

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010449.D
 Acq On : 20 May 2019 15:36
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: May 21 06:28:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	147628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	258682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	16298	10.25	ug/l	0.00
Spiked Amount			Recovery	=	20.50%	
35) Dibromofluoromethane	7.88	113	16301	10.28	ug/l	0.00
Spiked Amount			Recovery	=	20.56%	
50) Toluene-d8	10.32	98	64287	10.84	ug/l	0.00
Spiked Amount			Recovery	=	21.68%	
62) 4-Bromofluorobenzene	12.62	95	25264	10.84	ug/l	0.00
Spiked Amount			Recovery	=	21.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	12412	9.816	ug/l	96
3) Chloromethane	2.21	50	15172	8.893	ug/l	95
4) Vinyl Chloride	2.35	62	17438	9.696	ug/l	98
5) Bromomethane	2.75	94	12762	12.135	ug/l	99
6) Chloroethane	2.91	64	11334	10.069	ug/l	97
7) Trichlorofluoromethane	3.25	101	26482	10.583	ug/l	97
8) Diethyl Ether	3.68	74	8450	9.669	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16865	10.656	ug/l	98
10) Methyl Iodide	4.27	142	16579	9.248	ug/l	99
11) Tert butyl alcohol	5.17	59	7569	52.693	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	15736	10.487	ug/l	96
13) Acrolein	3.90	56	5642	52.470	ug/l	95
14) Allyl chloride	4.67	41	22735	9.895	ug/l	97
15) Acrylonitrile	5.36	53	17796	48.200	ug/l	98
16) Acetone	4.12	43	14692	50.127	ug/l	92
17) Carbon Disulfide	4.37	76	45754	10.514	ug/l	100
18) Methyl Acetate	4.67	43	8005	9.156	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	40309	9.595	ug/l	98
20) Methylene Chloride	4.91	84	25513	14.405	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	17904	10.263	ug/l	94
22) Diisopropyl ether	6.31	45	47076	9.684	ug/l	95
23) Vinyl Acetate	6.26	43	137775	45.839	ug/l	100
24) 1,1-Dichloroethane	6.21	63	27919	9.831	ug/l	97
25) 2-Butanone	7.17	43	22370	46.837	ug/l	96
26) 2,2-Dichloropropane	7.17	77	26988	10.434	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	20024	10.302	ug/l	99
28) Bromochloromethane	7.51	49	10651	10.195	ug/l	99
29) Tetrahydrofuran	7.53	42	15101	46.727	ug/l	98
30) Chloroform	7.68	83	30439	10.181	ug/l	98
31) Cyclohexane	7.95	56	30647	10.685	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	29369	10.397	ug/l	100
36) 1,1-Dichloropropene	8.08	75	24608	10.563	ug/l	100
37) Ethyl Acetate	7.26	43	10143	9.314	ug/l	99
38) Carbon Tetrachloride	8.07	117	26279	10.451	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32875	10.534	ug/l	97
40) Benzene	8.32	78	68114	10.275	ug/l	97
41) Methacrylonitrile	7.48	41	5611	8.843	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19406	9.932	ug/l	100
43) Isopropyl Acetate	8.42	43	20011	9.077	ug/l	98
44) Trichloroethene	9.09	130	20381	10.692	ug/l	96
45) 1,2-Dichloropropane	9.37	63	15839	9.845	ug/l	97
46) Dibromomethane	9.46	93	9336	9.861	ug/l	99
47) Bromodichloromethane	9.65	83	23374	9.890	ug/l	95
48) Methyl methacrylate	9.44	41	10065	9.877	ug/l	89
49) 1,4-Dioxane	9.45	88	3250	231.919	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	52163	46.190	ug/l	99
52) Toluene	10.39	92	45675	10.376	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	23599	9.719	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	27433	9.936	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	13211	9.674	ug/l	95
56) Ethyl methacrylate	10.65	69	18599	9.753	ug/l	98
57) 1,3-Dichloropropane	10.93	76	22601	9.860	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	42711	48.094	ug/l	99
59) 2-Hexanone	10.97	43	38075	48.268	ug/l	100
60) Dibromochloromethane	11.13	129	16562	9.748	ug/l	99
61) 1,2-Dibromoethane	11.24	107	13461	9.706	ug/l	98
64) Tetrachloroethene	10.86	164	16071	10.555	ug/l	93
65) Chlorobenzene	11.66	112	49123	10.494	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	17984	10.420	ug/l	99
67) Ethyl Benzene	11.73	91	88388	10.689	ug/l	99
68) m/p-Xylenes	11.84	106	68994	21.306	ug/l	99
69) o-Xylene	12.17	106	32663	10.602	ug/l	99
70) Styrene	12.18	104	54402	10.272	ug/l	99
71) Bromoform	12.35	173	9223	9.616	ug/l #	99
73) Isopropylbenzene	12.47	105	89190	10.734	ug/l	100
74) N-amyl acetate	12.27	43	20247	9.732	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	16835	10.450	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	20885	18.595	ug/l #	1
77) Bromobenzene	12.75	156	19393	10.359	ug/l	93
78) n-propylbenzene	12.80	91	103466	10.763	ug/l	98
79) 2-Chlorotoluene	12.90	91	60884	10.854	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	75047	10.637	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	5430	9.541	ug/l	95
82) 4-Chlorotoluene	12.99	91	62922	10.761	ug/l	99
83) tert-Butylbenzene	13.21	119	64802	10.831	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	75935	10.918	ug/l	98
85) sec-Butylbenzene	13.38	105	92433	10.983	ug/l	100
86) p-Isopropyltoluene	13.50	119	83298	10.930	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39154	10.851	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	38979	10.823	ug/l	94
89) n-Butylbenzene	13.83	91	78700	10.838	ug/l	99
90) Hexachloroethane	14.10	117	15928	10.435	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	35341	10.814	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3372	11.223	ug/l	94

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Response via : Initial Calibration

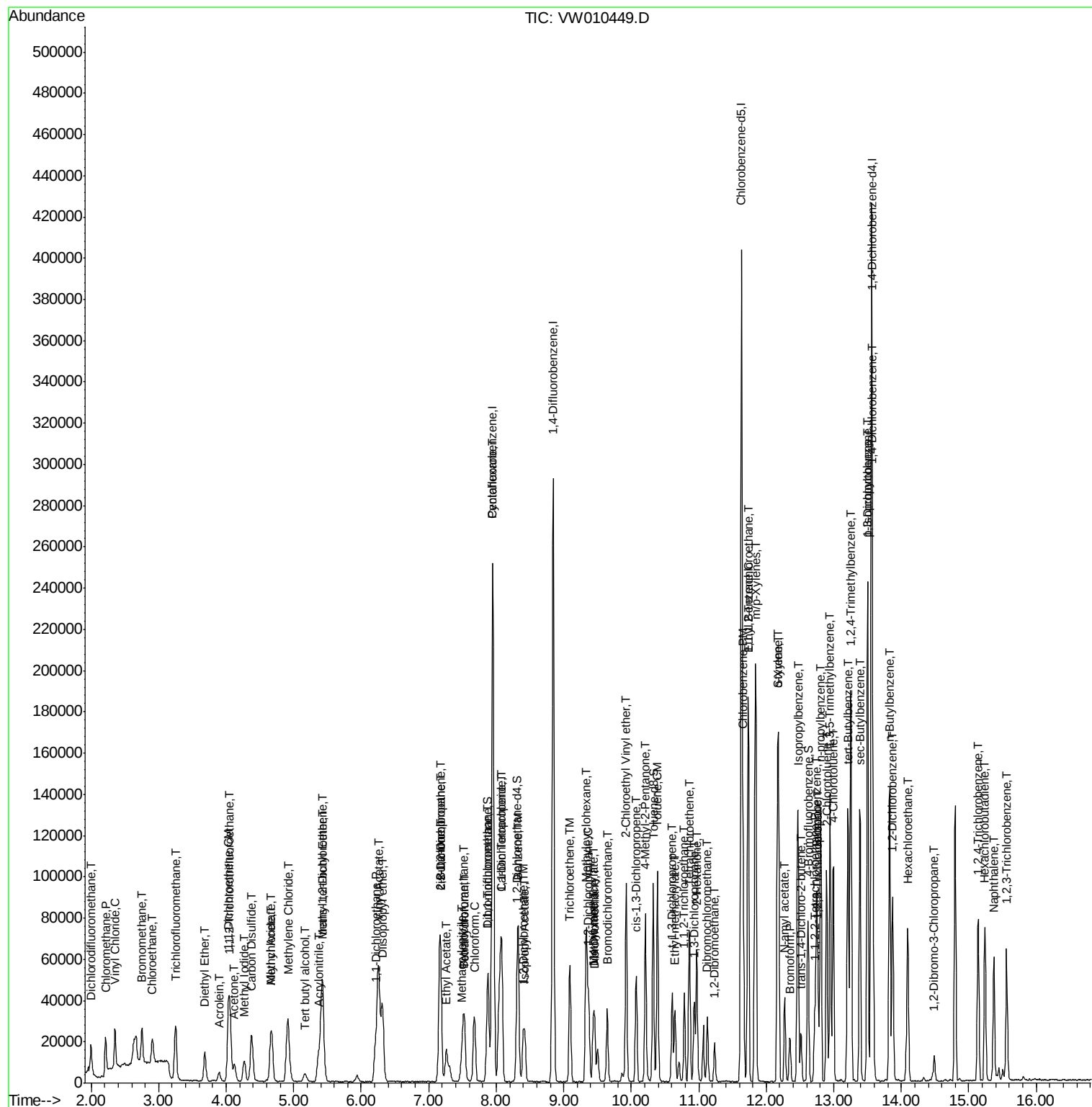
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24133	11.180	ug/l	99
94) Hexachlorobutadiene	15.24	225	12379	10.689	ug/l	96
95) Naphthalene	15.37	128	51478	10.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	21050	11.095	ug/l	97

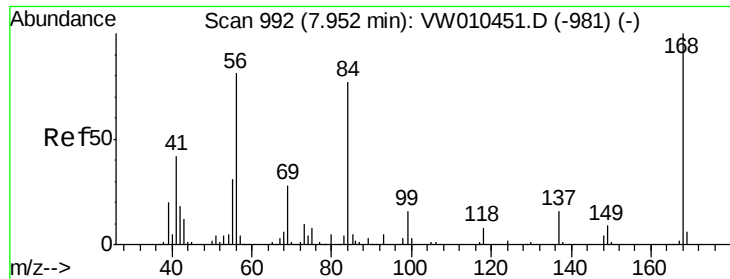
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

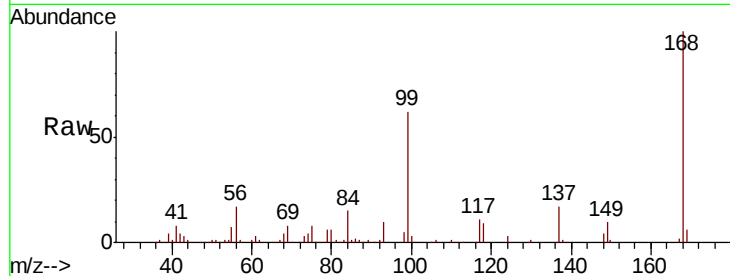
VSTDIC010

Tot Ion:168 Resp: 147628

Ion Ratio Lower Upper

168 100

99 62.1 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

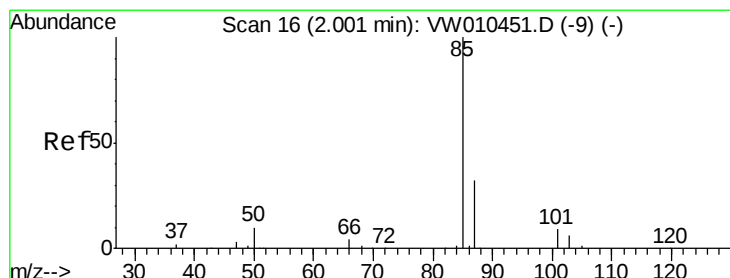
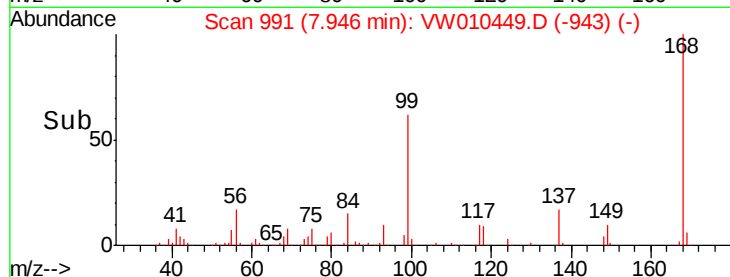
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 9.816 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010449.D

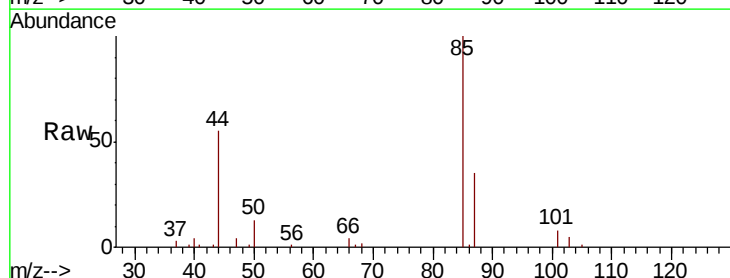
Acq: 20 May 2019 15:36

Tgt Ion: 85 Resp: 12412

Ion Ratio Lower Upper

85 100

87 34.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

6000

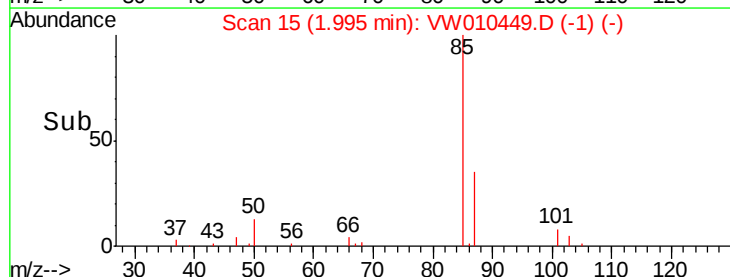
4000

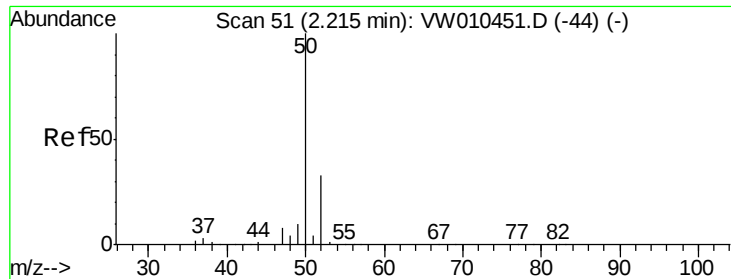
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 8.893 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

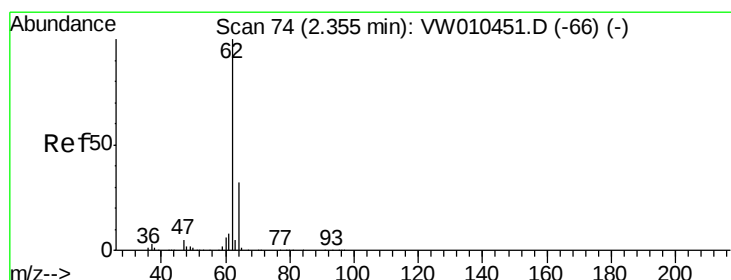
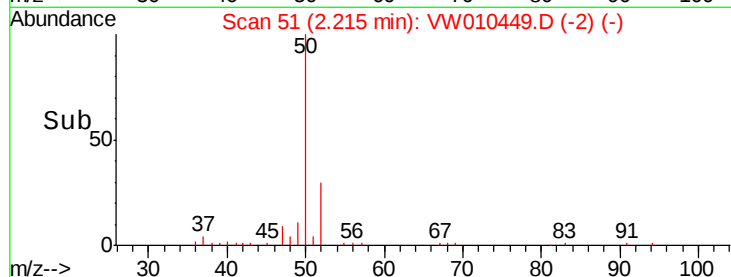
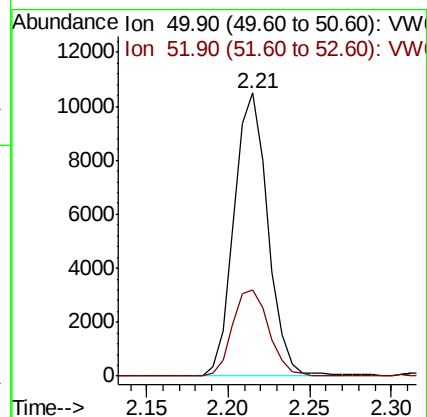
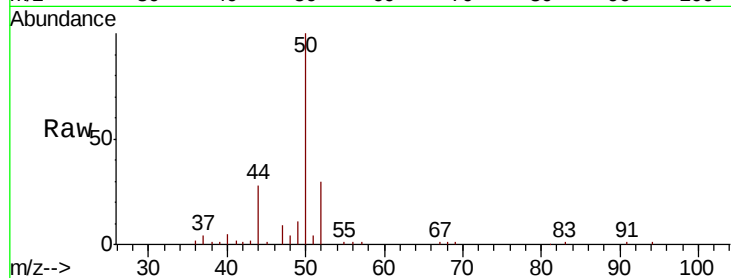
VSTDIC010

Tot Ion: 50 Resp: 15172

Ion Ratio Lower Upper

50 100

52 30.3 26.3 39.5



#4

Vinyl Chloride

Concen: 9.696 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW010449.D

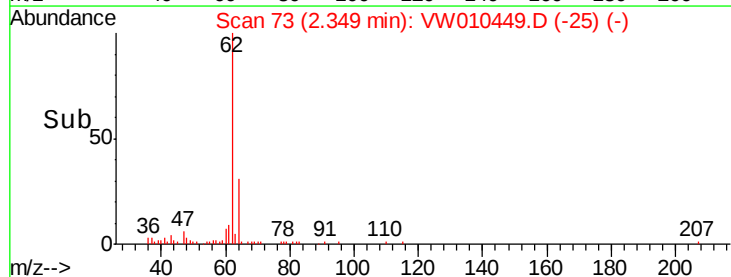
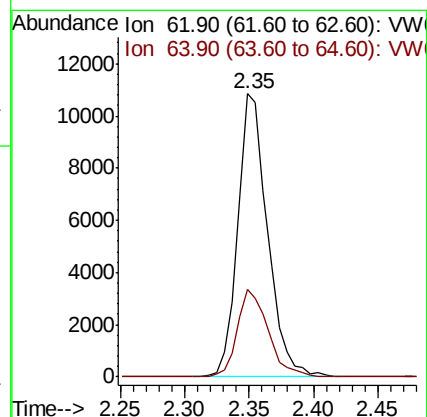
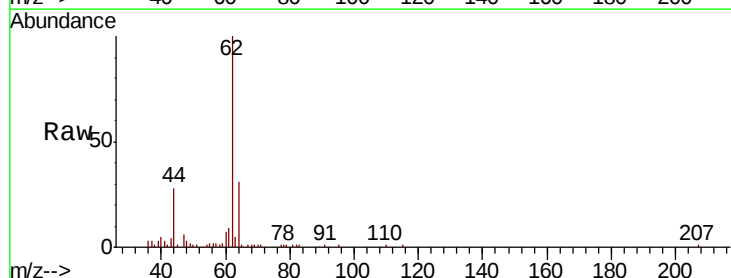
Acq: 20 May 2019 15:36

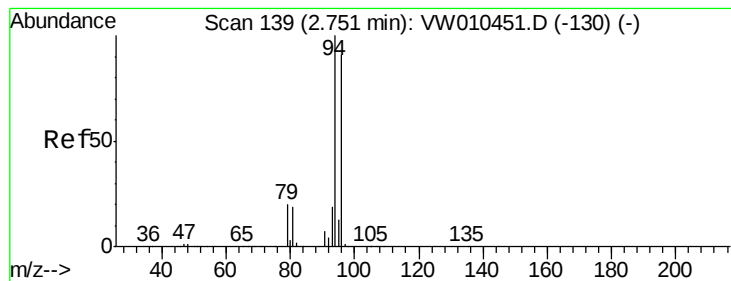
Tgt Ion: 62 Resp: 17438

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8





#5

Bromomethane

Concen: 12.135 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

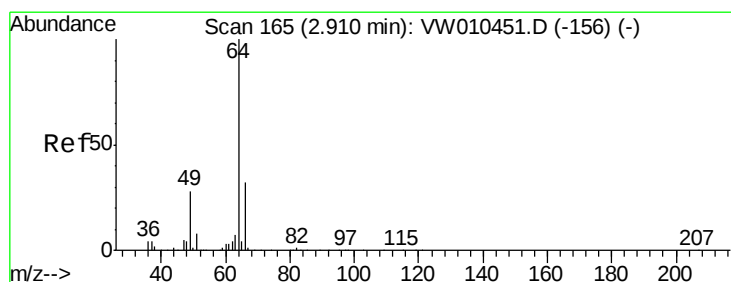
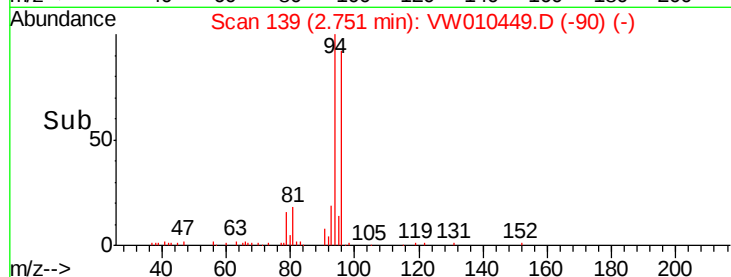
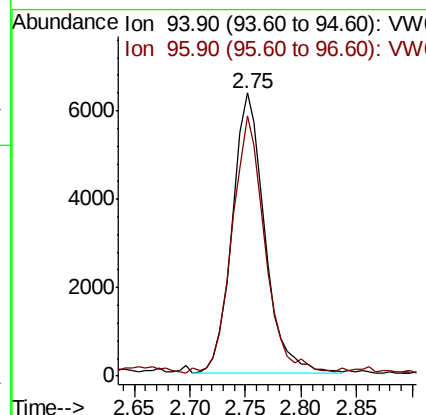
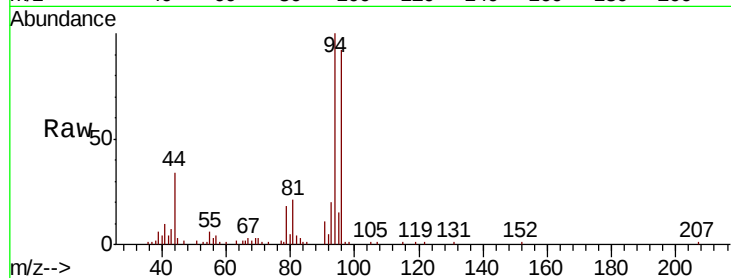
VSTDIC010

Tot Ion: 94 Resp: 12762

Ion Ratio Lower Upper

94 100

96 90.2 72.9 109.3



#6

Chloroethane

Concen: 10.069 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010449.D

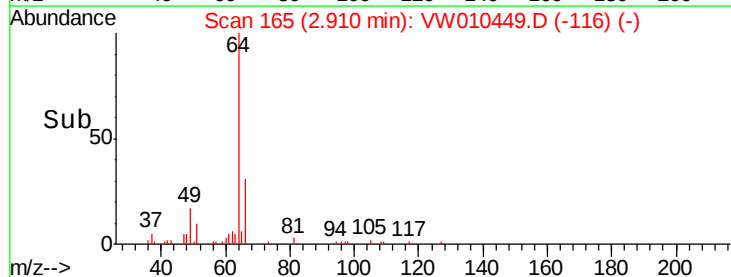
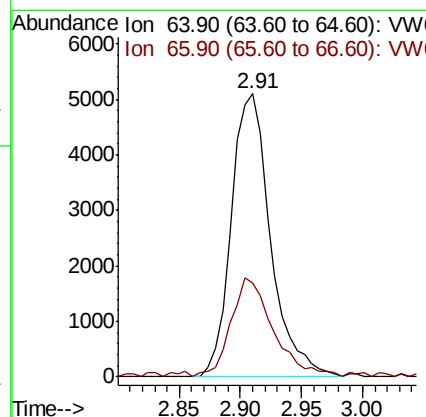
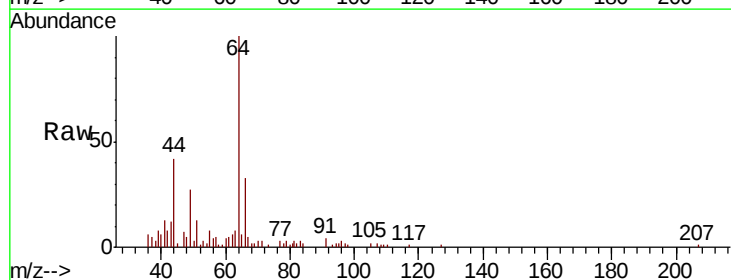
Acq: 20 May 2019 15:36

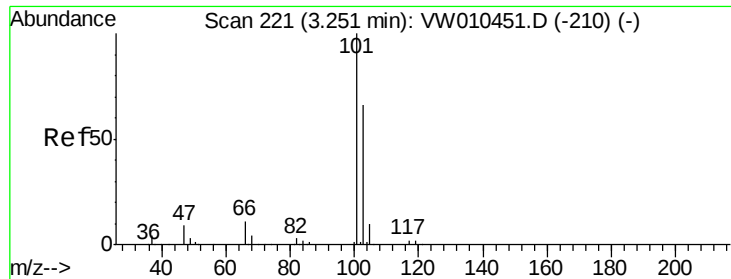
Tgt Ion: 64 Resp: 11334

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3



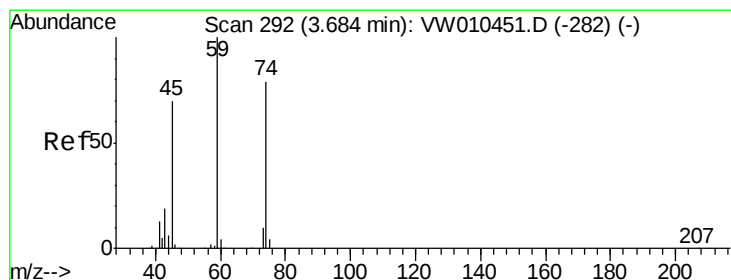
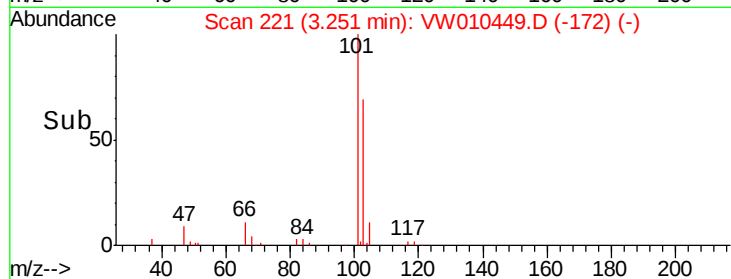
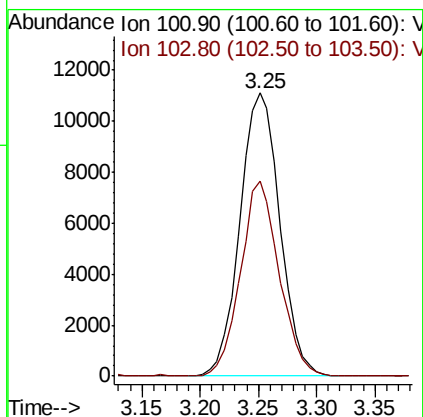
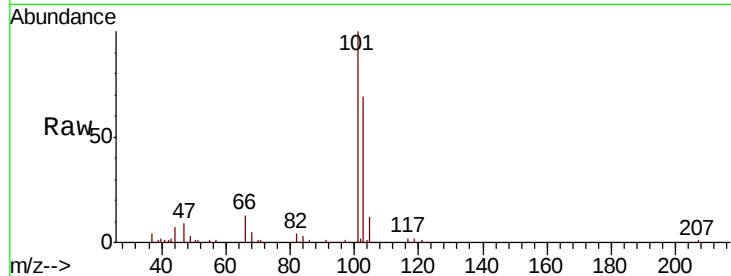


#7

Trichlorofluoromethane
 Concen: 10.583 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010449.D
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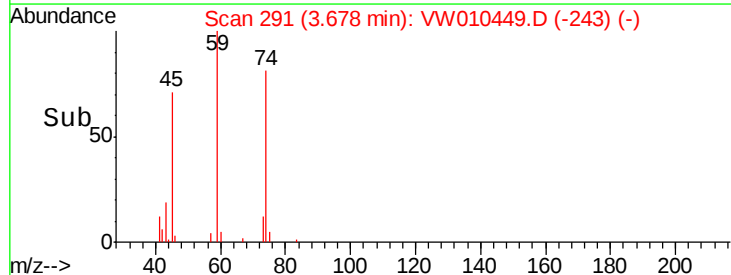
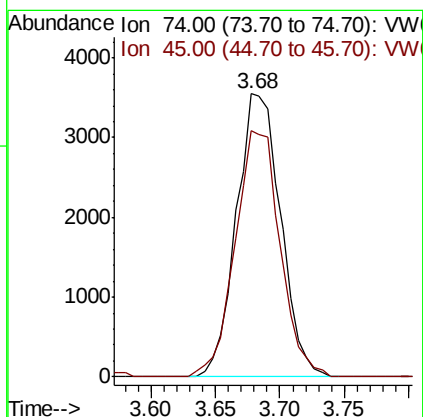
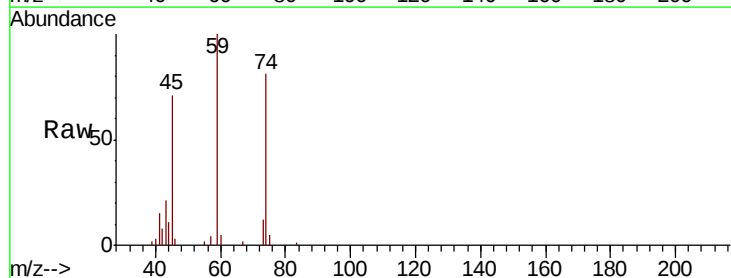
Tot Ion:101 Resp: 26482
 Ion Ratio Lower Upper
 101 100
 103 68.7 53.0 79.4

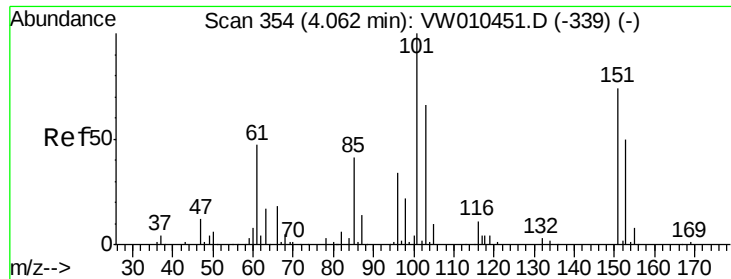


#8

Diethyl Ether
 Concen: 9.669 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion: 74 Resp: 8450
 Ion Ratio Lower Upper
 74 100
 45 88.0 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.656 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010449.D

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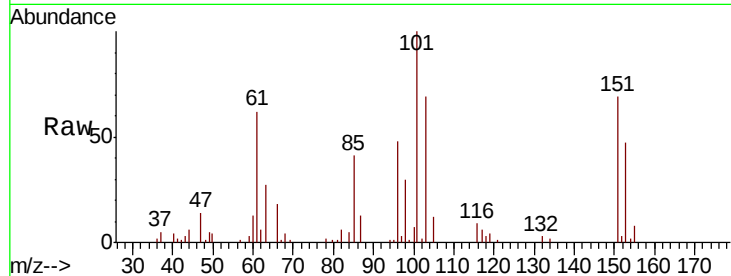
Tot Ion:101 Resp: 16865

Ion Ratio Lower Upper

101 100

85 43.0 34.3 51.5

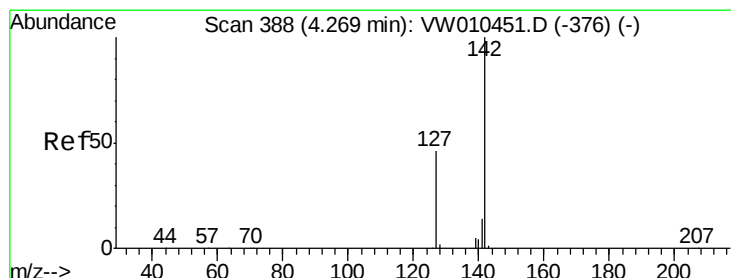
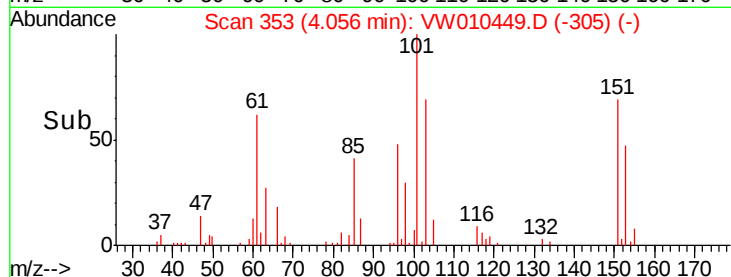
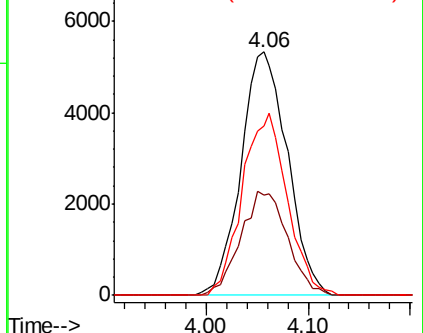
151 72.3 60.3 90.5



