95 Resp: 1547114
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 150.2
 176 71.5 0.0 144.6

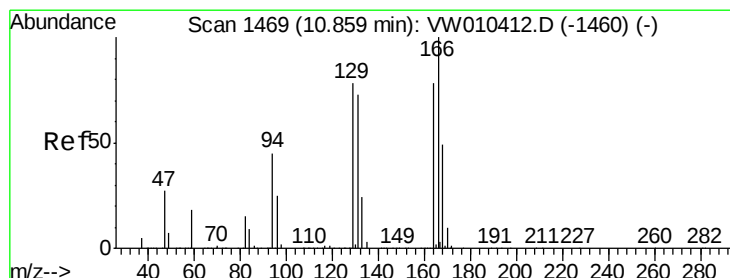
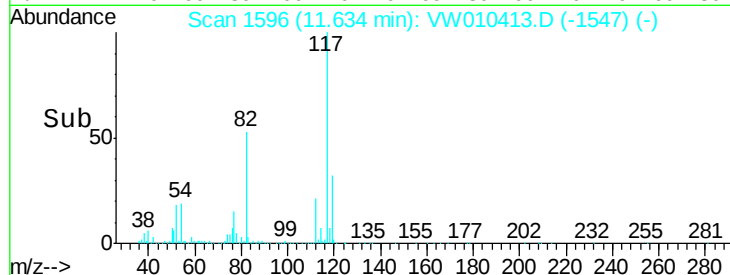
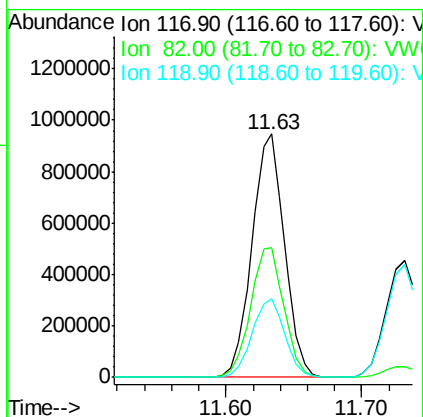
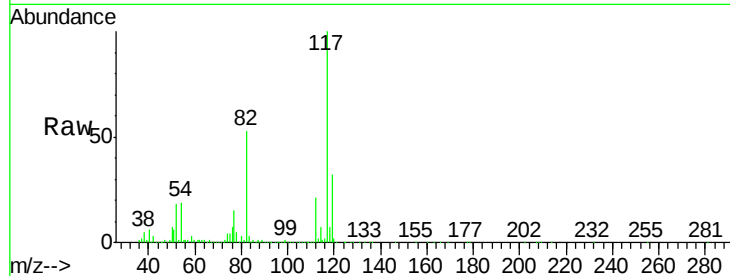




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

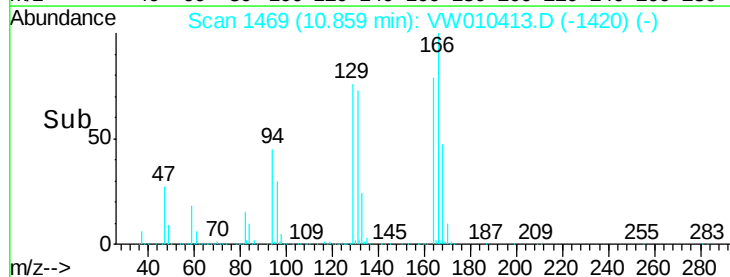
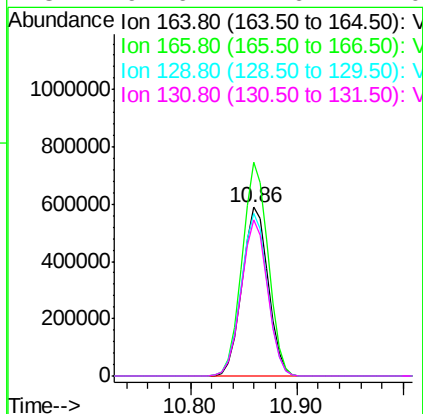
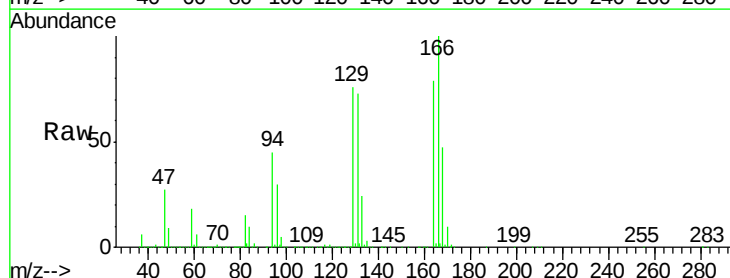
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

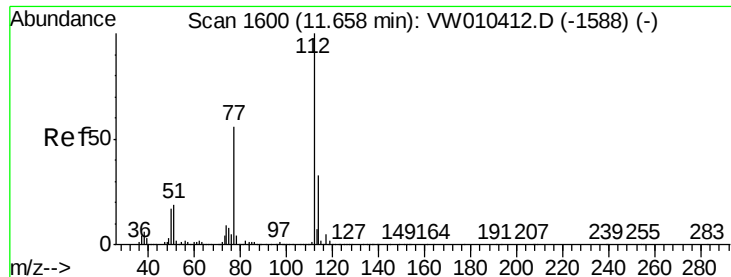
Tot Ion:117 Resp: 1584569
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.6
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 92.493 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion:164 Resp: 1016594
Ion Ratio Lower Upper
164 100
166 126.8 102.3 153.5
129 96.7 79.6 119.4
131 92.6 74.6 112.0

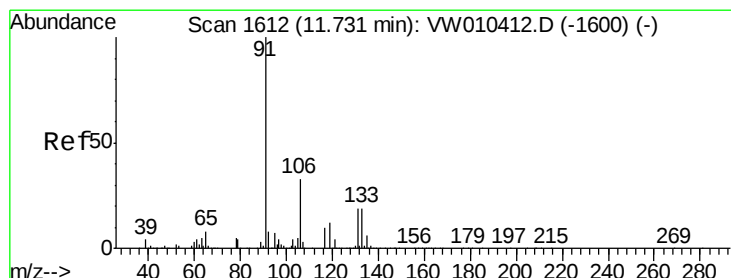
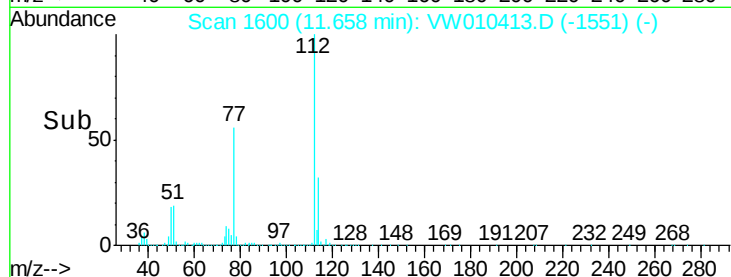
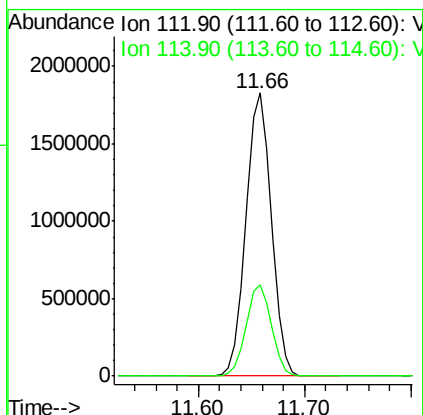
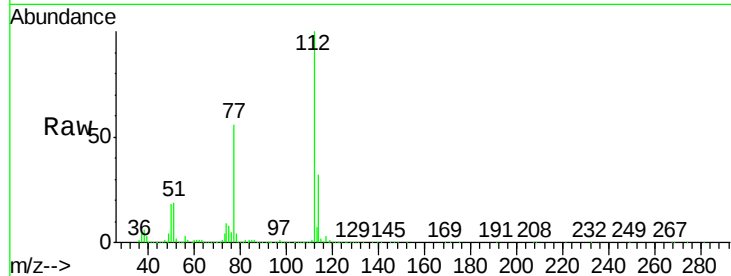




#65
Chlorobenzene
Concen: 93.865 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

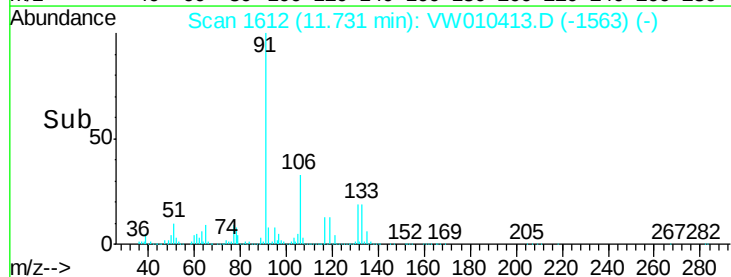
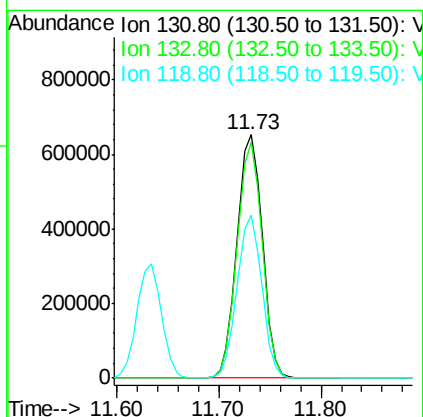
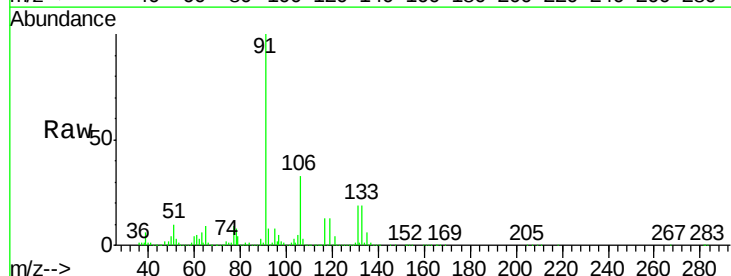
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

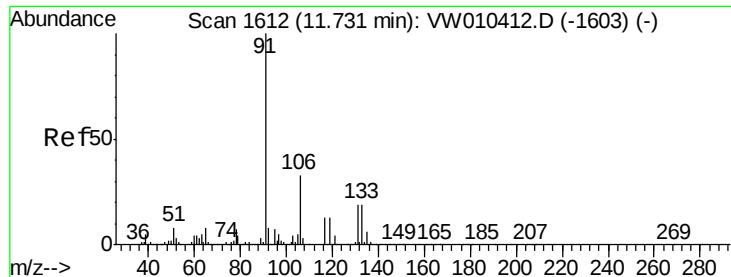
Tot Ion:112 Resp: 3073228
Ion Ratio Lower Upper
112 100
114 32.1 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 100.060 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion:131 Resp: 1121495
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 65.2 32.4 97.0

