

Data File : VW010632.D
Acq On : 31 May 2019 13:10
Operator : SY/VA
Sample : VW0531SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

Quant Time: Jun 01 04:48:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	172245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	285596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130620	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	87337	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.88	113	90292	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.32	98	344186	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.62	95	135848	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	24286	15.634	ug/l	97
3) Chloromethane	2.21	50	26623	14.711	ug/l	99
4) Vinyl Chloride	2.36	62	31575	15.063	ug/l	98
5) Bromomethane	2.74	94	23223	16.103	ug/l	91
6) Chloroethane	2.90	64	22462	16.692	ug/l	97
7) Trichlorofluoromethane	3.25	101	61105	19.744	ug/l	100
8) Diethyl Ether	3.68	74	18998	19.365	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38509	20.205	ug/l	97
10) Methyl Iodide	4.27	142	34284	15.738	ug/l	99
11) Tert butyl alcohol	5.14	59	14536	90.897	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	35598	19.566	ug/l	95
13) Acrolein	3.90	56	7879	68.343	ug/l	100
14) Allyl chloride	4.67	41	48275	18.331	ug/l	99
15) Acrylonitrile	5.37	53	38594	93.935	ug/l	99
16) Acetone	4.12	43	43922	121.030	ug/l	97
17) Carbon Disulfide	4.38	76	87016	16.035	ug/l	99
18) Methyl Acetate	4.67	43	19014	21.423	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	90929	19.605	ug/l	99
20) Methylene Chloride	4.92	84	39206	14.847	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	41332	19.806	ug/l	96
22) Diisopropyl ether	6.31	45	103773	19.217	ug/l	97
23) Vinyl Acetate	6.26	43	295207	91.520	ug/l	97
24) 1,1-Dichloroethane	6.21	63	63709	19.770	ug/l	98
25) 2-Butanone	7.17	43	55180	106.249	ug/l	95
26) 2,2-Dichloropropane	7.17	77	67164	21.881	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	46330	20.421	ug/l	97
28) Bromochloromethane	7.51	49	24109	20.896	ug/l	92
29) Tetrahydrofuran	7.53	42	32781	93.279	ug/l	98
30) Chloroform	7.68	83	70329	20.234	ug/l	100
31) Cyclohexane	7.95	56	61889	18.335	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	65483	19.711	ug/l	97
36) 1,1-Dichloropropene	8.08	75	55196	20.747	ug/l	98
37) Ethyl Acetate	7.26	43	22348	19.753	ug/l	97
38) Carbon Tetrachloride	8.07	117	59246	20.643	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	72294	20.282	ug/l	98
40) Benzene	8.32	78	155251	20.995	ug/l	99
41) Methacrylonitrile	7.49	41	13380	19.904	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	44117	20.874	ug/l	100
43) Isopropyl Acetate	8.43	43	43739	19.352	ug/l	98
44) Trichloroethene	9.09	130	46250	21.068	ug/l	97
45) 1,2-Dichloropropane	9.37	63	36952	21.041	ug/l	98
46) Dibromomethane	9.46	93	21209	20.650	ug/l	96
47) Bromodichloromethane	9.65	83	51910	20.112	ug/l	98
48) Methyl methacrylate	9.44	41	19073	18.446	ug/l	94
49) 1,4-Dioxane	9.45	88	6608	393.854	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	117338	102.452	ug/l	100
52) Toluene	10.39	92	107615	21.670	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	50795	19.432	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	59941	20.079	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	31635	21.419	ug/l	97
56) Ethyl methacrylate	10.65	69	39202	19.246	ug/l	98
57) 1,3-Dichloropropane	10.93	76	52371	21.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	89019	98.667	ug/l	98
59) 2-Hexanone	10.97	43	81009	99.155	ug/l	99
60) Dibromochloromethane	11.13	129	37038	19.815	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31339	20.947	ug/l	98
64) Tetrachloroethene	10.87	164	39513	22.174	ug/l	95
65) Chlorobenzene	11.66	112	118821	21.811	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	41864	21.452	ug/l	99
67) Ethyl Benzene	11.73	91	204467	21.258	ug/l	99
68) m/p-Xylenes	11.84	106	163067	43.223	ug/l	99
69) o-Xylene	12.17	106	76481	21.397	ug/l	97
70) Styrene	12.18	104	129713	21.388	ug/l	99
71) Bromoform	12.35	173	20343	18.929	ug/l #	99
73) Isopropylbenzene	12.47	105	209356	20.198	ug/l	100
74) N-amyl acetate	12.27	43	41623	17.524	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	36502	19.362	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	46263	34.892	ug/l	31
77) Bromobenzene	12.75	156	49859	21.495	ug/l	96
78) n-propylbenzene	12.80	91	239632	19.838	ug/l	98
79) 2-Chlorotoluene	12.90	91	140832	20.104	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	175520	19.994	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10165	16.000	ug/l	92
82) 4-Chlorotoluene	12.99	91	148736	20.456	ug/l	100
83) tert-Butylbenzene	13.21	119	159036	20.740	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	177265	20.274	ug/l	100
85) sec-Butylbenzene	13.38	105	212168	19.771	ug/l	100
86) p-Isopropyltoluene	13.50	119	194926	20.068	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98464	21.637	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96323	21.096	ug/l	99
89) n-Butylbenzene	13.83	91	180455	19.532	ug/l	99
90) Hexachloroethane	14.10	117	34718	18.466	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	88731	21.399	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6174	17.612	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW053119\
Quantitation Report (Not Reviewed)

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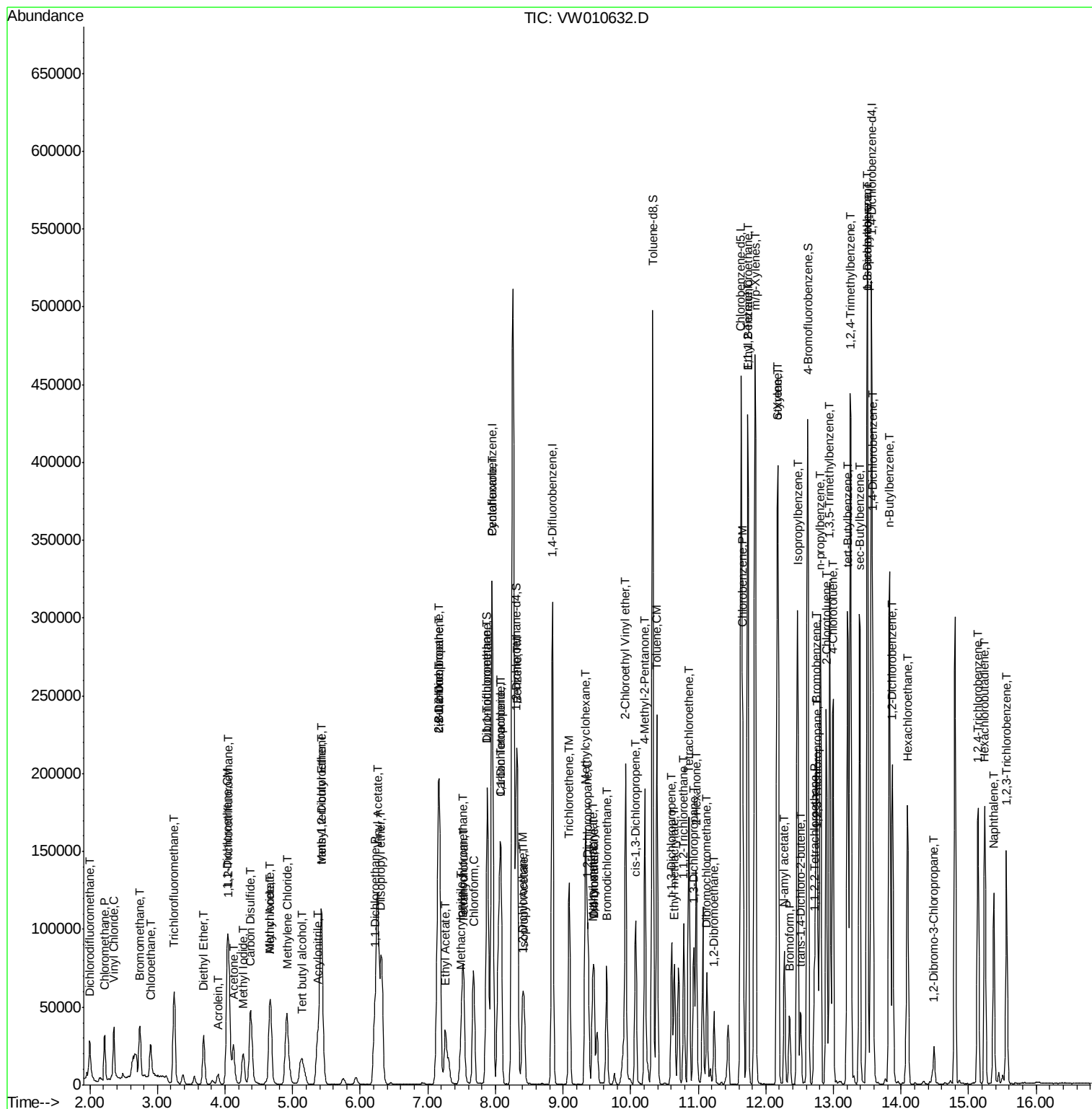
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	57203	20.276	ug/l	99
94) Hexachlorobutadiene	15.24	225	31241	20.728	ug/l	97
95) Naphthalene	15.37	128	109068	18.417	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	50560	20.827	ug/l	99

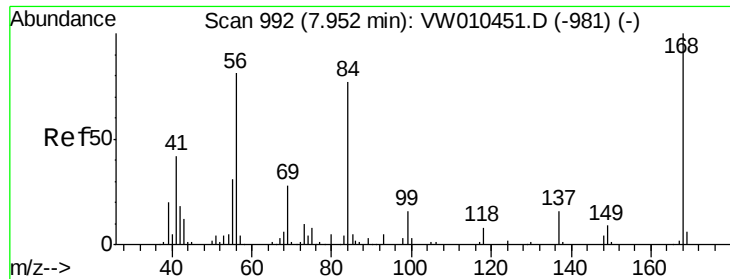
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

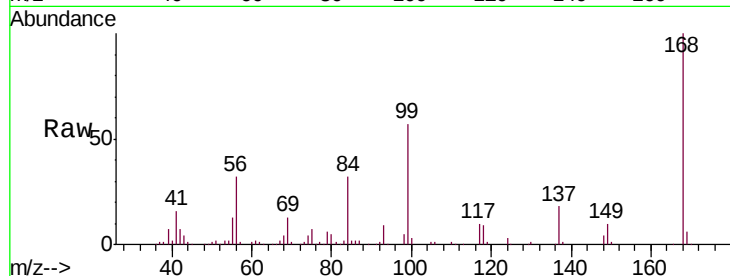
VW0531SBSD01

Tgt Ion:168 Resp: 172245

Ion Ratio Lower Upper

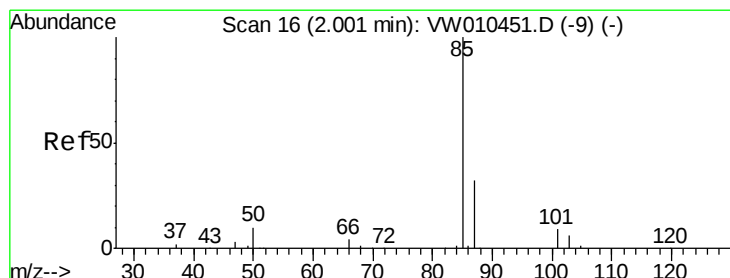
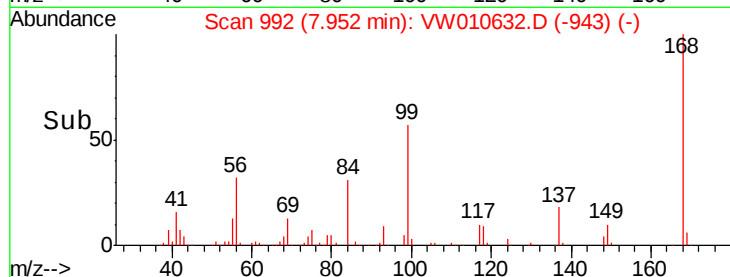
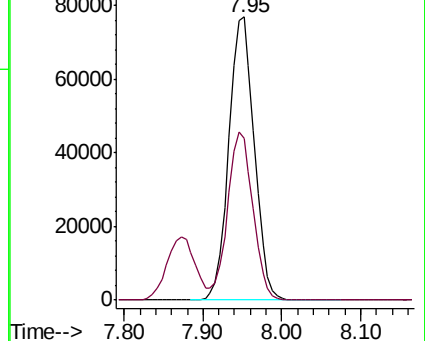
168 100

99 57.2 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 15.634 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010632.D

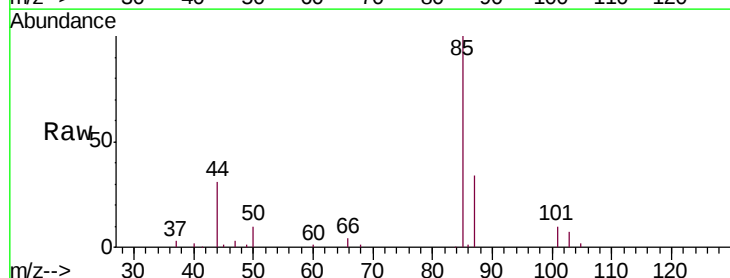
Acq: 31 May 2019 13:10

Tgt Ion: 85 Resp: 24286

Ion Ratio Lower Upper

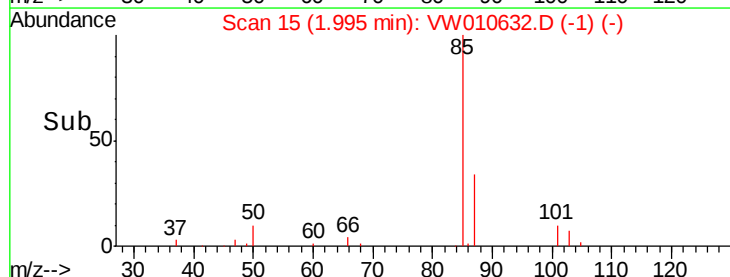
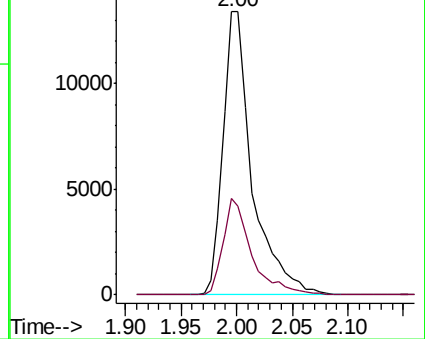
85 100

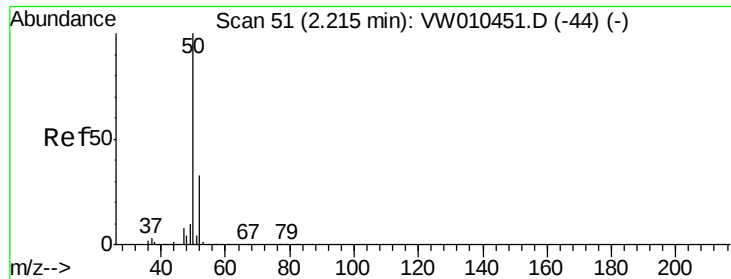
87 34.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 14.711 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

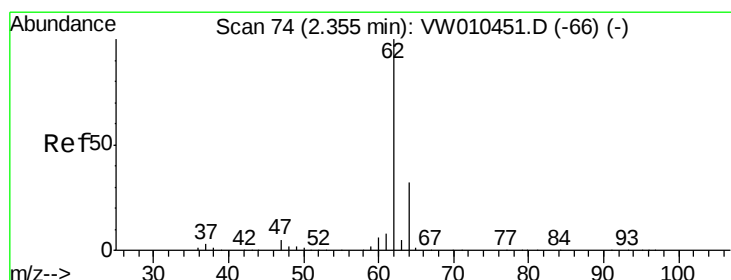
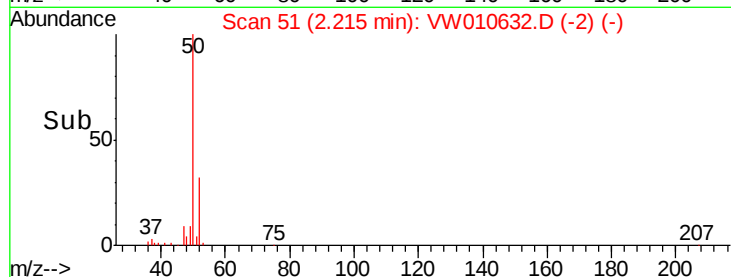
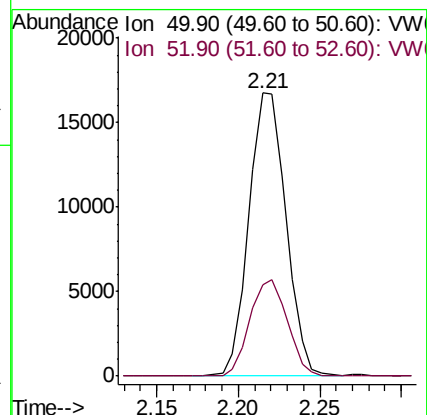
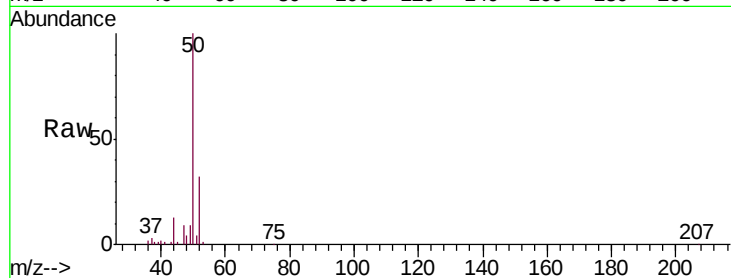
VW0531SBSD01

Tgt Ion: 50 Resp: 26623

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 15.063 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010632.D

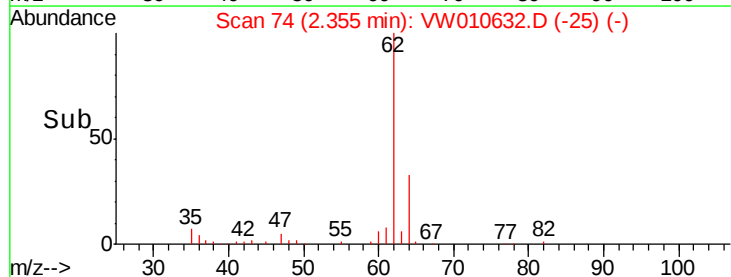
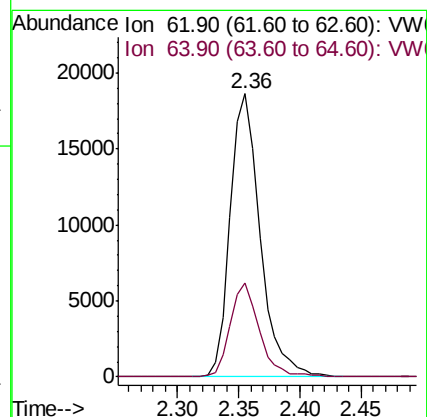
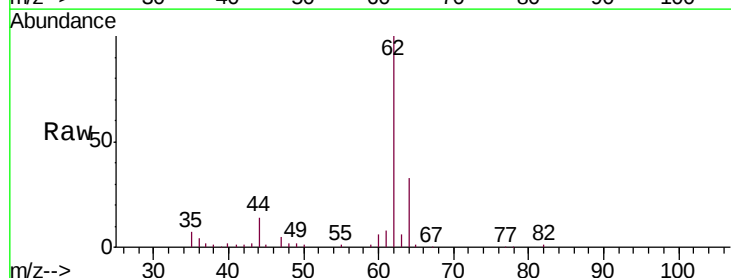
Acq: 31 May 2019 13:10

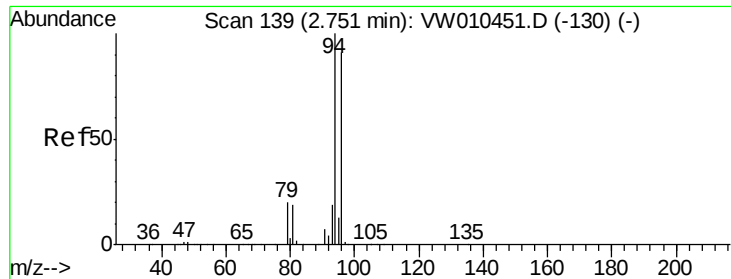
Tgt Ion: 62 Resp: 31575

Ion Ratio Lower Upper

62 100

64 33.2 25.8 38.8





#5

Bromomethane

Concen: 16.103 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

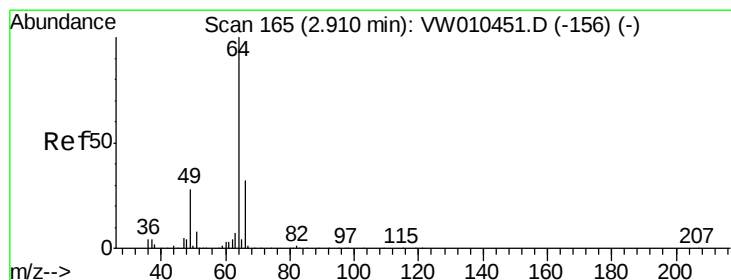
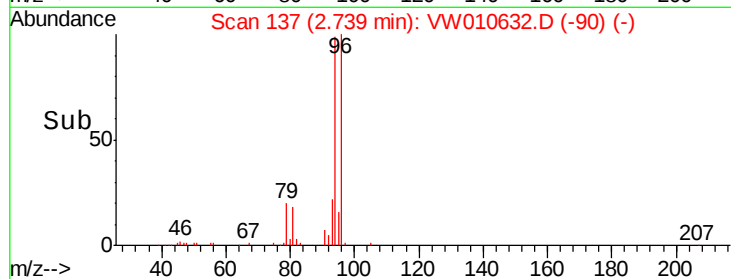
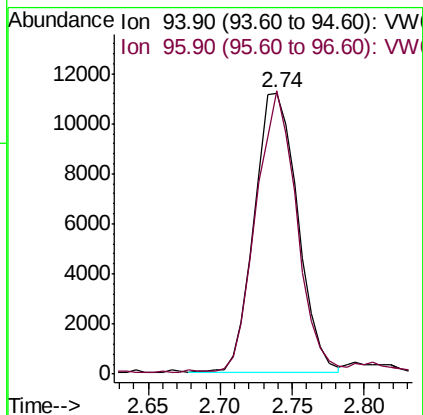
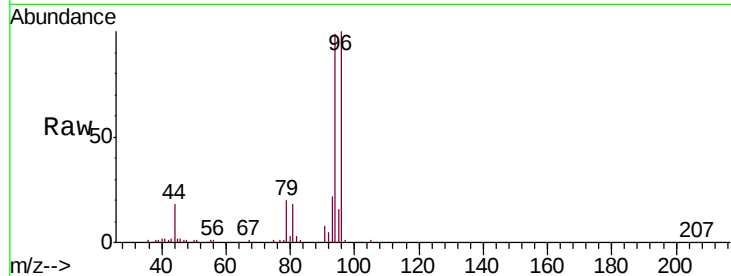
VW0531SBSD01

Tgt Ion: 94 Resp: 23223

Ion Ratio Lower Upper

94 100

96 100.1 72.9 109.3



#6

Chloroethane

Concen: 16.692 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010632.D

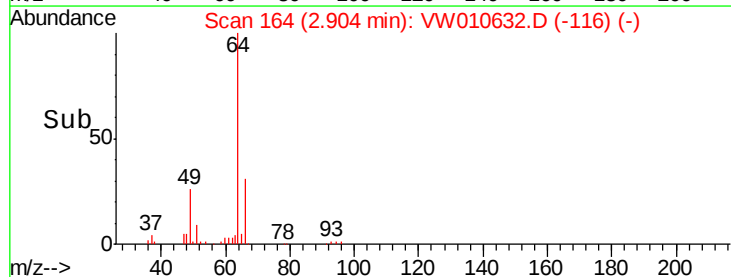
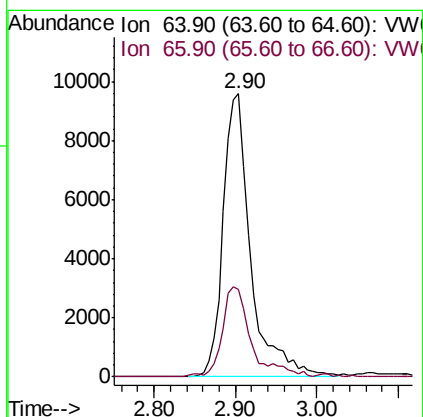
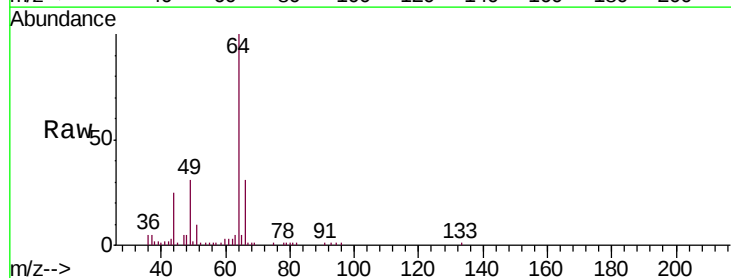
Acq: 31 May 2019 13:10

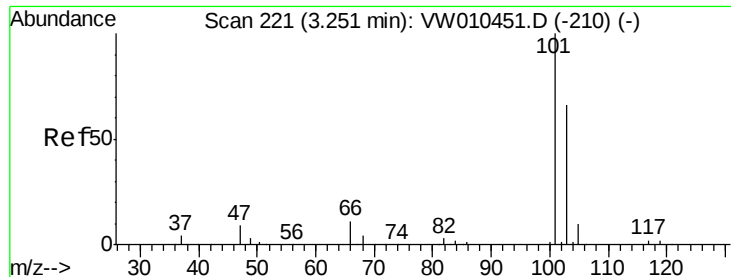
Tgt Ion: 64 Resp: 22462

Ion Ratio Lower Upper

64 100

66 30.1 25.5 38.3



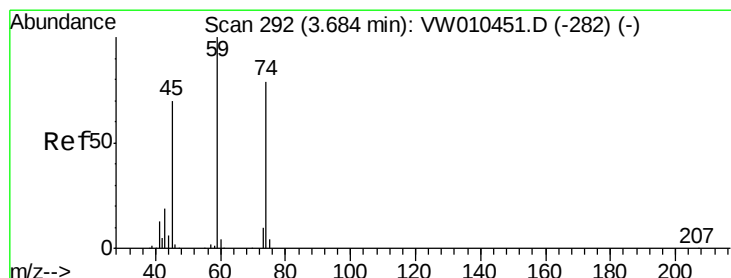
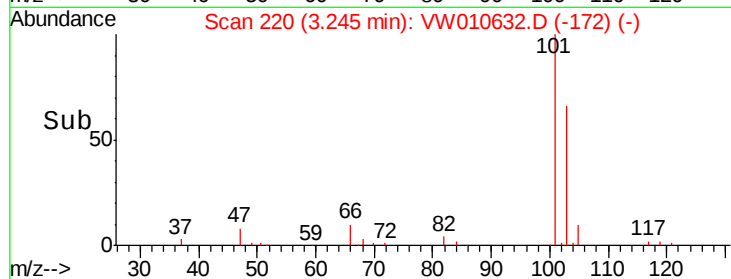
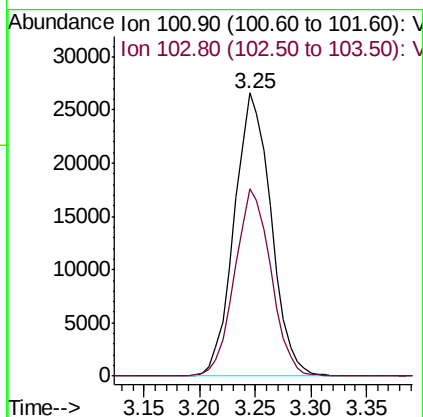
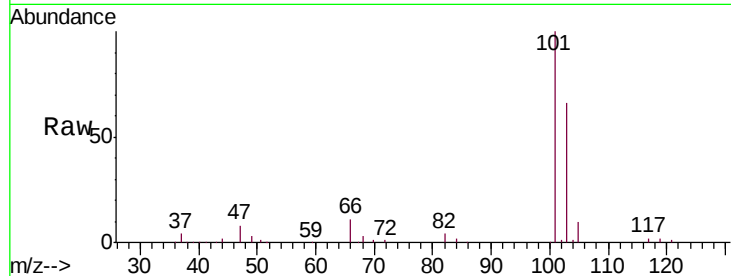


#7

Trichlorofluoromethane
 Concen: 19.744 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010632.D
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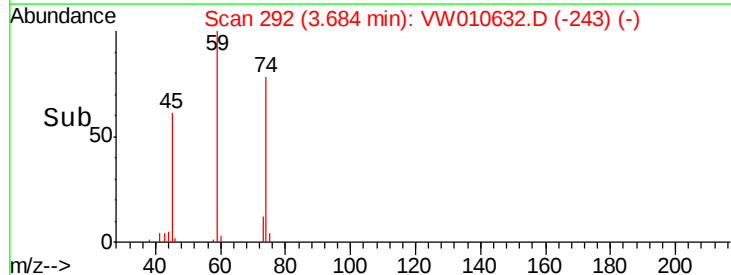
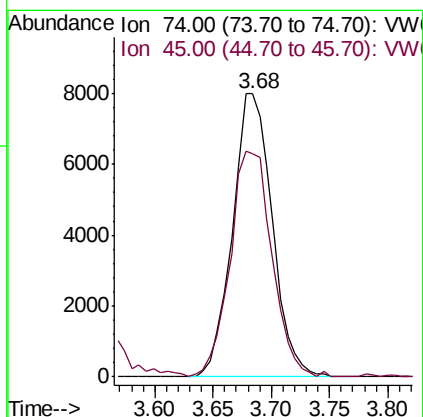
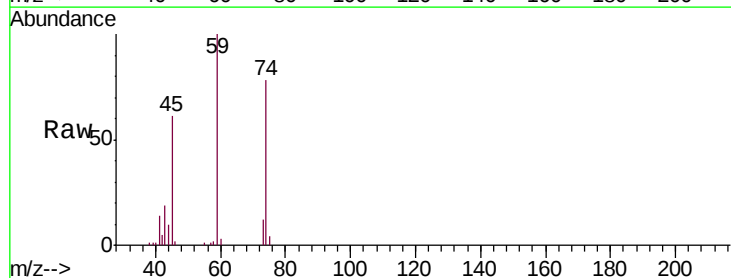
Tgt Ion:101 Resp: 61105
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4

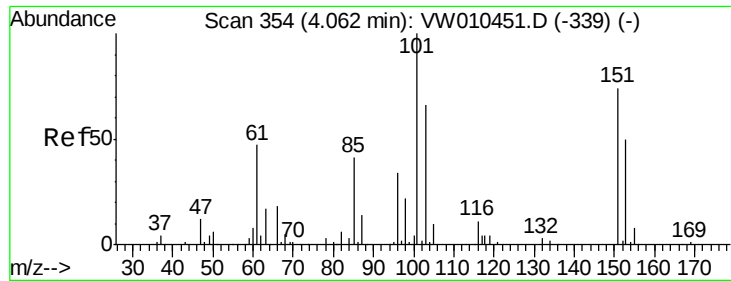


#8

Diethyl Ether
 Concen: 19.365 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion: 74 Resp: 18998
 Ion Ratio Lower Upper
 74 100
 45 83.7 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.205 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010632.D

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Instrument :

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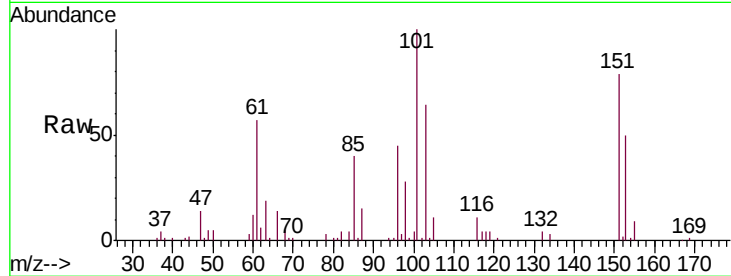
Tgt Ion:101 Resp: 38509

Ion Ratio Lower Upper

101 100

85 41.4 34.3 51.5

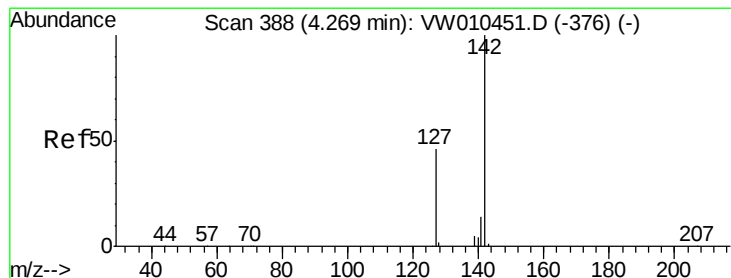
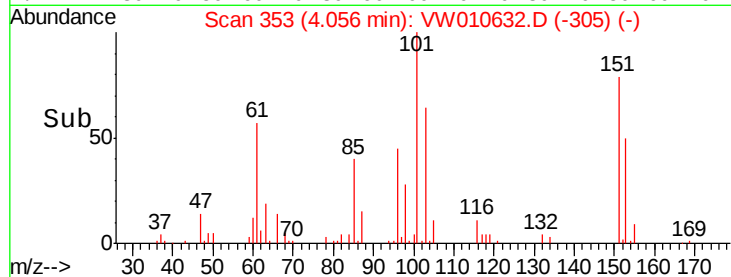
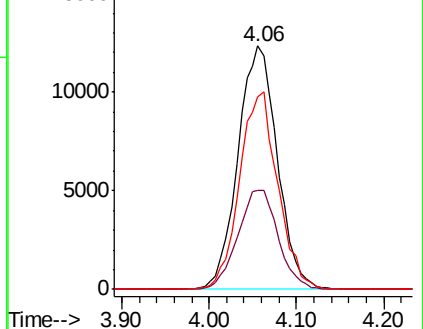
151 78.7 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.738 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

