

Data File : VW010481.D
Acq On : 21 May 2019 12:25
Operator : SY/VA
Sample : VW0521SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Quant Time: May 22 06:41:10 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	146196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	258588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	230797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	81290	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	7.88	113	83861	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
50) Toluene-d8	10.32	98	322290	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.62	95	123363	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21747	16.510	ug/l	99
3) Chloromethane	2.21	50	26447	17.218	ug/l	99
4) Vinyl Chloride	2.36	62	29999	16.861	ug/l	100
5) Bromomethane	2.75	94	22508	18.389	ug/l	100
6) Chloroethane	2.90	64	20216	17.700	ug/l	97
7) Trichlorofluoromethane	3.25	101	52098	19.833	ug/l	95
8) Diethyl Ether	3.68	74	16727	20.088	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33236	20.545	ug/l	100
10) Methyl Iodide	4.26	142	31439	17.003	ug/l	99
11) Tert butyl alcohol	5.18	59	11327	83.451	ug/l	97
12) 1,1-Dichloroethene	4.03	96	30788	19.938	ug/l	96
13) Acrolein	3.90	56	10500	121.271	ug/l	98
14) Allyl chloride	4.67	41	43827	19.607	ug/l	99
15) Acrylonitrile	5.37	53	32331	92.712	ug/l	100
16) Acetone	4.13	43	25689	83.401	ug/l	96
17) Carbon Disulfide	4.38	76	85912	18.652	ug/l	100
18) Methyl Acetate	4.67	43	14890	19.766	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	78732	19.999	ug/l	99
20) Methylene Chloride	4.92	84	32177	14.170	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	35399	19.985	ug/l	97
22) Diisopropyl ether	6.31	45	91052	19.866	ug/l	98
23) Vinyl Acetate	6.26	43	268665	98.132	ug/l	99
24) 1,1-Dichloroethane	6.21	63	56565	20.681	ug/l	99
25) 2-Butanone	7.17	43	41412	93.947	ug/l	97
26) 2,2-Dichloropropane	7.17	77	53328	20.469	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	39409	20.465	ug/l	99
28) Bromochloromethane	7.51	49	20775	21.215	ug/l	99
29) Tetrahydrofuran	7.53	42	27138	90.981	ug/l	99
30) Chloroform	7.68	83	61156	20.730	ug/l	99
31) Cyclohexane	7.95	56	55638	19.420	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	57484	20.386	ug/l	98
36) 1,1-Dichloropropene	8.08	75	47982	19.919	ug/l	99
37) Ethyl Acetate	7.26	43	18835	18.387	ug/l	98
38) Carbon Tetrachloride	8.07	117	51435	19.794	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63894	19.798	ug/l	98
40) Benzene	8.32	78	134992	20.162	ug/l	99
41) Methacrylonitrile	7.48	41	12033	19.770	ug/l	93
42) 1,2-Dichloroethane	8.40	62	38388	20.061	ug/l	99
43) Isopropyl Acetate	8.43	43	38431	18.779	ug/l	99
44) Trichloroethene	9.09	130	39731	19.988	ug/l	99
45) 1,2-Dichloropropane	9.37	63	32212	20.257	ug/l	97
46) Dibromomethane	9.46	93	18467	19.858	ug/l	98
47) Bromodichloromethane	9.65	83	47005	20.114	ug/l	99
48) Methyl methacrylate	9.44	41	18317	19.565	ug/l	95
49) 1,4-Dioxane	9.45	88	4964	326.769	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	95181	91.786	ug/l	100
52) Toluene	10.39	92	91273	20.299	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	46083	19.471	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	54113	20.020	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	26895	20.112	ug/l	92
56) Ethyl methacrylate	10.65	69	34799	18.868	ug/l	99
57) 1,3-Dichloropropane	10.93	76	44799	19.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	81741	100.063	ug/l	99
59) 2-Hexanone	10.97	43	65397	88.406	ug/l	99
60) Dibromochloromethane	11.13	129	32604	19.265	ug/l	99
61) 1,2-Dibromoethane	11.24	107	26621	19.652	ug/l	99
64) Tetrachloroethene	10.86	164	31718	19.714	ug/l	99
65) Chlorobenzene	11.66	112	98653	20.056	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	35664	20.240	ug/l	99
67) Ethyl Benzene	11.73	91	174075	20.045	ug/l	100
68) m/p-Xylenes	11.84	106	136455	40.060	ug/l	100
69) o-Xylene	12.16	106	65240	20.215	ug/l	100
70) Styrene	12.18	104	110445	20.170	ug/l	100
71) Bromoform	12.35	173	17624	18.163	ug/l #	100
73) Isopropylbenzene	12.46	105	175060	20.352	ug/l	100
74) N-amyl acetate	12.27	43	35360	17.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	29988	19.168	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38860	35.318	ug/l #	1
77) Bromobenzene	12.75	156	39129	20.328	ug/l	98
78) n-propylbenzene	12.80	91	202639	20.215	ug/l	100
79) 2-Chlorotoluene	12.89	91	117941	20.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	148142	20.335	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	9546	18.107	ug/l	96
82) 4-Chlorotoluene	12.99	91	122879	20.365	ug/l	99
83) tert-Butylbenzene	13.21	119	128331	20.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	146224	20.153	ug/l	100
85) sec-Butylbenzene	13.38	105	176430	19.812	ug/l	99
86) p-Isopropyltoluene	13.50	119	159263	19.759	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	75424	19.972	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	75134	19.830	ug/l	98
89) n-Butylbenzene	13.83	91	150418	19.619	ug/l	100
90) Hexachloroethane	14.10	117	31040	19.895	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	68569	19.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4953	17.026	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW052119\
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	42830	18.294	ug/l	97
94) Hexachlorobutadiene	15.24	225	23215	18.561	ug/l	100
95) Naphthalene	15.37	128	87785	17.863	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	37282	18.507	ug/l	99

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

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Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

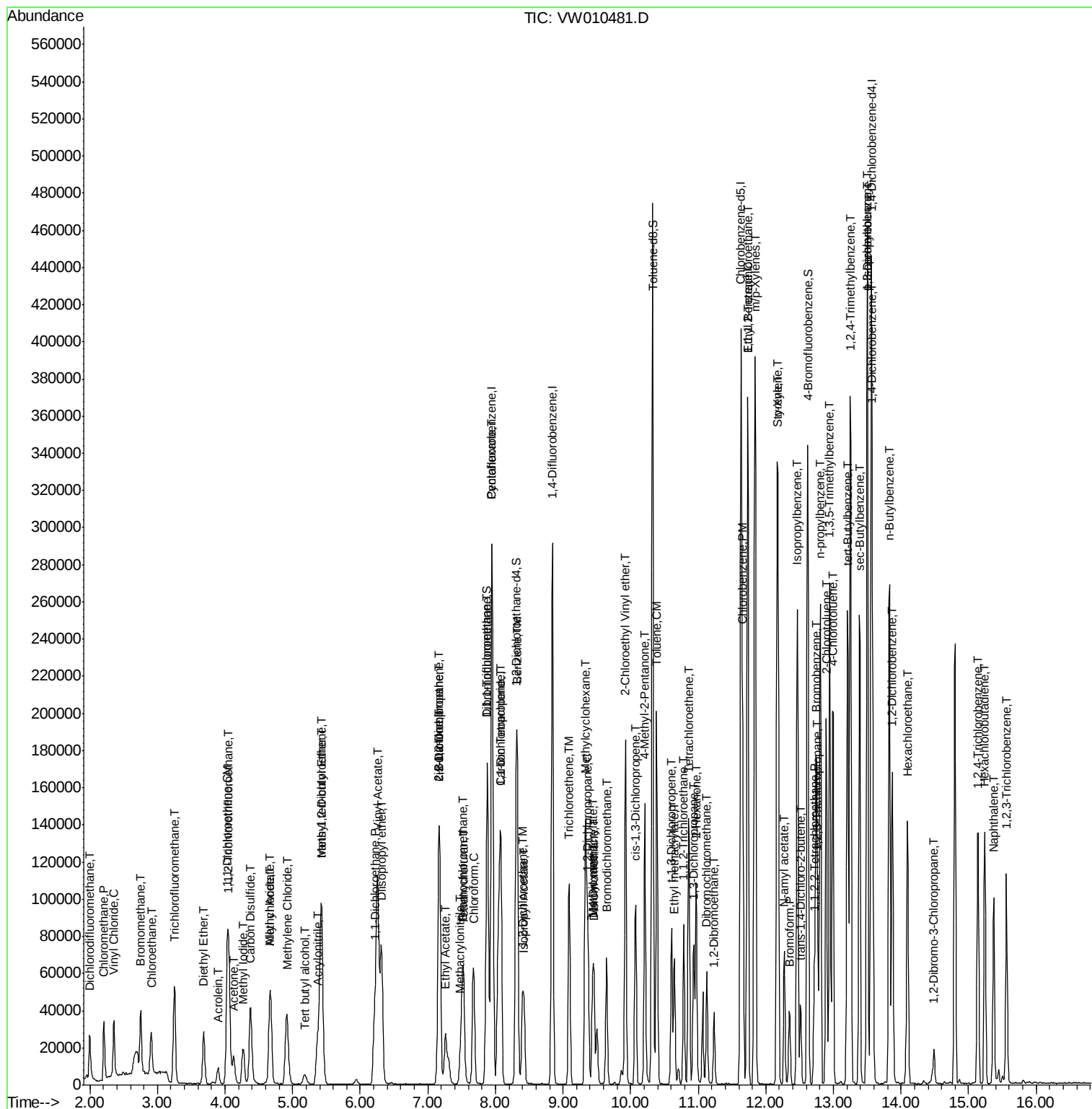
Quant Time: May 22 06:41:10 2019

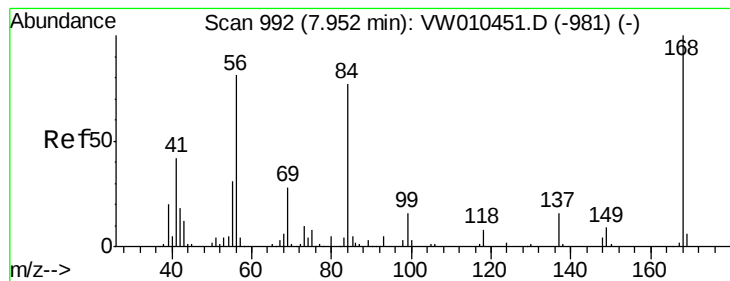
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W052019S.M

Quant Title : SW846 8260

QLast Update : Tue May 21 06:38:43 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

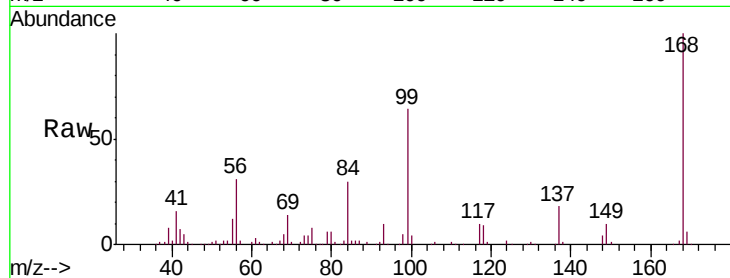
VW0521SBSD01

Tgt Ion:168 Resp: 146196

Ion Ratio Lower Upper

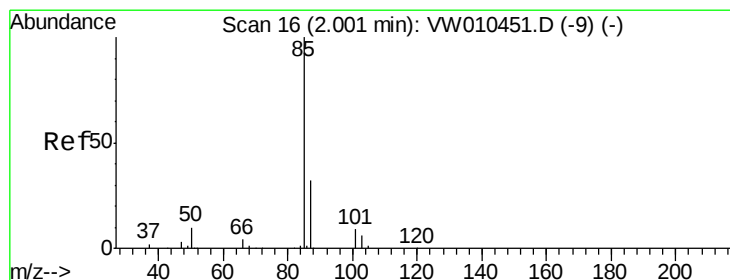
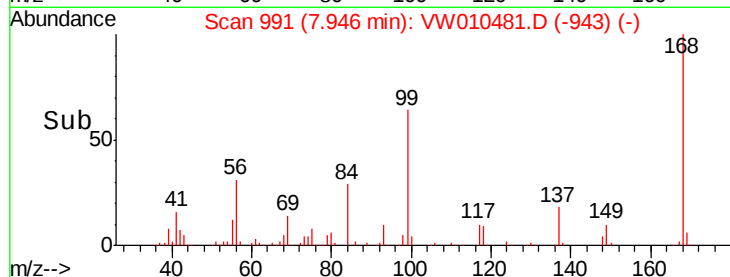
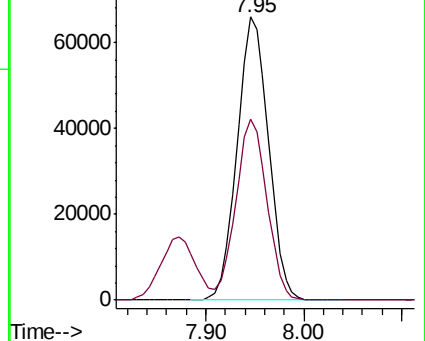
168 100

99 64.1 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: 16.510 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010481.D

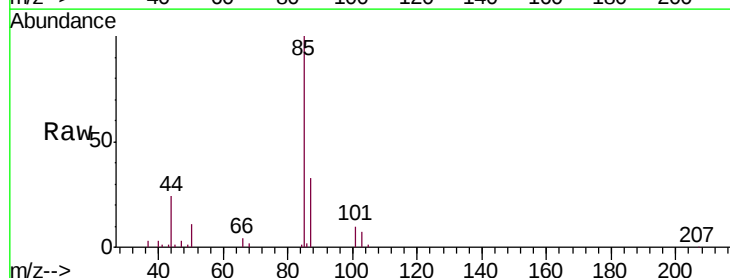
Acq: 21 May 2019 12:25

Tgt Ion: 85 Resp: 21747

Ion Ratio Lower Upper

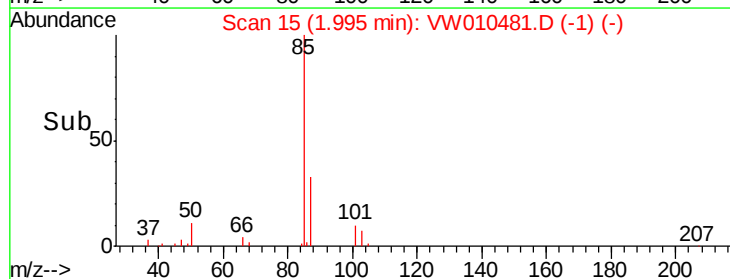
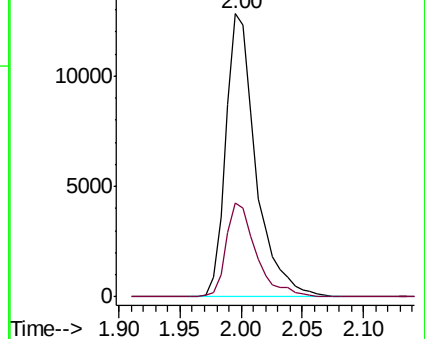
85 100

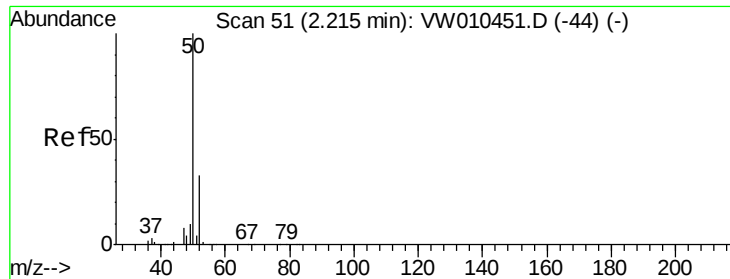
87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.218 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

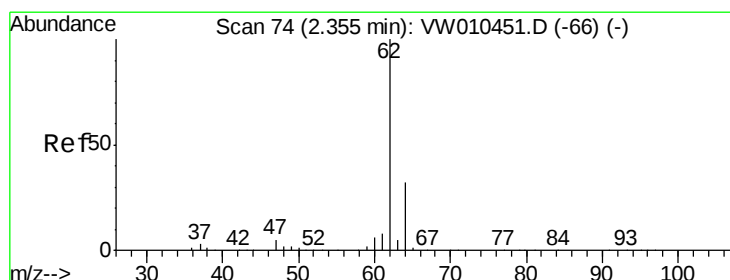
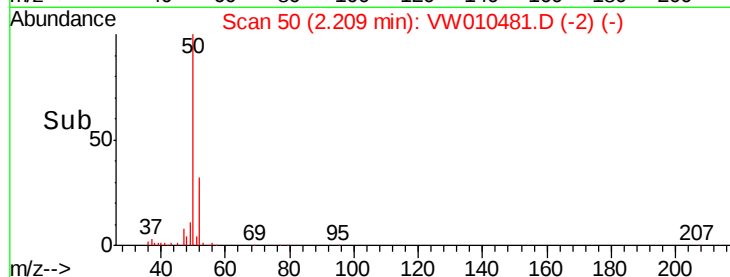
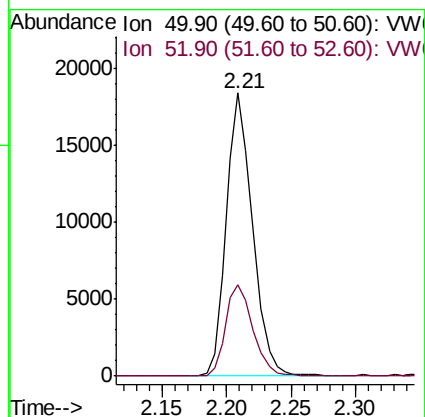
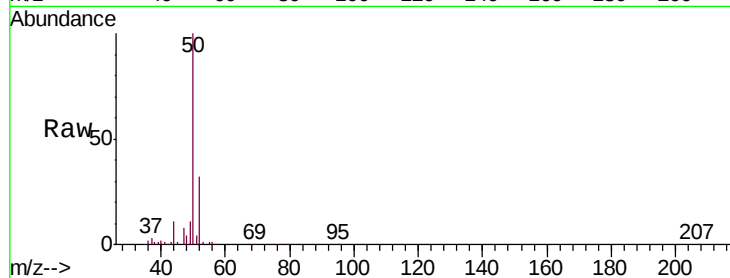
VW0521SBSD01

Tgt Ion: 50 Resp: 26447

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 16.861 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010481.D

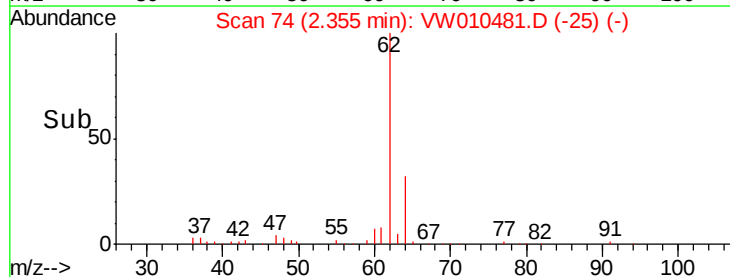
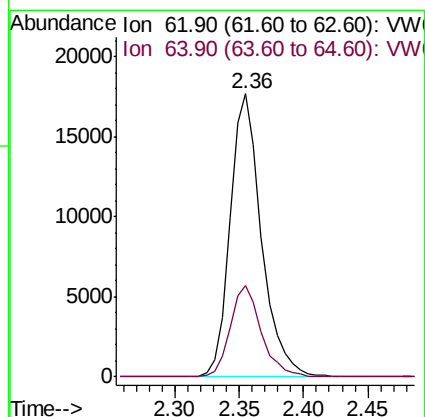
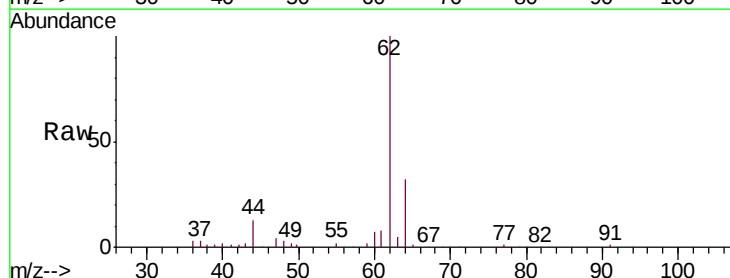
Acq: 21 May 2019 12:25

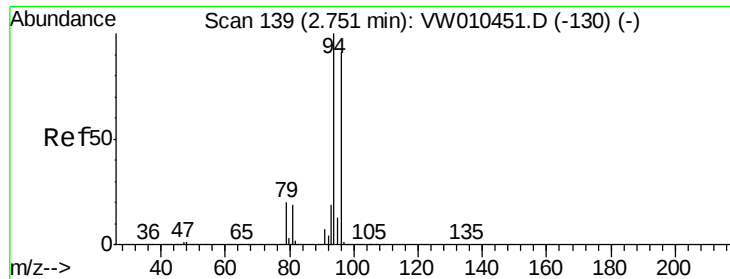
Tgt Ion: 62 Resp: 29999

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 18.389 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

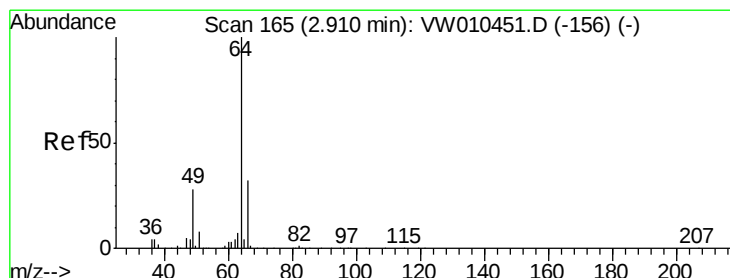
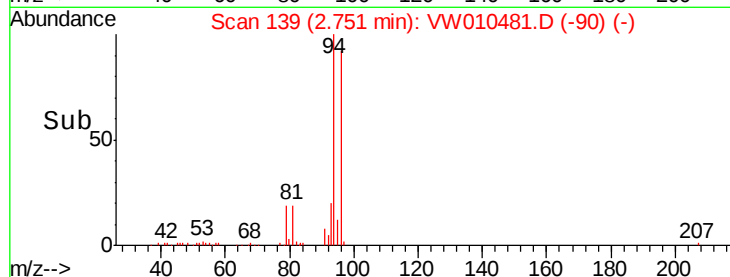
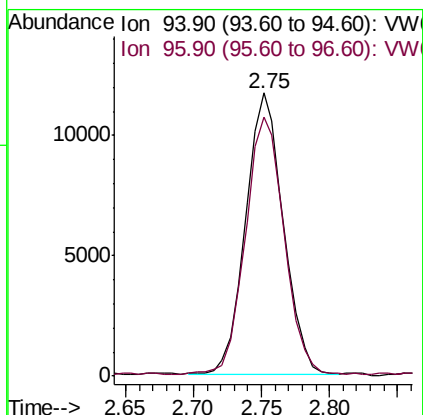
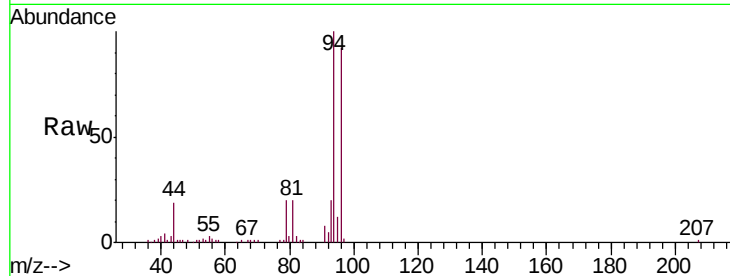
VW0521SBSD01

Tgt Ion: 94 Resp: 22508

Ion Ratio Lower Upper

94 100

96 91.4 72.9 109.3



#6

Chloroethane

Concen: 17.700 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010481.D

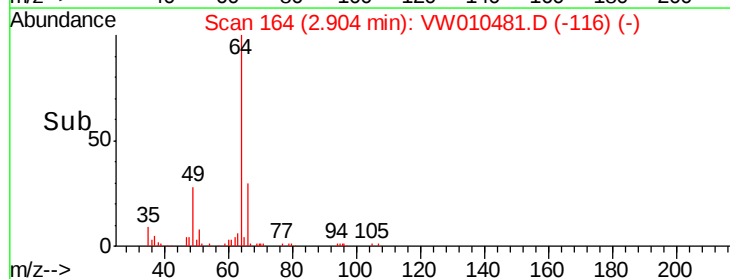
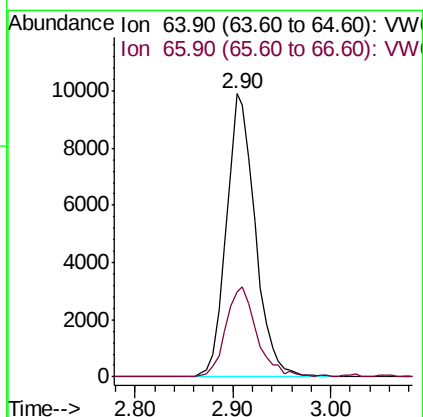
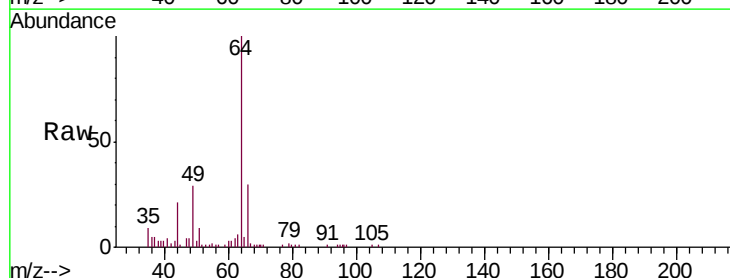
Acq: 21 May 2019 12:25

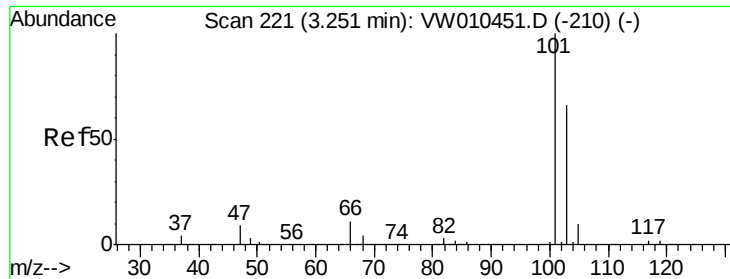
Tgt Ion: 64 Resp: 20216

Ion Ratio Lower Upper

64 100

66 30.1 25.5 38.3



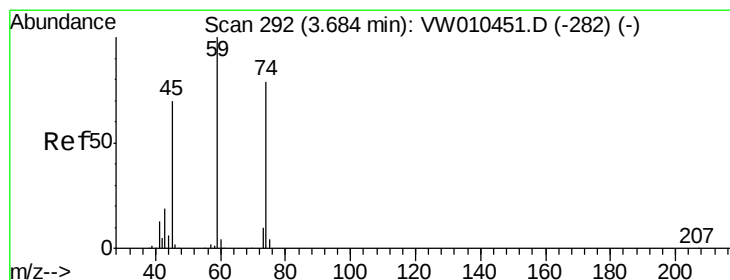
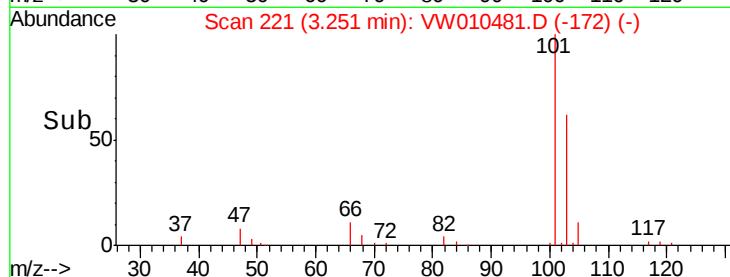
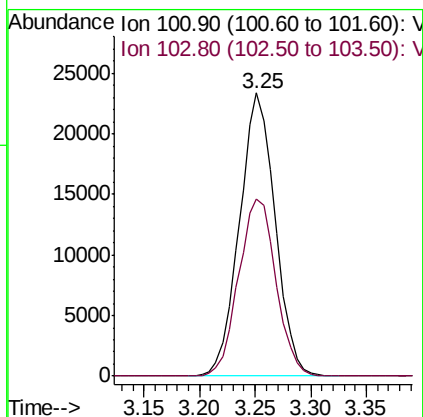
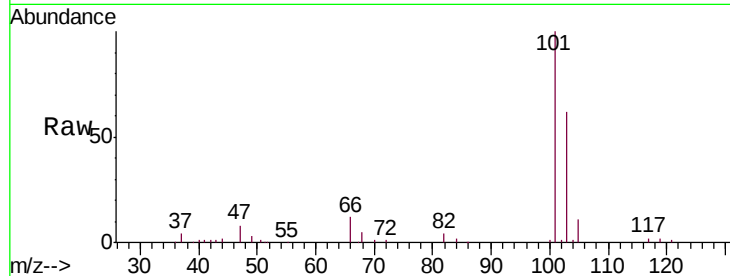


#7

Trichlorofluoromethane
 Concen: 19.833 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
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 VW0521SBSD01

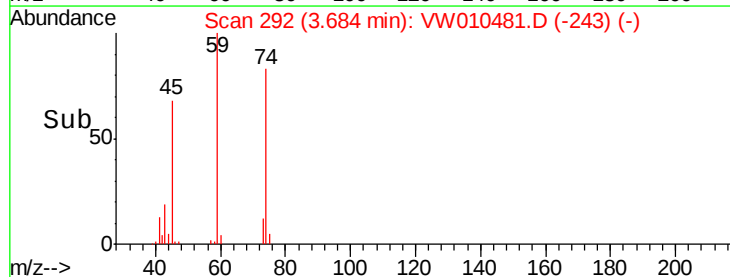
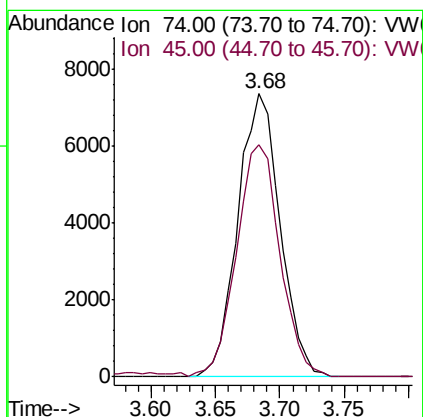
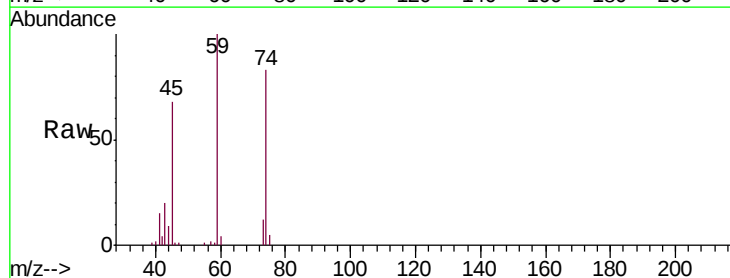
Tgt Ion:101 Resp: 52098
 Ion Ratio Lower Upper
 101 100
 103 62.4 53.0 79.4

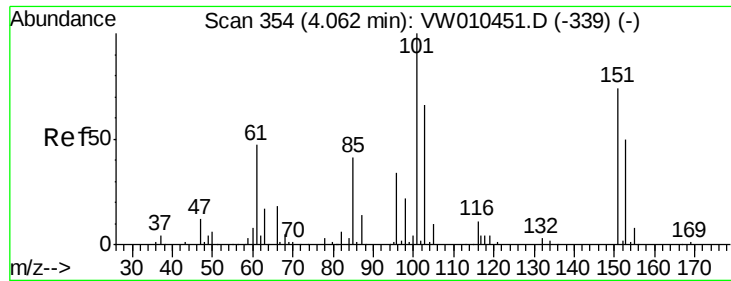


#8

Diethyl Ether
 Concen: 20.088 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 74 Resp: 16727
 Ion Ratio Lower Upper
 74 100
 45 84.3 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.545 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010481.D

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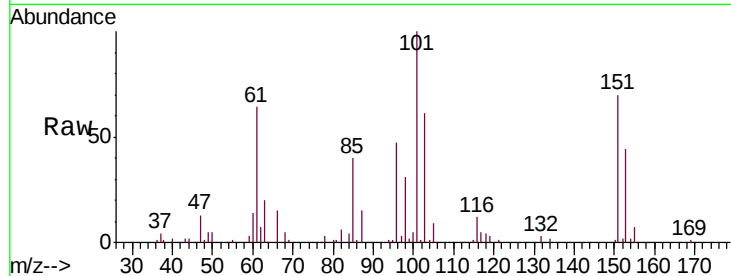
Tgt Ion:101 Resp: 33236