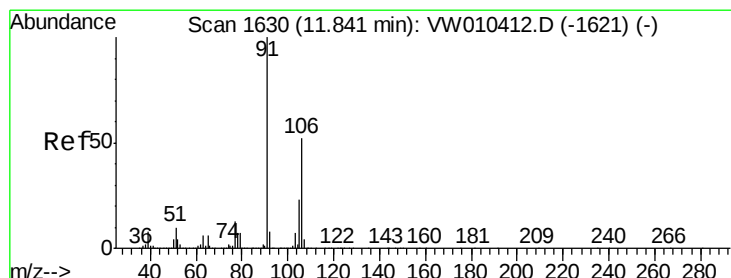
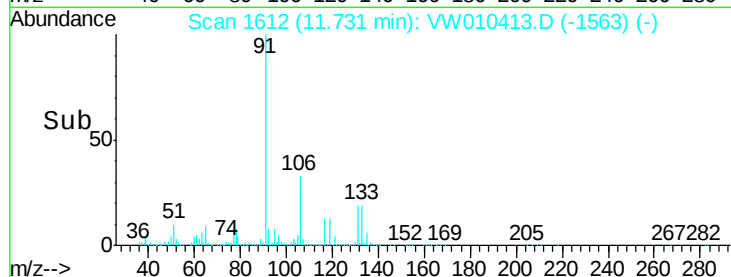
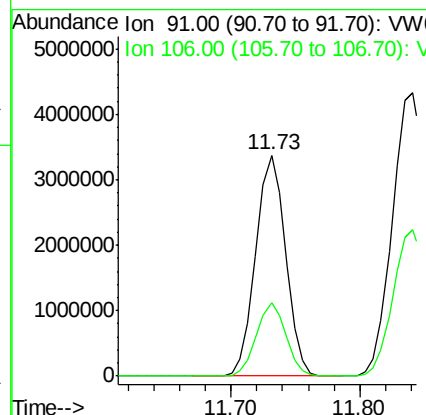
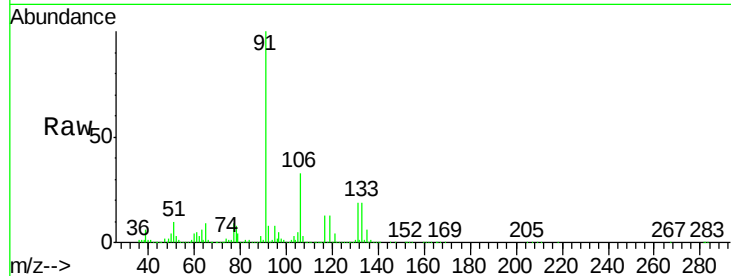




#67
Ethyl Benzene
Concen: 90.967 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

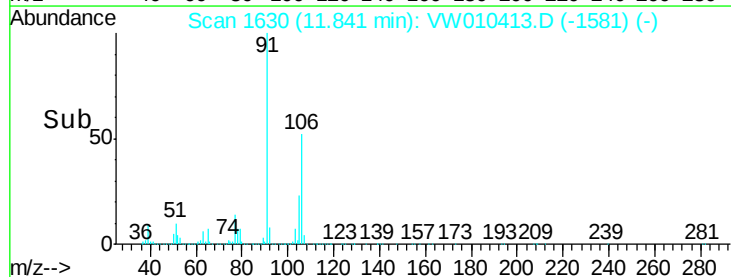
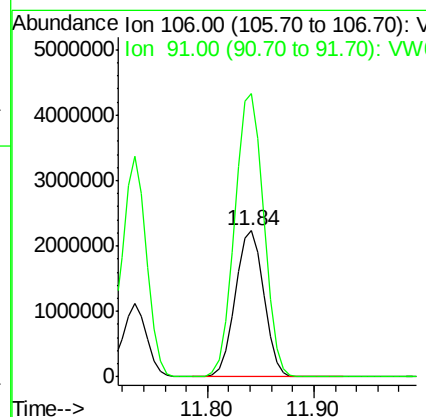
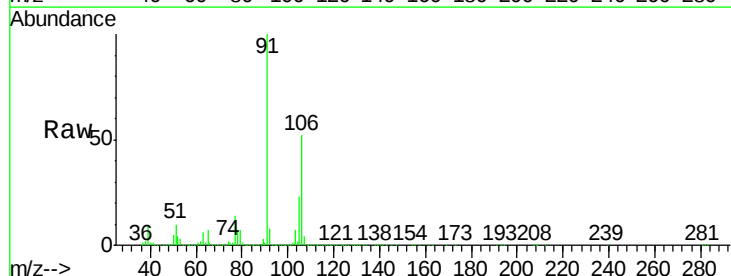
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

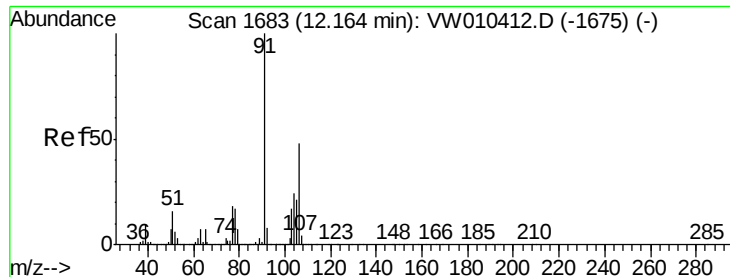
Tot Ion: 91 Resp: 5400784
Ion Ratio Lower Upper
91 100
106 33.2 26.0 39.0



#68
m/p-Xylenes
Concen: 189.782 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion: 106 Resp: 4223557
Ion Ratio Lower Upper
106 100
91 196.2 156.2 234.2

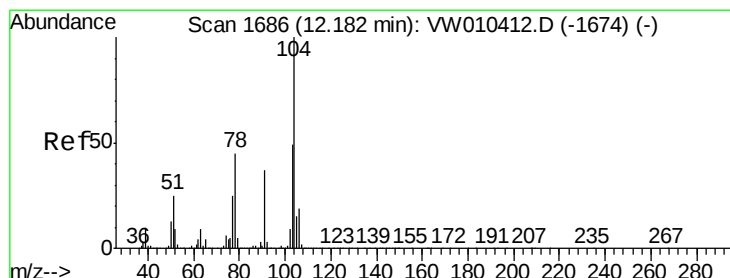
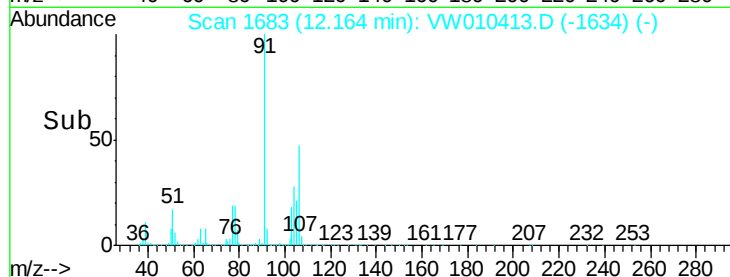
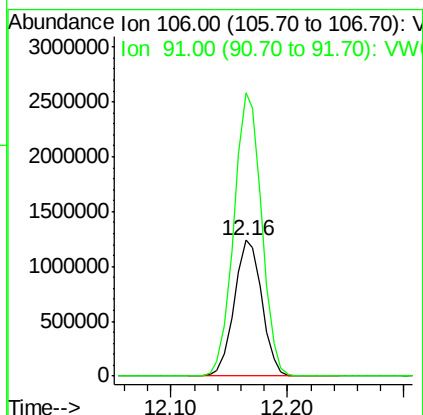
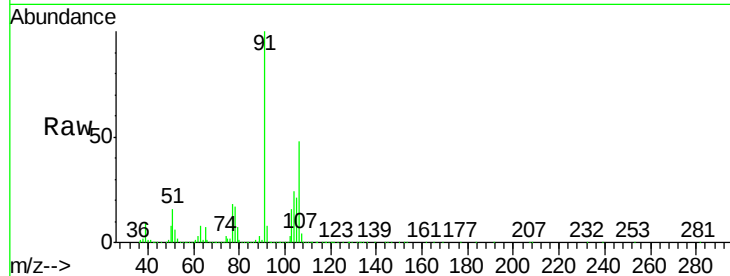




#69
o-Xylene
Concen: 100.902 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

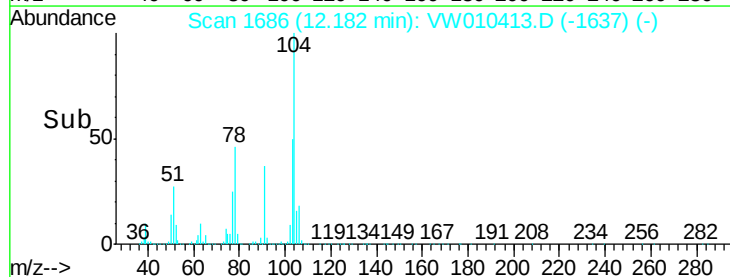
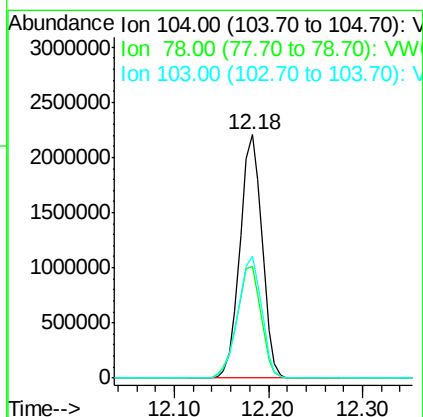
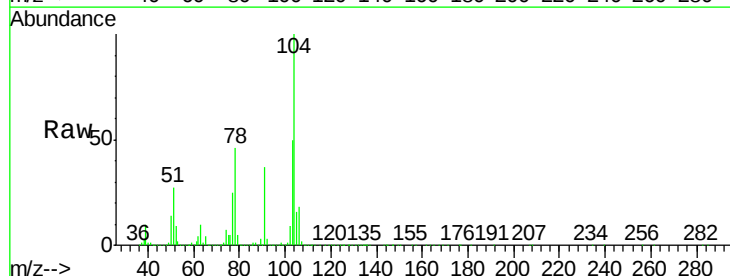
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

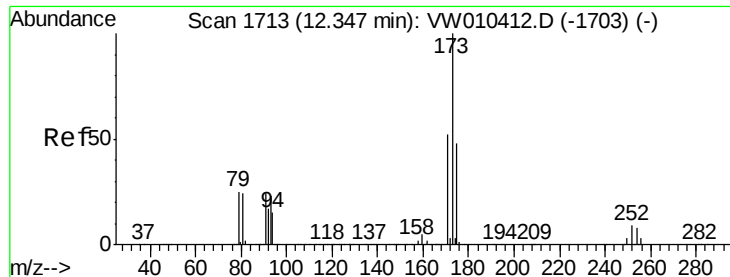
Tot Ion:106 Resp: 2051016
Ion Ratio Lower Upper
106 100
91 208.0 102.8 308.3



#70
Styrene
Concen: 101.834 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion:104 Resp: 3601411
Ion Ratio Lower Upper
104 100
78 50.3 39.4 59.2
103 53.6 42.6 64.0