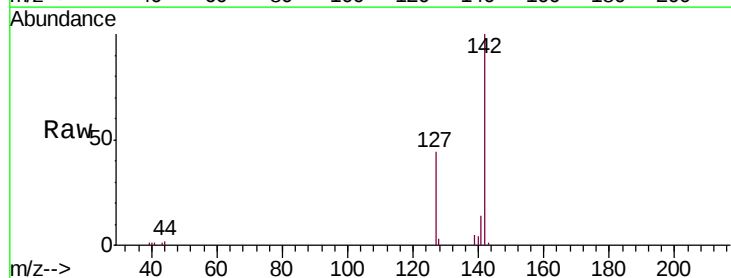
Tgt Ion:142 Resp: 34284

Ion Ratio Lower Upper

142 100

127 44.4 36.1 54.1

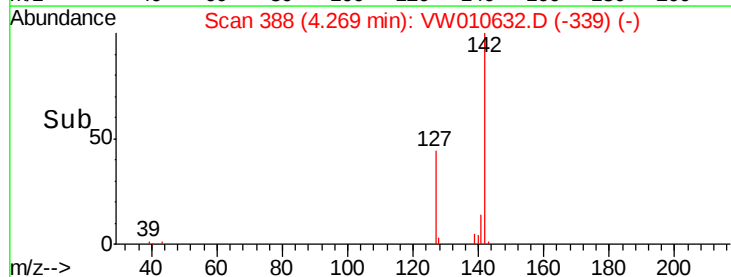
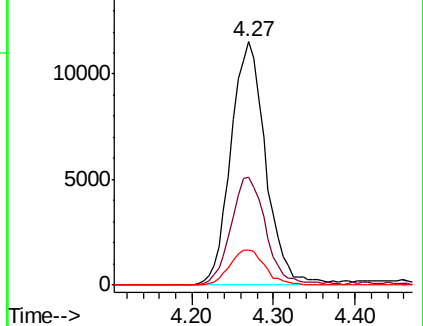
141 14.4 11.3 16.9

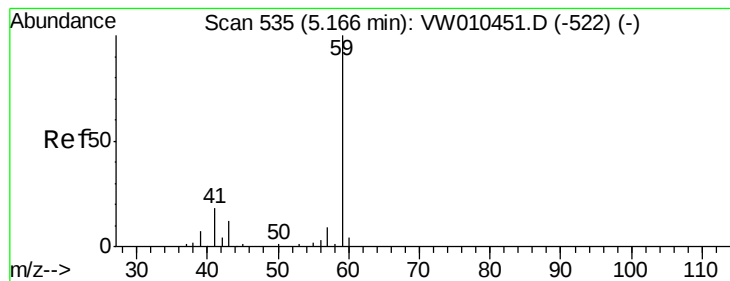


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.897 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

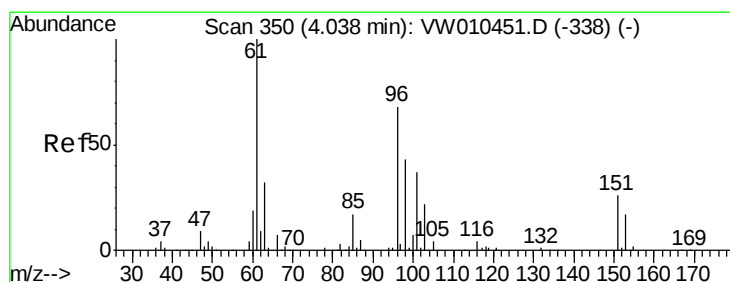
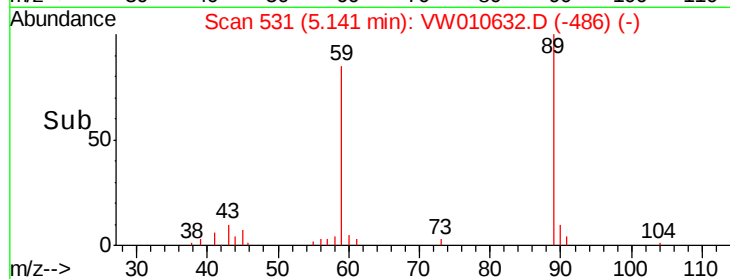
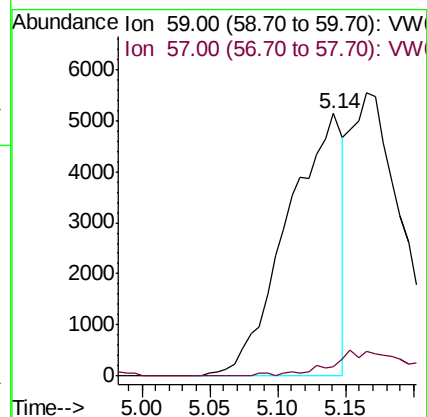
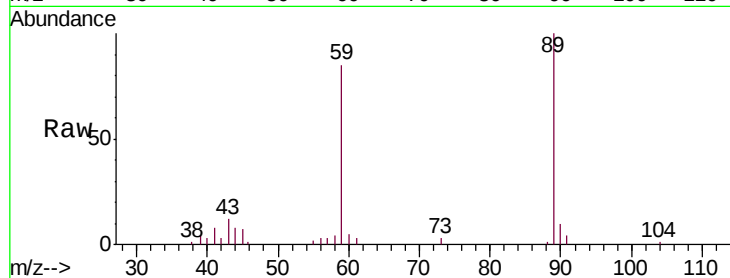
VW0531SBS01

Tgt Ion: 59 Resp: 14536

Ion Ratio Lower Upper

59 100

57 5.2 8.8 13.2#



#12

1,1-Dichloroethene

Concen: 19.566 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

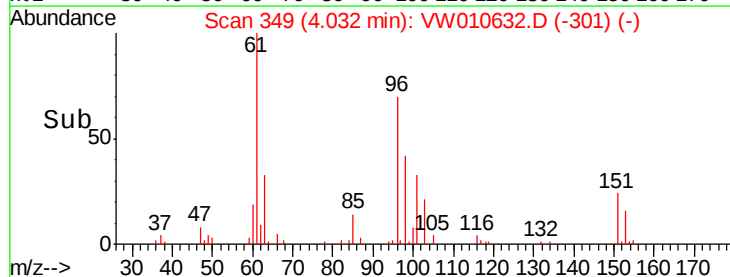
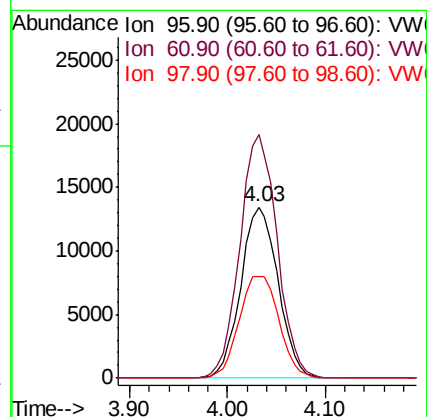
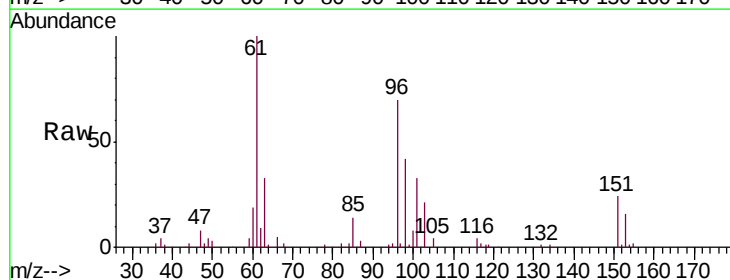
Tgt Ion: 96 Resp: 35598

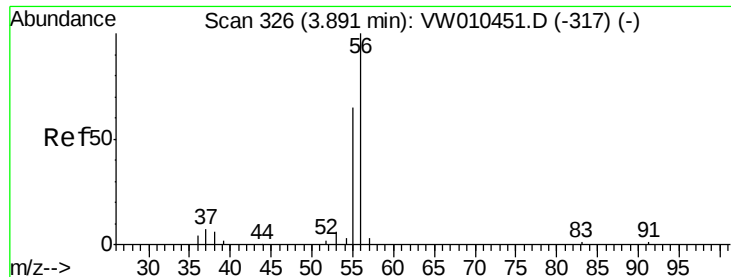
Ion Ratio Lower Upper

96 100

61 142.6 118.3 177.5

98 59.6 51.0 76.6





#13

Acrolein

Concen: 68.343 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

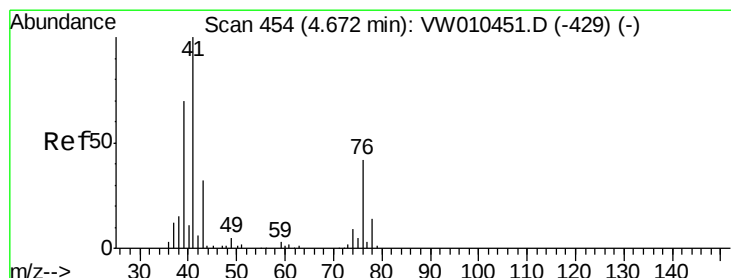
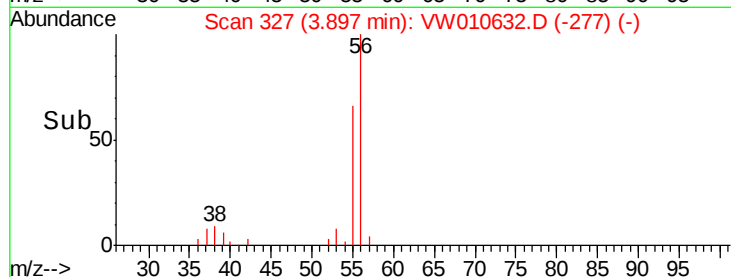
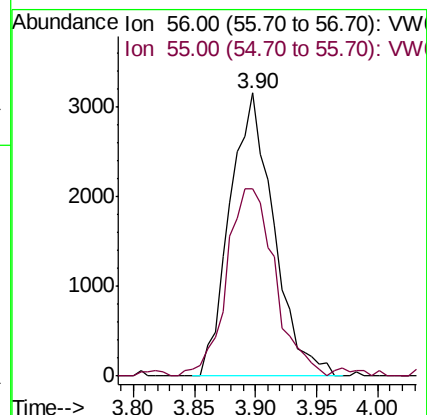
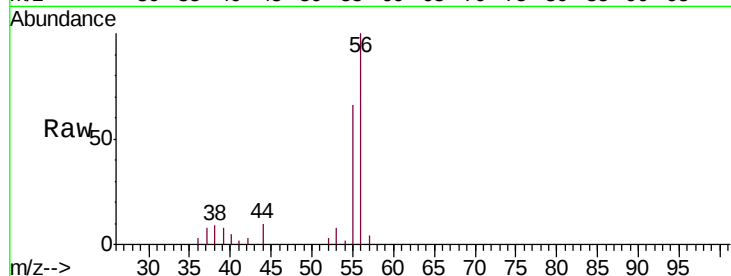
VW0531SBSD01

Tgt Ion: 56 Resp: 7879

Ion Ratio Lower Upper

56 100

55 72.6 57.9 86.9



#14

Allyl chloride

Concen: 18.331 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

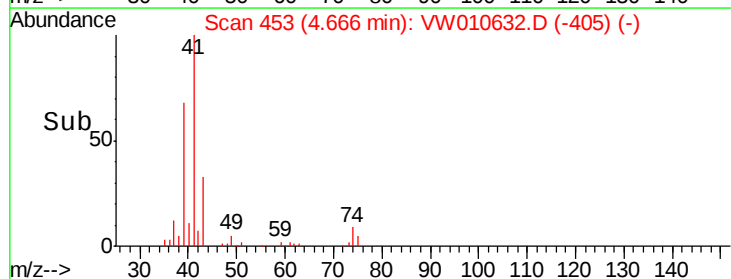
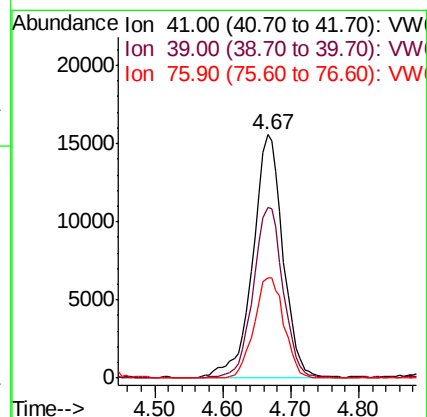
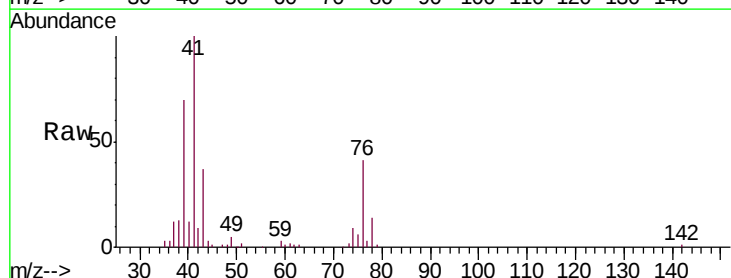
Tgt Ion: 41 Resp: 48275

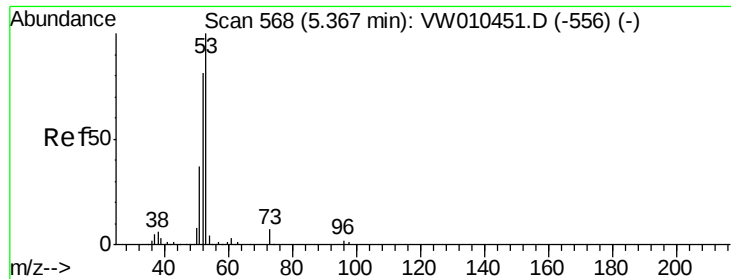
Ion Ratio Lower Upper

41 100

39 69.4 55.0 82.4

76 40.7 32.8 49.2





#15

Acrylonitrile

Concen: 93.935 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

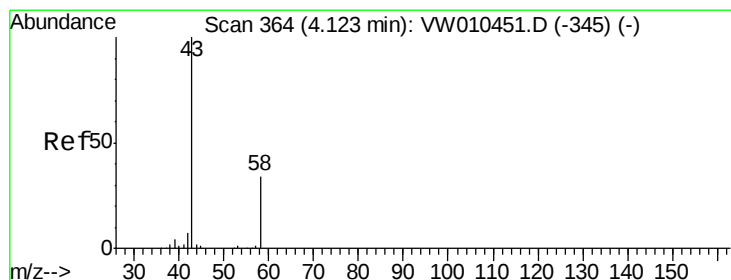
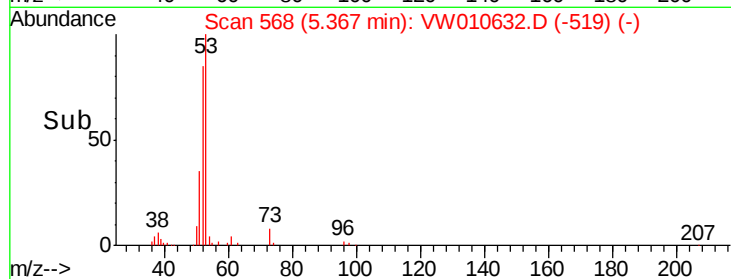
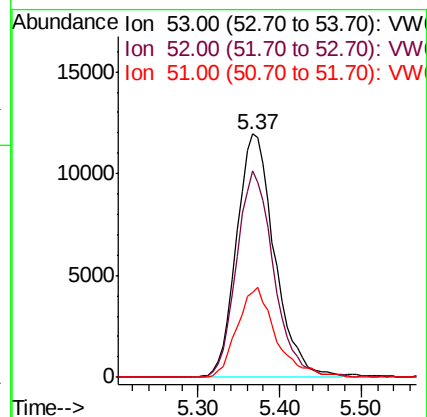
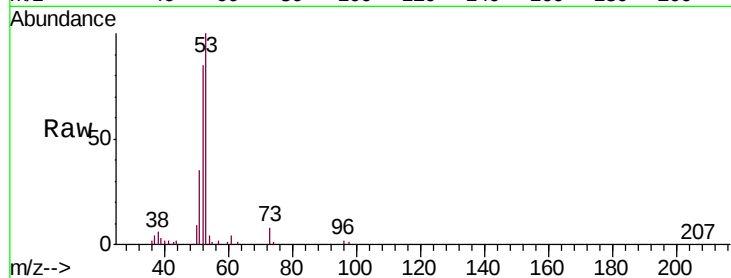
Tgt Ion: 53 Resp: 38594

Ion Ratio Lower Upper

53 100

52 82.9 65.6 98.4

51 37.4 29.5 44.3



#16

Acetone

Concen: 121.030 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010632.D

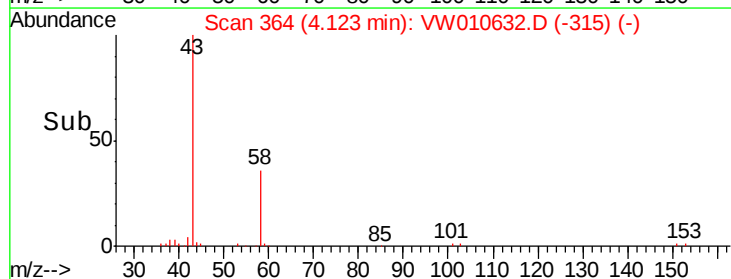
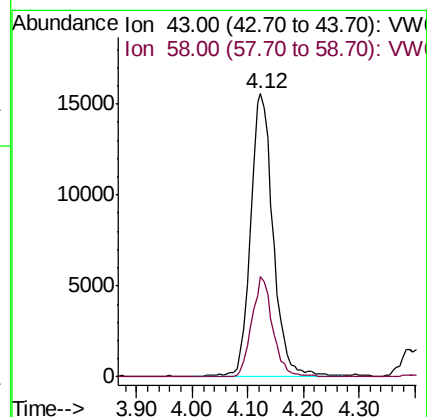
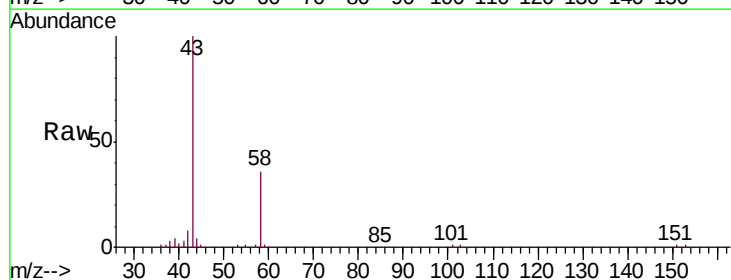
Acq: 31 May 2019 13:10

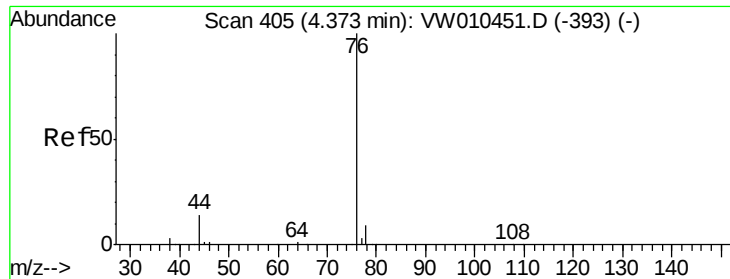
Tgt Ion: 43 Resp: 43922

Ion Ratio Lower Upper

43 100

58 35.6 27.0 40.4

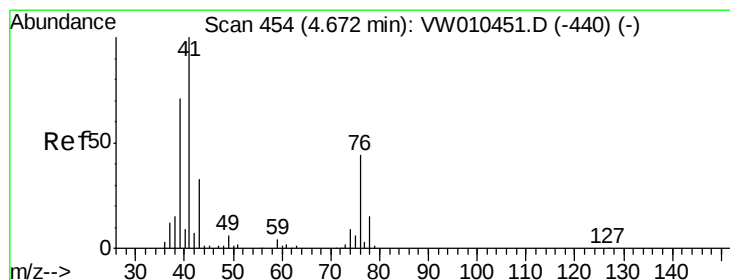
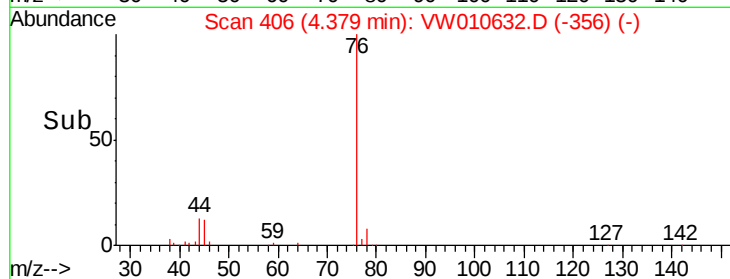
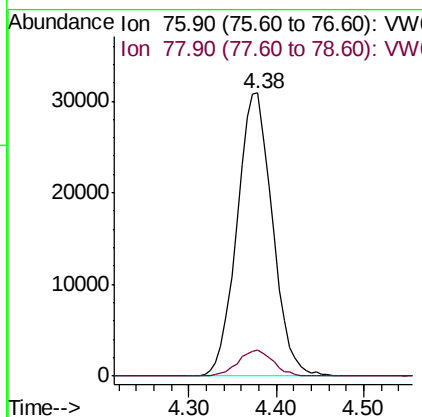
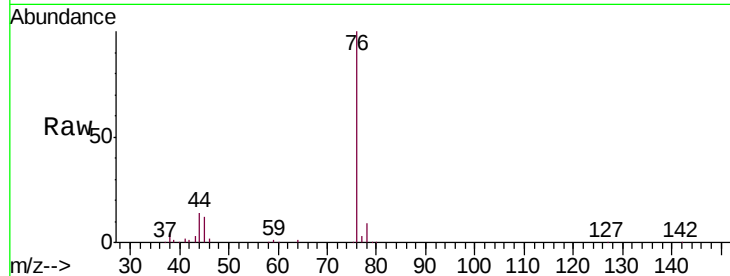




#17
Carbon Disulfide
Concen: 16.035 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

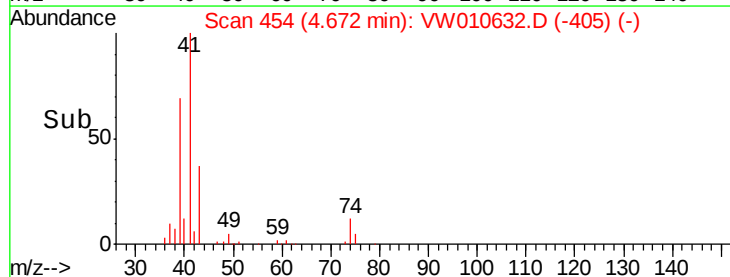
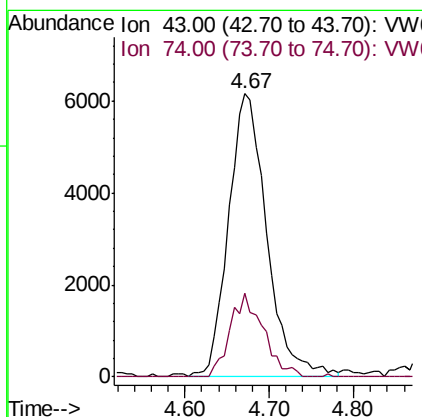
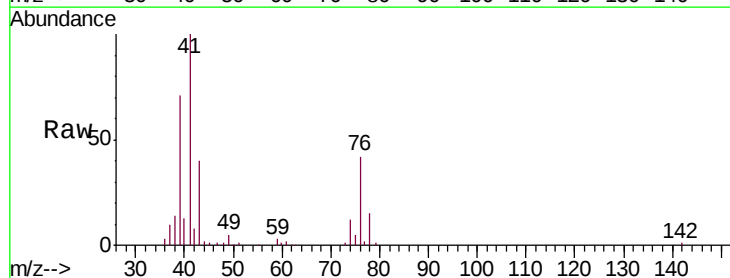
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

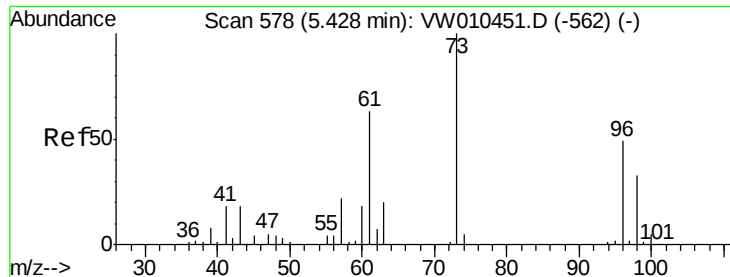
Tgt Ion: 76 Resp: 87016
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 21.423 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion: 43 Resp: 19014
Ion Ratio Lower Upper
43 100
74 25.5 21.6 32.4

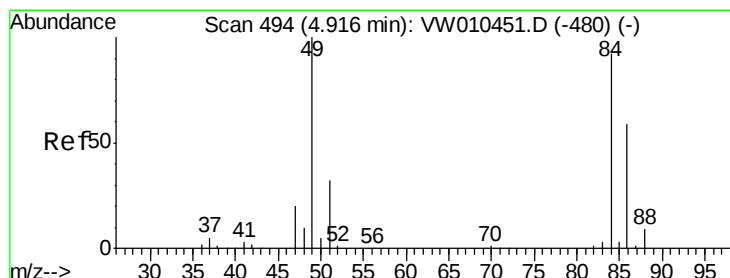
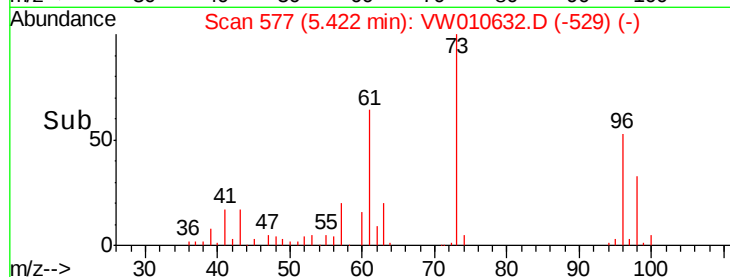
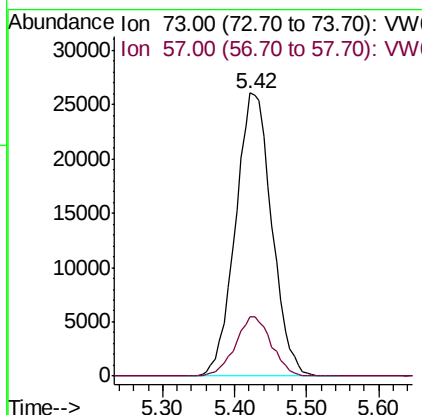
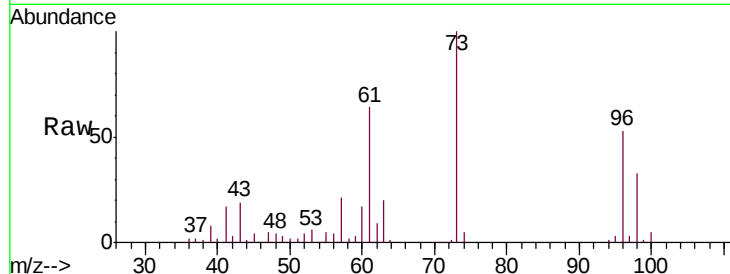




#19
Methyl tert-butyl Ether
Concen: 19.605 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

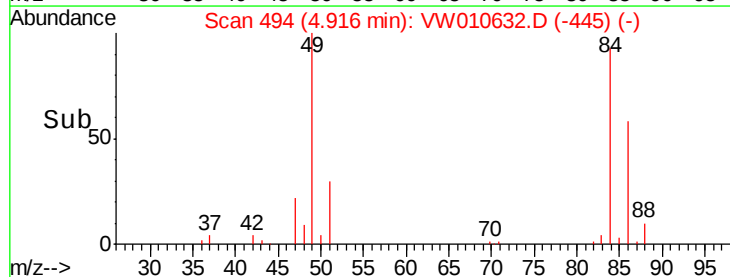
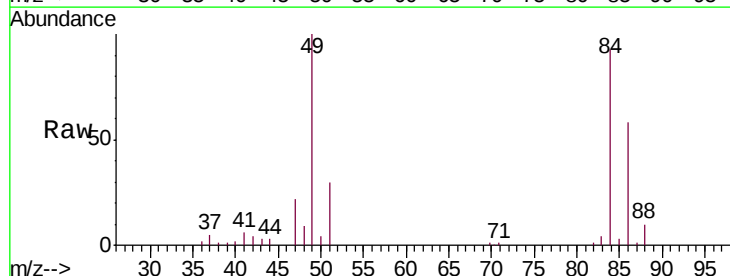
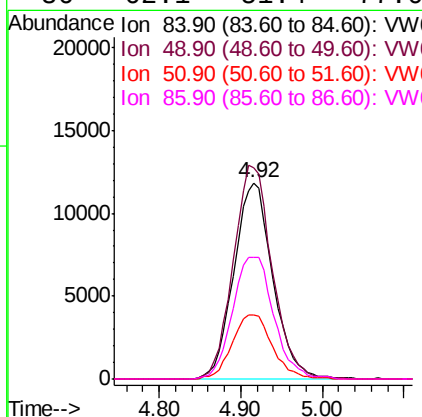
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

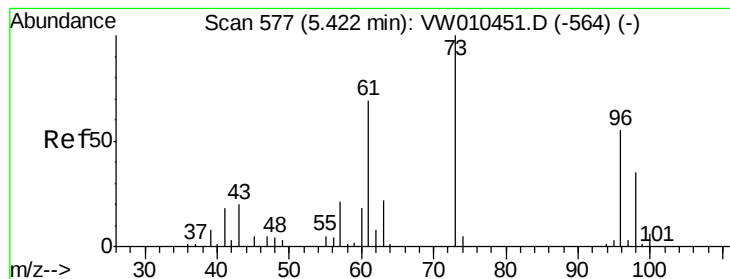
Tgt Ion: 73 Resp: 90929
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.0



#20
Methylene Chloride
Concen: 14.847 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion: 84 Resp: 39206
Ion Ratio Lower Upper
84 100
49 107.6 87.2 130.8
51 32.7 27.7 41.5
86 62.1 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.806 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBSD01

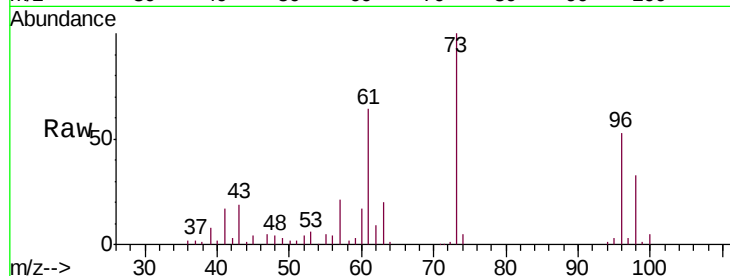
Tgt Ion: 96 Resp: 41332

Ion Ratio Lower Upper

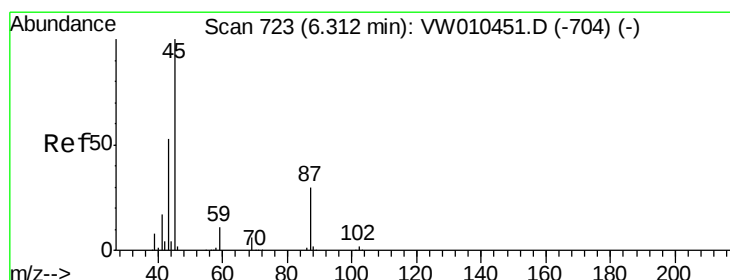
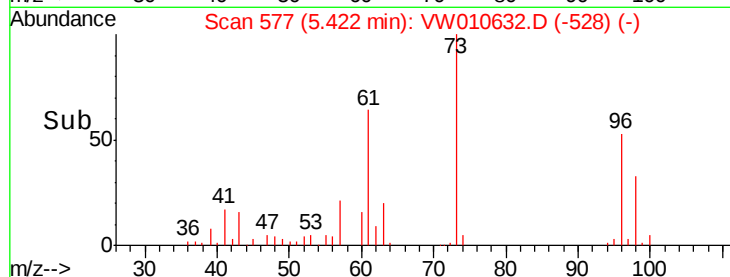
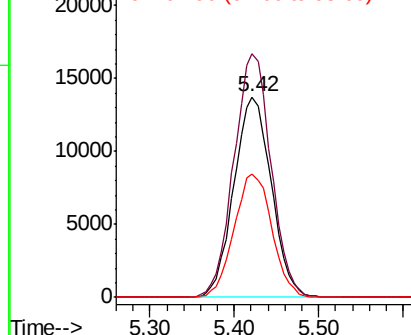
96 100