Ion Ratio Lower Upper

101 100

85 42.5 34.3 51.5

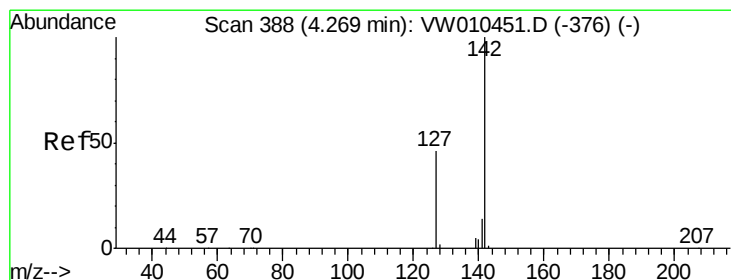
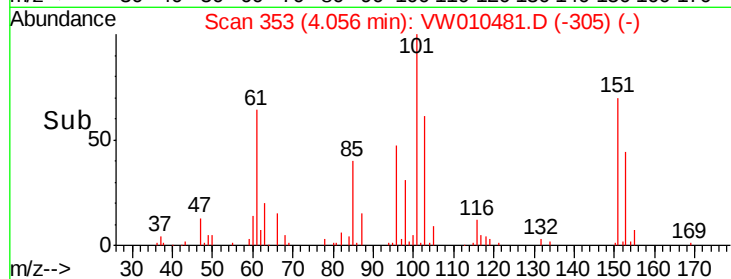
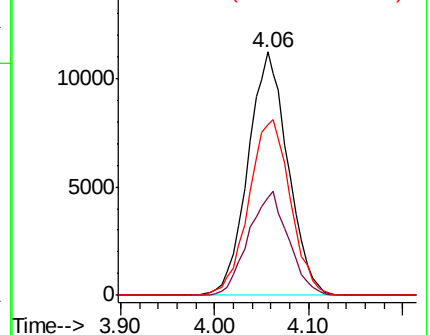
151 75.1 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

15000 Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.003 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

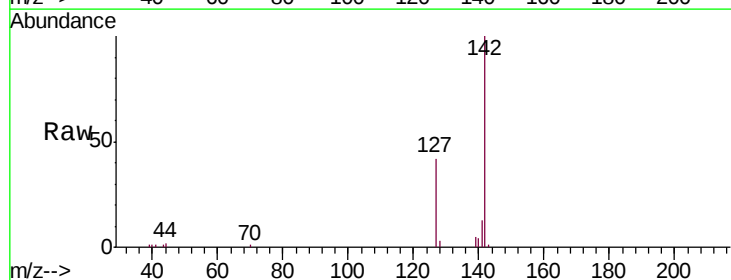
Tgt Ion:142 Resp: 31439

Ion Ratio Lower Upper

142 100

127 44.6 36.1 54.1

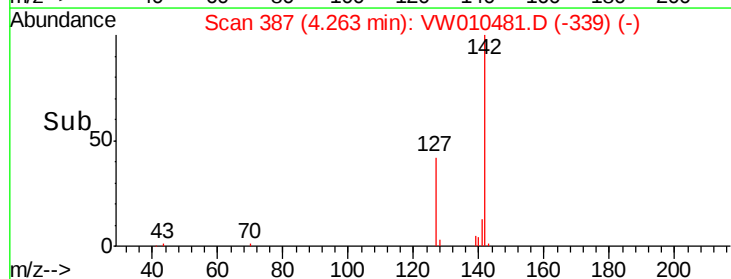
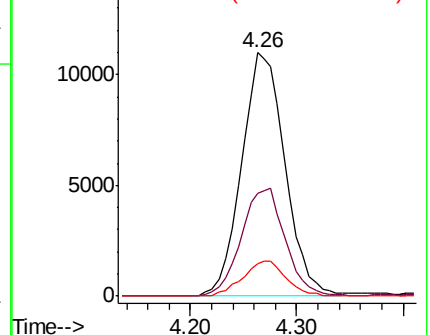
141 14.2 11.3 16.9

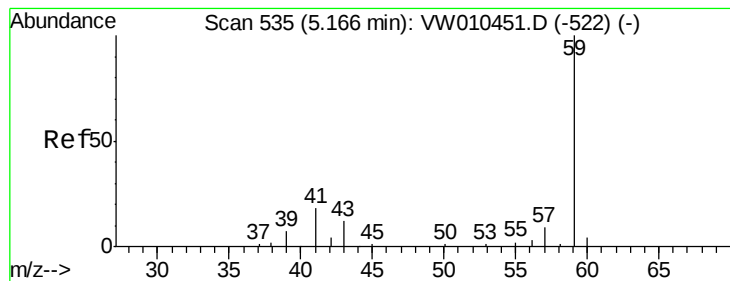


Abundance Ion 141.80 (141.50 to 142.50): V

15000 Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 83.451 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

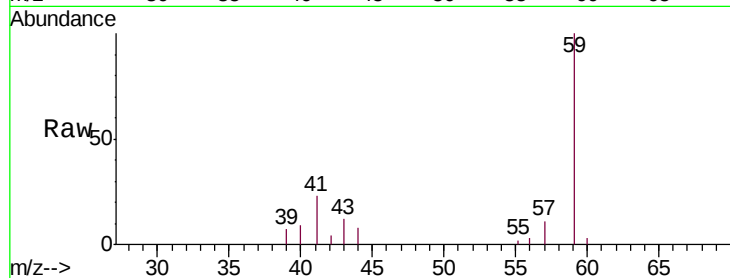
VW0521SBS01

Tgt Ion: 59 Resp: 11327

Ion Ratio Lower Upper

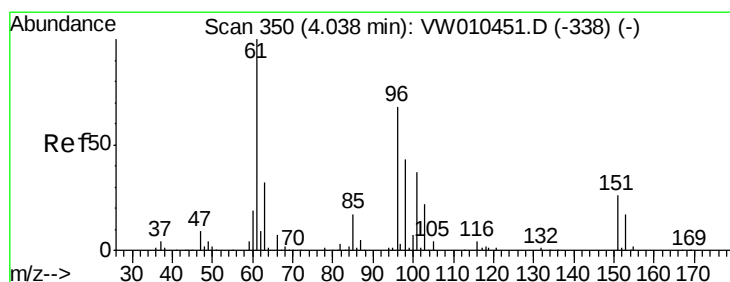
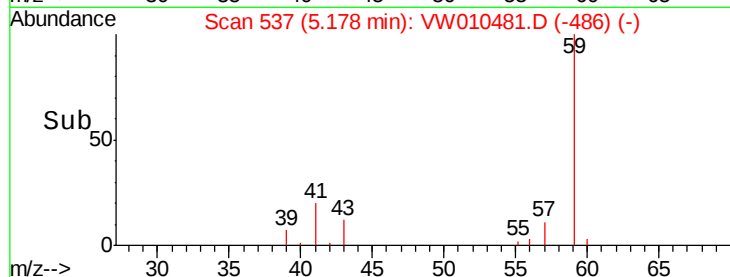
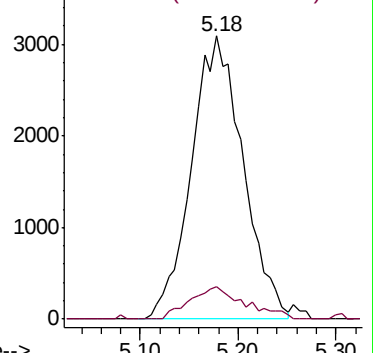
59 100

57 12.2 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.938 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

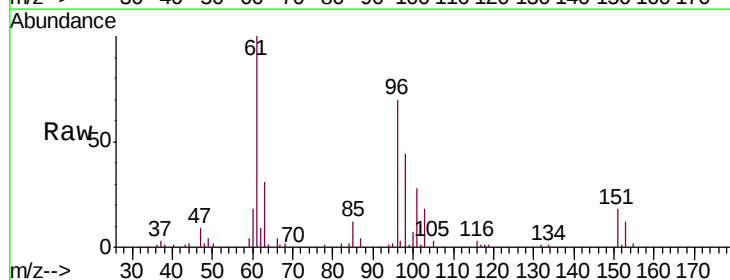
Tgt Ion: 96 Resp: 30788

Ion Ratio Lower Upper

96 100

61 142.1 118.3 177.5

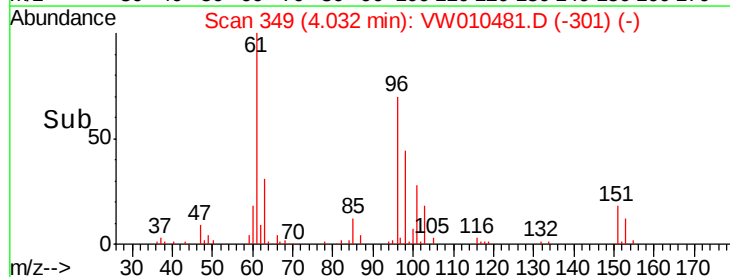
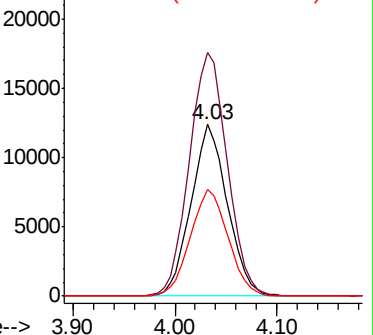
98 62.4 51.0 76.6

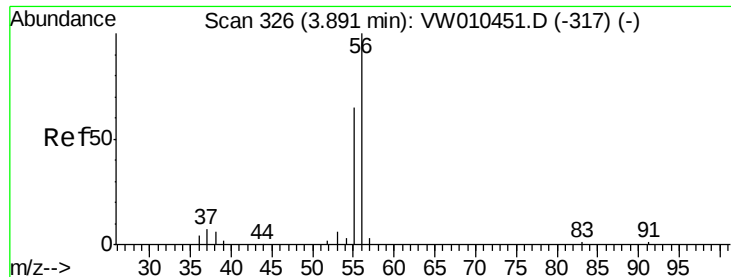


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

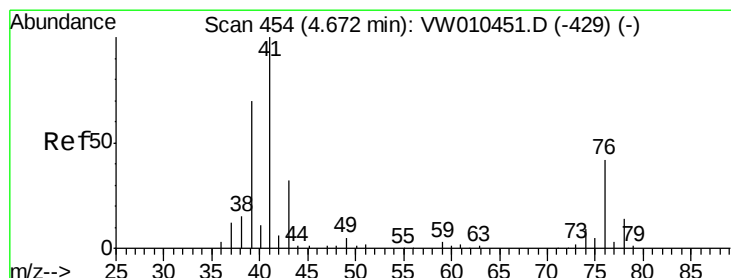
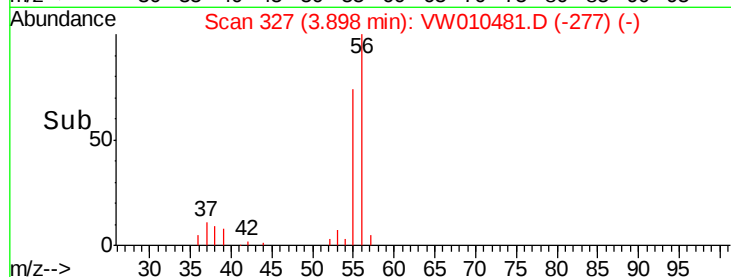
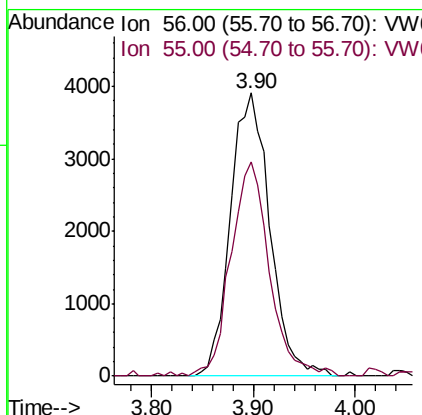
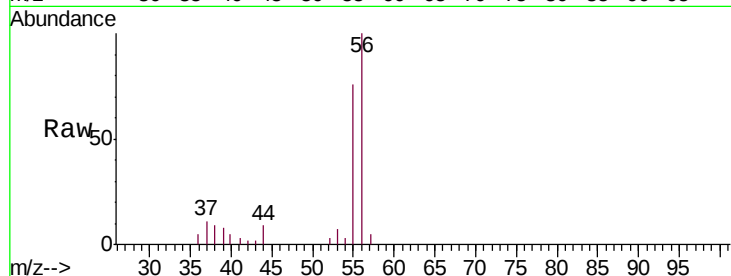




#13
 Acrolein
 Concen: 121.271 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

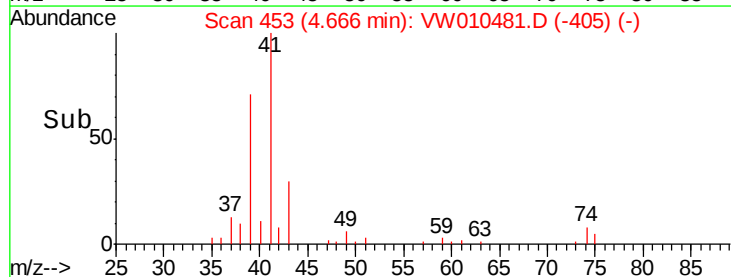
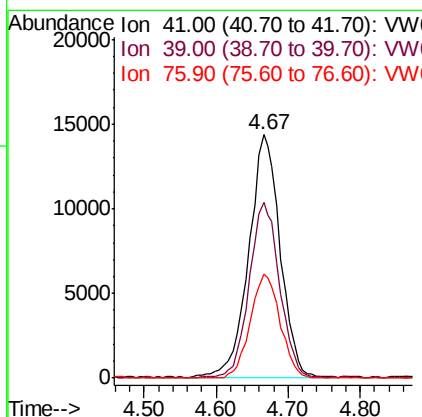
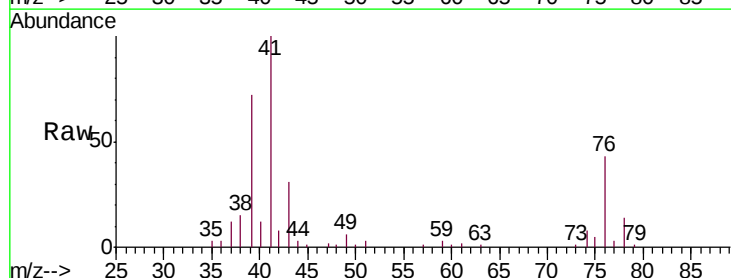
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

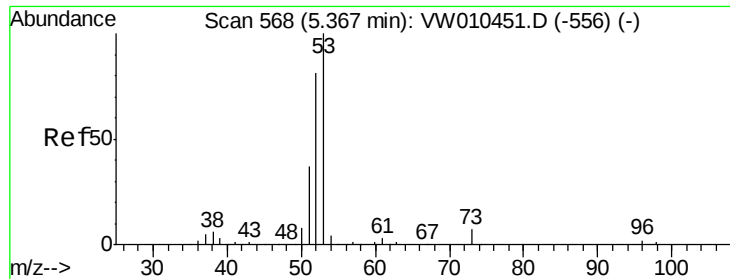
Tgt Ion: 56 Resp: 10500
 Ion Ratio Lower Upper
 56 100
 55 73.9 57.9 86.9



#14
 Allyl chloride
 Concen: 19.607 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 41 Resp: 43827
 Ion Ratio Lower Upper
 41 100
 39 69.7 55.0 82.4
 76 40.4 32.8 49.2





#15

Acrylonitrile

Concen: 92.712 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

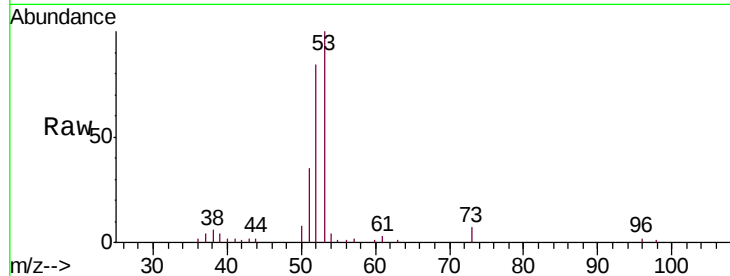
Tgt Ion: 53 Resp: 32331

Ion Ratio Lower Upper

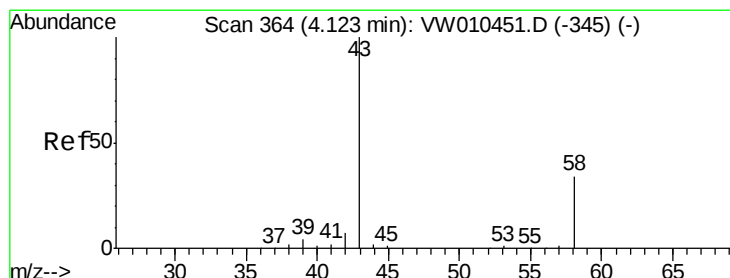
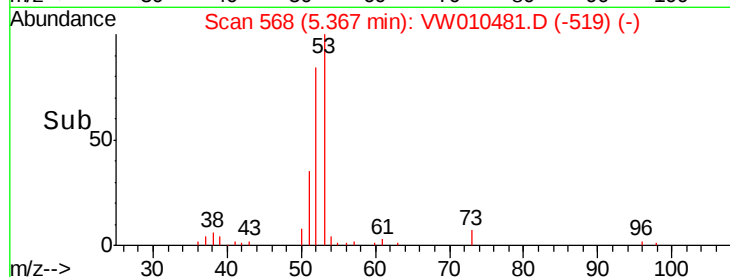
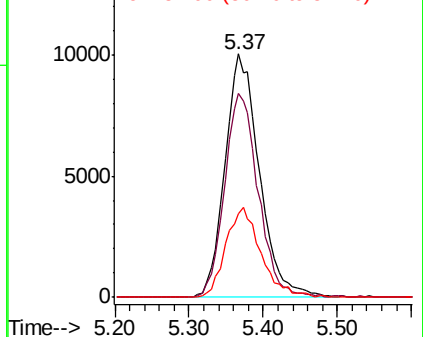
53 100

52 81.9 65.6 98.4

51 37.6 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 83.401 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010481.D

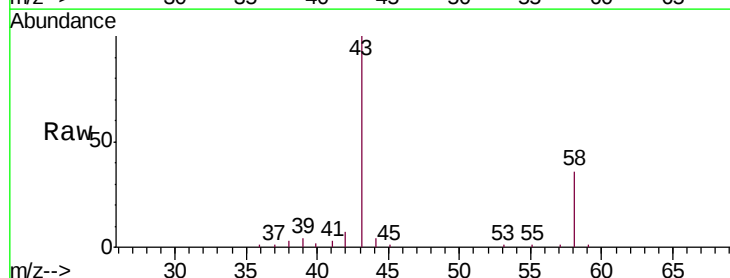
Acq: 21 May 2019 12:25

Tgt Ion: 43 Resp: 25689

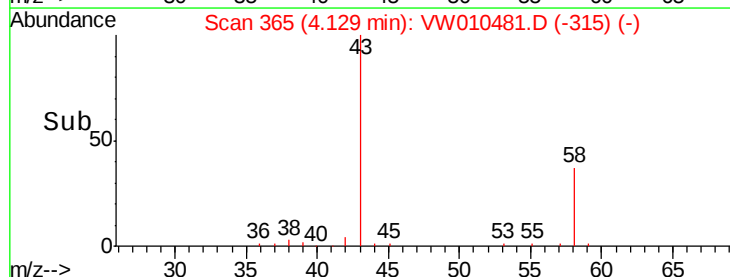
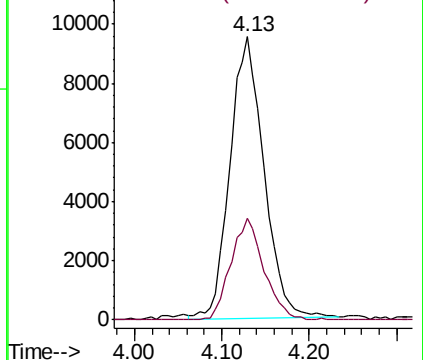
Ion Ratio Lower Upper

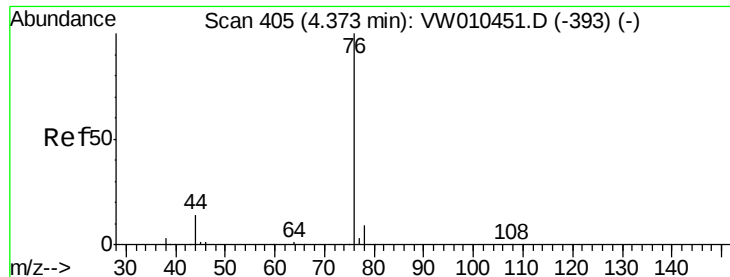
43 100

58 36.2 27.0 40.4



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

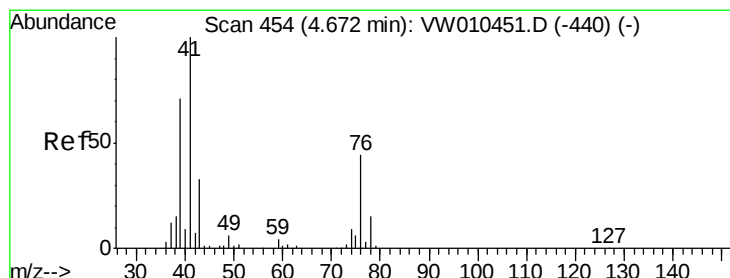
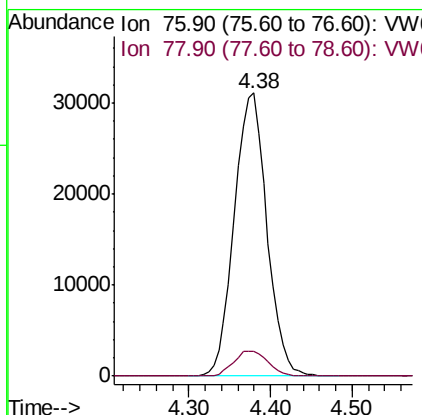
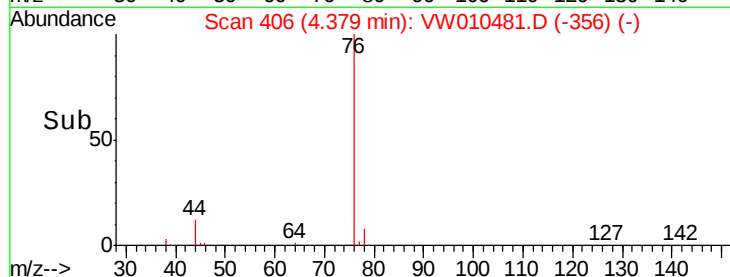
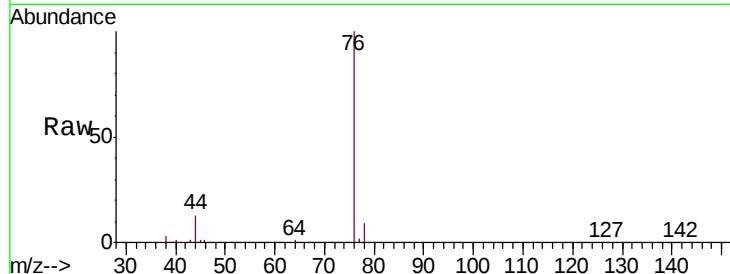




#17
Carbon Disulfide
Concen: 18.652 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

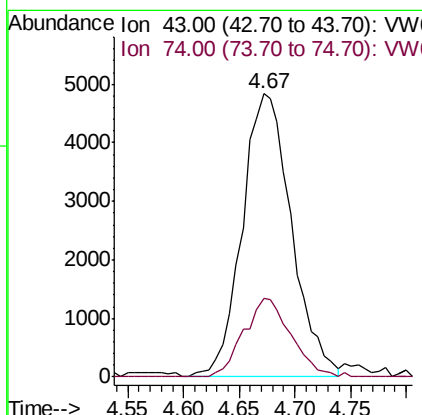
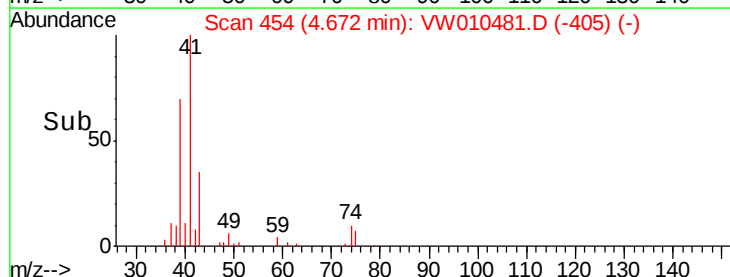
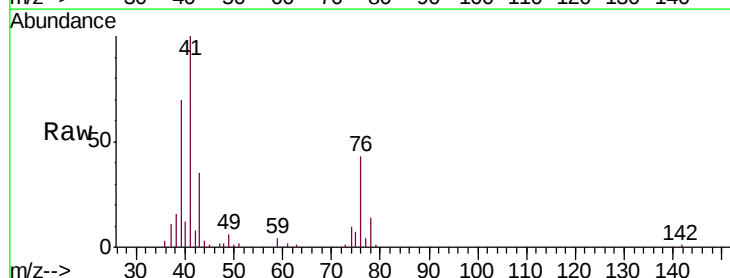
Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

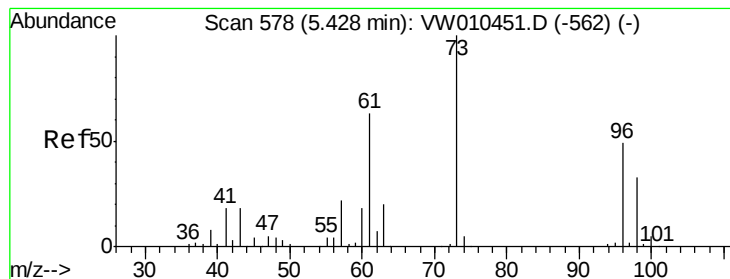
Tgt Ion: 76 Resp: 85912
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 19.766 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion: 43 Resp: 14890
Ion Ratio Lower Upper
43 100
74 26.5 21.6 32.4



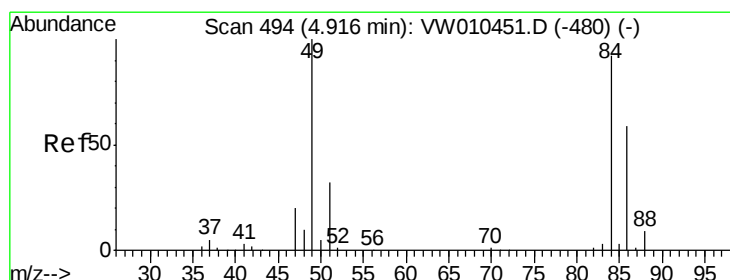
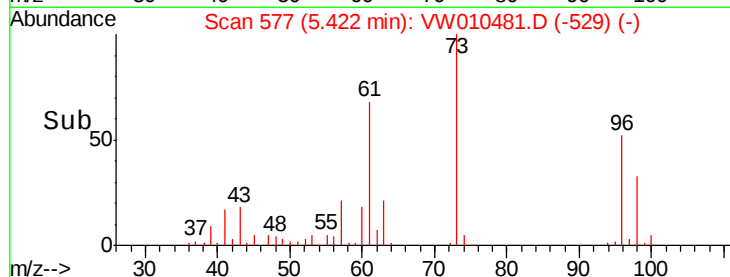
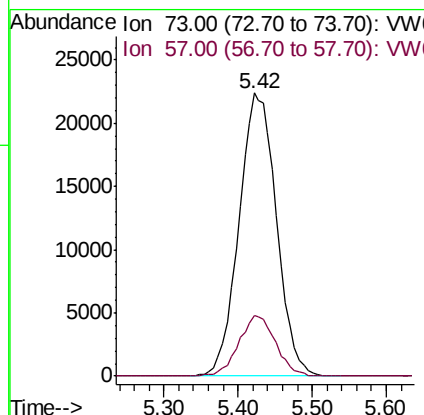
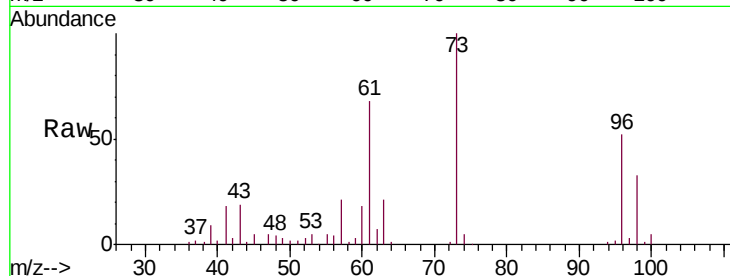


#19

Methyl tert-butyl Ether
 Concen: 19.999 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

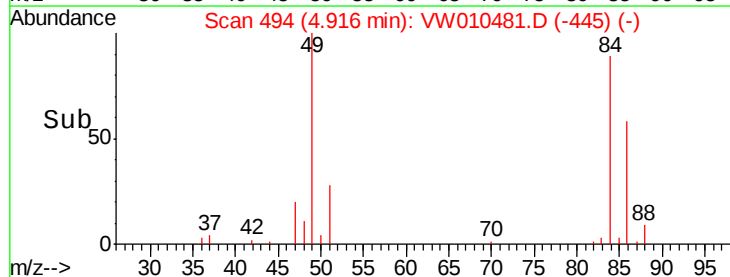
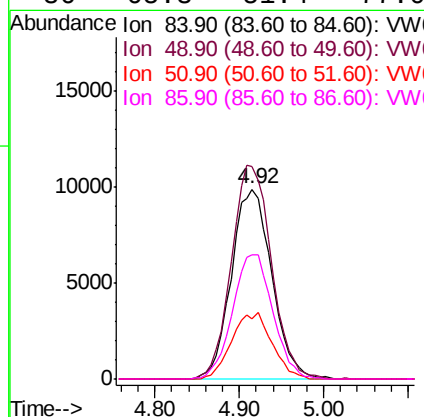
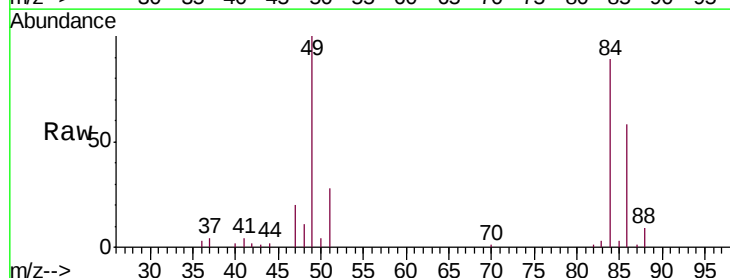
Tgt Ion: 73 Resp: 78732
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.4 26.0

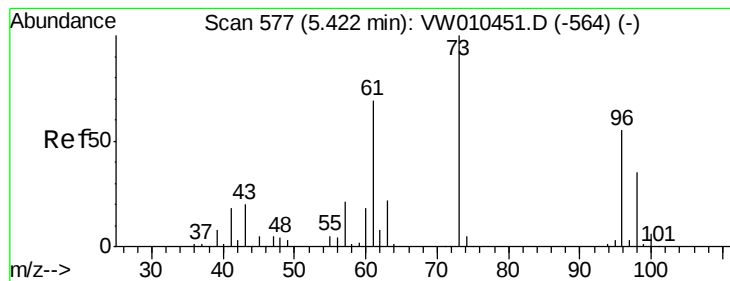


#20

Methylene Chloride
 Concen: 14.170 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 84 Resp: 32177
 Ion Ratio Lower Upper
 84 100
 49 112.4 87.2 130.8
 51 31.5 27.7 41.5
 86 65.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.985 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

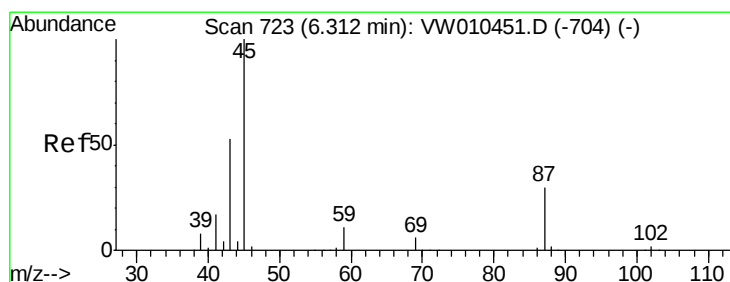
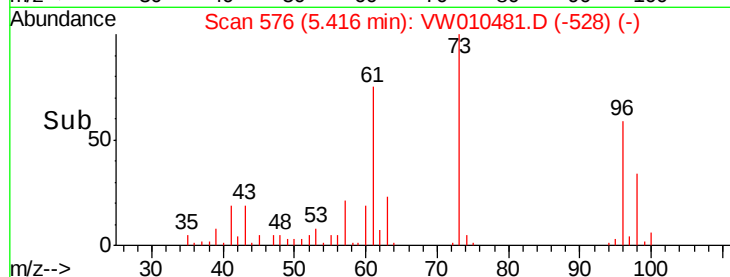
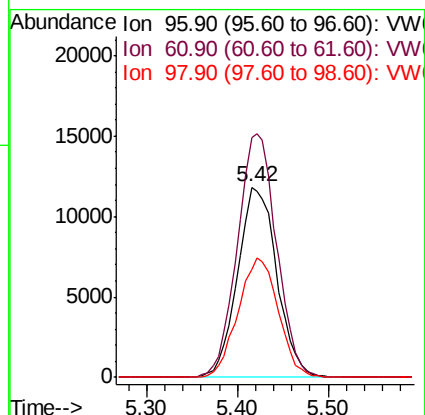
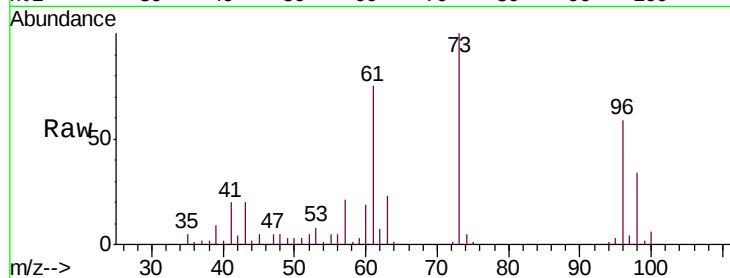
Tgt Ion: 96 Resp: 35399