#71

Bromoform

Concen: 104.770 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

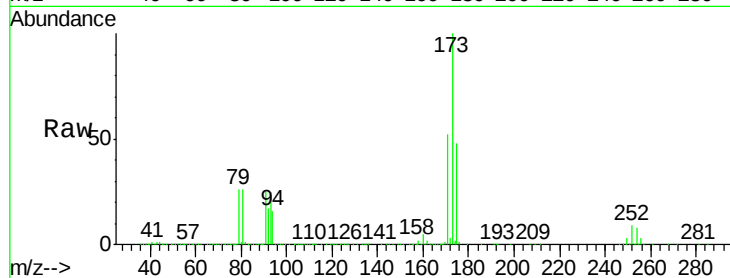
Tot Ion:173 Resp: 679370

Ion Ratio Lower Upper

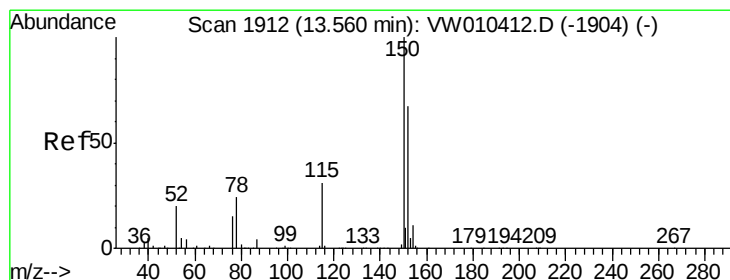
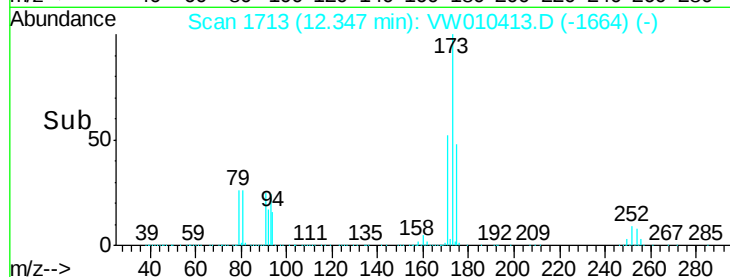
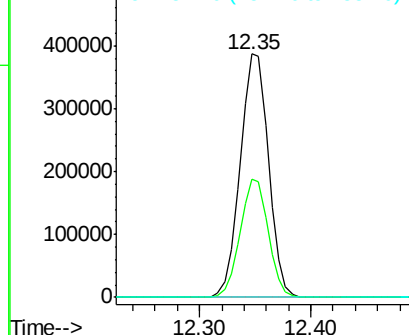
173 100

175 48.1 24.1 72.2

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

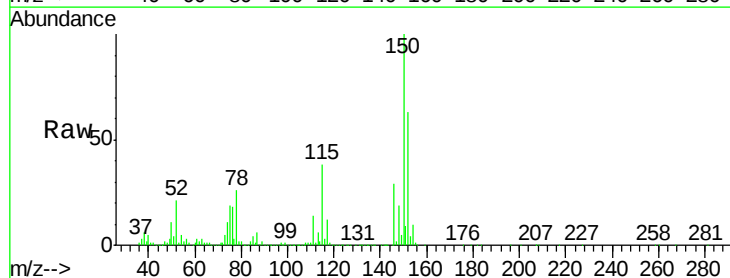
Tgt Ion:152 Resp: 763102

Ion Ratio Lower Upper

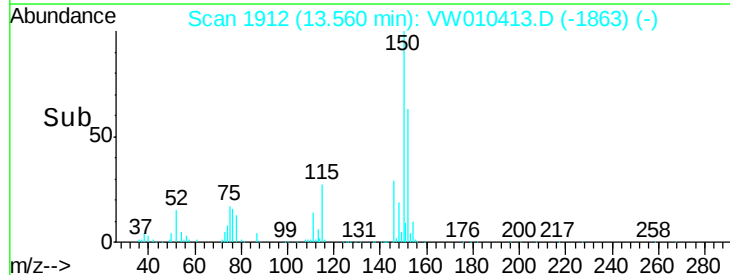
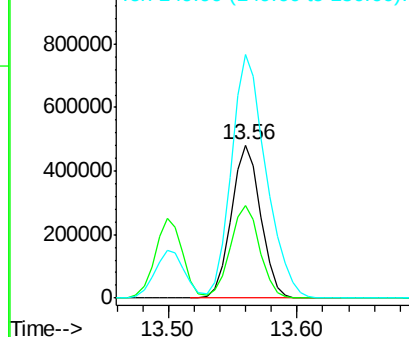
152 100

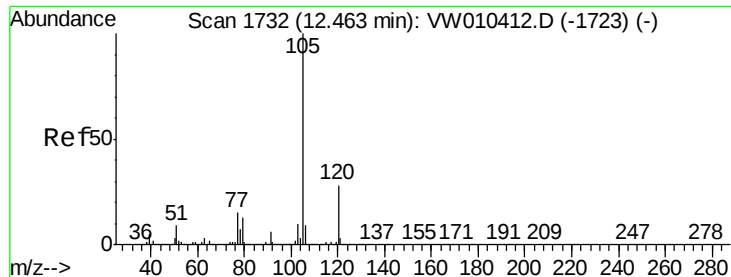
115 60.5 30.2 90.6

150 187.1 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 98.054 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

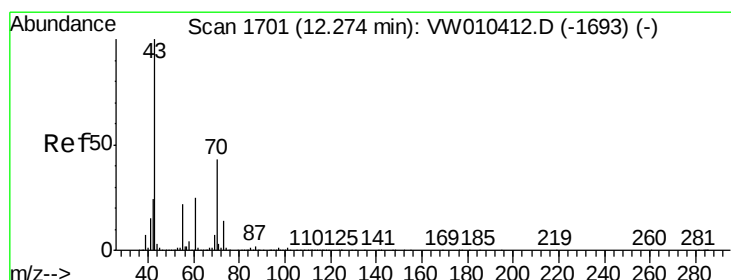
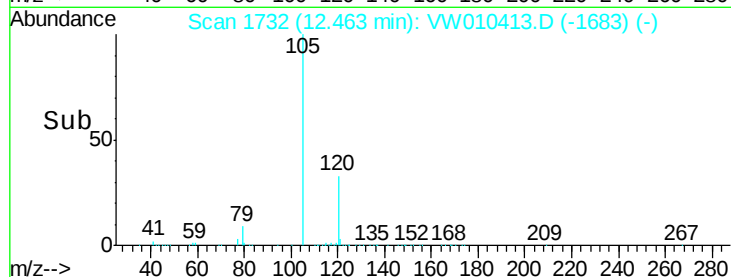
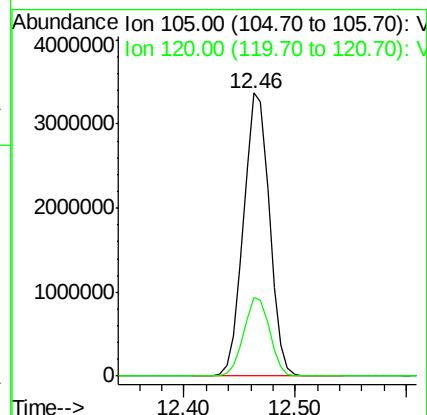
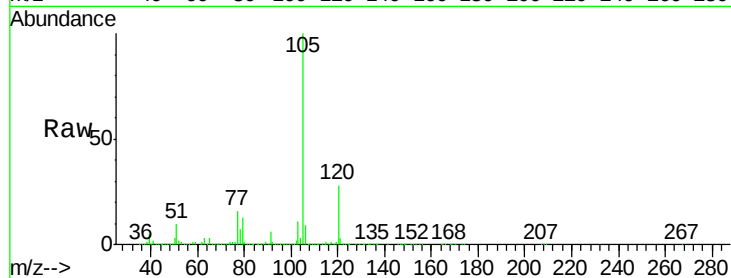
VSTDIC100

Tot Ion:105 Resp: 5423608

Ion Ratio Lower Upper

105 100

120 27.7 13.7 41.1



#74

N-ethyl acetate

Concen: 112.942 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Tgt Ion: 43 Resp: 1650132

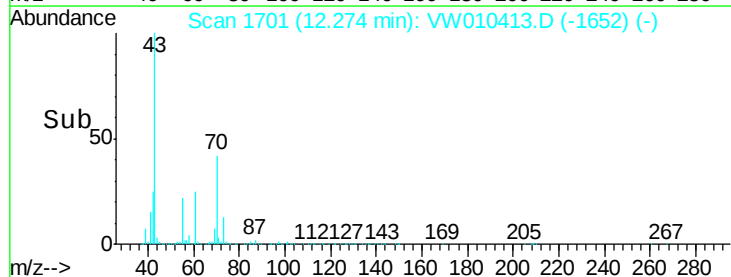
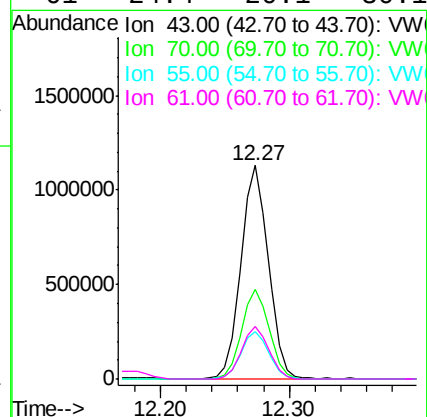
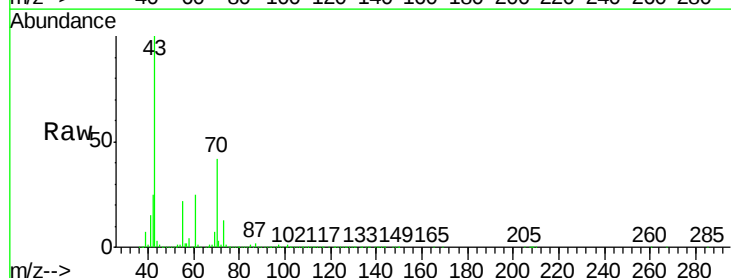
Ion Ratio Lower Upper

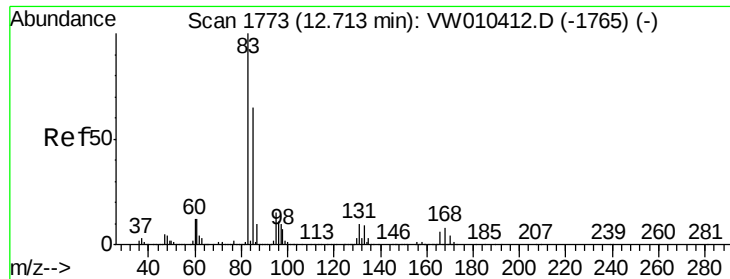
43 100

70 42.3 34.6 51.8

55 22.5 17.8 26.8

61 24.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 90.836 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