61 121.6 101.4 152.0

98 61.8 50.6 76.0



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



#22

Diisopropyl ether

Concen: 19.217 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Tgt Ion: 45 Resp: 103773

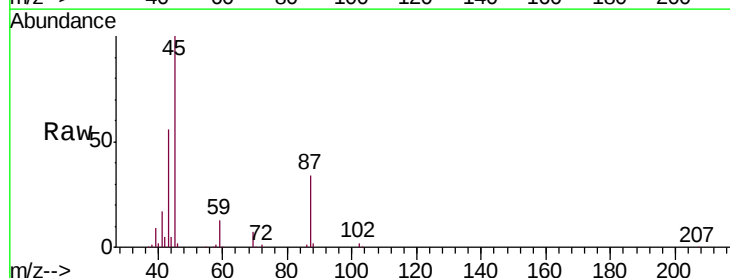
Ion Ratio Lower Upper

45 100

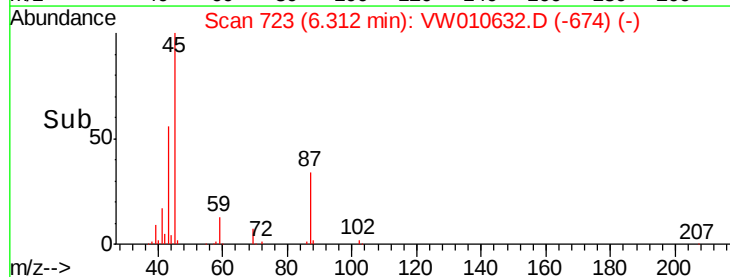
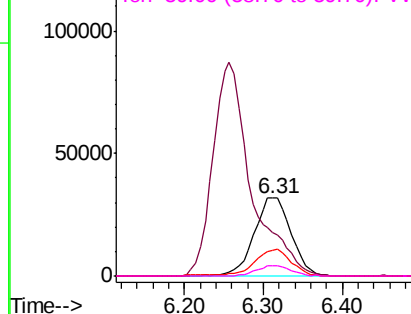
43 55.1 42.9 64.3

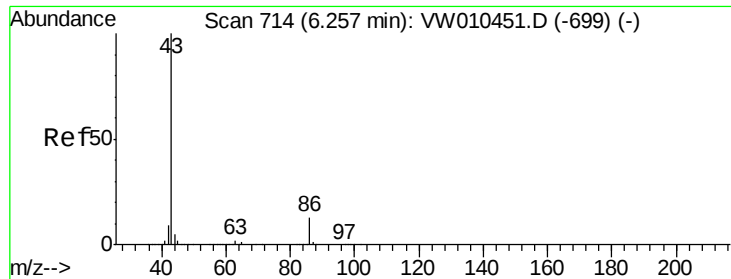
87 33.6 24.6 36.8

59 12.8 9.4 14.0



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





#23

Vinyl Acetate

Concen: 91.520 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

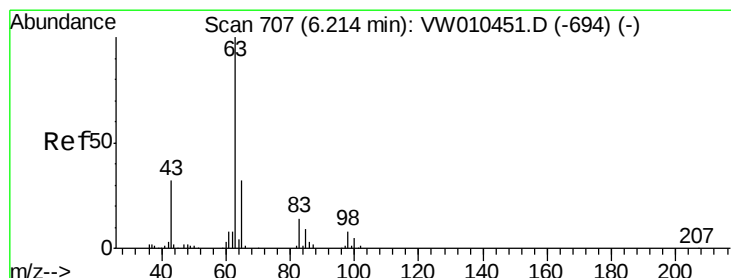
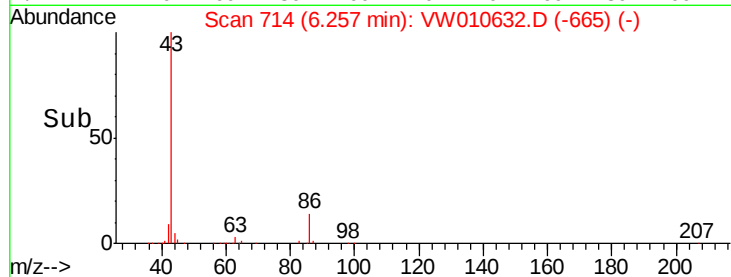
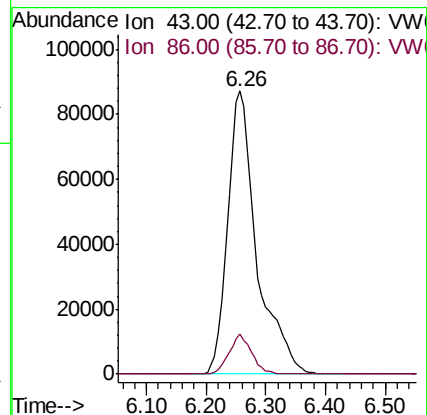
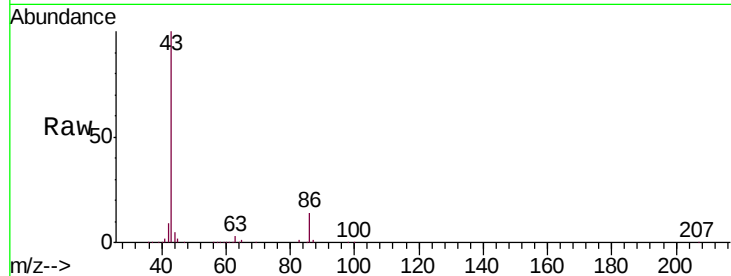
VW0531SBSD01

Tgt Ion: 43 Resp: 295207

Ion Ratio Lower Upper

43 100

86 14.3 10.3 15.5



#24

1,1-Dichloroethane

Concen: 19.770 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

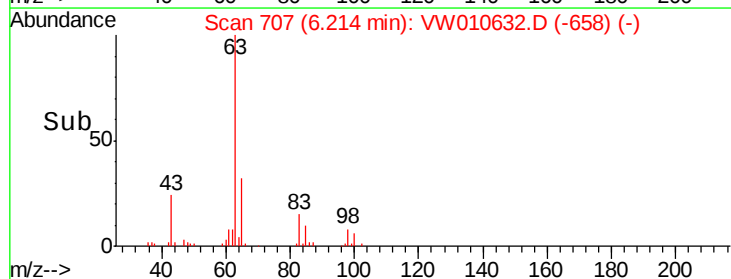
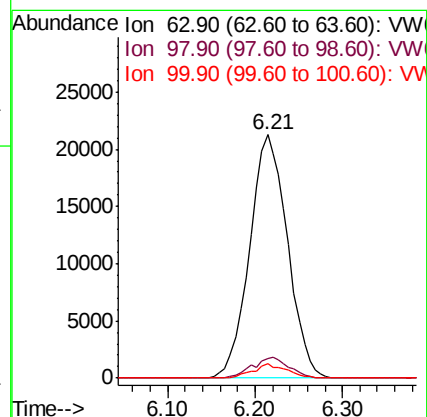
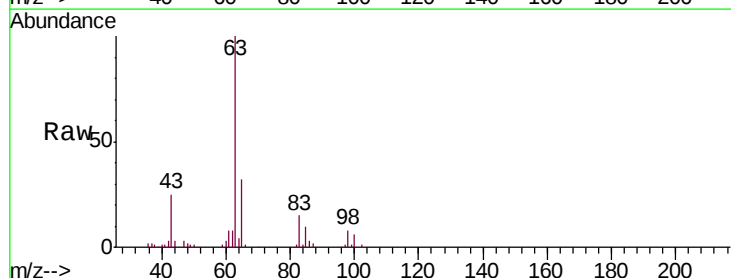
Tgt Ion: 63 Resp: 63709

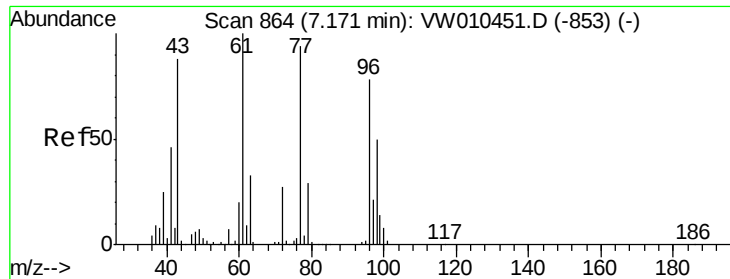
Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.2

100 5.8 2.5 7.4





#25

2-Butanone

Concen: 106.249 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

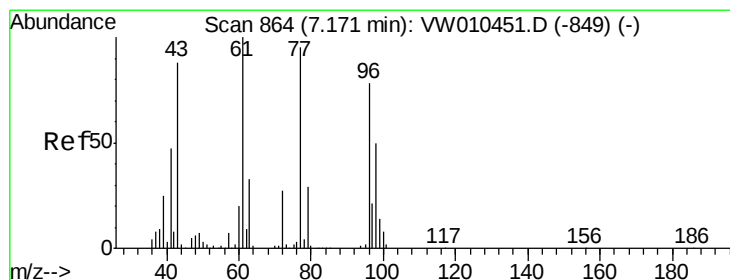
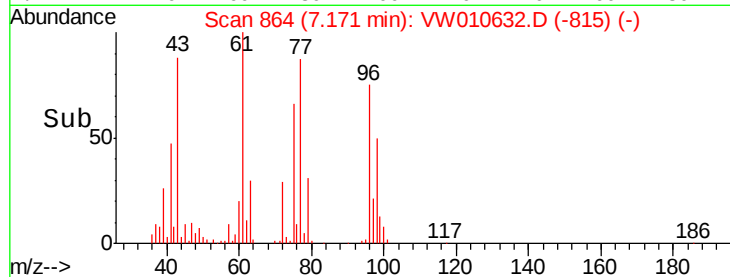
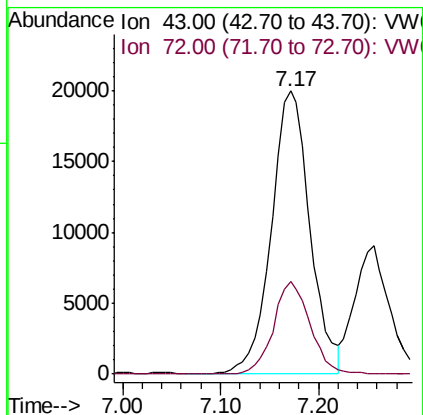
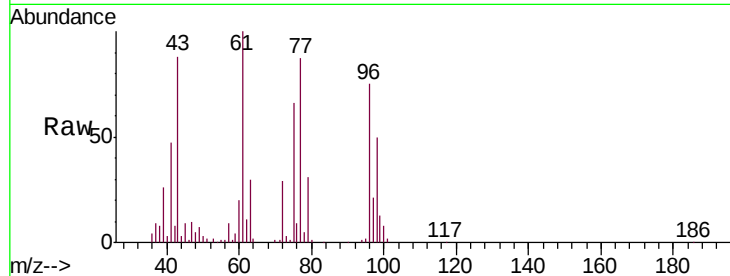
VW0531SBSD01

Tgt Ion: 43 Resp: 55180

Ion Ratio Lower Upper

43 100

72 32.6 24.1 36.1



#26

2,2-Dichloropropane

Concen: 21.881 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010632.D

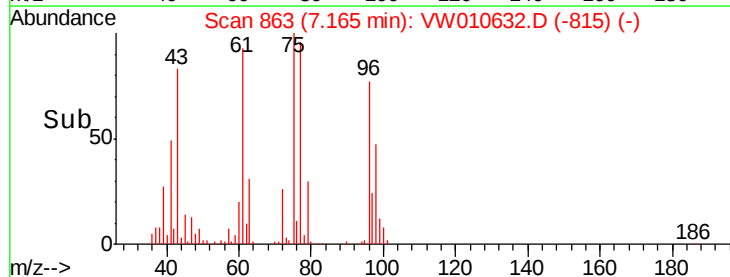
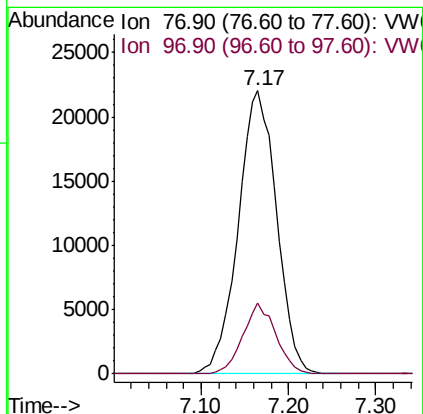
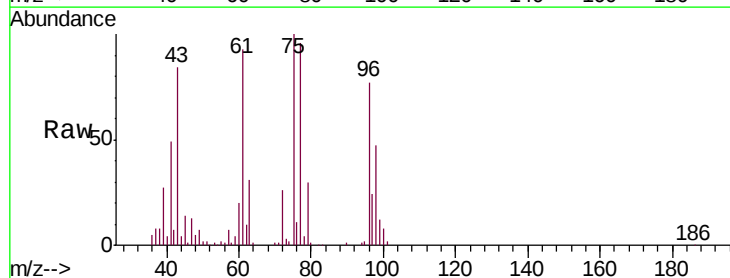
Acq: 31 May 2019 13:10

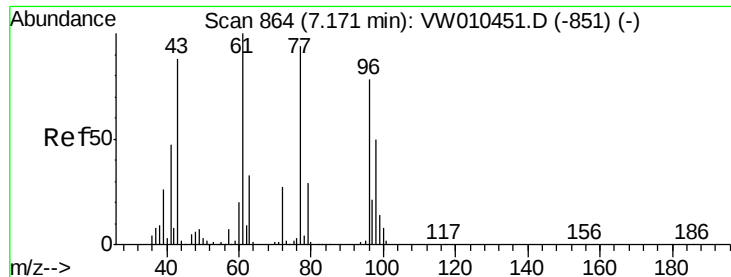
Tgt Ion: 77 Resp: 67164

Ion Ratio Lower Upper

77 100

97 21.6 11.7 35.0



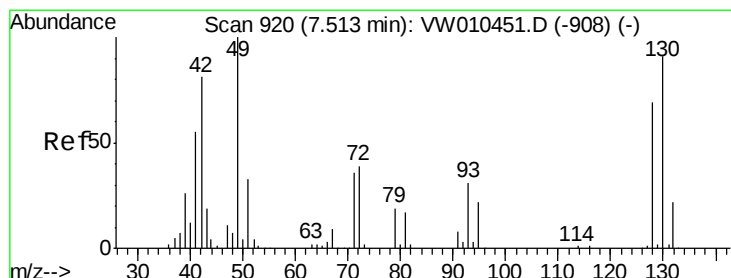
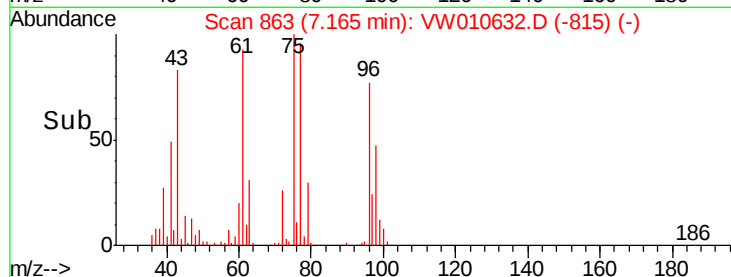
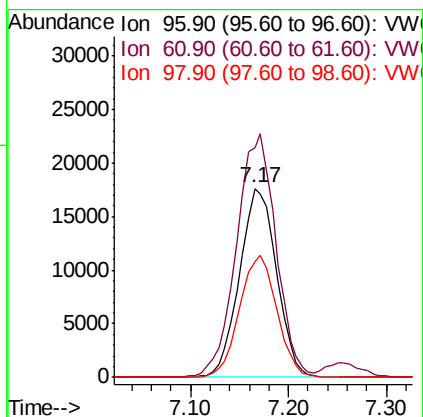
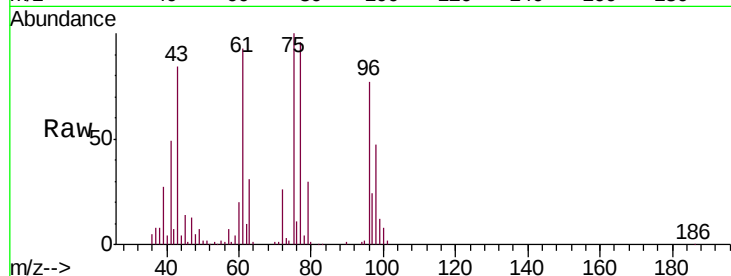


#27

cis-1,2-Dichloroethene
Concen: 20.421 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

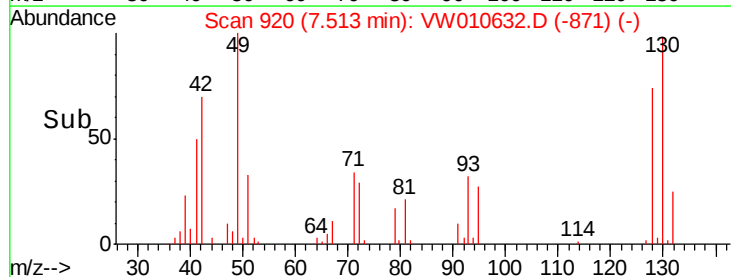
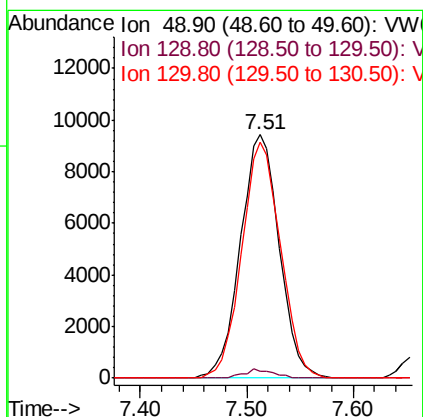
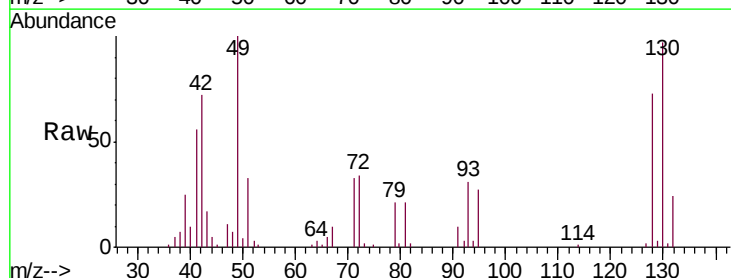
Tgt Ion: 96 Resp: 46330
Ion Ratio Lower Upper
96 100
61 137.2 0.0 265.4
98 65.1 0.0 129.4

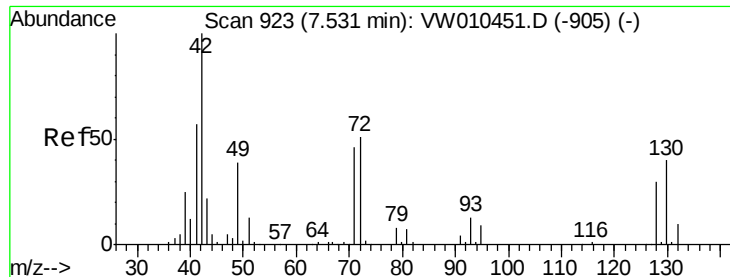


#28

Bromochloromethane
Concen: 20.896 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion: 49 Resp: 24109
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.8
130 96.6 71.2 106.8

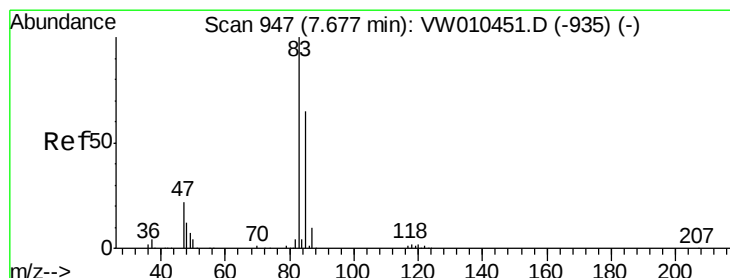
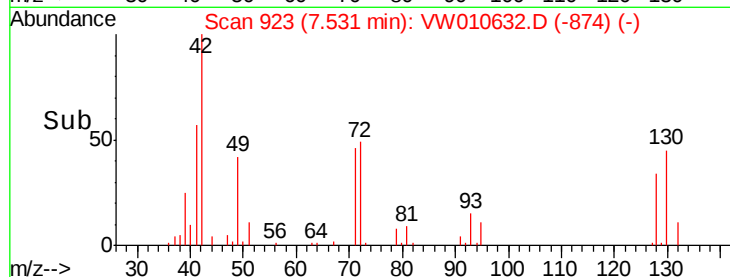
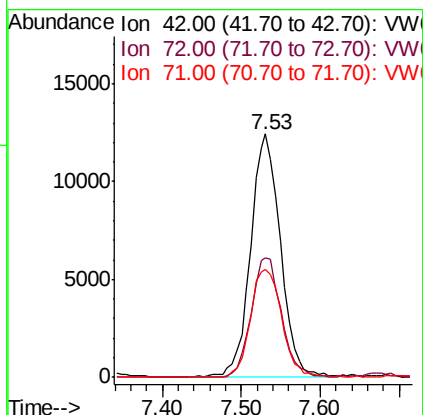
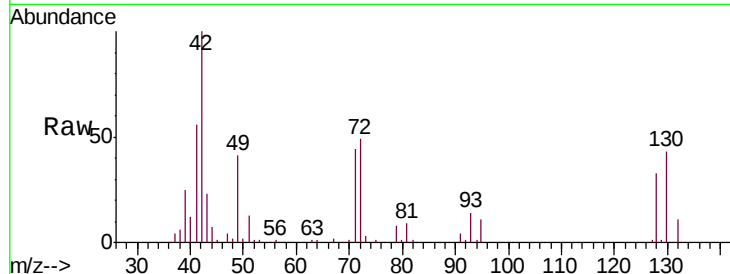




#29
Tetrahydrofuran
Concen: 93.279 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

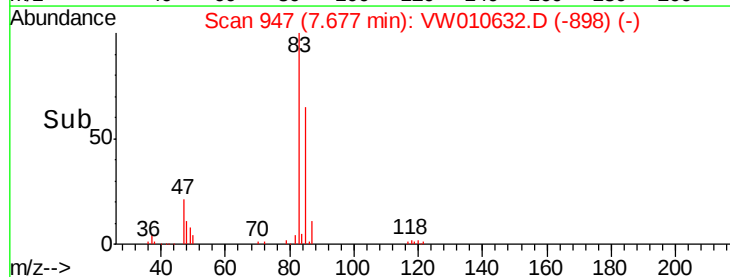
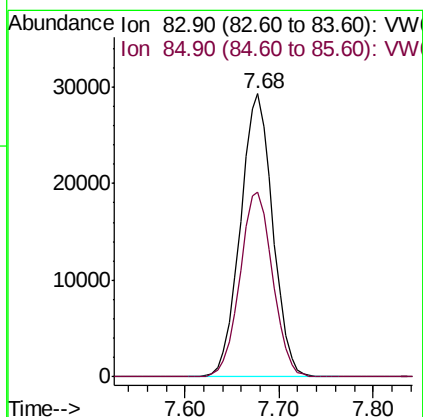
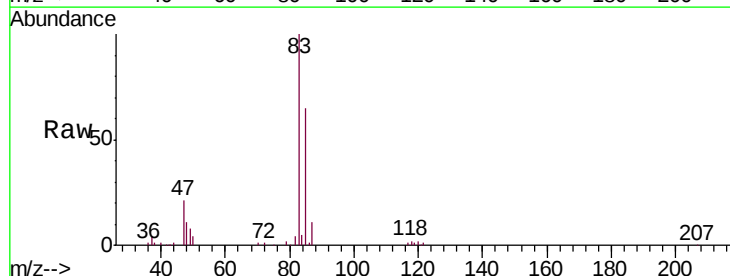
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

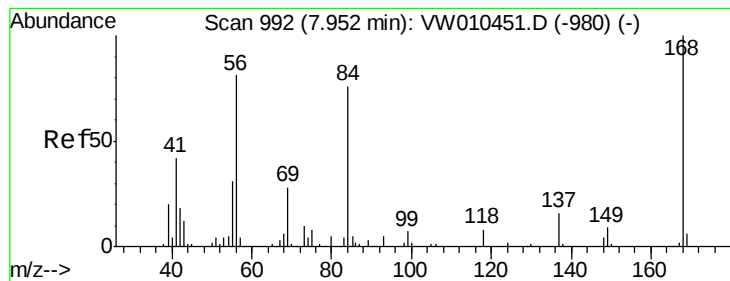
Tgt Ion: 42 Resp: 32781
Ion Ratio Lower Upper
42 100
72 49.5 38.5 57.7
71 46.3 36.5 54.7



#30
Chloroform
Concen: 20.234 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion: 83 Resp: 70329
Ion Ratio Lower Upper
83 100
85 65.4 52.2 78.4





#31

Cyclohexane

Concen: 18.335 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

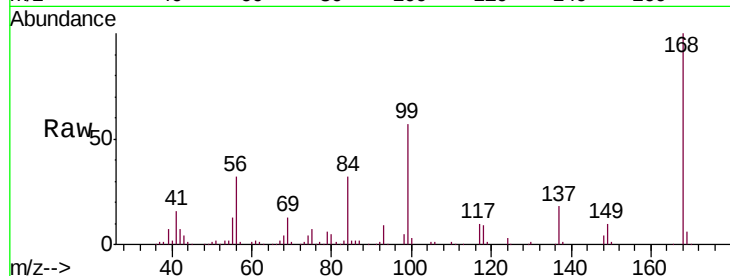
Tgt Ion: 56 Resp: 61889

Ion Ratio Lower Upper

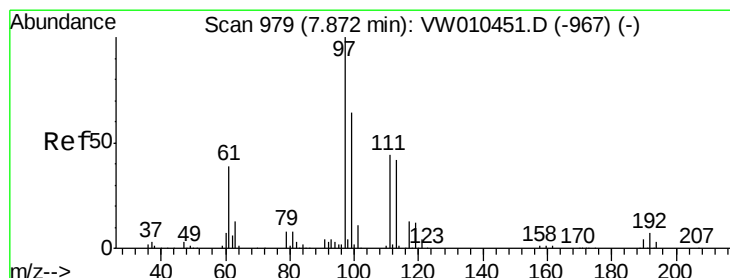
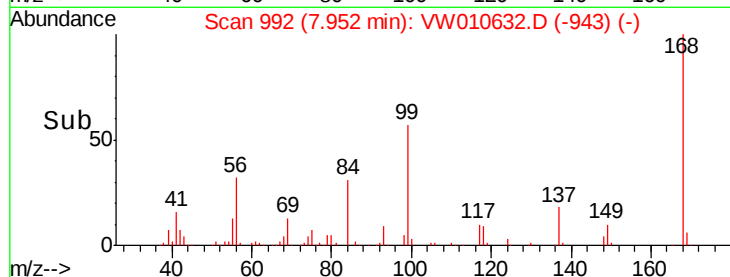
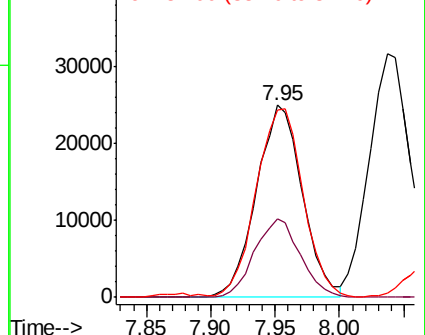
56 100

69 40.9 28.2 42.2

84 96.3 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: 19.711 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

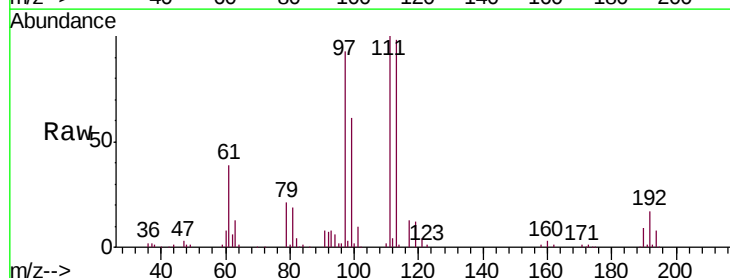
Tgt Ion: 97 Resp: 65483

Ion Ratio Lower Upper

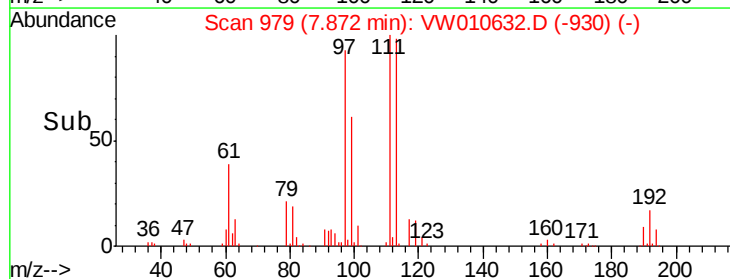
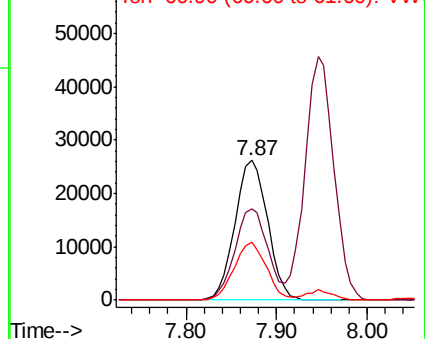
97 100

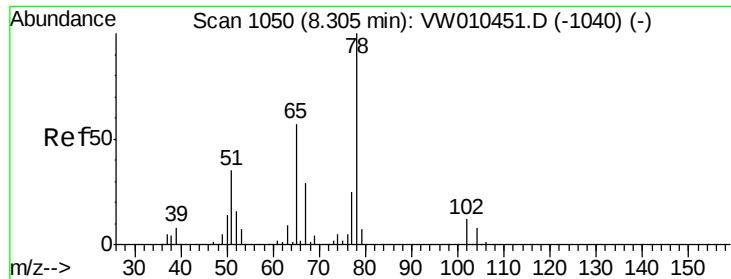
99 66.6 50.8 76.2

61 40.7 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: 49.125 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

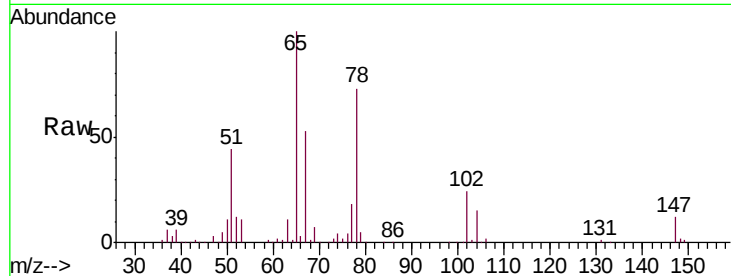
VW0531SBSD01

Tgt Ion: 65 Resp: 87337

Ion Ratio Lower Upper

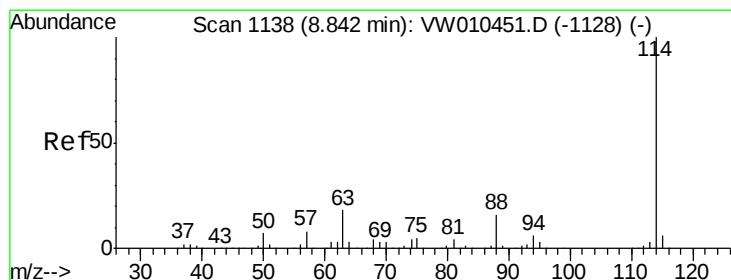
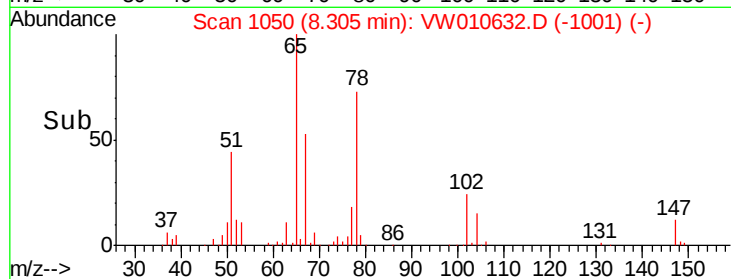
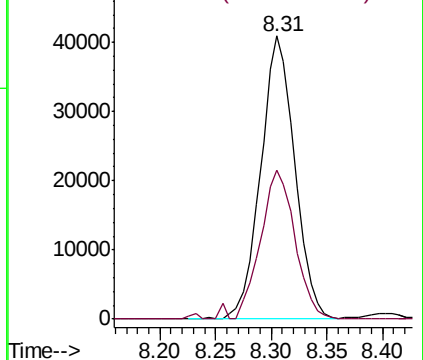
65 100