Ion Ratio Lower Upper

96 100

61 126.2 101.4 152.0

98 57.0 50.6 76.0



#22

Diisopropyl ether

Concen: 19.866 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion: 45 Resp: 91052

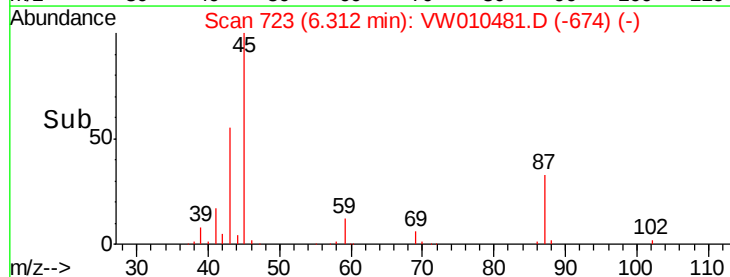
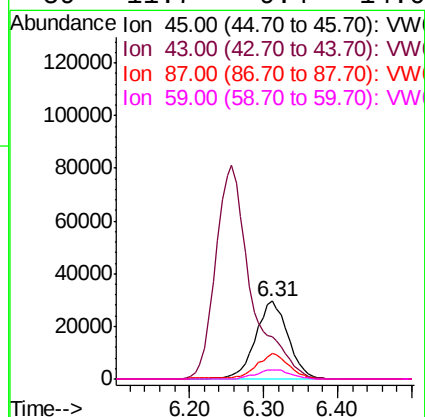
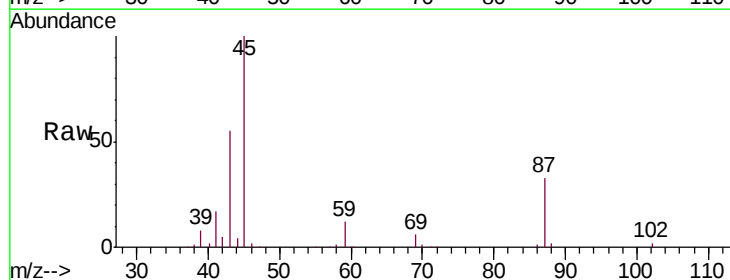
Ion Ratio Lower Upper

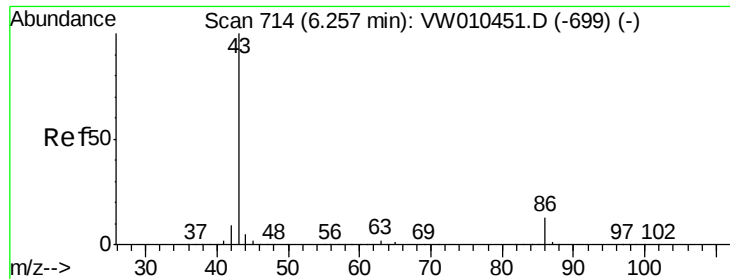
45 100

43 54.3 42.9 64.3

87 32.8 24.6 36.8

59 11.7 9.4 14.0





#23

Vinyl Acetate

Concen: 98.132 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

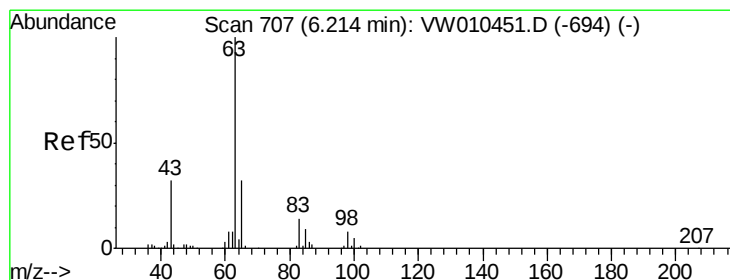
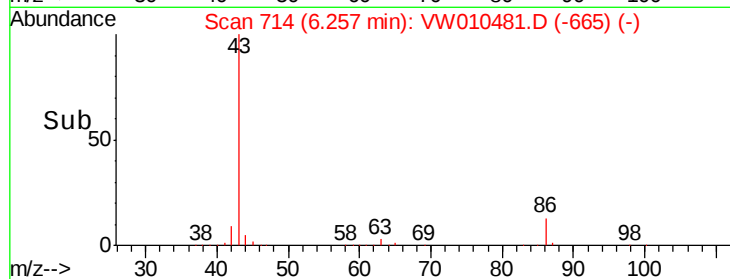
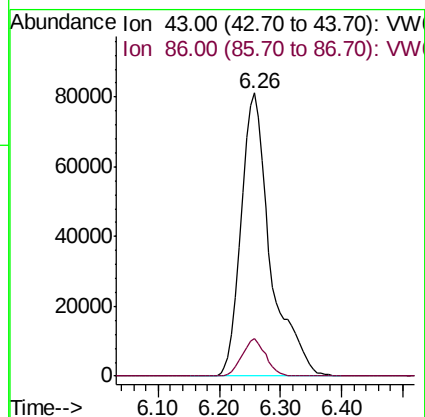
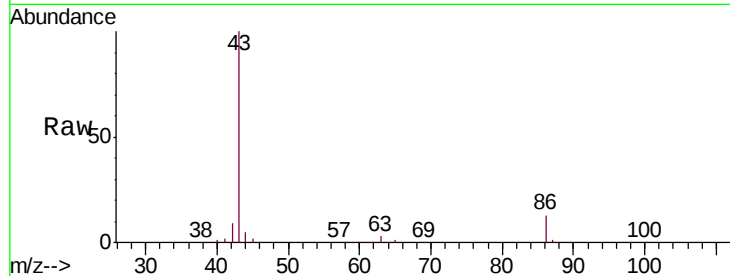
VW0521SBSD01

Tgt Ion: 43 Resp: 268665

Ion Ratio Lower Upper

43 100

86 13.3 10.3 15.5



#24

1,1-Dichloroethane

Concen: 20.681 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

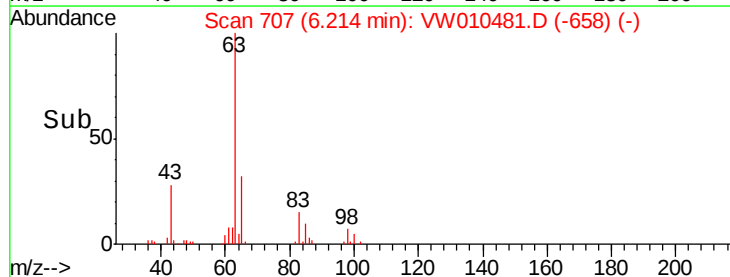
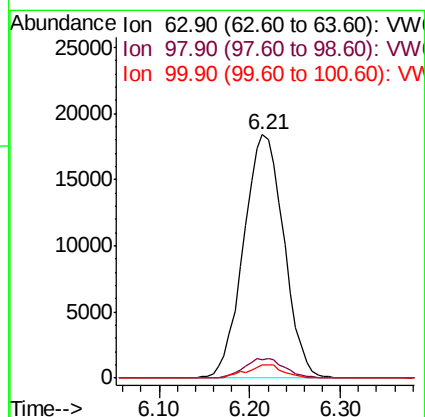
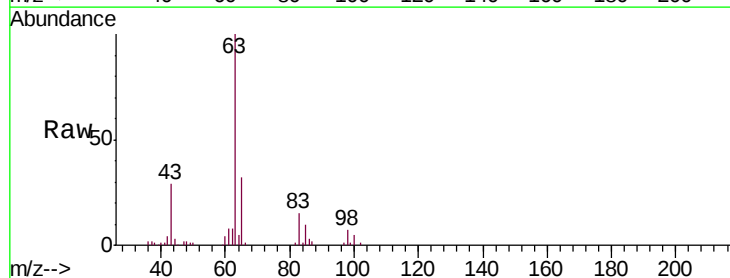
Tgt Ion: 63 Resp: 56565

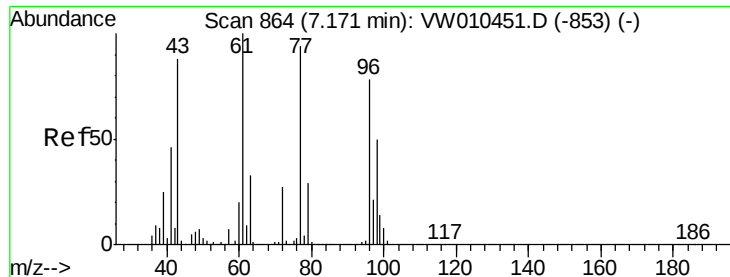
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 93.947 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

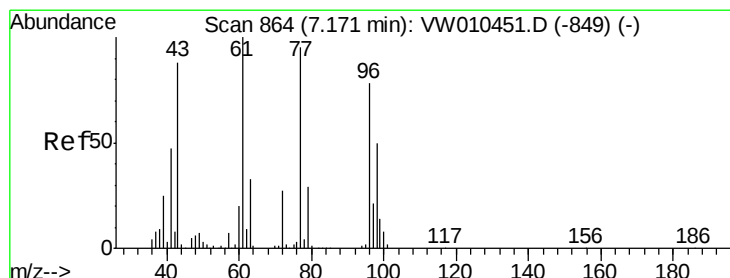
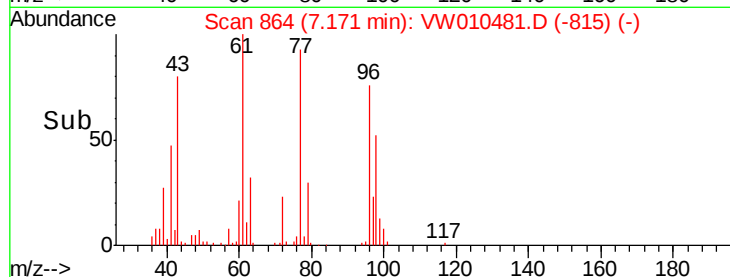
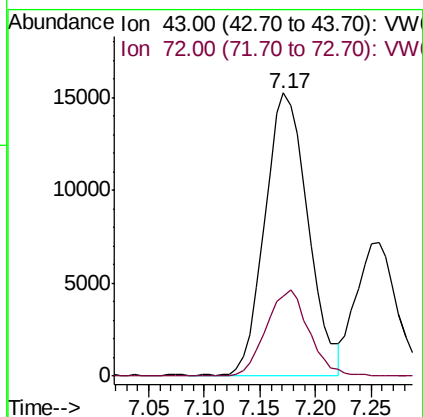
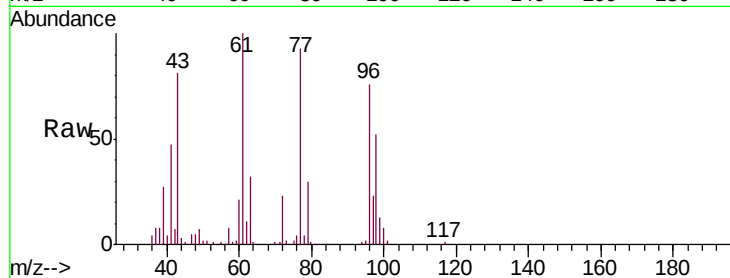
VW0521SBSD01

Tgt Ion: 43 Resp: 41412

Ion Ratio Lower Upper

43 100

72 28.4 24.1 36.1



#26

2,2-Dichloropropane

Concen: 20.469 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010481.D

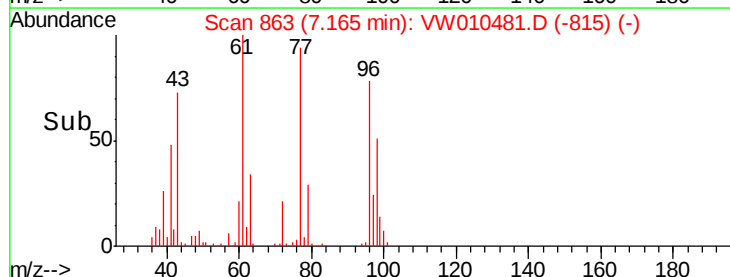
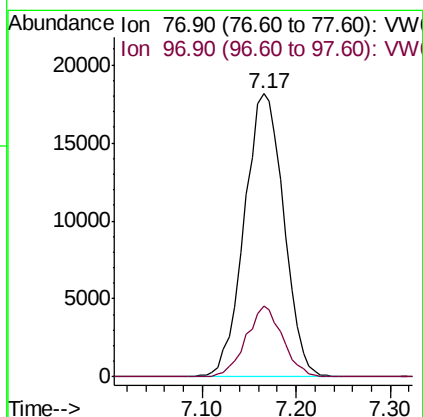
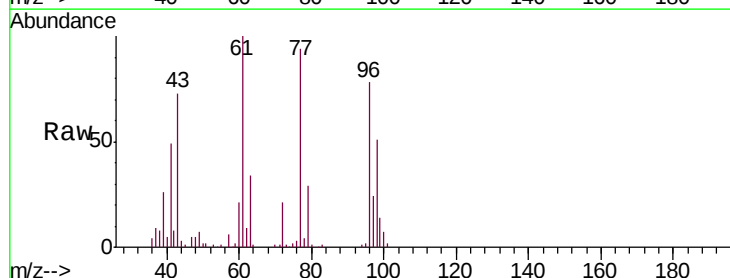
Acq: 21 May 2019 12:25

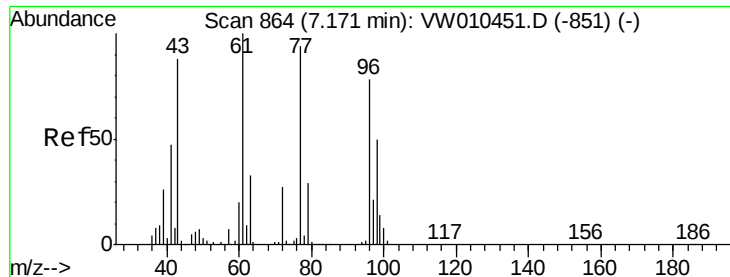
Tgt Ion: 77 Resp: 53328

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0



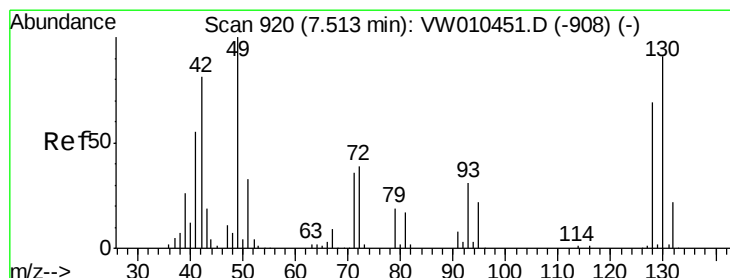
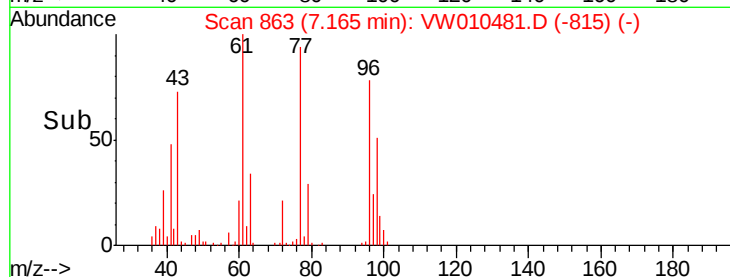
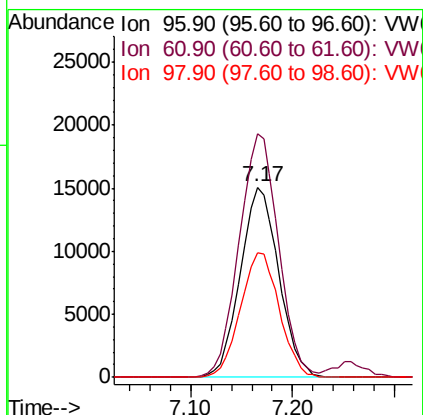
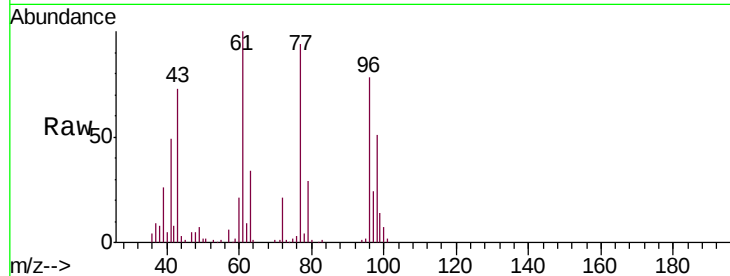


#27

cis-1,2-Dichloroethene
 Concen: 20.465 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

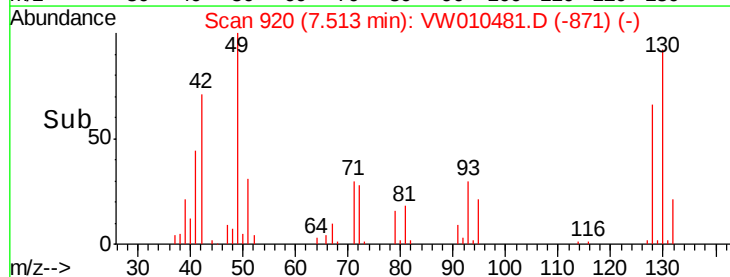
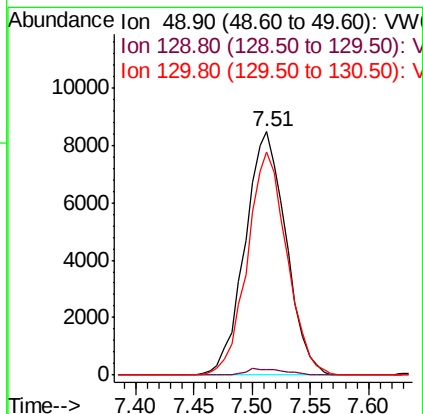
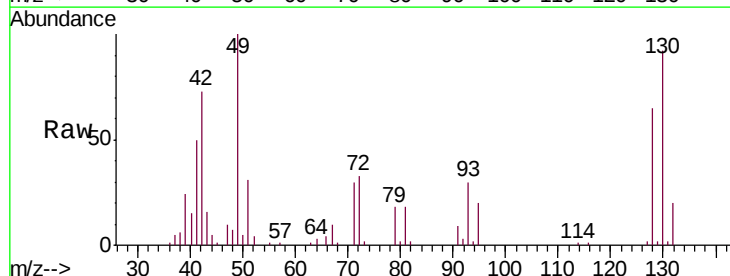
Tgt Ion: 96 Resp: 39409
 Ion Ratio Lower Upper
 96 100
 61 131.5 0.0 265.4
 98 66.3 0.0 129.4

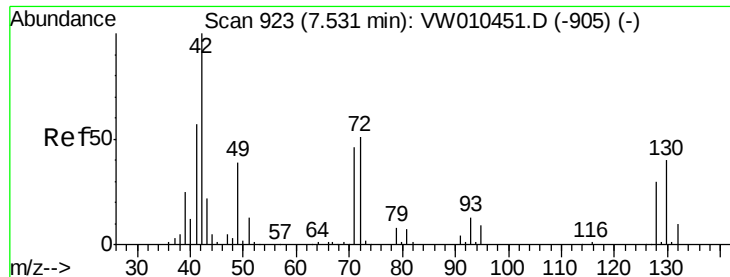


#28

Bromochloromethane
 Concen: 21.215 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 49 Resp: 20775
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 88.5 71.2 106.8

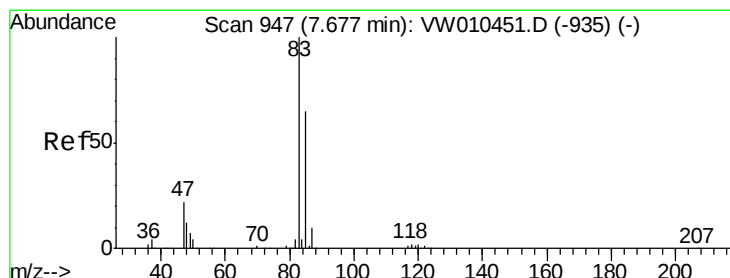
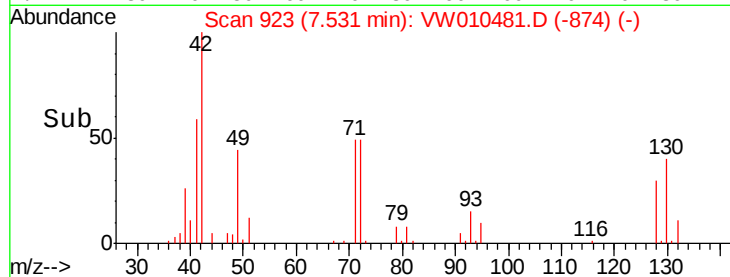
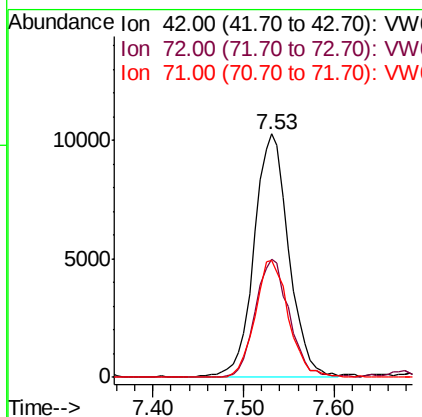
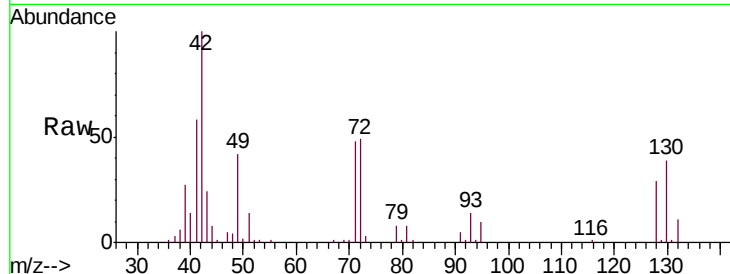




#29
Tetrahydrofuran
Concen: 90.981 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

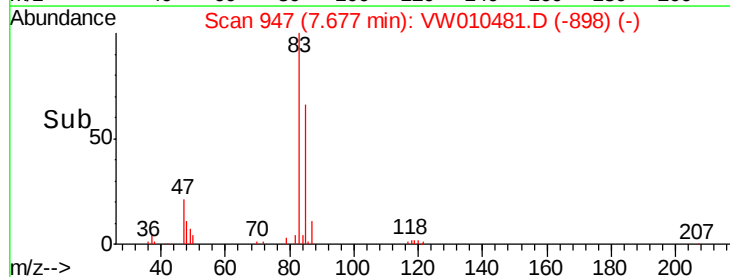
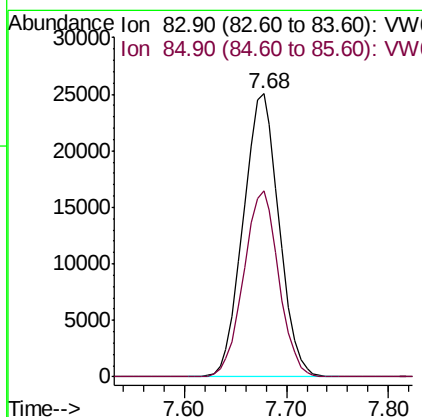
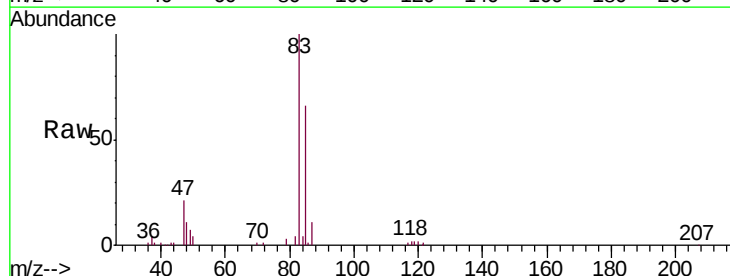
Instrument :
MSVOA_W
ClientSampled :
VW0521SBSD01

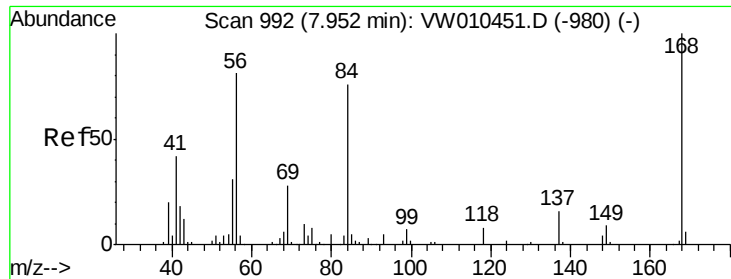
Tgt Ion: 42 Resp: 27138
Ion Ratio Lower Upper
42 100
72 47.7 38.5 57.7
71 46.4 36.5 54.7



#30
Chloroform
Concen: 20.730 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion: 83 Resp: 61156
Ion Ratio Lower Upper
83 100
85 65.8 52.2 78.4

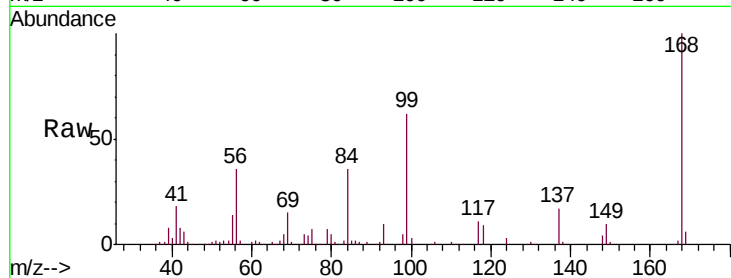




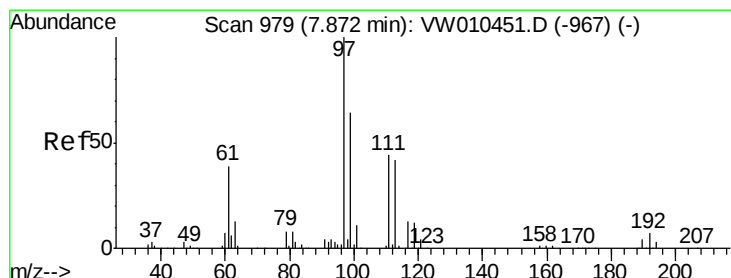
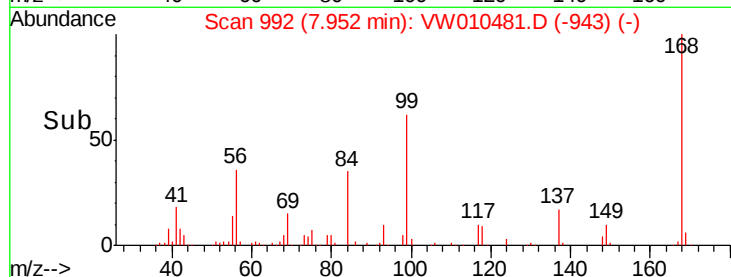
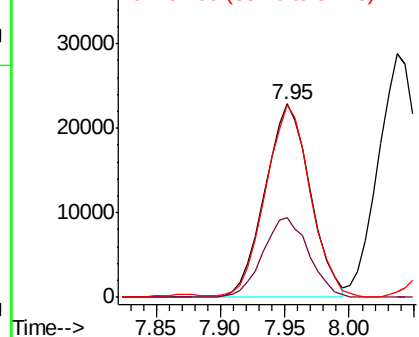
#31
Cyclohexane
Concen: 19.420 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tgt Ion: 56 Resp: 55638
Ion Ratio Lower Upper
56 100
69 41.5 28.2 42.2
84 97.5 75.8 113.8

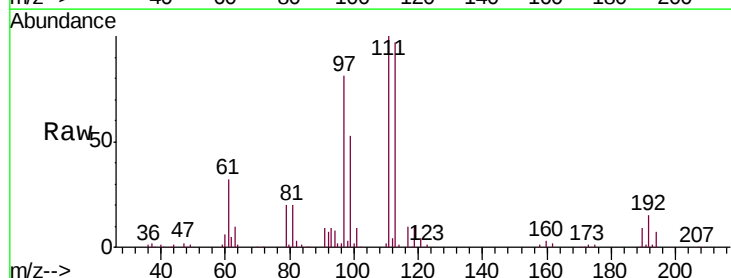


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

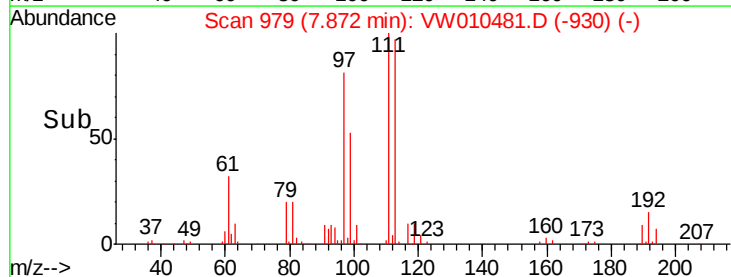
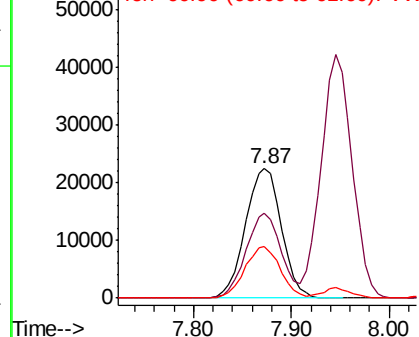


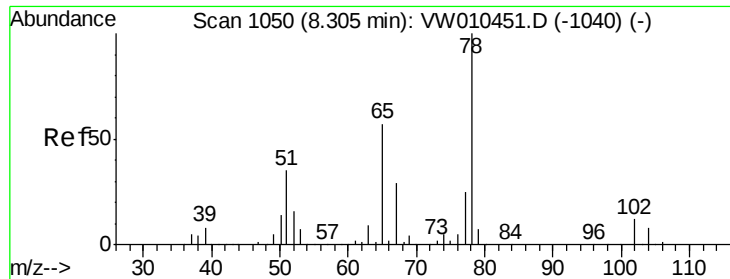
#32
1,1,1-Trichloroethane
Concen: 20.386 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion: 97 Resp: 57484
Ion Ratio Lower Upper
97 100
99 65.0 50.8 76.2
61 39.1 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

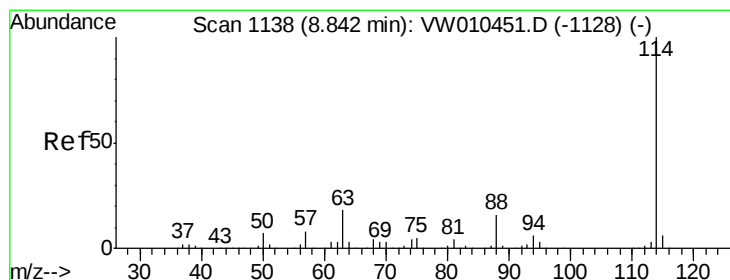
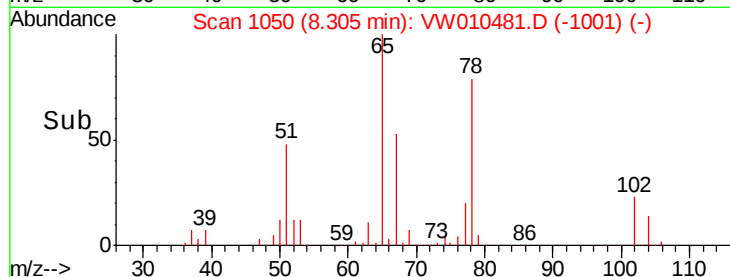
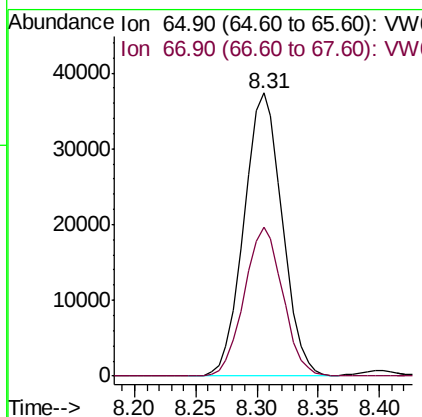
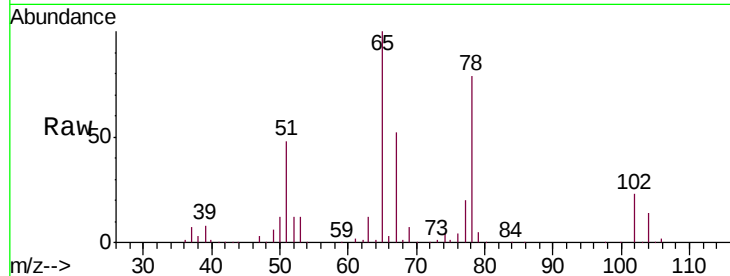