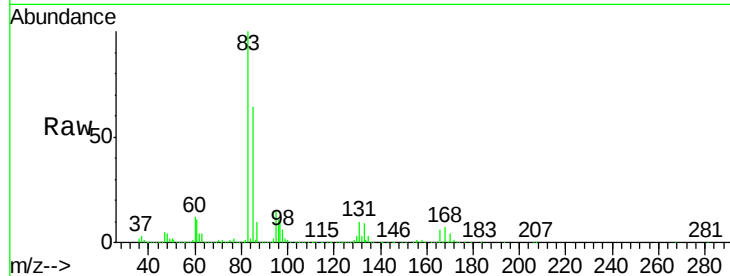
Tot Ion: 83 Resp: 1102947

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	64.3	32.4	97.0

83 100

131 11.0 5.4 16.2

85 64.3 32.4 97.0



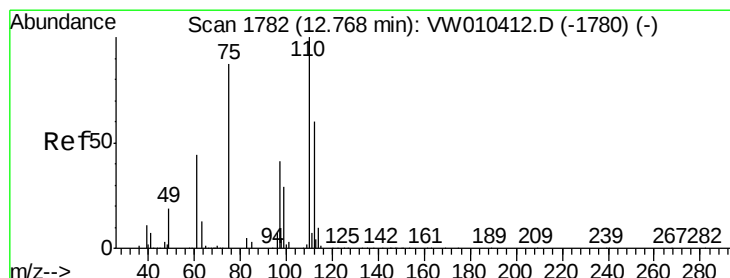
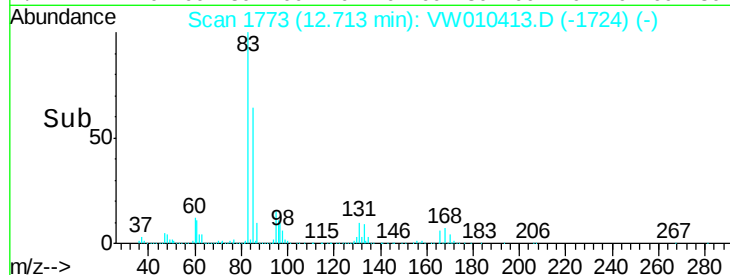
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW

12.71

Time--> 12.60 12.65 12.70 12.75



#76

1,2,3-Trichloropropane

Concen: 103.217 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010413.D

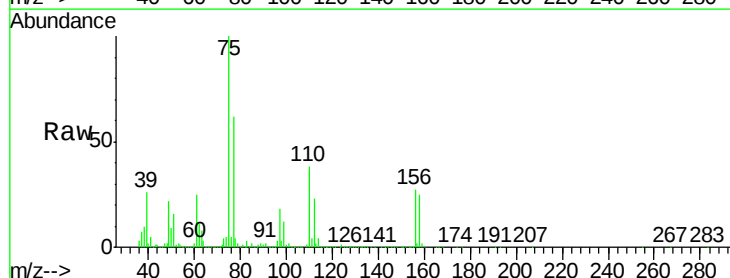
Acq: 16 May 2019 20:29

Tgt Ion: 75 Resp: 901319

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0

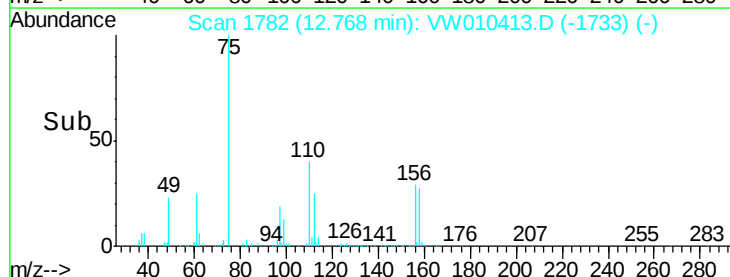


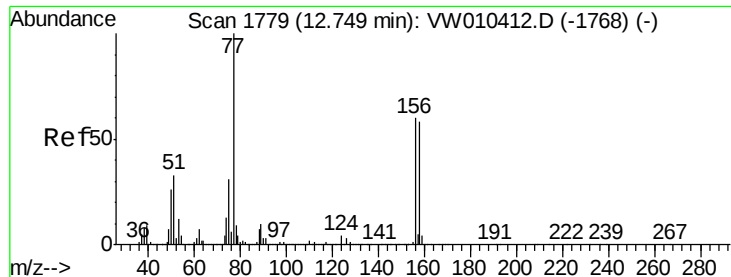
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

Time--> 12.75 12.80





#77

Bromobenzene

Concen: 98.709 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

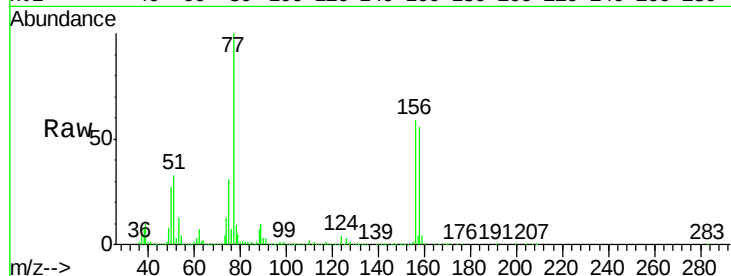
Tot Ion:156 Resp: 1251407

Ion Ratio Lower Upper

156 100

77 193.9 95.4 286.2

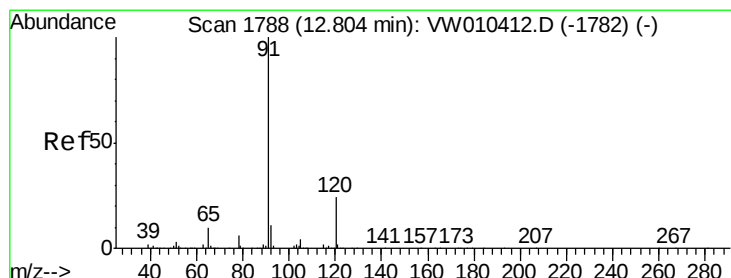
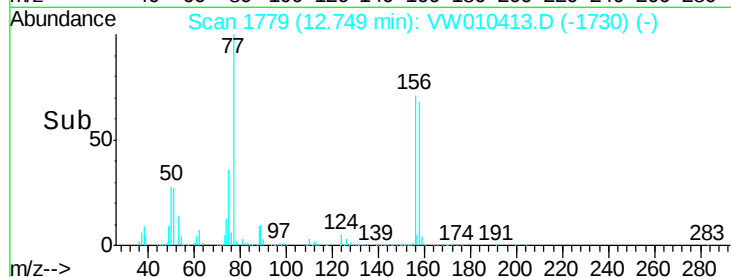
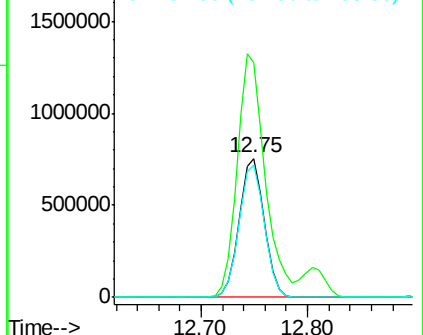
158 96.1 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 93.352 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010413.D

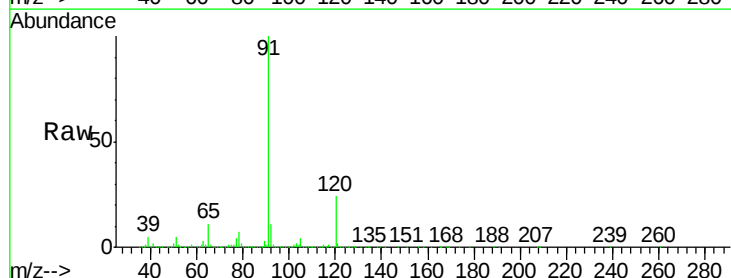
Acq: 16 May 2019 20:29

Tgt Ion: 91 Resp: 6317729

Ion Ratio Lower Upper

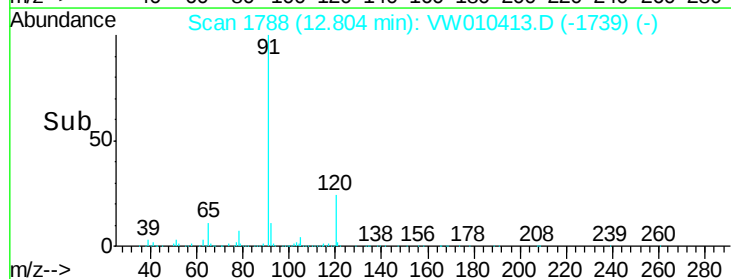
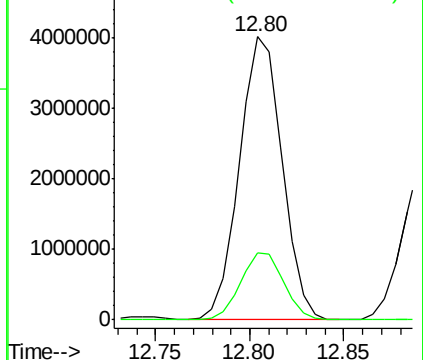
91 100

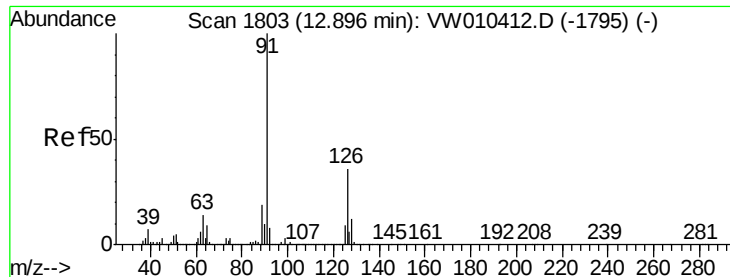
120 24.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 95.021 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

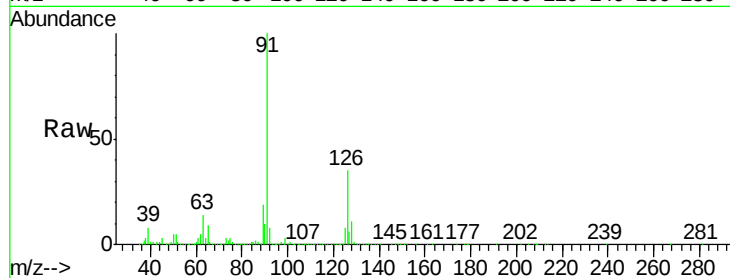
VSTDIC100

Tot Ion: 91 Resp: 3701216

Ion Ratio Lower Upper

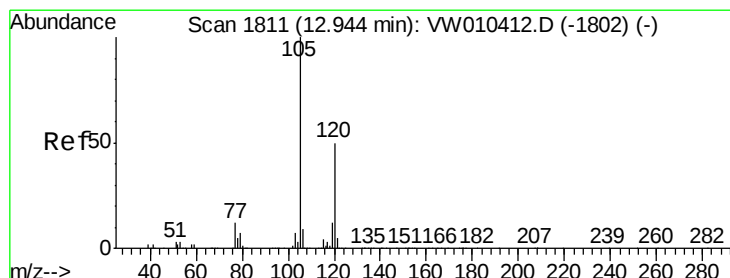
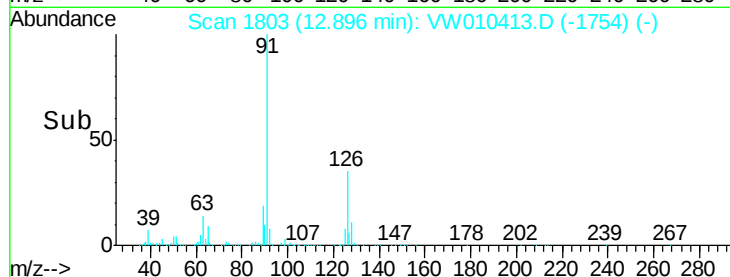
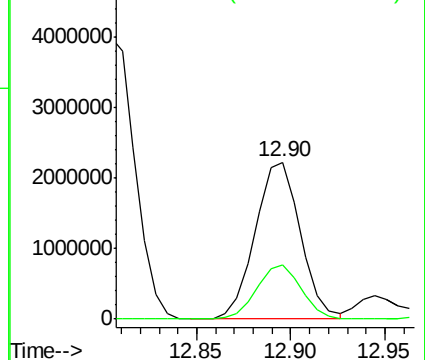
91 100