67 53.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

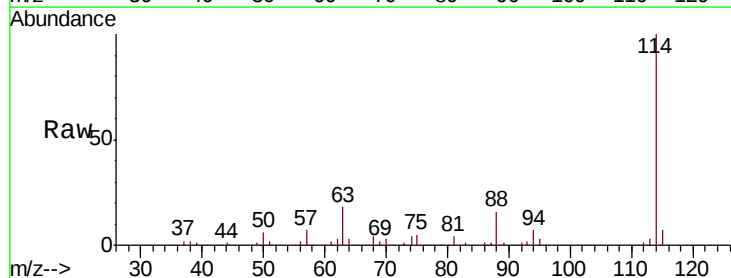
Tgt Ion: 114 Resp: 285596

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.0

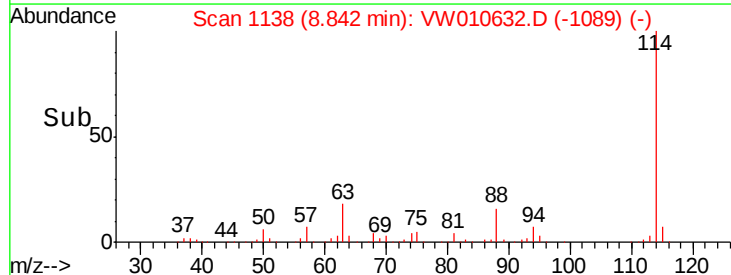
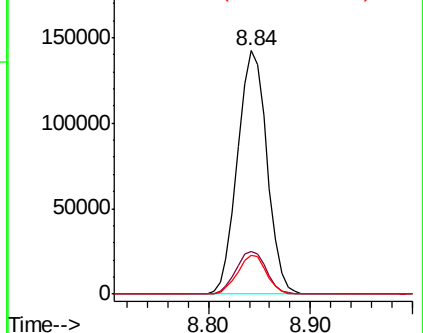
88 15.8 0.0 32.0

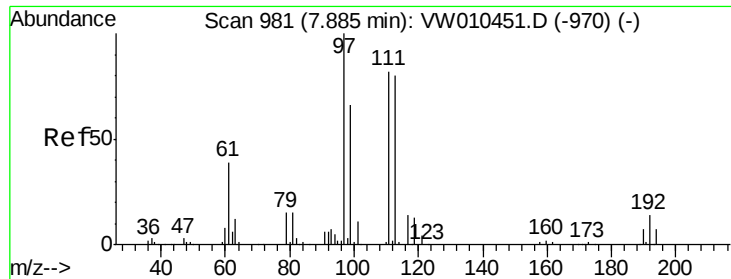


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

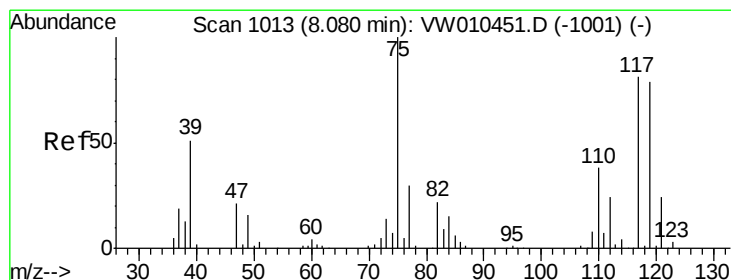
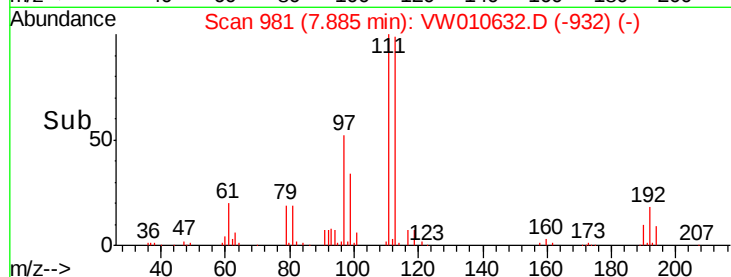
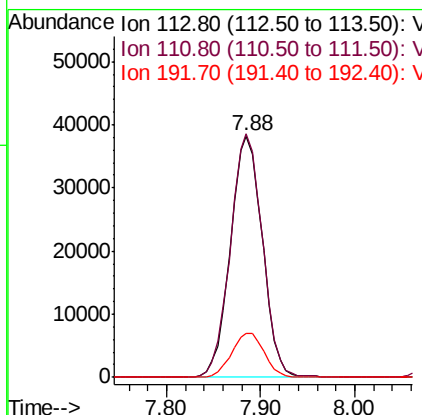
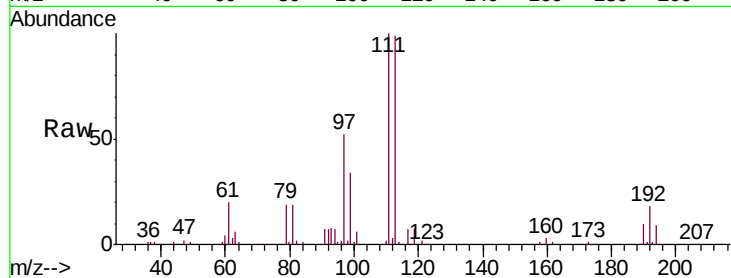




#35
 Dibromofluoromethane
 Concen: 52.103 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

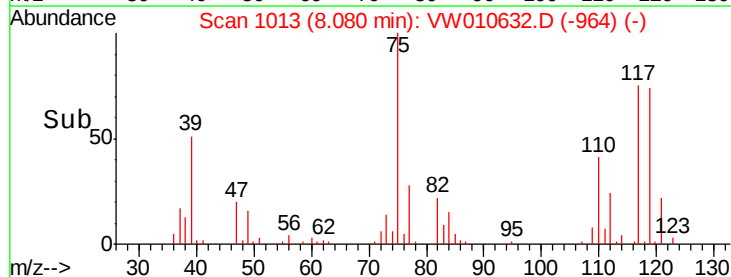
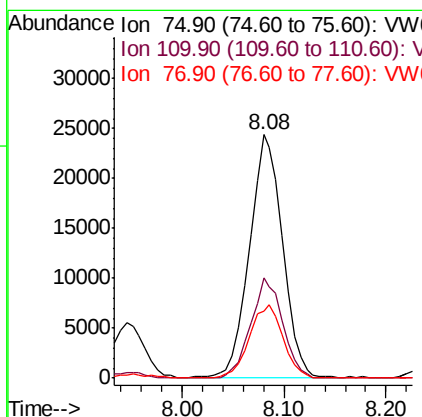
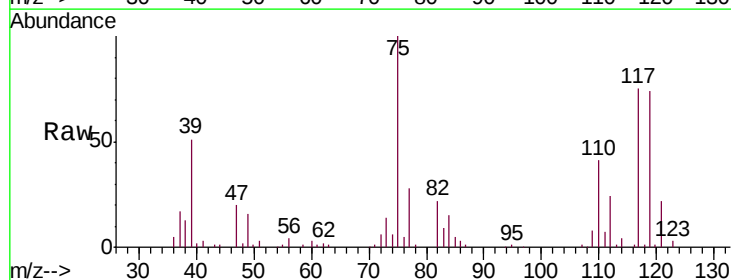
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBS01

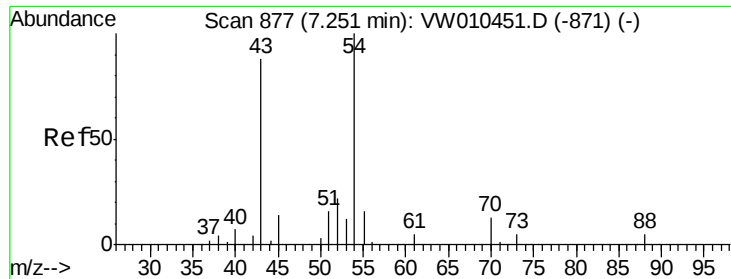
Tgt Ion:113 Resp: 90292
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.2 123.4
 192 18.5 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 20.747 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion: 75 Resp: 55196
 Ion Ratio Lower Upper
 75 100
 110 39.4 19.2 57.6
 77 30.7 25.2 37.8

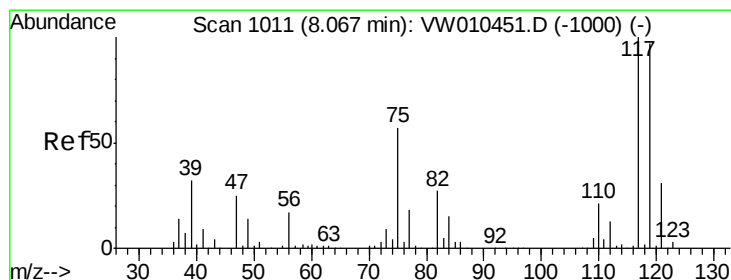
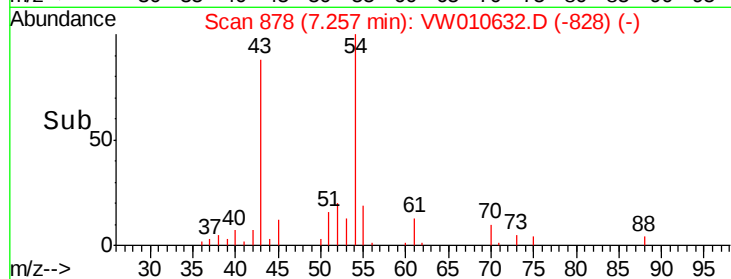
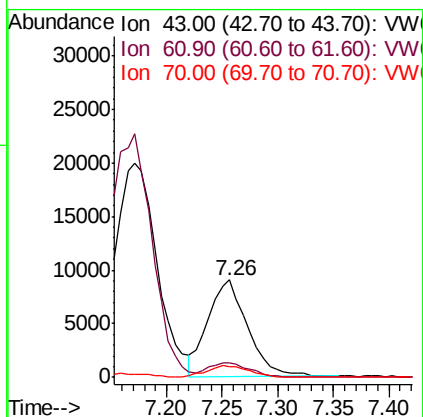
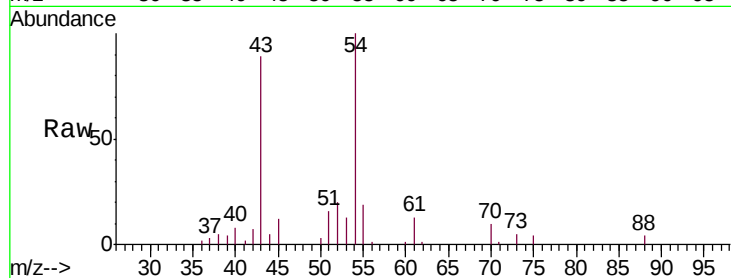




#37
Ethyl Acetate
Concen: 19.753 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

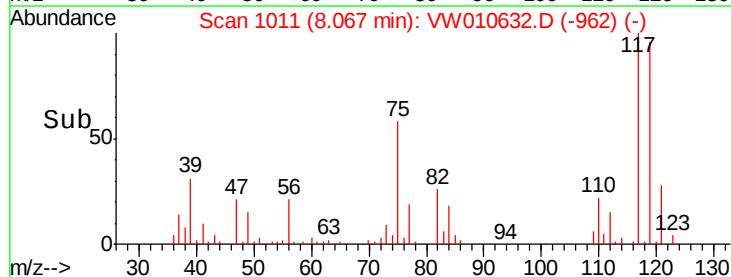
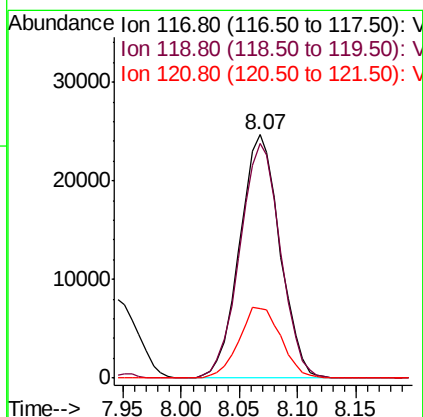
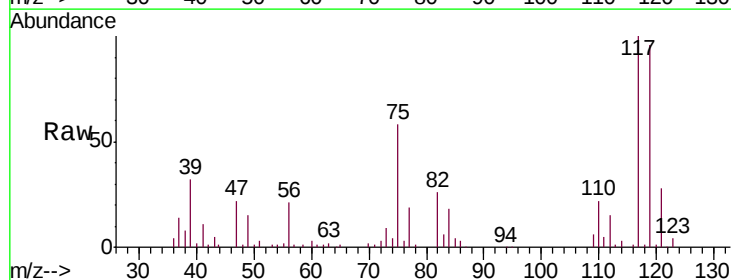
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

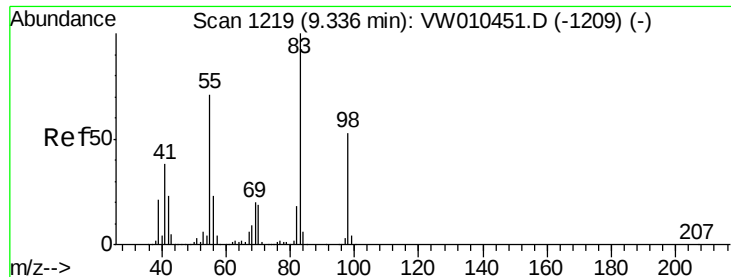
Tgt Ion: 43 Resp: 22348
Ion Ratio Lower Upper
43 100
61 15.9 11.2 16.8
70 12.9 9.9 14.9



#38
Carbon Tetrachloride
Concen: 20.643 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion: 117 Resp: 59246
Ion Ratio Lower Upper
117 100
119 96.2 77.4 116.0
121 28.4 25.0 37.6

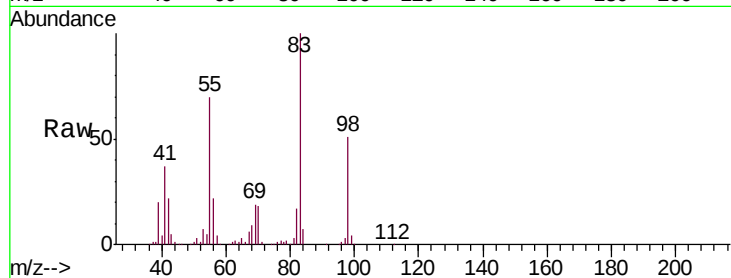




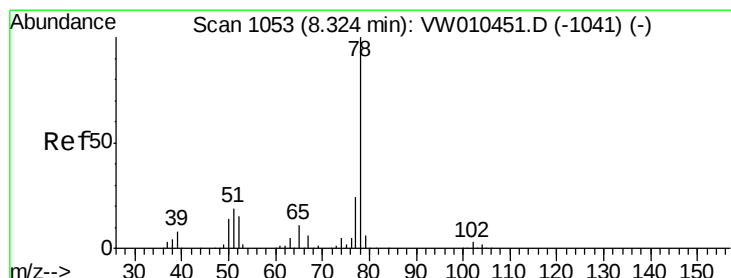
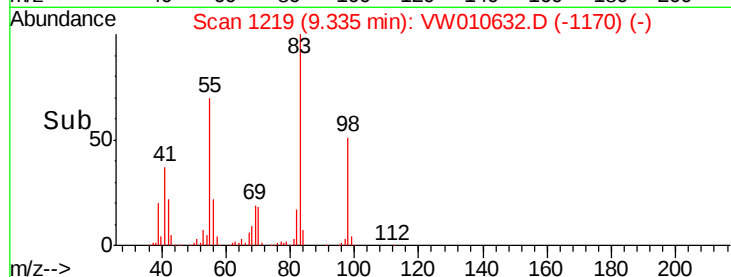
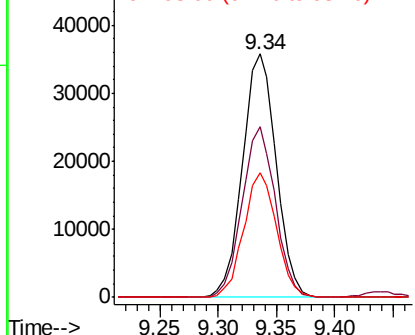
#39
Methylcyclohexane
Concen: 20.282 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

Tgt Ion: 83 Resp: 72294
Ion Ratio Lower Upper
83 100
55 70.1 57.0 85.6
98 51.1 42.0 63.0

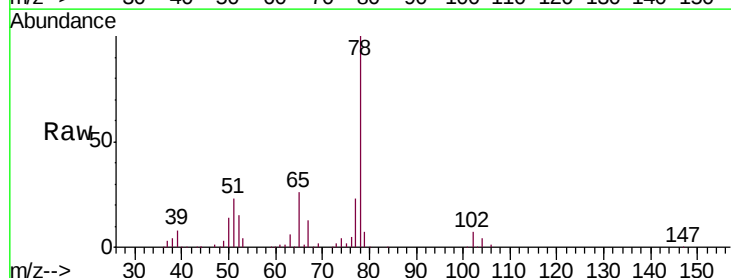


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

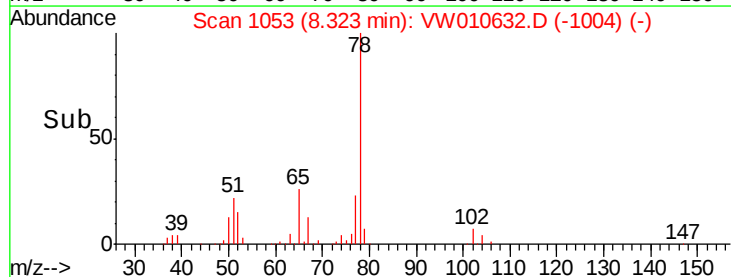
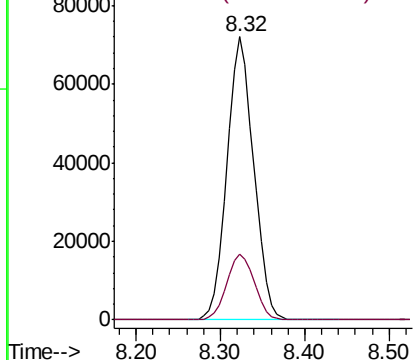


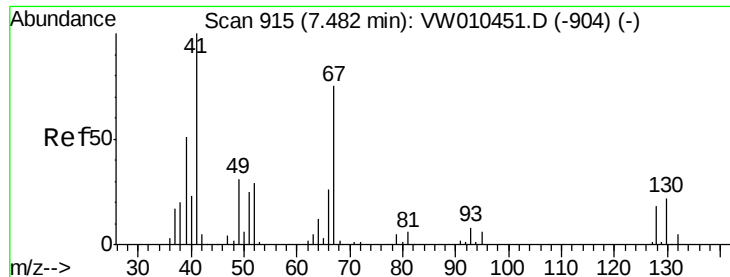
#40
Benzene
Concen: 20.995 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion: 78 Resp: 155251
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

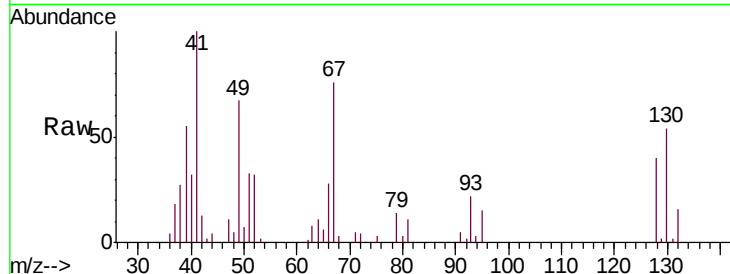




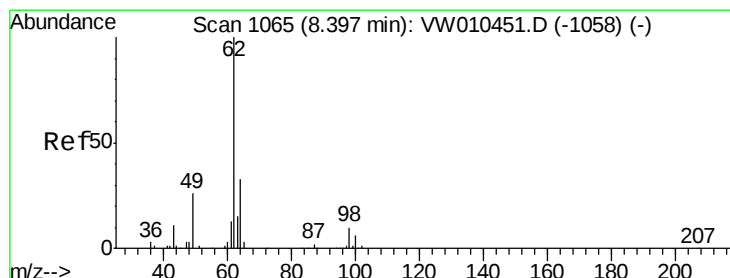
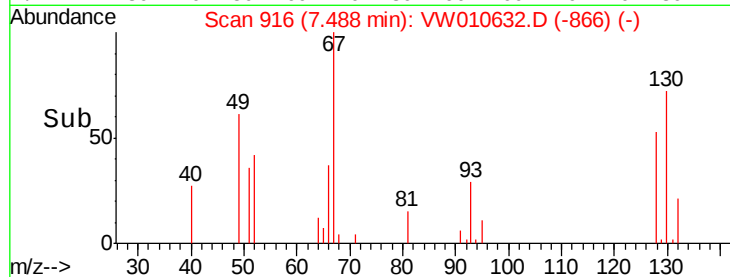
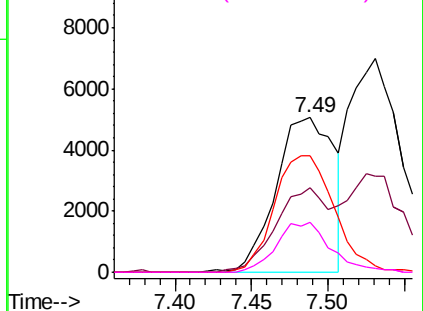
#41
Methacrylonitrile
Concen: 19.904 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

Tgt Ion:	41	Resp:	13380
Ion	Ratio	Lower	Upper
41	100		
39	47.4	47.4	71.2#
67	78.3	65.5	98.3
52	30.3	25.0	37.4

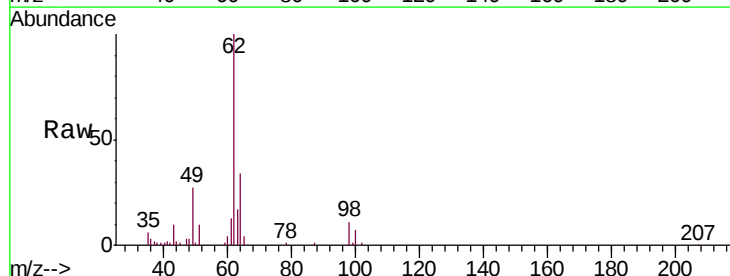


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

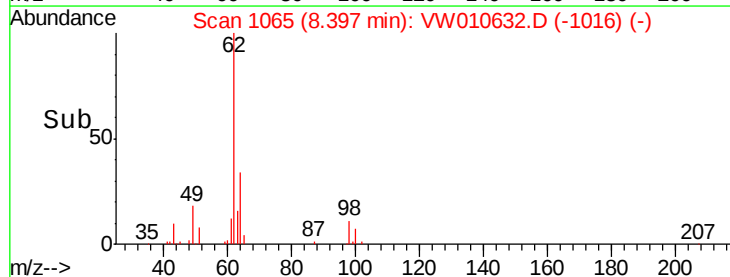
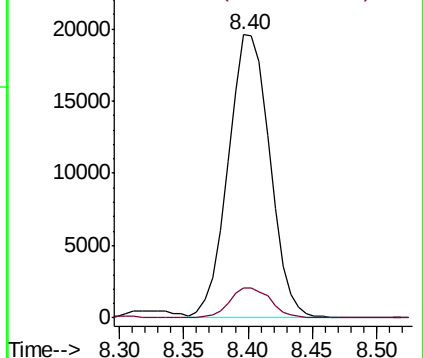


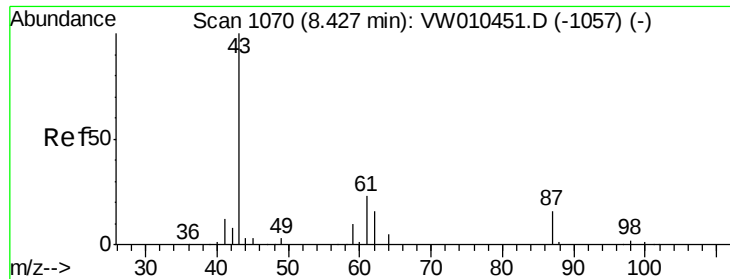
#42
1,2-Dichloroethane
Concen: 20.874 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion:	62	Resp:	44117
Ion	Ratio	Lower	Upper
62	100		
98	10.5	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: 19.352 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBSD01

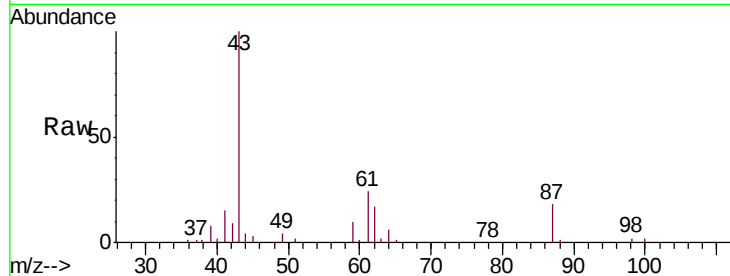
Tgt Ion: 43 Resp: 43739

Ion Ratio Lower Upper

43 100

61 32.8 25.4 38.2

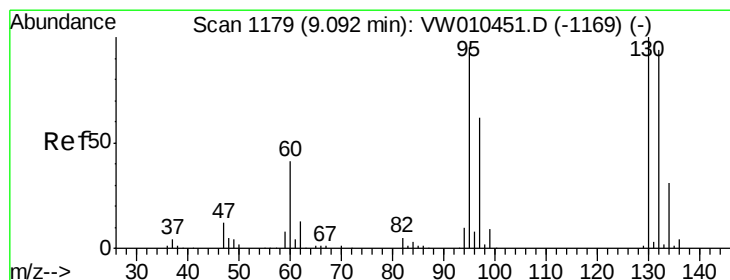
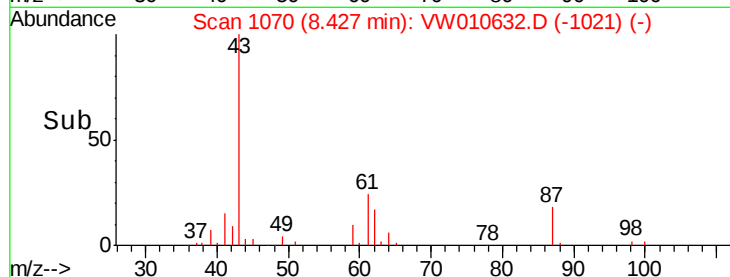
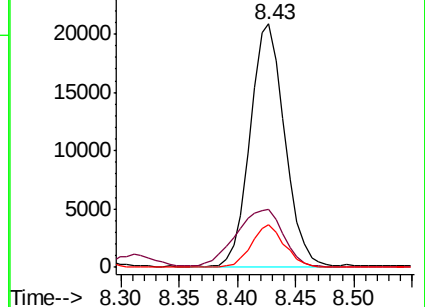
87 16.6 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.068 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010632.D

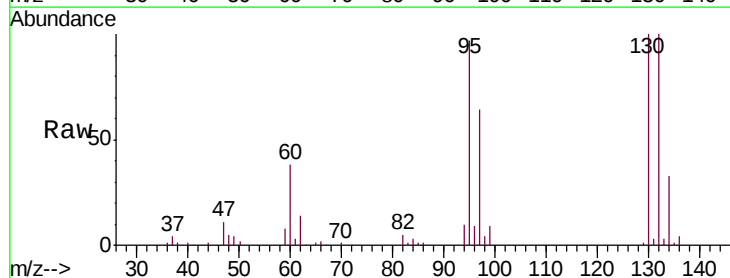
Acq: 31 May 2019 13:10

Tgt Ion: 130 Resp: 46250

Ion Ratio Lower Upper

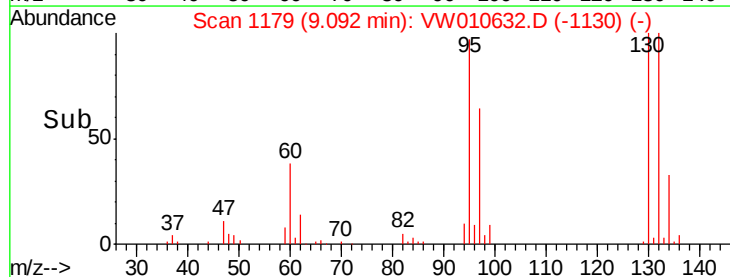
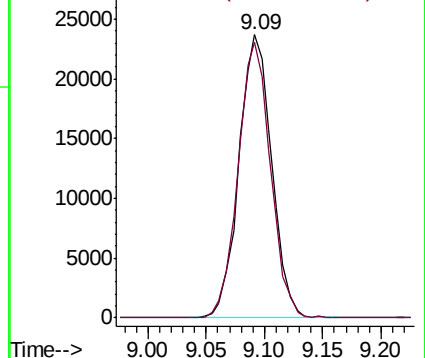
130 100

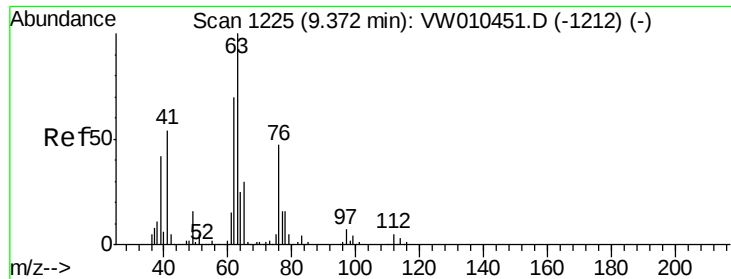
95 97.5 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

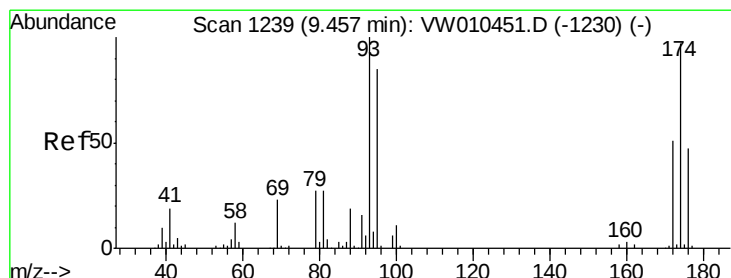
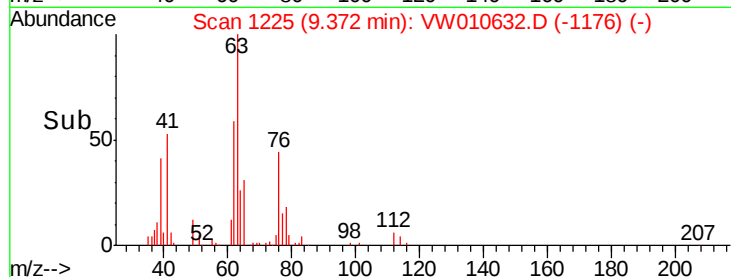
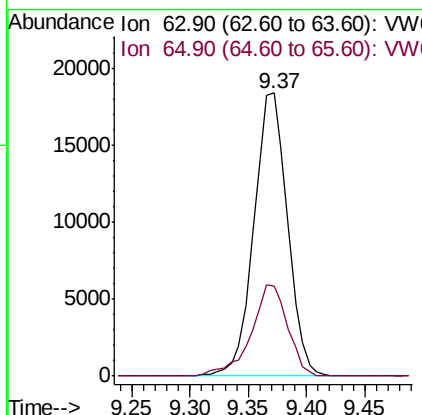
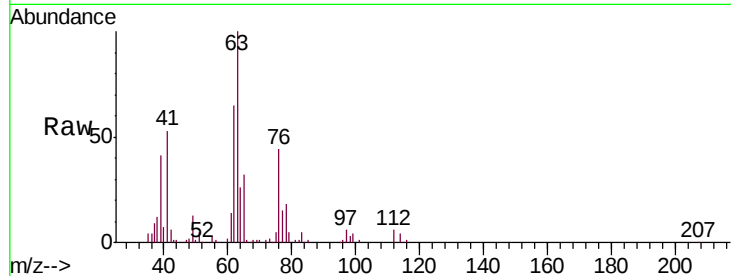




#45
 1,2-Dichloropropane
 Concen: 21.041 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

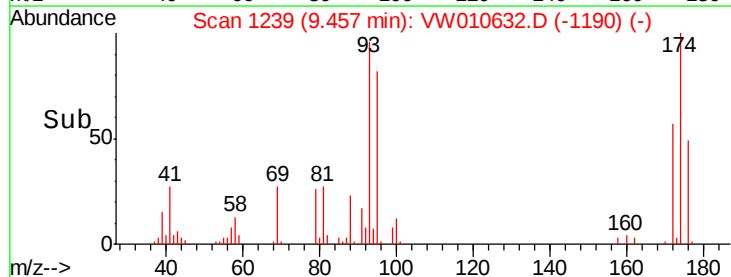
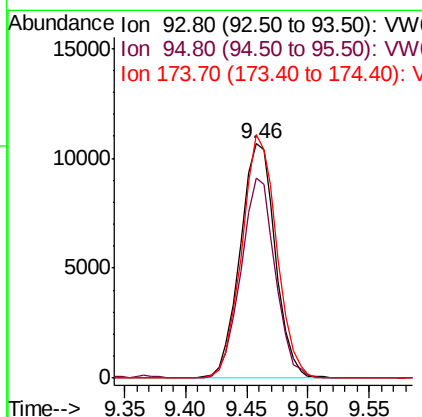
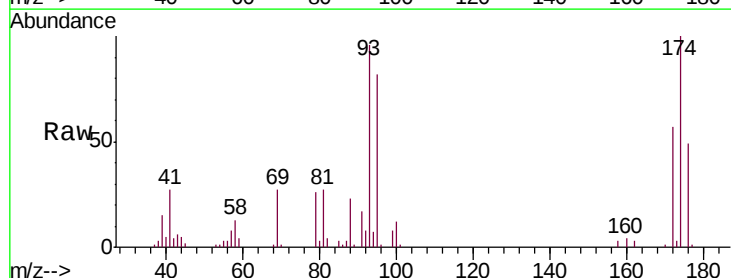
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBSD01