#33
 1,2-Dichloroethane-d4
 Concen: 53.870 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

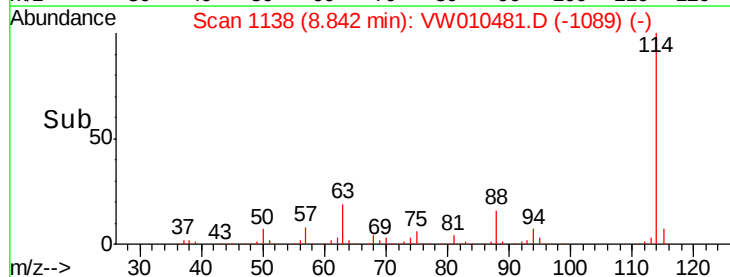
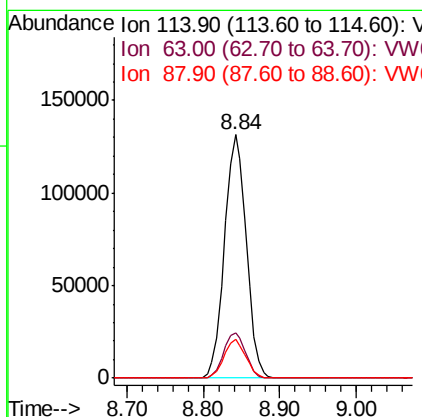
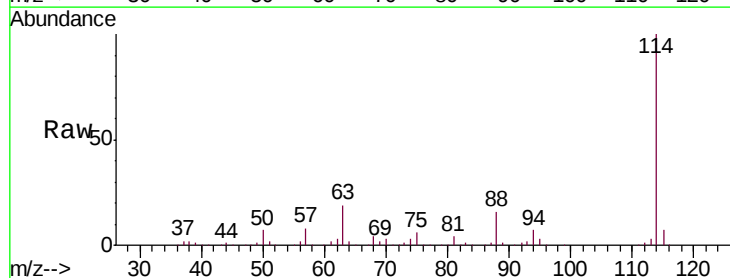
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

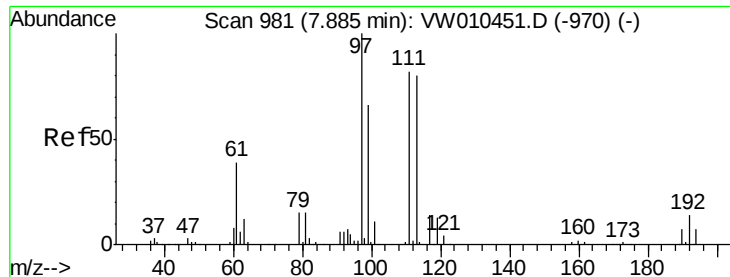
Tgt Ion: 65 Resp: 81290
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 114 Resp: 258588
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 15.8 0.0 32.0

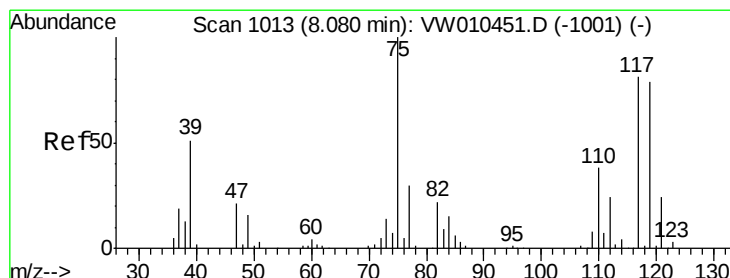
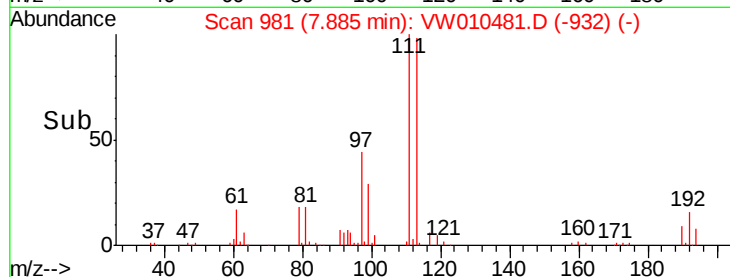
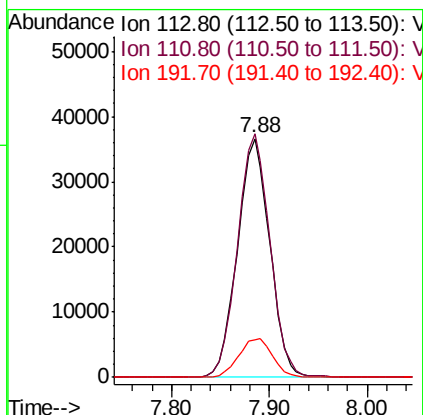
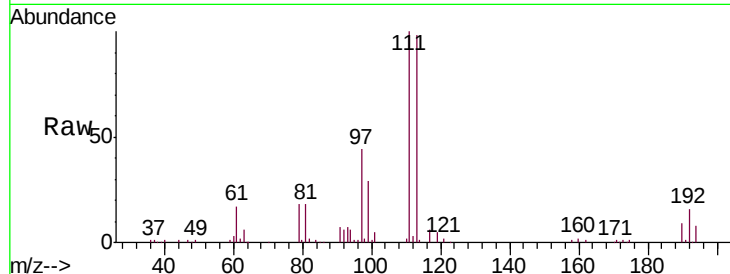




#35
 Dibromofluoromethane
 Concen: 53.447 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

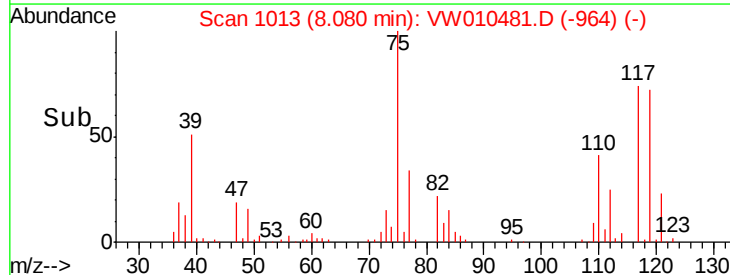
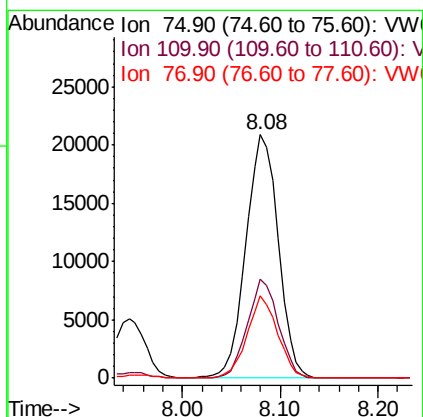
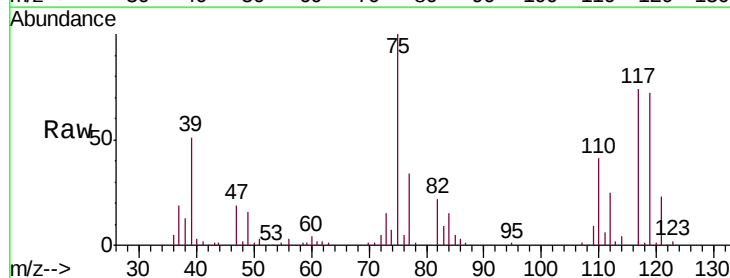
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

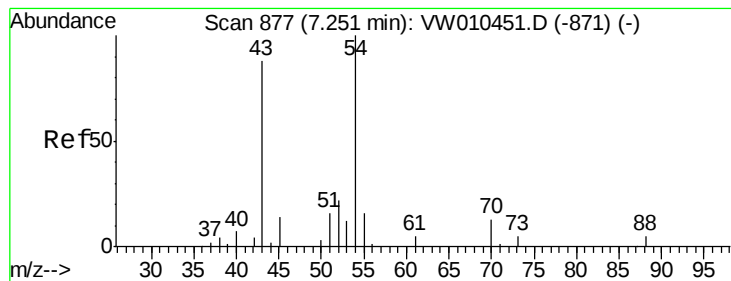
Tgt Ion: 113 Resp: 83861
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.4
 192 17.1 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 19.919 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 75 Resp: 47982
 Ion Ratio Lower Upper
 75 100
 110 38.8 19.2 57.6
 77 31.9 25.2 37.8





#37

Ethyl Acetate

Concen: 18.387 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

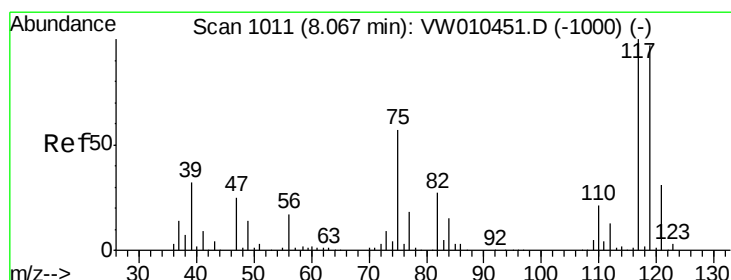
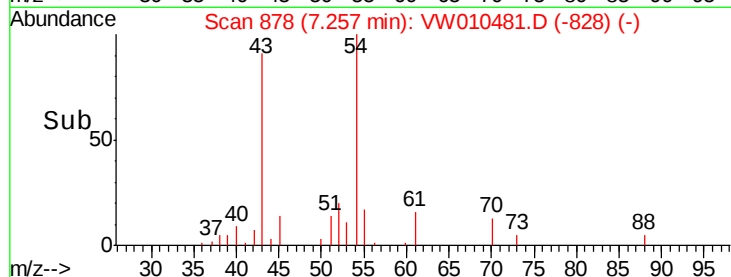
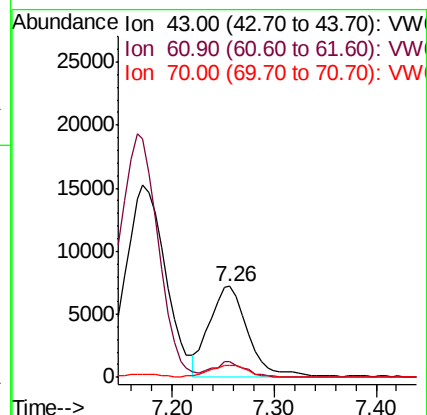
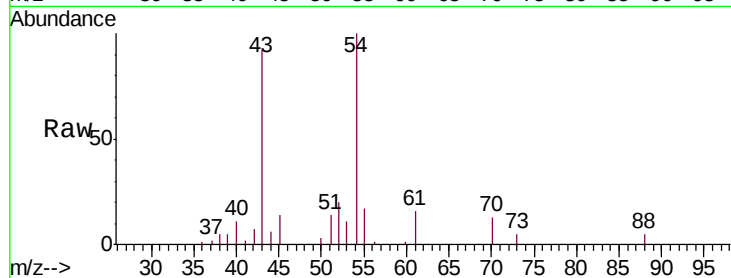
Tgt Ion: 43 Resp: 18835

Ion Ratio Lower Upper

43 100

61 14.2 11.2 16.8

70 13.6 9.9 14.9



#38

Carbon Tetrachloride

Concen: 19.794 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

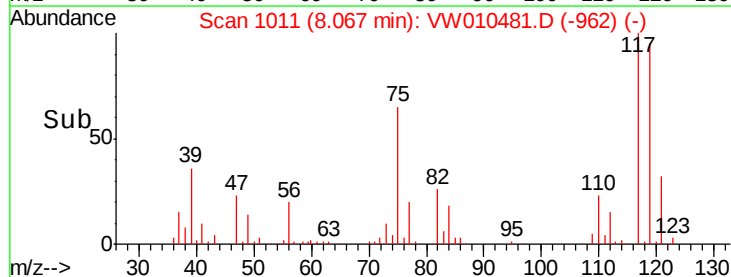
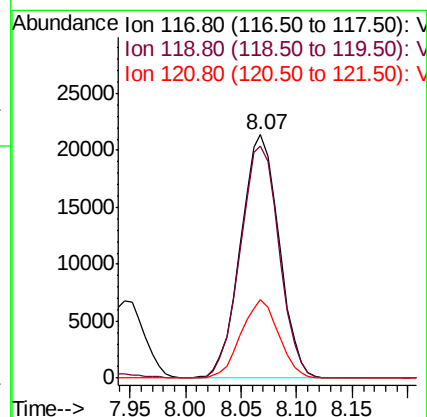
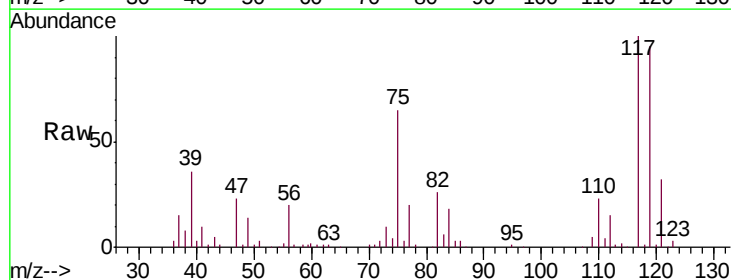
Tgt Ion: 117 Resp: 51435

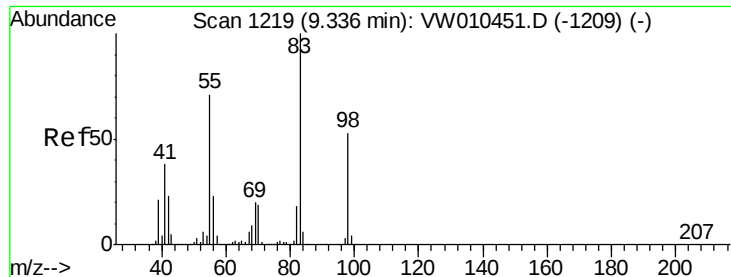
Ion Ratio Lower Upper

117 100

119 95.3 77.4 116.0

121 32.3 25.0 37.6

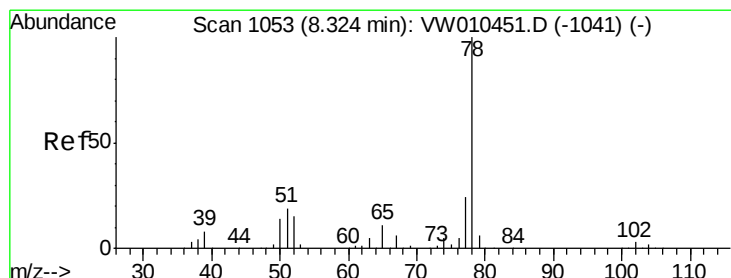
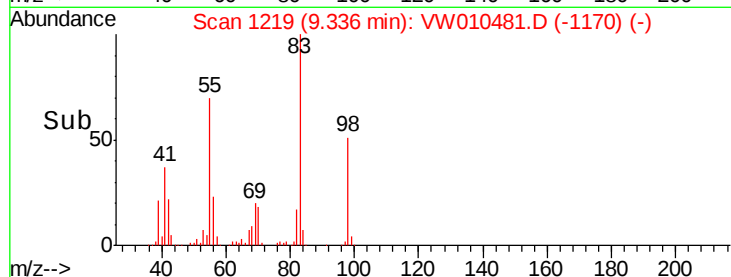
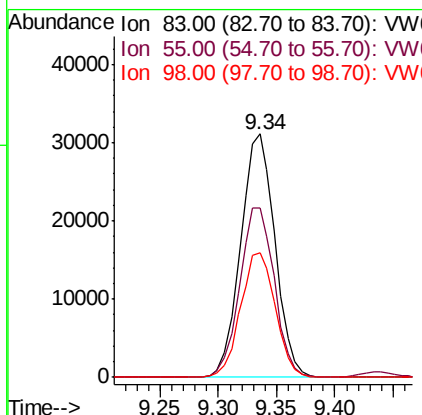
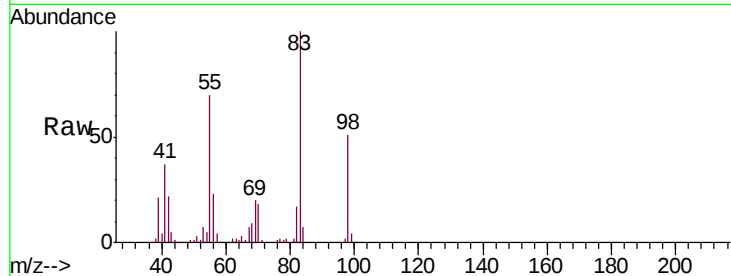




#39
Methylcyclohexane
Concen: 19.798 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

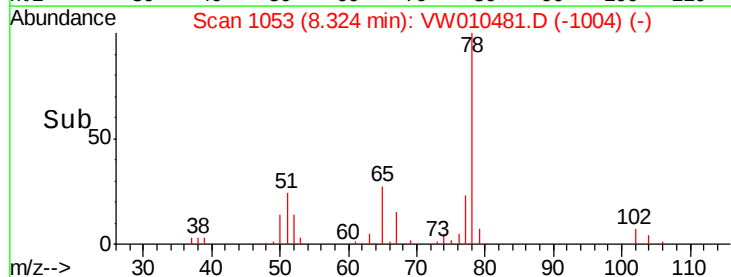
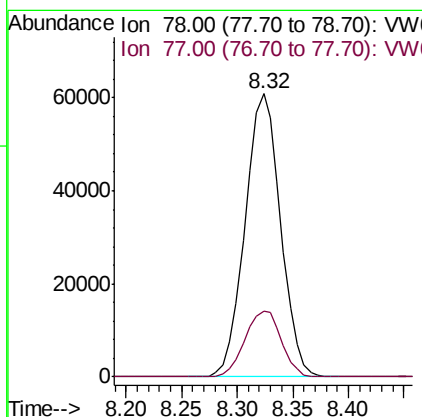
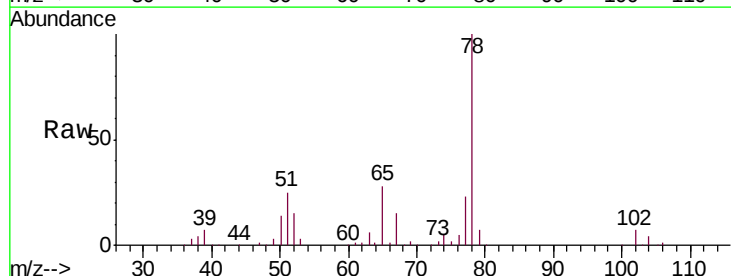
Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

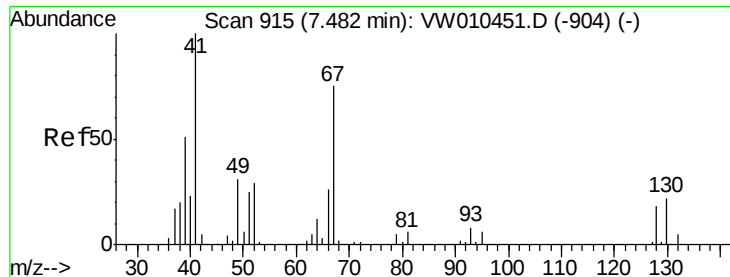
Tgt Ion: 83 Resp: 63894
Ion Ratio Lower Upper
83 100
55 69.8 57.0 85.6
98 51.4 42.0 63.0



#40
Benzene
Concen: 20.162 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion: 78 Resp: 134992
Ion Ratio Lower Upper
78 100
77 23.3 18.9 28.3





#41

Methacrylonitrile

Concen: 19.770 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

Tgt Ion: 41 Resp: 12033

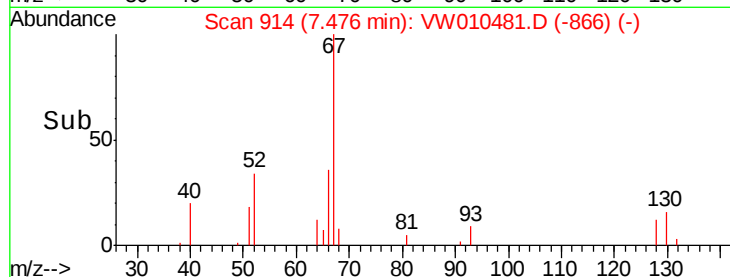
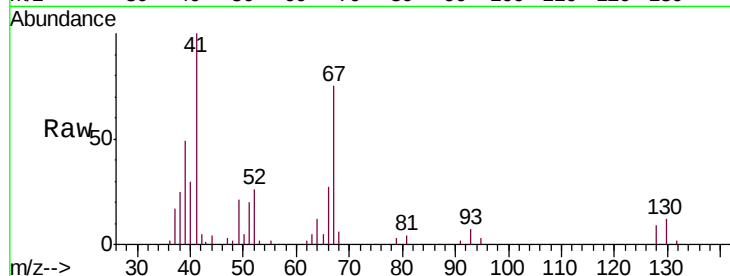
Ion Ratio Lower Upper

41 100

39 53.8 47.4 71.2

67 74.7 65.5 98.3

52 28.0 25.0 37.4

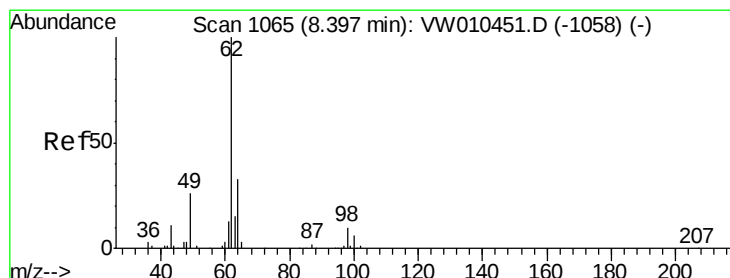
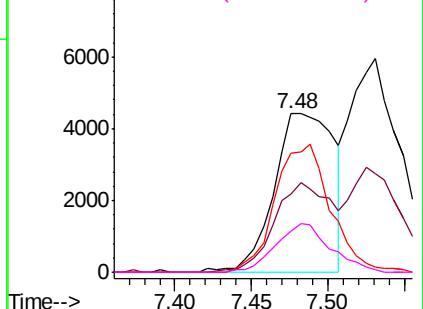


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 20.061 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010481.D

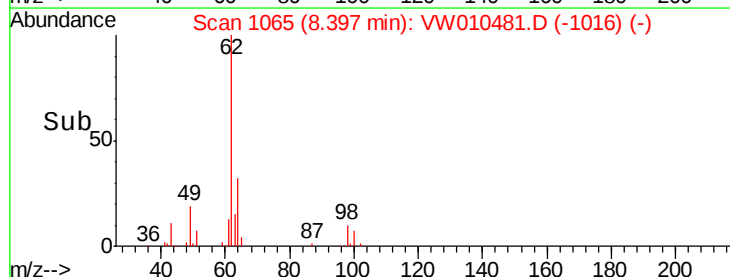
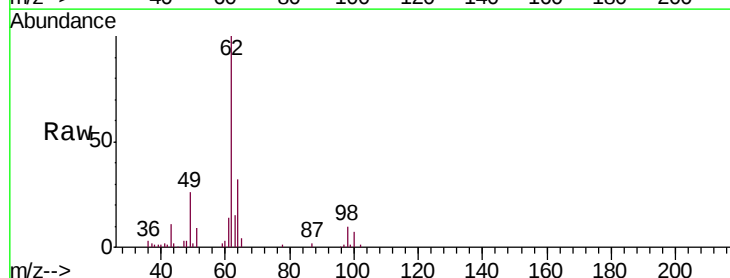
Acq: 21 May 2019 12:25

Tgt Ion: 62 Resp: 38388

Ion Ratio Lower Upper

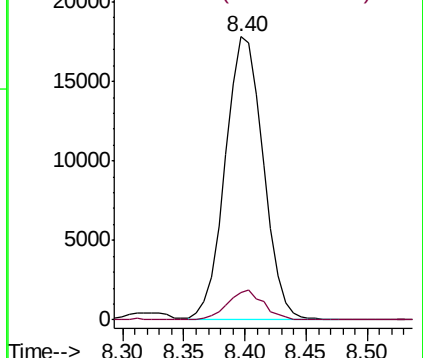
62 100

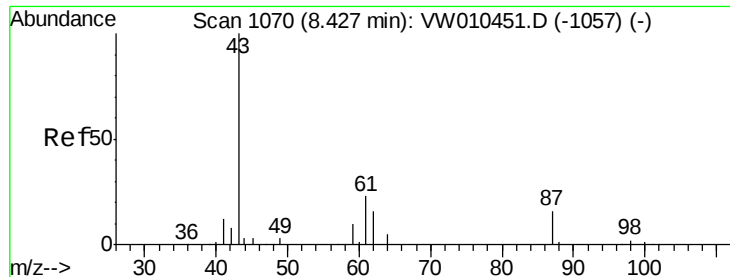
98 10.0 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.779 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

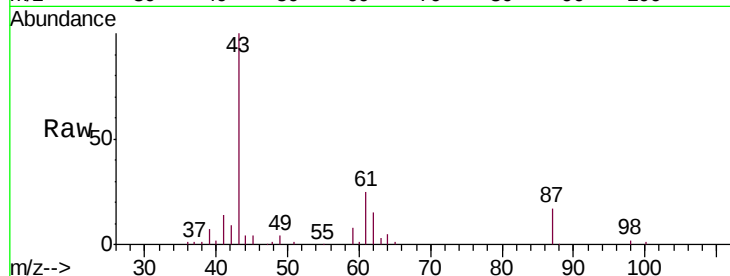
Tgt Ion: 43 Resp: 38431

Ion Ratio Lower Upper

43 100

61 32.4 25.4 38.2

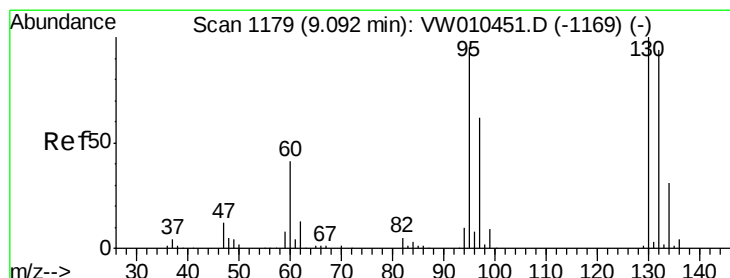
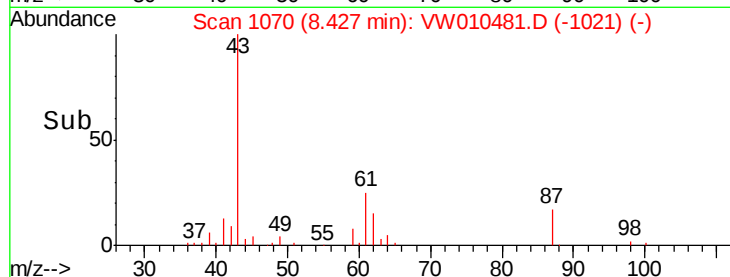
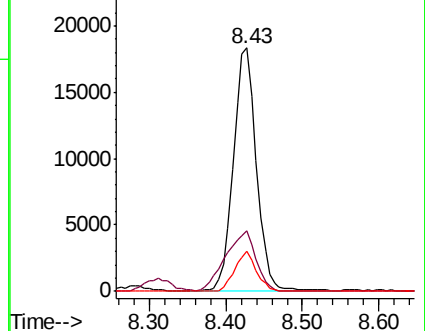
87 15.3 12.7 19.1



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: 19.988 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010481.D

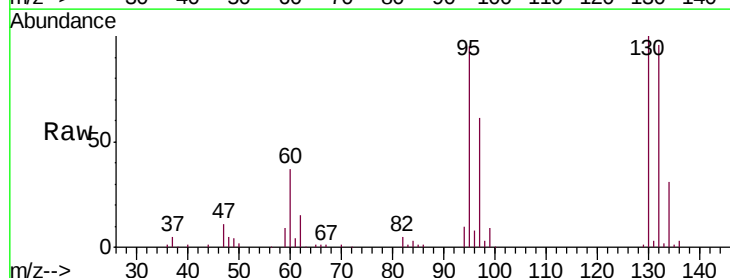
Acq: 21 May 2019 12:25

Tgt Ion: 130 Resp: 39731

Ion Ratio Lower Upper

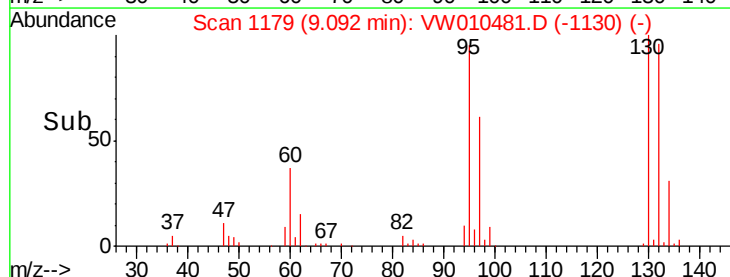
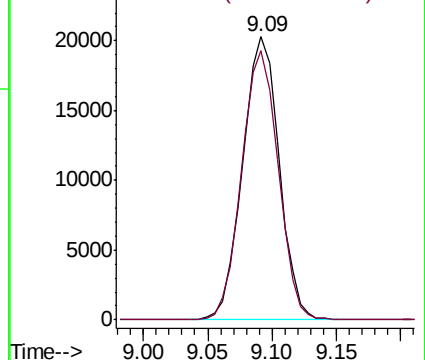
130 100

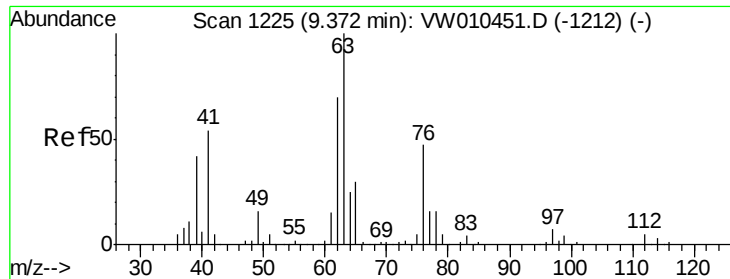
95 95.3 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.257 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

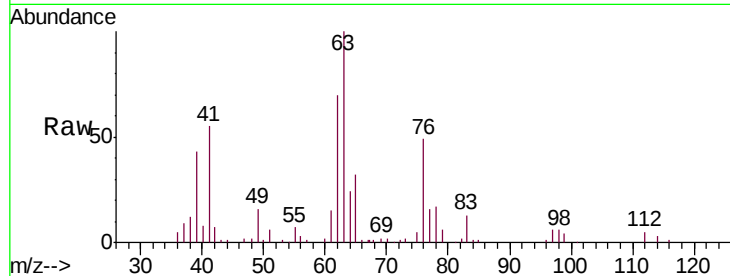
VW0521SBS01

Tgt Ion: 63 Resp: 32212

Ion Ratio Lower Upper

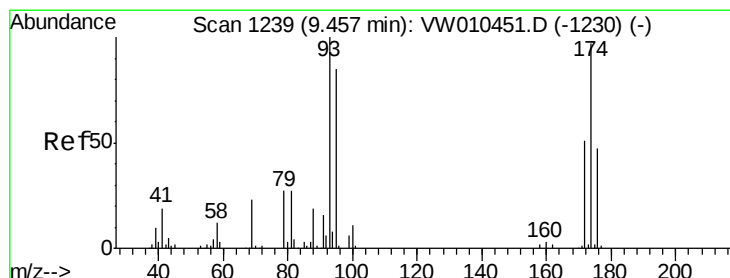
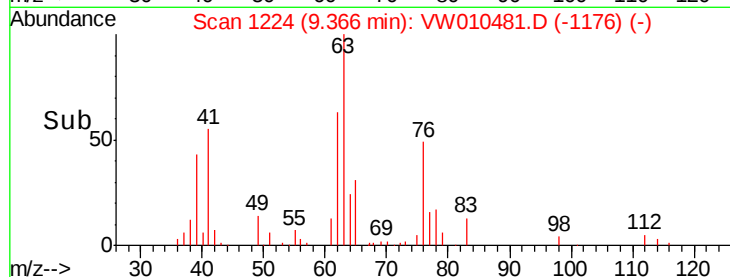
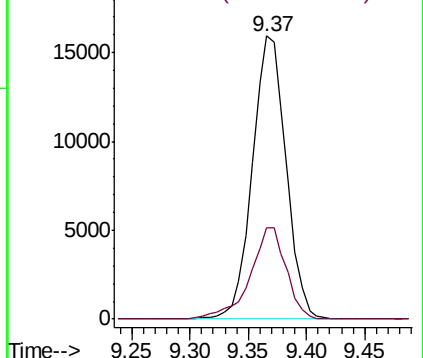
63 100

65 32.1 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.858 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