126 33.9 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 98.787 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010413.D

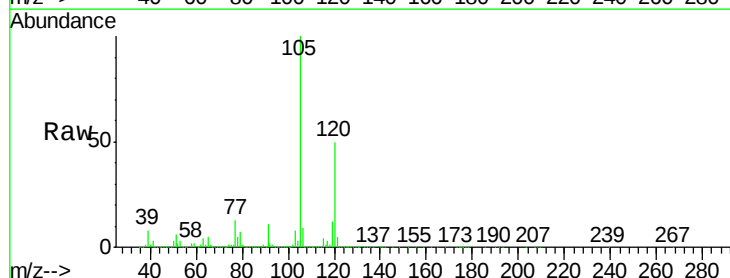
Acq: 16 May 2019 20:29

Tgt Ion: 105 Resp: 4620150

Ion Ratio Lower Upper

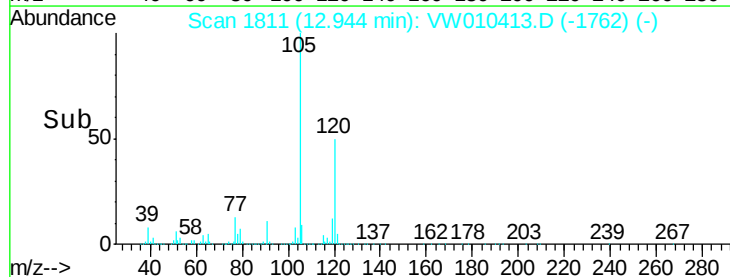
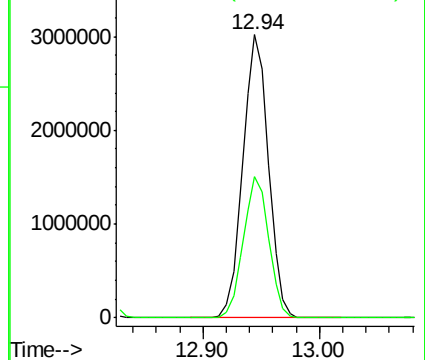
105 100

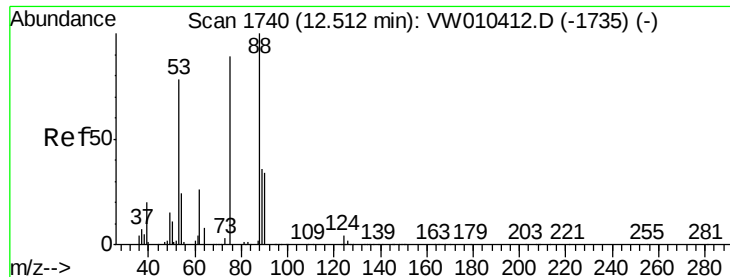
120 49.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 103.817 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

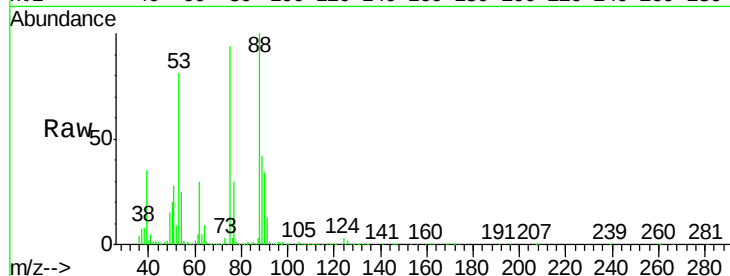
Tot Ion: 75 Resp: 410297

Ion Ratio Lower Upper

75 100

53 86.5 71.0 106.6

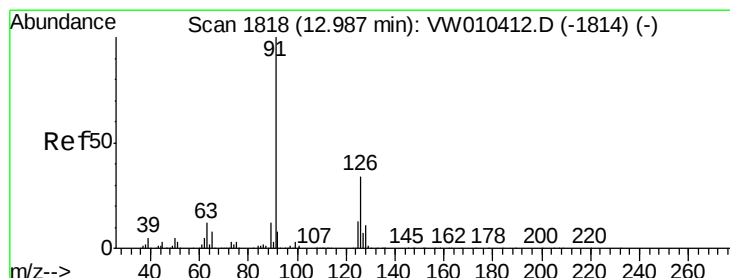
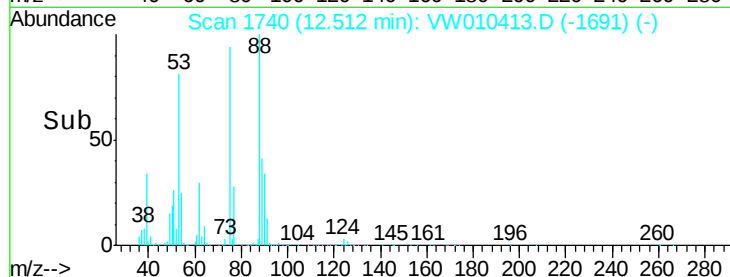
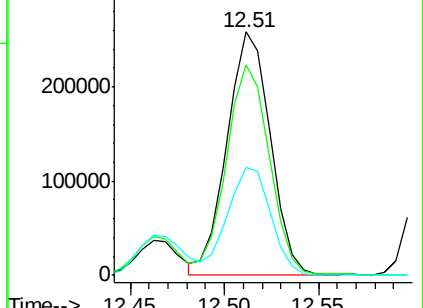
89 44.6 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 95.597 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010413.D

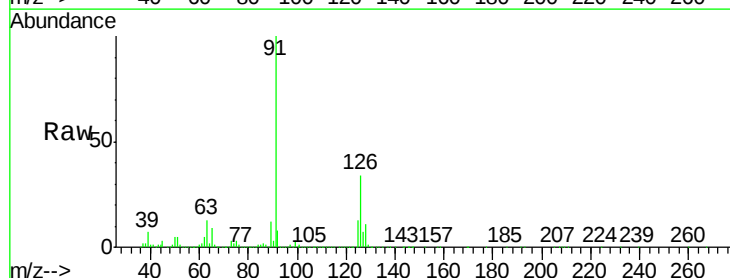
Acq: 16 May 2019 20:29

Tgt Ion: 91 Resp: 3897793

Ion Ratio Lower Upper

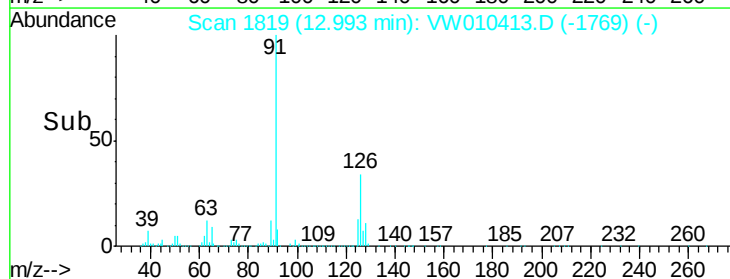
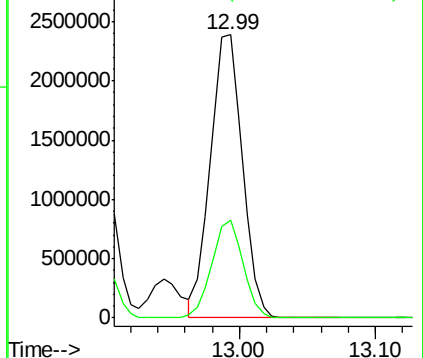
91 100

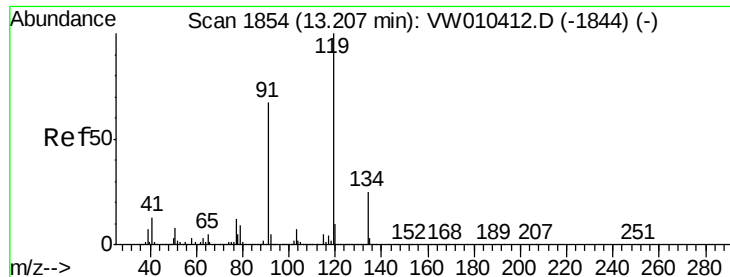
126 33.9 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

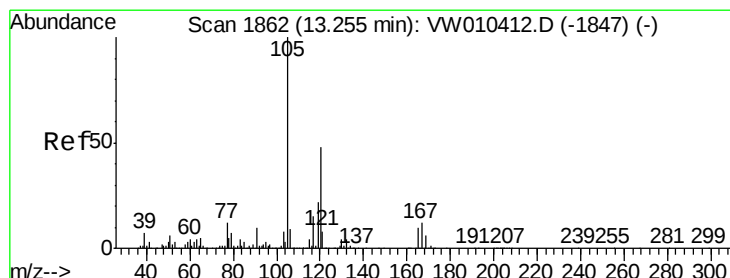
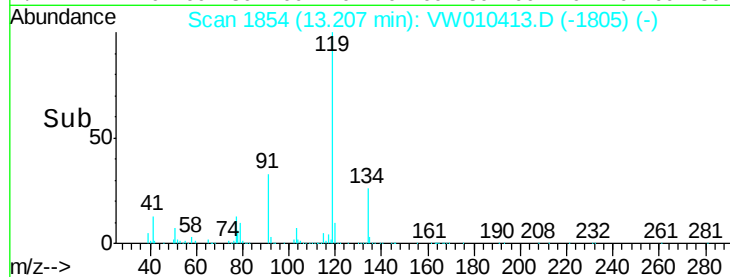
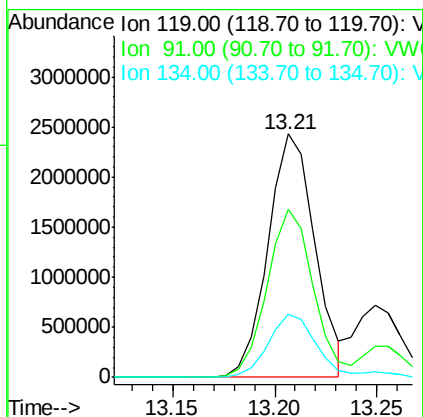
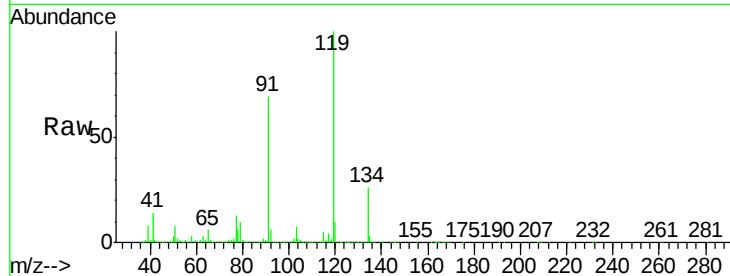