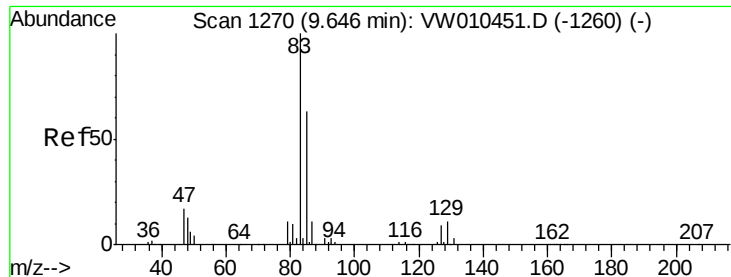
Tgt Ion: 63 Resp: 36952
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.3 36.5



#46
 Dibromomethane
 Concen: 20.650 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion: 93 Resp: 21209
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.1 99.1
 174 102.6 77.1 115.7

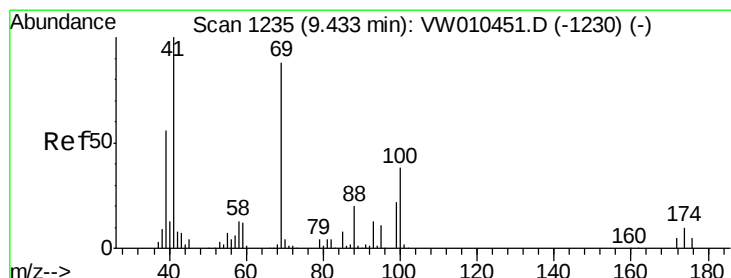
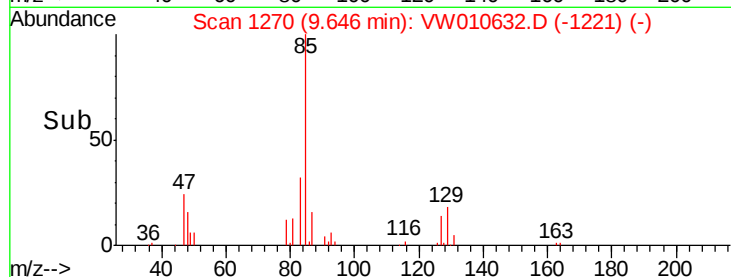
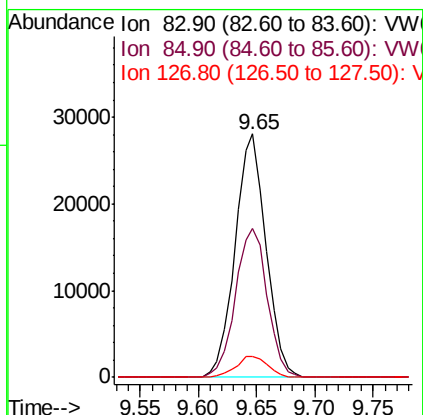
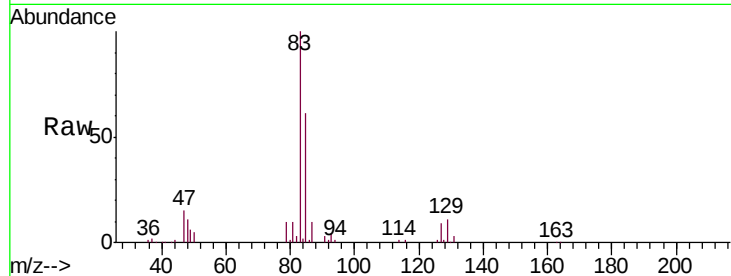




#47
 Bromodichloromethane
 Concen: 20.112 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

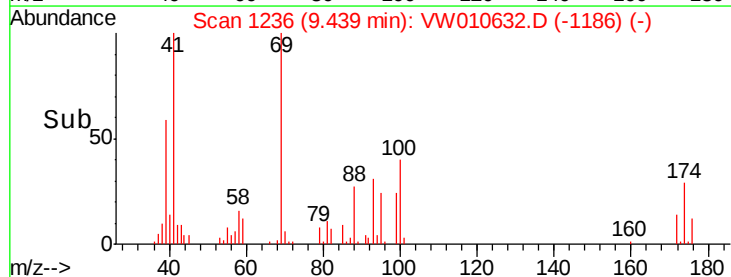
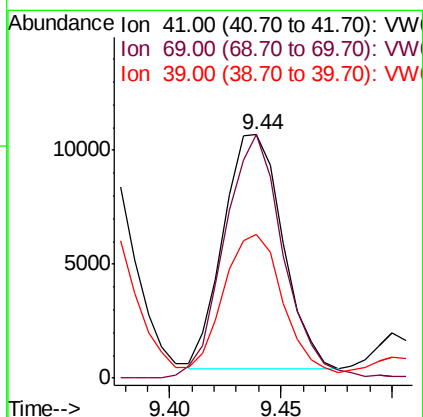
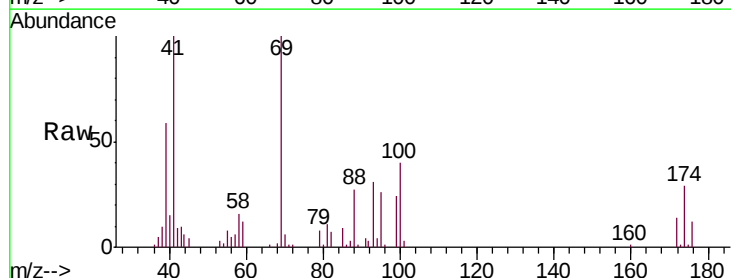
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBSD01

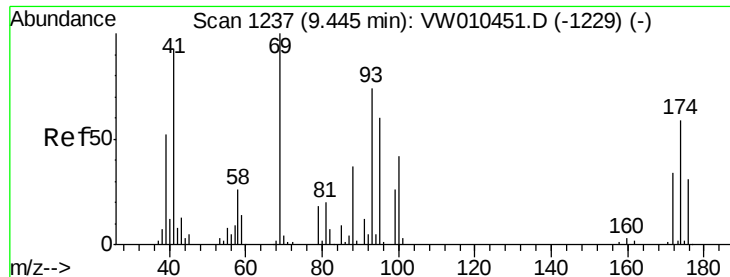
Tgt Ion: 83 Resp: 51910
 Ion Ratio Lower Upper
 83 100
 85 61.3 50.4 75.6
 127 8.6 7.4 11.0



#48
 Methyl methacrylate
 Concen: 18.446 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion: 41 Resp: 19073
 Ion Ratio Lower Upper
 41 100
 69 103.4 77.6 116.4
 39 58.2 49.8 74.8

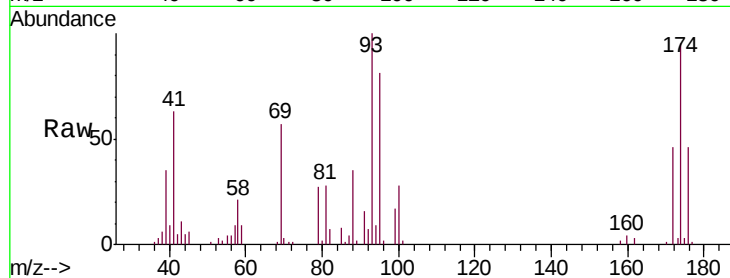




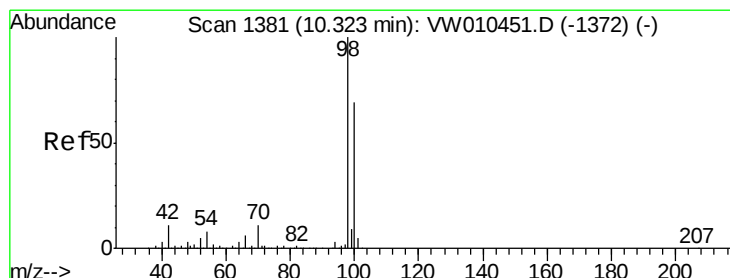
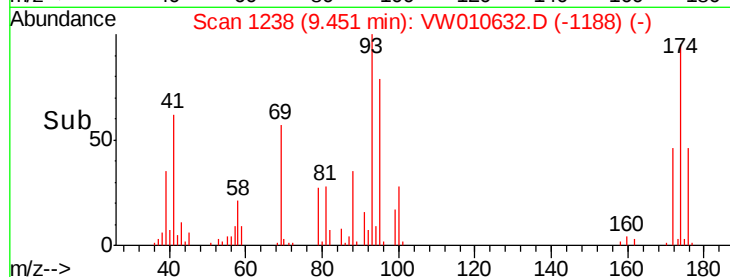
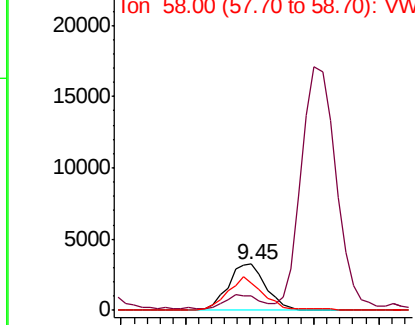
#49
1,4-Dioxane
Concen: 393.854 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

Tgt Ion: 88 Resp: 6608
Ion Ratio Lower Upper
88 100
43 26.7 25.9 38.9
58 66.2 52.7 79.1

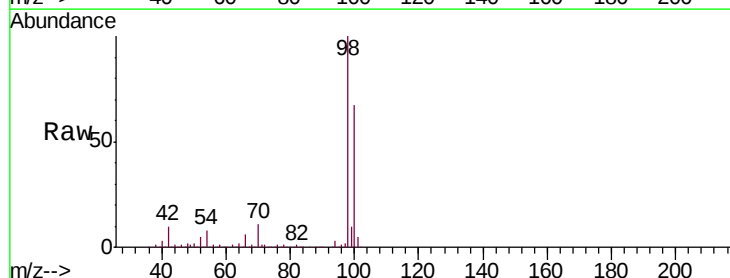


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

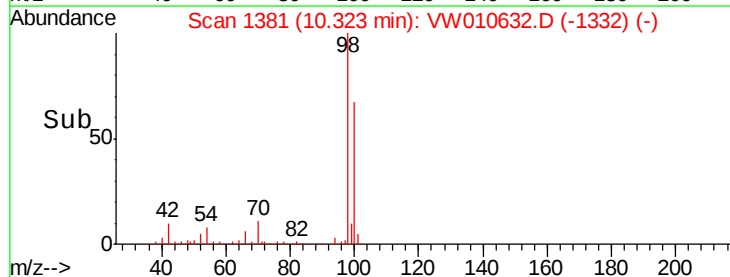
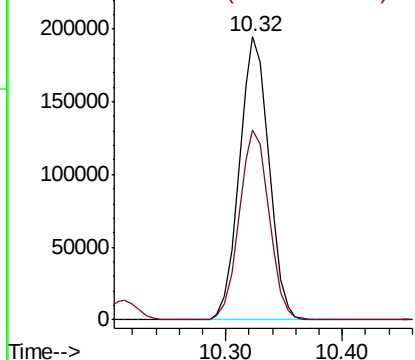


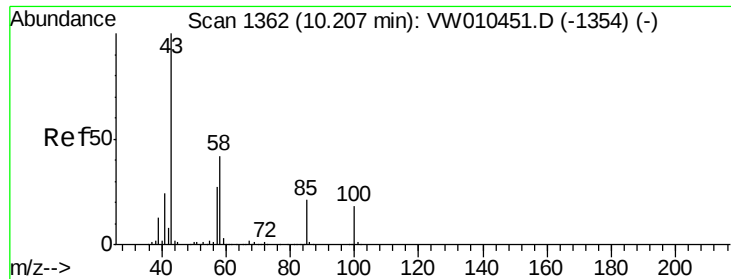
#50
Toluene-d8
Concen: 51.990 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion: 98 Resp: 344186
Ion Ratio Lower Upper
98 100
100 67.6 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

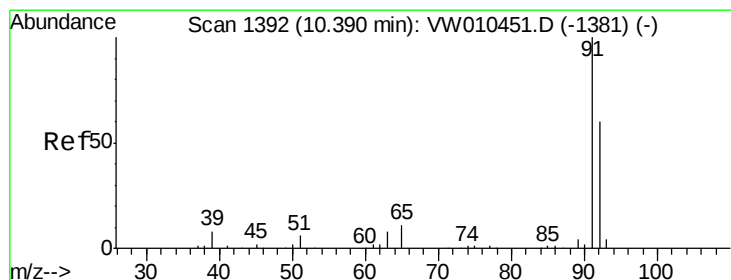
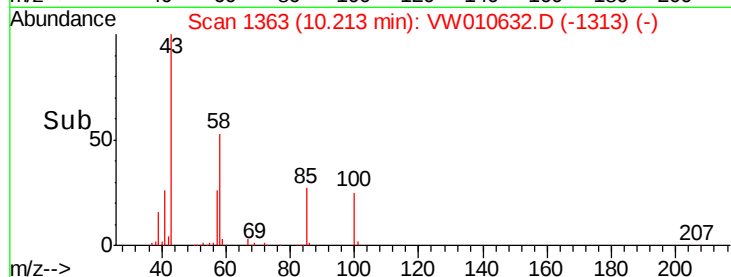
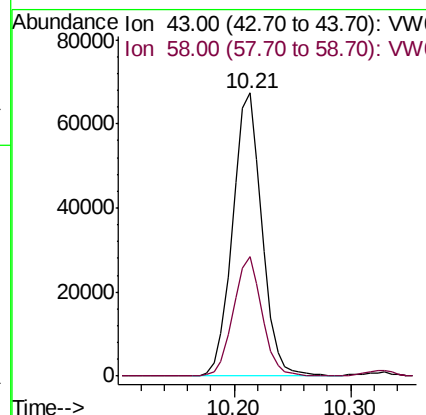
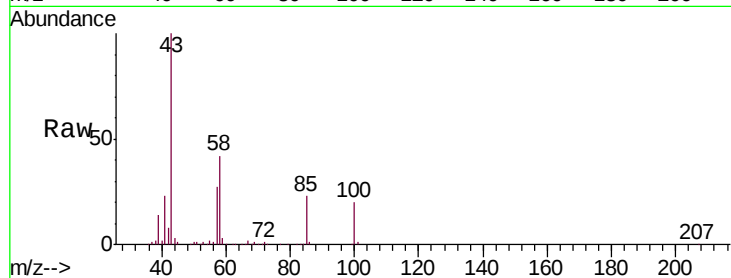




#51
 4-Methyl-2-Pentanone
 Concen: 102.452 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

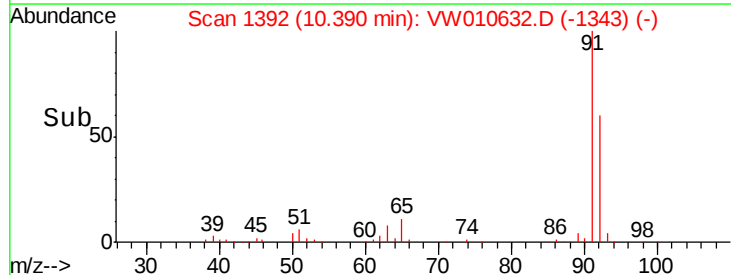
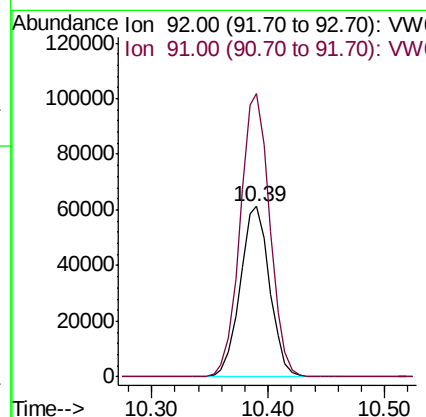
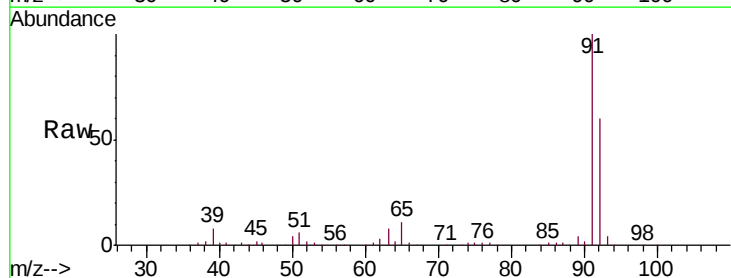
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBSD01

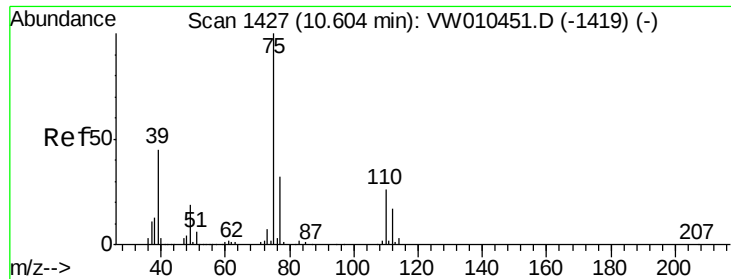
Tgt Ion: 43 Resp: 117338
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.2 49.8



#52
 Toluene
 Concen: 21.670 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion: 92 Resp: 107615
 Ion Ratio Lower Upper
 92 100
 91 167.8 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 19.432 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

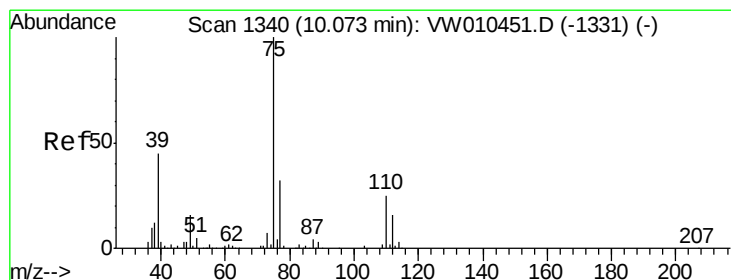
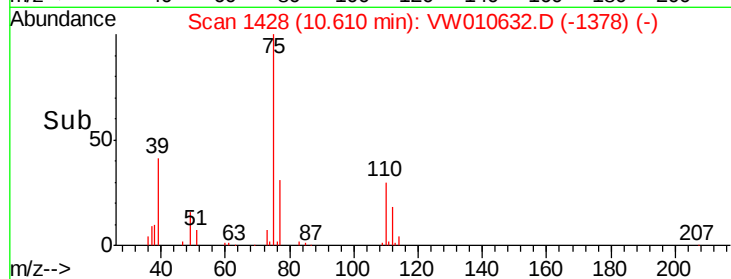
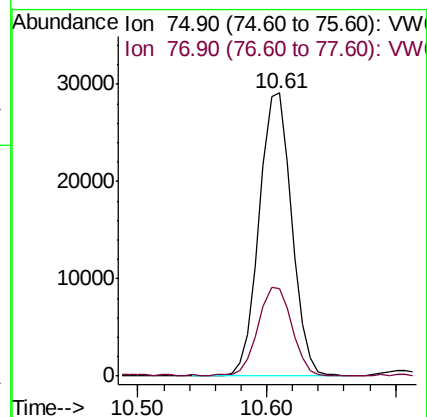
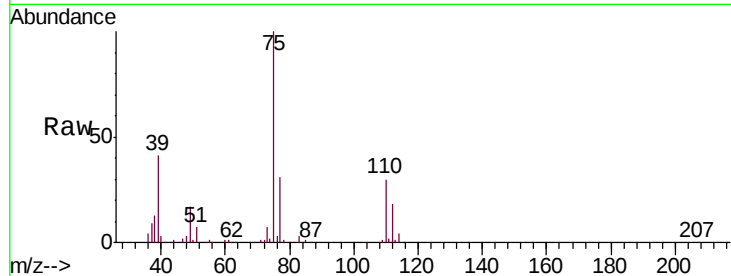
VW0531SBSD01

Tgt Ion: 75 Resp: 50795

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.079 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

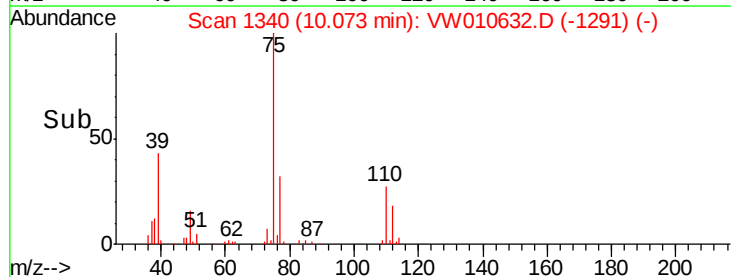
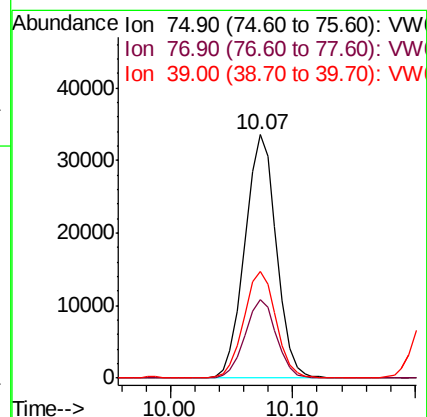
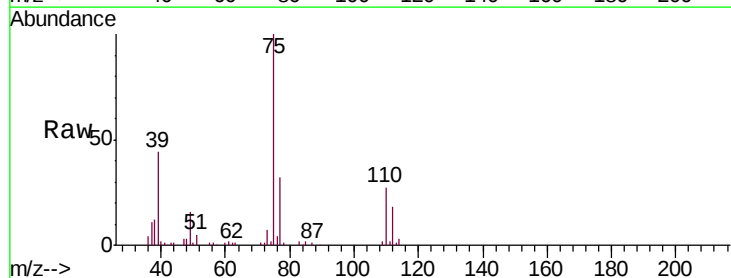
Tgt Ion: 75 Resp: 59941

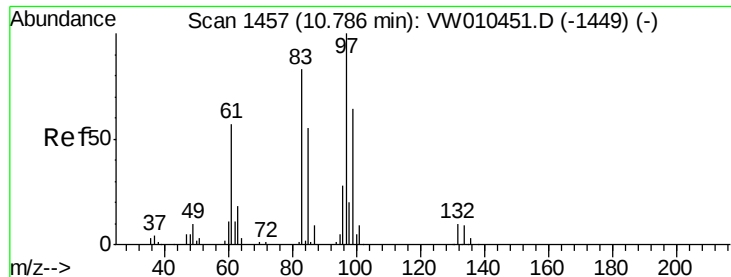
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

39 43.6 36.2 54.4

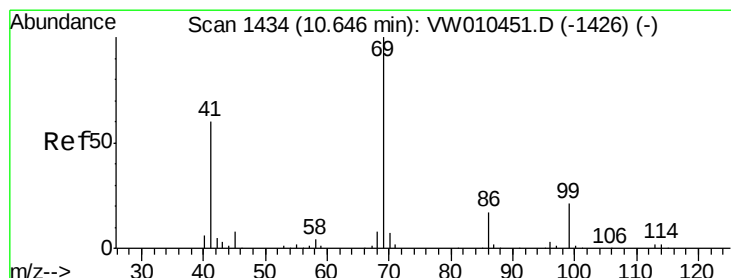
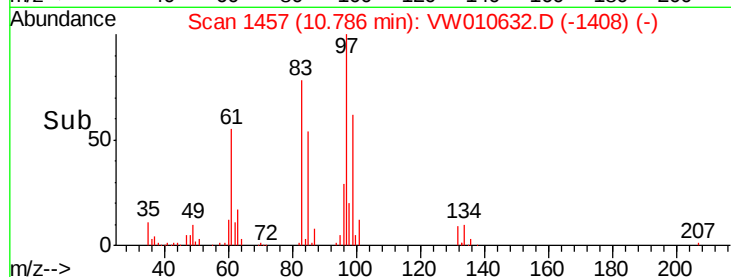
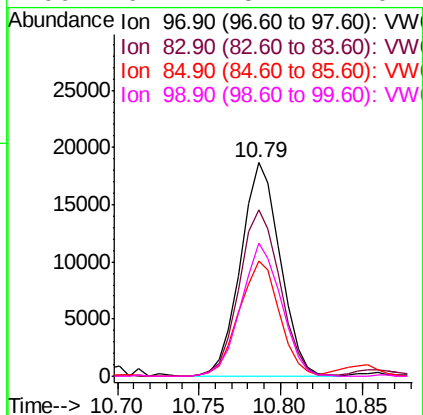
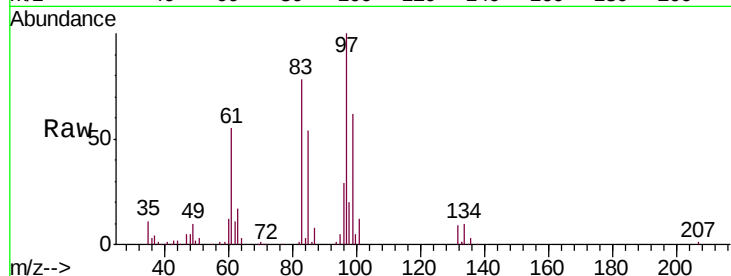




#55
 1,1,2-Trichloroethane
 Concen: 21.419 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

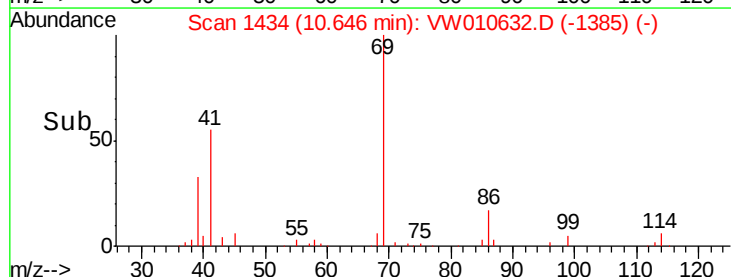
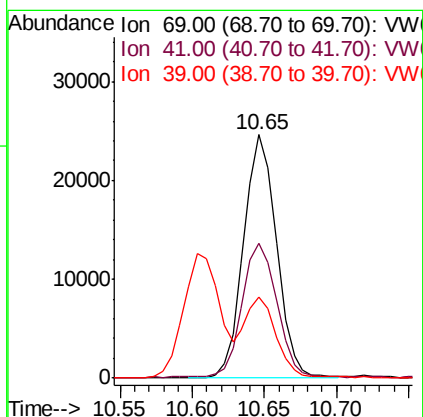
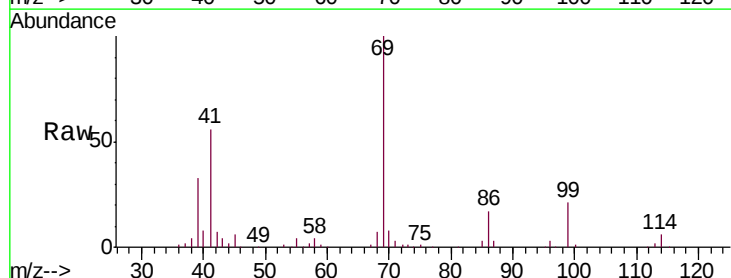
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBSD01

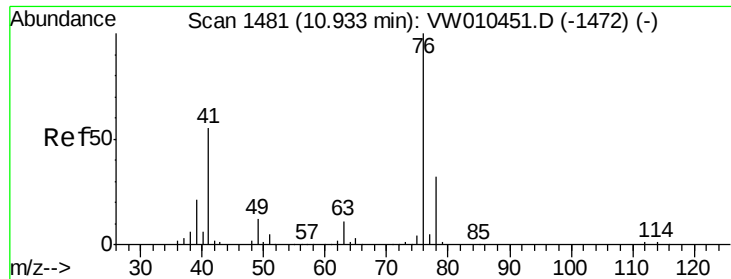
Tgt Ion:	97	Resp:	31635
Ion	Ratio	Lower	Upper
97	100		
83	78.1	66.1	99.1
85	54.1	44.2	66.4
99	62.2	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 19.246 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion:	69	Resp:	39202
Ion	Ratio	Lower	Upper
69	100		
41	57.9	47.7	71.5
39	33.0	25.3	37.9

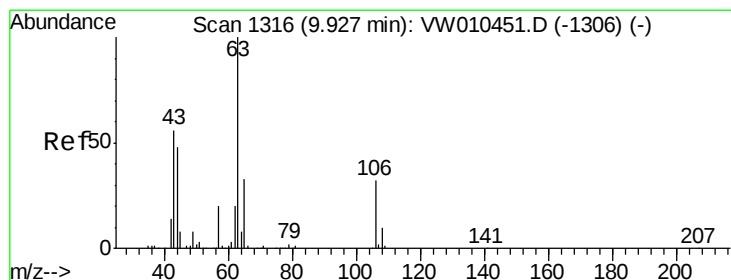
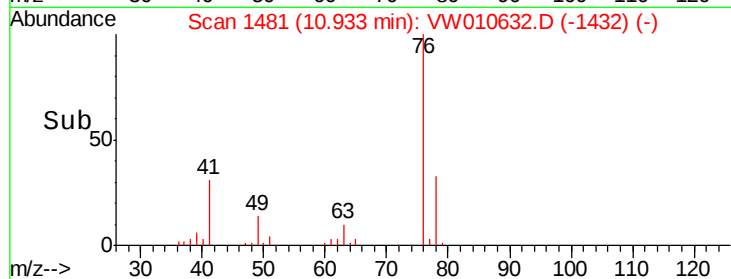
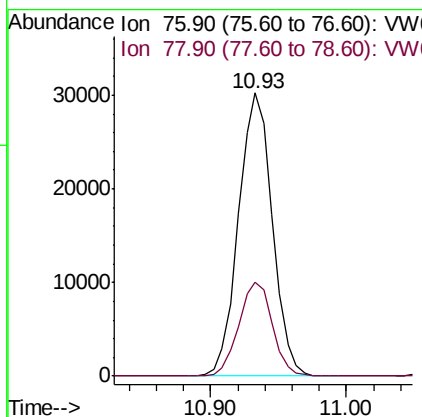
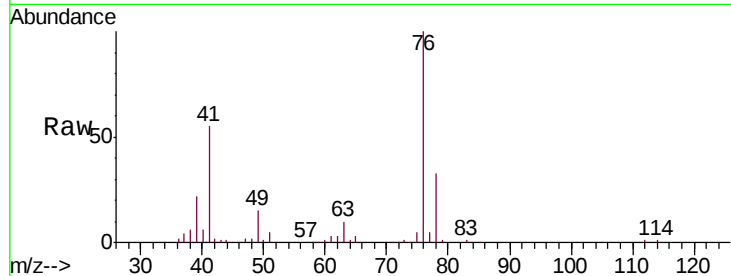




#57
 1,3-Dichloropropane
 Concen: 21.169 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

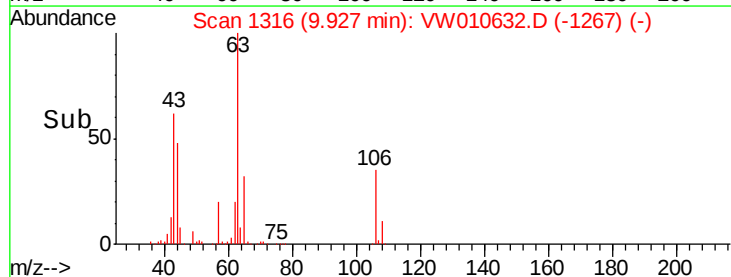
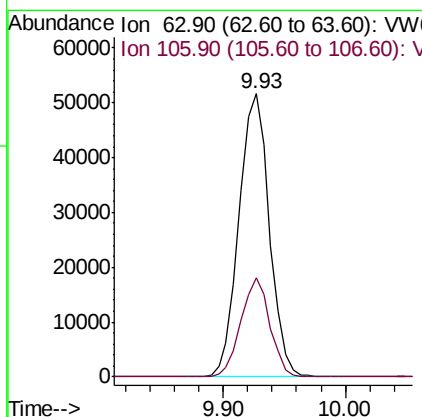
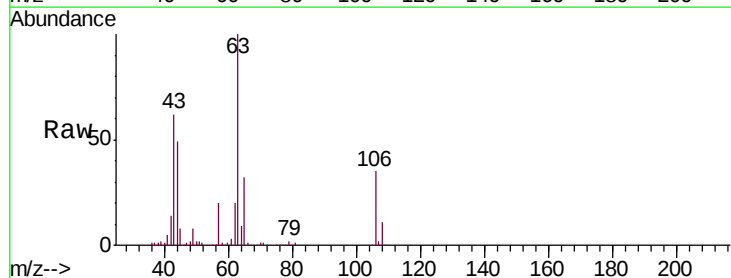
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBSD01

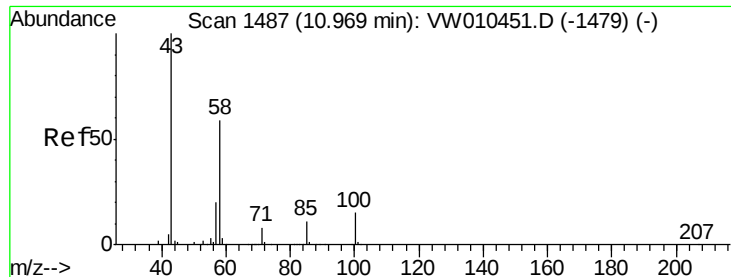
Tgt Ion: 76 Resp: 52371
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.667 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion: 63 Resp: 89019
 Ion Ratio Lower Upper
 63 100
 106 33.5 25.8 38.6