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: 9.248 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

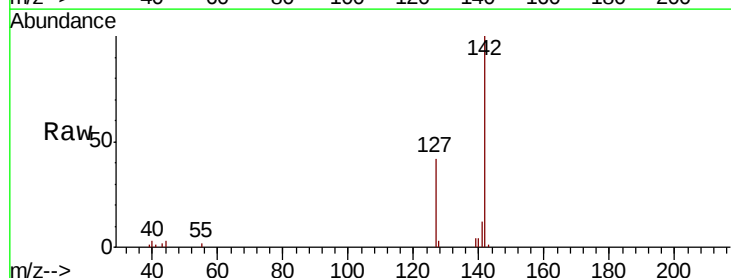
Tgt Ion:142 Resp: 16579

Ion Ratio Lower Upper

142 100

127 45.5 36.1 54.1

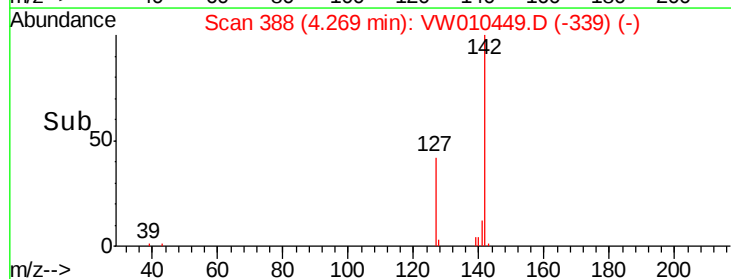
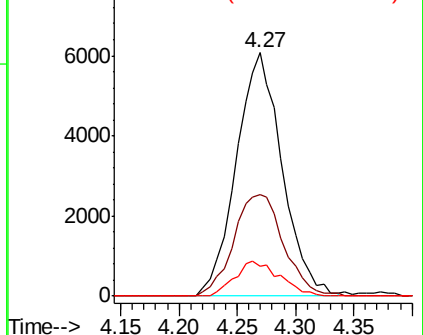
141 14.0 11.3 16.9

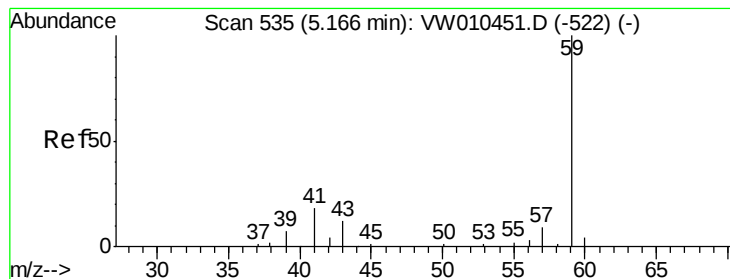


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



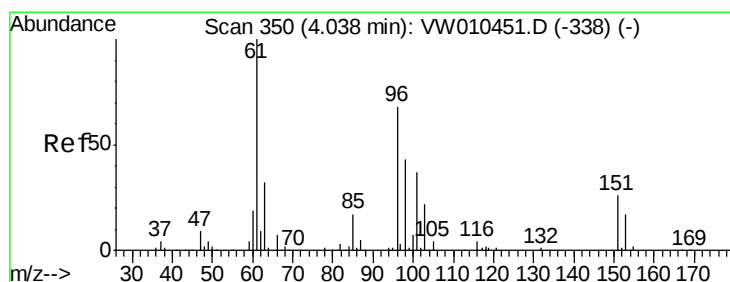
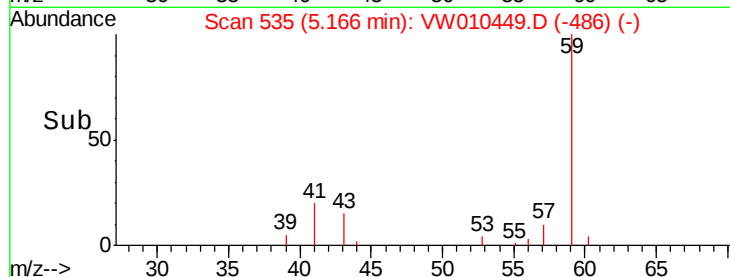
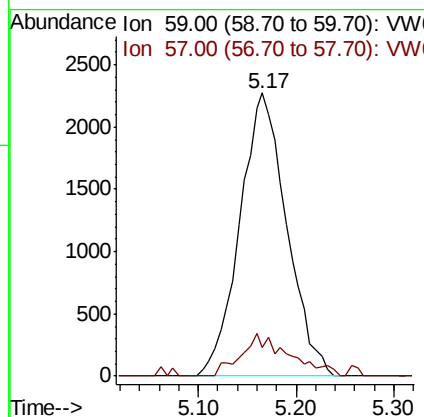
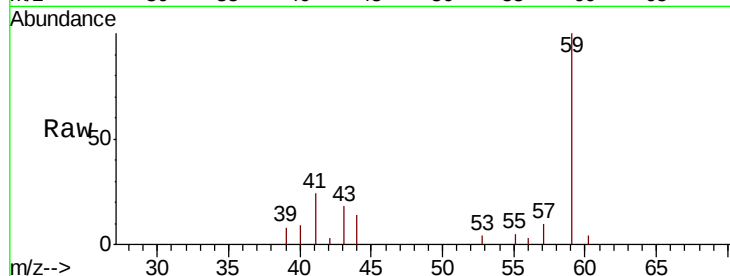


#11

Tert butyl alcohol
 Concen: 52.693 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

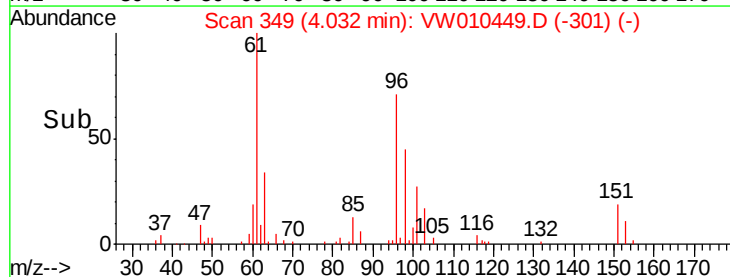
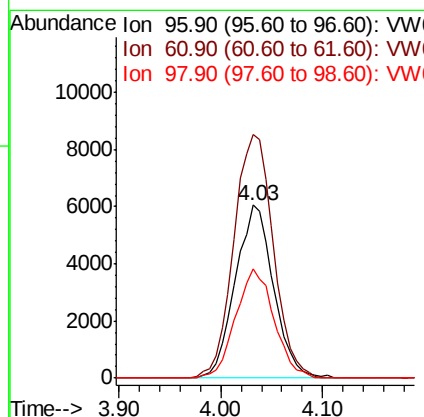
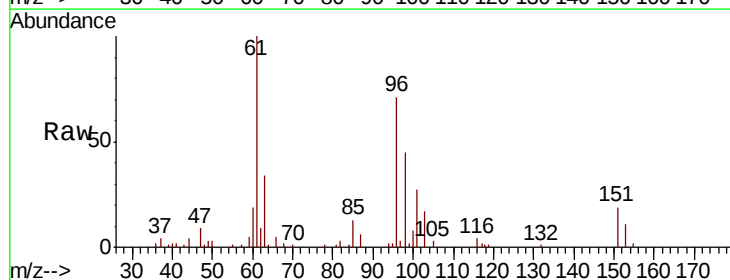
Tot Ion: 59 Resp: 7569
 Ion Ratio Lower Upper
 59 100
 57 15.3 8.8 13.2#

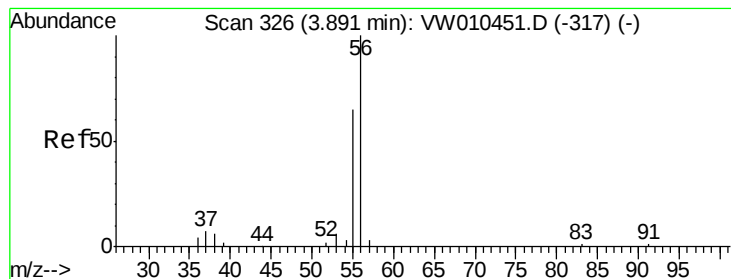


#12

1,1-Dichloroethene
 Concen: 10.487 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion: 96 Resp: 15736
 Ion Ratio Lower Upper
 96 100
 61 140.8 118.3 177.5
 98 63.2 51.0 76.6





#13

Acrolein

Concen: 52.470 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

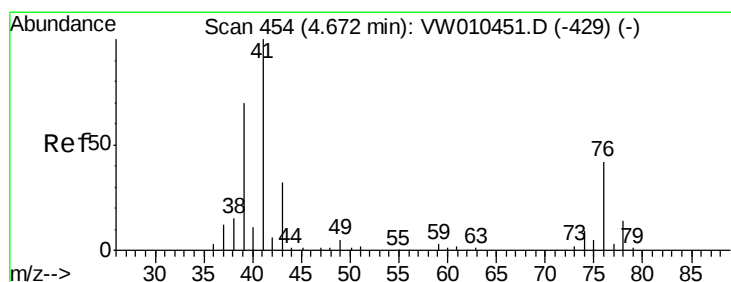
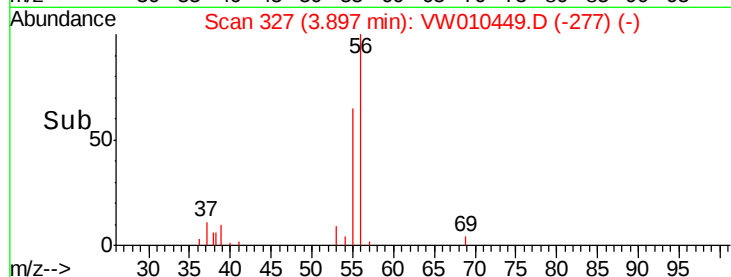
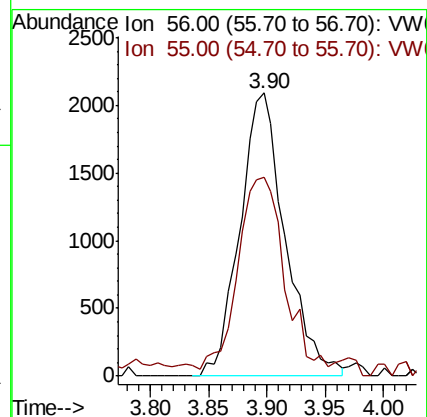
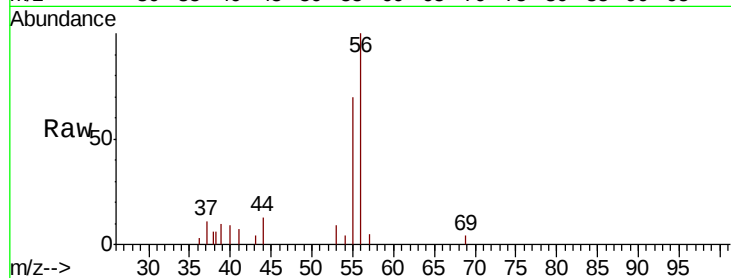
VSTDIC010

Tot Ion: 56 Resp: 5642

Ion Ratio Lower Upper

56 100

55 68.0 57.9 86.9



#14

Allyl chloride

Concen: 9.895 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

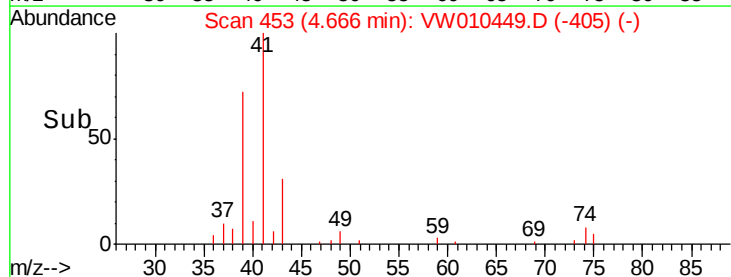
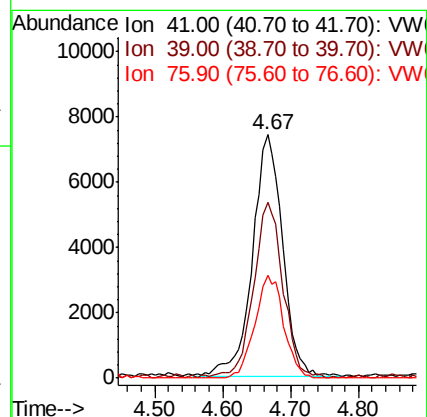
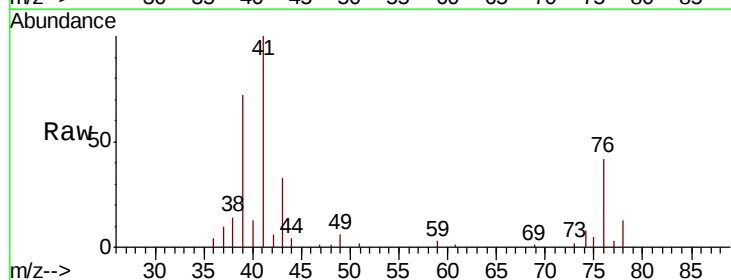
Tgt Ion: 41 Resp: 22735

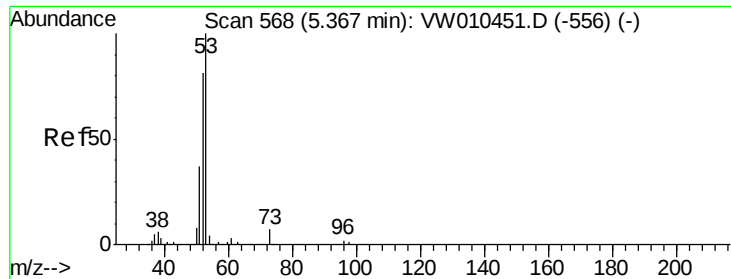
Ion Ratio Lower Upper

41 100

39 72.1 55.0 82.4

76 40.7 32.8 49.2





#15

Acrylonitrile

Concen: 48.200 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

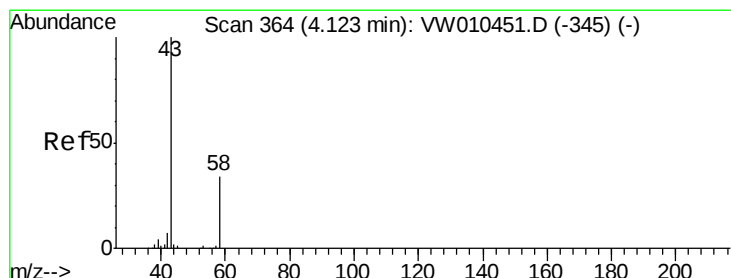
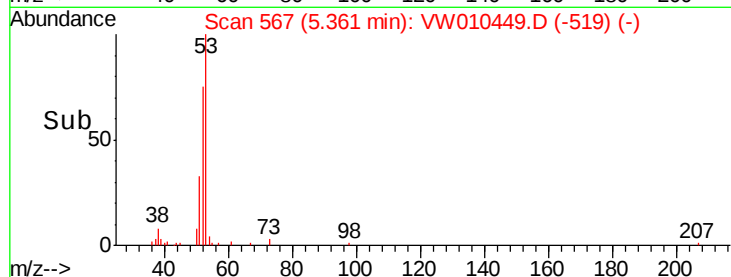
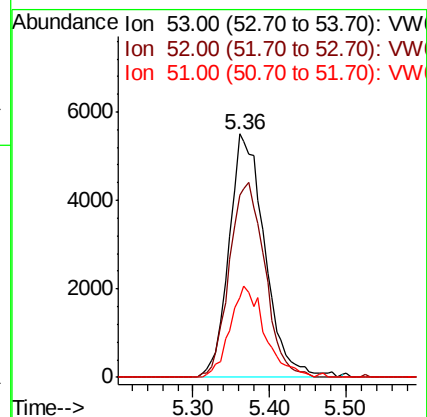
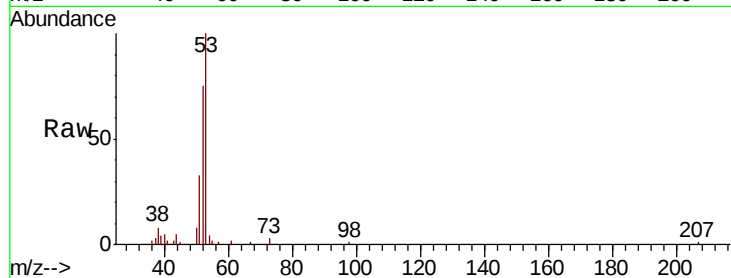
Tot Ion: 53 Resp: 17796

Ion Ratio Lower Upper

53 100

52 79.6 65.6 98.4

51 36.8 29.5 44.3



#16

Acetone

Concen: 50.127 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010449.D

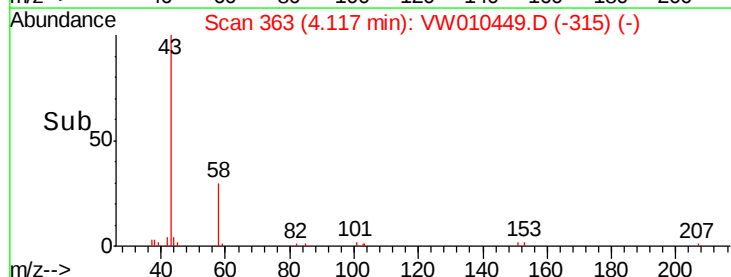
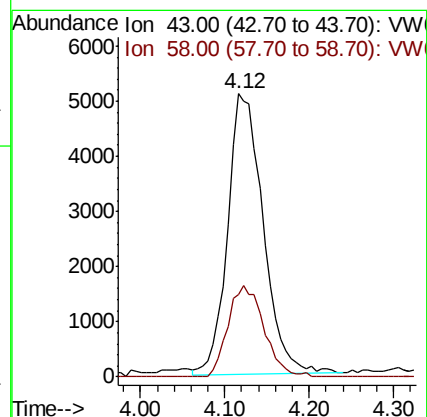
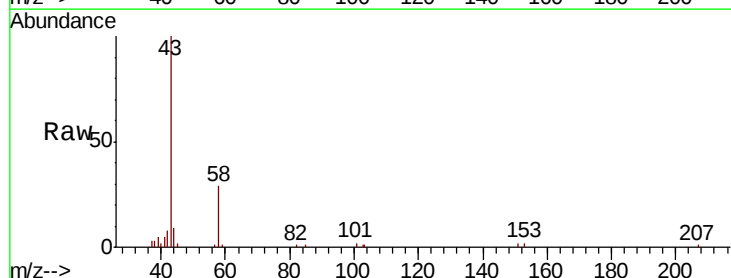
Acq: 20 May 2019 15:36

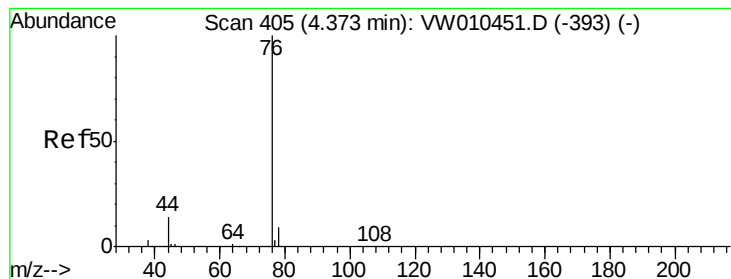
Tgt Ion: 43 Resp: 14692

Ion Ratio Lower Upper

43 100

58 29.4 27.0 40.4





#17

Carbon Disulfide

Concen: 10.514 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

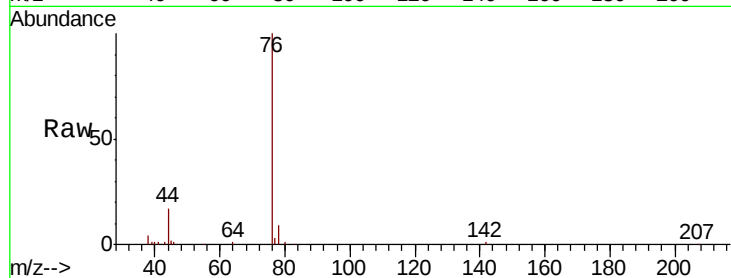
VSTDIC010

Tot Ion: 76 Resp: 45754

Ion Ratio Lower Upper

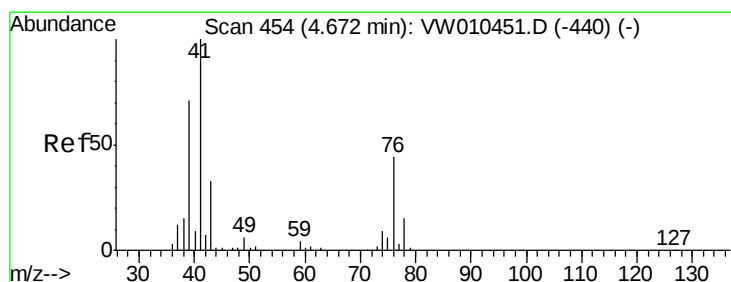
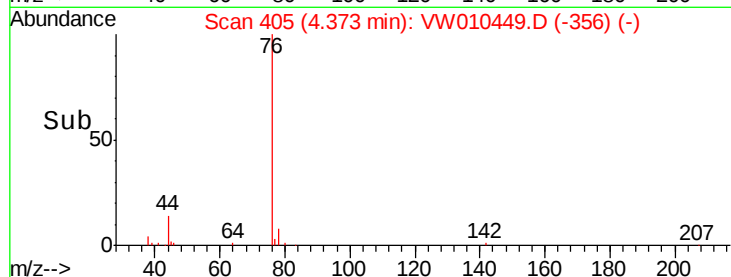
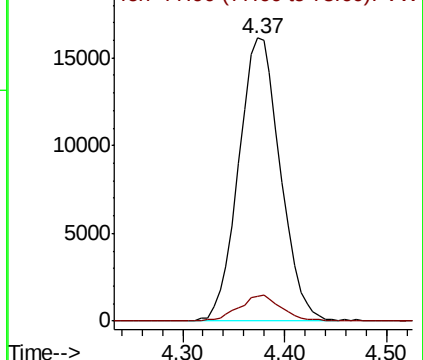
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 9.156 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010449.D

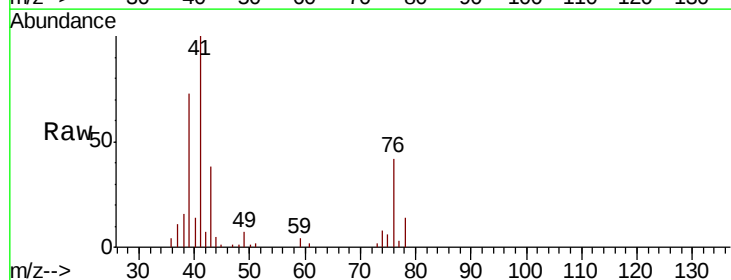
Acq: 20 May 2019 15:36

Tgt Ion: 43 Resp: 8005

Ion Ratio Lower Upper

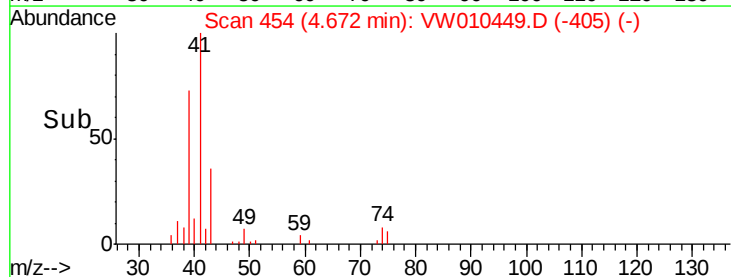
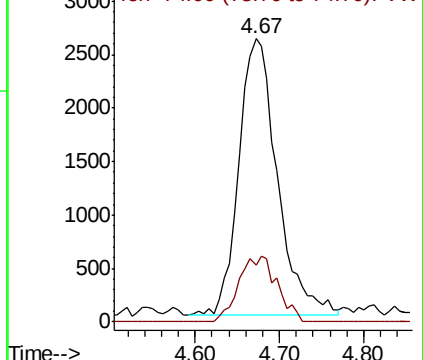
43 100

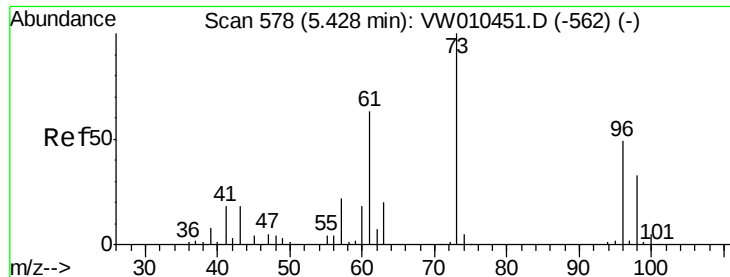
74 23.6 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

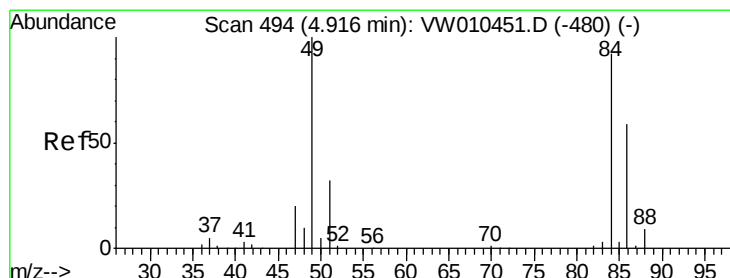
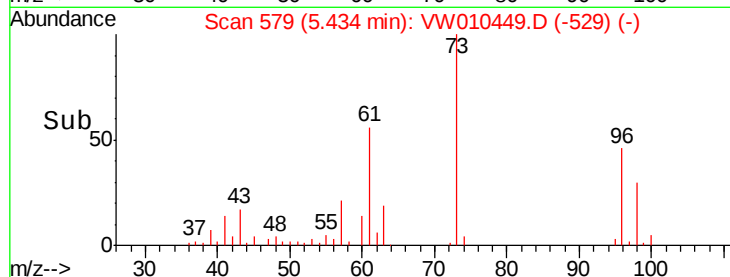
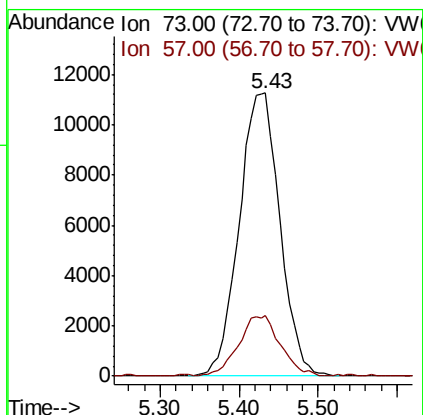
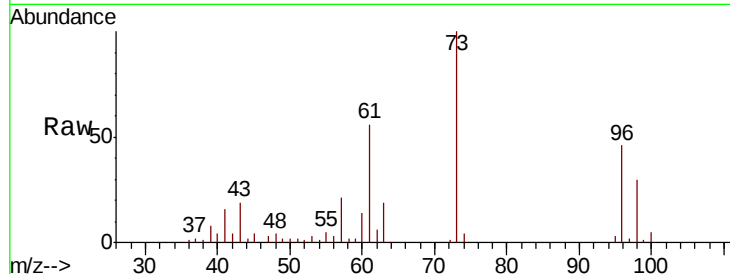




#19
Methyl tert-butyl Ether
Concen: 9.595 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

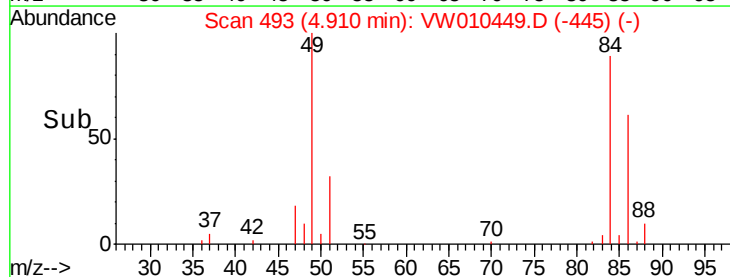
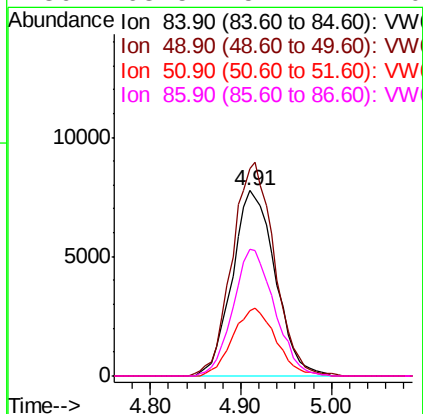
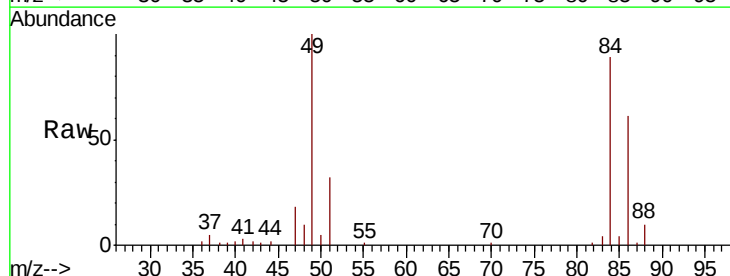
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

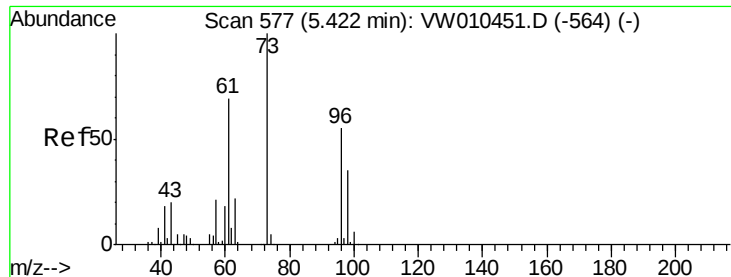
Tot Ion: 73 Resp: 40309
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0



#20
Methylene Chloride
Concen: 14.405 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 84 Resp: 25513
Ion Ratio Lower Upper
84 100
49 111.9 87.2 130.8
51 35.5 27.7 41.5
86 68.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 10.263 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

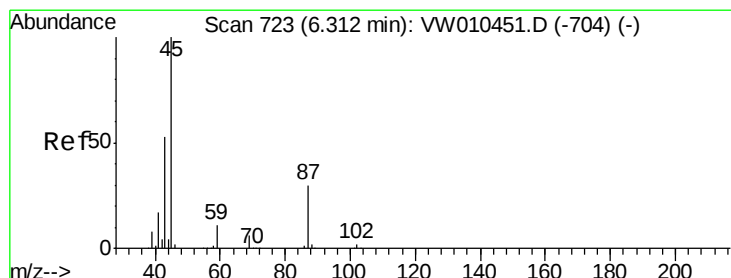
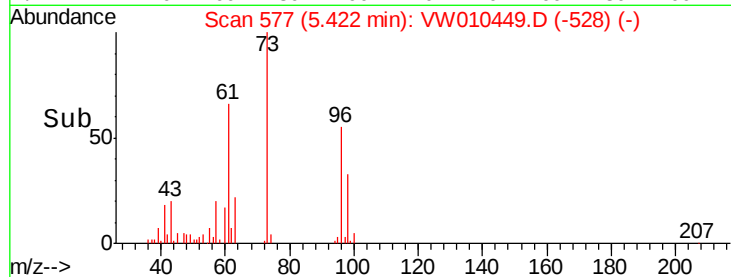
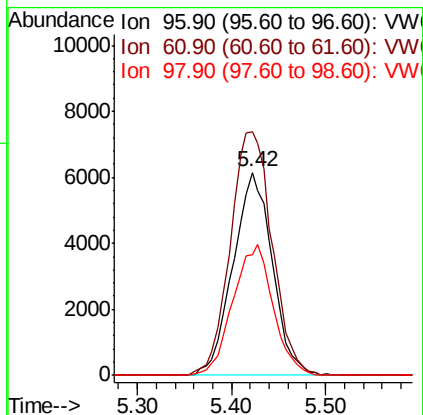
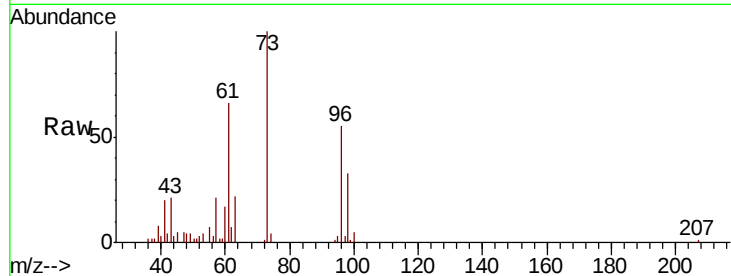
Tot Ion: 96 Resp: 17904