#83
tert-Butylbenzene
Concen: 99.647 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

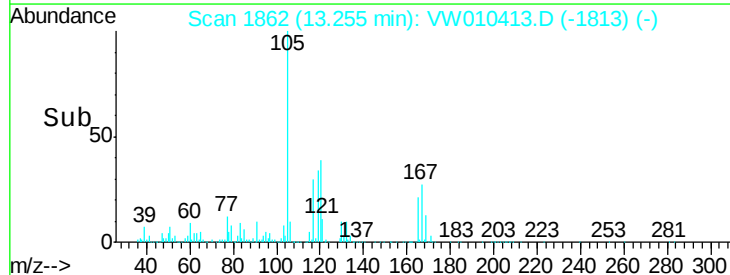
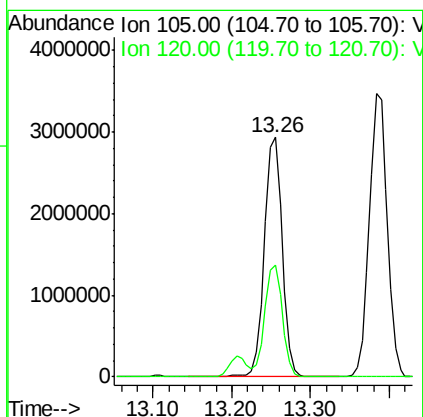
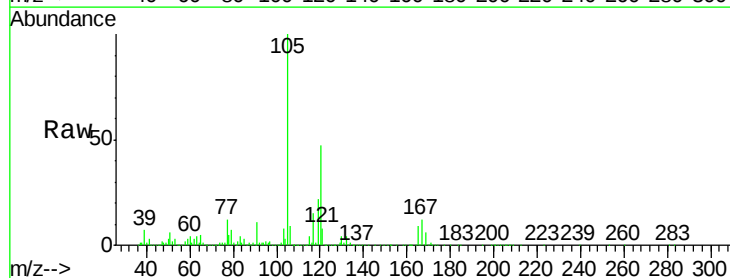
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

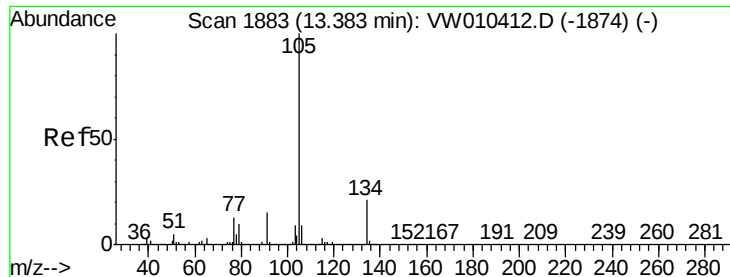
Tot Ion:119 Resp: 3901575
Ion Ratio Lower Upper
119 100
91 68.1 33.8 101.4
134 27.6 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 99.032 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion:105 Resp: 4611783
Ion Ratio Lower Upper
105 100
120 46.2 23.4 70.0





#85

sec-Butylbenzene

Concen: 95.772 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

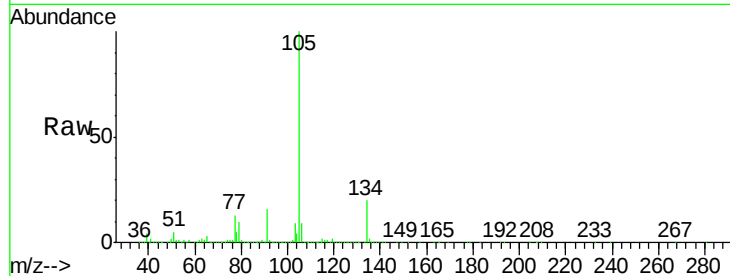
VSTDIC100

Tot Ion:105 Resp: 5486414

Ion Ratio Lower Upper

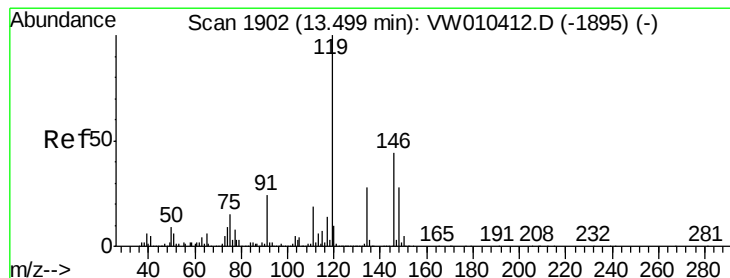
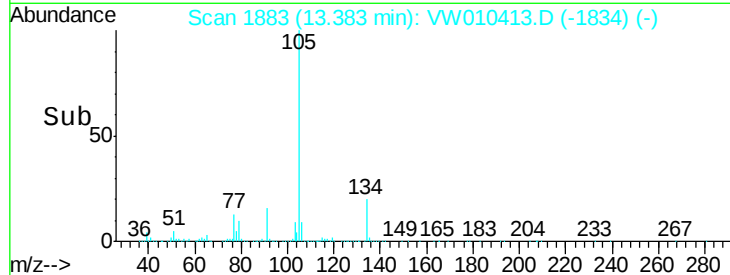
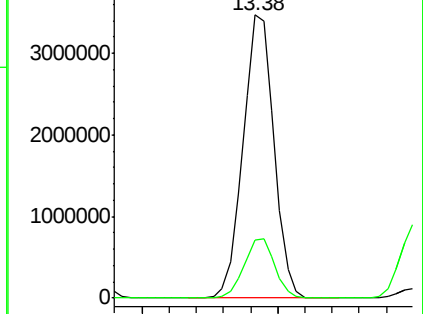
105 100

134 20.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 97.732 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

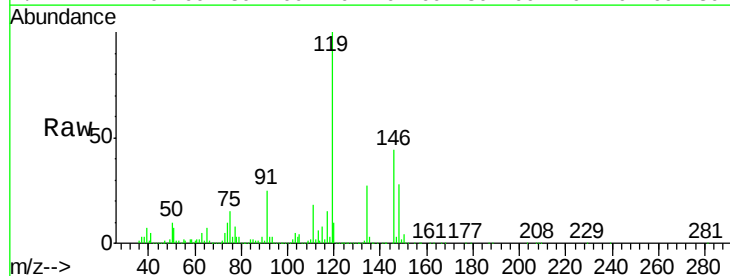
Tgt Ion:119 Resp: 4981383

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

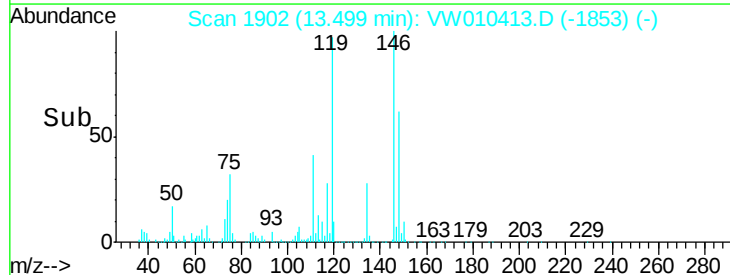
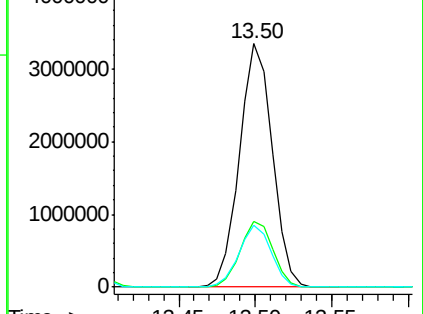
91 24.8 12.2 36.4

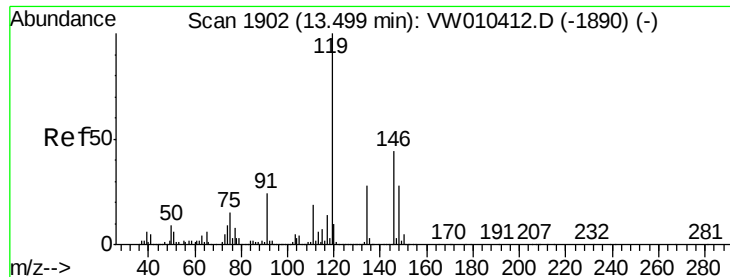


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 95.328 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

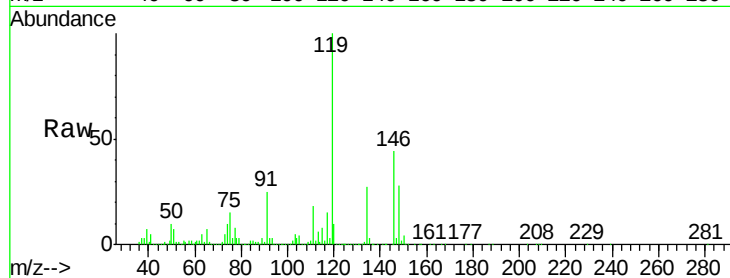
MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 2391595

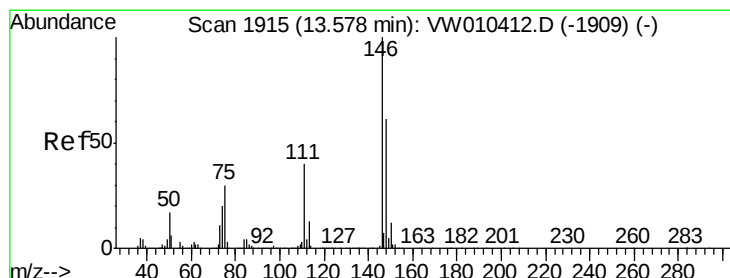
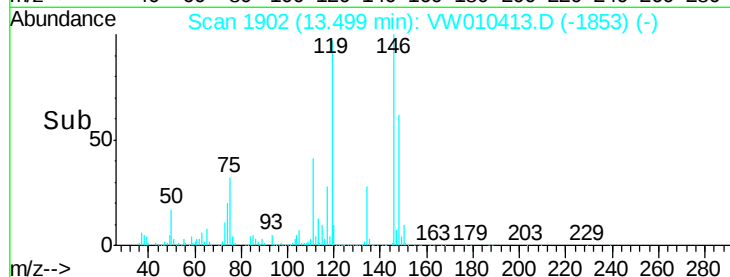
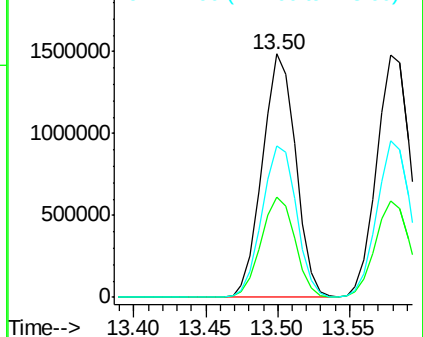
Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.0	63.0
148	64.0	31.7	95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 96.311 ug/l