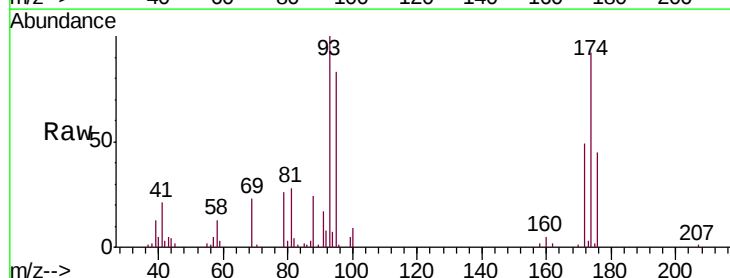
Tgt Ion: 93 Resp: 18467

Ion Ratio Lower Upper

93 100

95 84.1 66.1 99.1

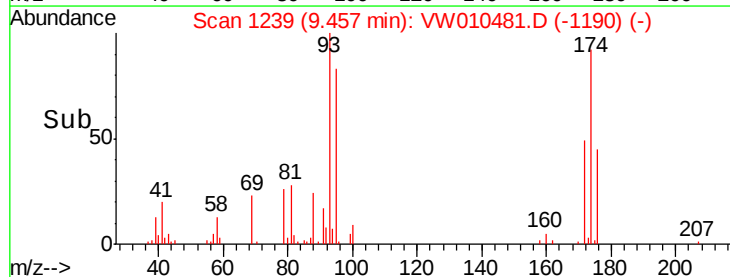
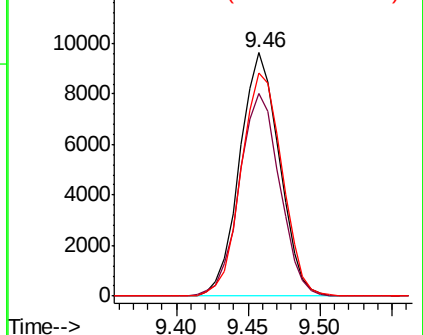
174 94.6 77.1 115.7

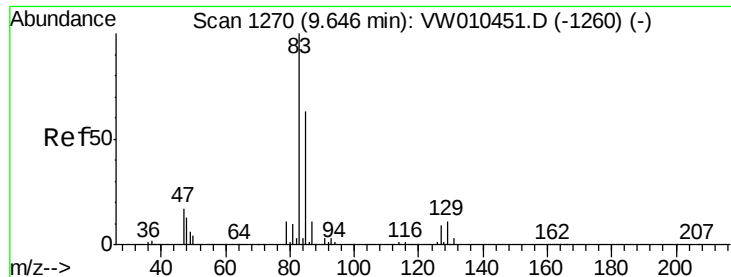


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.114 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

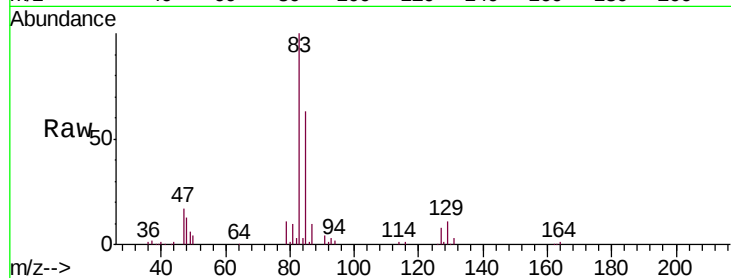
Tgt Ion: 83 Resp: 47005

Ion Ratio Lower Upper

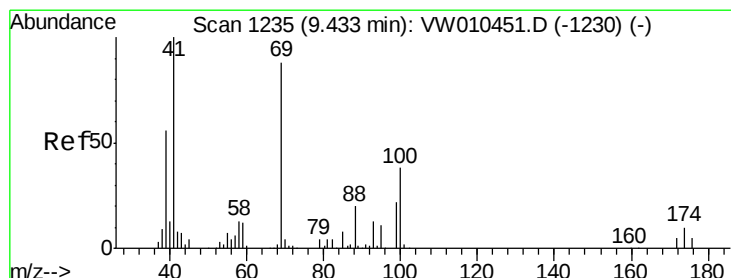
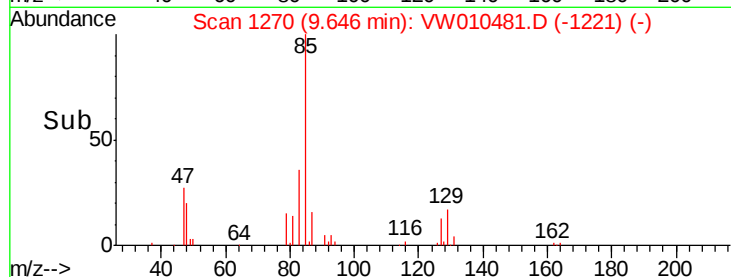
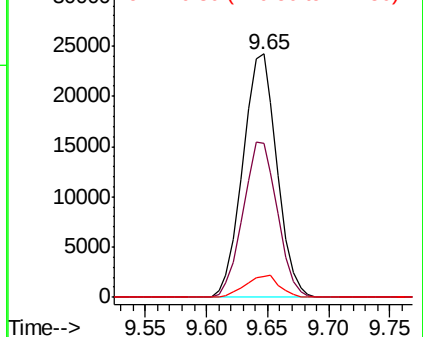
83 100

85 63.3 50.4 75.6

127 8.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.565 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

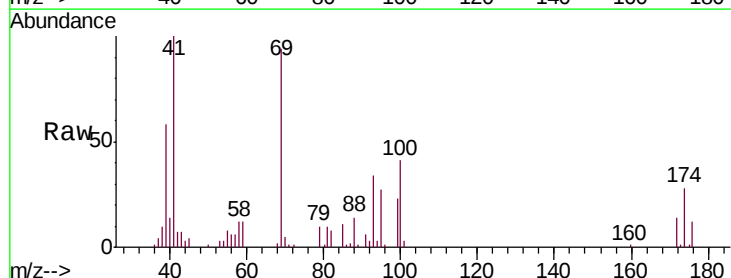
Tgt Ion: 41 Resp: 18317

Ion Ratio Lower Upper

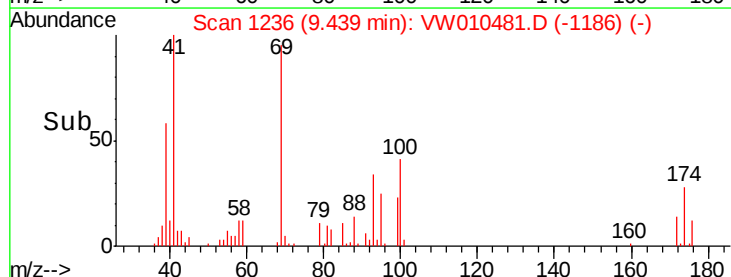
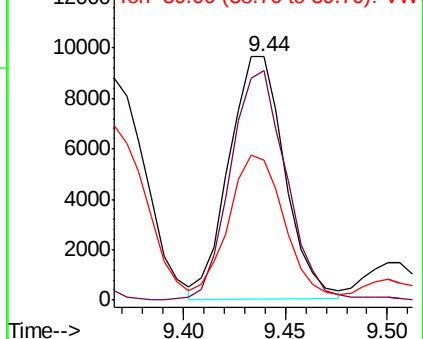
41 100

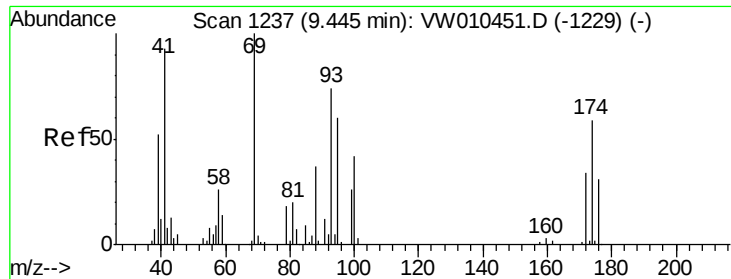
69 94.9 77.6 116.4

39 54.9 49.8 74.8



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





#49

1,4-Dioxane

Concen: 326.769 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

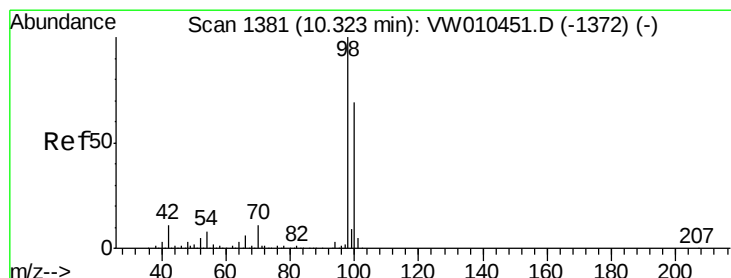
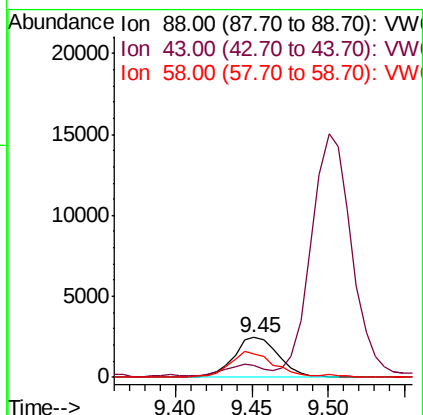
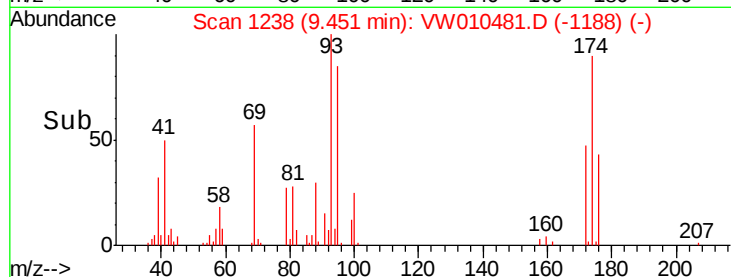
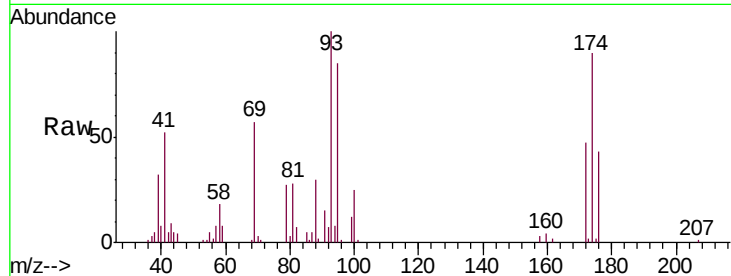
Tgt Ion: 88 Resp: 4964

Ion Ratio Lower Upper

88 100

43 27.9 25.9 38.9

58 65.1 52.7 79.1



#50

Toluene-d8

Concen: 53.767 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010481.D

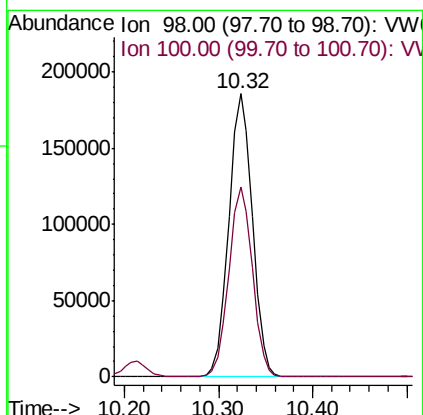
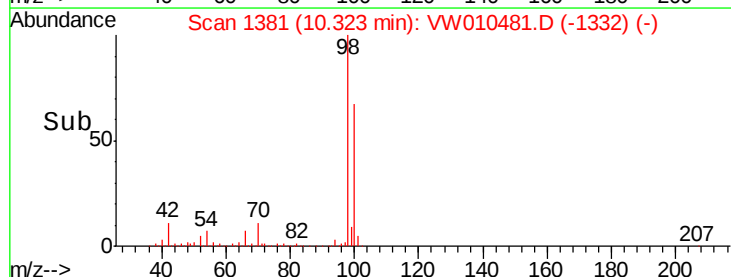
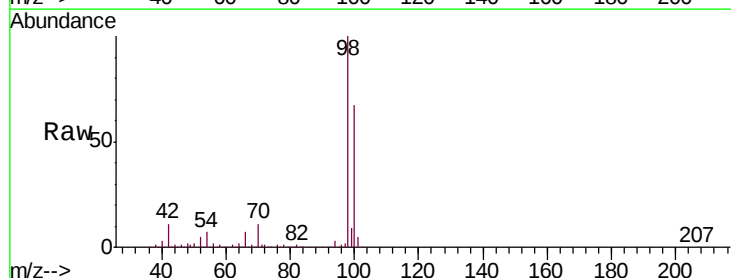
Acq: 21 May 2019 12:25

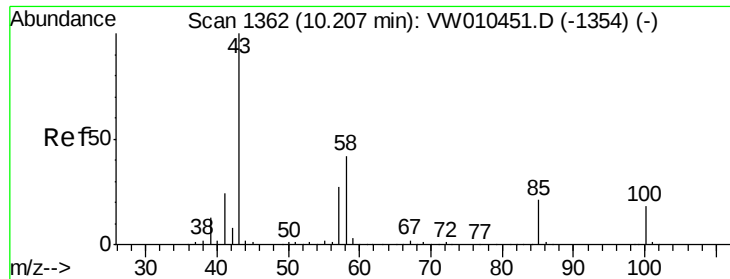
Tgt Ion: 98 Resp: 322290

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5

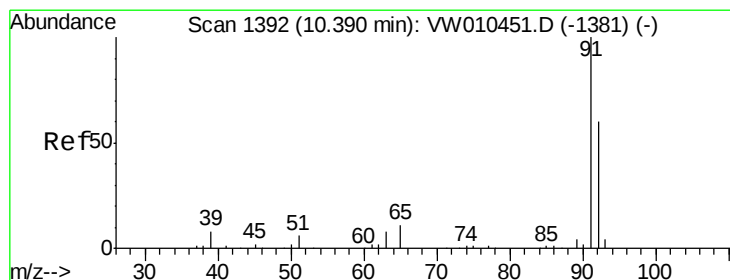
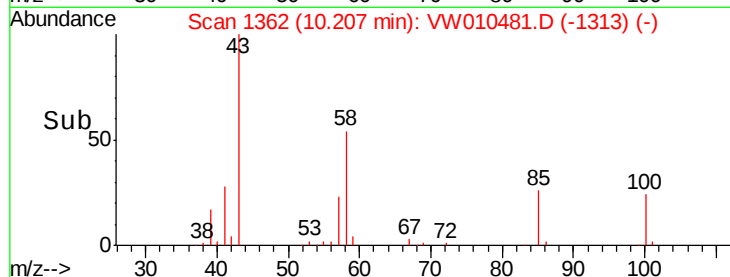
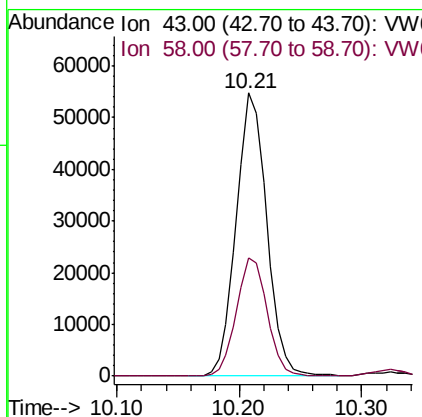
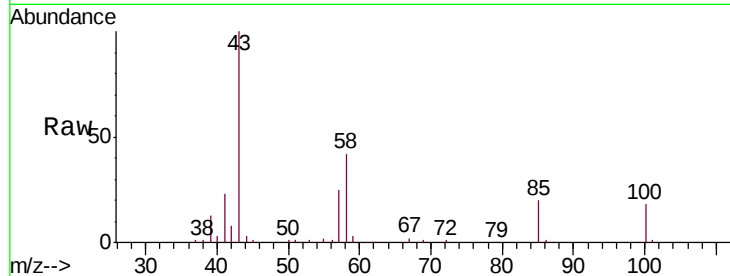




#51
 4-Methyl-2-Pentanone
 Concen: 91.786 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

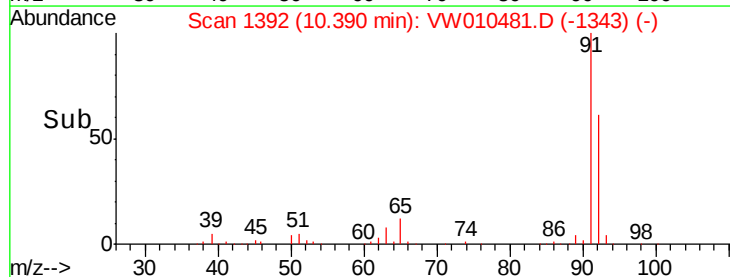
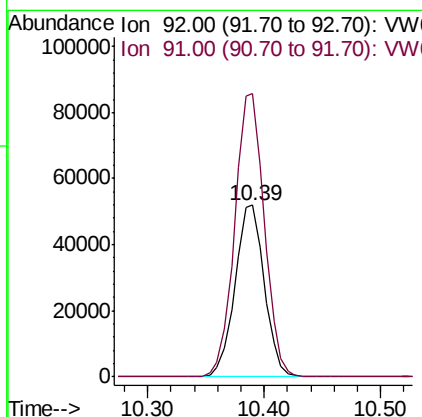
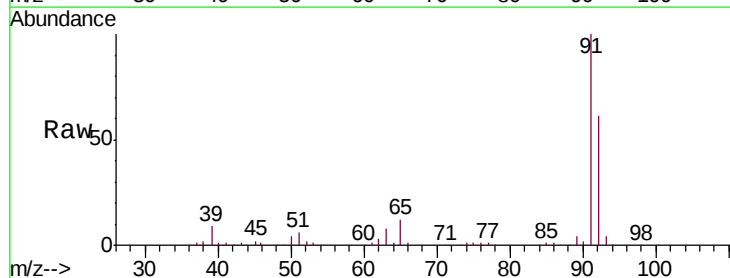
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

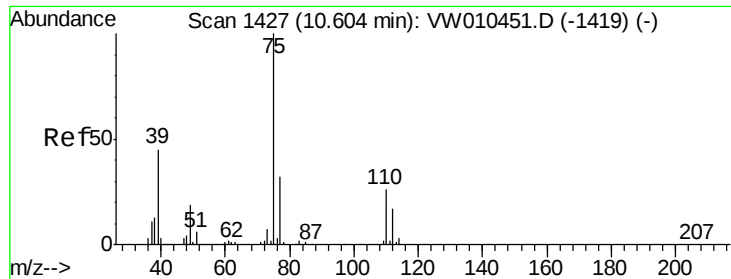
Tgt Ion: 43 Resp: 95181
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.2 49.8



#52
 Toluene
 Concen: 20.299 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 92 Resp: 91273
 Ion Ratio Lower Upper
 92 100
 91 166.4 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 19.471 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

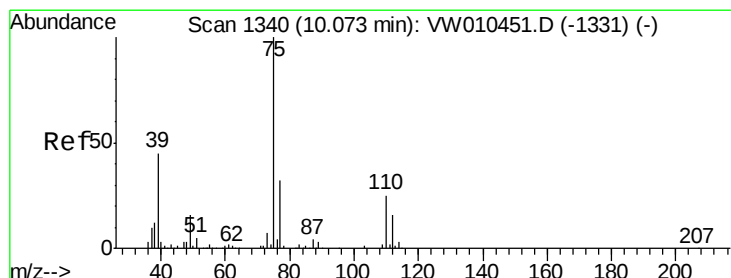
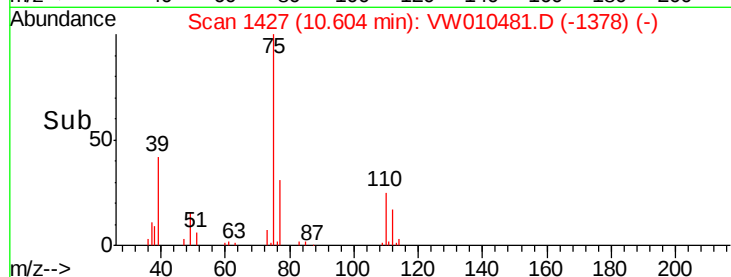
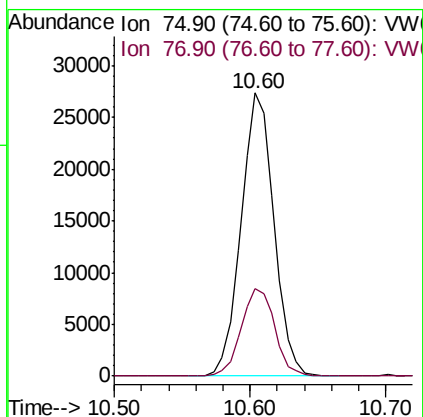
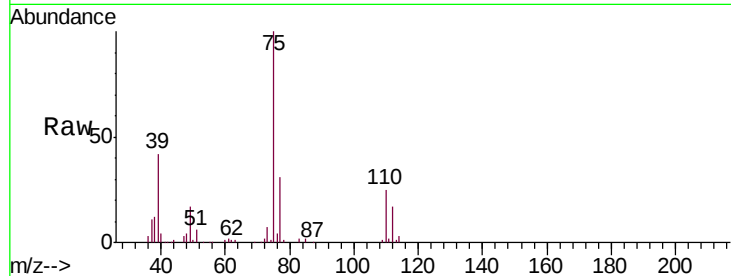
VW0521SBSD01

Tgt Ion: 75 Resp: 46083

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.020 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

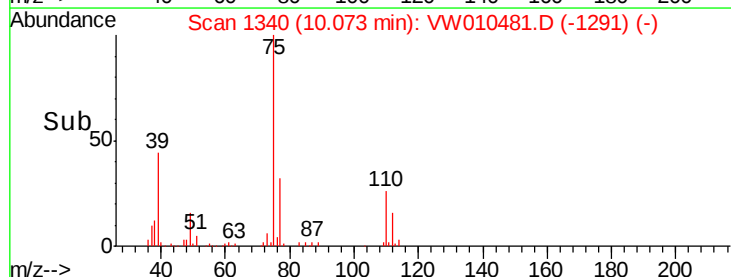
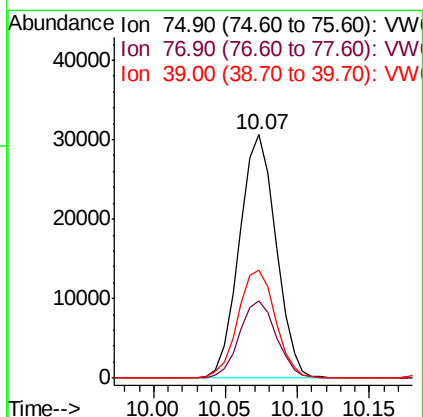
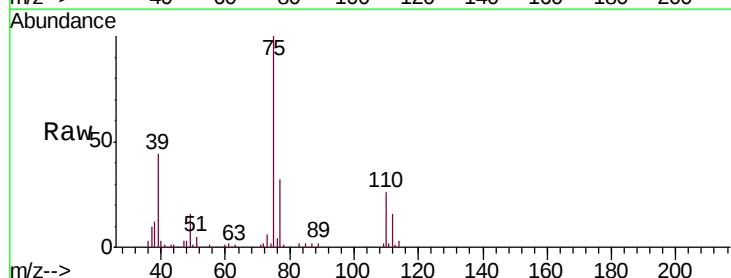
Tgt Ion: 75 Resp: 54113

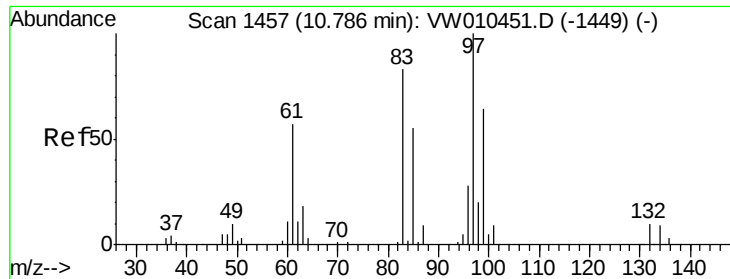
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 44.1 36.2 54.4

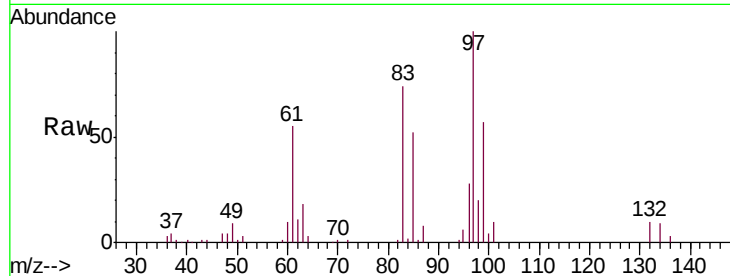




#55
 1,1,2-Trichloroethane
 Concen: 20.112 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

Tgt Ion:	97	Resp:	26895
Ion	Ratio	Lower	Upper
97	100		
83	74.5	66.1	99.1
85	52.5	44.2	66.4
99	57.1	51.1	76.7



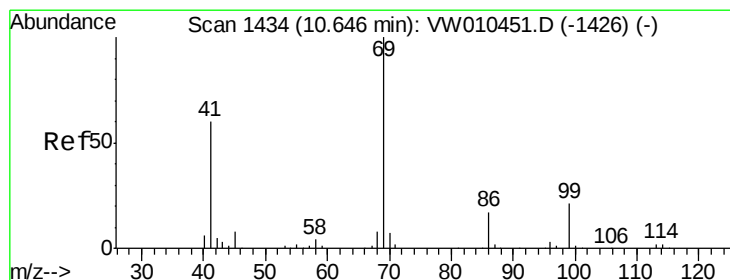
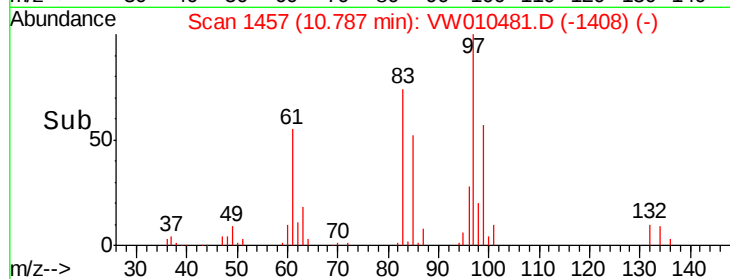
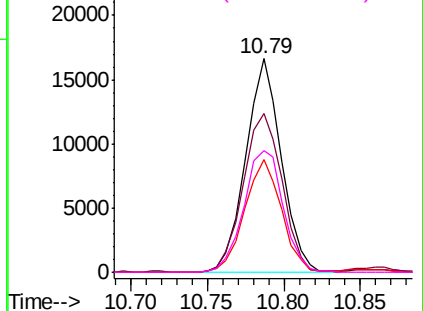
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

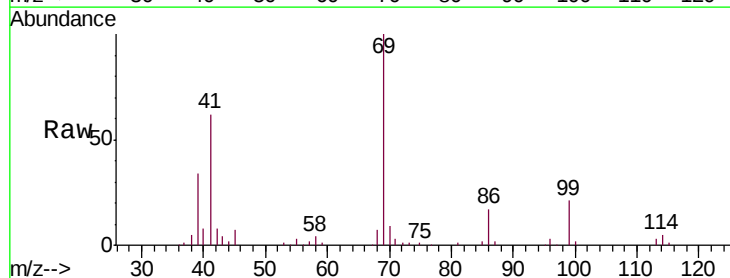
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 18.868 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion:	69	Resp:	34799
Ion	Ratio	Lower	Upper
69	100		
41	60.0	47.7	71.5
39	32.1	25.3	37.9

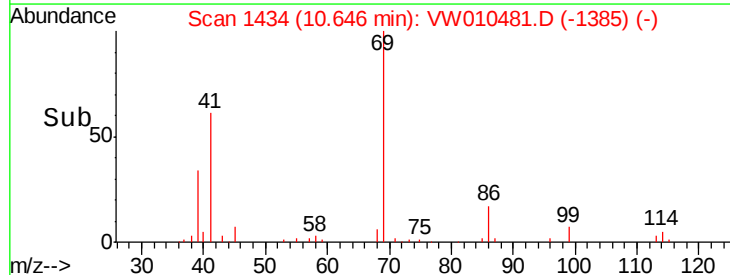
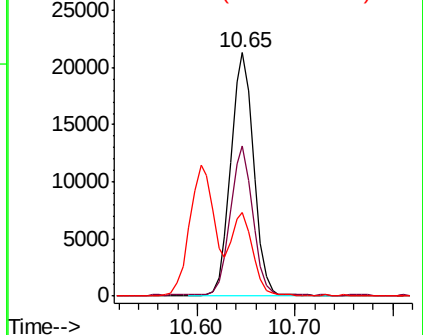


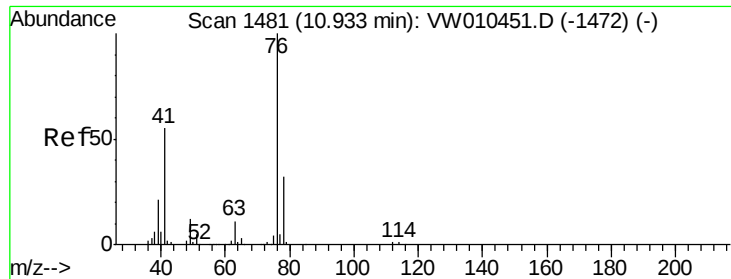
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

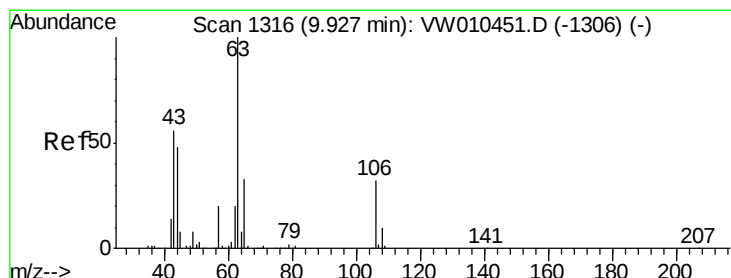
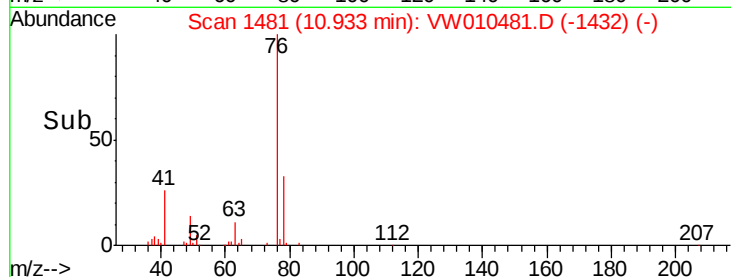
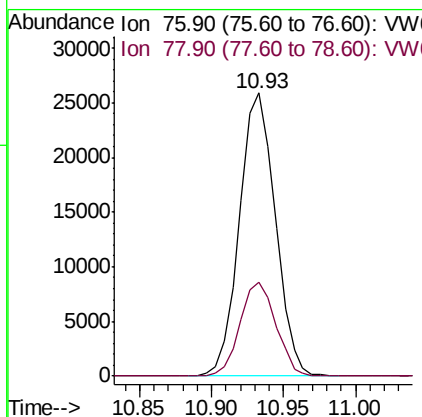
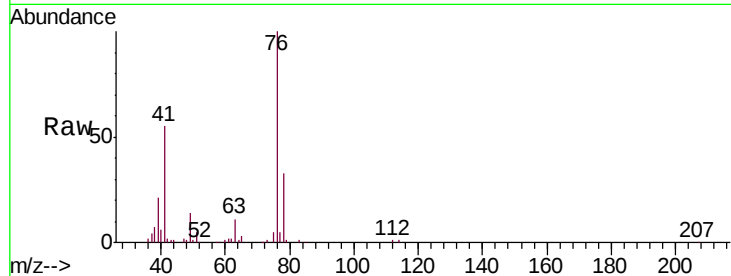




#57
 1,3-Dichloropropane
 Concen: 19.999 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

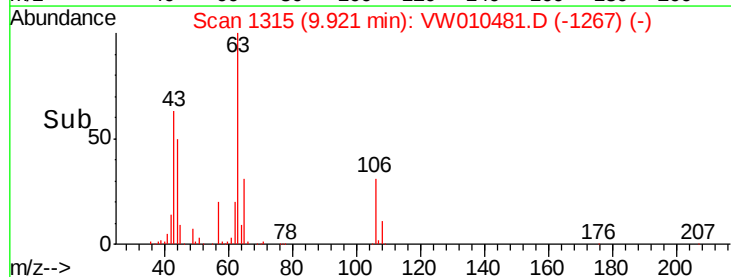
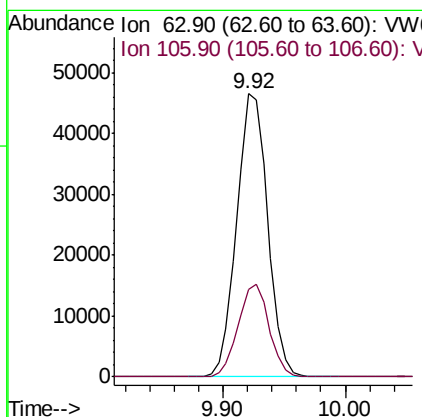
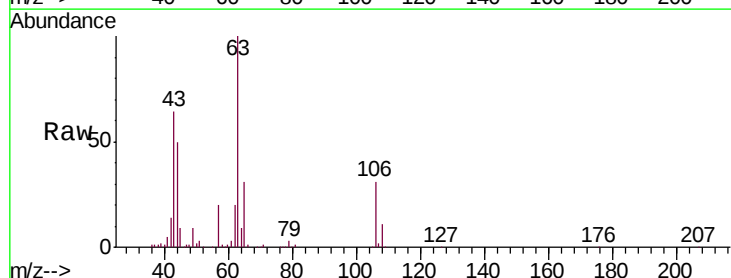
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