Ion Ratio Lower Upper

96 100

61 119.8 101.4 152.0

98 59.3 50.6 76.0



#22

Diisopropyl ether

Concen: 9.684 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion: 45 Resp: 47076

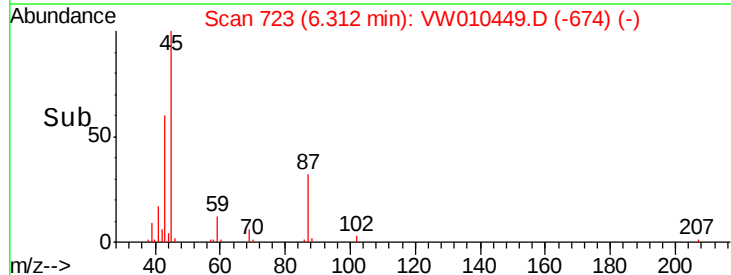
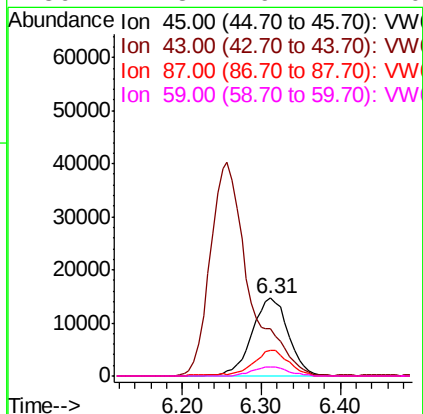
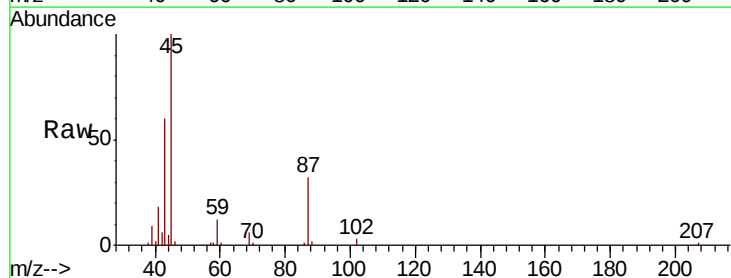
Ion Ratio Lower Upper

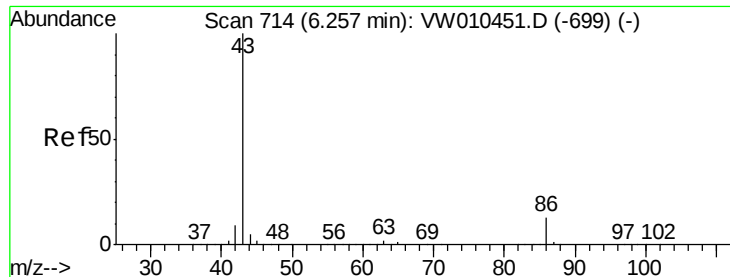
45 100

43 58.9 42.9 64.3

87 32.3 24.6 36.8

59 11.8 9.4 14.0





#23

Vinyl Acetate

Concen: 45.839 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

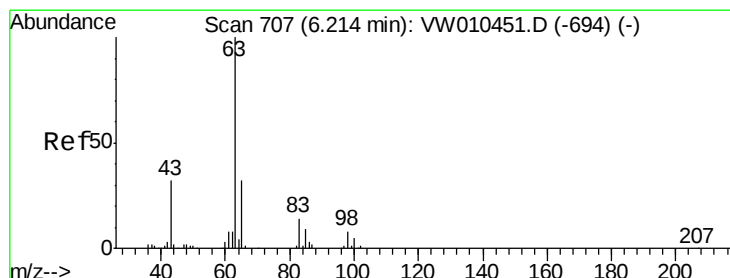
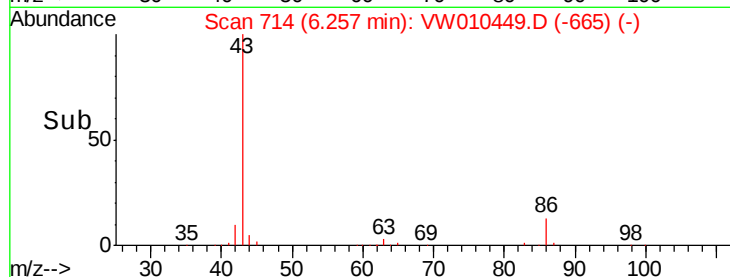
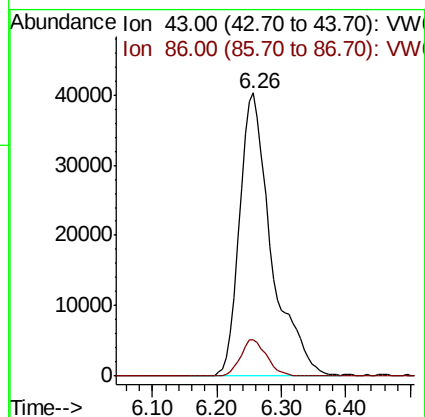
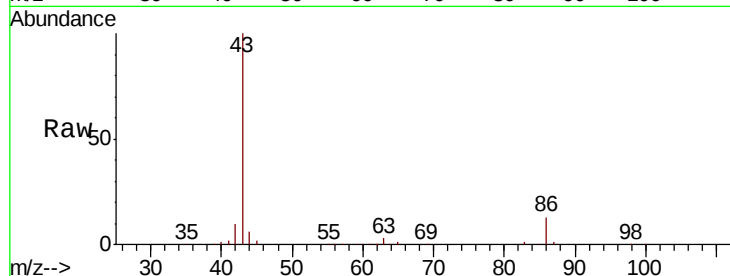
VSTDIC010

Tot Ion: 43 Resp: 137775

Ion Ratio Lower Upper

43 100

86 13.0 10.3 15.5



#24

1,1-Dichloroethane

Concen: 9.831 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

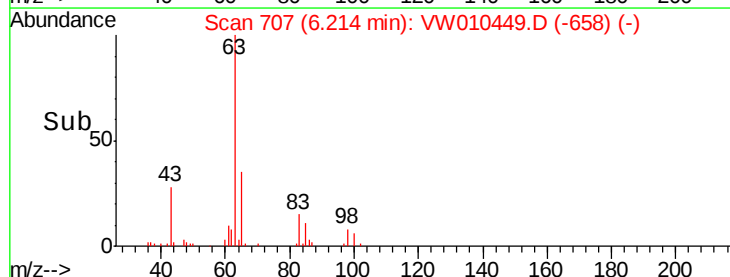
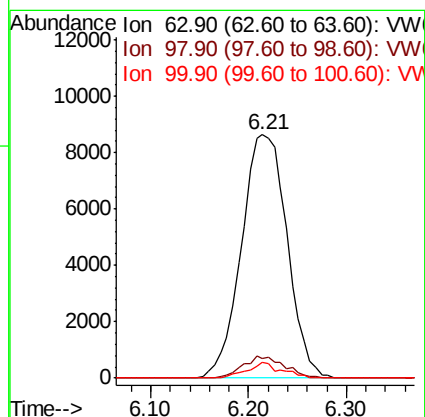
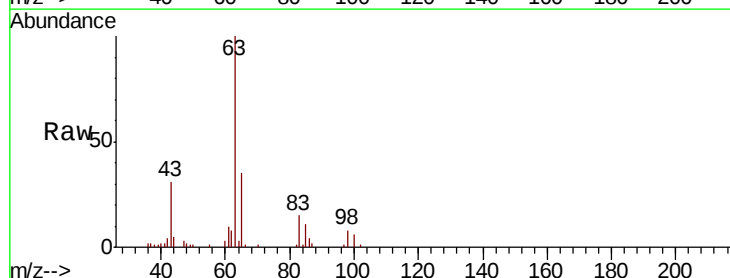
Tgt Ion: 63 Resp: 27919

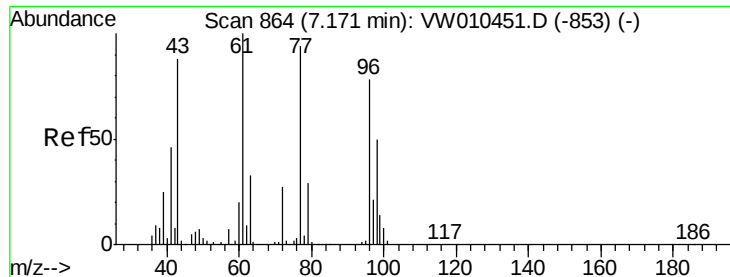
Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.2

100 6.5 2.5 7.4





#25

2-Butanone

Concen: 46.837 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

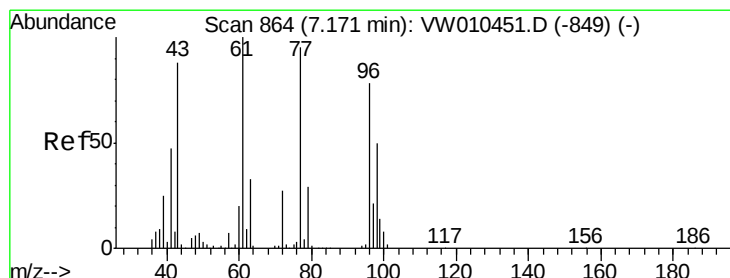
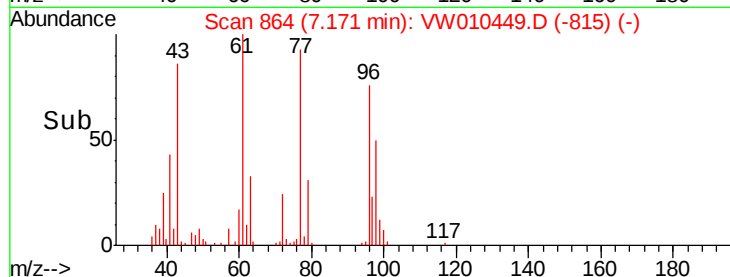
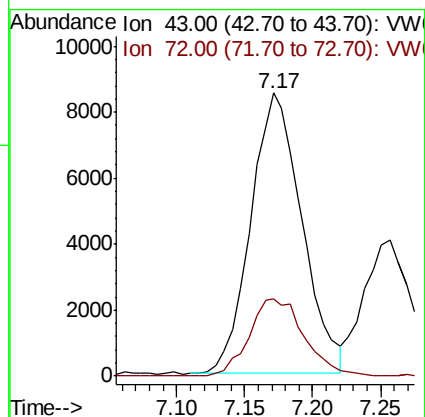
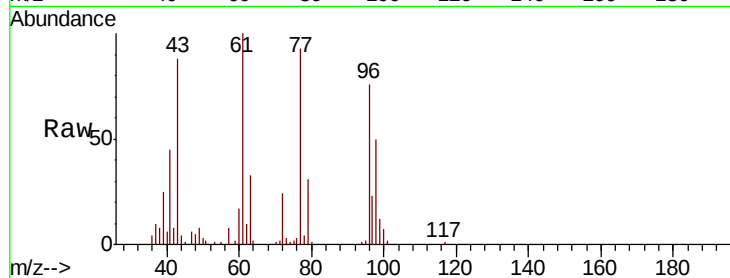
VSTDIC010

Tot Ion: 43 Resp: 22370

Ion Ratio Lower Upper

43 100

72 27.7 24.1 36.1



#26

2,2-Dichloropropane

Concen: 10.434 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010449.D

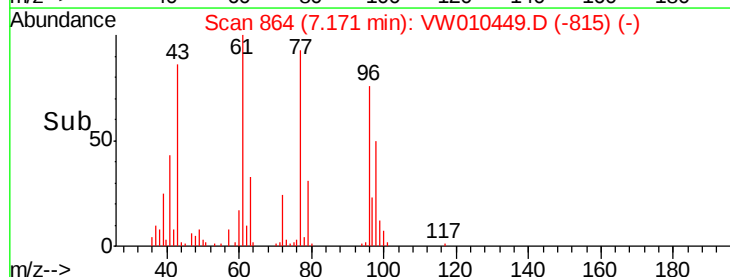
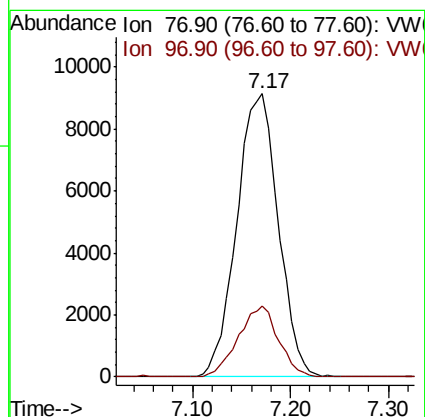
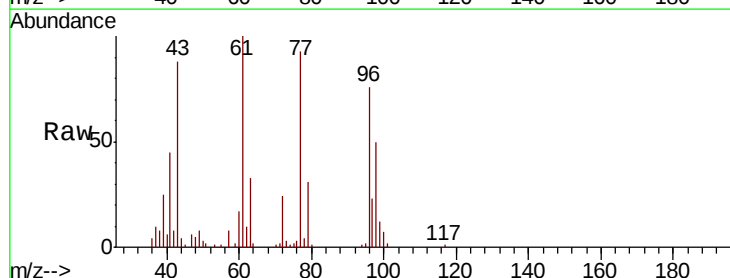
Acq: 20 May 2019 15:36

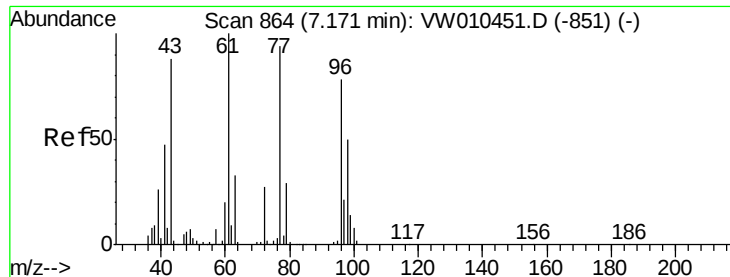
Tgt Ion: 77 Resp: 26988

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0



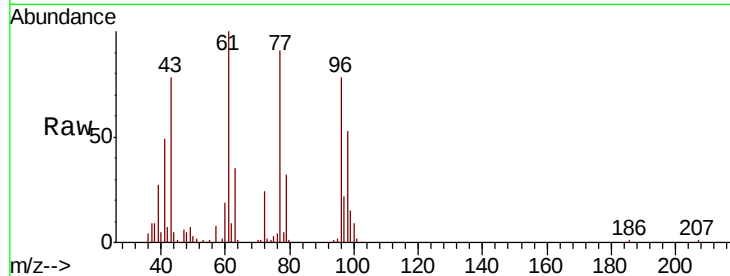


#27

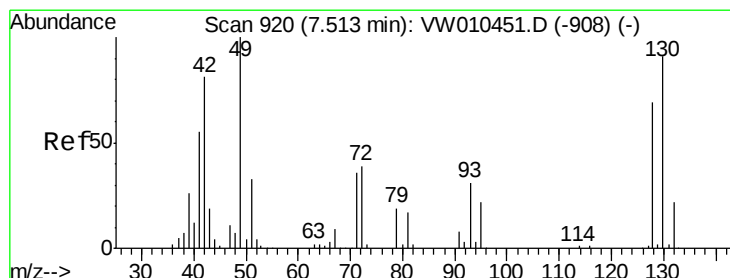
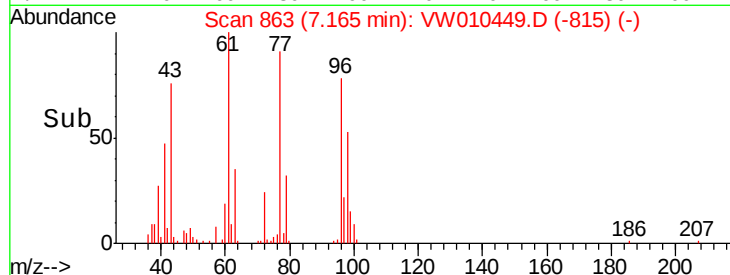
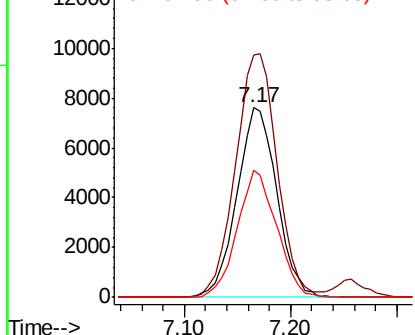
cis-1,2-Dichloroethene
Concen: 10.302 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 20024
Ion Ratio Lower Upper
96 100
61 133.7 0.0 265.4
98 65.9 0.0 129.4



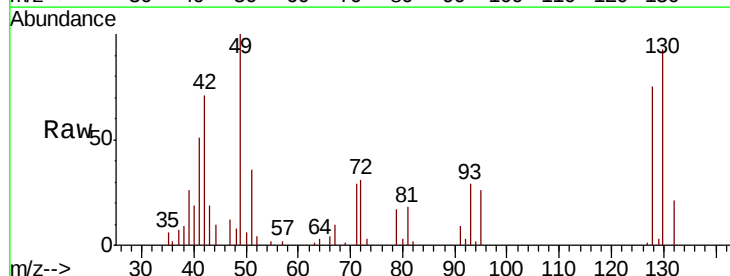
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



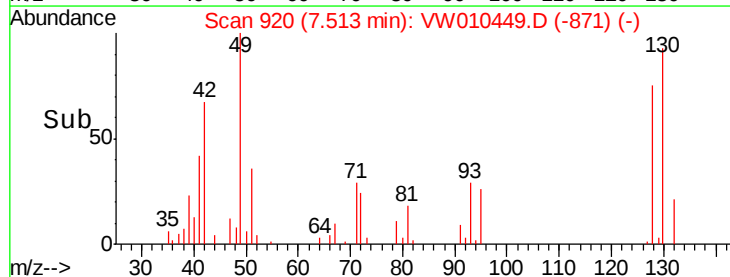
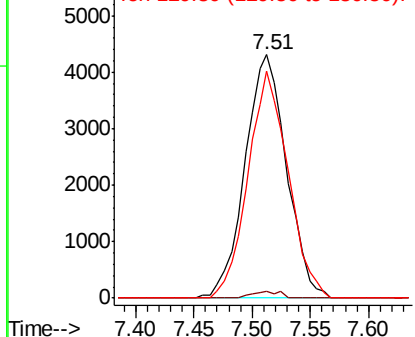
#28

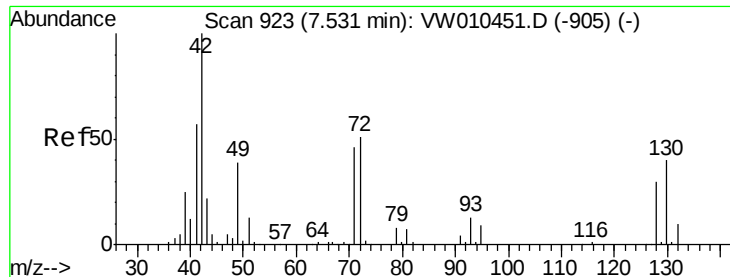
Bromochloromethane
Concen: 10.195 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 49 Resp: 10651
Ion Ratio Lower Upper
49 100
129 1.8 0.0 4.8
130 90.0 71.2 106.8



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

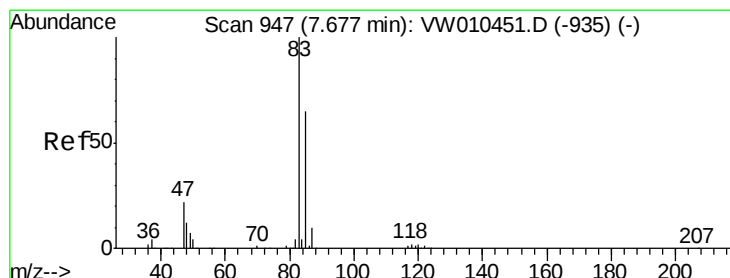
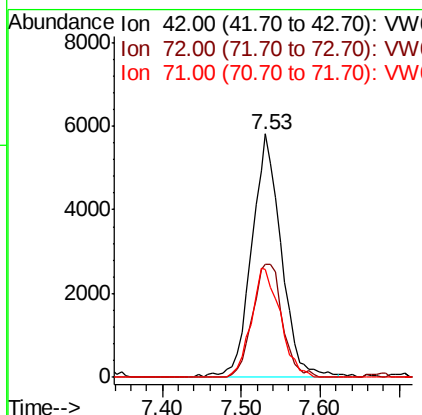
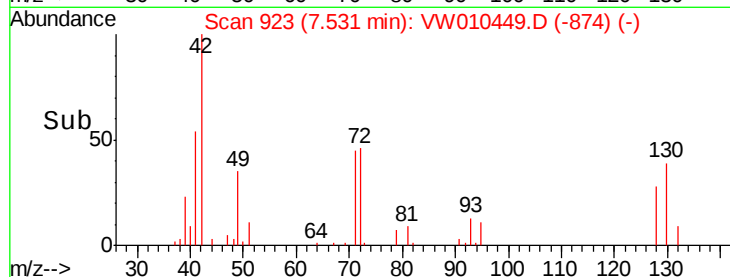
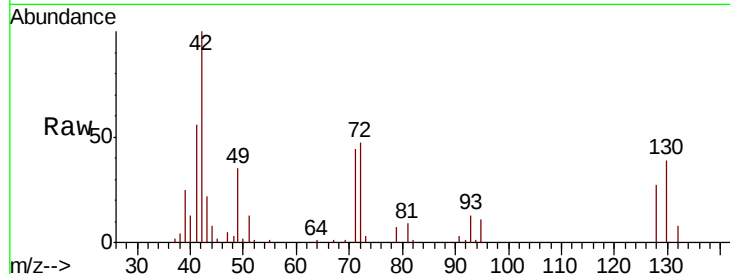




#29
Tetrahydrofuran
Concen: 46.727 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

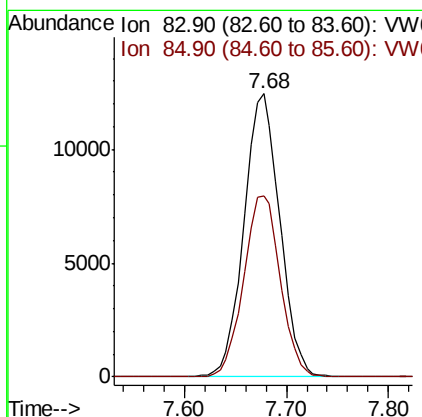
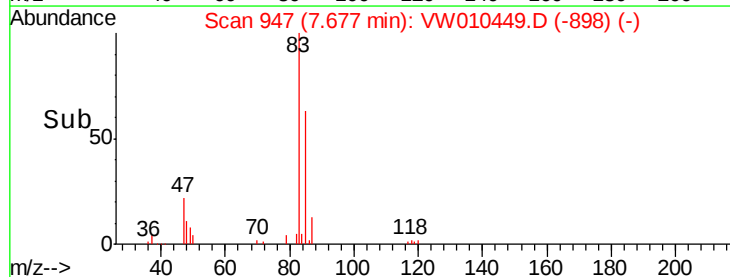
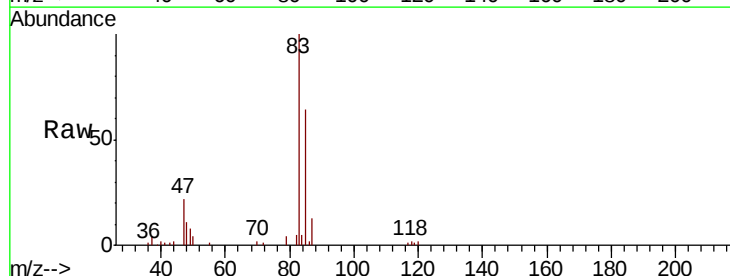
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

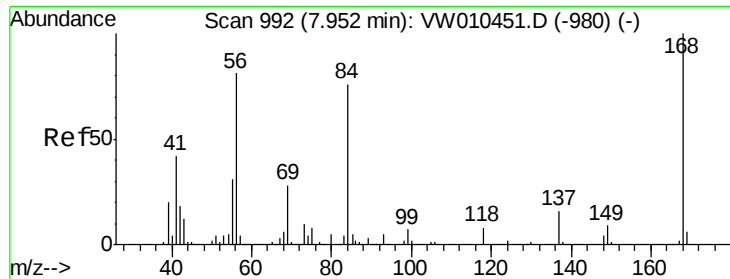
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.5	57.7
71	43.8	36.5	54.7



#30
Chloroform
Concen: 10.181 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4

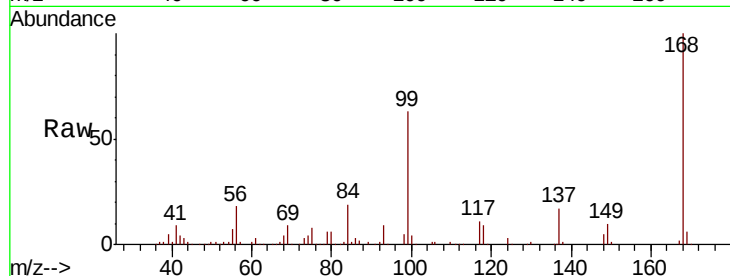




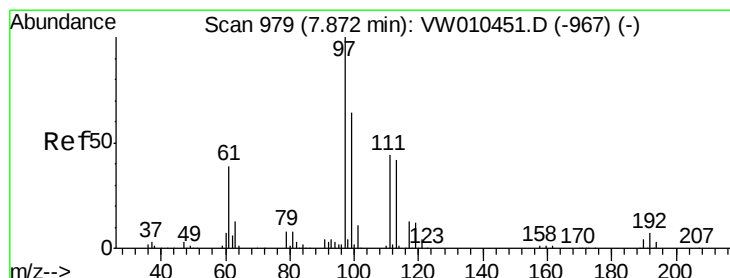
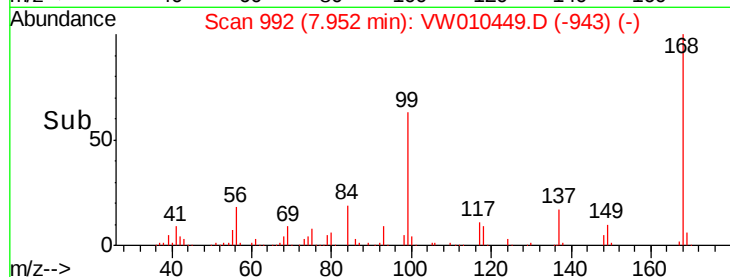
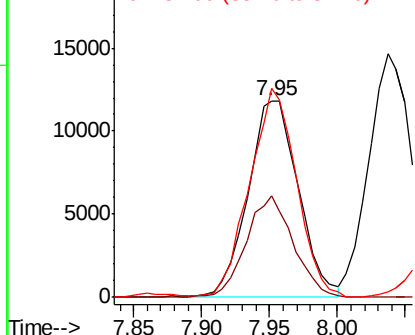
#31
Cyclohexane
Concen: 10.685 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 30647
Ion Ratio Lower Upper
56 100
69 51.4 28.2 42.2#
84 105.3 75.8 113.8

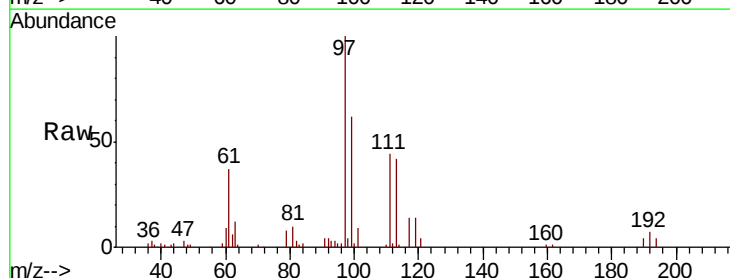


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

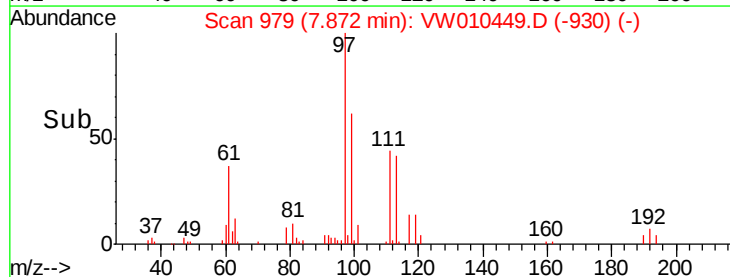
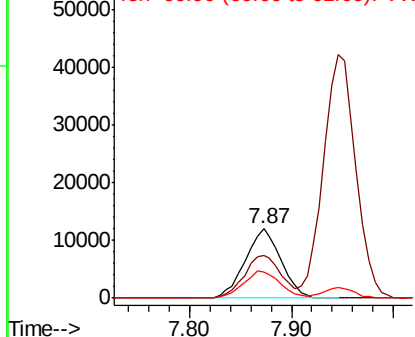


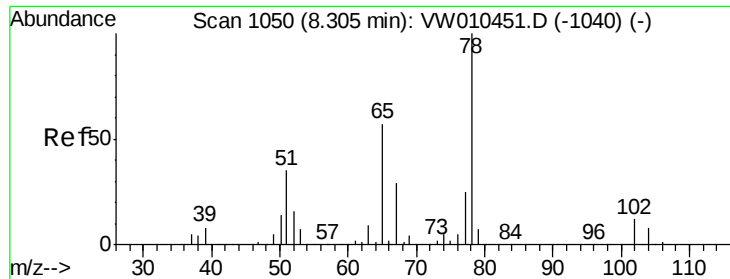
#32
1,1,1-Trichloroethane
Concen: 10.397 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 97 Resp: 29369
Ion Ratio Lower Upper
97 100
99 63.0 50.8 76.2
61 40.2 32.1 48.1



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

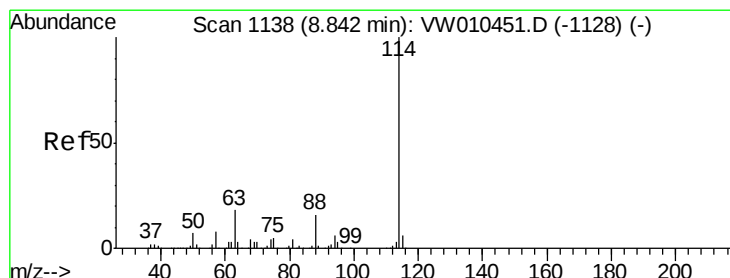
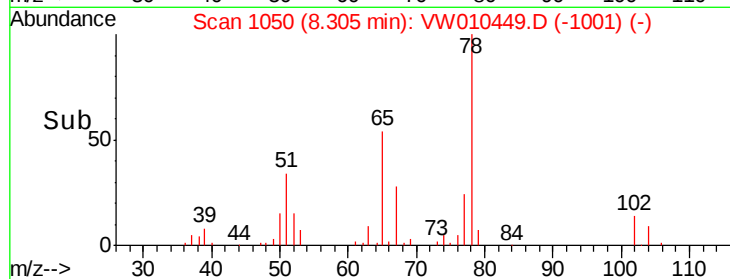
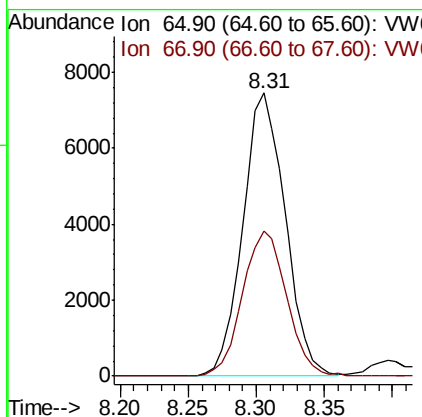
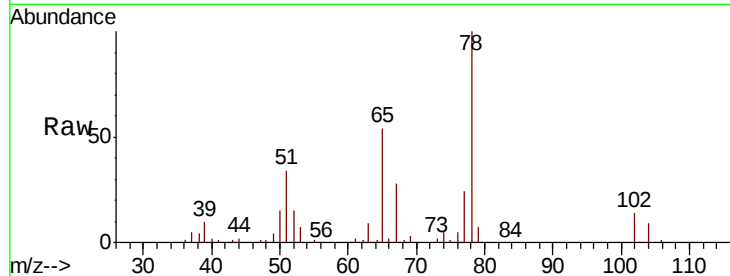




#33
 1,2-Dichloroethane-d4
 Concen: 10.245 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

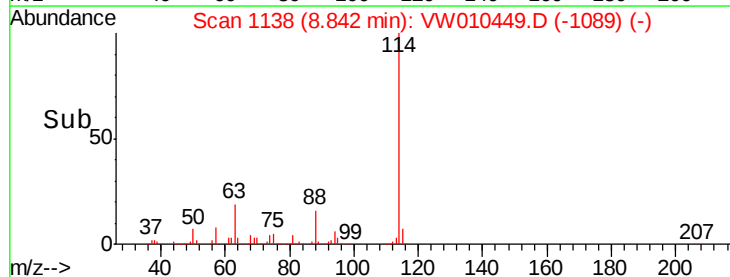
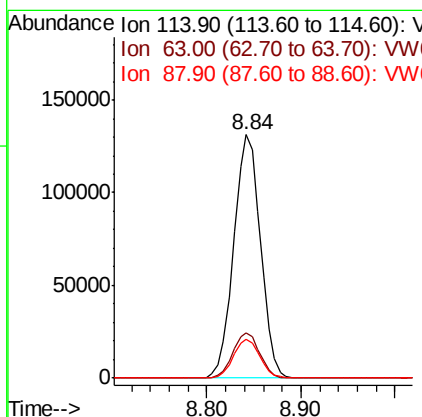
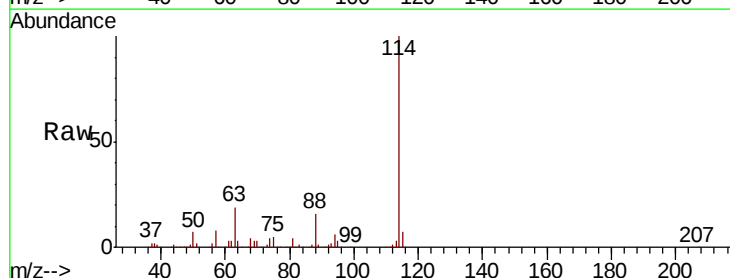
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