RT: 13.58 min Scan# 1915

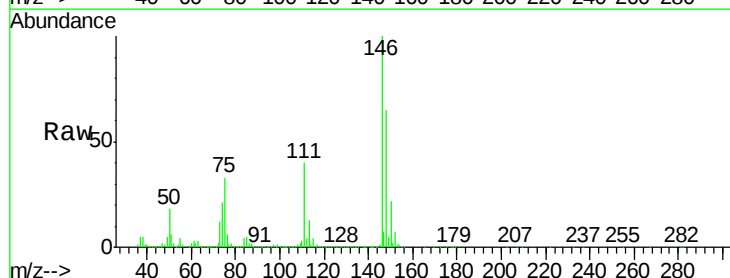
Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Tgt Ion:146 Resp: 2409278

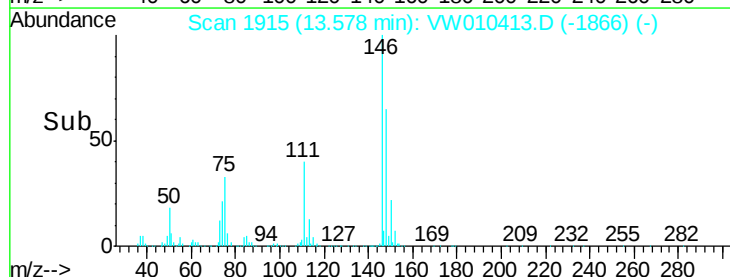
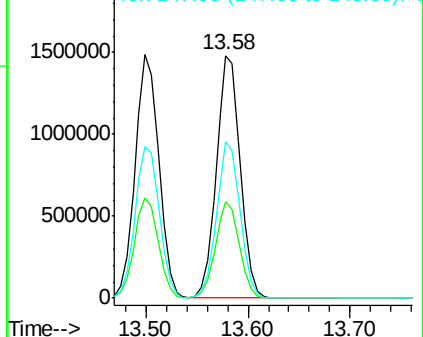
Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.5
148	63.8	31.6	94.7

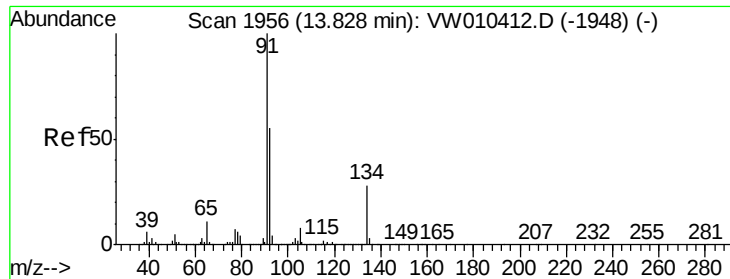


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

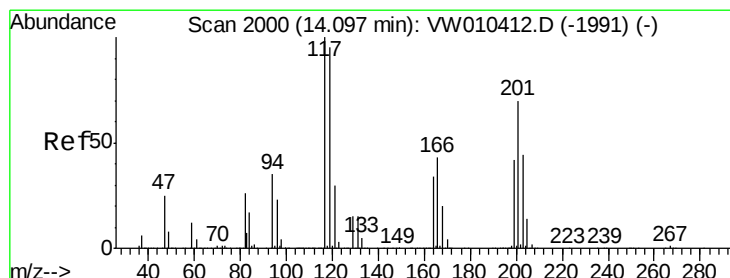
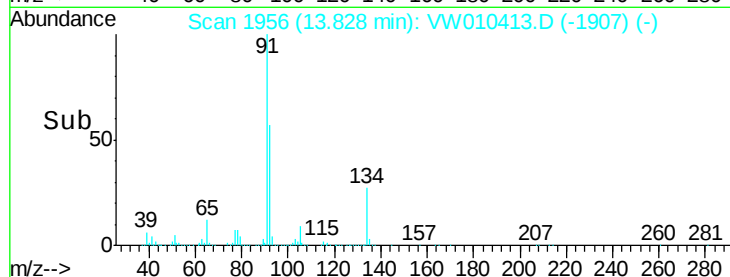
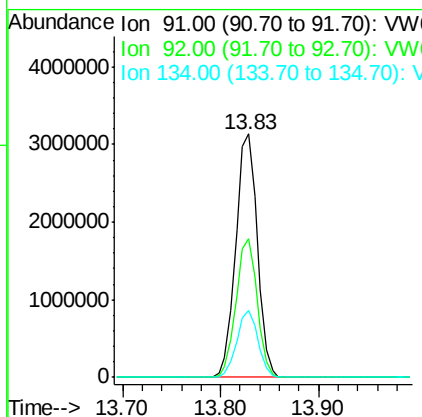
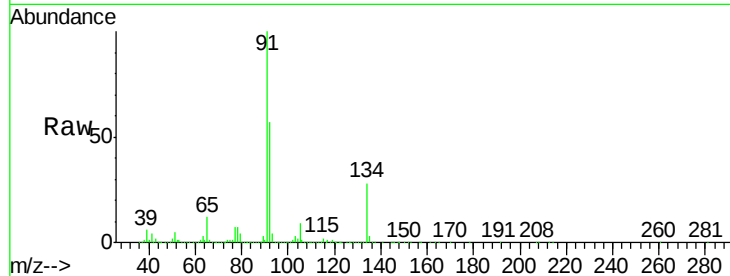




#89
n-Butylbenzene
Concen: 94.522 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

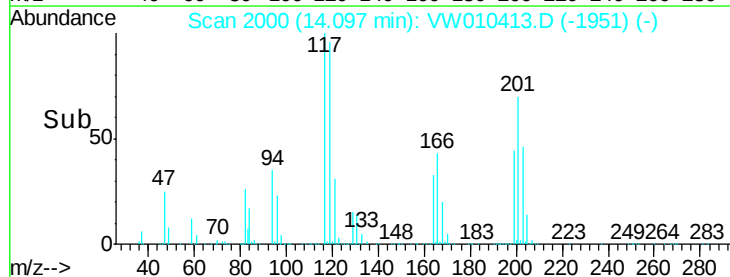
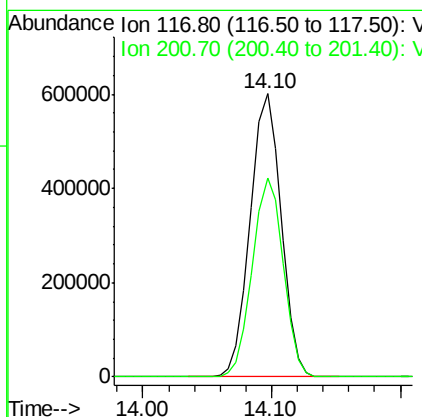
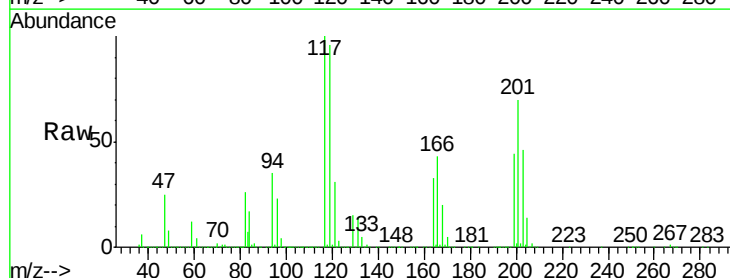
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

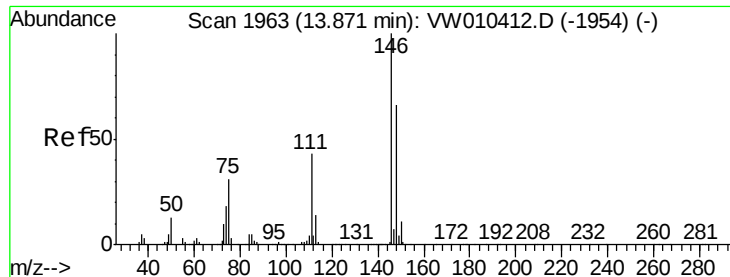
Tot Ion: 91 Resp: 4795566
Ion Ratio Lower Upper
91 100
92 55.9 27.9 83.6
134 27.0 13.8 41.4



#90
Hexachloroethane
Concen: 102.881 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion: 117 Resp: 995076
Ion Ratio Lower Upper
117 100
201 70.5 34.8 104.5





#91

1,2-Dichlorobenzene

Concen: 98.340 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

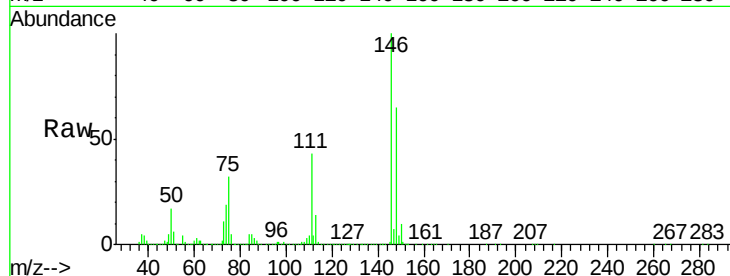
Tot Ion:146 Resp: 2201447

Ion Ratio Lower Upper

146 100

111 43.2 21.4 64.3

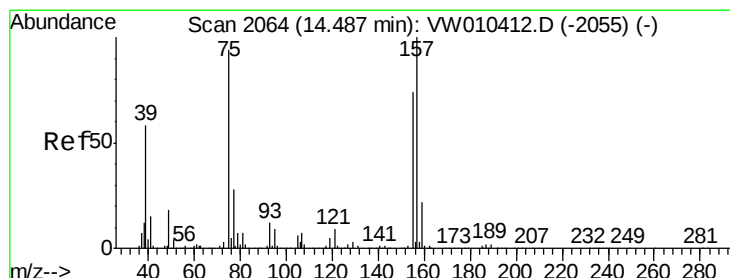
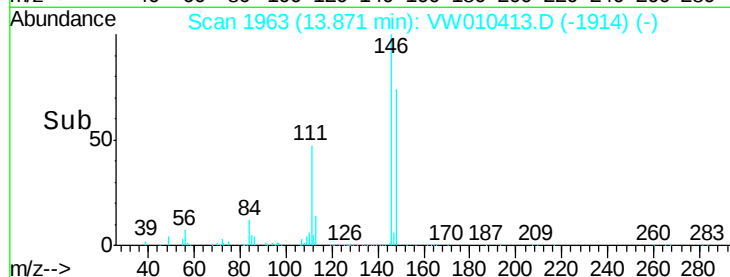
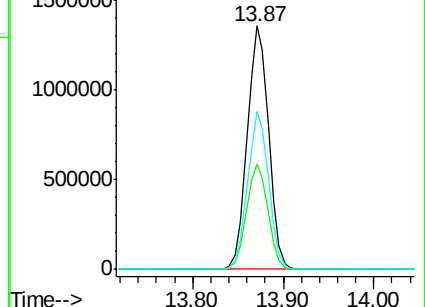
148 63.9 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 91.804 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010413.D