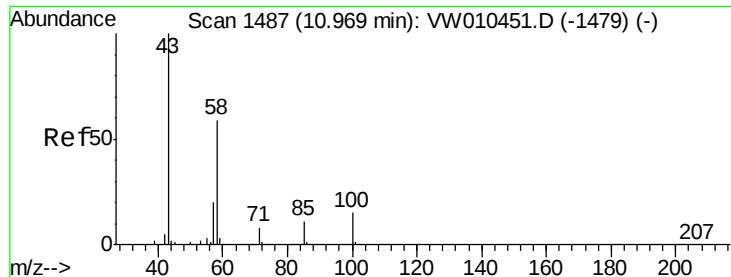
Tgt Ion: 76 Resp: 44799
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.063 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 63 Resp: 81741
 Ion Ratio Lower Upper
 63 100
 106 32.6 25.8 38.6

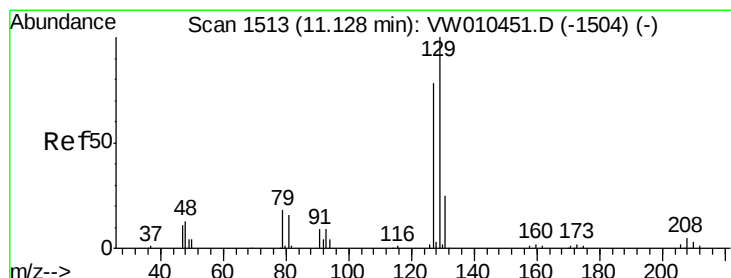
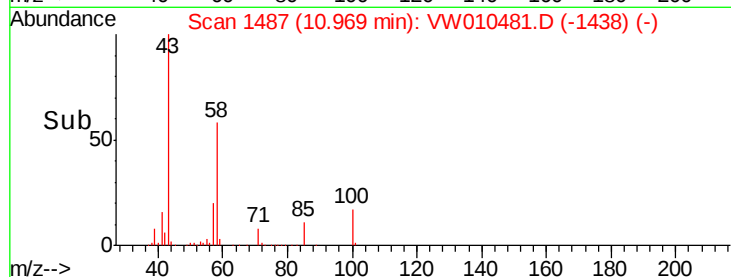
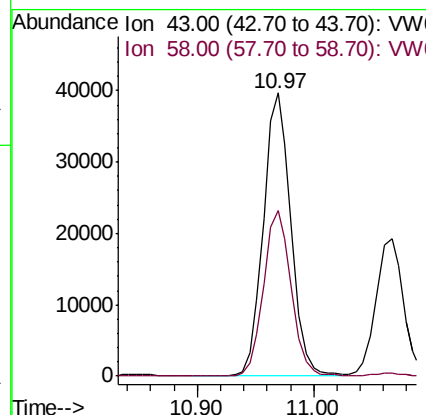
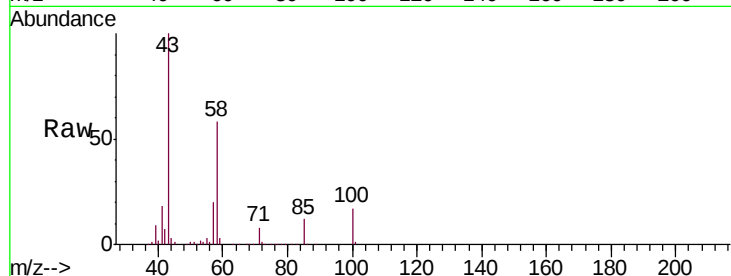




#59
2-Hexanone
Concen: 88.406 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

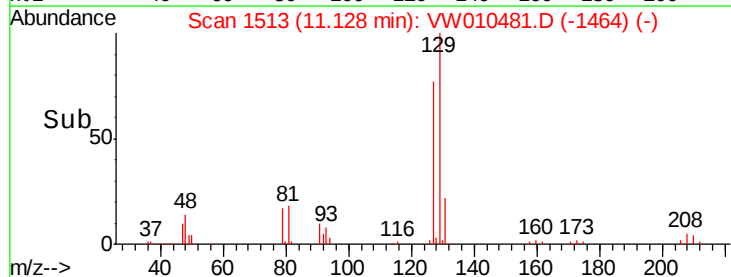
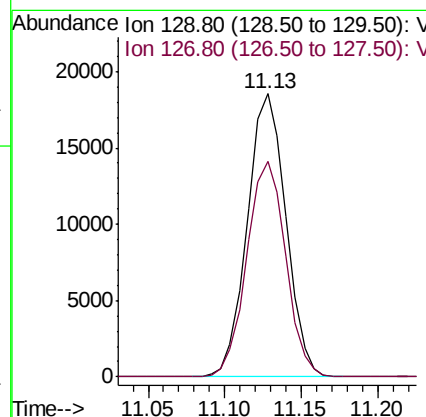
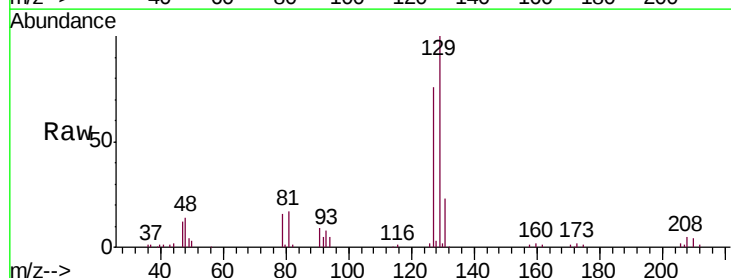
Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

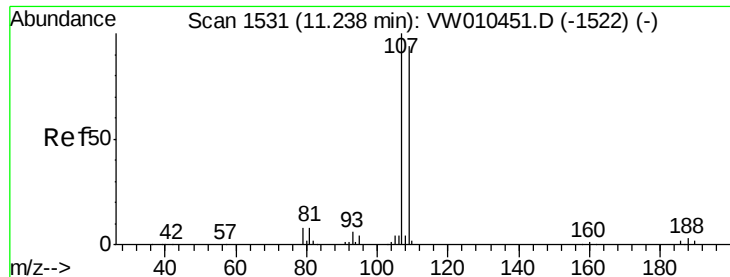
Tgt Ion: 43 Resp: 65397
Ion Ratio Lower Upper
43 100
58 58.7 28.9 86.8



#60
Dibromochloromethane
Concen: 19.265 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion: 129 Resp: 32604
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7

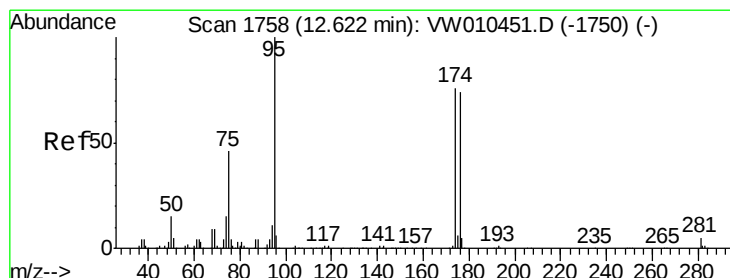
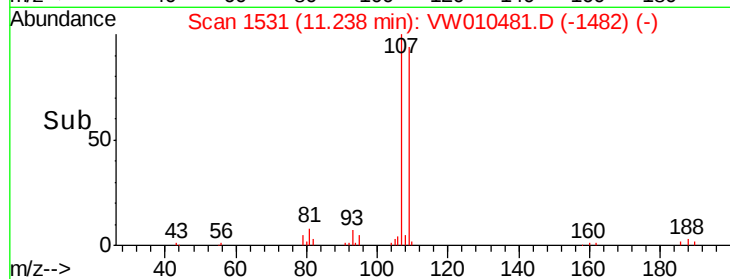
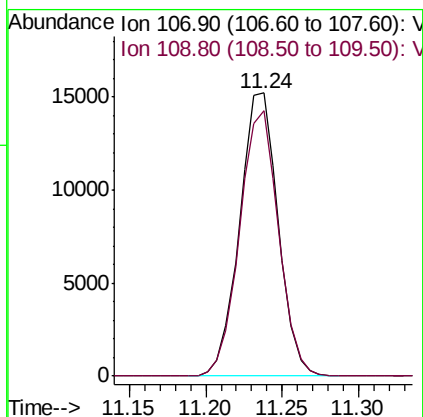
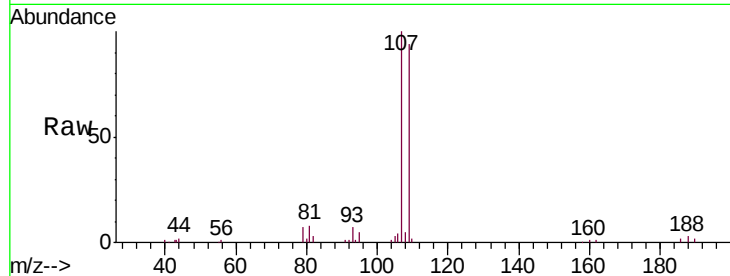




#61
 1,2-Dibromoethane
 Concen: 19.652 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

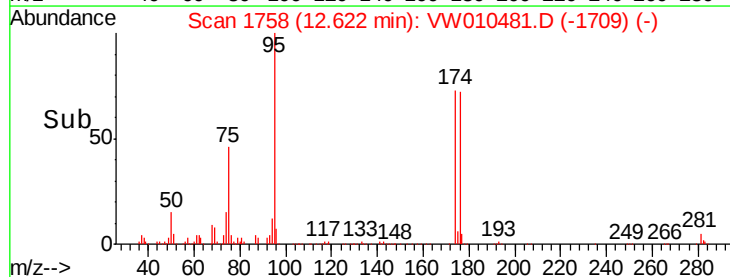
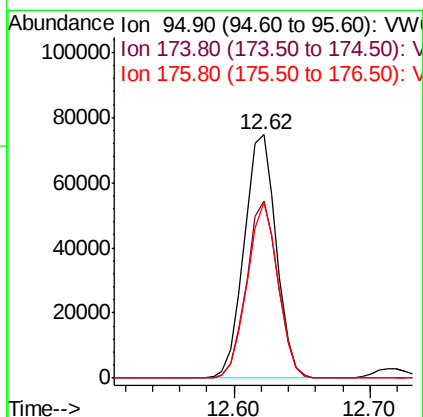
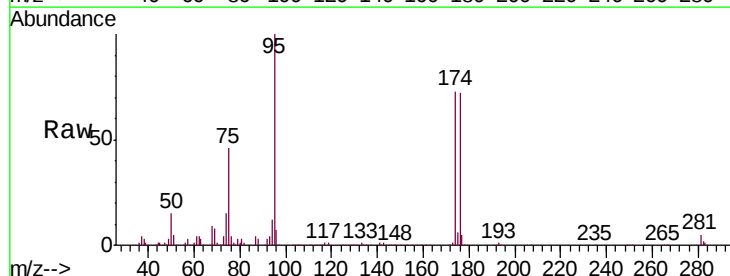
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

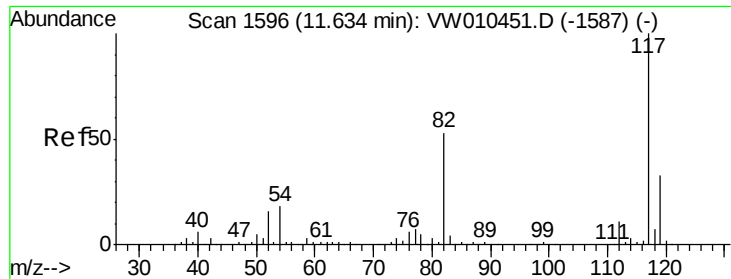
Tgt Ion: 107 Resp: 26621
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.669 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 95 Resp: 123363
 Ion Ratio Lower Upper
 95 100
 174 71.3 0.0 148.6
 176 69.8 0.0 144.2

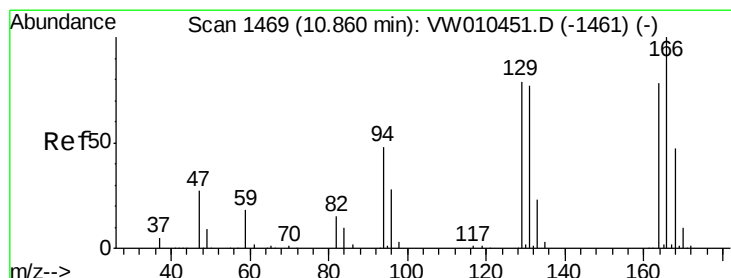
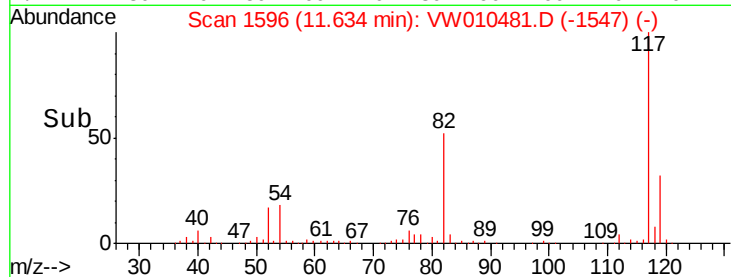
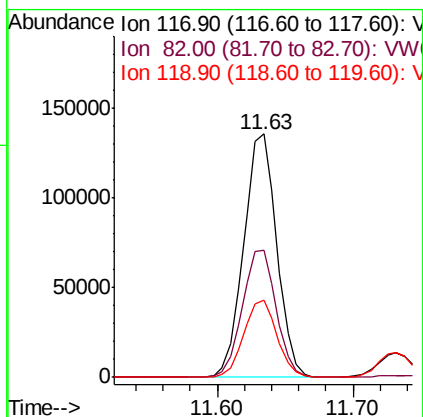
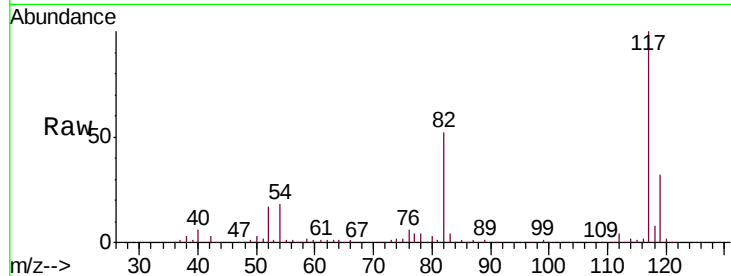




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

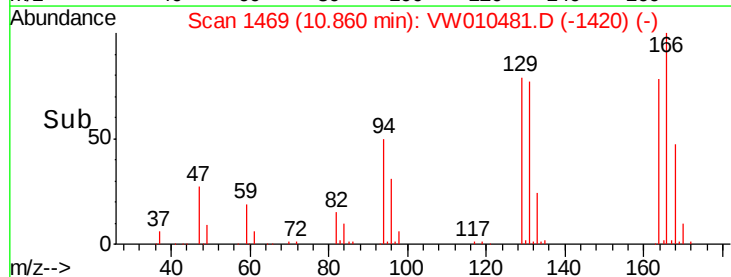
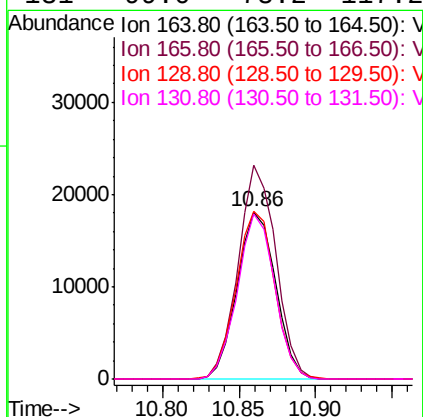
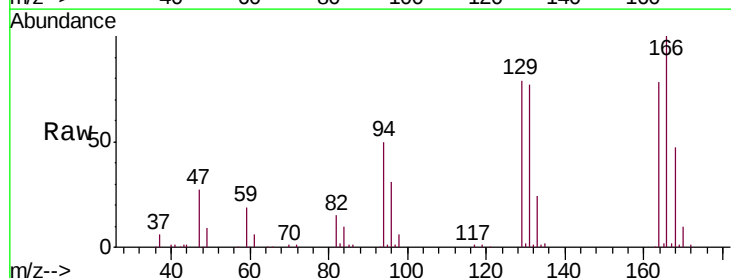
Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

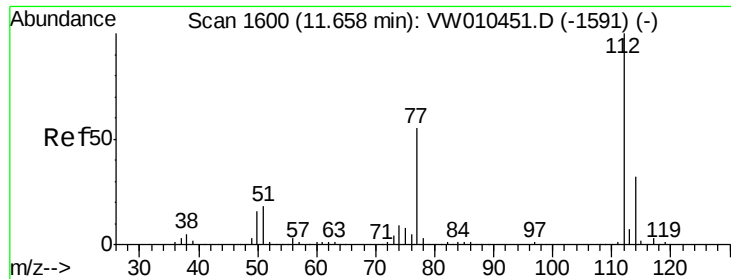
Tgt Ion:117 Resp: 230797
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 31.6 26.3 39.5



#64
Tetrachloroethene
Concen: 19.714 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion:164 Resp: 31718
Ion Ratio Lower Upper
164 100
166 128.2 101.9 152.9
129 100.9 80.6 121.0
131 99.0 78.2 117.2

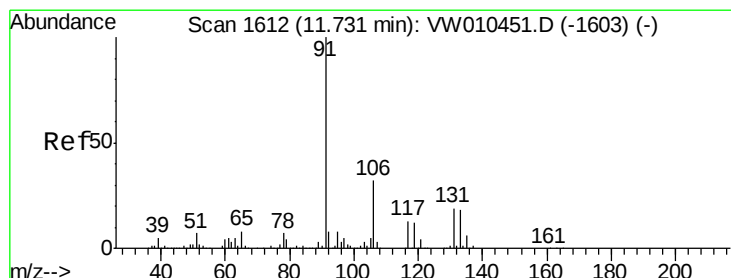
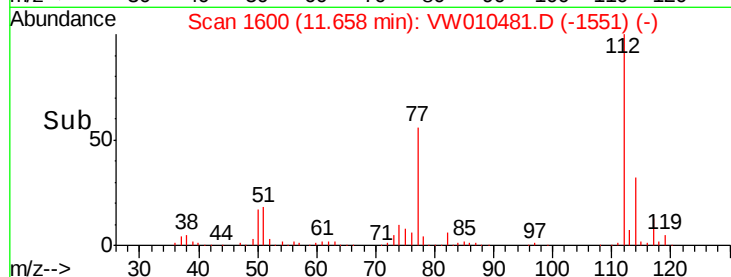
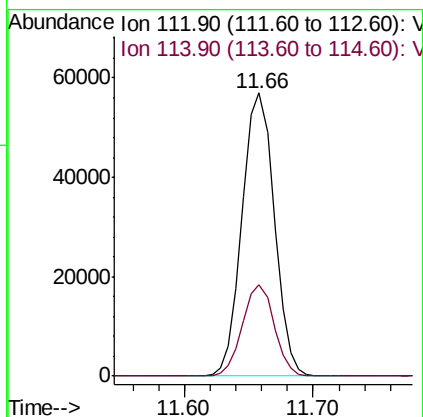
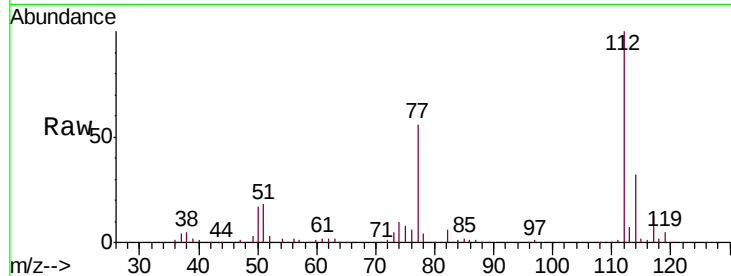




#65
Chlorobenzene
Concen: 20.056 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

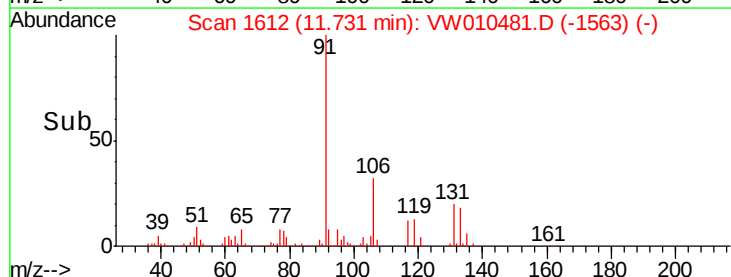
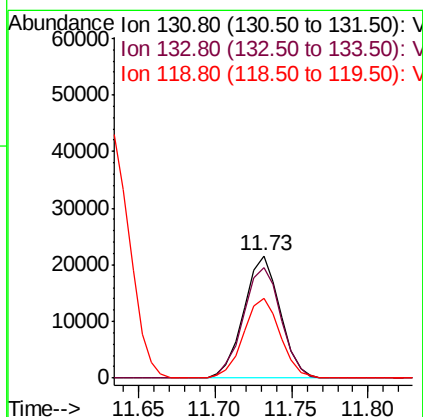
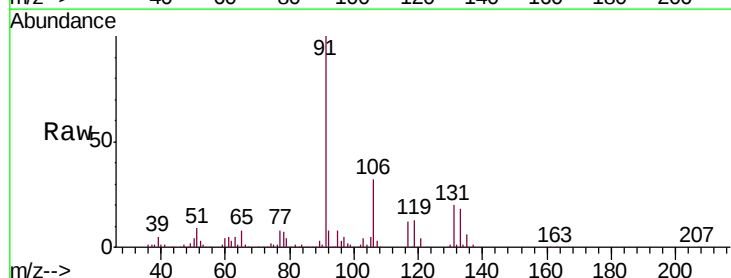
Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

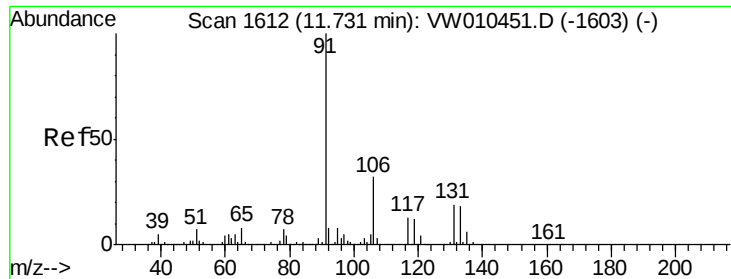
Tgt Ion:112 Resp: 98653
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.240 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion:131 Resp: 35664
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.9
119 66.0 32.1 96.5

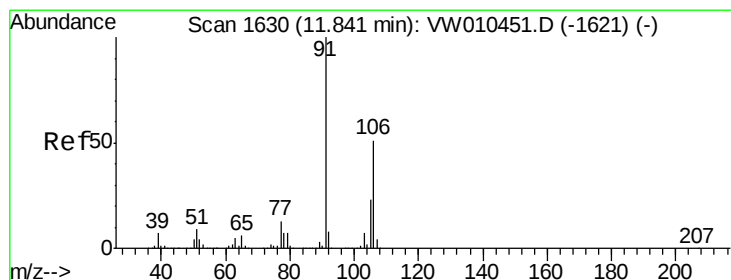
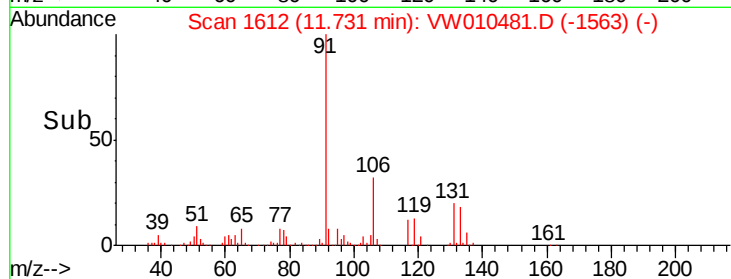
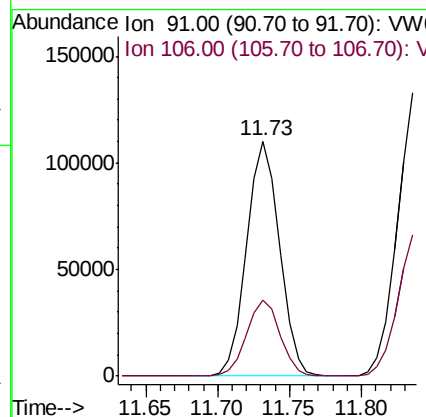
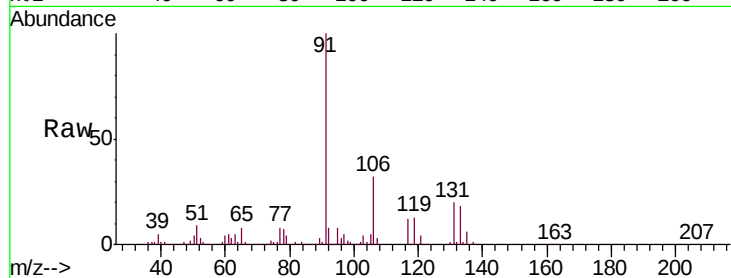




#67
Ethyl Benzene
Concen: 20.045 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

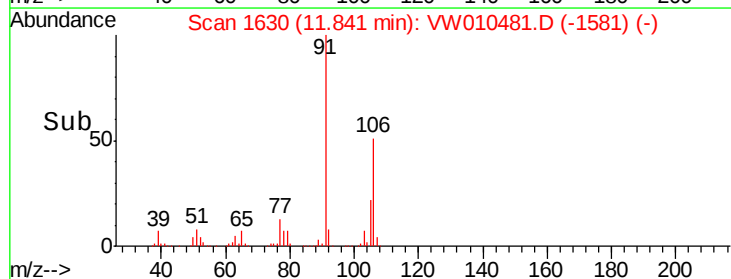
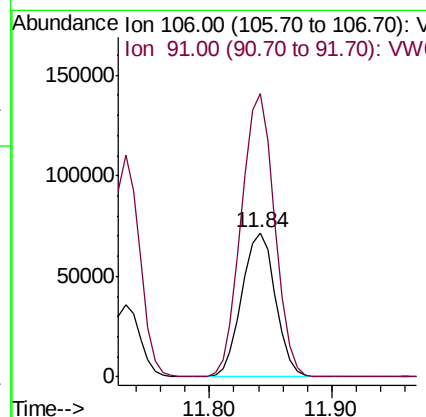
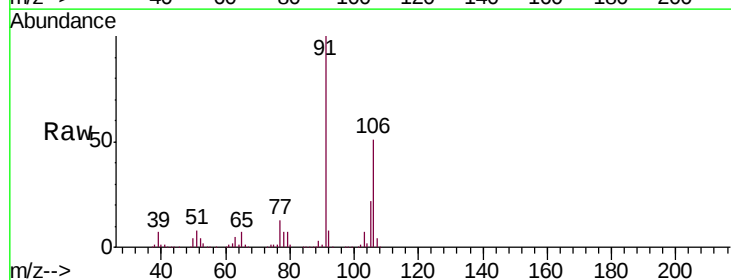
Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

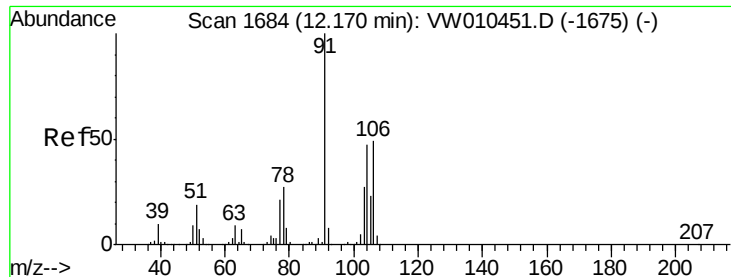
Tgt Ion: 91 Resp: 174075
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9



#68
m/p-Xylenes
Concen: 40.060 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion: 106 Resp: 136455
Ion Ratio Lower Upper
106 100
91 194.5 156.0 234.0

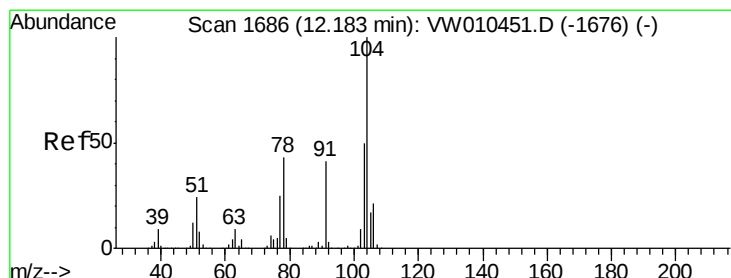
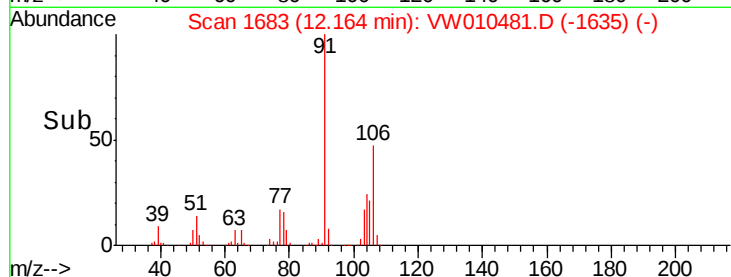
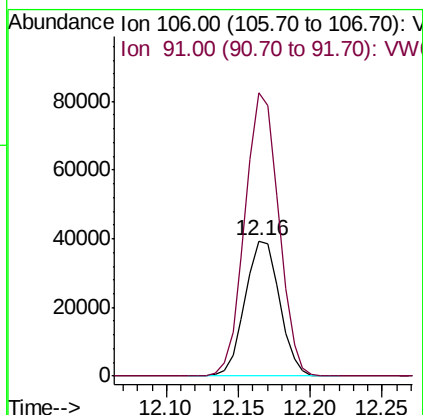
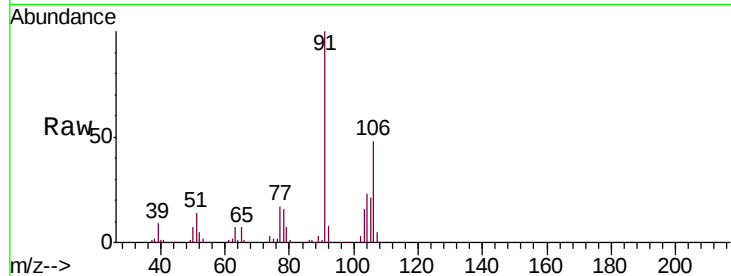




#69
o-Xylene
Concen: 20.215 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

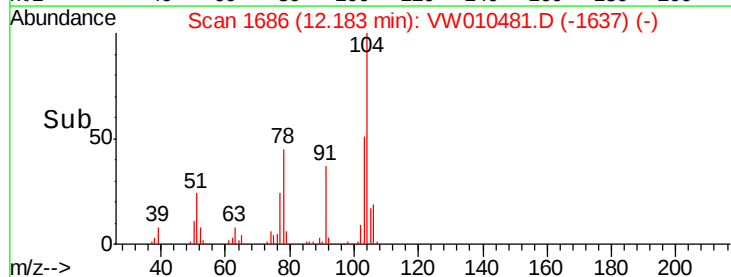
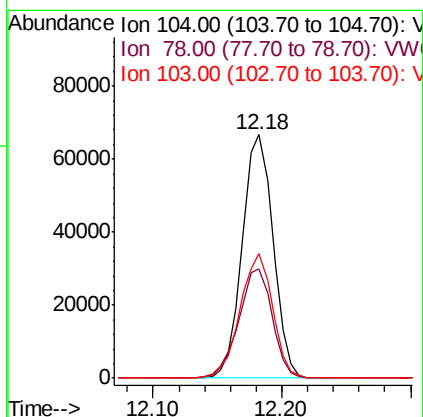
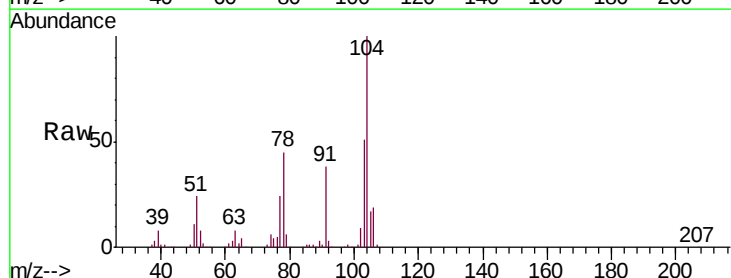
Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