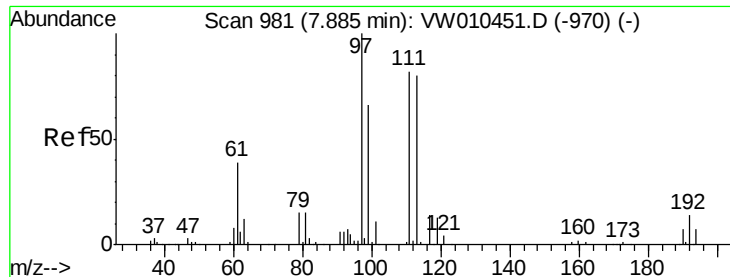
Tot Ion: 65 Resp: 16298
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion: 114 Resp: 258682
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 10.280 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

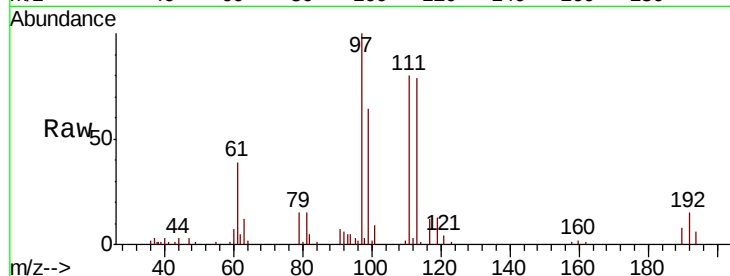
Tot Ion:113 Resp: 16301

Ion Ratio Lower Upper

113 100

111 105.0 82.2 123.4

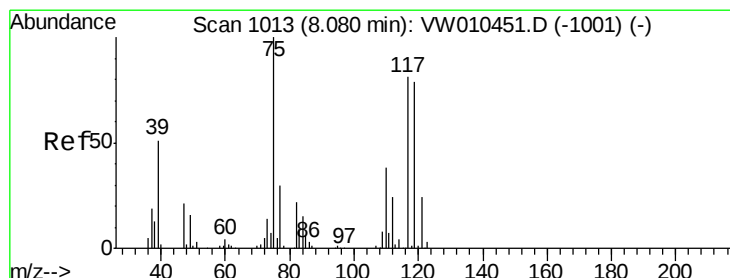
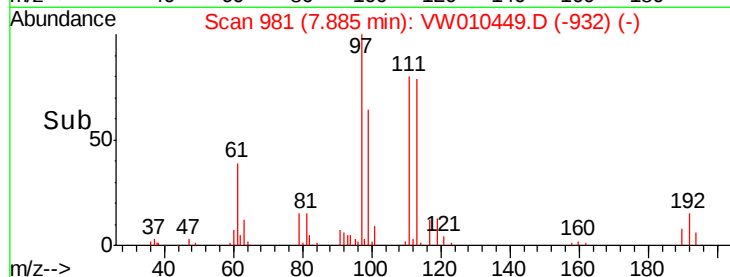
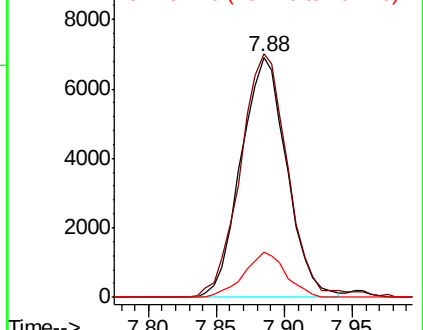
192 17.1 14.3 21.5



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: 10.563 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

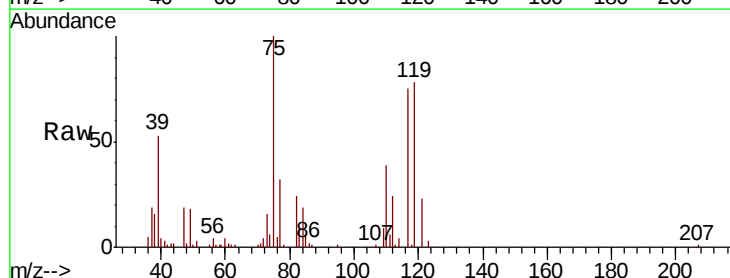
Tgt Ion: 75 Resp: 24608

Ion Ratio Lower Upper

75 100

110 38.5 19.2 57.6

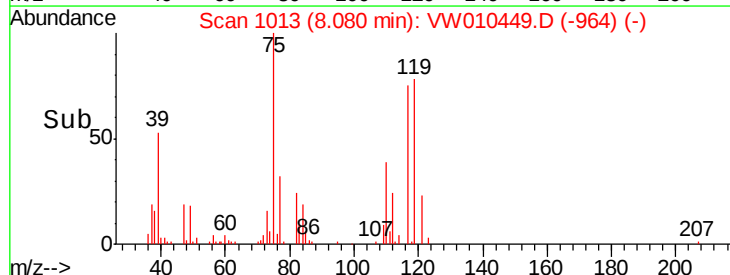
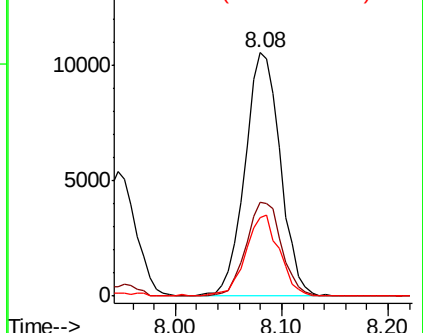
77 31.7 25.2 37.8

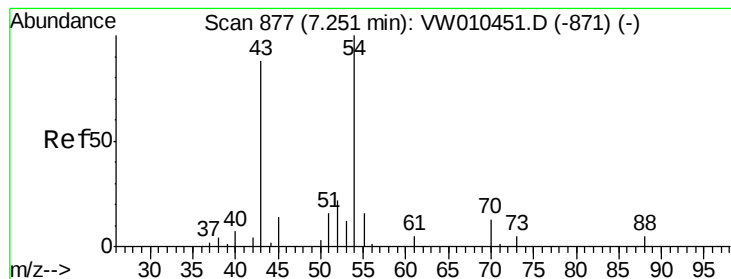


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 9.314 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

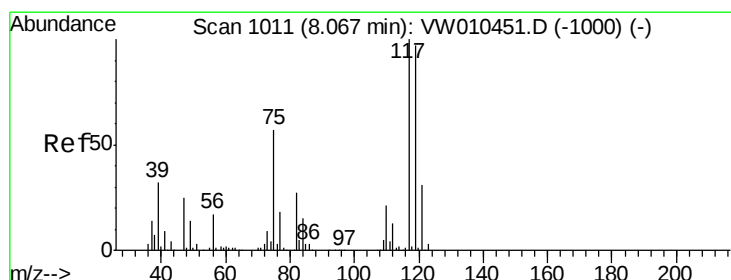
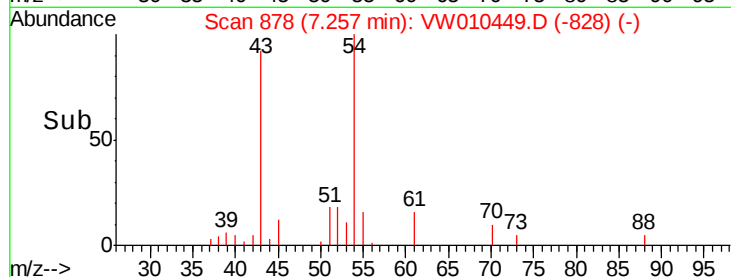
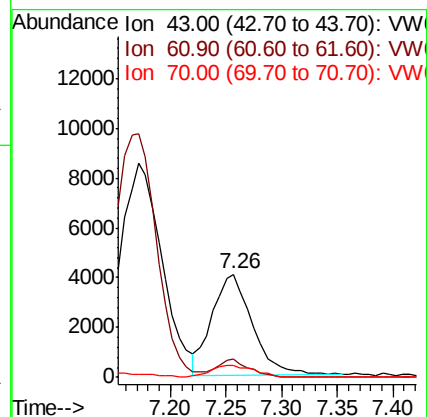
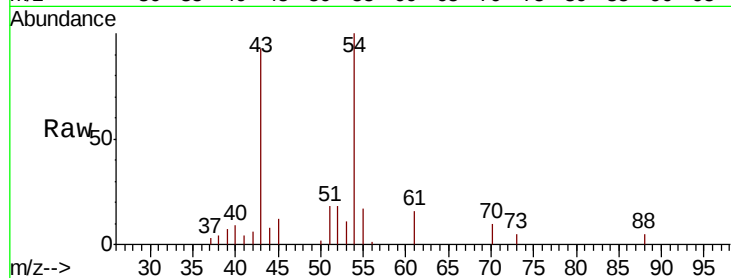
Tot Ion: 43 Resp: 10143

Ion Ratio Lower Upper

43 100

61 14.6 11.2 16.8

70 12.6 9.9 14.9



#38

Carbon Tetrachloride

Concen: 10.451 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

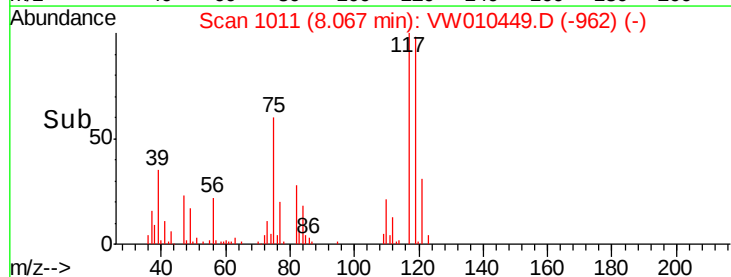
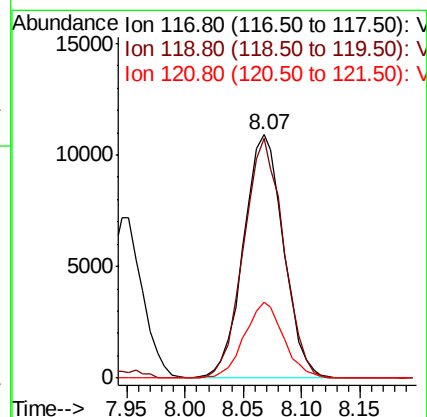
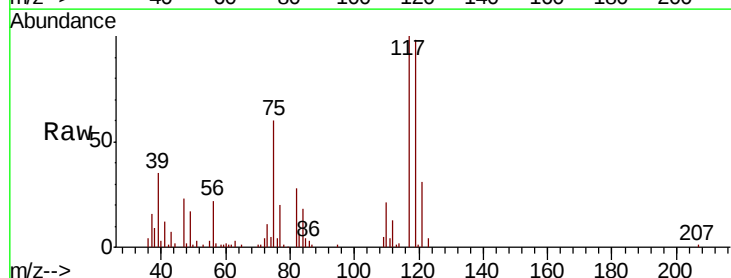
Tgt Ion: 117 Resp: 26279

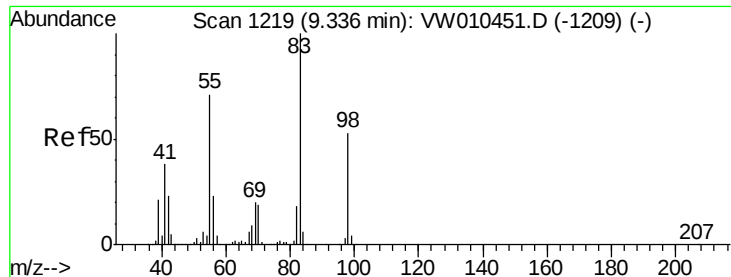
Ion Ratio Lower Upper

117 100

119 98.4 77.4 116.0

121 31.4 25.0 37.6

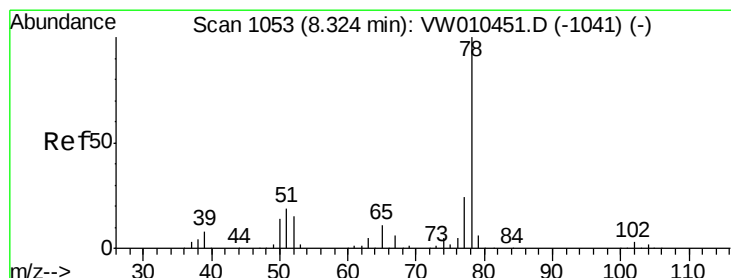
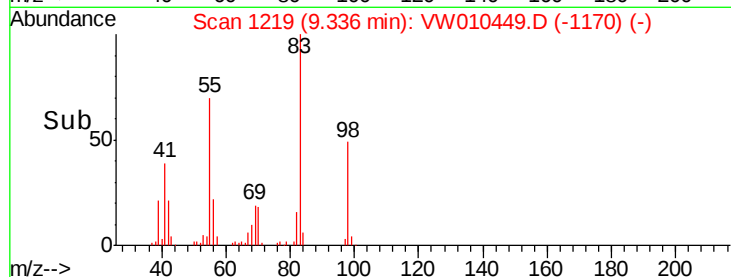
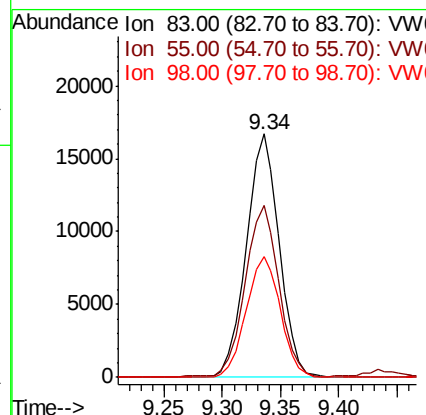
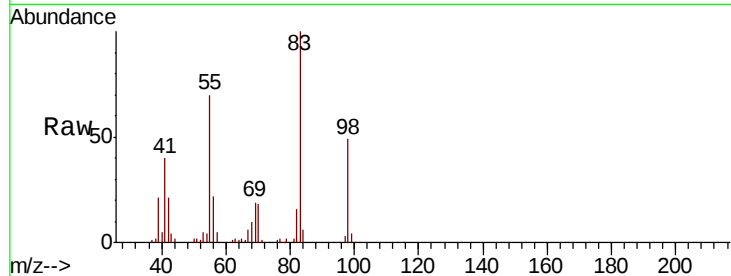




#39
Methvlcvclohexane
Concen: 10.534 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

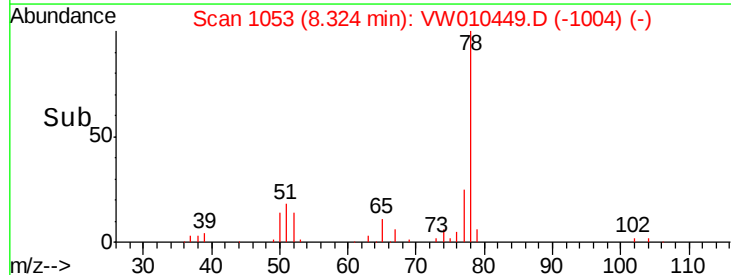
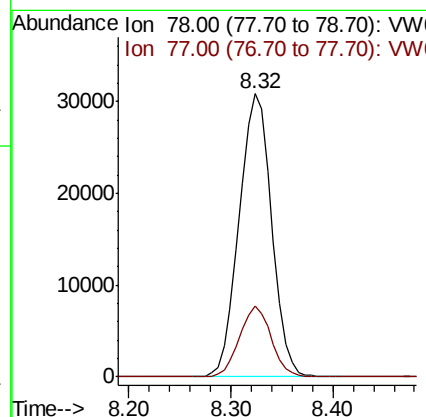
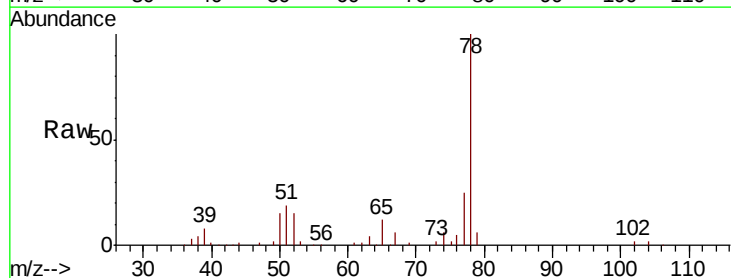
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

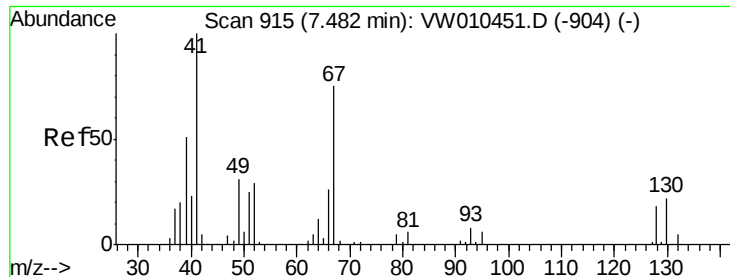
Tot Ion: 83 Resp: 32875
Ion Ratio Lower Upper
83 100
55 69.9 57.0 85.6
98 49.4 42.0 63.0



#40
Benzene
Concen: 10.275 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 78 Resp: 68114
Ion Ratio Lower Upper
78 100
77 25.1 18.9 28.3





#41

Methacrylonitrile

Concen: 8.843 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 41 Resp: 5611

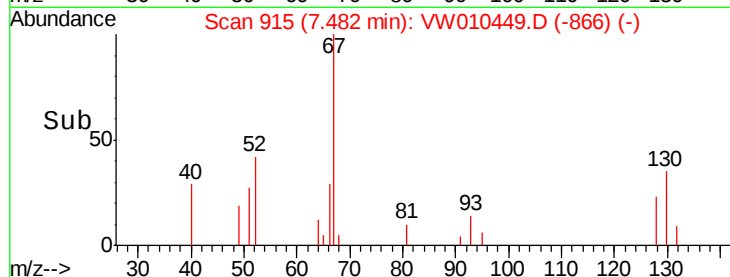
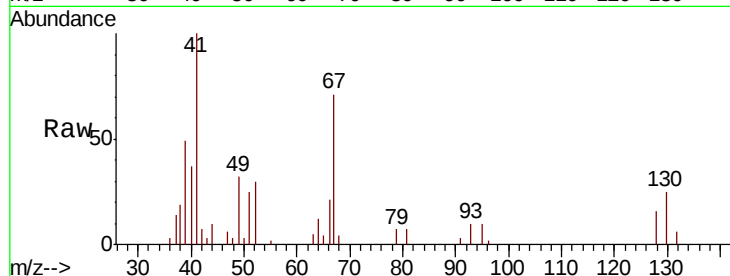
Ion Ratio Lower Upper

41 100

39 65.9 47.4 71.2

67 83.2 65.5 98.3

52 33.1 25.0 37.4

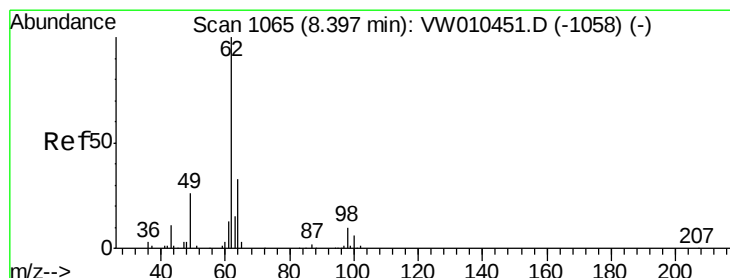
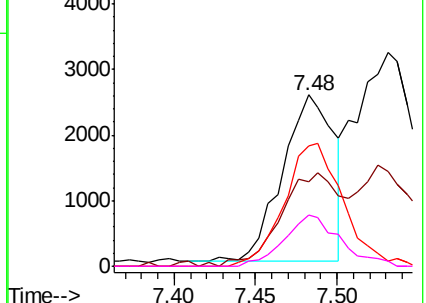


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 9.932 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW010449.D

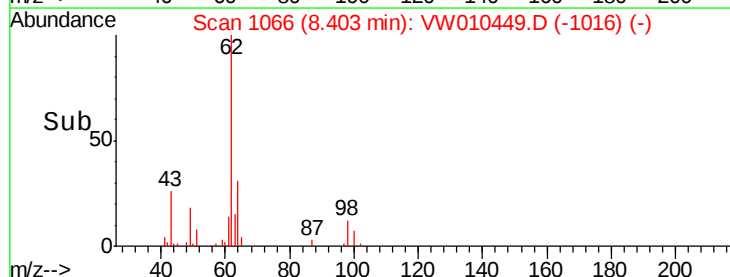
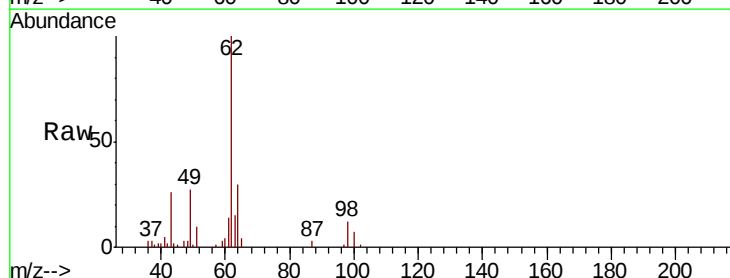
Acq: 20 May 2019 15:36

Tgt Ion: 62 Resp: 19406

Ion Ratio Lower Upper

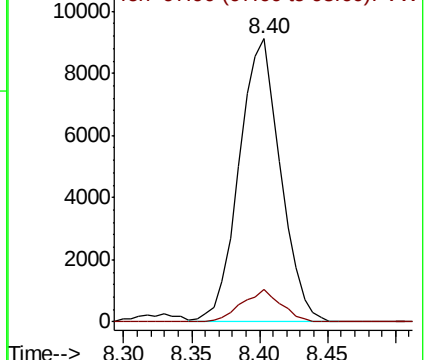
62 100

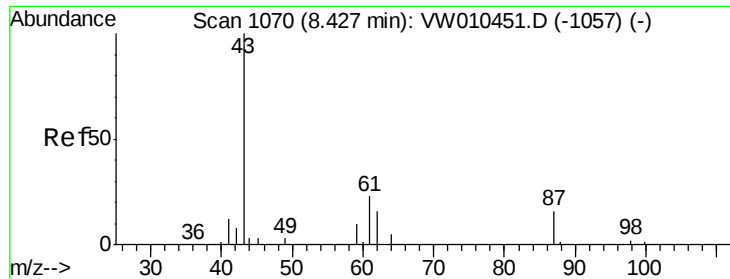
98 10.6 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 9.077 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

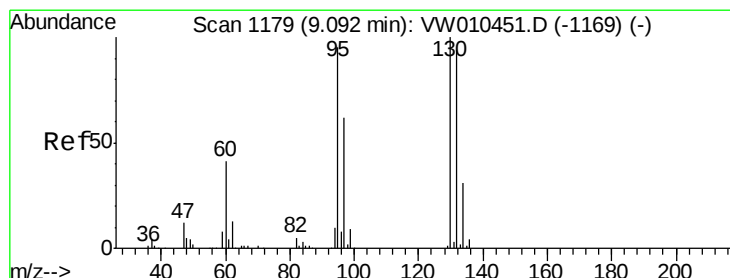
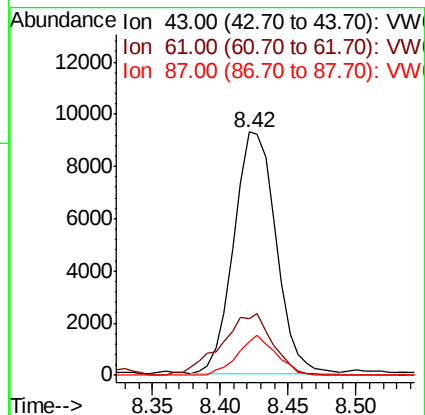
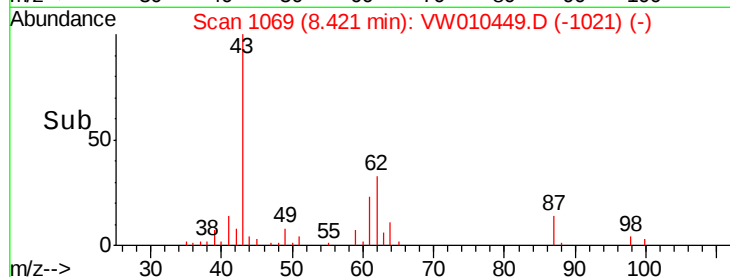
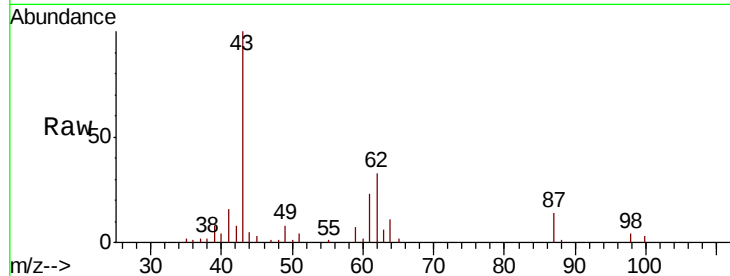
Tot Ion: 43 Resp: 20011

Ion Ratio Lower Upper

43 100

61 30.9 25.4 38.2

87 14.9 12.7 19.1



#44

Trichloroethene

Concen: 10.692 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010449.D

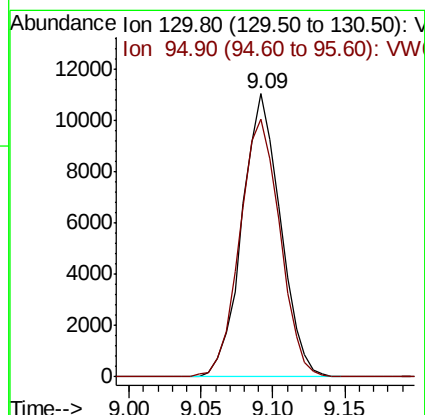
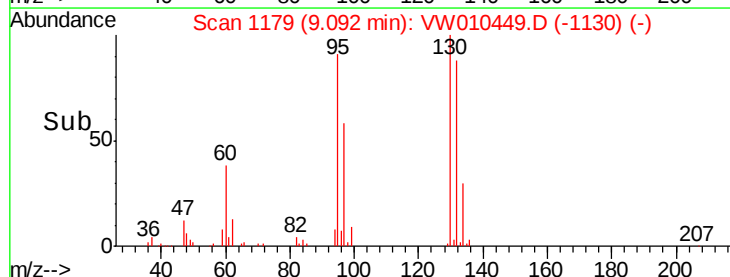
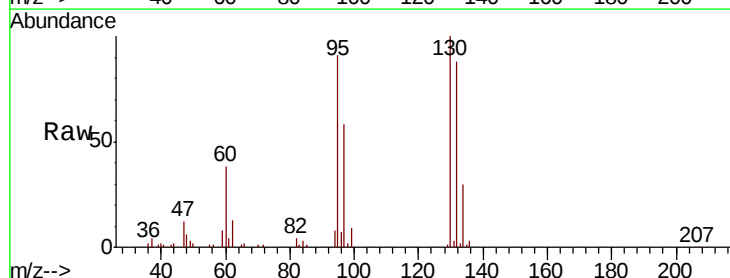
Acq: 20 May 2019 15:36

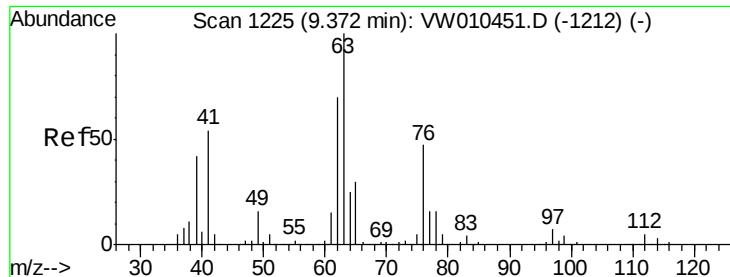
Tgt Ion: 130 Resp: 20381

Ion Ratio Lower Upper

130 100

95 91.0 0.0 189.6

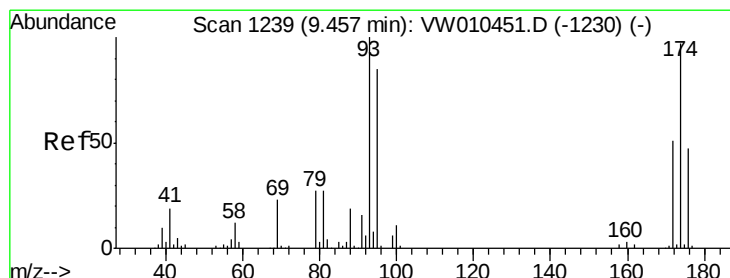
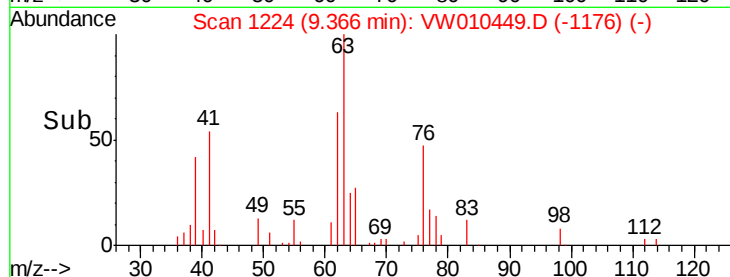
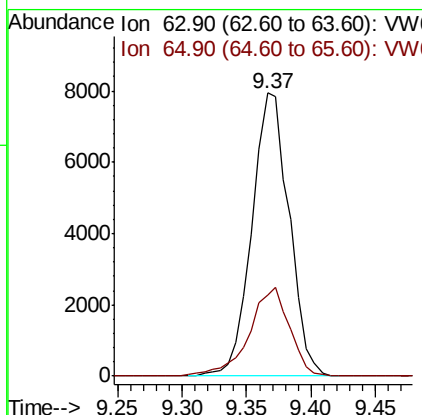
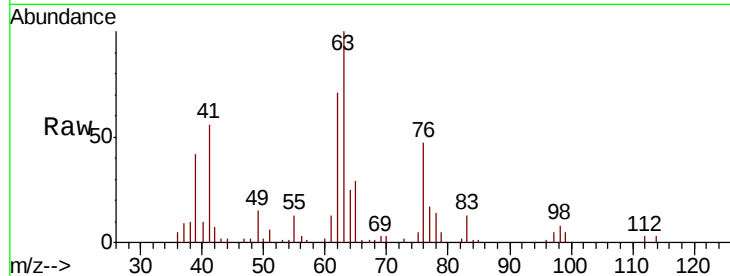




#45
 1,2-Dichloropropane
 Concen: 9.845 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

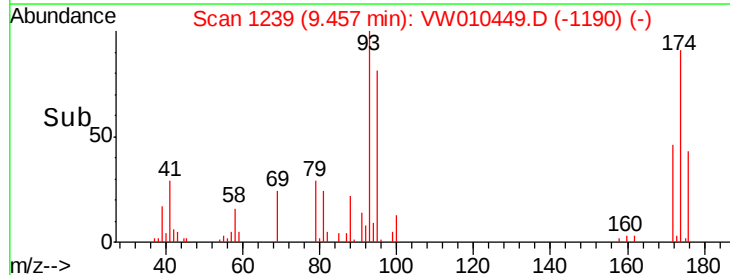
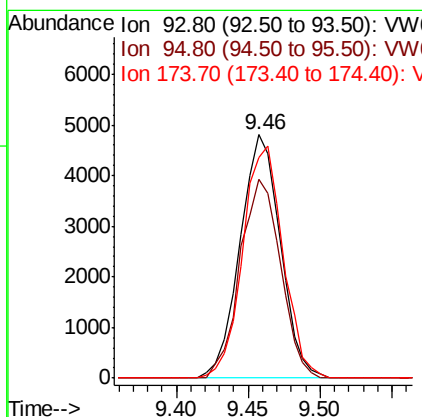
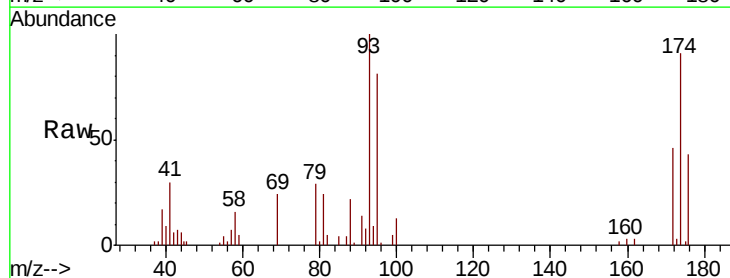
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