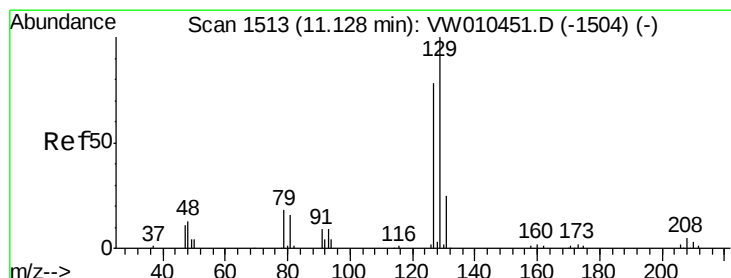
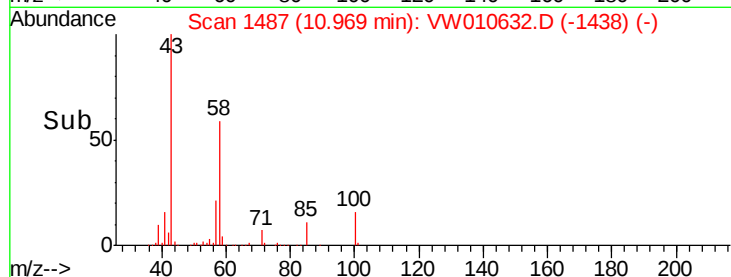
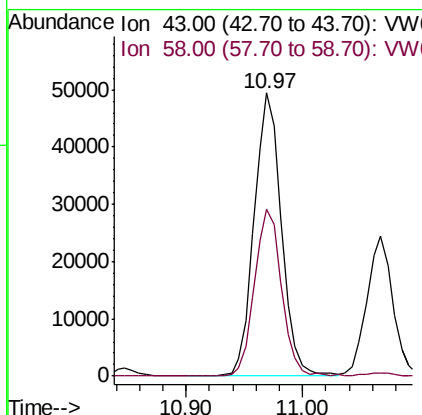
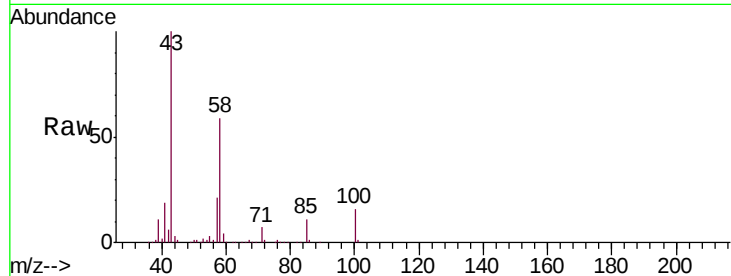




#59
2-Hexanone
Concen: 99.155 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

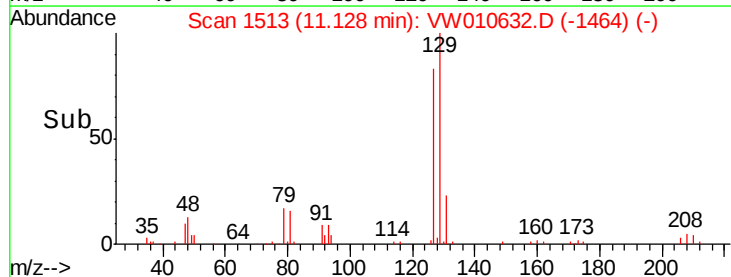
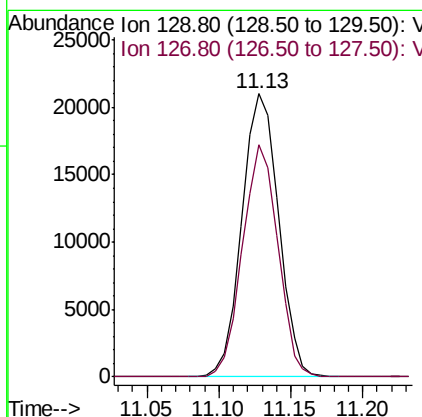
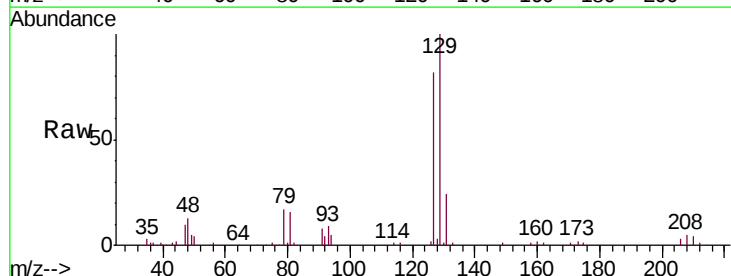
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

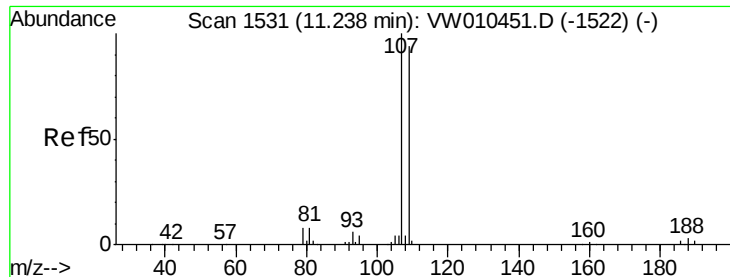
Tgt Ion: 43 Resp: 81009
Ion Ratio Lower Upper
43 100
58 58.4 28.9 86.8



#60
Dibromochloromethane
Concen: 19.815 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion: 129 Resp: 37038
Ion Ratio Lower Upper
129 100
127 79.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.947 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

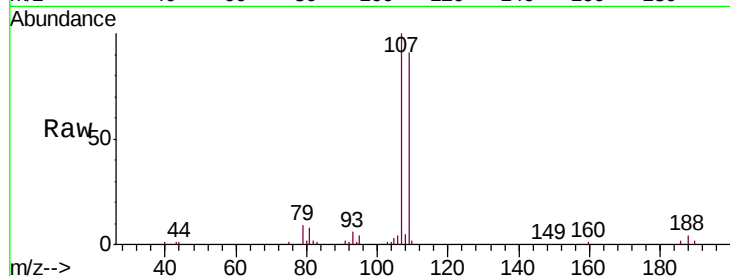
VW0531SBSD01

Tgt Ion: 107 Resp: 31339

Ion Ratio Lower Upper

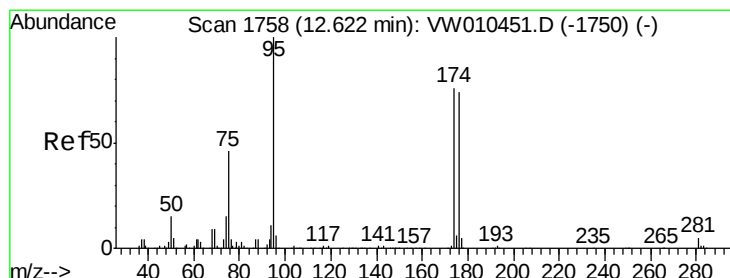
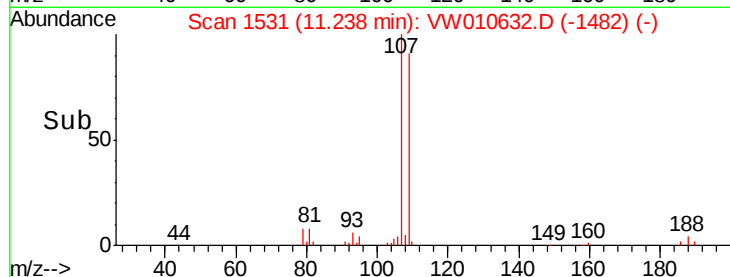
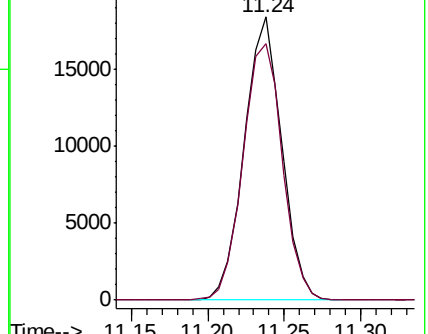
107 100

109 95.5 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.517 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

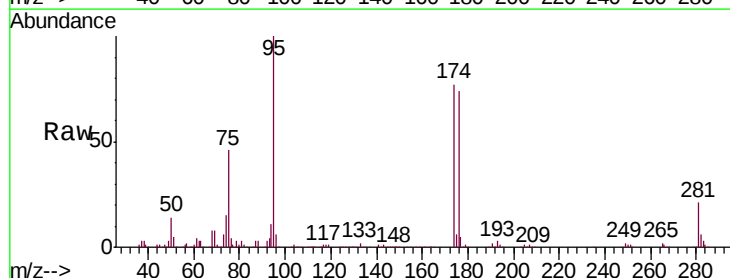
Tgt Ion: 95 Resp: 135848

Ion Ratio Lower Upper

95 100

174 76.3 0.0 148.6

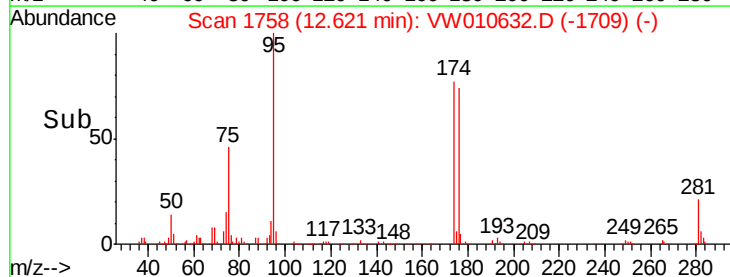
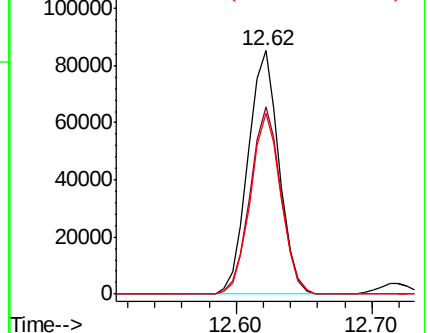
176 73.1 0.0 144.2

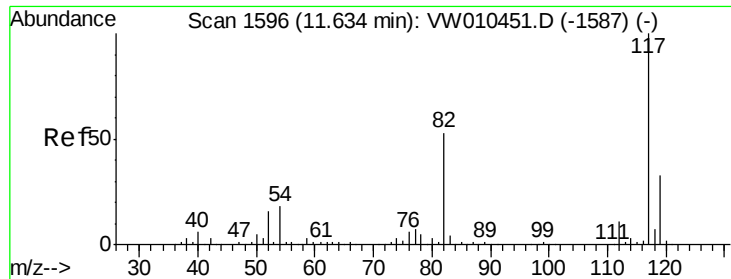


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

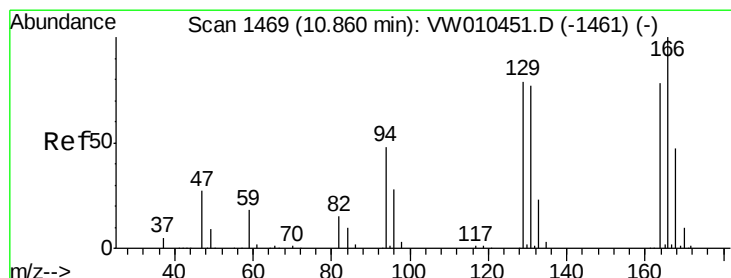
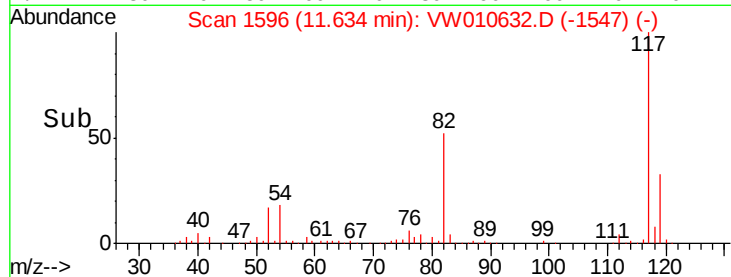
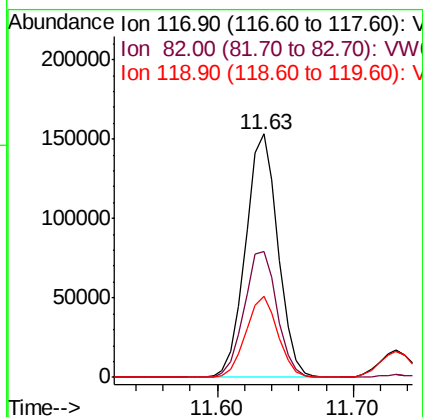
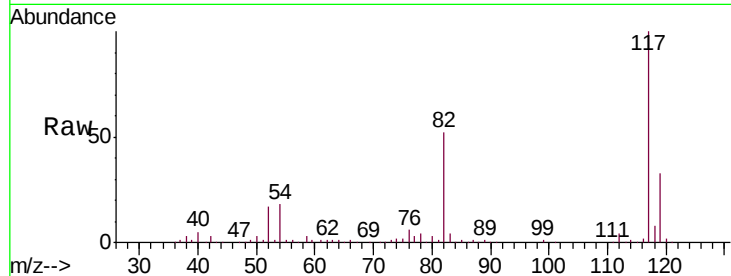




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

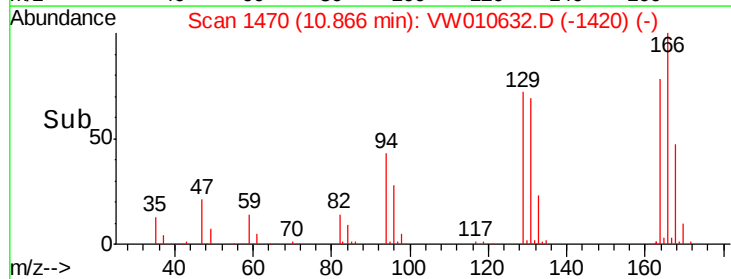
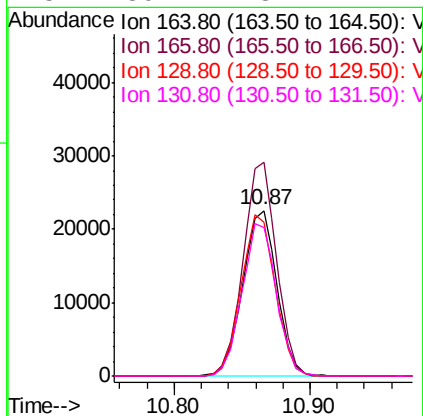
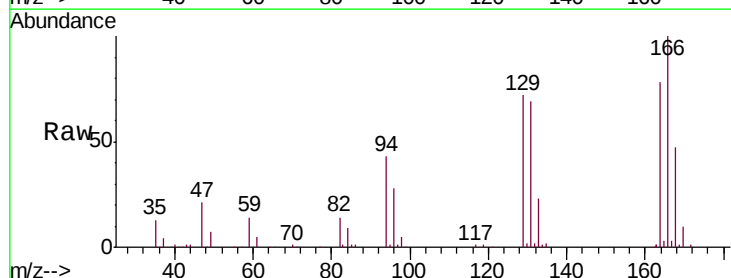
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

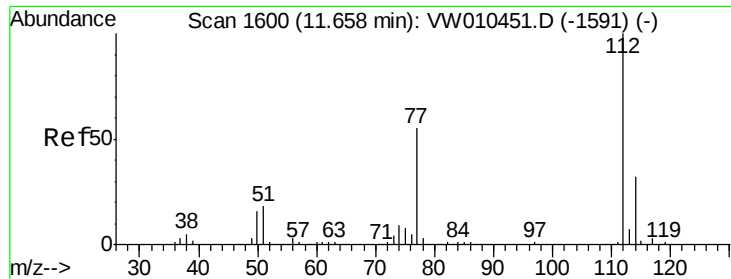
Tgt Ion:117 Resp: 255621
Ion Ratio Lower Upper
117 100
82 51.8 42.8 64.2
119 33.0 26.3 39.5



#64
Tetrachloroethene
Concen: 22.174 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion:164 Resp: 39513
Ion Ratio Lower Upper
164 100
166 129.0 101.9 152.9
129 92.9 80.6 121.0
131 89.4 78.2 117.2

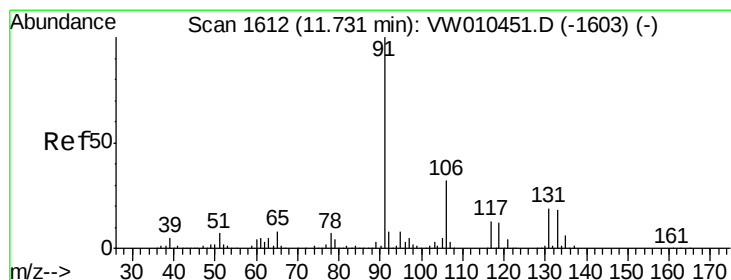
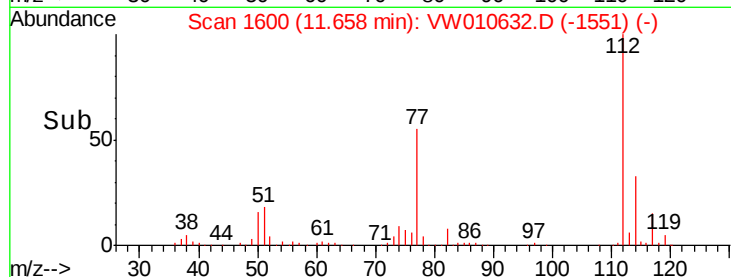
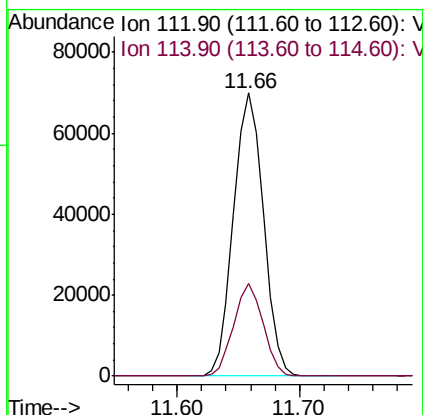
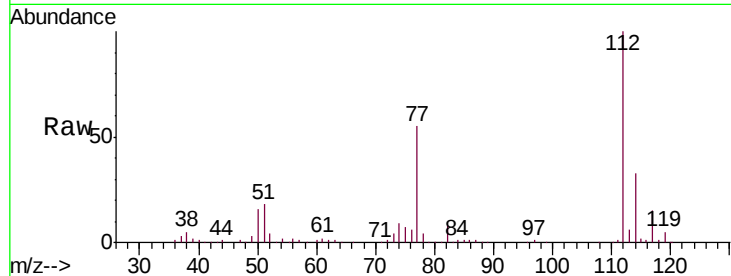




#65
Chlorobenzene
Concen: 21.811 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

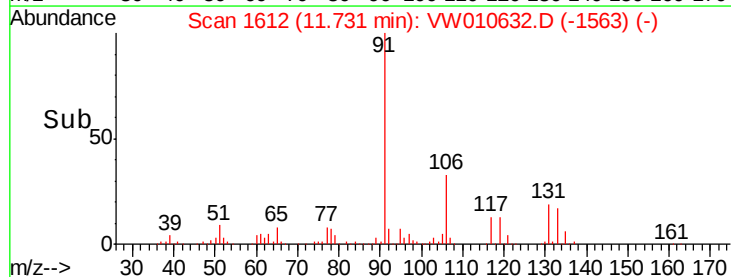
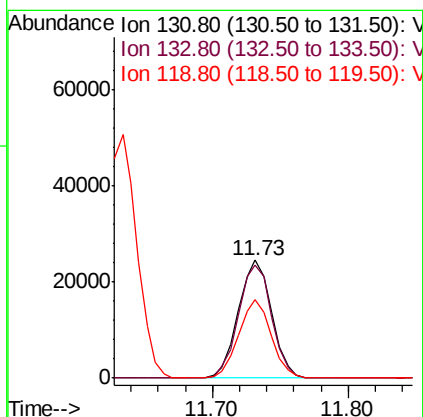
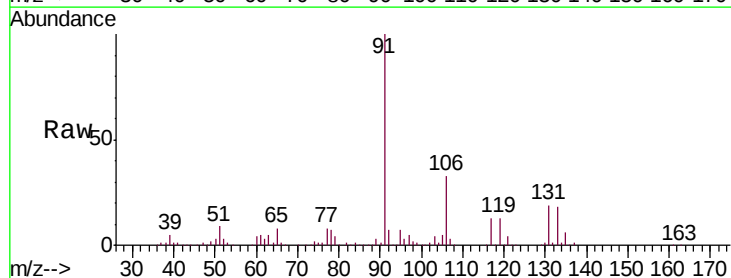
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

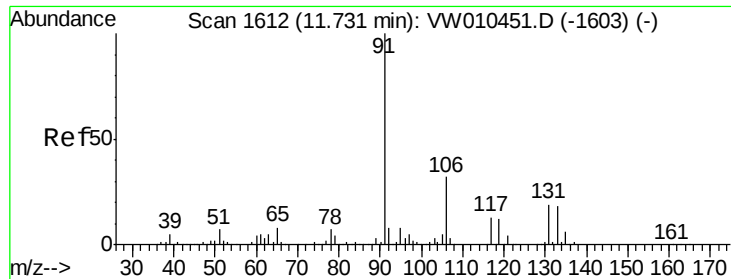
Tgt Ion:112 Resp: 118821
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.452 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion:131 Resp: 41864
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 65.2 32.1 96.5

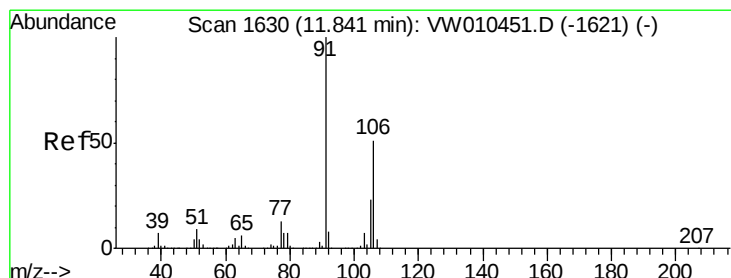
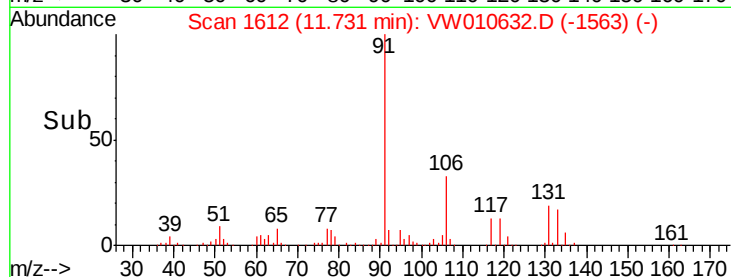
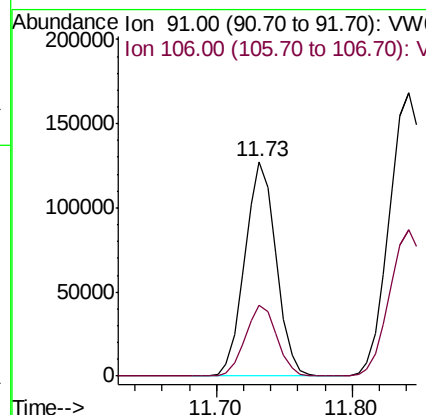
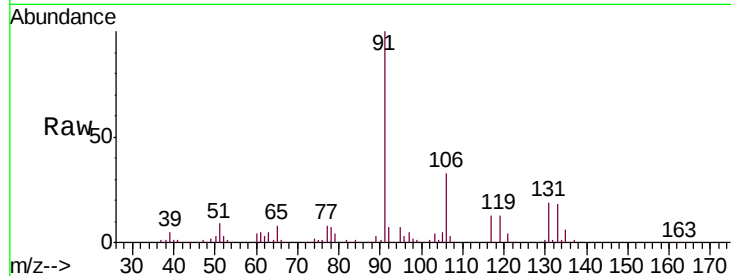




#67
Ethyl Benzene
Concen: 21.258 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

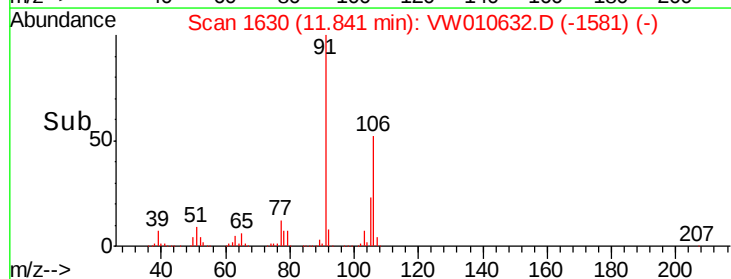
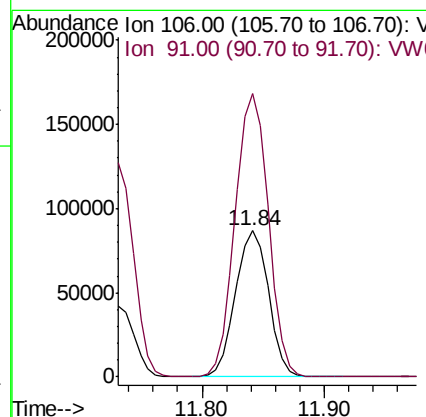
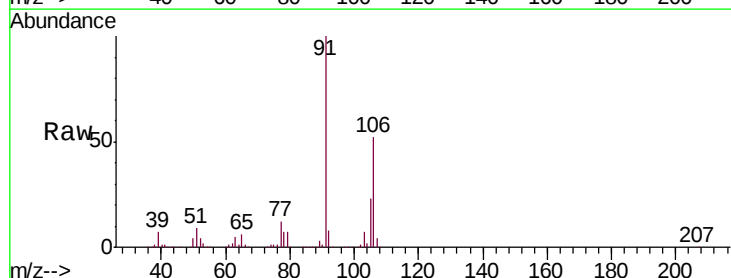
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

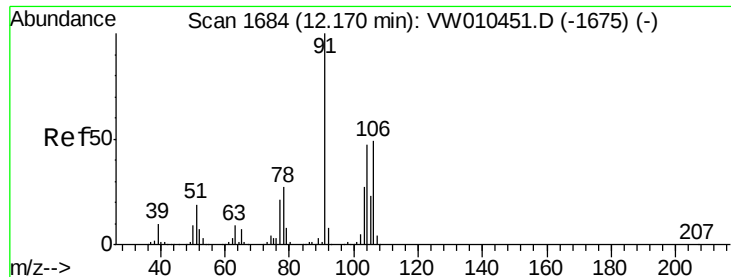
Tgt Ion: 91 Resp: 204467
Ion Ratio Lower Upper
91 100
106 32.8 25.9 38.9



#68
m/p-Xylenes
Concen: 43.223 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion: 106 Resp: 163067
Ion Ratio Lower Upper
106 100
91 194.1 156.0 234.0

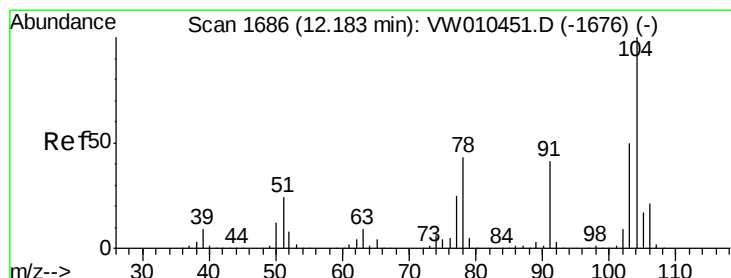
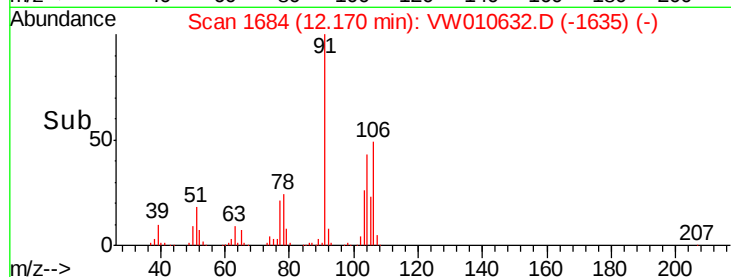
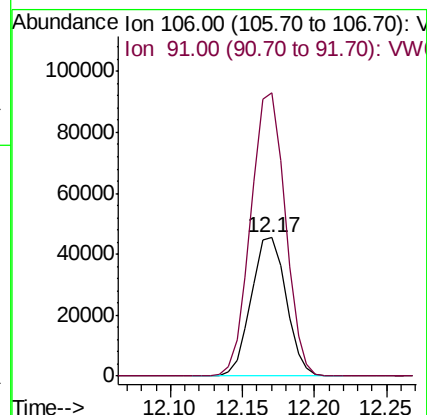
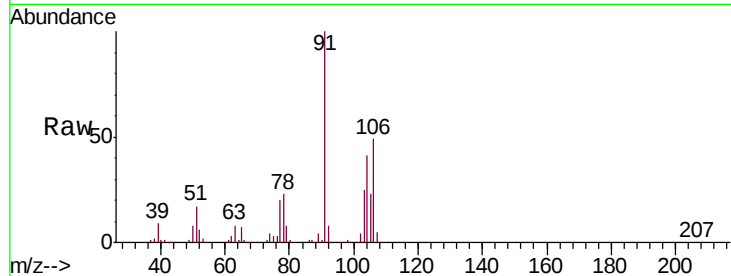




#69
o-Xylene
Concen: 21.397 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

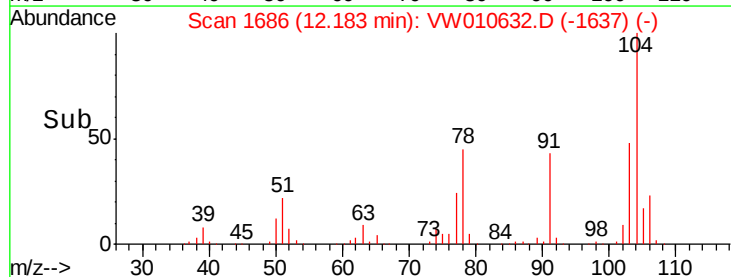
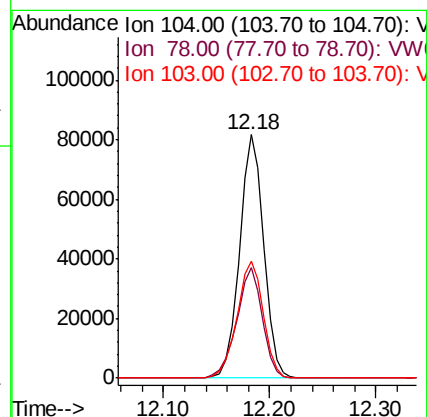
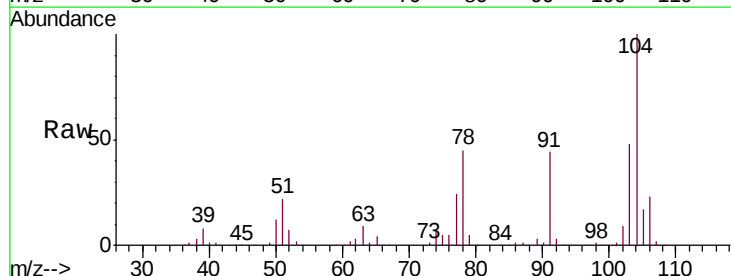
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

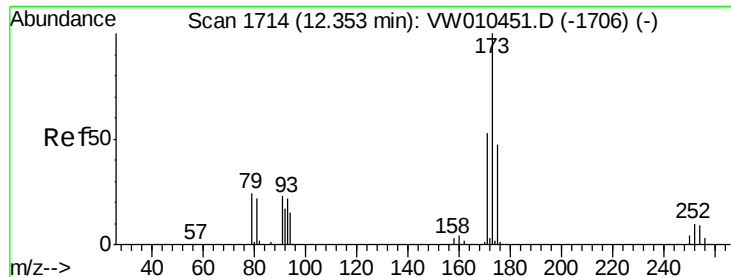
Tgt Ion:106 Resp: 76481
Ion Ratio Lower Upper
106 100
91 201.5 103.2 309.4



#70
Styrene
Concen: 21.388 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion:104 Resp: 129713
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.4
103 52.4 43.0 64.6