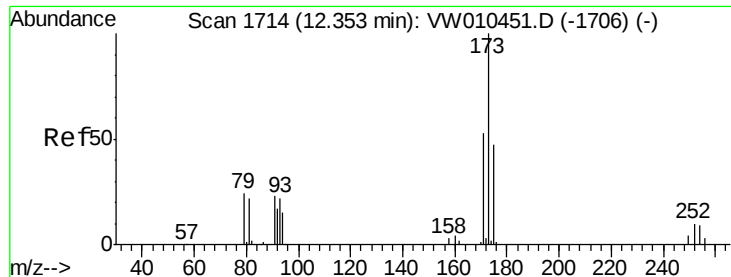
Tgt Ion:106 Resp: 65240
Ion Ratio Lower Upper
106 100
91 205.6 103.2 309.4



#70
Styrene
Concen: 20.170 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion:104 Resp: 110445
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.4
103 53.6 43.0 64.6





#71

Bromoform

Concen: 18.163 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

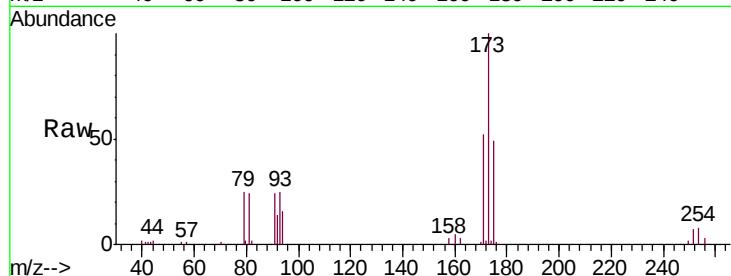
Tgt Ion:173 Resp: 17624

Ion Ratio Lower Upper

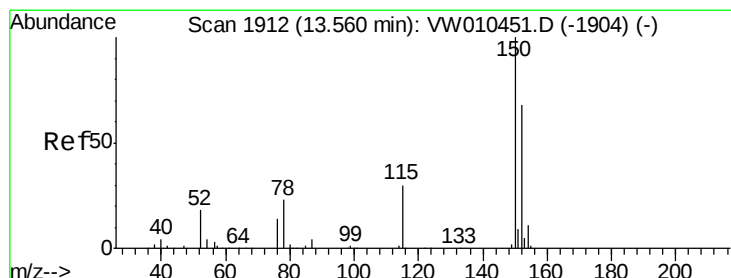
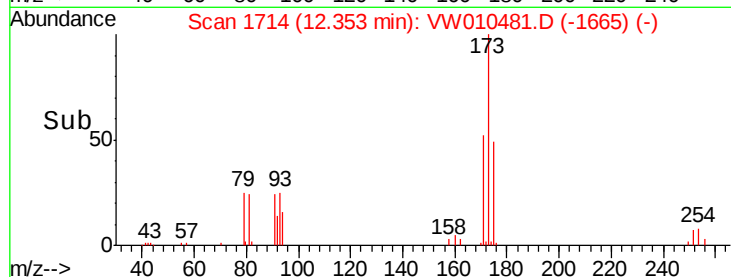
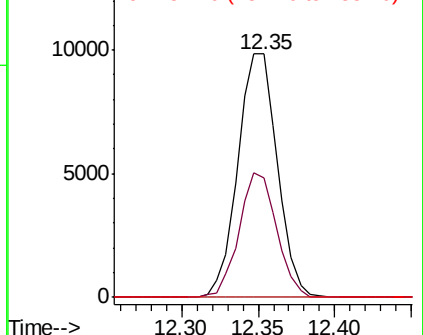
173 100

175 48.8 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: VW010481.D

Acq: 21 May 2019 12:25

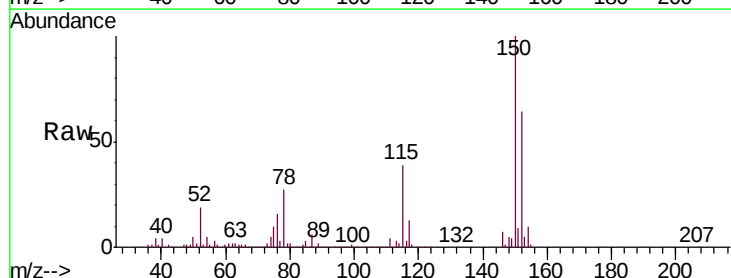
Tgt Ion:152 Resp: 108395

Ion Ratio Lower Upper

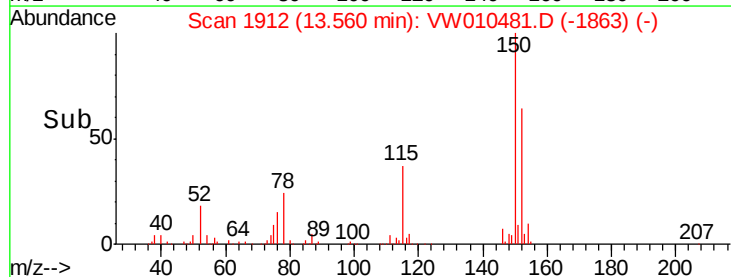
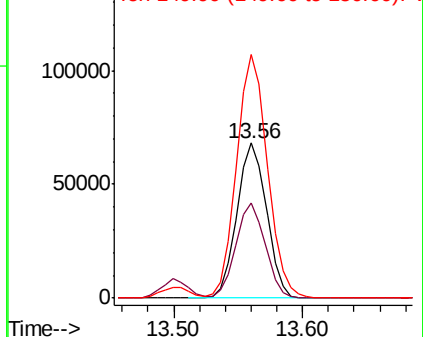
152 100

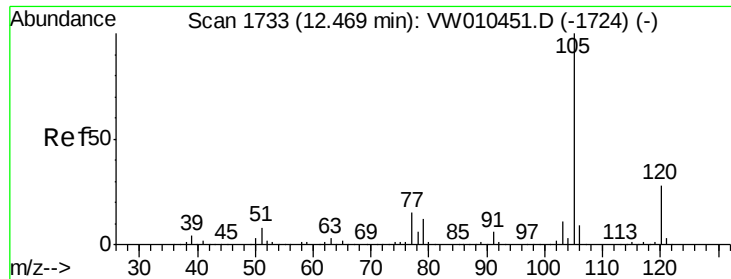
115 60.9 30.3 91.0

150 163.6 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: 20.352 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

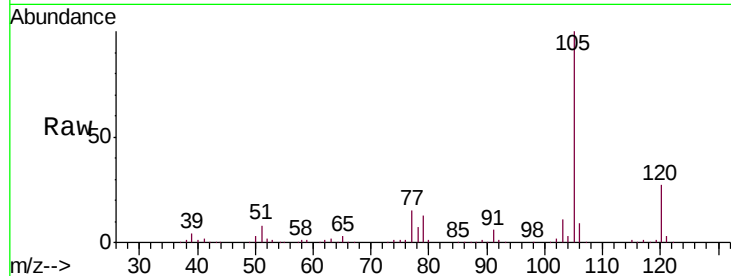
VW0521SBSD01

Tgt Ion: 105 Resp: 175060

Ion Ratio Lower Upper

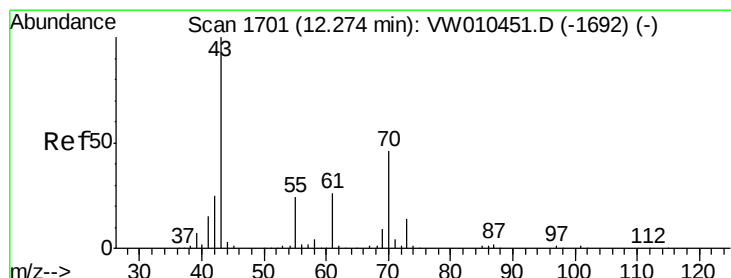
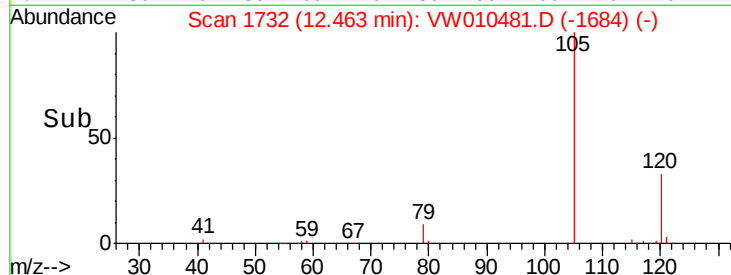
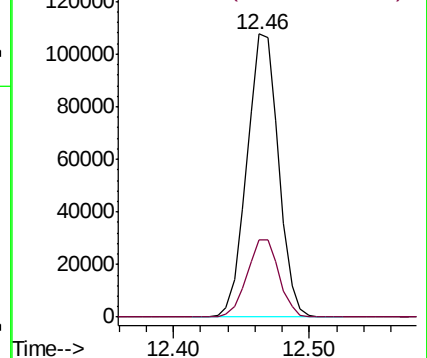
105 100

120 27.6 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.939 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion: 43 Resp: 35360

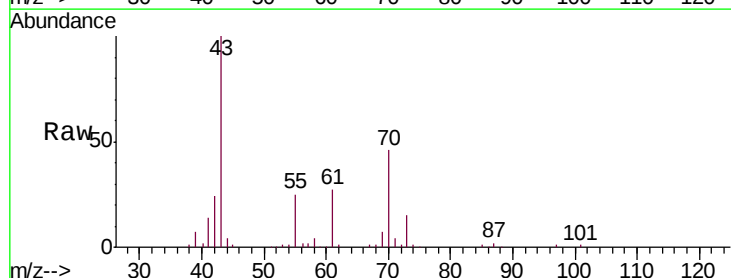
Ion Ratio Lower Upper

43 100

70 48.0 37.1 55.7

55 24.6 19.6 29.4

61 25.8 20.7 31.1

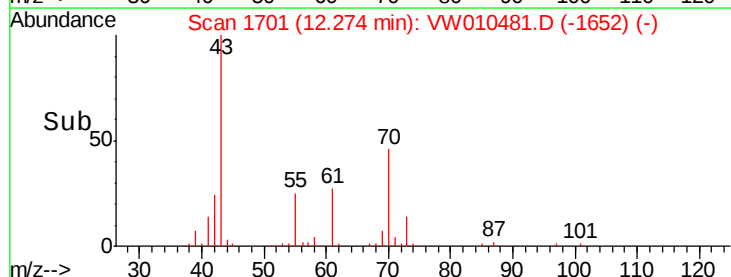
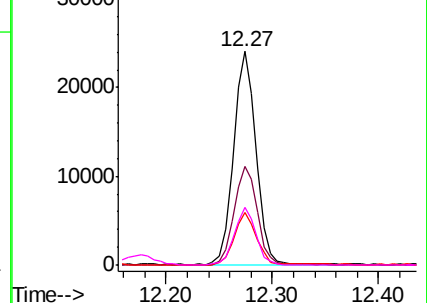


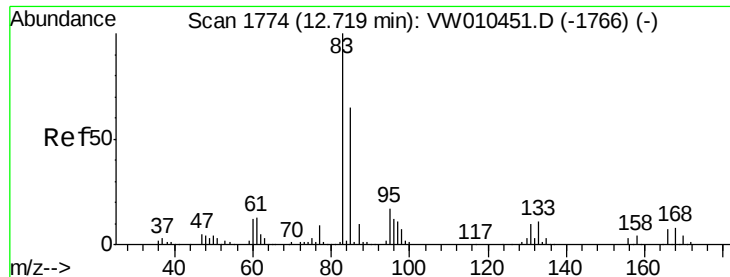
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.168 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

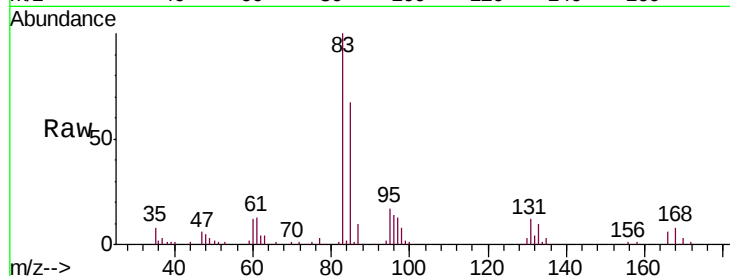
Tgt Ion: 83 Resp: 29988

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

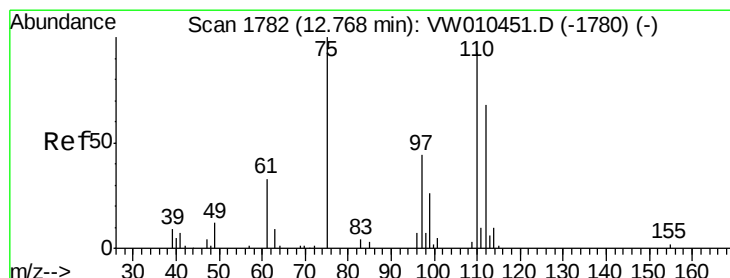
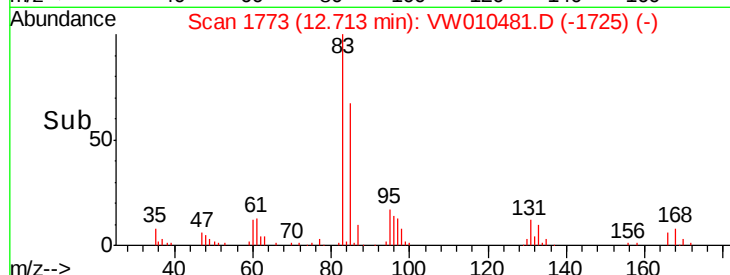
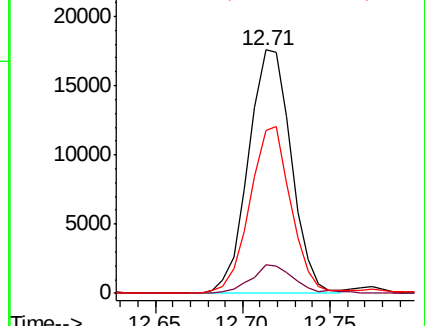
85 65.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.318 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010481.D

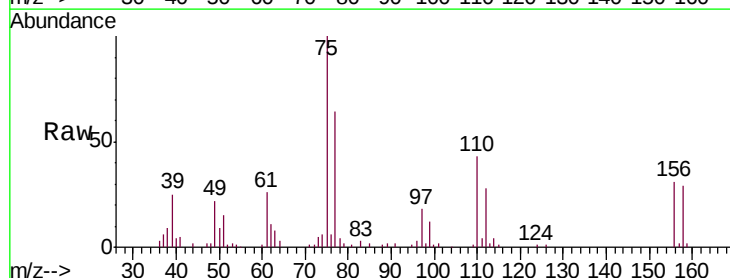
Acq: 21 May 2019 12:25

Tgt Ion: 75 Resp: 38860

Ion Ratio Lower Upper

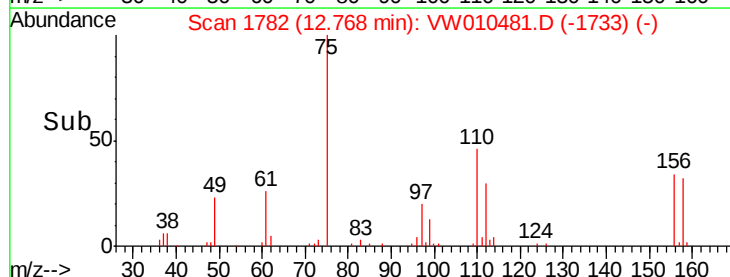
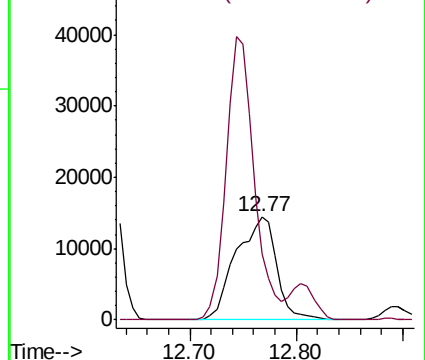
75 100

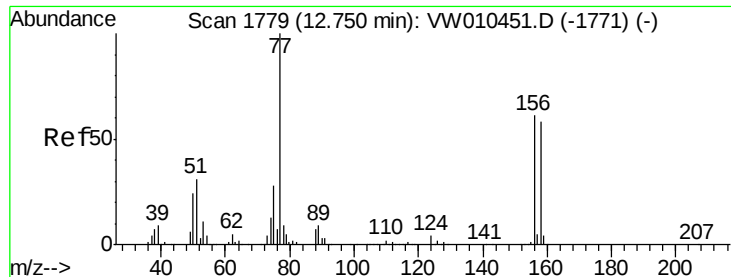
77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.328 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampled :

VW0521SBSD01

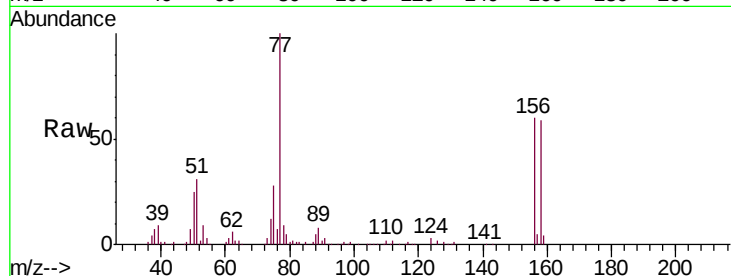
Tgt Ion:156 Resp: 39129

Ion Ratio Lower Upper

156 100

77 187.8 92.4 277.2

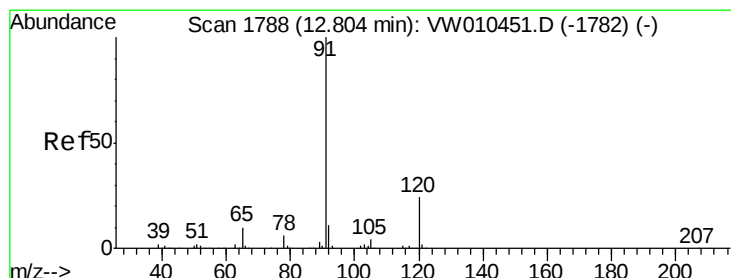
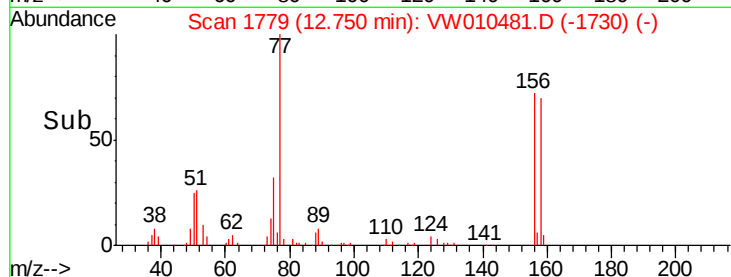
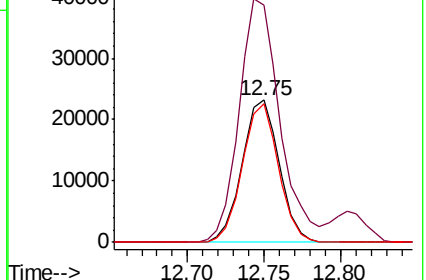
158 94.6 48.3 144.8



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: 20.215 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010481.D

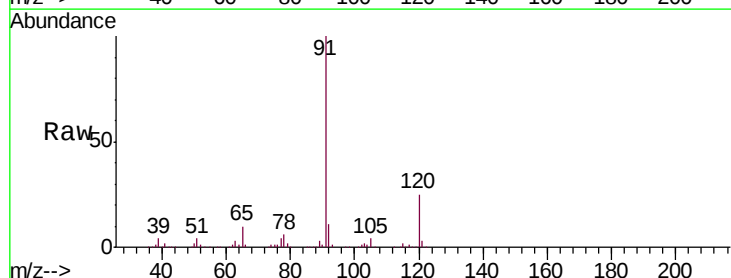
Acq: 21 May 2019 12:25

Tgt Ion: 91 Resp: 202639

Ion Ratio Lower Upper

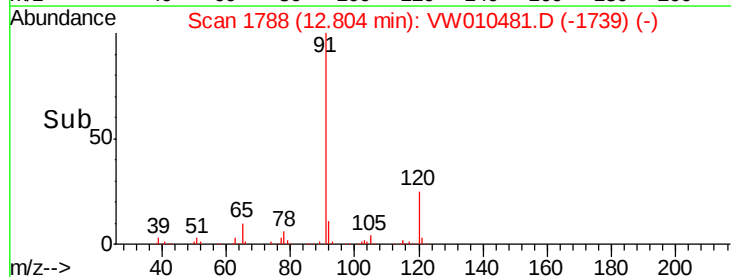
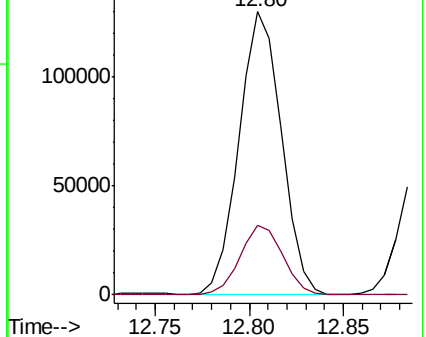
91 100

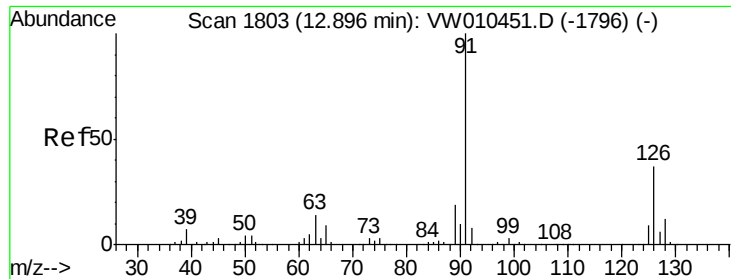
120 24.7 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

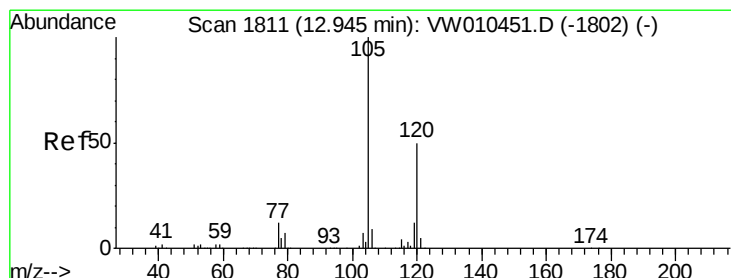
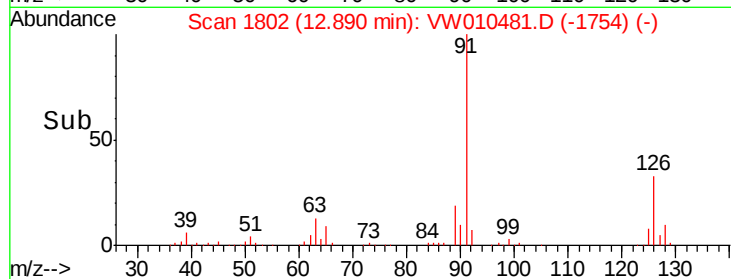
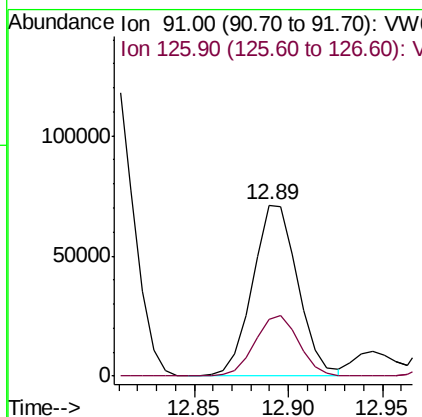
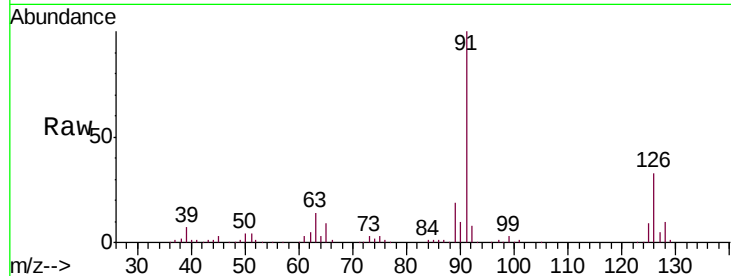




#79
 2-Chlorotoluene
 Concen: 20.289 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

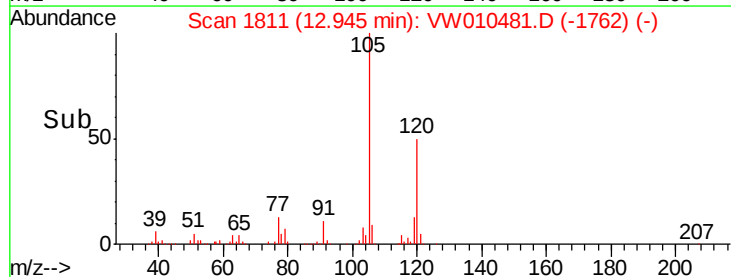
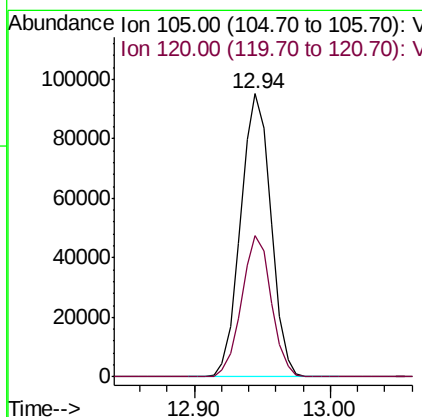
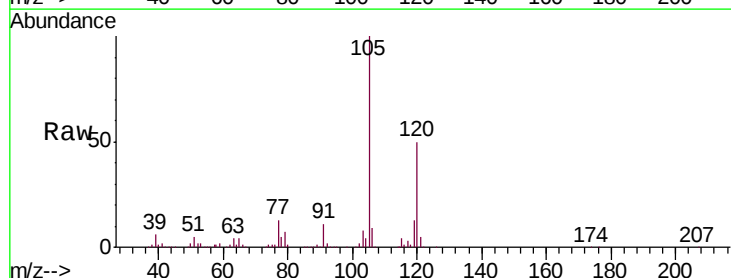
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

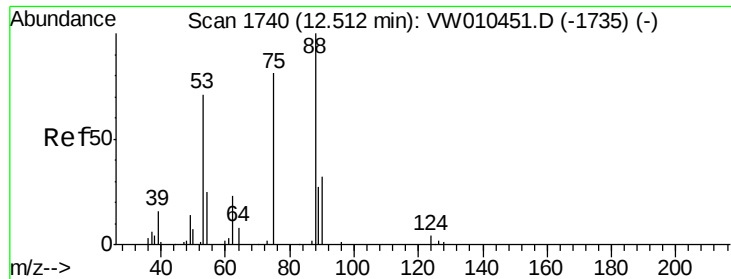
Tgt Ion: 91 Resp: 117941
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.335 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion: 105 Resp: 148142
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.107 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

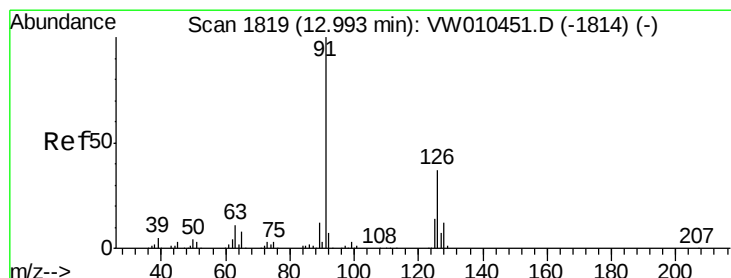
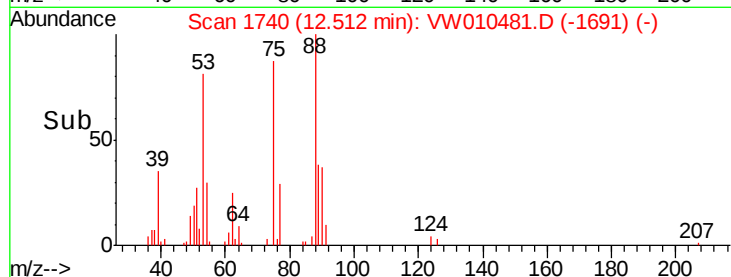
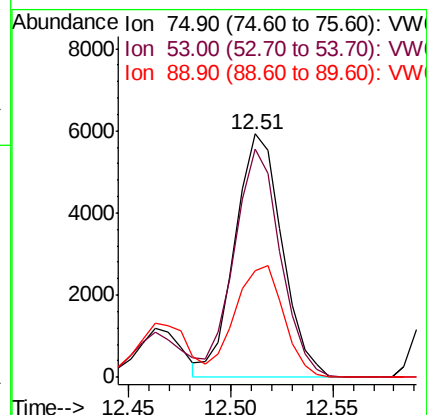
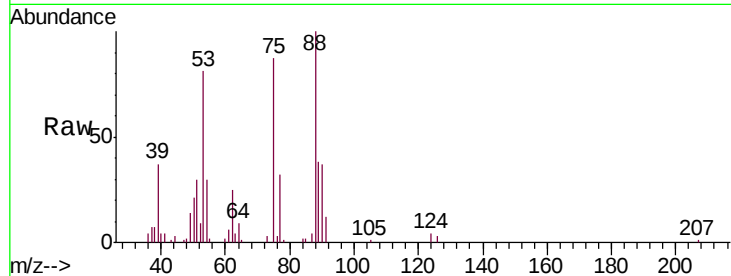
Tgt Ion: 75 Resp: 9546

Ion Ratio Lower Upper

75 100

53 90.9 69.8 104.8

89 47.1 39.5 59.3



#82

4-Chlorotoluene

Concen: 20.365 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW010481.D

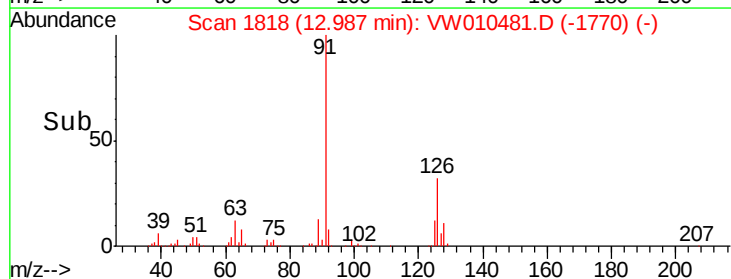
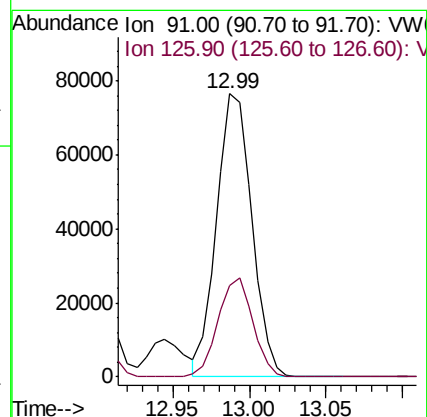
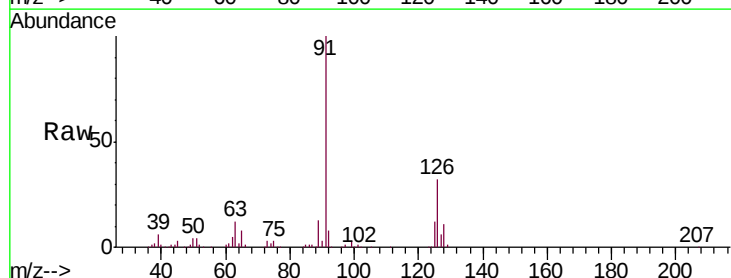
Acq: 21 May 2019 12:25