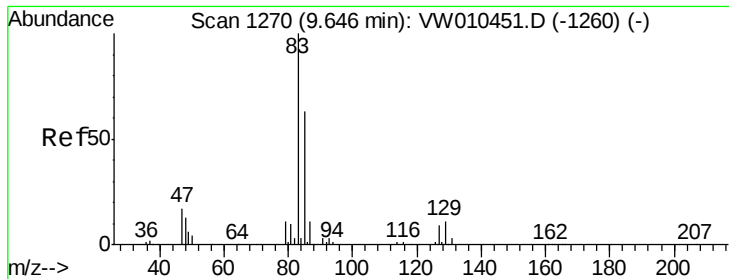
Tot Ion: 63 Resp: 15839
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.3 36.5



#46
 Dibromomethane
 Concen: 9.861 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion: 93 Resp: 9336
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.1 99.1
 174 95.1 77.1 115.7

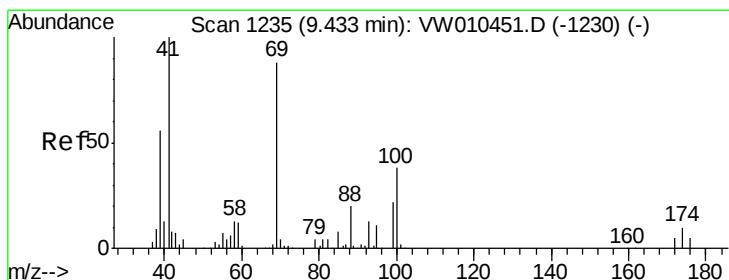
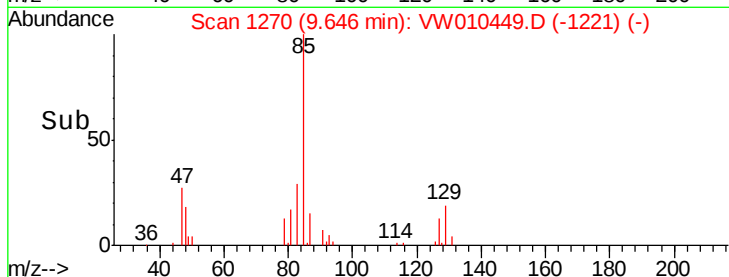
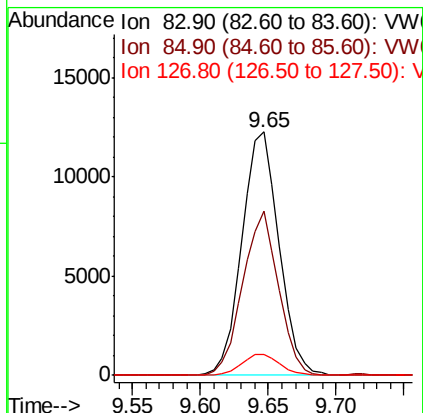
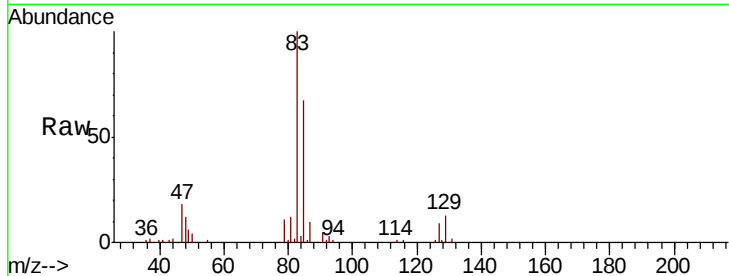




#47
Bromodichloromethane
Concen: 9.890 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

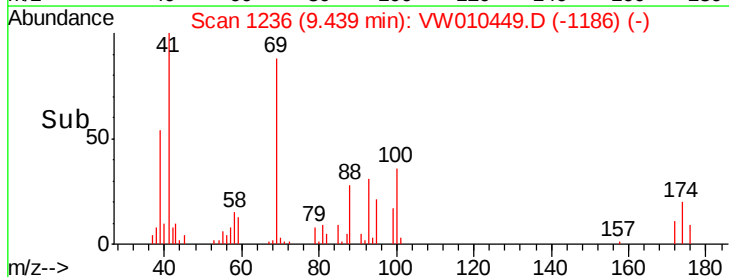
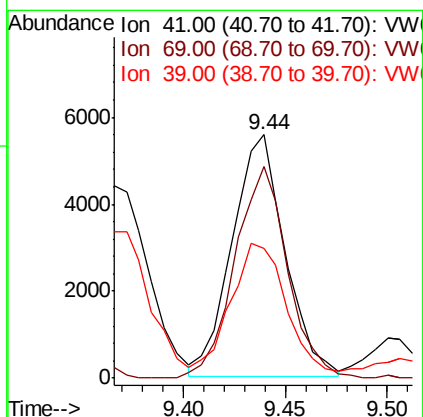
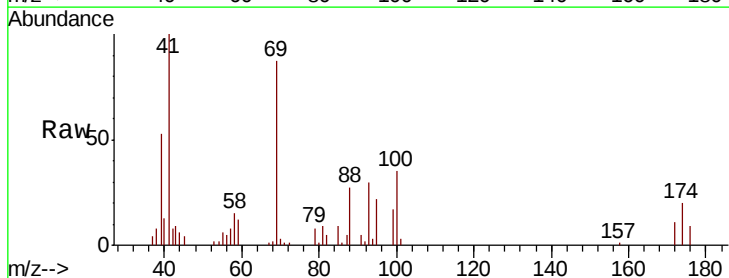
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

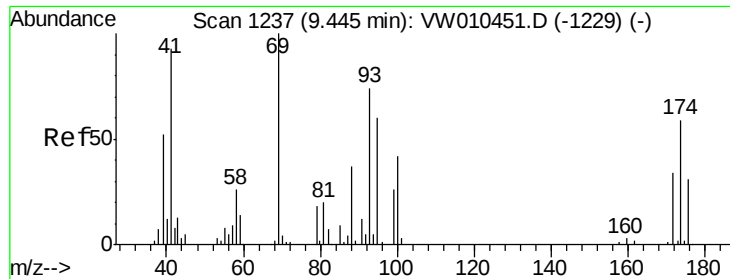
Tot Ion: 83 Resp: 23374
Ion Ratio Lower Upper
83 100
85 67.4 50.4 75.6
127 8.8 7.4 11.0



#48
Methyl methacrylate
Concen: 9.877 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 41 Resp: 10065
Ion Ratio Lower Upper
41 100
69 86.8 77.6 116.4
39 53.5 49.8 74.8





#49

1,4-Dioxane

Concen: 231.919 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

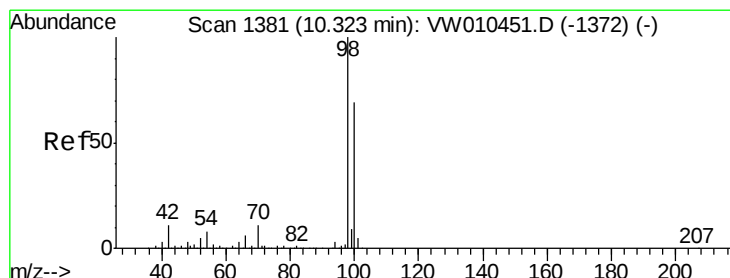
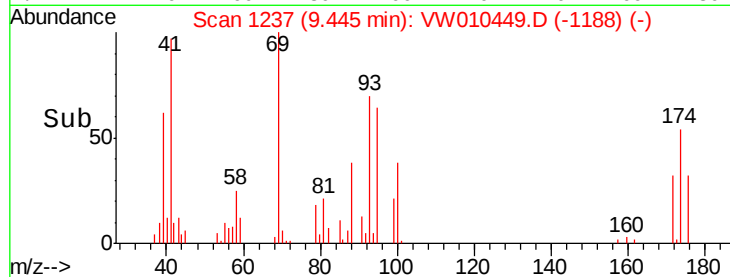
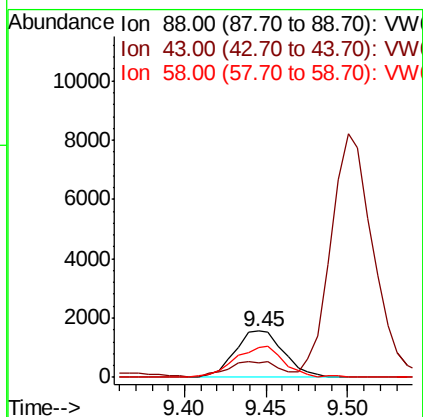
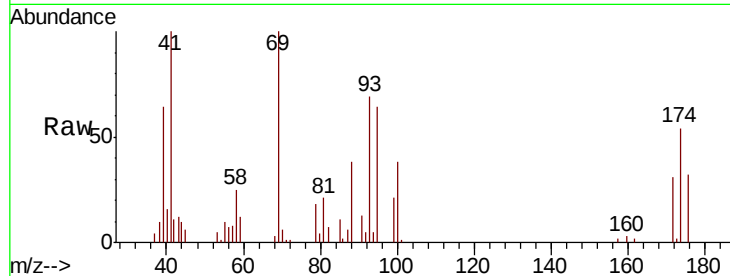
Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 3250

Ion	Ratio	Lower	Upper
88	100		
43	37.6	25.9	38.9
58	66.7	52.7	79.1



#50

Toluene-d8

Concen: 10.837 ug/l

RT: 10.32 min Scan# 1381

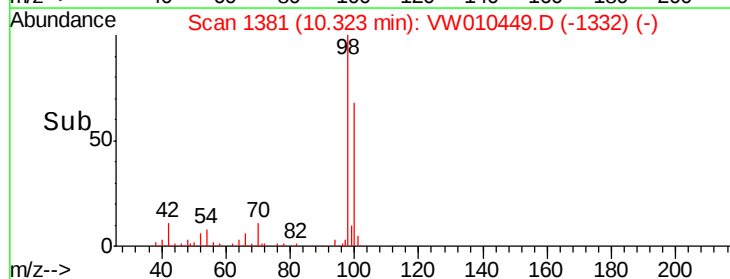
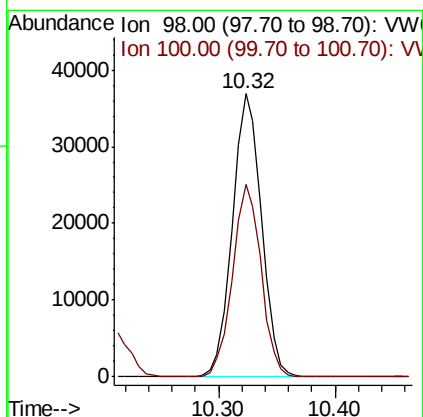
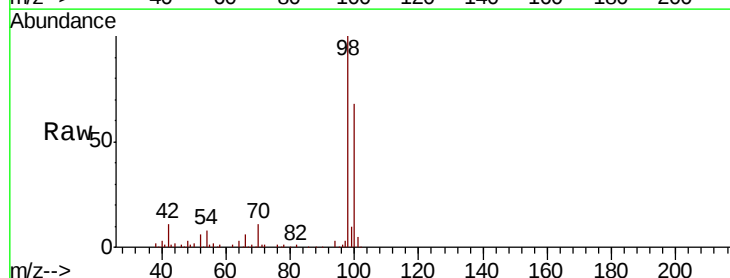
Delta R.T. 0.00 min

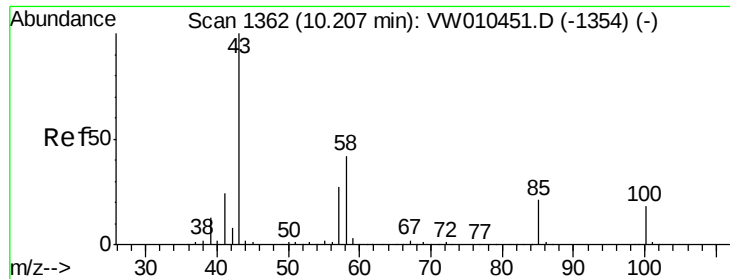
Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion: 98 Resp: 64287

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 46.190 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

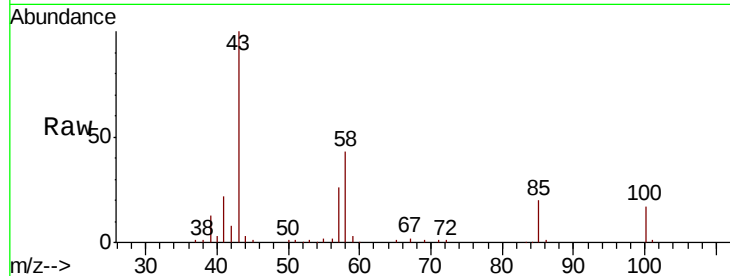
VSTDIC010

Tot Ion: 43 Resp: 52163

Ion Ratio Lower Upper

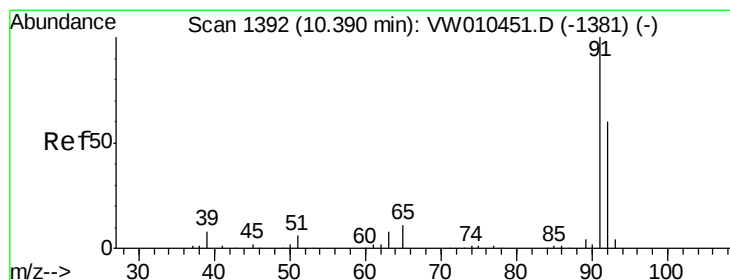
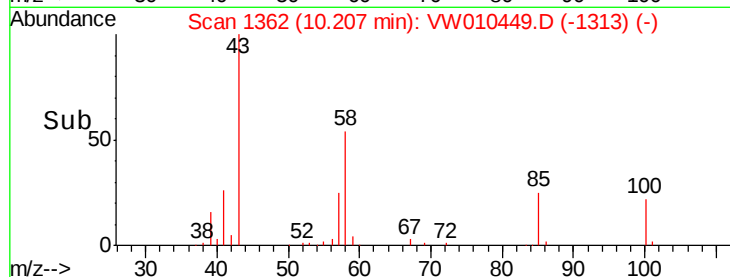
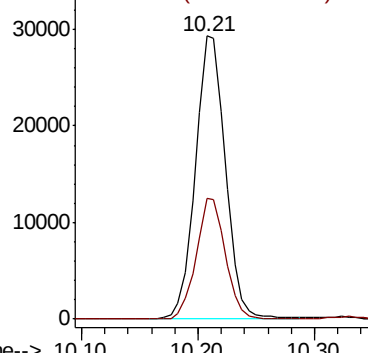
43 100

58 42.1 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 10.376 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010449.D

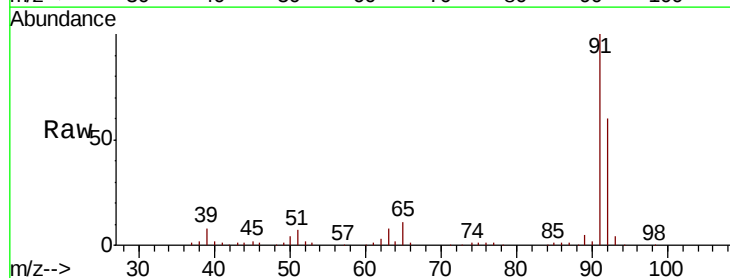
Acq: 20 May 2019 15:36

Tgt Ion: 92 Resp: 45675

Ion Ratio Lower Upper

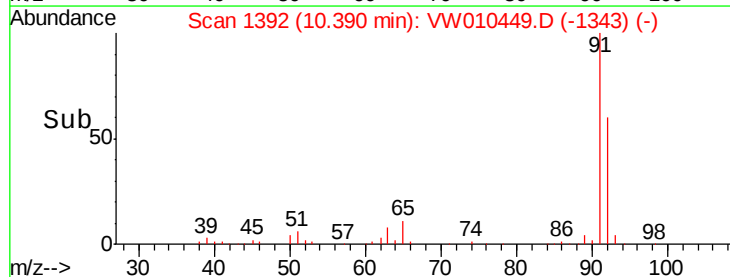
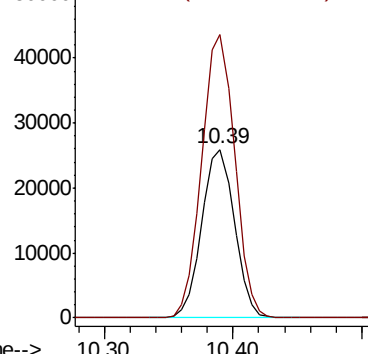
92 100

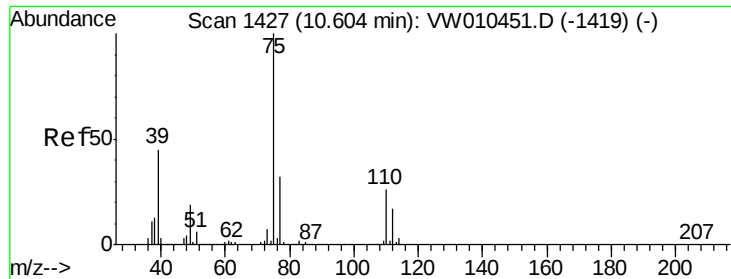
91 169.9 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 9.719 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

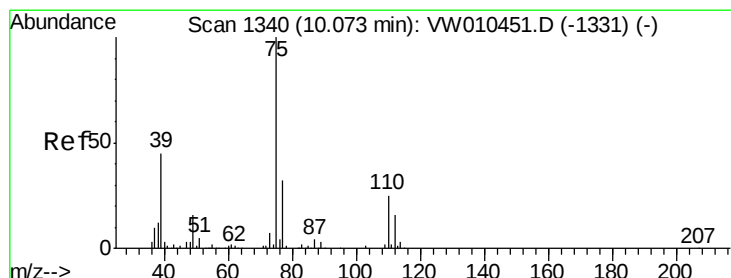
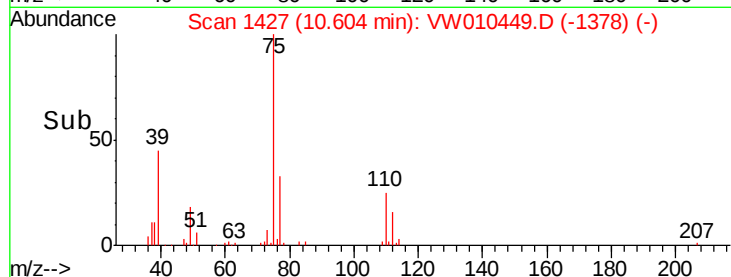
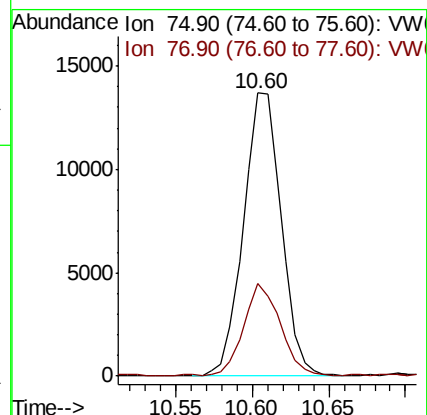
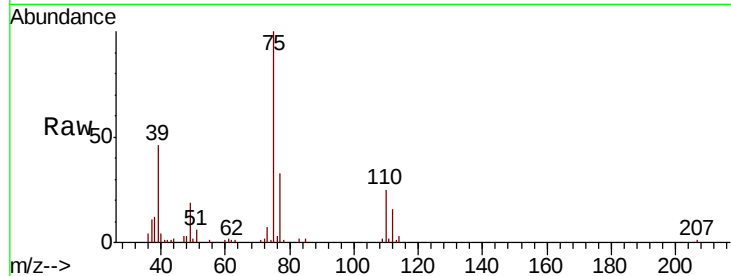
VSTDIC010

Tot Ion: 75 Resp: 23599

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 9.936 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

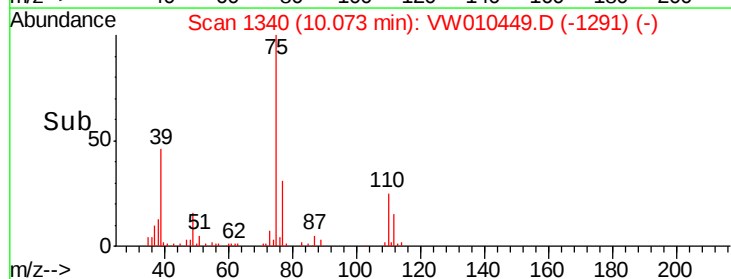
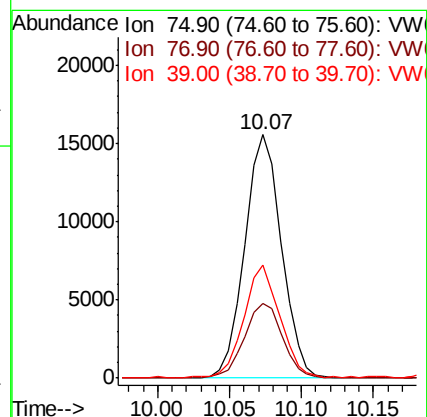
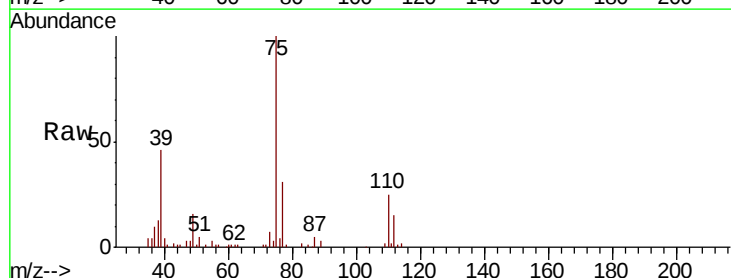
Tgt Ion: 75 Resp: 27433

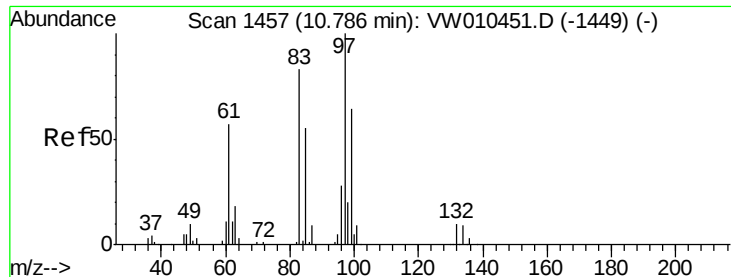
Ion Ratio Lower Upper

75 100

77 30.8 25.7 38.5

39 46.2 36.2 54.4

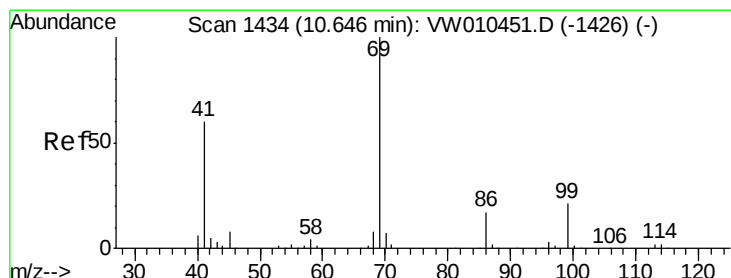
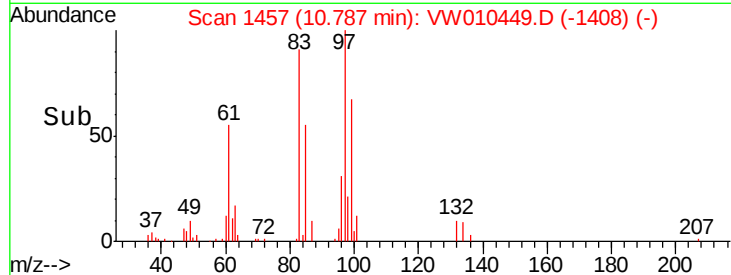
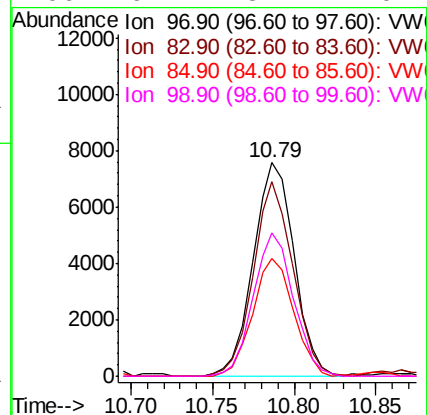
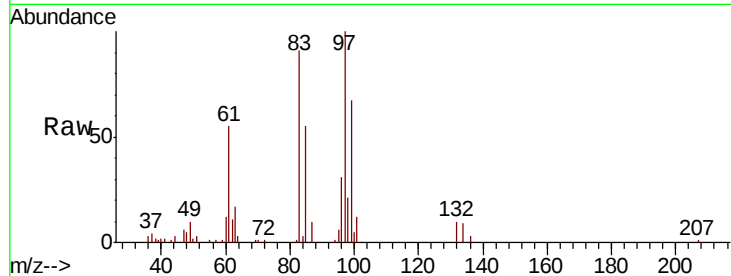




#55
 1,1,2-Trichloroethane
 Concen: 9.674 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

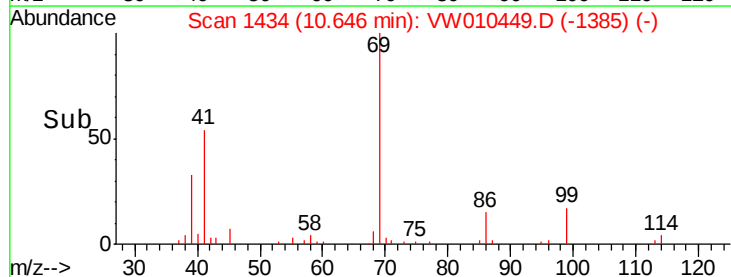
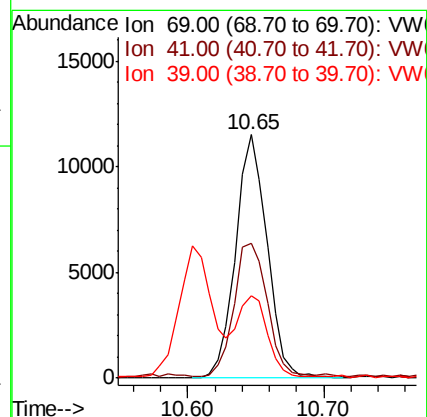
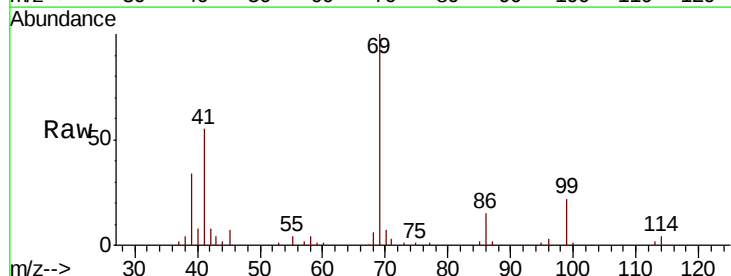
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

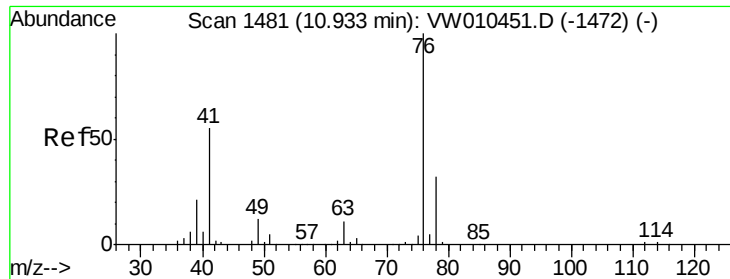
Tot Ion:	97	Resp:	13211
Ion	Ratio	Lower	Upper
97	100		
83	91.1	66.1	99.1
85	55.1	44.2	66.4
99	67.4	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 9.753 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion:	69	Resp:	18599
Ion	Ratio	Lower	Upper
69	100		
41	57.4	47.7	71.5
39	31.7	25.3	37.9

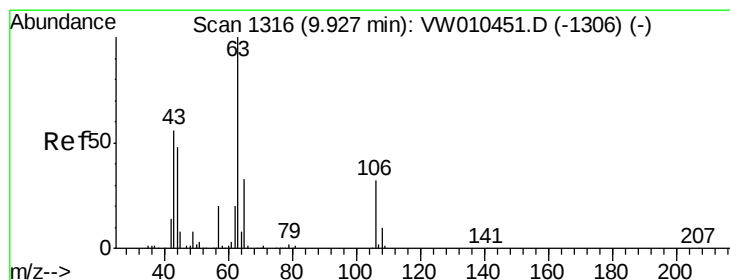
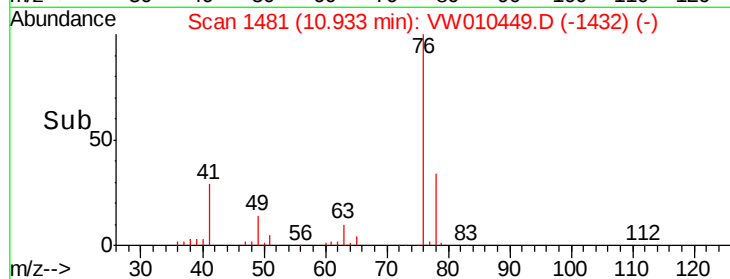
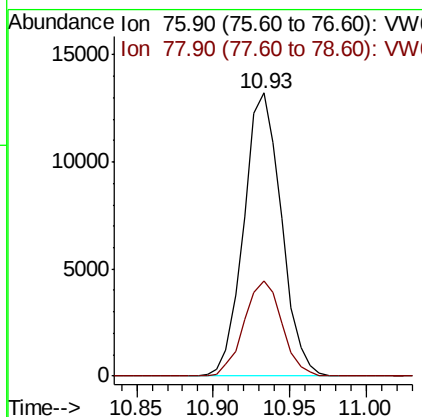
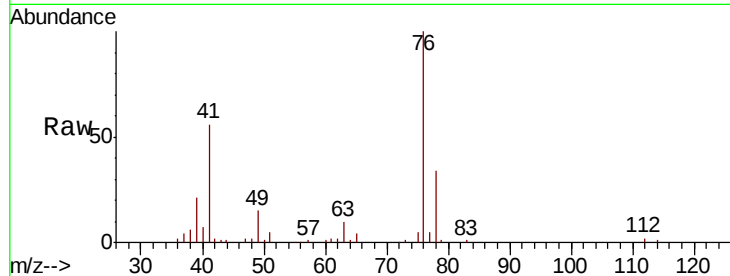




#57
 1,3-Dichloropropane
 Concen: 9.860 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

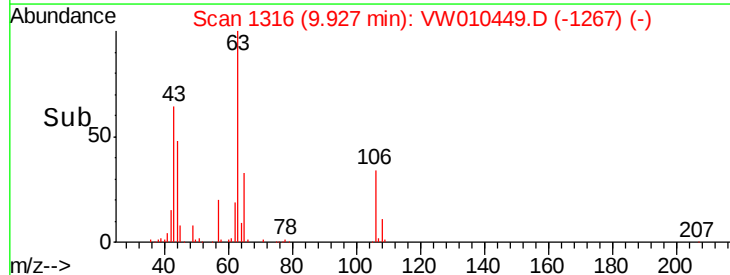
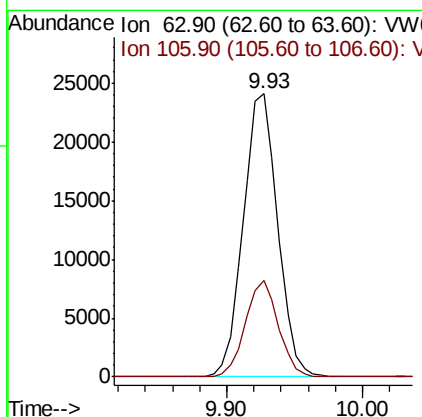
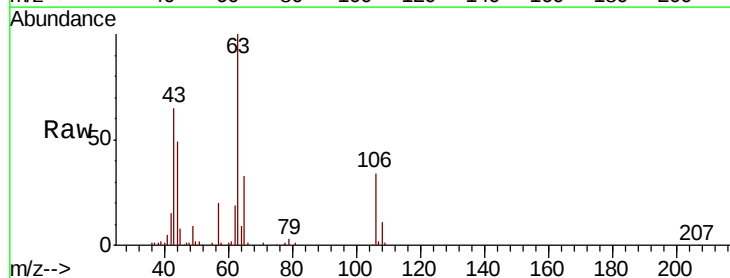
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

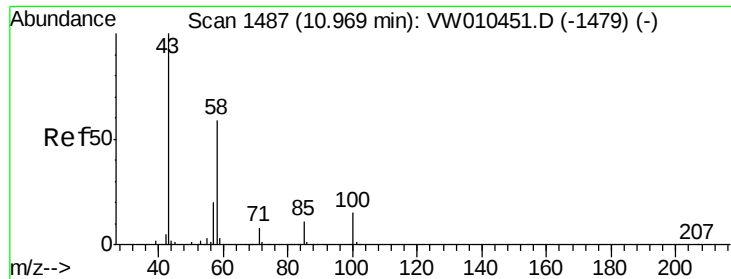
Tot Ion: 76 Resp: 22601
 Ion Ratio Lower Upper
 76 100
 78 34.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 48.094 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion: 63 Resp: 42711
 Ion Ratio Lower Upper
 63 100
 106 32.6 25.8 38.6