#71

Bromoform

Concen: 18.929 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBSD01

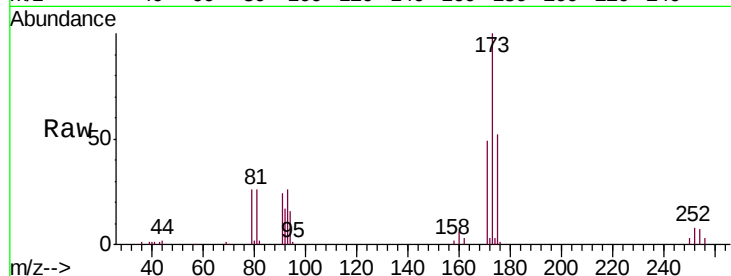
Tgt Ion:173 Resp: 20343

Ion Ratio Lower Upper

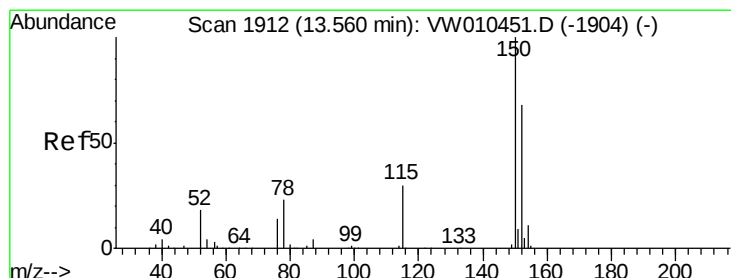
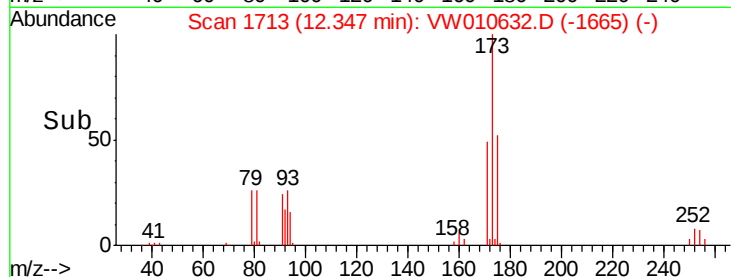
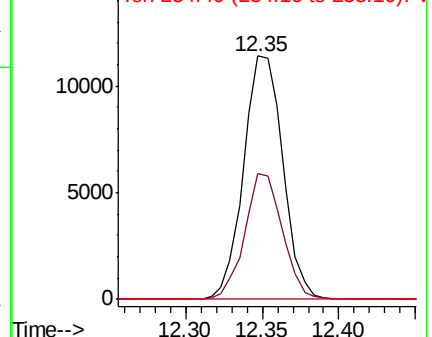
173 100

175 49.7 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: VW010632.D

Acq: 31 May 2019 13:10

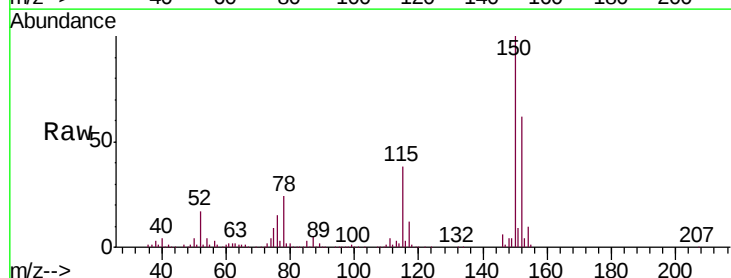
Tgt Ion:152 Resp: 130620

Ion Ratio Lower Upper

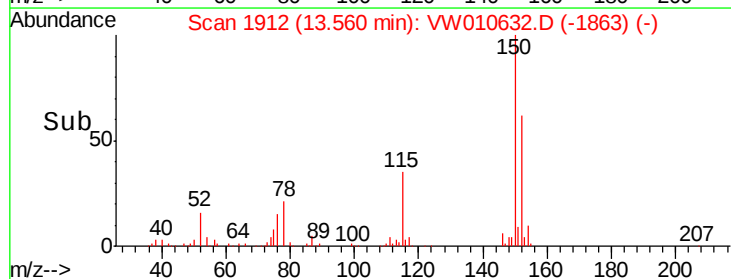
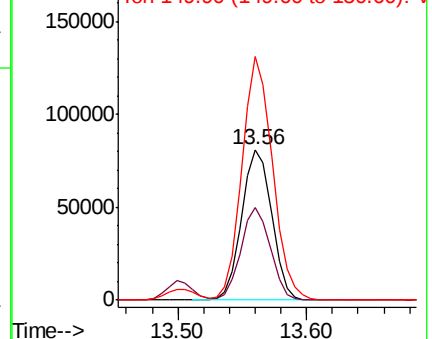
152 100

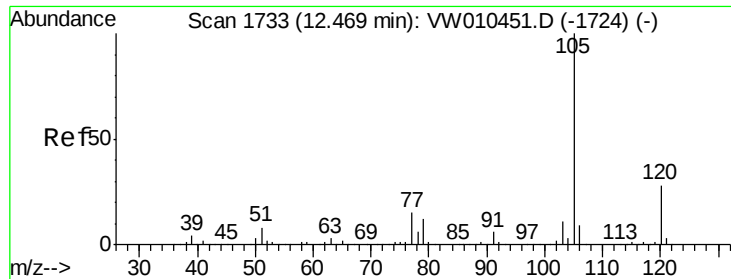
115 60.1 30.3 91.0

150 164.7 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: 20.198 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

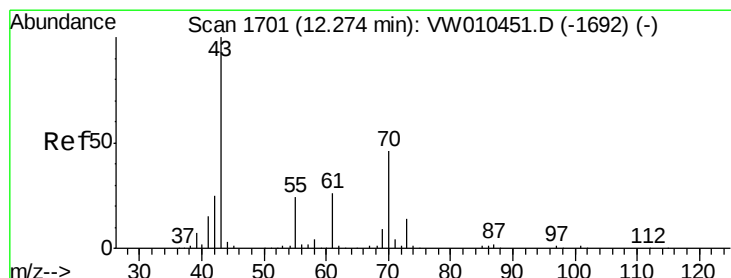
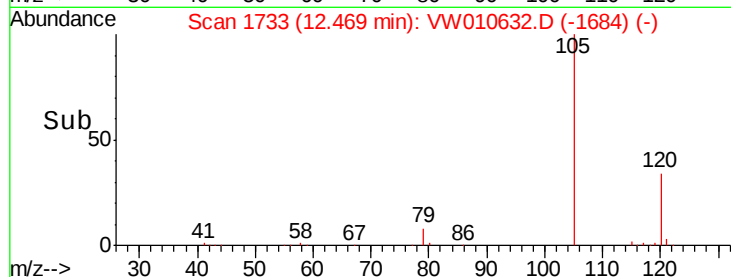
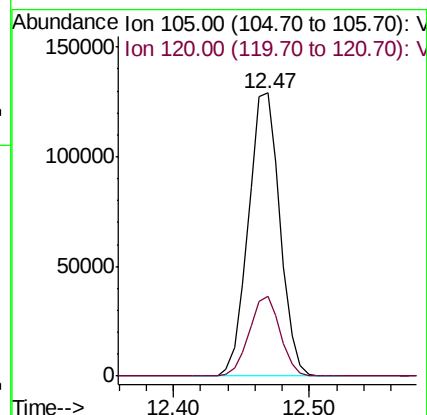
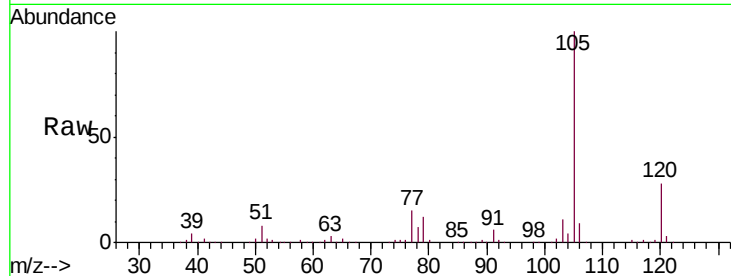
VW0531SBSD01

Tgt Ion:105 Resp: 209356

Ion Ratio Lower Upper

105 100

120 27.7 13.9 41.7



#74

N-ethyl acetate

Concen: 17.524 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Tgt Ion: 43 Resp: 41623

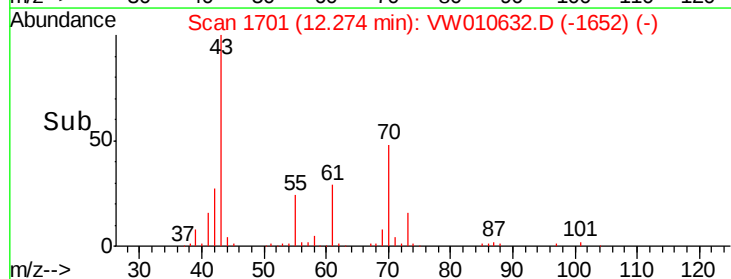
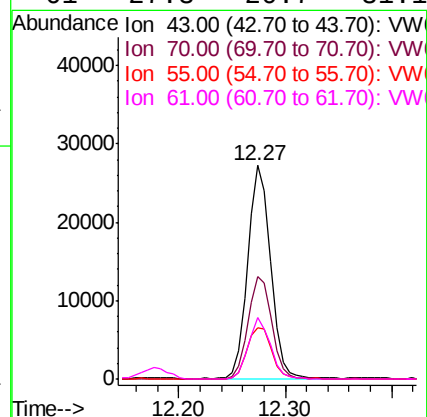
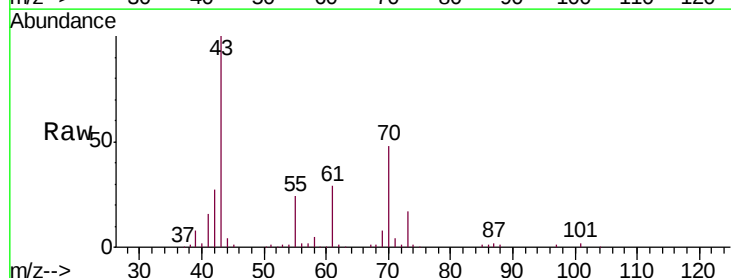
Ion Ratio Lower Upper

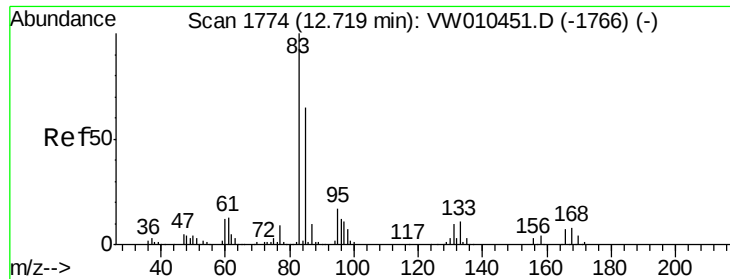
43 100

70 49.3 37.1 55.7

55 26.1 19.6 29.4

61 27.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.362 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBSD01

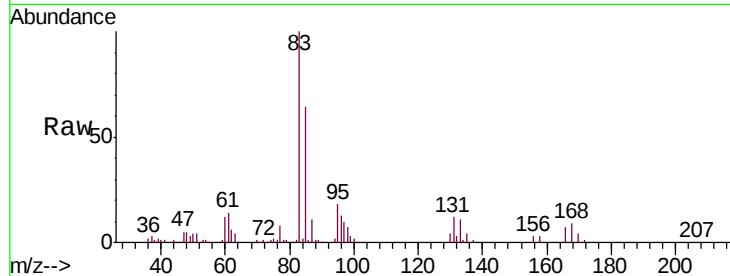
Tgt Ion: 83 Resp: 36502

Ion Ratio Lower Upper

83 100

131 11.8 5.6 16.8

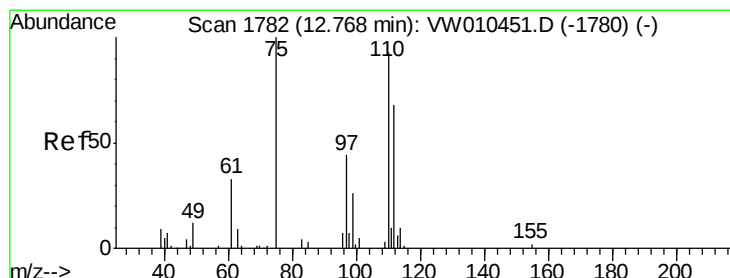
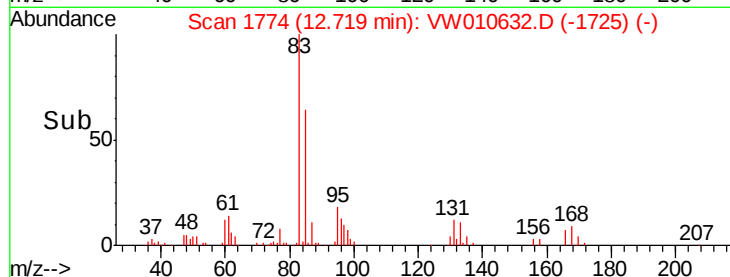
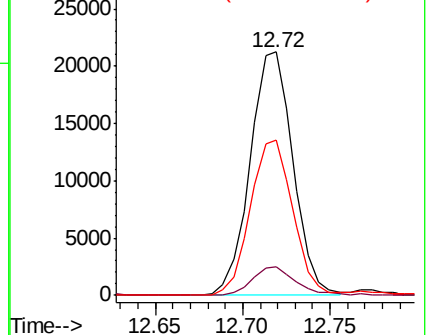
85 63.1 32.4 97.0



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: 34.892 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010632.D

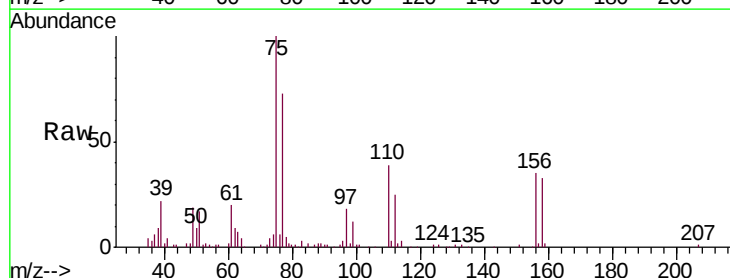
Acq: 31 May 2019 13:10

Tgt Ion: 75 Resp: 46263

Ion Ratio Lower Upper

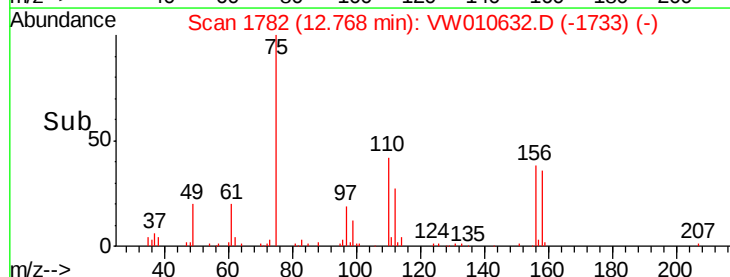
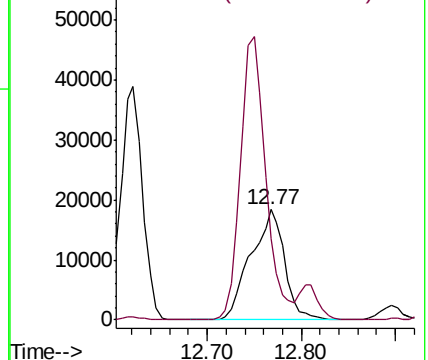
75 100

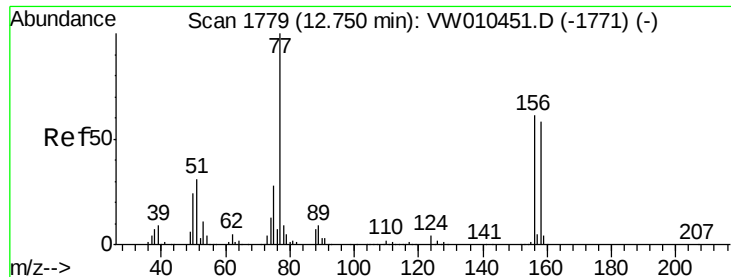
77 192.2 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.495 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBSD01

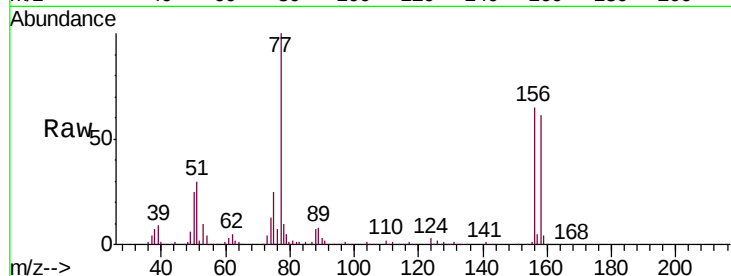
Tgt Ion:156 Resp: 49859

Ion Ratio Lower Upper

156 100

77 178.4 92.4 277.2

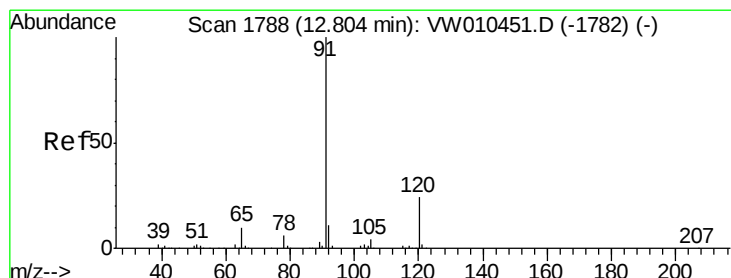
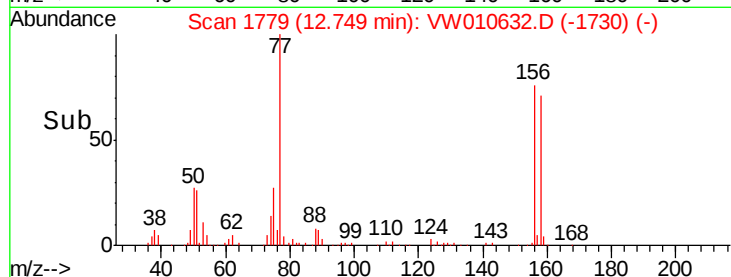
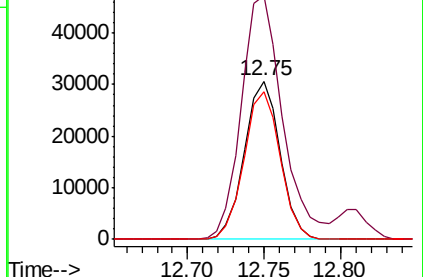
158 94.7 48.3 144.8



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: 19.838 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010632.D

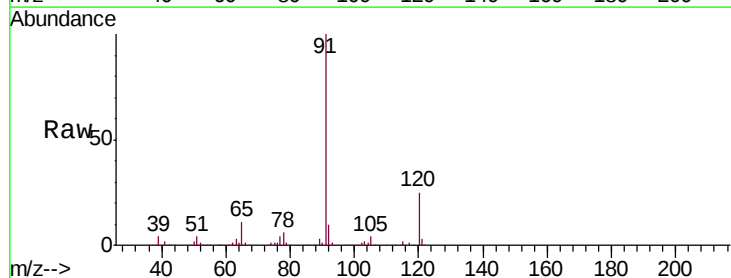
Acq: 31 May 2019 13:10

Tgt Ion: 91 Resp: 239632

Ion Ratio Lower Upper

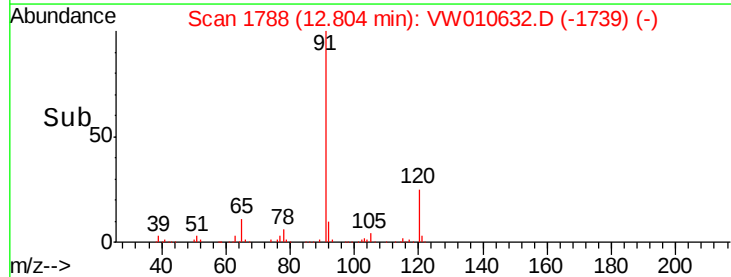
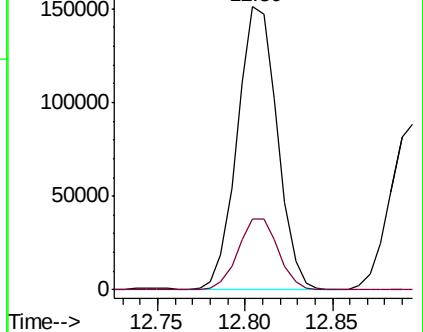
91 100

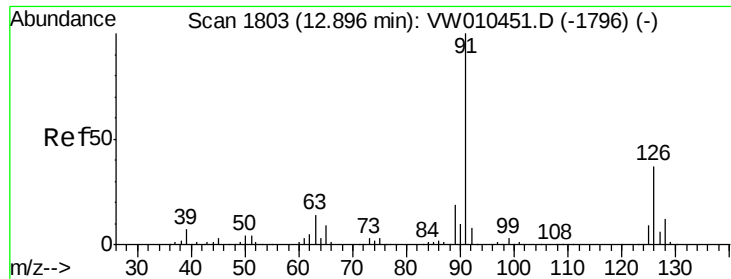
120 25.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.104 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

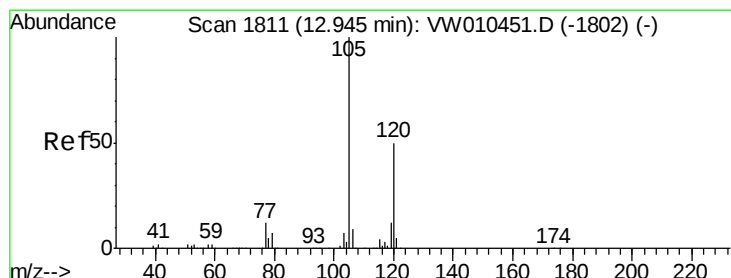
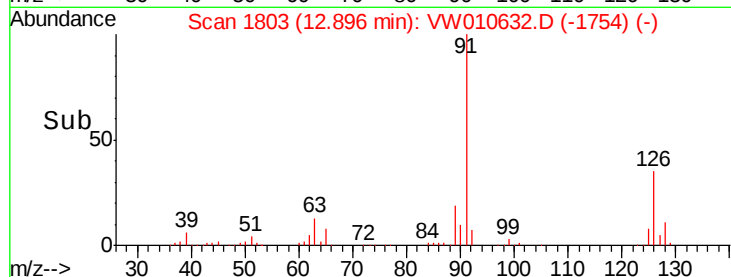
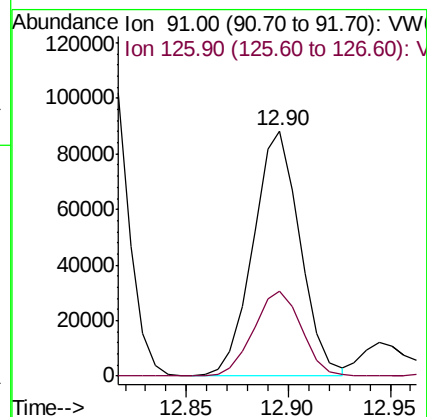
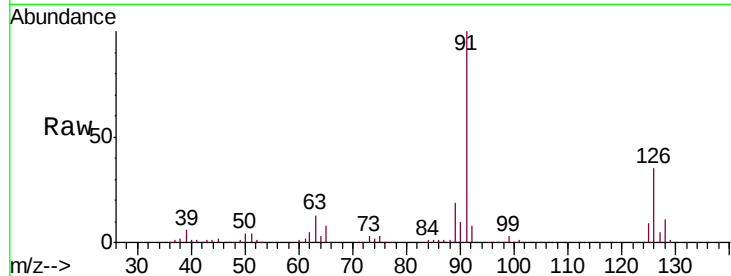
VW0531SBSD01

Tgt Ion: 91 Resp: 140832

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 19.994 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010632.D

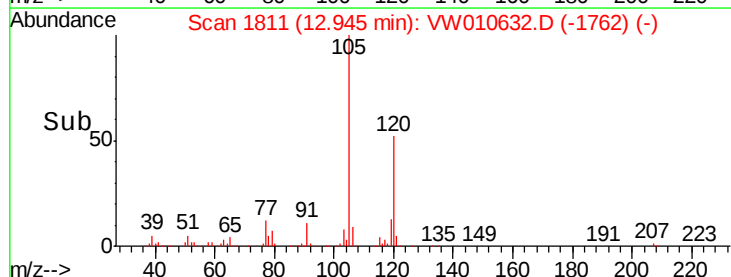
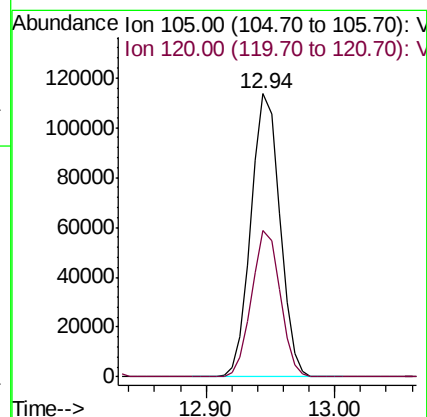
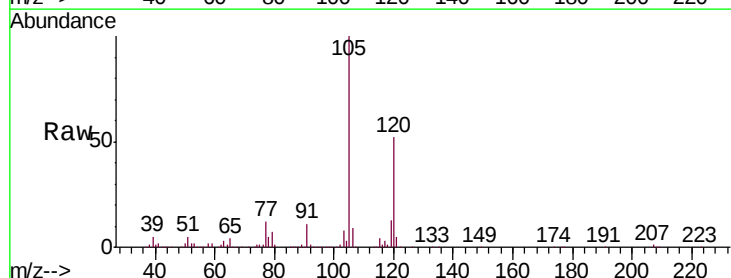
Acq: 31 May 2019 13:10

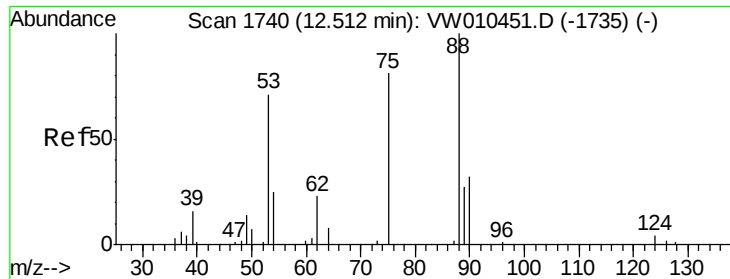
Tgt Ion: 105 Resp: 175520

Ion Ratio Lower Upper

105 100

120 51.1 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.000 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBSD01

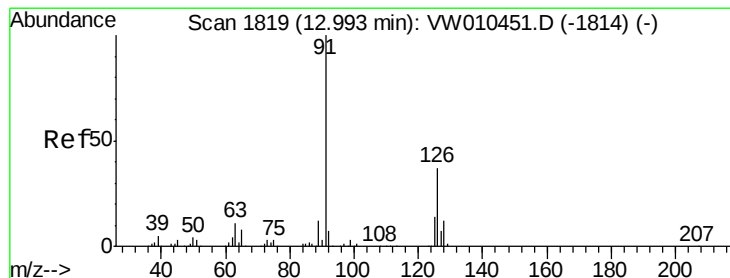
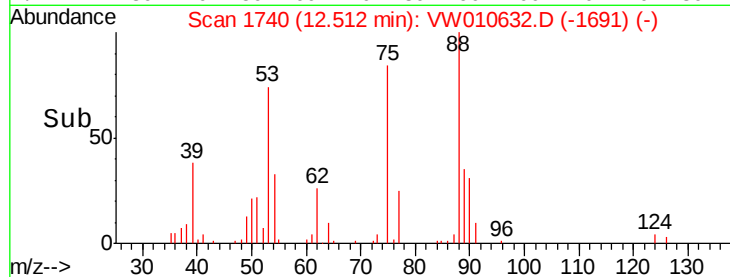
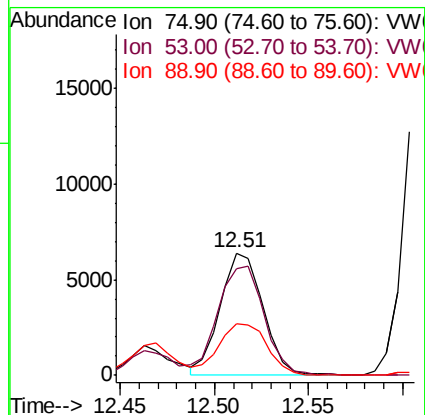
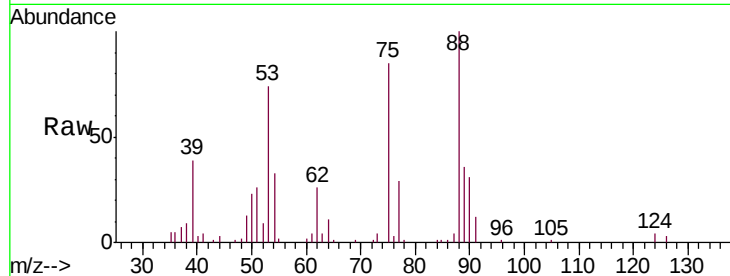
Tgt Ion: 75 Resp: 10165

Ion Ratio Lower Upper

75 100

53 97.6 69.8 104.8

89 47.3 39.5 59.3



#82

4-Chlorotoluene

Concen: 20.456 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010632.D

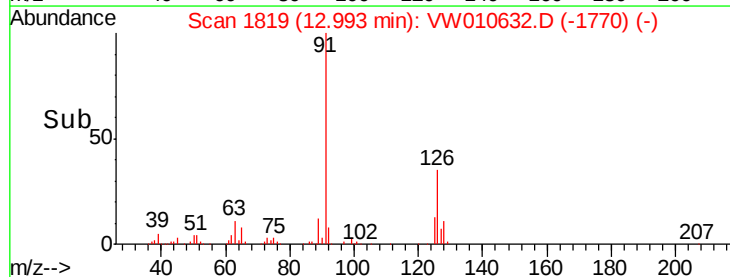
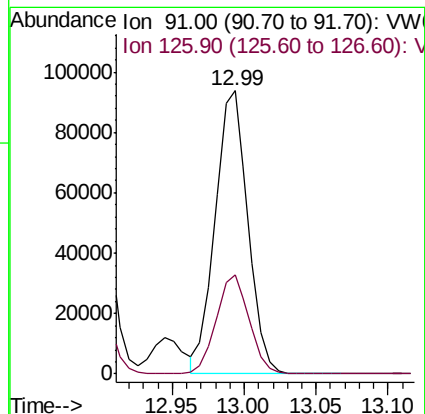
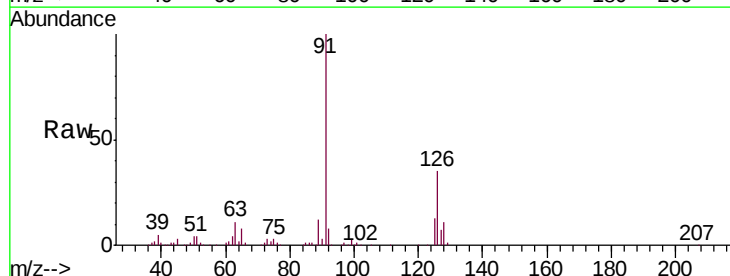
Acq: 31 May 2019 13:10

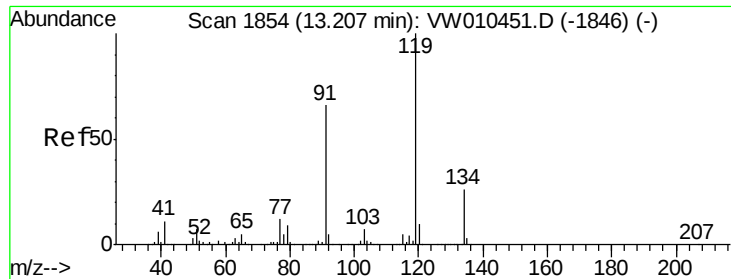
Tgt Ion: 91 Resp: 148736

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6

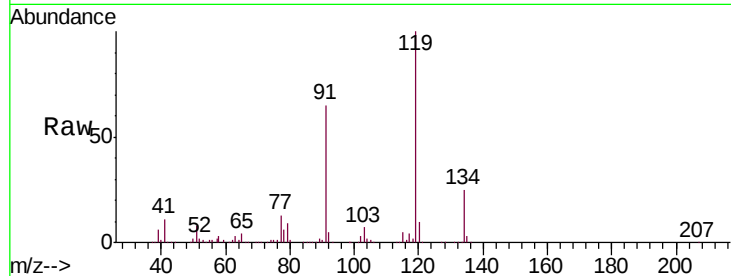




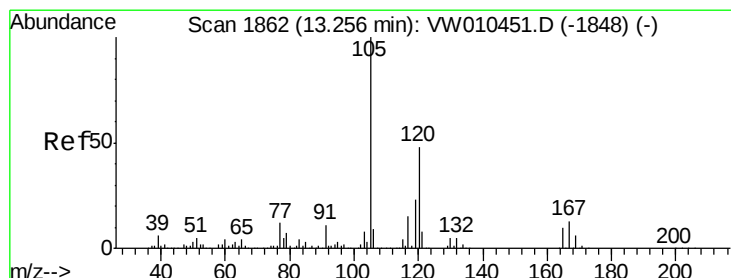
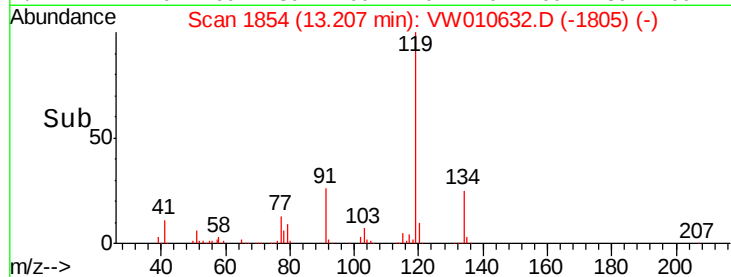
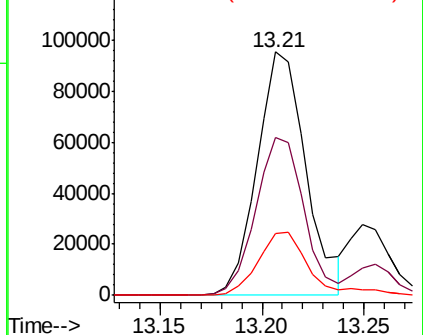
#83
 tert-Butylbenzene
 Concen: 20.740 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBSD01