Acq: 16 May 2019 20:29

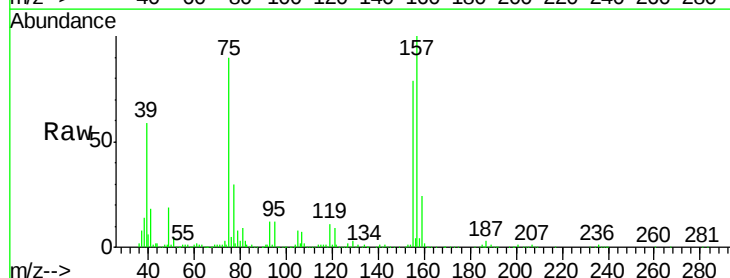
Tgt Ion: 75 Resp: 202897

Ion Ratio Lower Upper

75 100

155 90.2 43.6 130.9

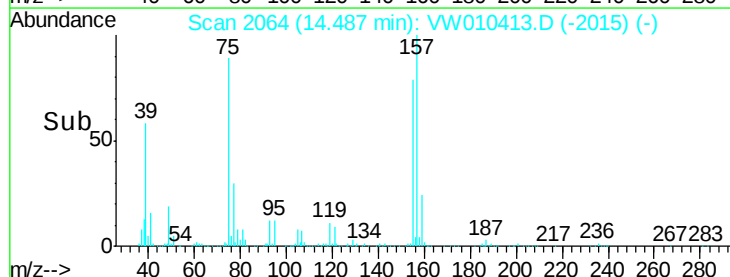
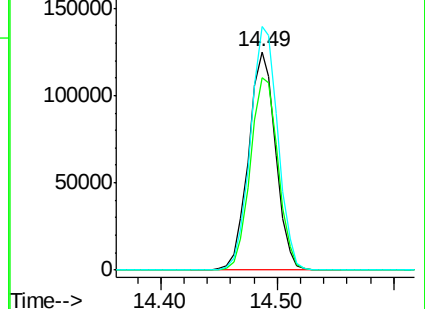
157 113.1 56.9 170.7

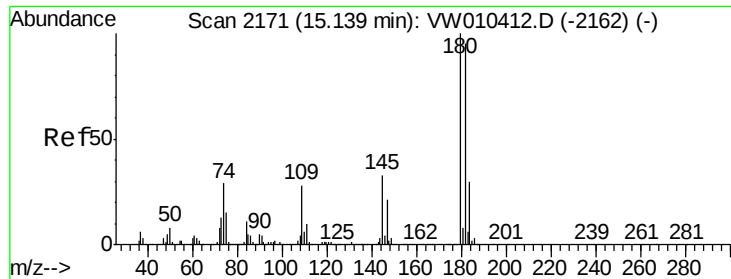


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

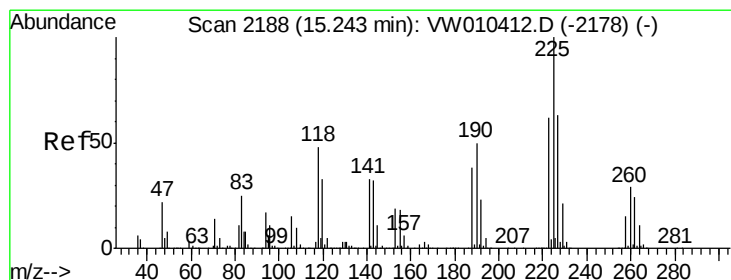
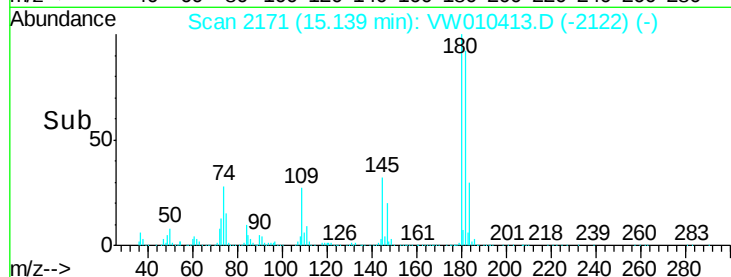
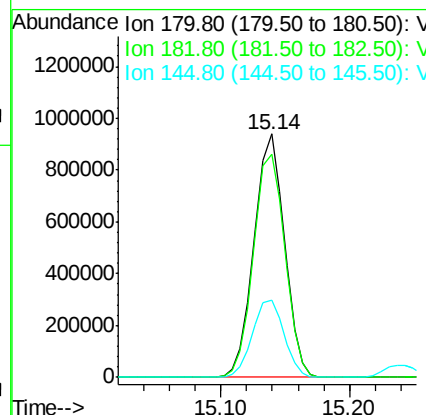
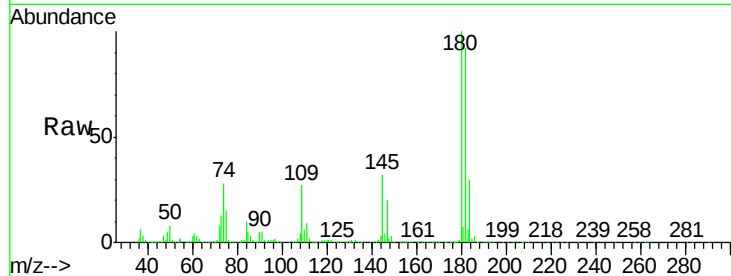




#93
 1,2,4-Trichlorobenzene
 Concen: 100.974 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010413.D
 Acq: 16 May 2019 20:29

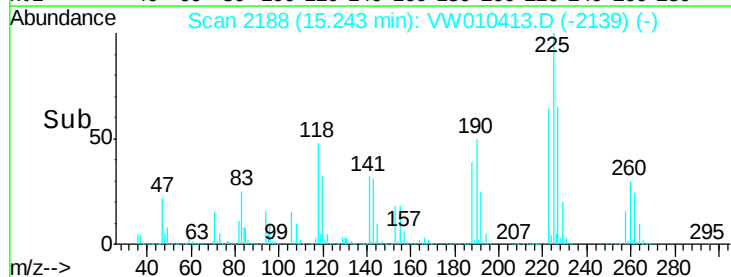
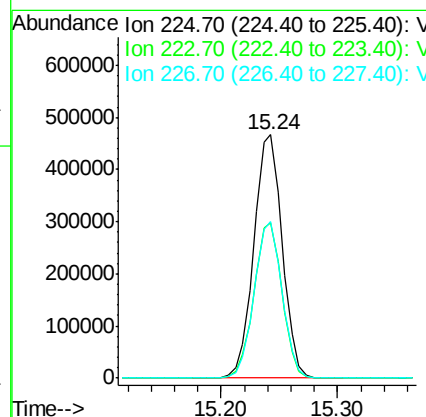
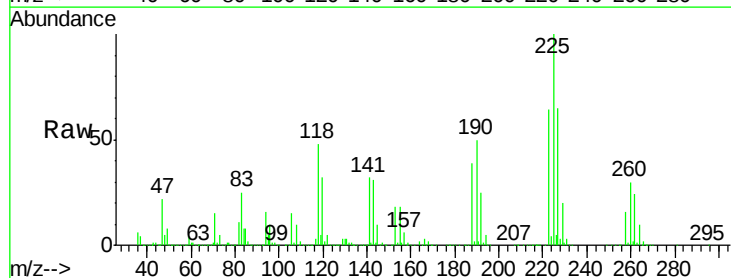
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

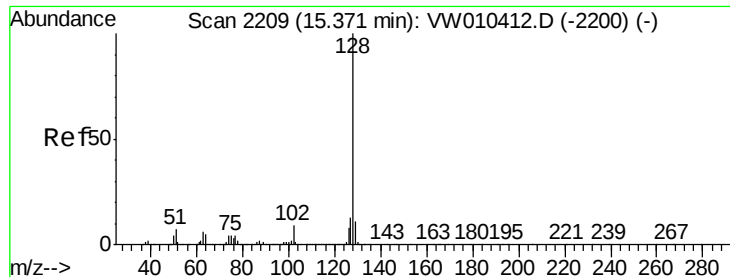
Tot Ion:180 Resp: 1535959
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.2 144.6
 145 33.0 16.8 50.3



#94
 Hexachlorobutadiene
 Concen: 84.053 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010413.D
 Acq: 16 May 2019 20:29

Tgt Ion:225 Resp: 793757
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.8 95.3
 227 63.3 31.6 95.0

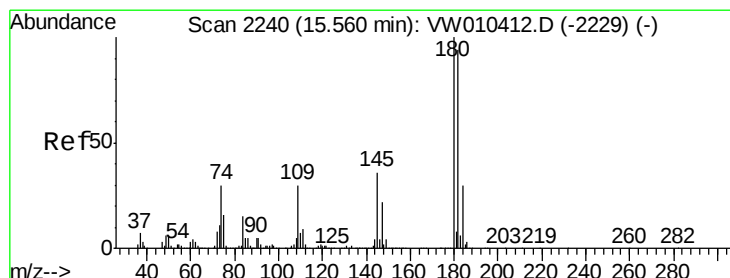
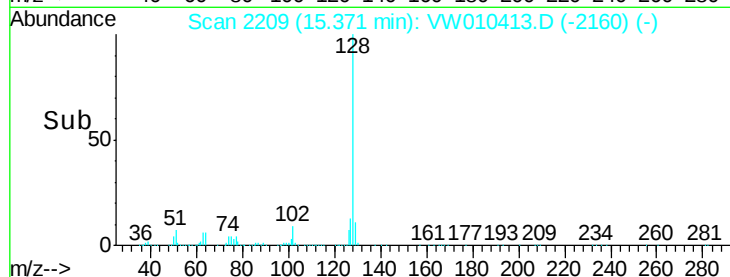
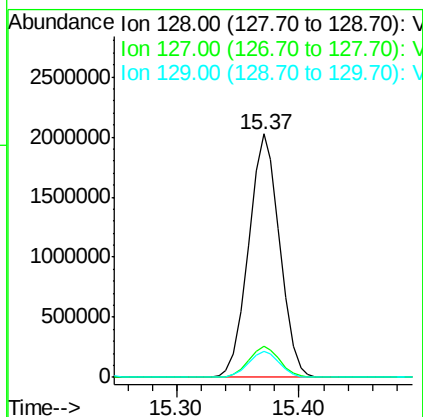
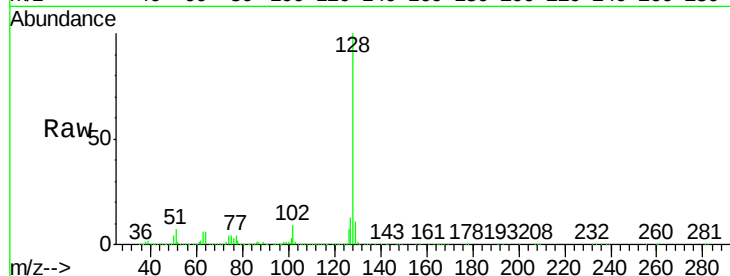




#95
Naphthalene
Concen: 112.499 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 3562638
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 101.311 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010413.D
Acq: 16 May 2019 20:29

Tgt Ion:180 Resp: 1396242
Ion Ratio Lower Upper
180 100
182 94.7 47.3 141.9
145 34.5 17.6 52.8