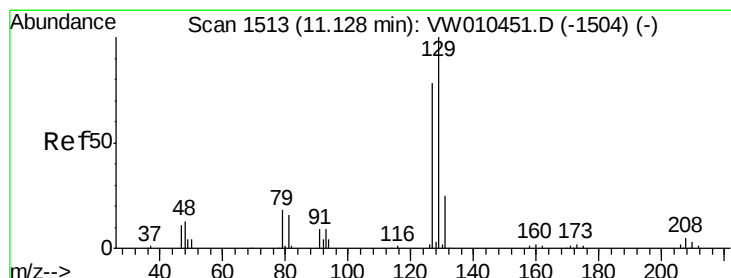
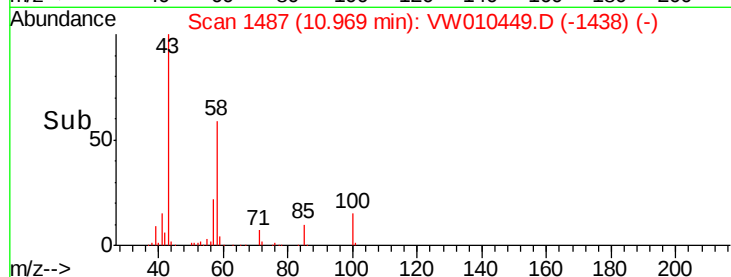
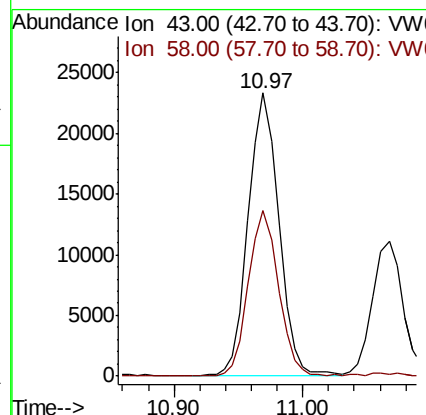
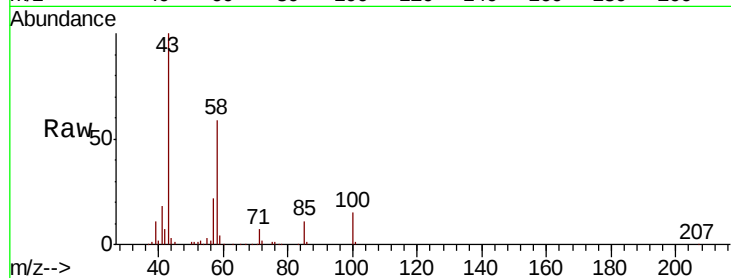




#59
2-Hexanone
Concen: 48.268 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

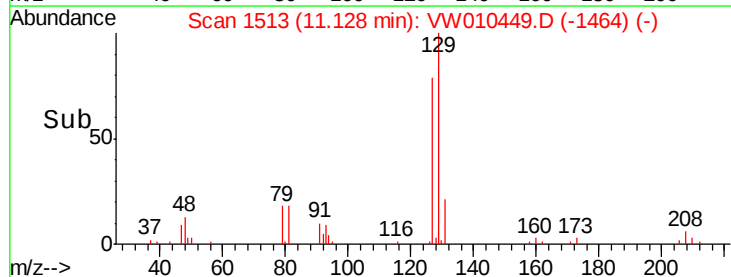
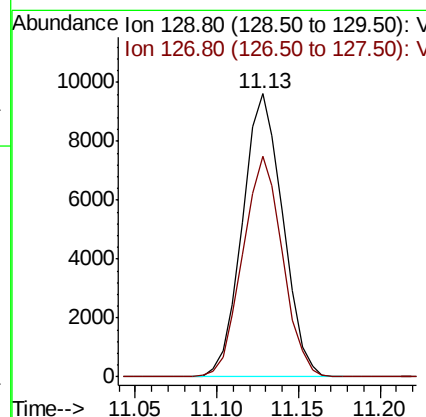
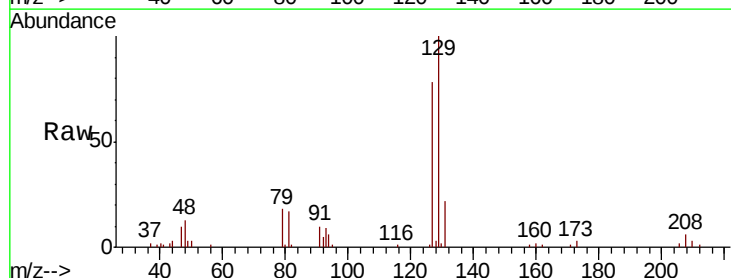
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

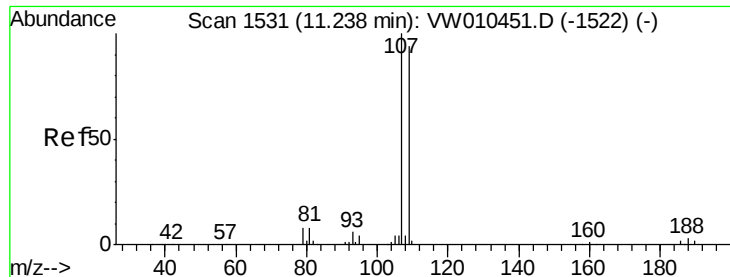
Tot Ion: 43 Resp: 38075
Ion Ratio Lower Upper
43 100
58 57.9 28.9 86.8



#60
Dibromochloromethane
Concen: 9.748 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 129 Resp: 16562
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7

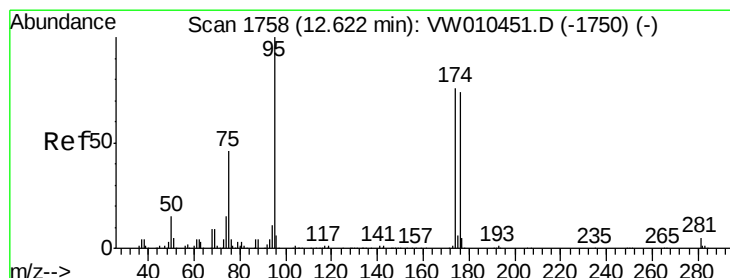
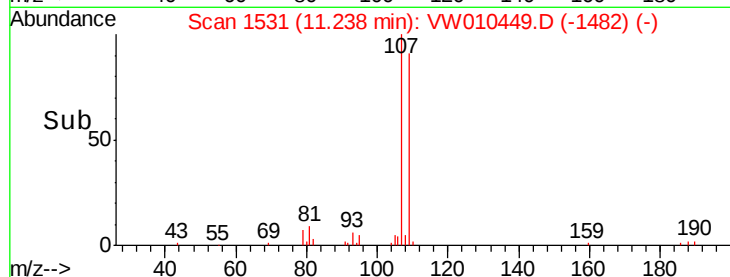
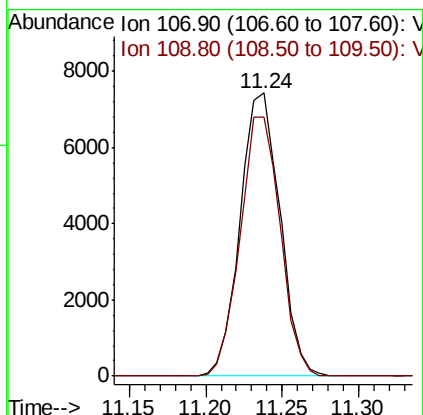
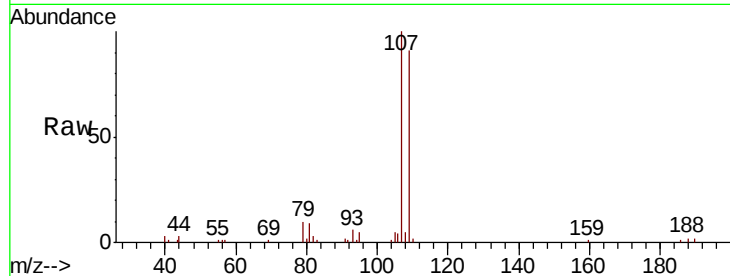




#61
 1,2-Dibromoethane
 Concen: 9.706 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

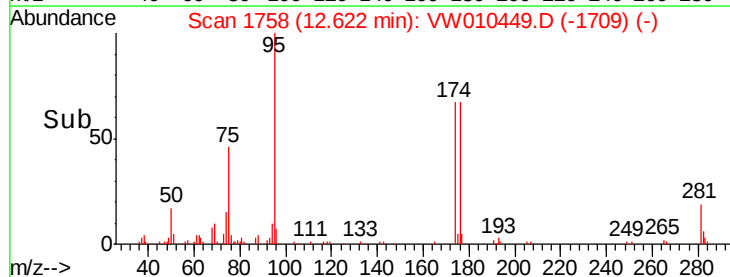
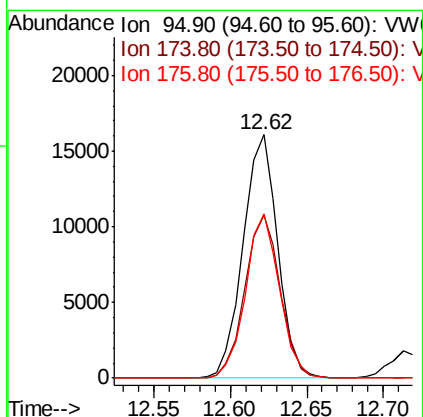
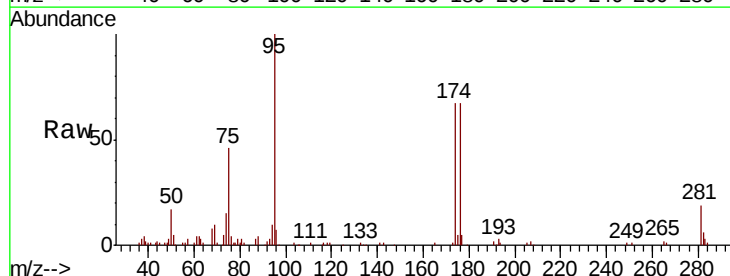
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

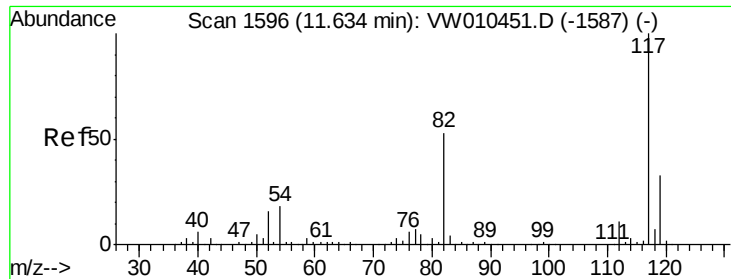
Tot Ion: 107 Resp: 13461
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 10.842 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion: 95 Resp: 25264
 Ion Ratio Lower Upper
 95 100
 174 68.3 0.0 148.6
 176 66.0 0.0 144.2

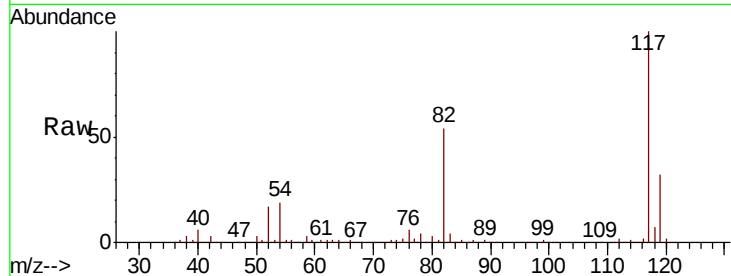




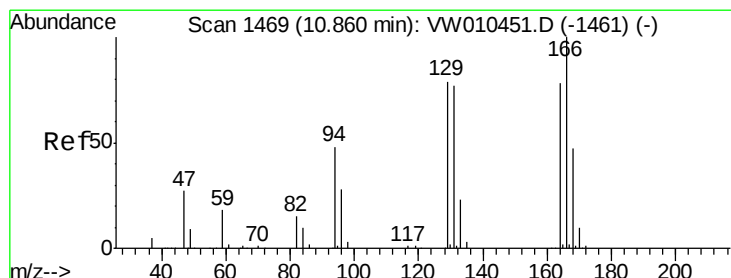
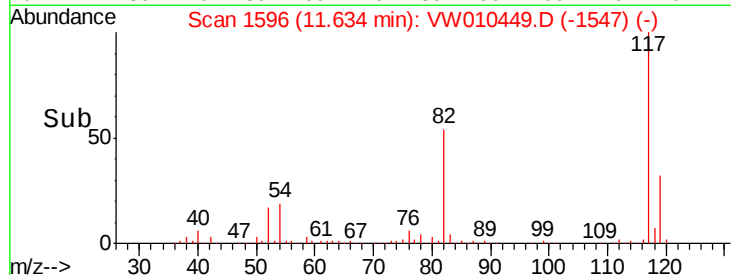
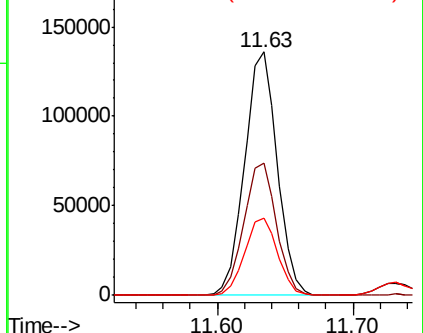
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion:117 Resp: 227724
Ion Ratio Lower Upper
117 100
82 54.3 42.8 64.2
119 31.8 26.3 39.5

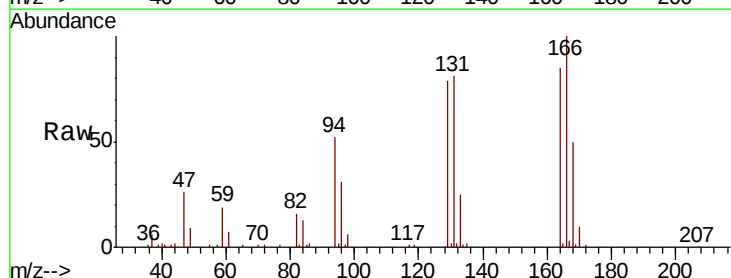


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

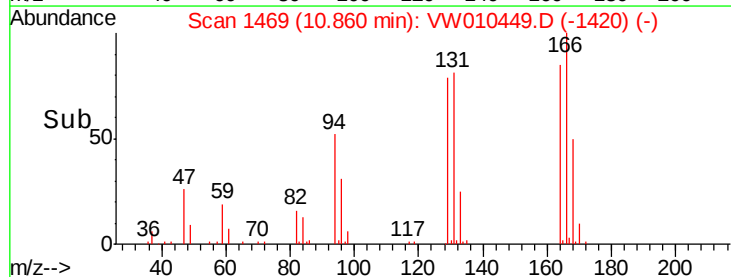
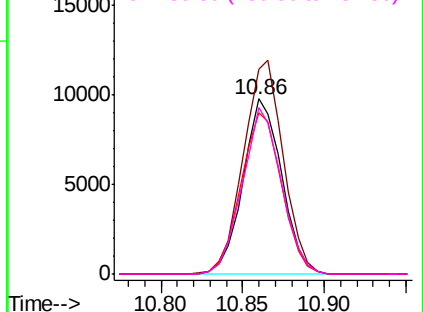


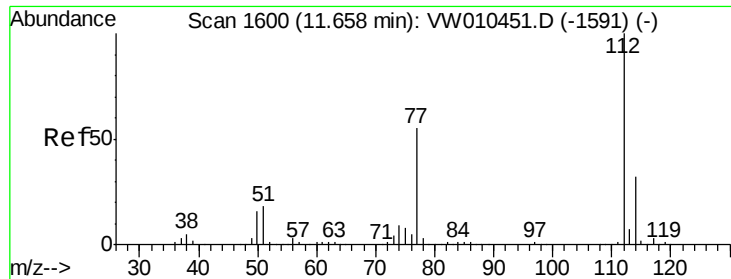
#64
Tetrachloroethene
Concen: 10.555 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion:164 Resp: 16071
Ion Ratio Lower Upper
164 100
166 117.4 101.9 152.9
129 92.5 80.6 121.0
131 95.1 78.2 117.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

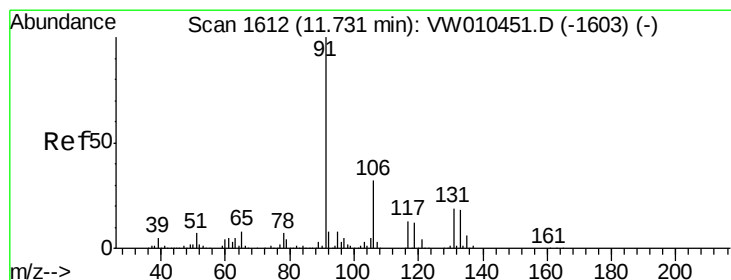
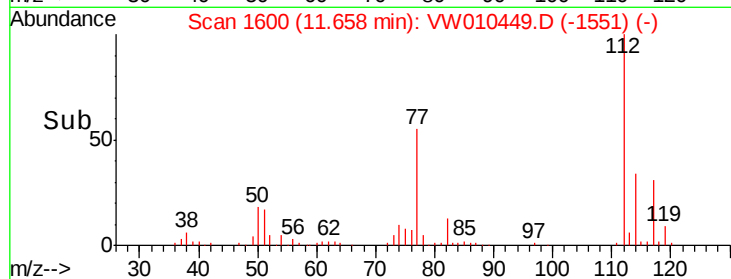
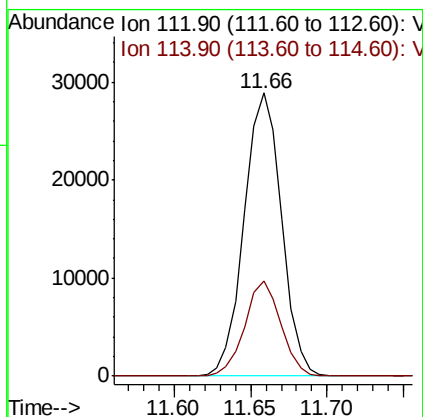
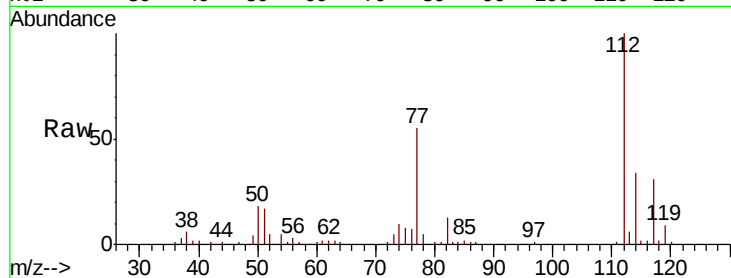




#65
Chlorobenzene
Concen: 10.494 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

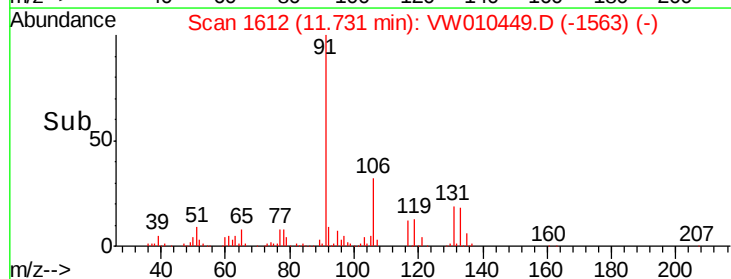
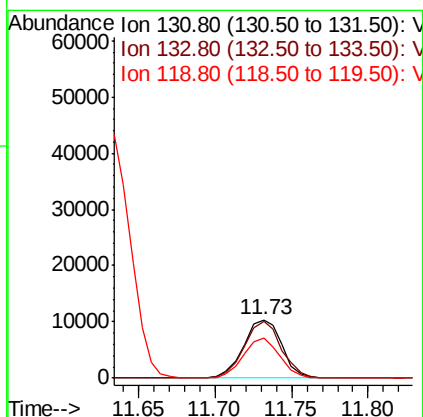
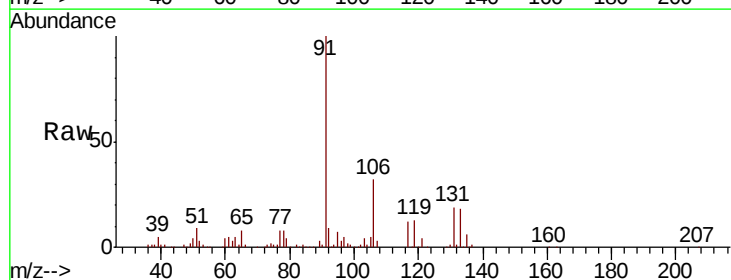
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

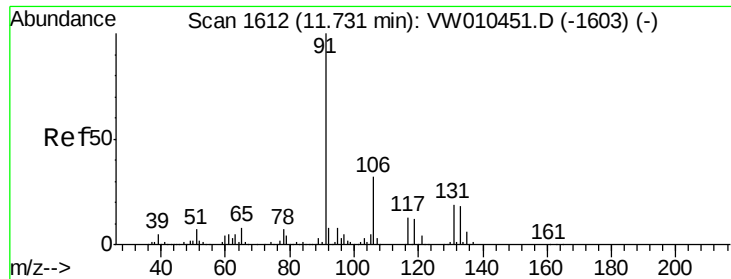
Tot Ion:112 Resp: 49123
Ion Ratio Lower Upper
112 100
114 33.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 10.420 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion:131 Resp: 17984
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.9
119 65.8 32.1 96.5

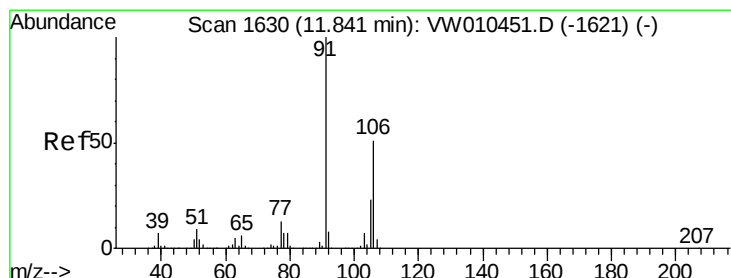
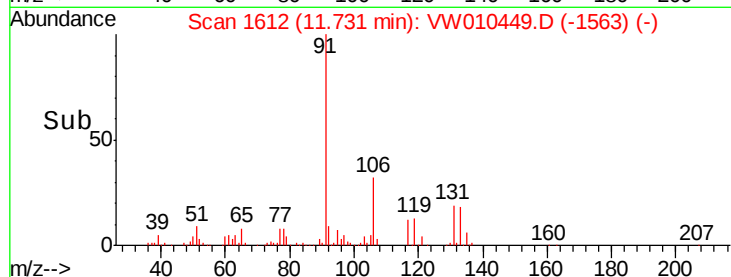
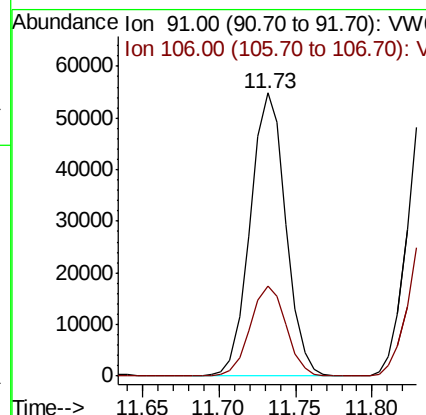
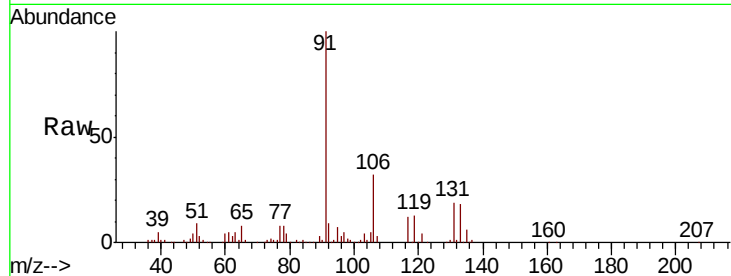




#67
Ethyl Benzene
Concen: 10.689 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

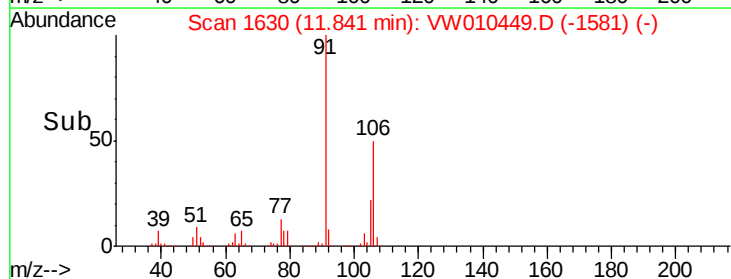
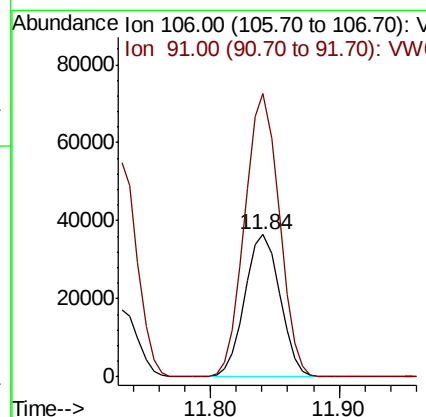
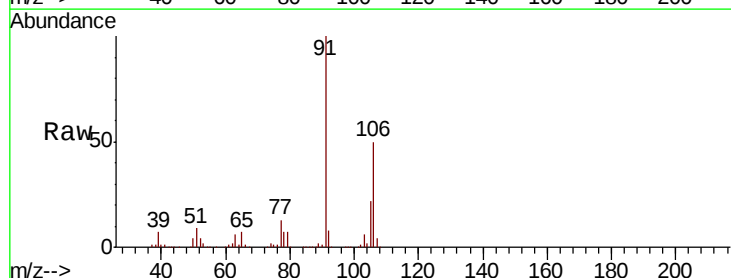
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

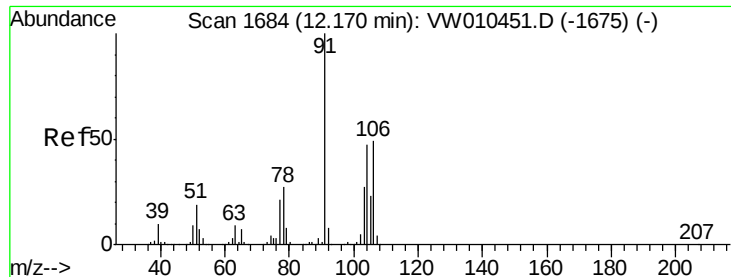
Tot Ion: 91 Resp: 88388
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9



#68
m/p-Xylenes
Concen: 21.306 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 106 Resp: 68994
Ion Ratio Lower Upper
106 100
91 196.0 156.0 234.0

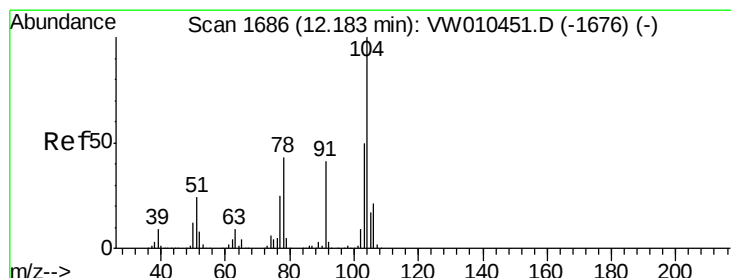
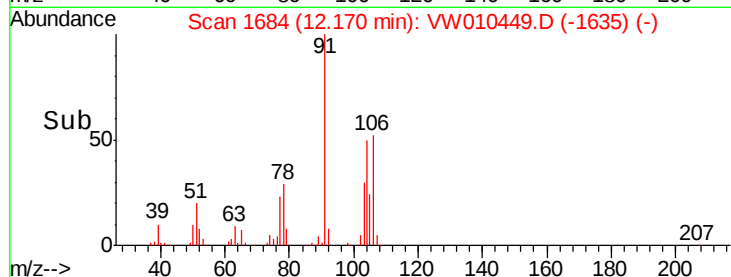
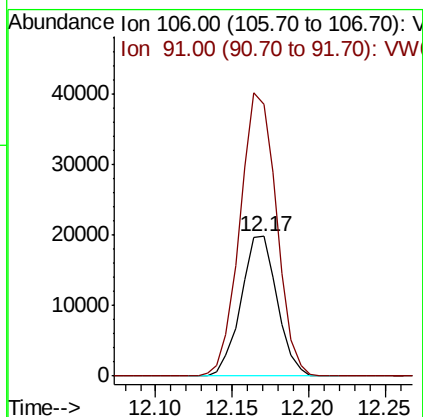
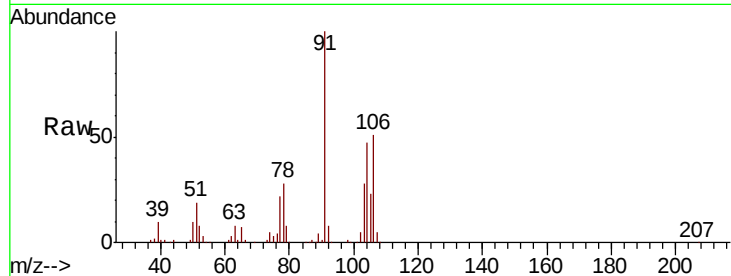




#69
o-Xylene
Concen: 10.602 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

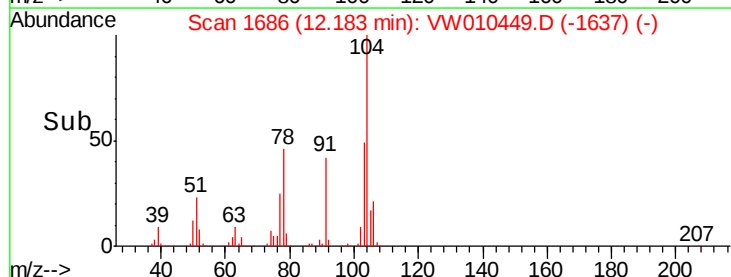
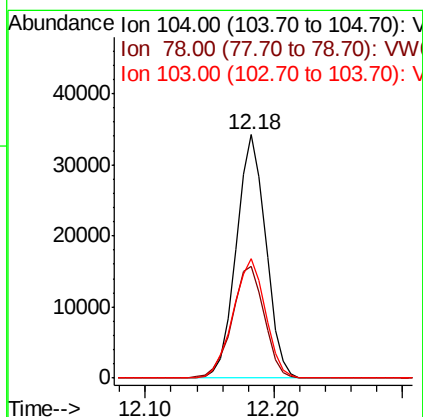
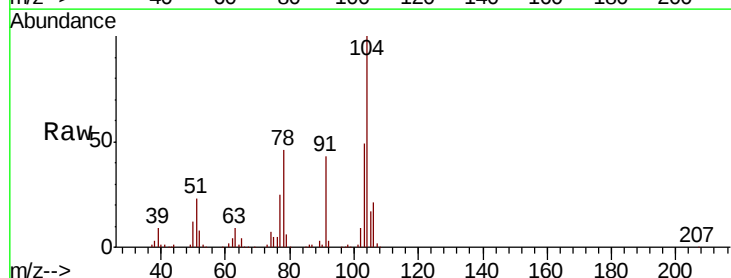
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

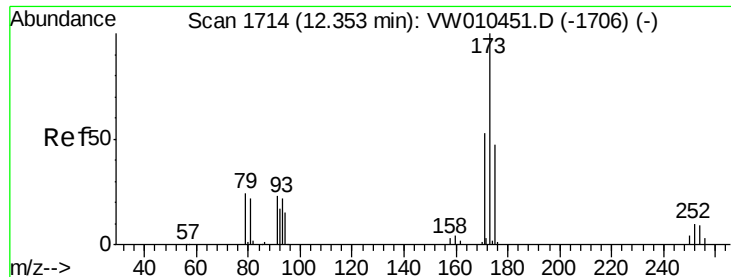
Tot Ion:106 Resp: 32663
Ion Ratio Lower Upper
106 100
91 204.4 103.2 309.4



#70
Styrene
Concen: 10.272 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion:104 Resp: 54402
Ion Ratio Lower Upper
104 100
78 50.4 39.0 58.4
103 53.7 43.0 64.6