Tgt Ion:119 Resp: 159036
 Ion Ratio Lower Upper
 119 100
 91 63.9 33.1 99.5
 134 27.3 13.9 41.6

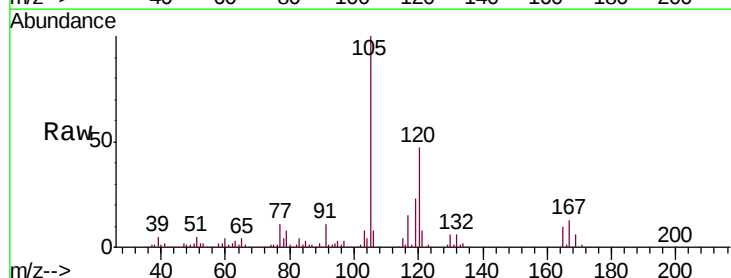


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VW
 Ion 134.00 (133.70 to 134.70): V

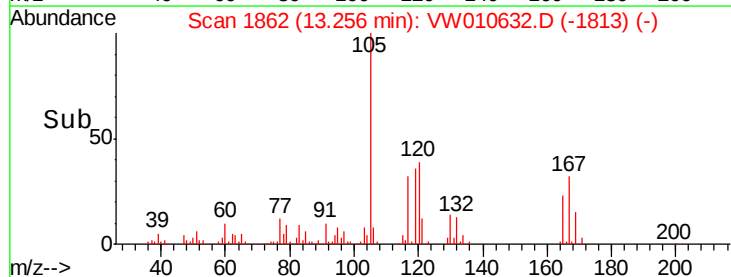
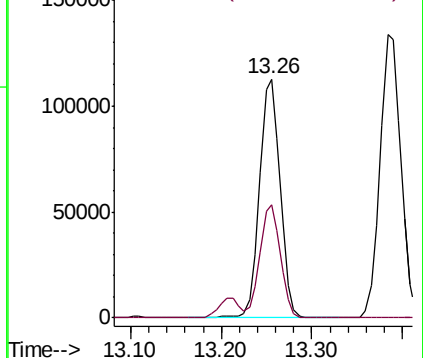


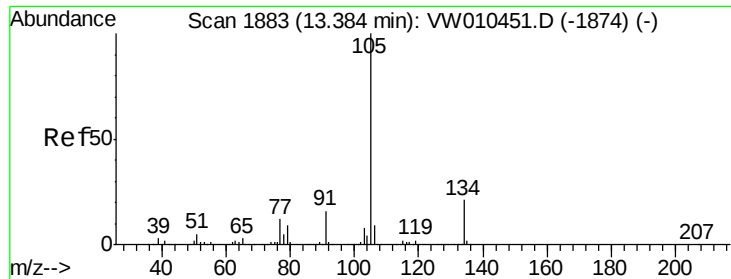
#84
 1,2,4-Trimethylbenzene
 Concen: 20.274 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion:105 Resp: 177265
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.2



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

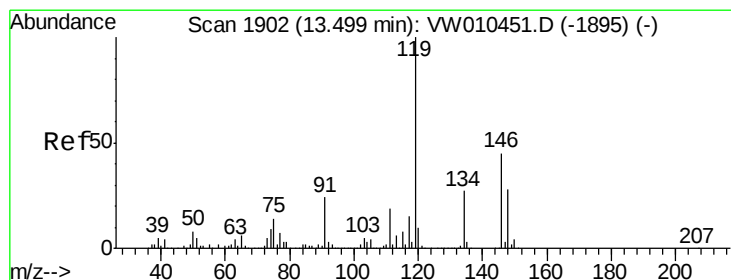
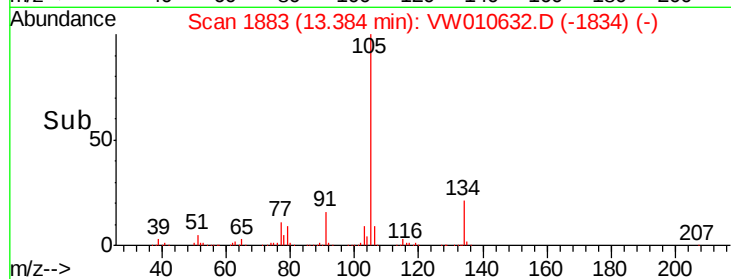
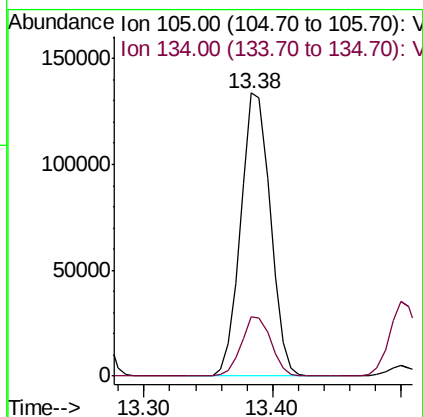
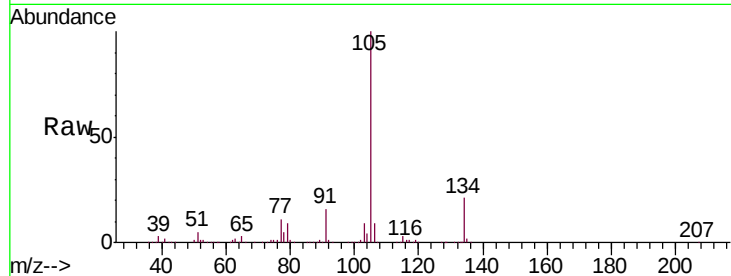




#85
 sec-Butylbenzene
 Concen: 19.771 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

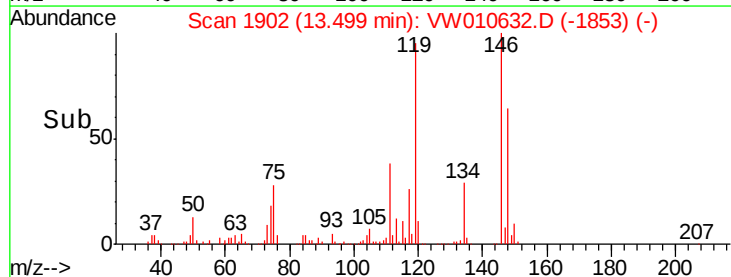
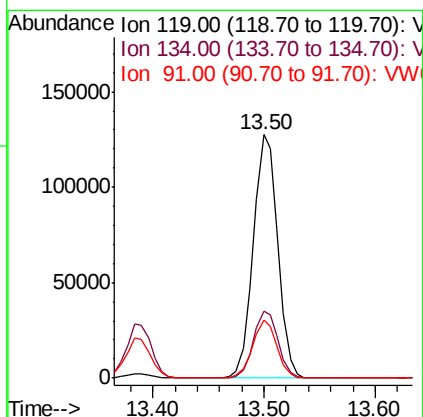
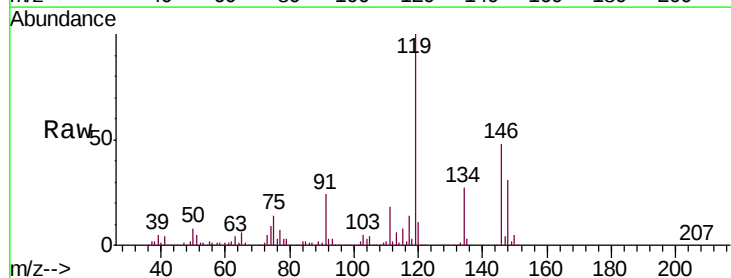
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBSD01

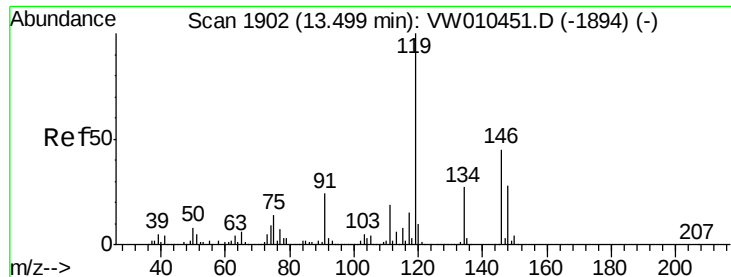
Tgt Ion:105 Resp: 212168
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 20.068 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion:119 Resp: 194926
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.6 40.7
 91 23.5 11.9 35.7

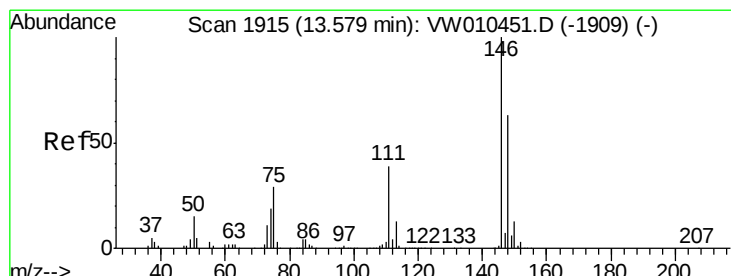
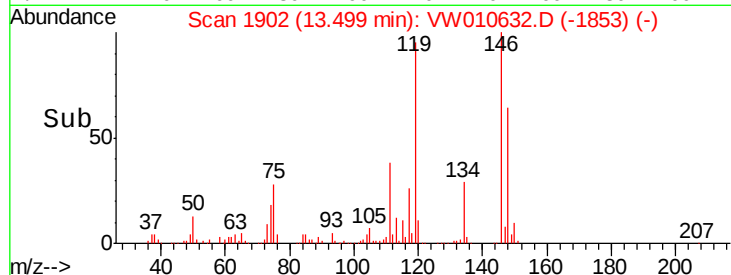
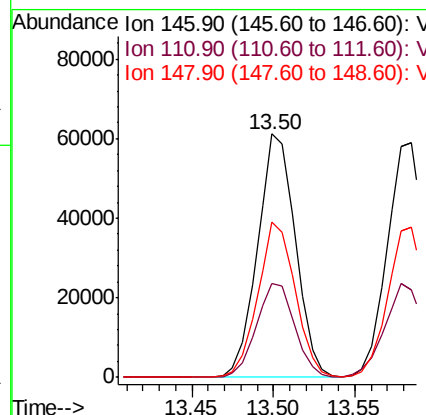
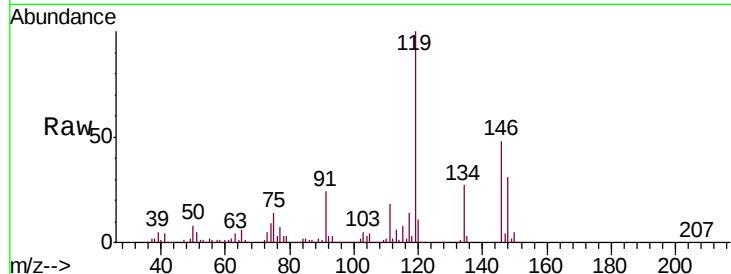




#87
 1,3-Dichlorobenzene
 Concen: 21.637 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

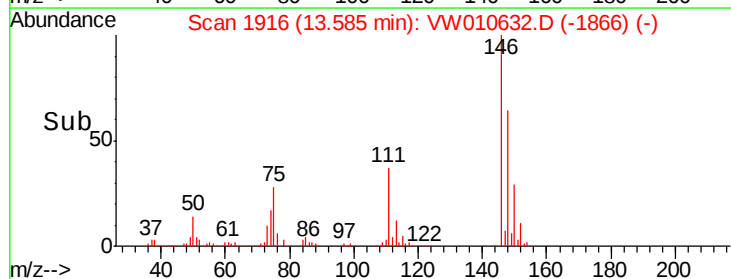
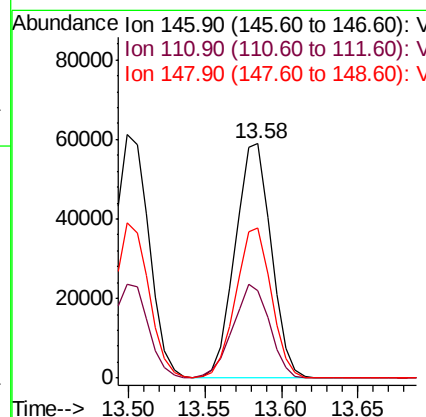
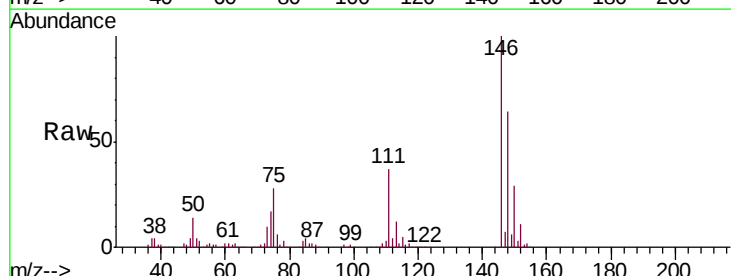
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBSD01

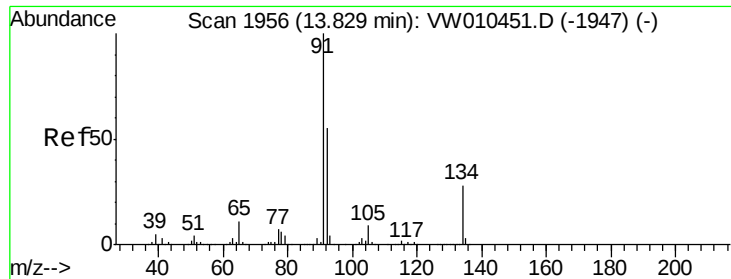
Tgt Ion:146 Resp: 98464
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.3 60.9
 148 63.1 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.096 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion:146 Resp: 96323
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.9 59.6
 148 63.5 31.6 94.8





#89

n-Butylbenzene

Concen: 19.532 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010632.D

Acq: 31 May 2019 13:10

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBSD01

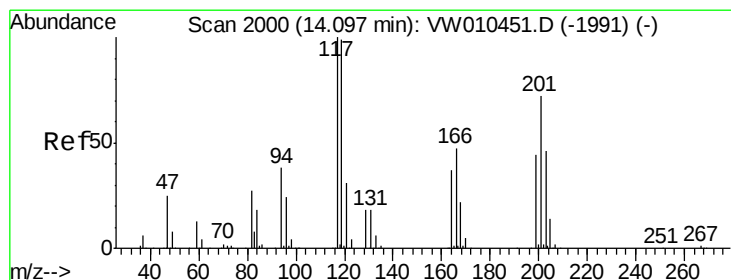
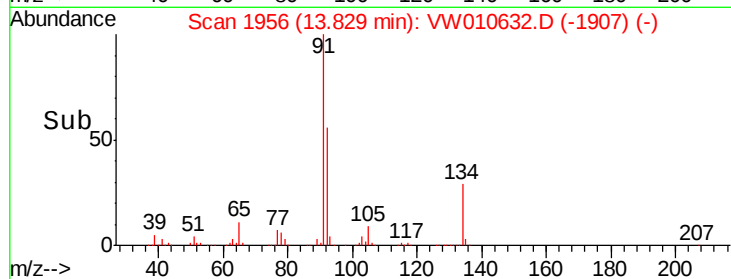
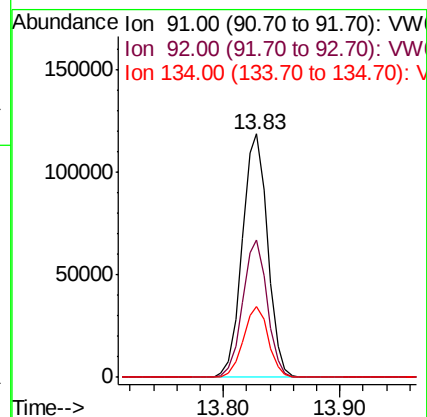
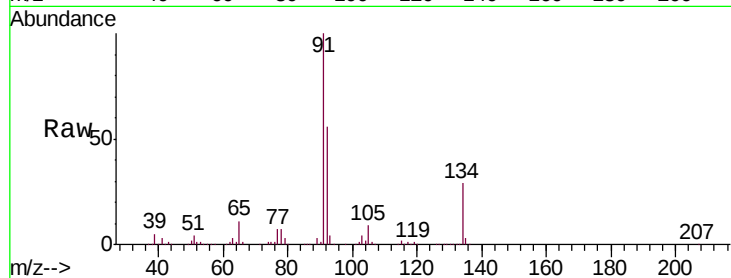
Tgt Ion: 91 Resp: 180455

Ion Ratio Lower Upper

91 100

92 54.7 27.7 83.1

134 28.7 13.9 41.6



#90

Hexachloroethane

Concen: 18.466 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010632.D

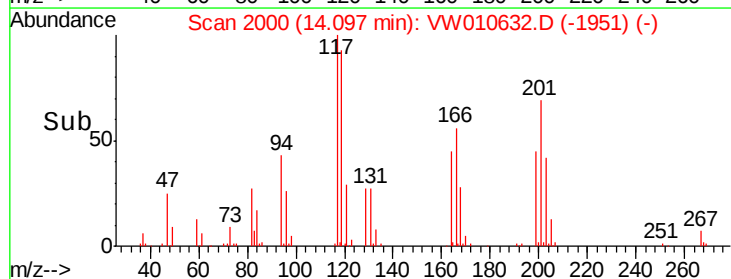
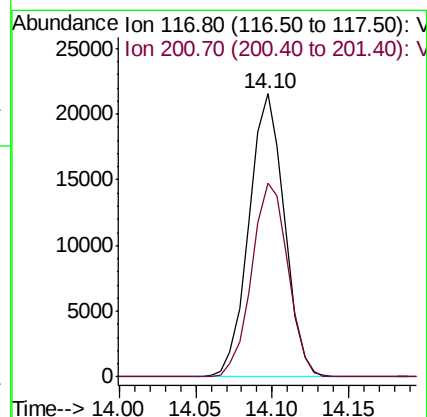
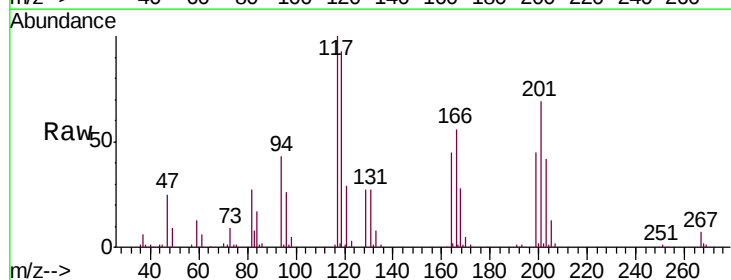
Acq: 31 May 2019 13:10

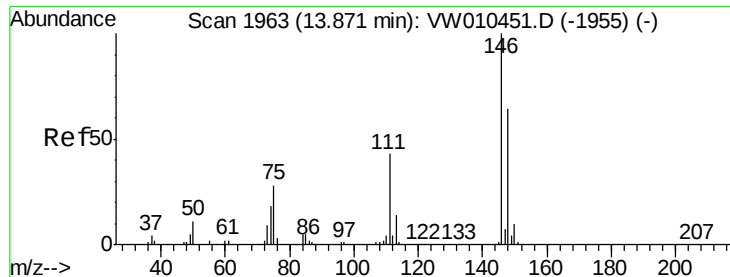
Tgt Ion: 117 Resp: 34718

Ion Ratio Lower Upper

117 100

201 70.4 34.6 103.8

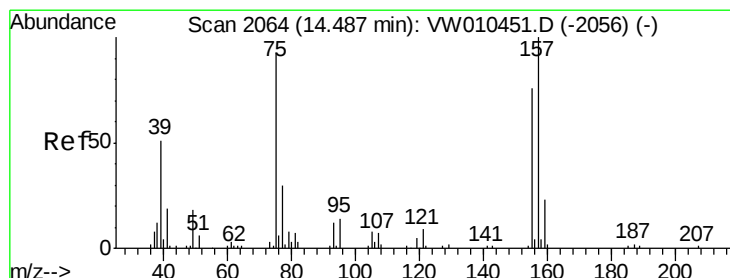
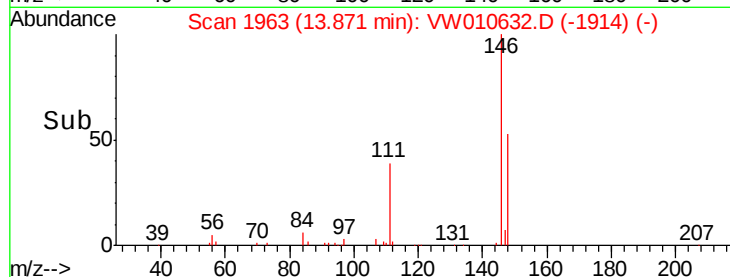
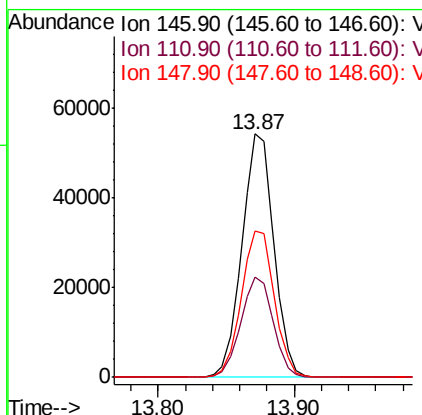
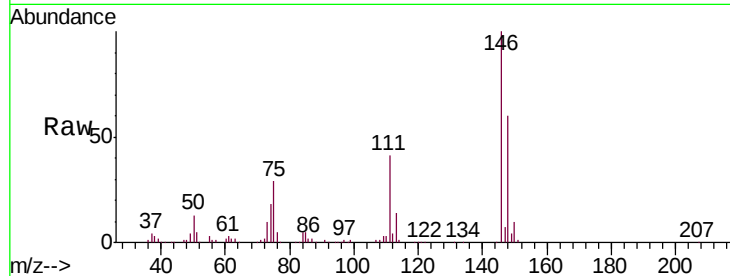




#91
 1,2-Dichlorobenzene
 Concen: 21.399 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

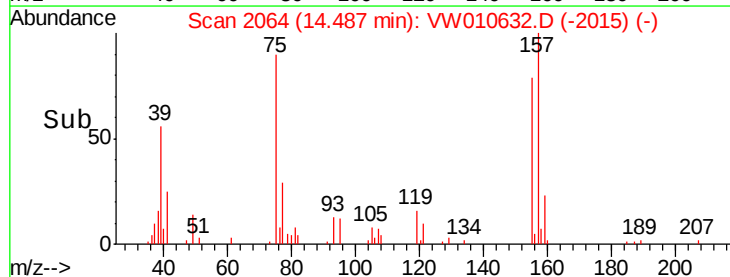
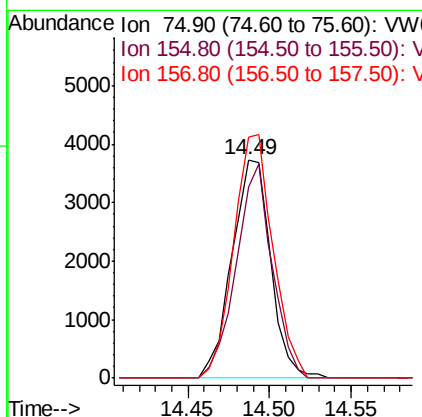
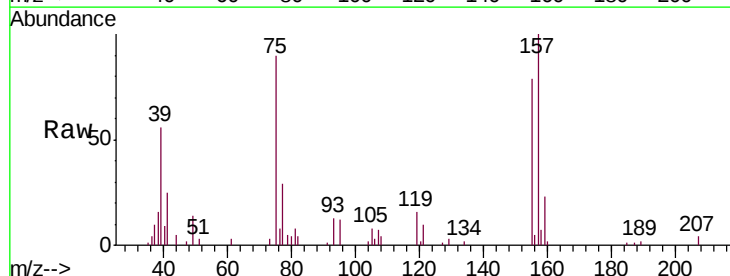
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBSD01

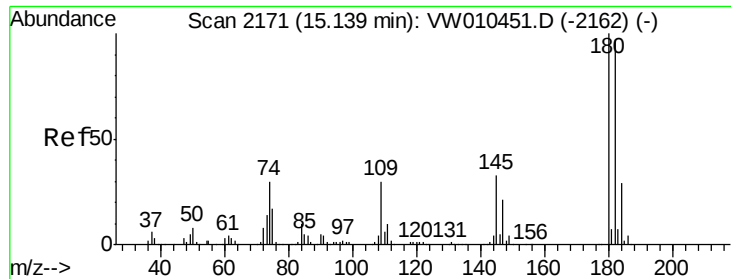
Tgt Ion:146 Resp: 88731
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.3 64.0
 148 62.0 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.612 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion: 75 Resp: 6174
 Ion Ratio Lower Upper
 75 100
 155 90.8 43.0 129.0
 157 113.1 55.7 167.1

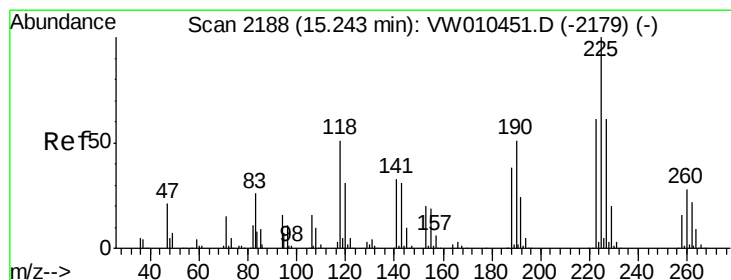
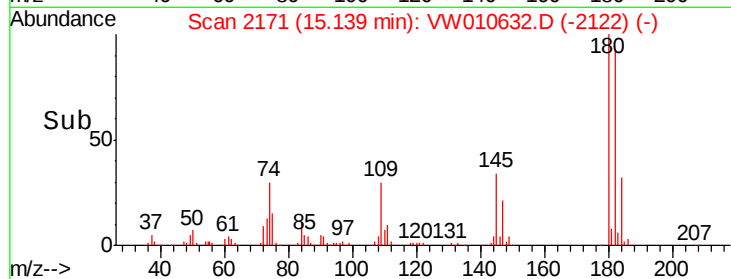
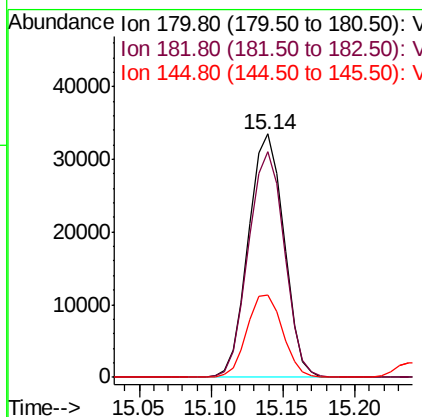
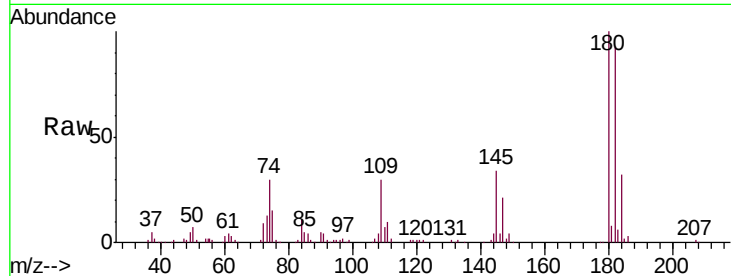




#93
 1,2,4-Trichlorobenzene
 Concen: 20.276 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

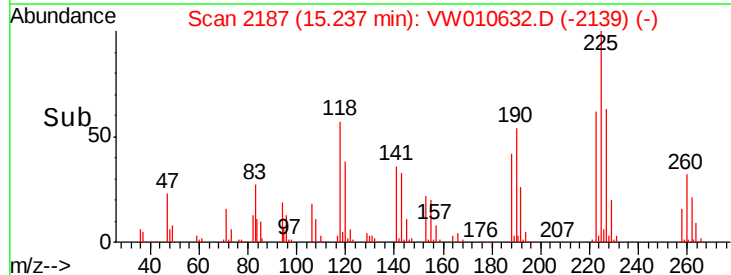
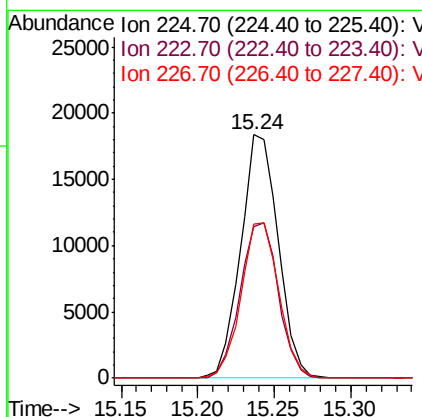
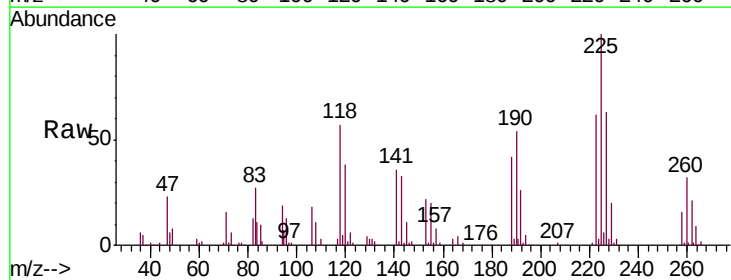
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBS01

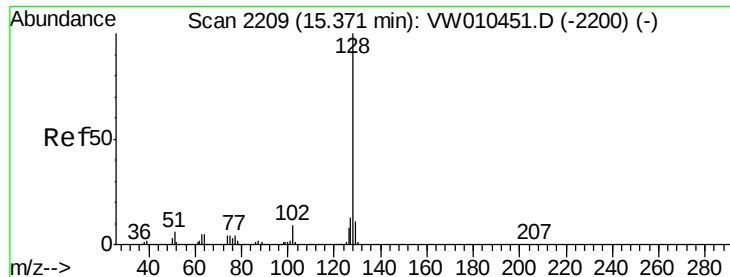
Tgt Ion:180 Resp: 57203
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.0 141.2
 145 34.1 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 20.728 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010632.D
 Acq: 31 May 2019 13:10

Tgt Ion:225 Resp: 31241
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.1 93.2
 227 64.5 31.1 93.5

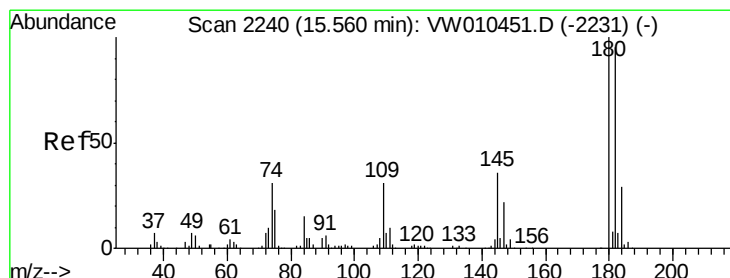
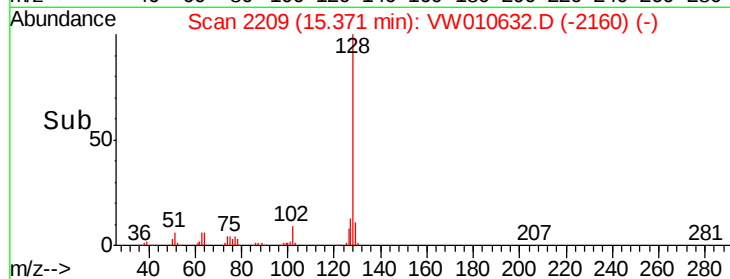
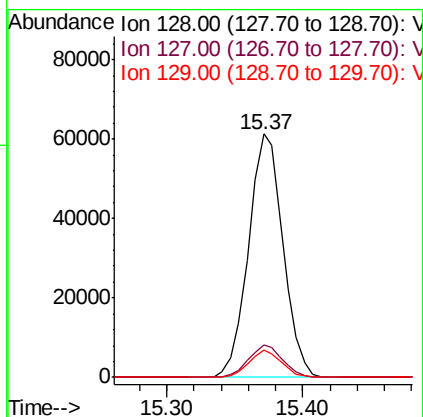
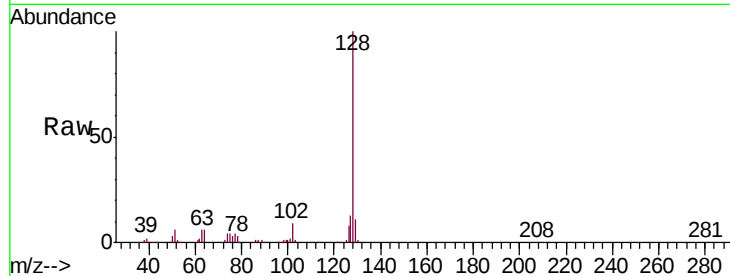




#95
Naphthalene
Concen: 18.417 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBSD01

Tgt Ion:128 Resp: 109068
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.827 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010632.D
Acq: 31 May 2019 13:10

Tgt Ion:180 Resp: 50560
Ion Ratio Lower Upper
180 100
182 92.7 47.1 141.3
145 35.1 17.4 52.3