#71

Bromoform

Concen: 9.616 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

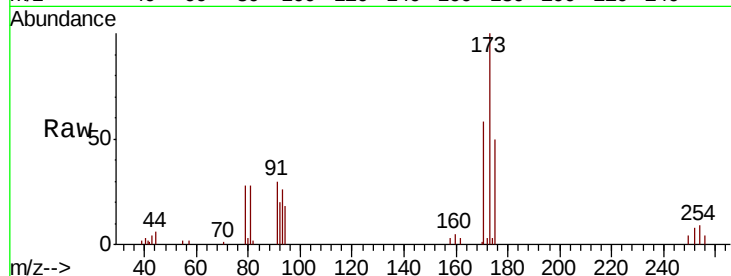
Tot Ion:173 Resp: 9223

Ion Ratio Lower Upper

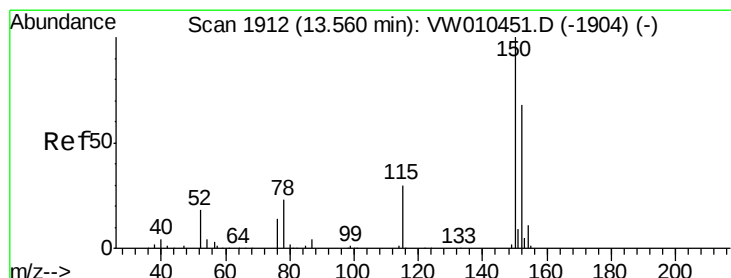
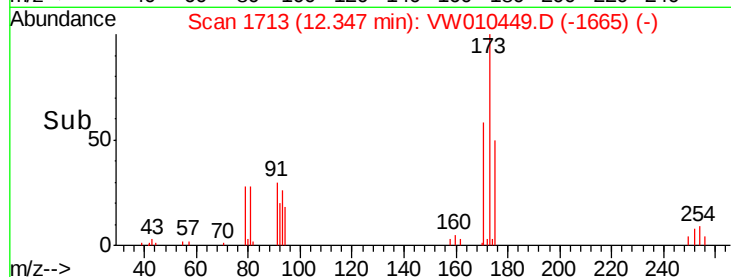
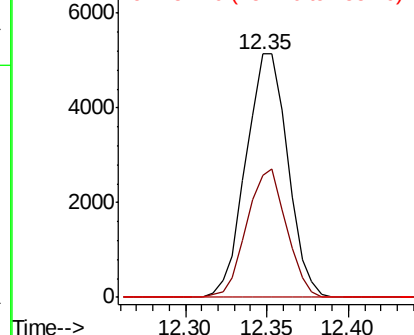
173 100

175 49.6 24.4 73.4

254 0.0 0.0 0.0



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: VW010449.D

Acq: 20 May 2019 15:36

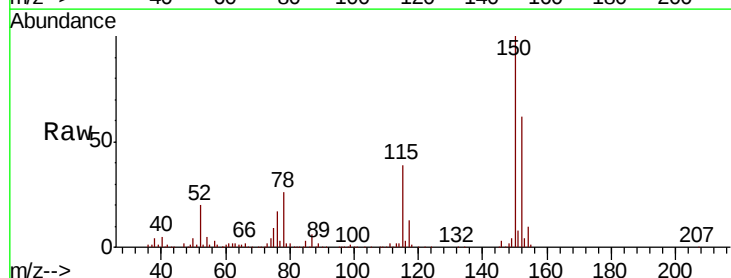
Tgt Ion:152 Resp: 105832

Ion Ratio Lower Upper

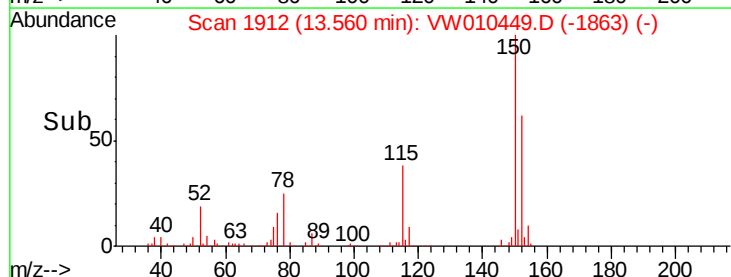
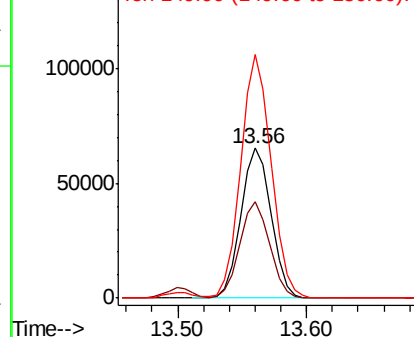
152 100

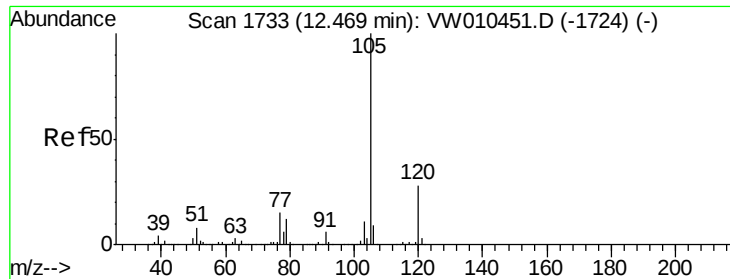
115 63.5 30.3 91.0

150 163.1 0.0 349.8



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: 10.734 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

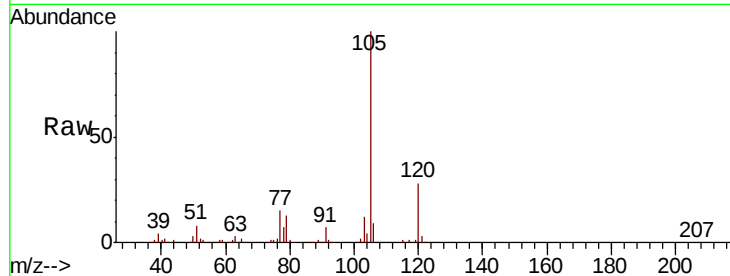
VSTDIC010

Tot Ion:105 Resp: 89190

Ion Ratio Lower Upper

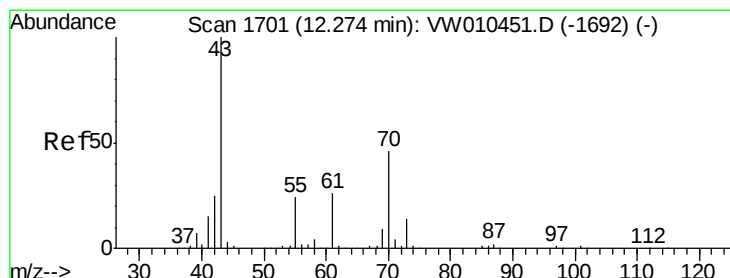
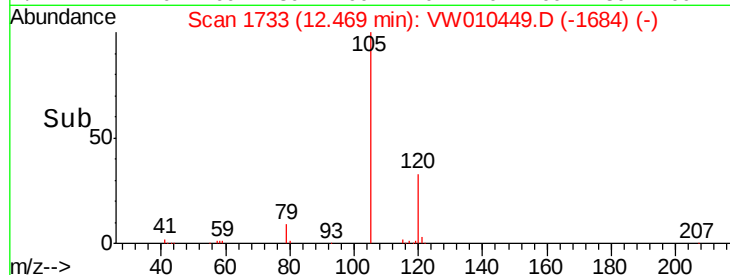
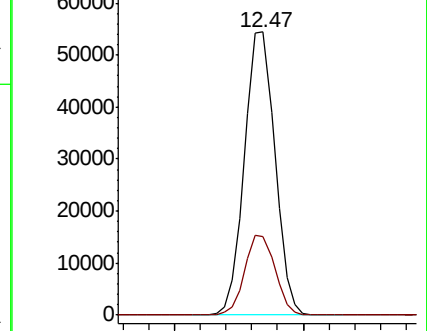
105 100

120 27.9 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.732 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion: 43 Resp: 20247

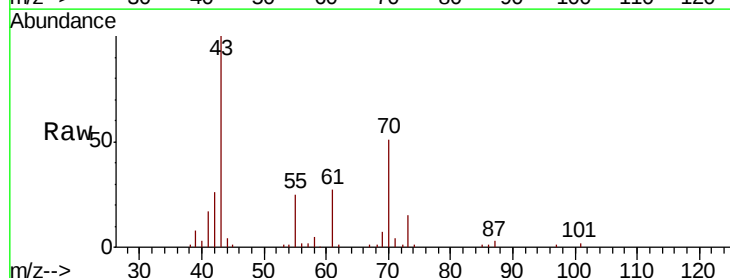
Ion Ratio Lower Upper

43 100

70 48.1 37.1 55.7

55 26.8 19.6 29.4

61 27.1 20.7 31.1

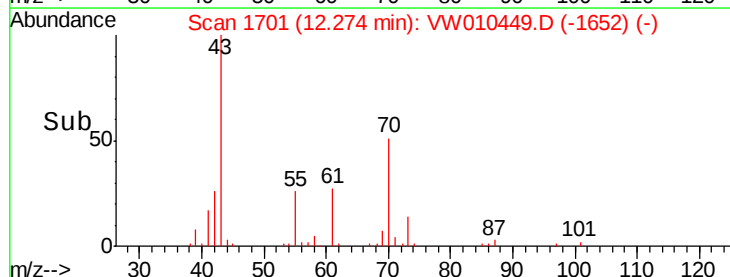
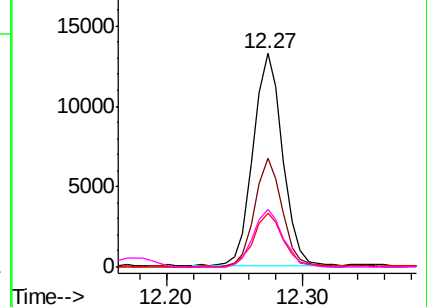


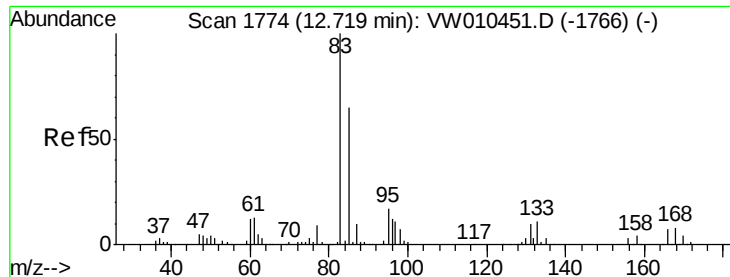
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 10.450 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

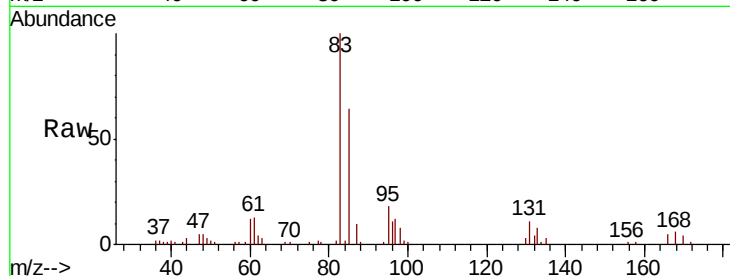
Tot Ion: 83 Resp: 16835

Ion Ratio Lower Upper

83 100

131 11.9 5.6 16.8

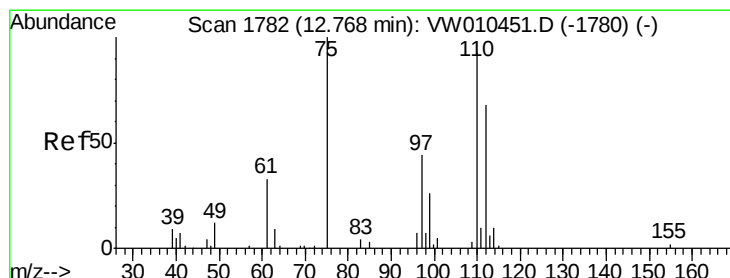
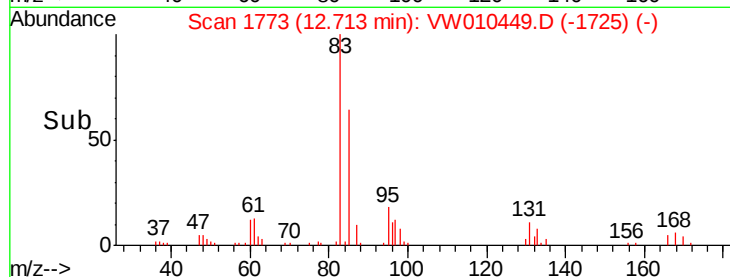
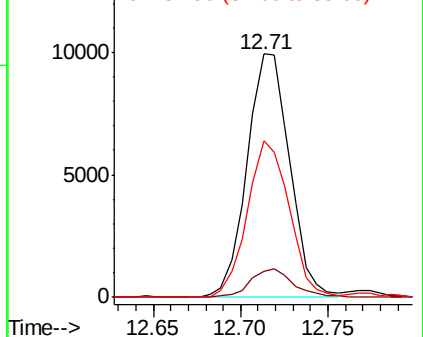
85 63.2 32.4 97.0



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



#76

1,2,3-Trichloropropane

Concen: 18.595 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010449.D

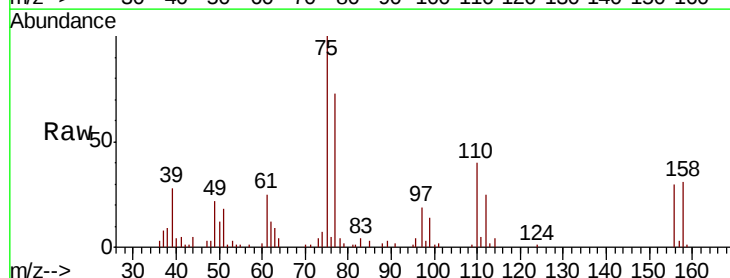
Acq: 20 May 2019 15:36

Tgt Ion: 75 Resp: 20885

Ion Ratio Lower Upper

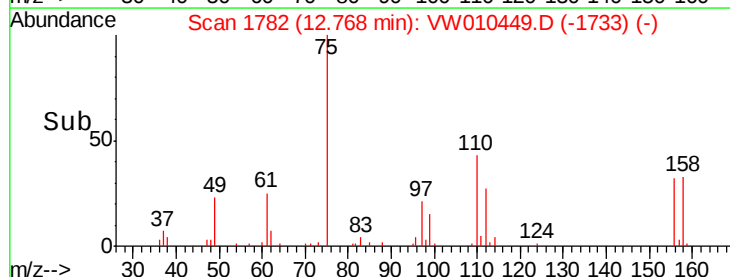
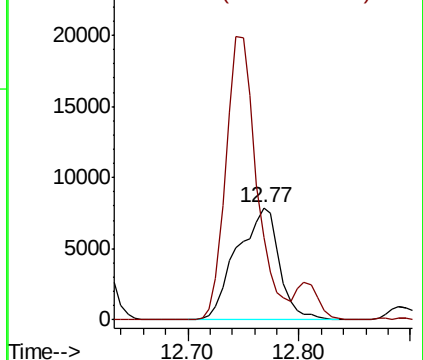
75 100

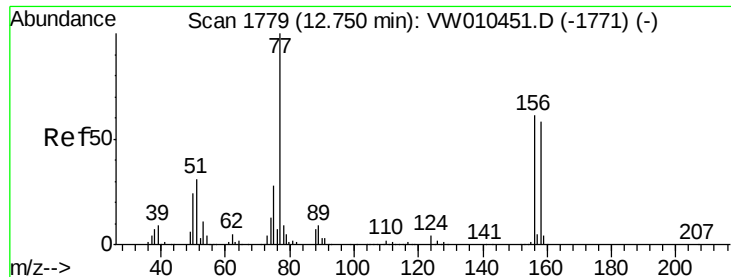
77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.359 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

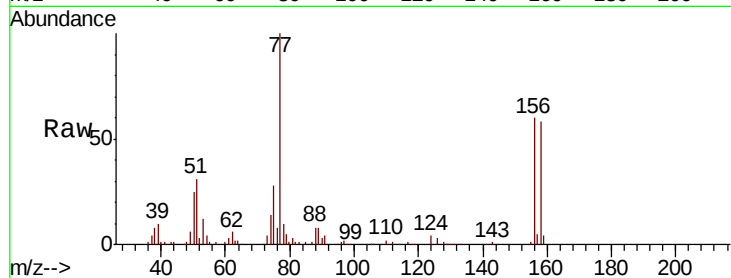
Tot Ion:156 Resp: 19393

Ion Ratio Lower Upper

156 100

77 198.9 92.4 277.2

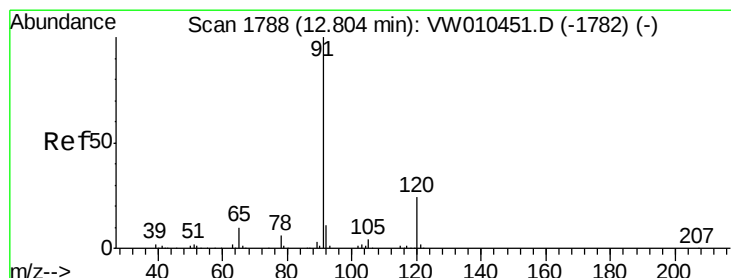
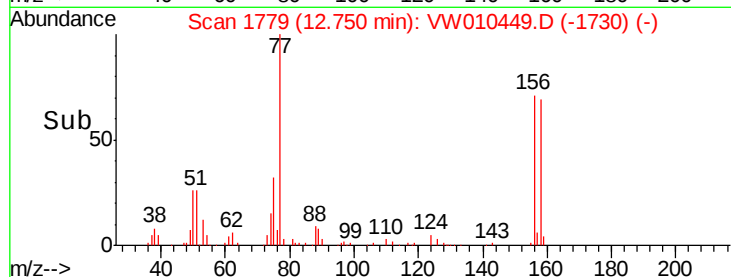
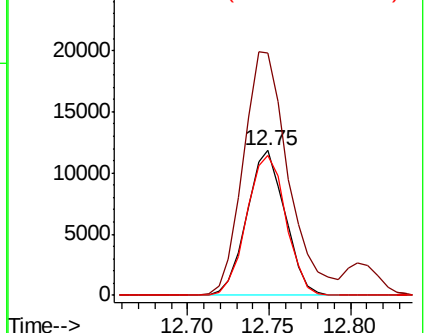
158 98.4 48.3 144.8



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: 10.763 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010449.D

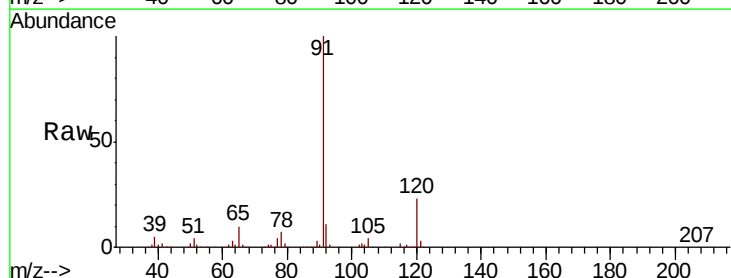
Acq: 20 May 2019 15:36

Tgt Ion: 91 Resp: 103466

Ion Ratio Lower Upper

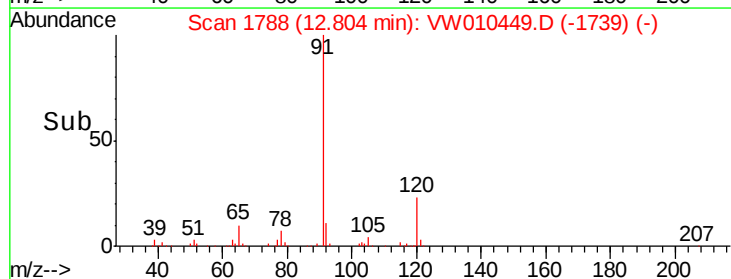
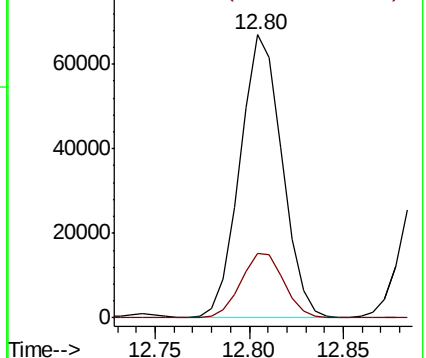
91 100

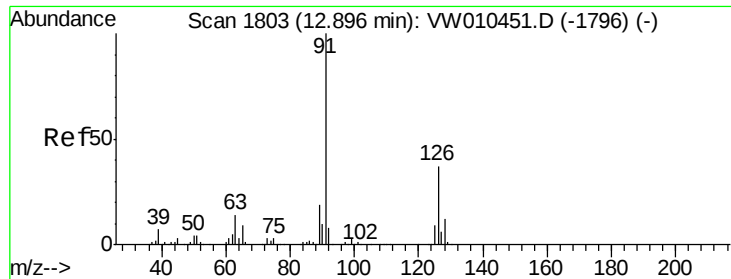
120 23.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.854 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

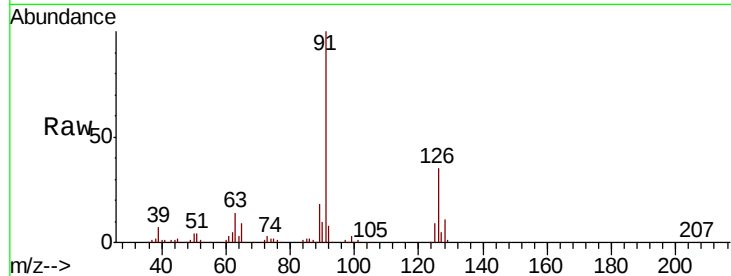
VSTDIC010

Tot Ion: 91 Resp: 60884

Ion Ratio Lower Upper

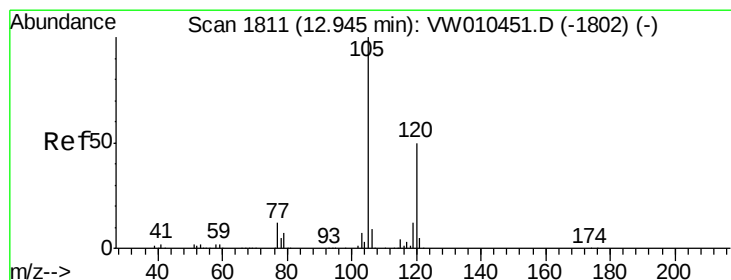
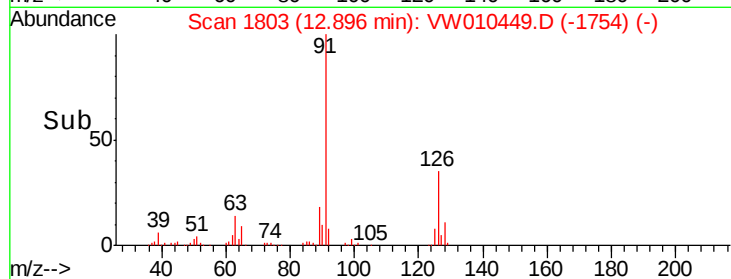
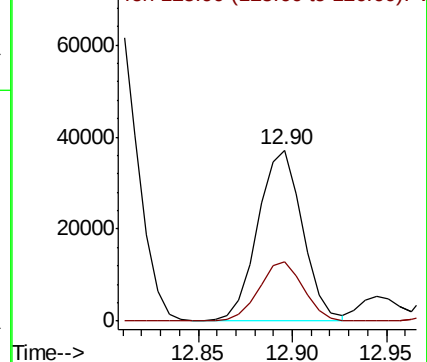
91 100

126 34.5 17.4 52.3



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: 10.637 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010449.D

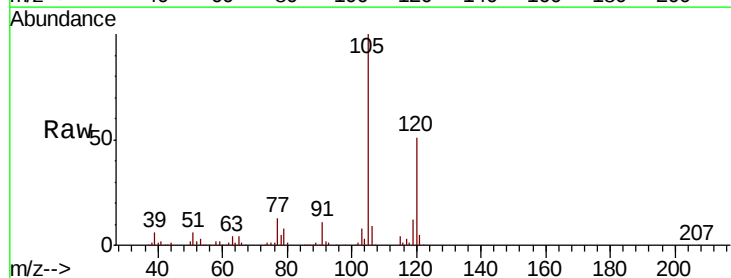
Acq: 20 May 2019 15:36

Tgt Ion:105 Resp: 75047

Ion Ratio Lower Upper

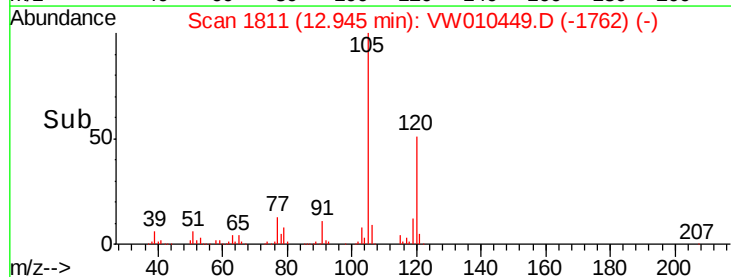
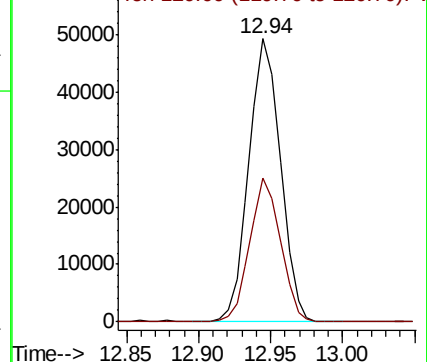
105 100

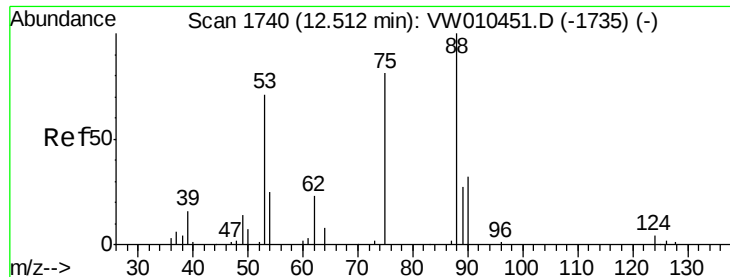
120 49.2 25.2 75.6



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: 9.541 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

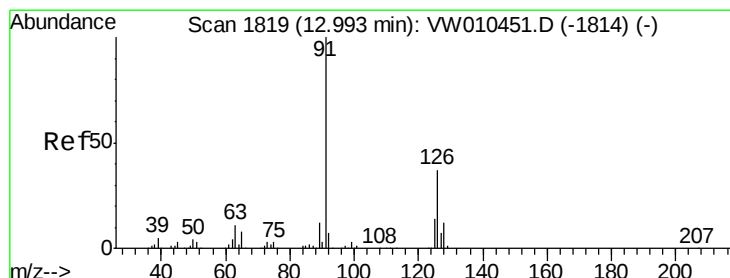
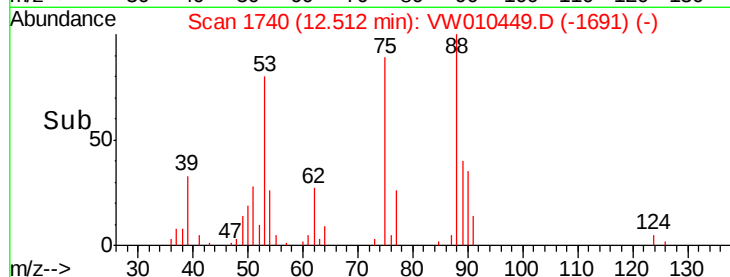
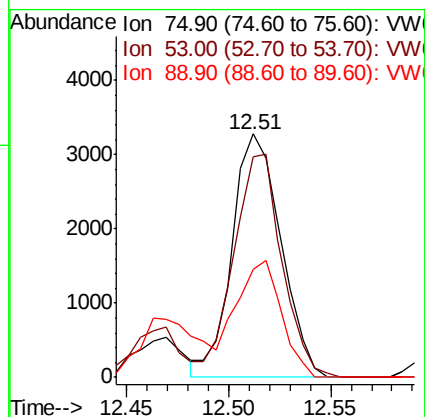
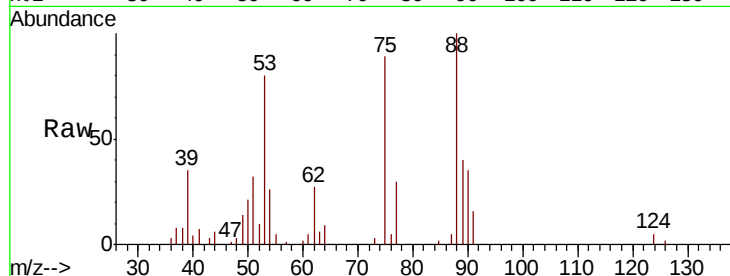
Tot Ion: 75 Resp: 5430

Ion Ratio Lower Upper

75 100

53 91.1 69.8 104.8

89 44.4 39.5 59.3



#82

4-Chlorotoluene

Concen: 10.761 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW010449.D

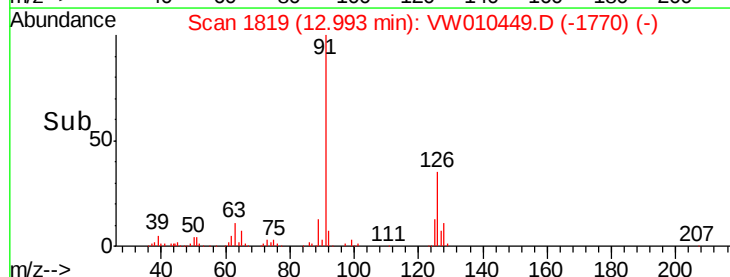
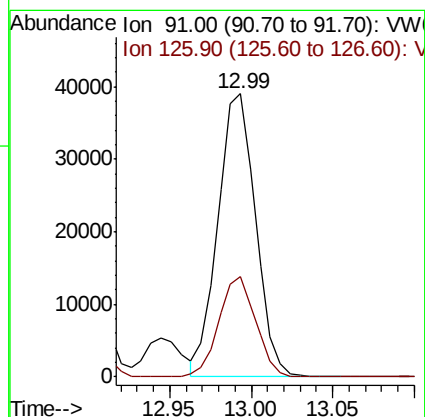
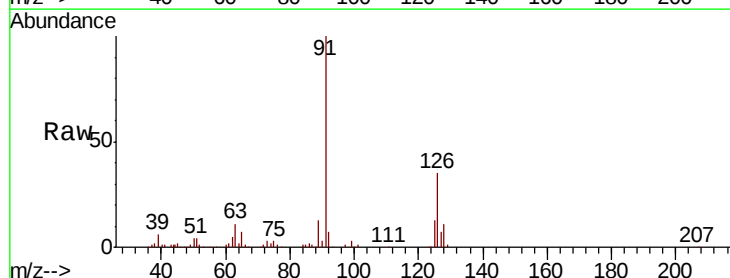
Acq: 20 May 2019 15:36

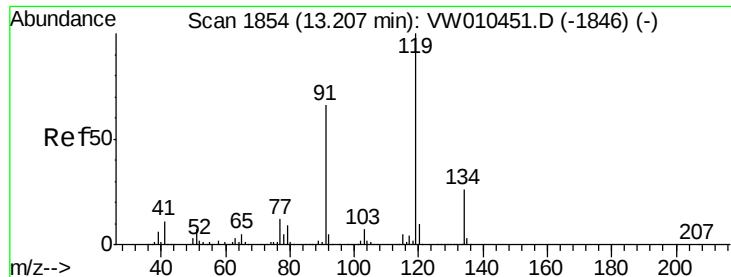
Tgt Ion: 91 Resp: 62922

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.6

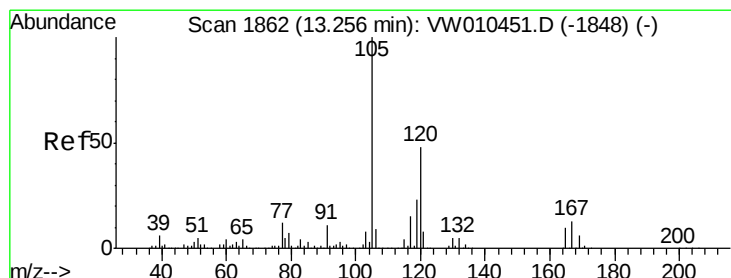
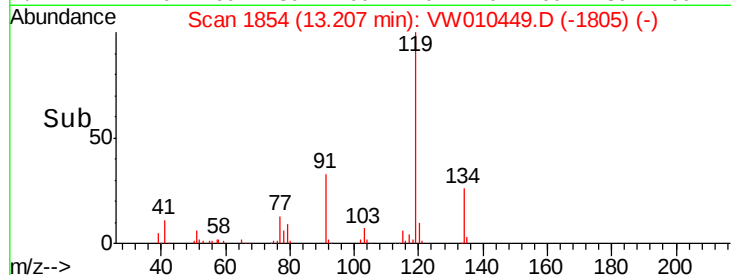
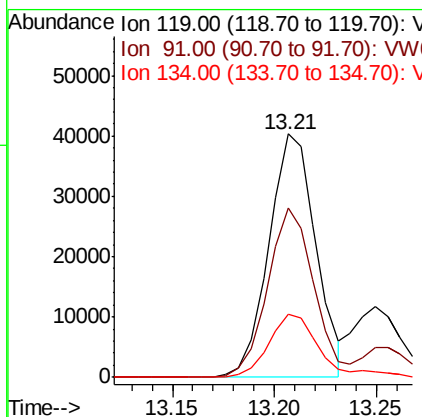
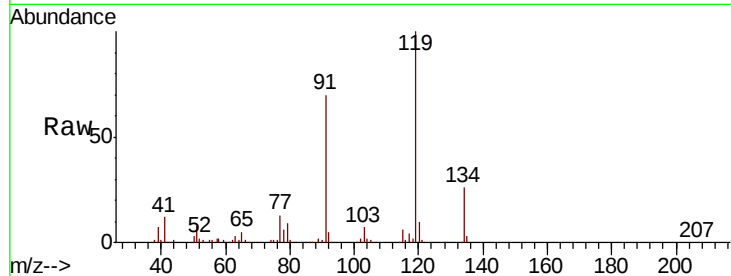




#83
tert-Butylbenzene
Concen: 10.831 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

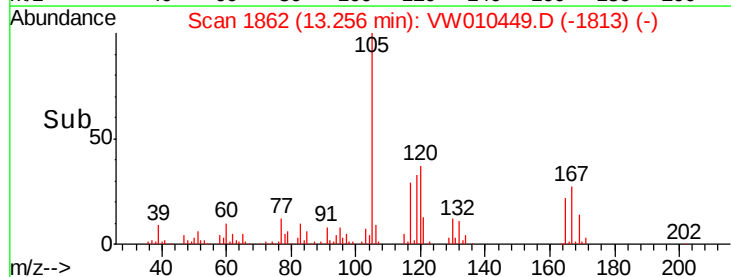
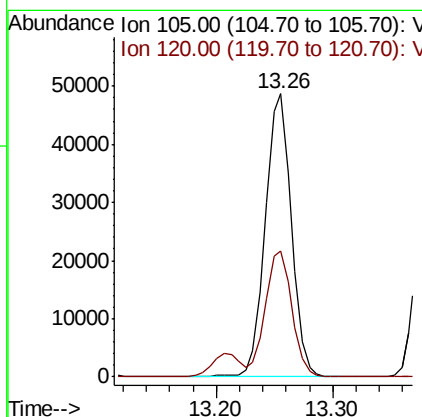
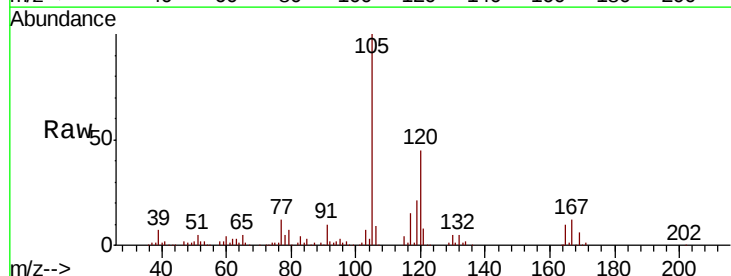
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

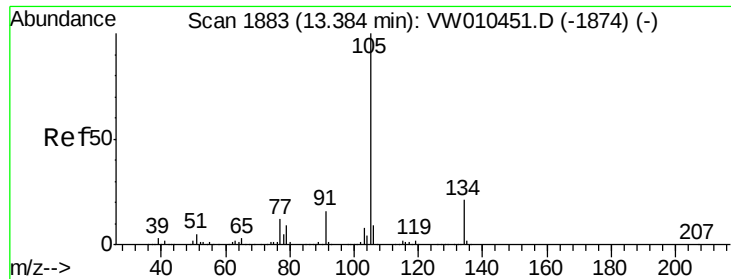
Tot Ion:119 Resp: 64802
Ion Ratio Lower Upper
119 100
91 68.8 33.1 99.5
134 28.2 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 10.918 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion:105 Resp: 75935
Ion Ratio Lower Upper
105 100
120 45.5 23.4 70.2





#85

sec-Butylbenzene

Concen: 10.983 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

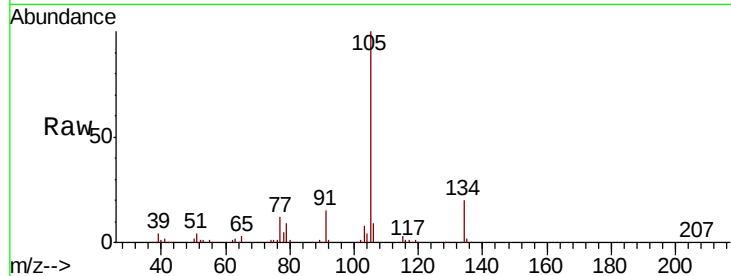
VSTDIC010

Tot Ion:105 Resp: 92433

Ion Ratio Lower Upper

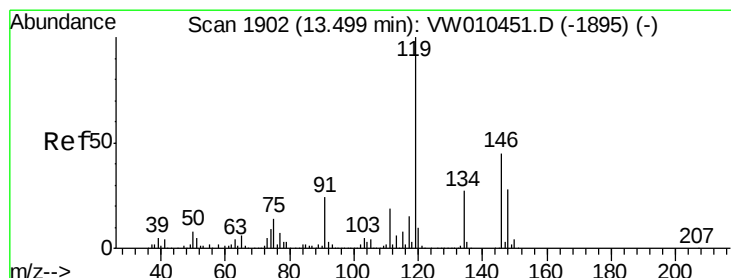
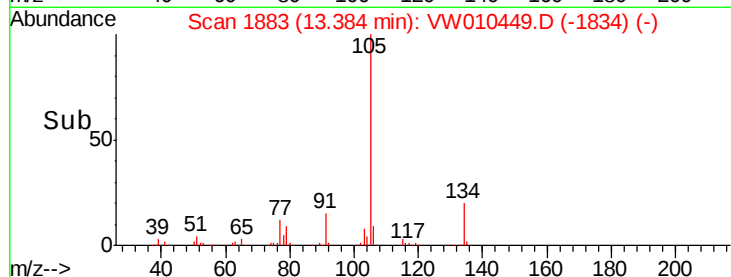
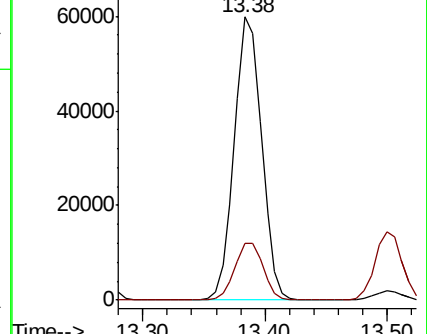
105 100

134 21.0 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.930 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

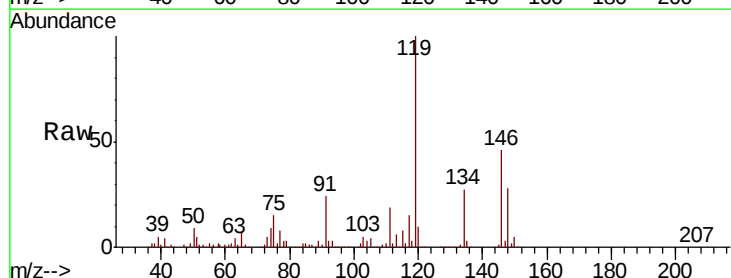
Tgt Ion:119 Resp: 83298

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

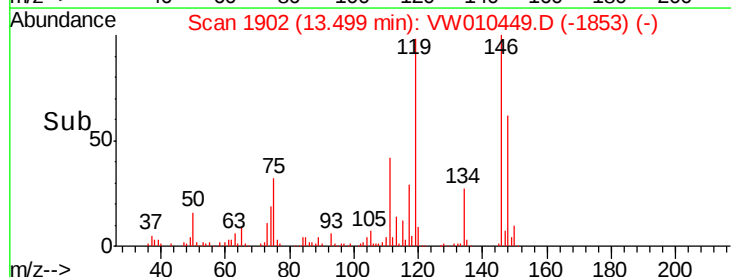
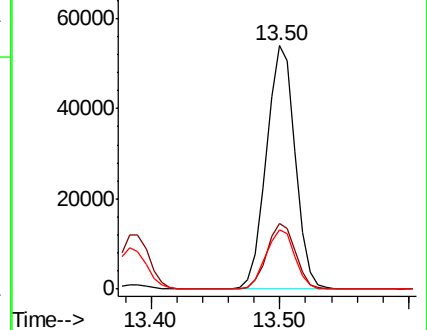
91 24.6 11.9 35.7

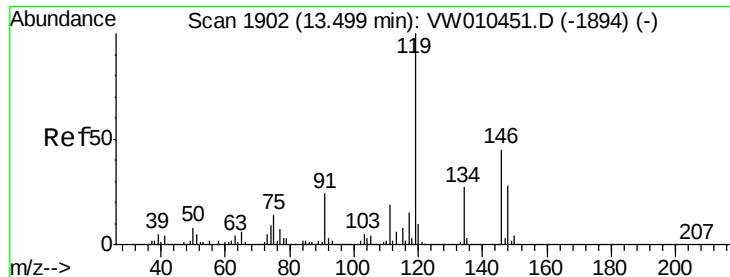


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

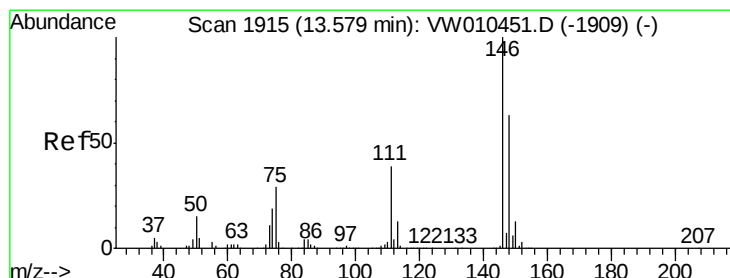
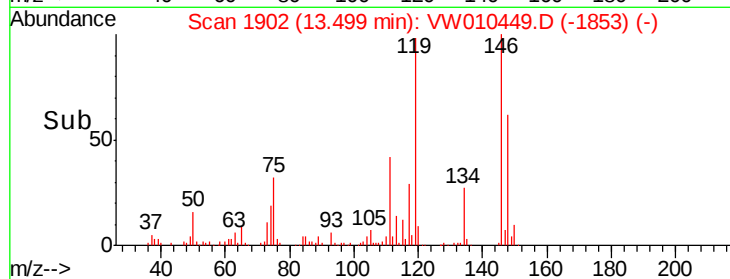
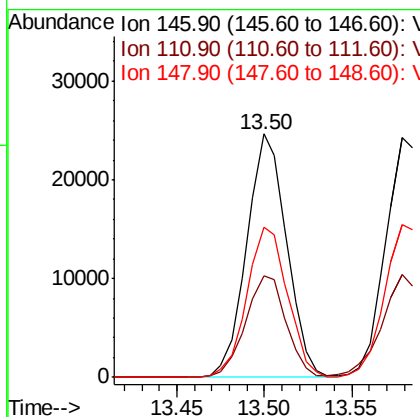
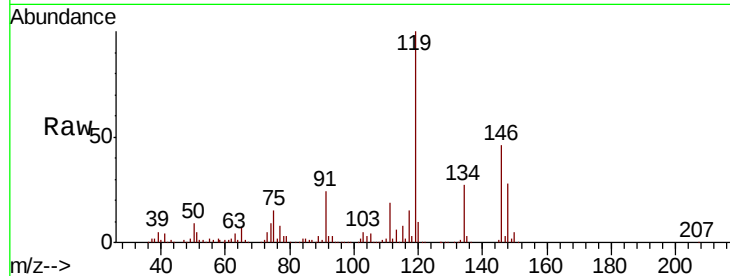




#87
 1,3-Dichlorobenzene
 Concen: 10.851 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

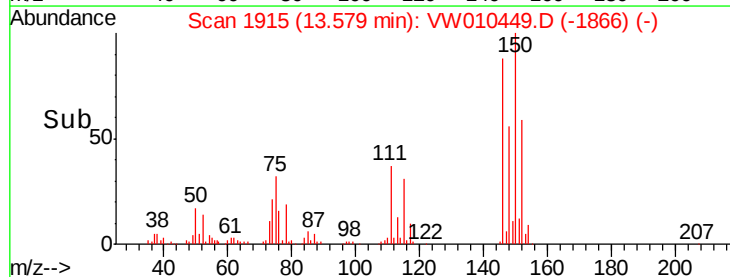
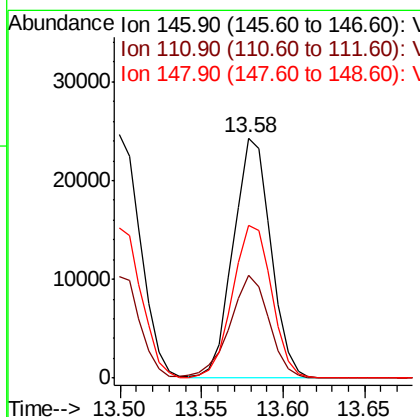
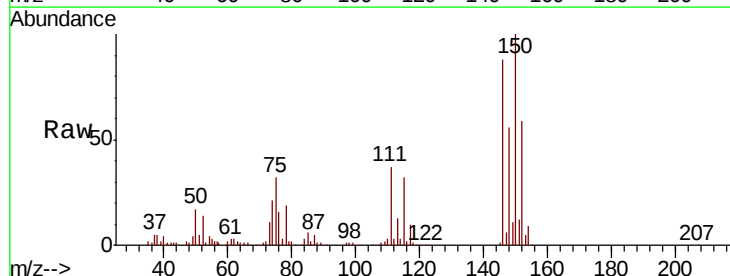
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

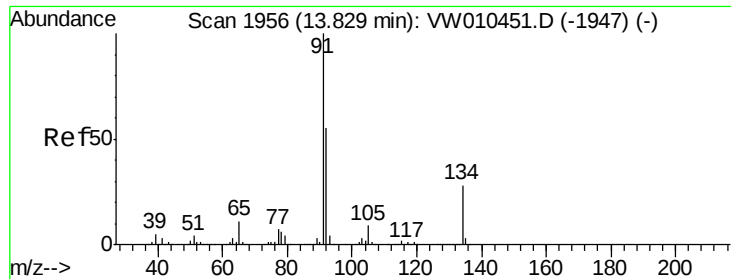
Tot Ion:146 Resp: 39154
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.3 60.9
 148 62.6 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 10.823 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion:146 Resp: 38979
 Ion Ratio Lower Upper
 146 100
 111 44.7 19.9 59.6
 148 66.3 31.6 94.8





#89

n-Butylbenzene

Concen: 10.838 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

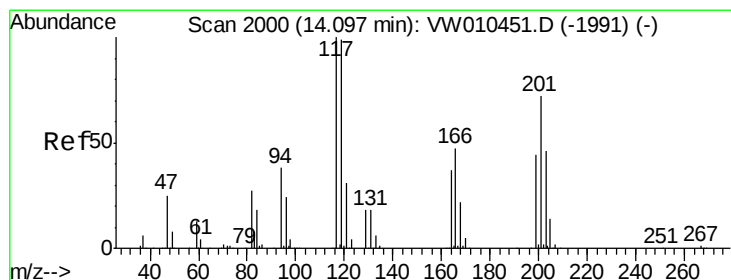
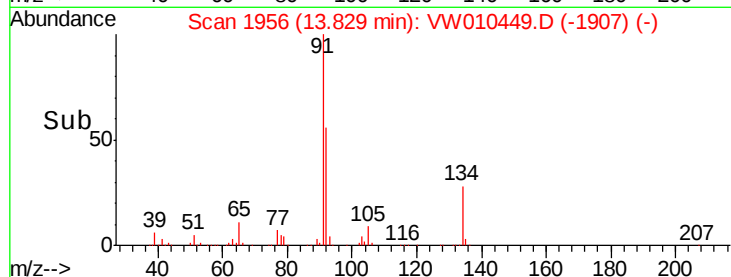
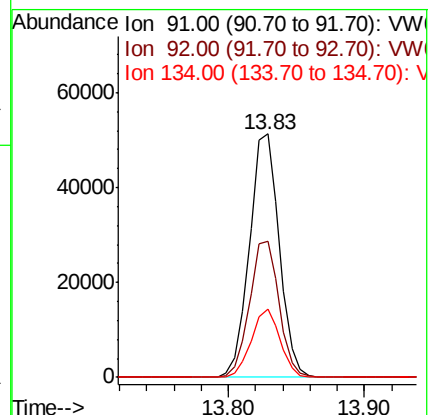
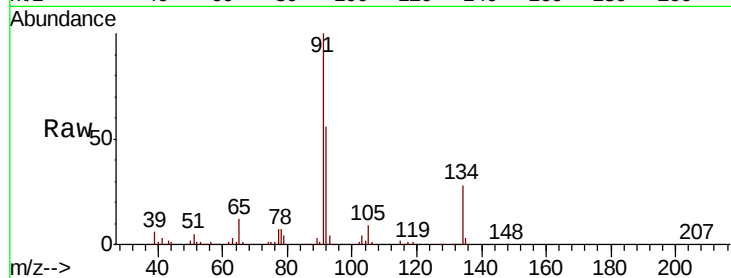
Tot Ion: 91 Resp: 78700

Ion Ratio Lower Upper

91 100

92 55.6 27.7 83.1

134 26.9 13.9 41.6



#90

Hexachloroethane

Concen: 10.435 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010449.D

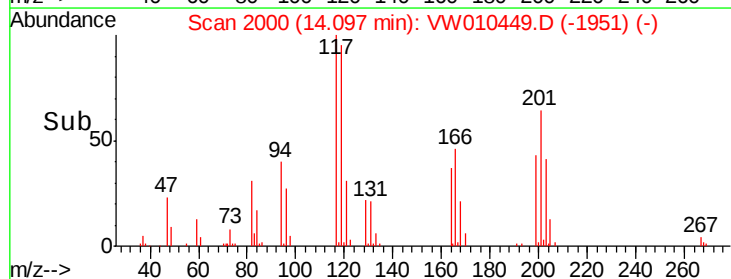
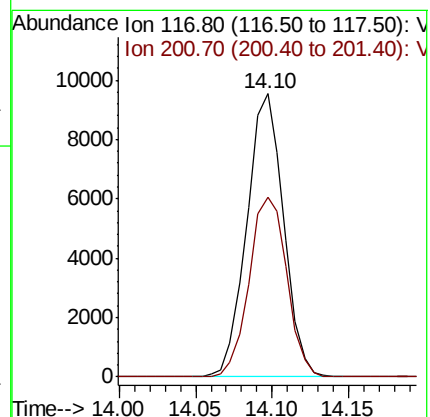
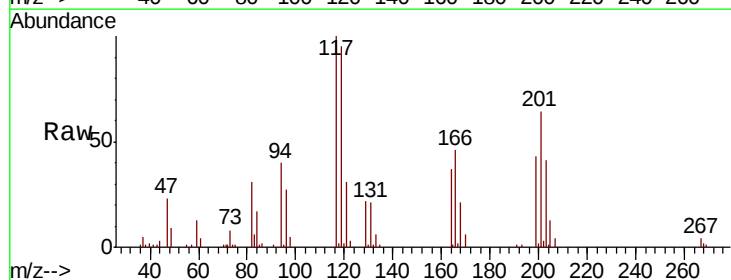
Acq: 20 May 2019 15:36

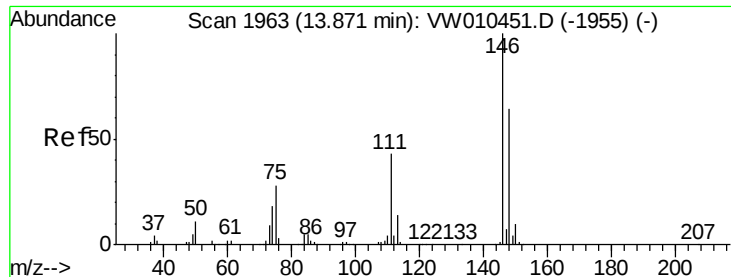
Tgt Ion: 117 Resp: 15928

Ion Ratio Lower Upper

117 100

201 65.0 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 10.814 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

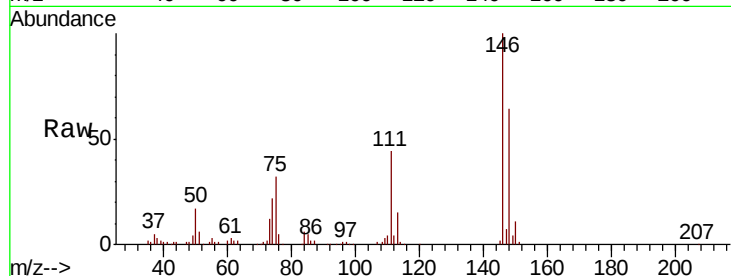
Tot Ion:146 Resp: 35341

Ion Ratio Lower Upper

146 100

111 43.8 21.3 64.0

148 64.0 32.0 96.0

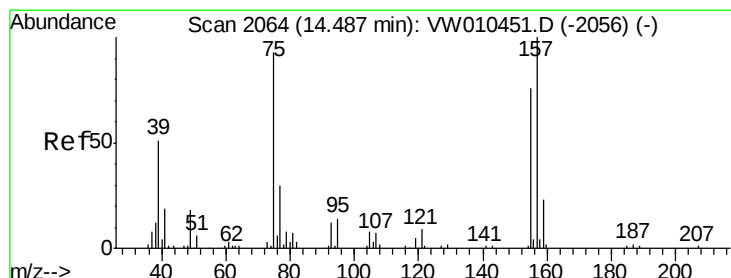
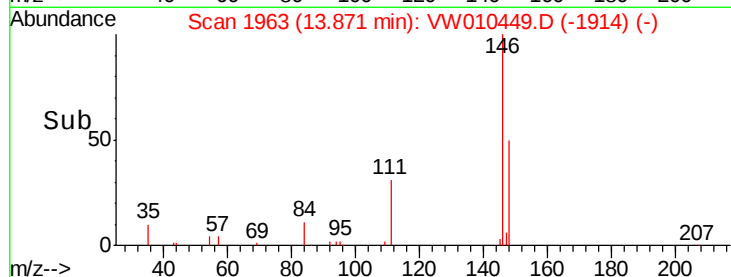
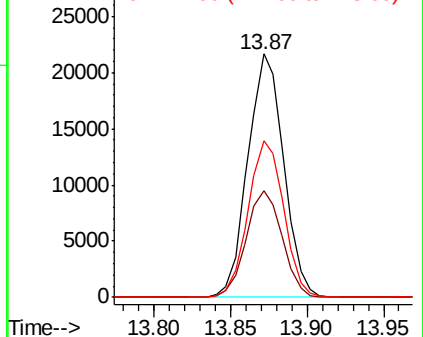


Abundance

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: 11.223 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

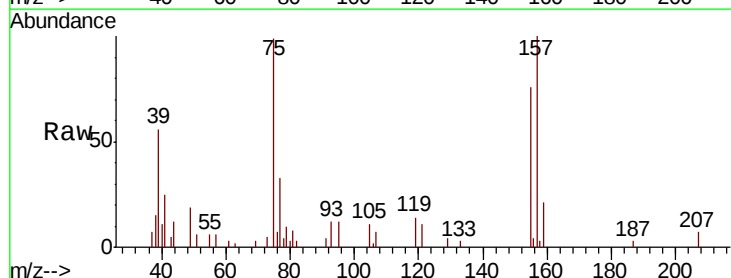
Tgt Ion: 75 Resp: 3372

Ion Ratio Lower Upper

75 100

155 79.3 43.0 129.0

157 105.8 55.7 167.1

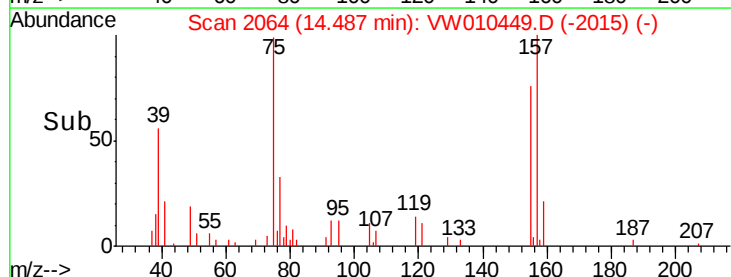
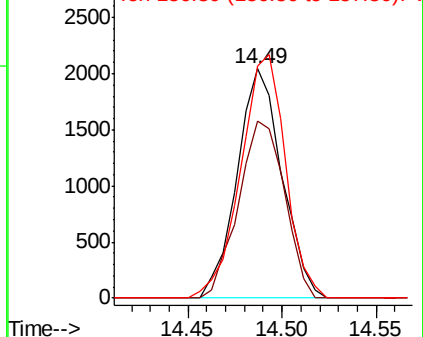


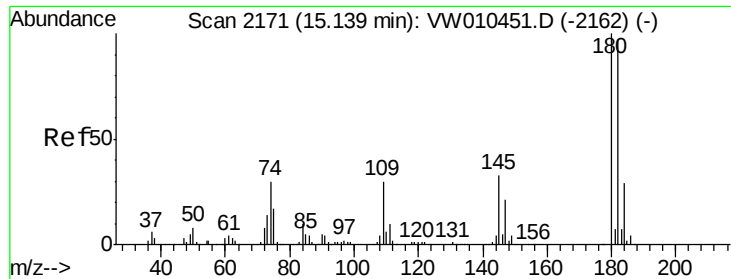
Abundance

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

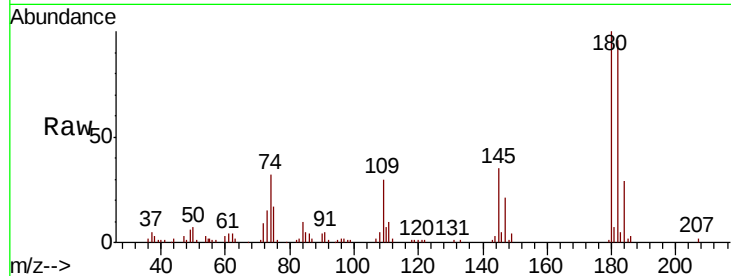




#93
 1,2,4-Trichlorobenzene
 Concen: 11.180 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.2
145	34.1	16.7	50.0

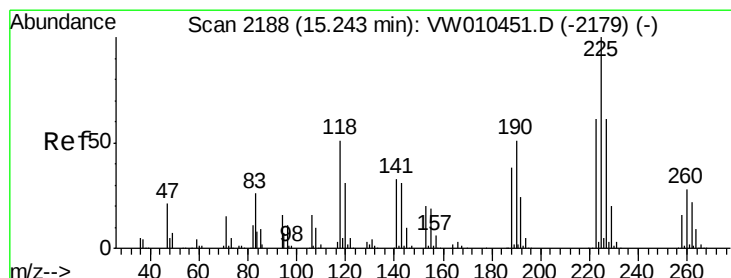
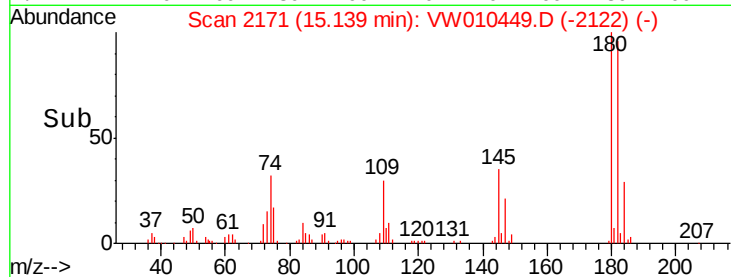
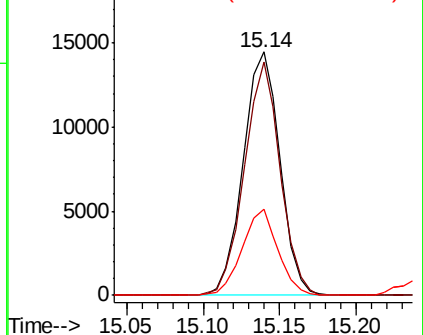


Abundance

Ion 179.80 (179.50 to 180.50): V

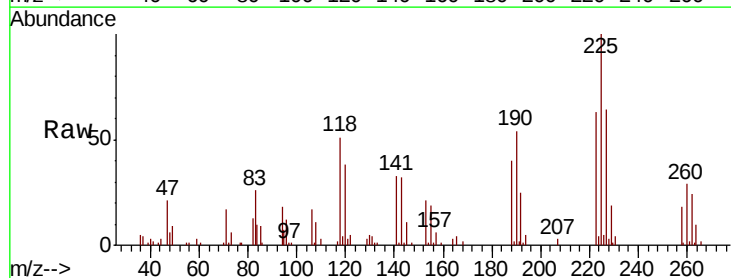
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 10.689 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.1	93.2
227	65.3	31.1	93.5

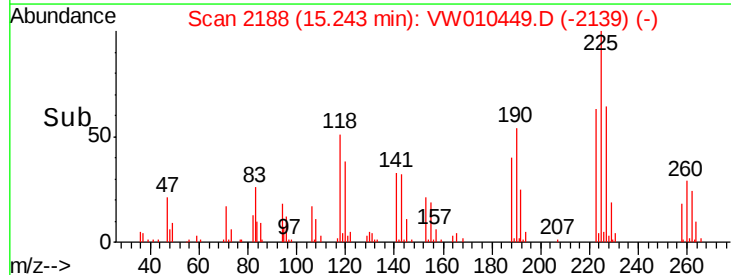
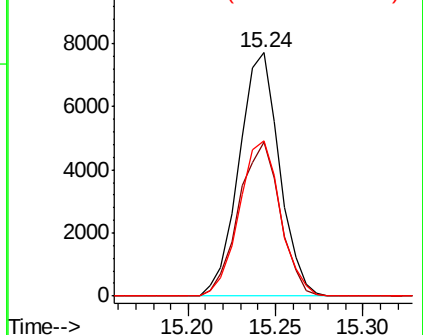


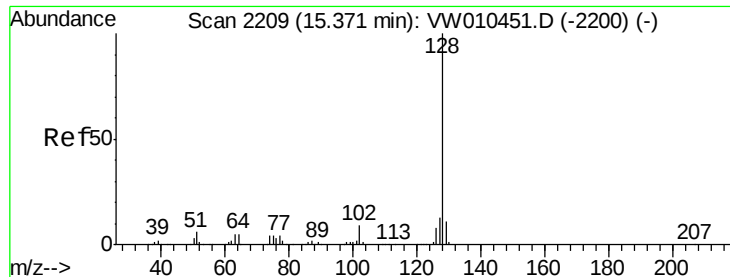
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

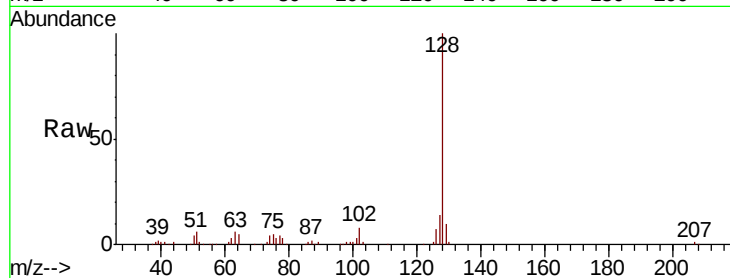




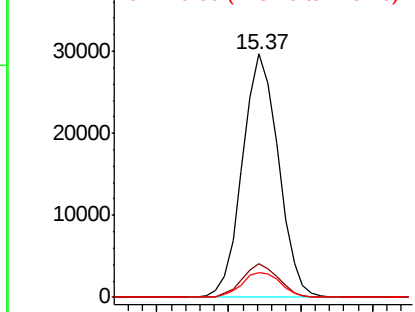
#95
Naphthalene
Concen: 10.703 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

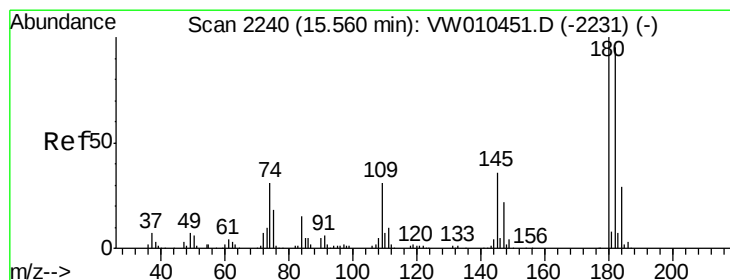
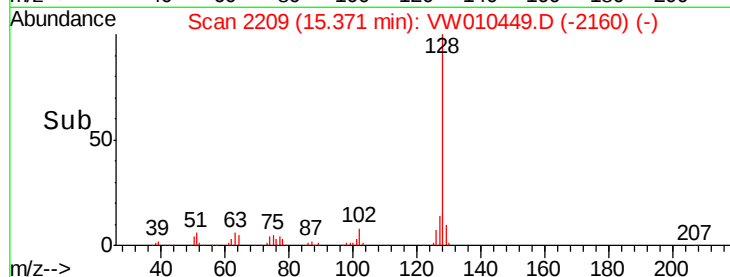
Tot Ion:128 Resp: 51478
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.9 8.9 13.3



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

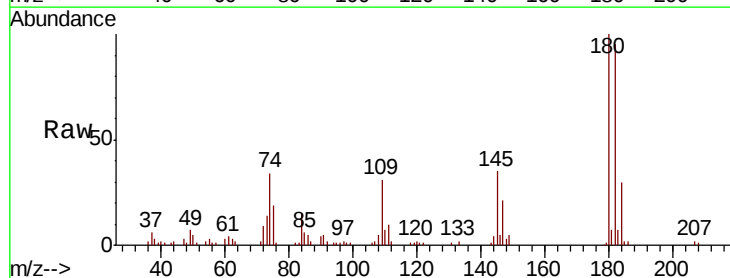


Time-->

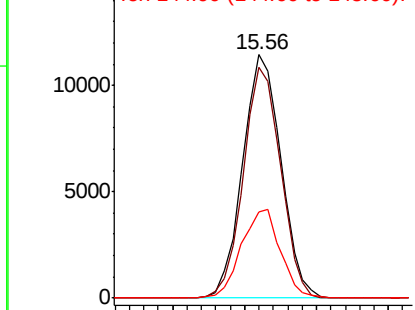


#96
1,2,3-Trichlorobenzene
Concen: 11.095 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion:180 Resp: 21050
Ion Ratio Lower Upper
180 100
182 92.1 47.1 141.3
145 37.1 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