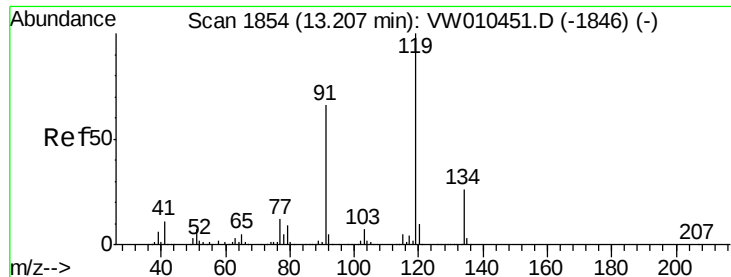
Tgt Ion: 91 Resp: 122879

Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.6

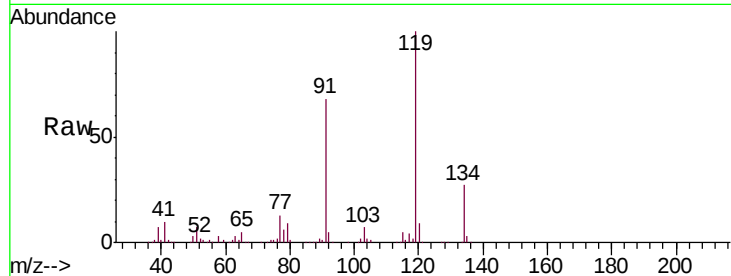




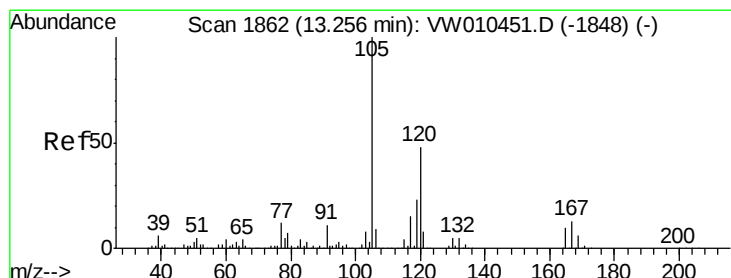
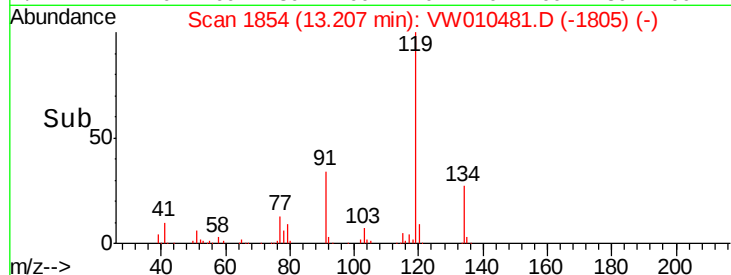
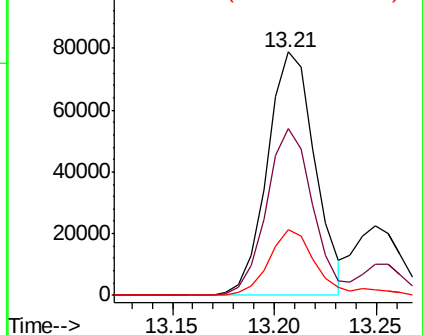
#83
tert-Butylbenzene
Concen: 20.167 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tgt Ion:119 Resp: 128331
Ion Ratio Lower Upper
119 100
91 67.2 33.1 99.5
134 27.5 13.9 41.6

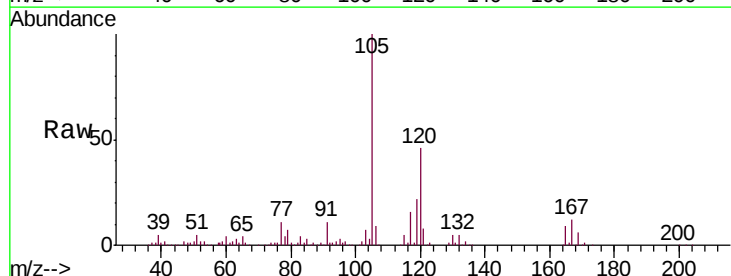


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

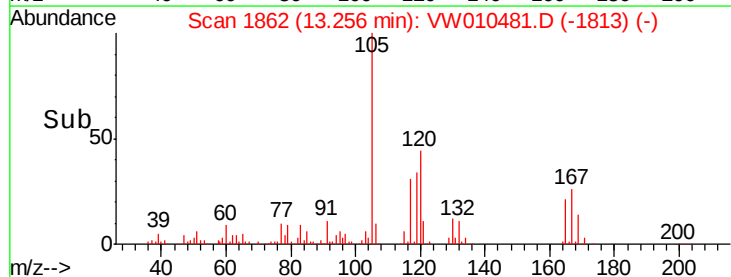
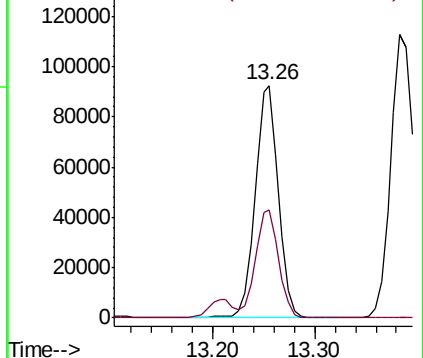


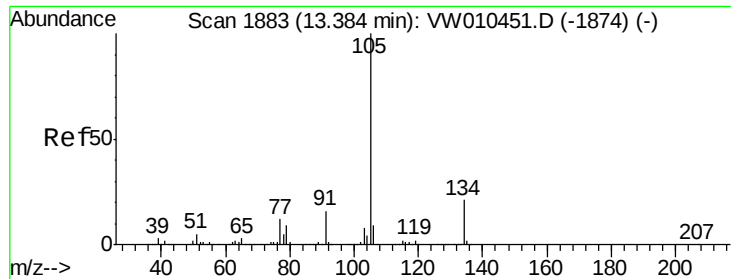
#84
1,2,4-Trimethylbenzene
Concen: 20.153 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion:105 Resp: 146224
Ion Ratio Lower Upper
105 100
120 46.5 23.4 70.2



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

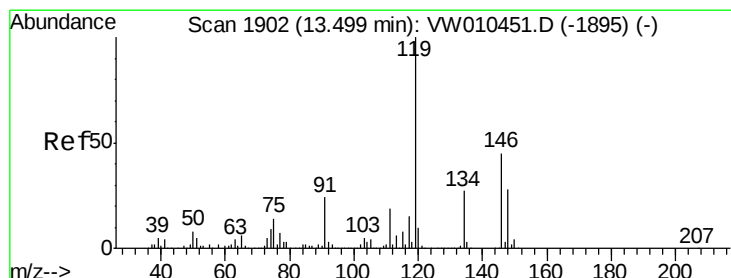
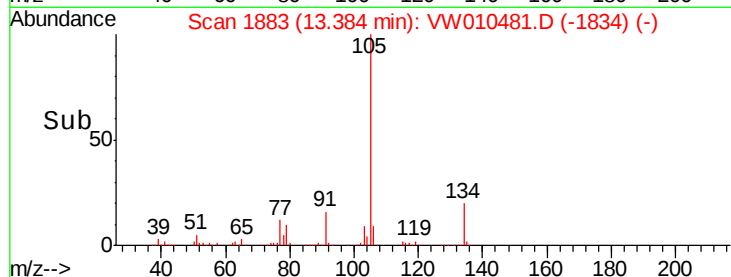
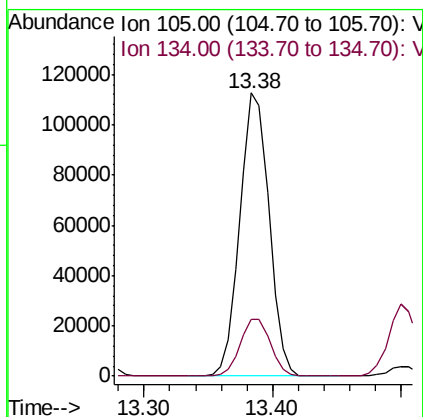
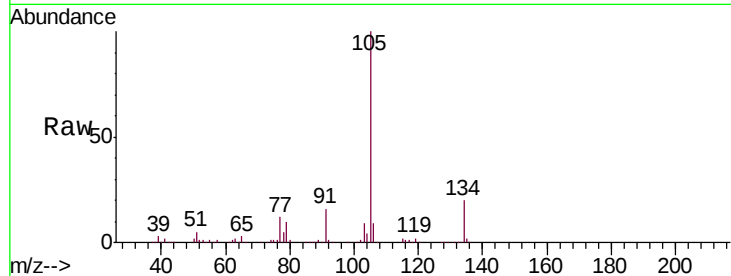




#85
 sec-Butylbenzene
 Concen: 19.812 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

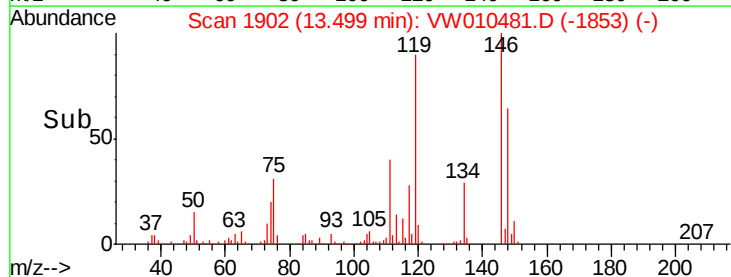
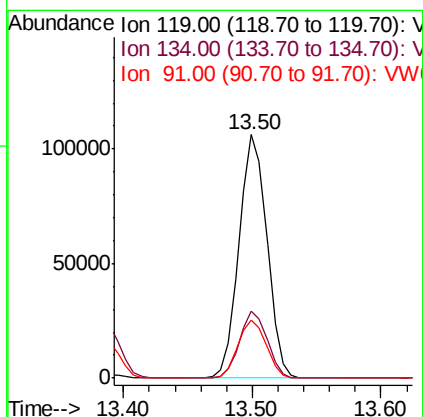
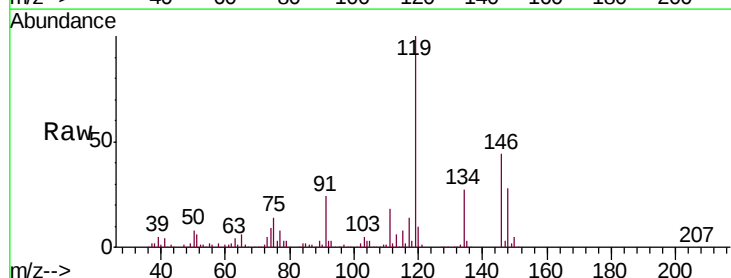
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

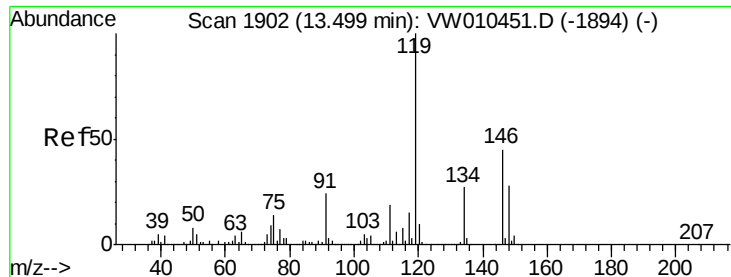
Tgt Ion:105 Resp: 176430
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 19.759 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion:119 Resp: 159263
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.6 40.7
 91 24.4 11.9 35.7

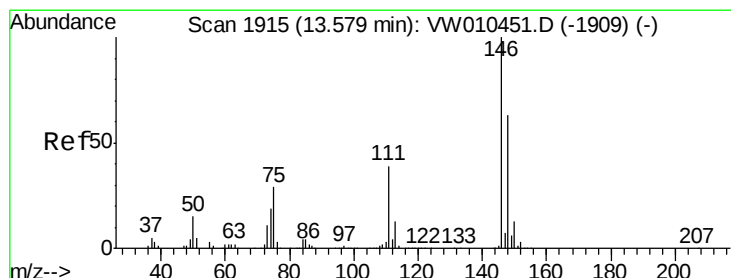
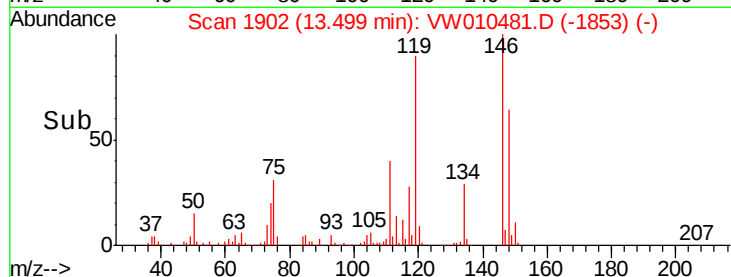
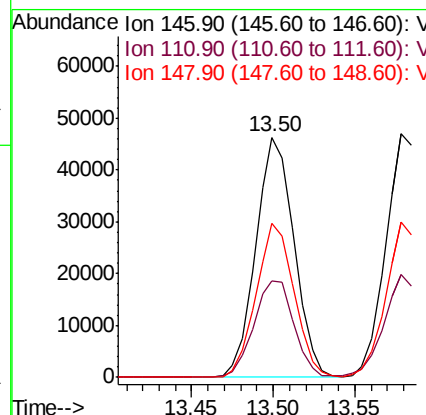
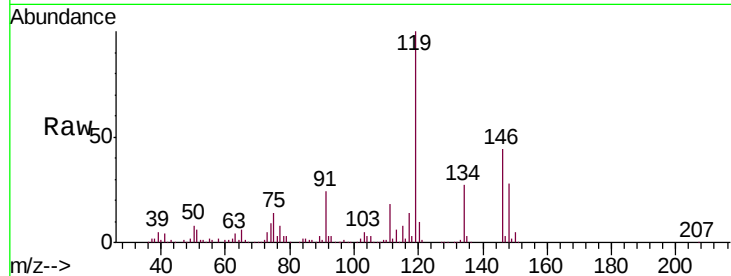




#87
 1,3-Dichlorobenzene
 Concen: 19.972 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

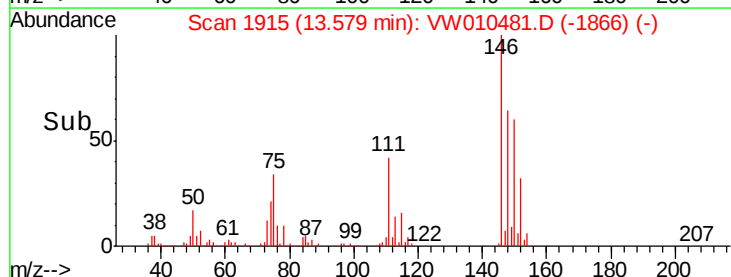
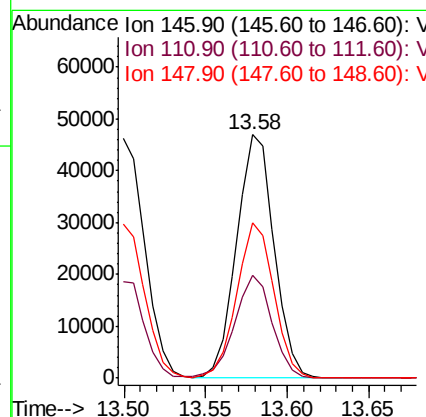
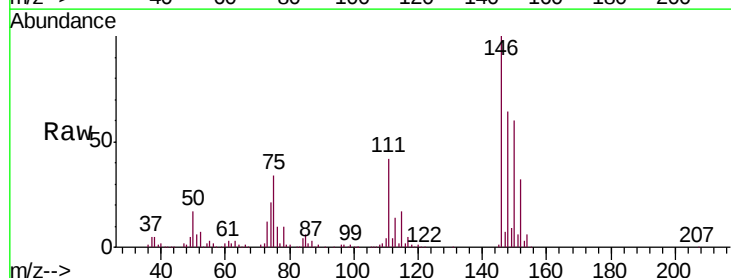
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

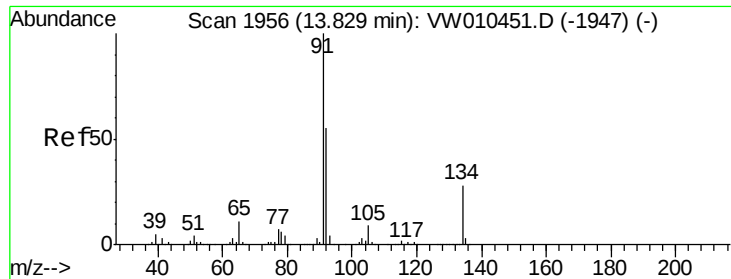
Tgt Ion:146 Resp: 75424
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.3 60.9
 148 63.4 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 19.830 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion:146 Resp: 75134
 Ion Ratio Lower Upper
 146 100
 111 42.4 19.9 59.6
 148 63.3 31.6 94.8





#89

n-Butylbenzene

Concen: 19.619 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

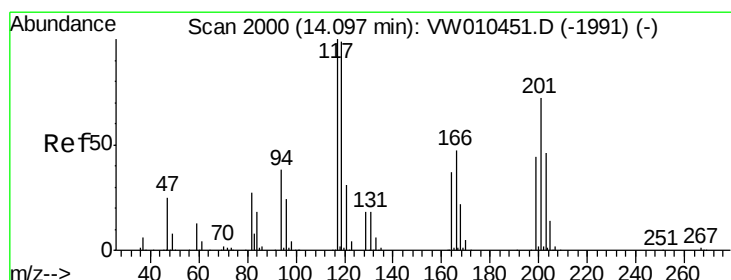
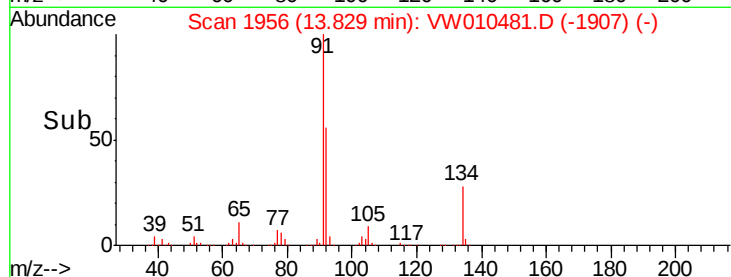
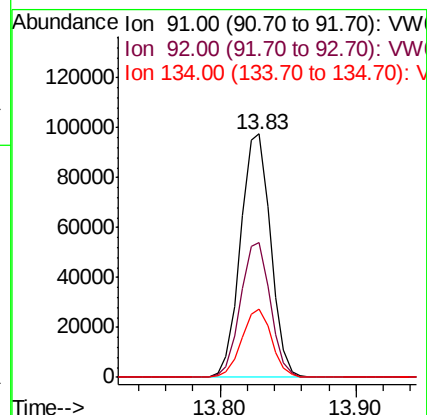
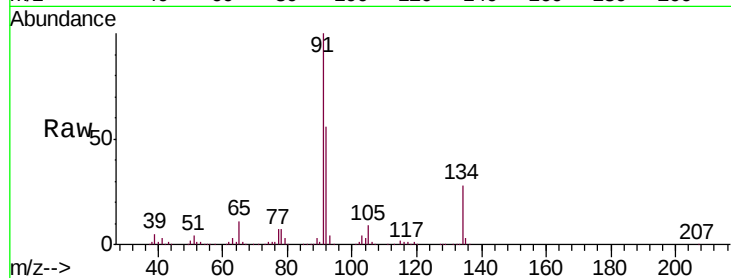
Tgt Ion: 91 Resp: 150418

Ion Ratio Lower Upper

91 100

92 55.0 27.7 83.1

134 27.6 13.9 41.6



#90

Hexachloroethane

Concen: 19.895 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010481.D

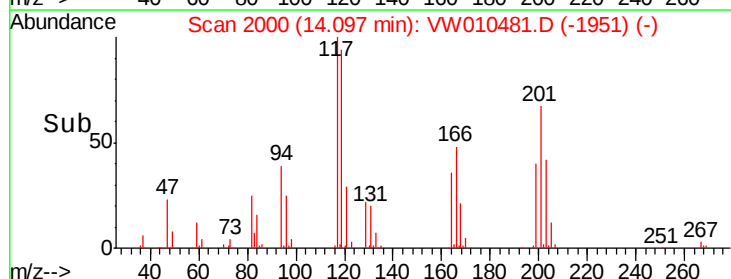
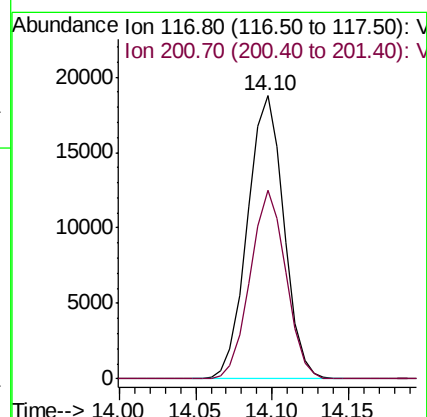
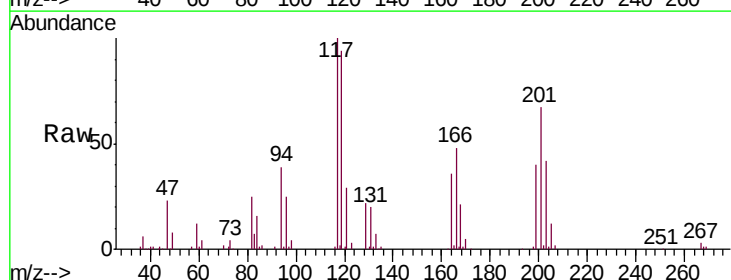
Acq: 21 May 2019 12:25

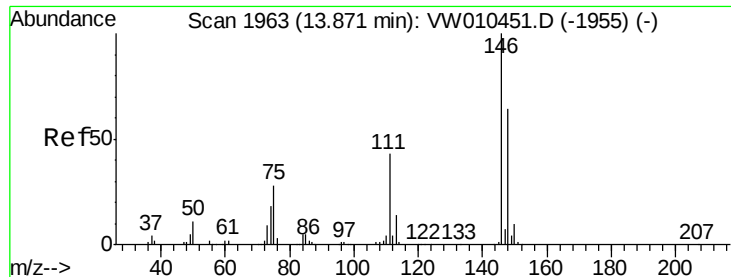
Tgt Ion: 117 Resp: 31040

Ion Ratio Lower Upper

117 100

201 65.3 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 19.927 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

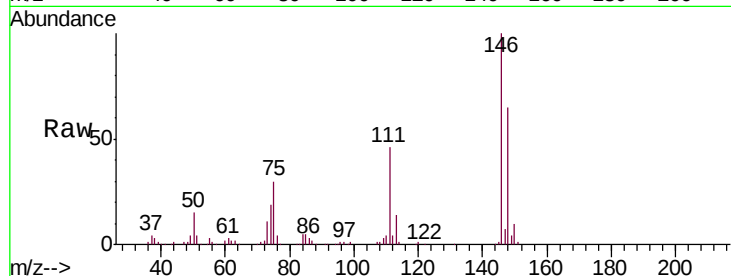
Tgt Ion:146 Resp: 68569

Ion Ratio Lower Upper

146 100

111 43.9 21.3 64.0

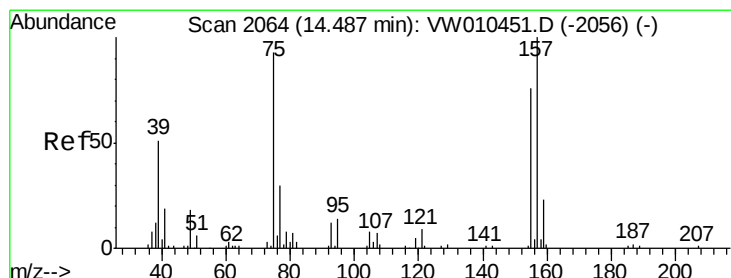
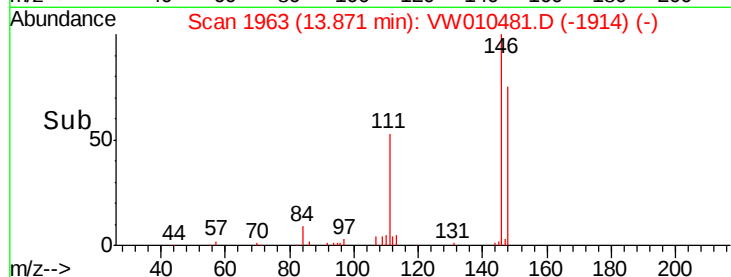
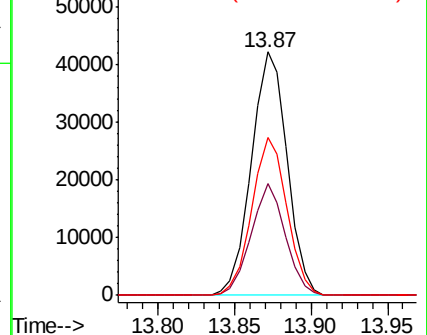
148 63.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.026 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

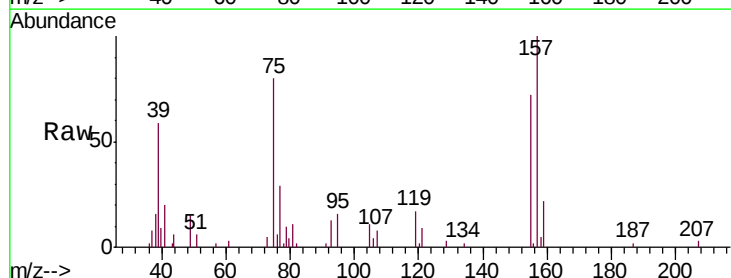
Tgt Ion: 75 Resp: 4953

Ion Ratio Lower Upper

75 100

155 87.6 43.0 129.0

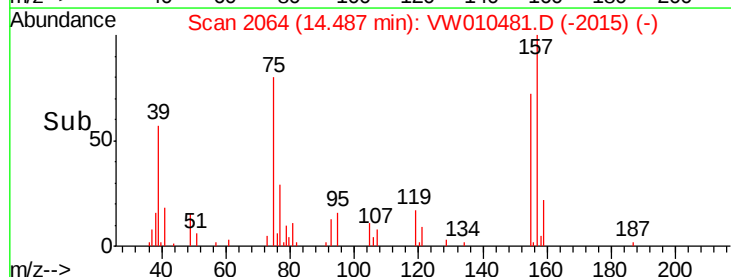
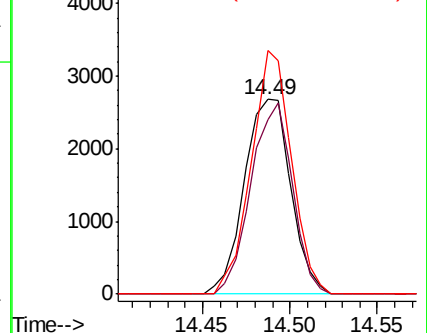
157 108.4 55.7 167.1

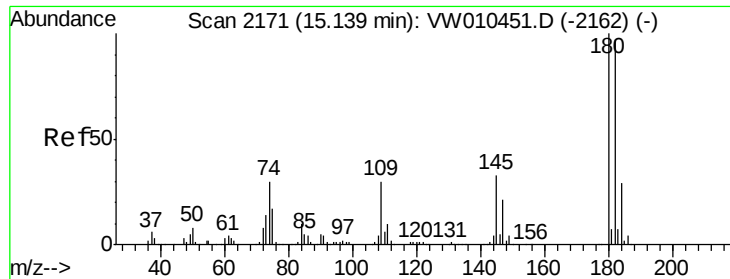


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

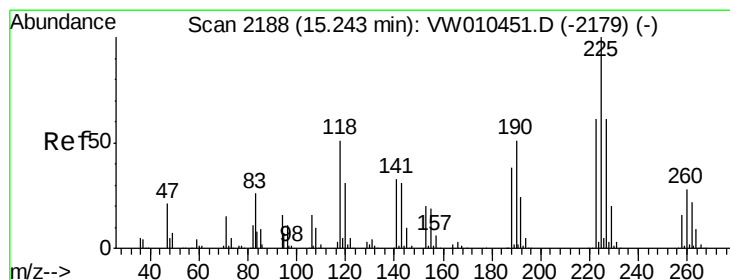
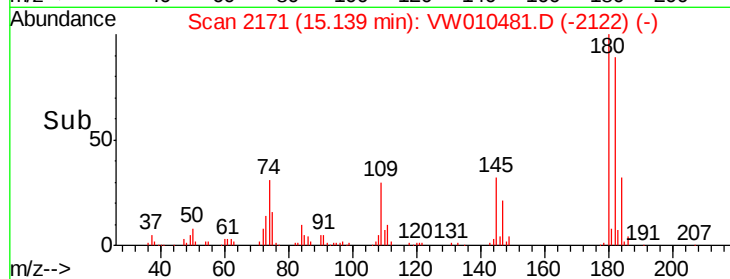
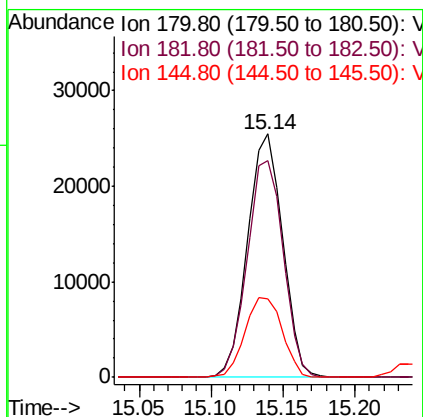
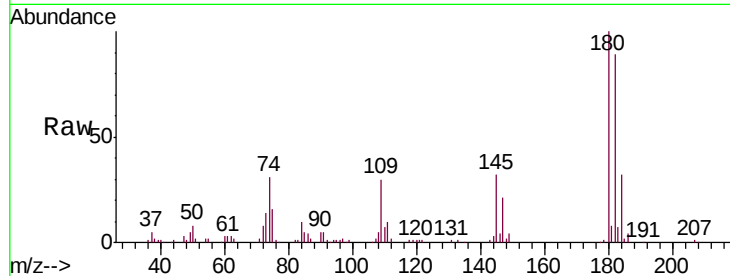




#93
 1,2,4-Trichlorobenzene
 Concen: 18.294 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

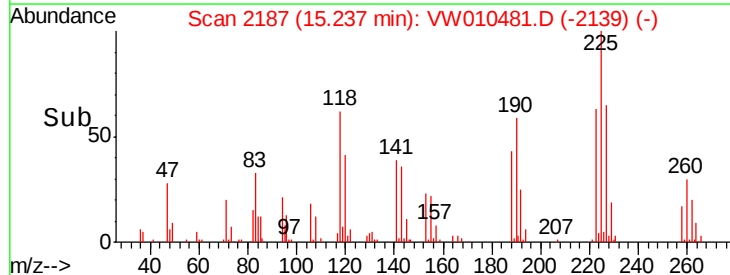
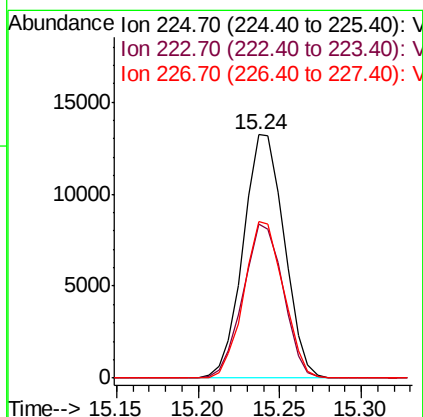
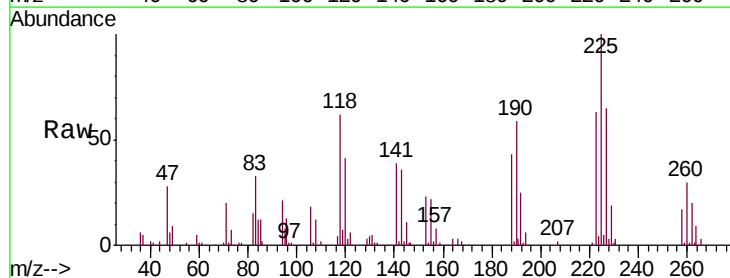
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

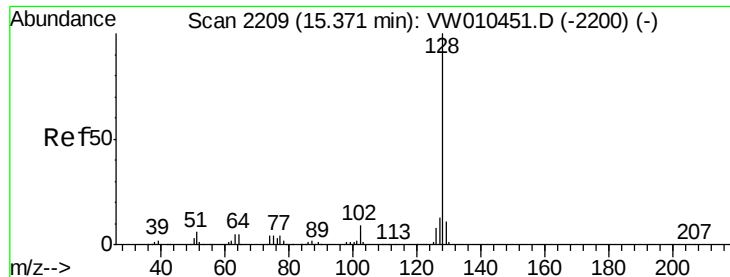
Tgt Ion:180 Resp: 42830
 Ion Ratio Lower Upper
 180 100
 182 91.7 47.0 141.2
 145 35.0 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 18.561 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion:225 Resp: 23215
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.2
 227 62.2 31.1 93.5

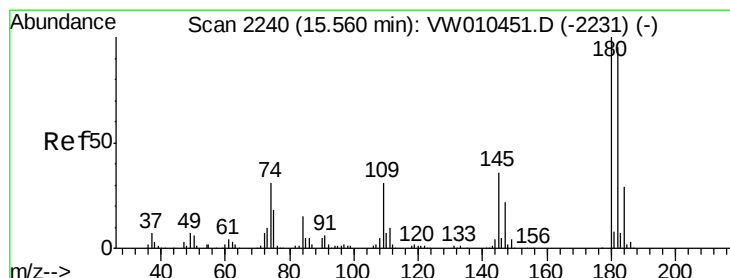
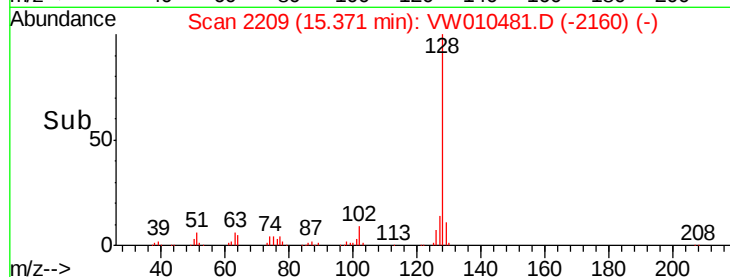
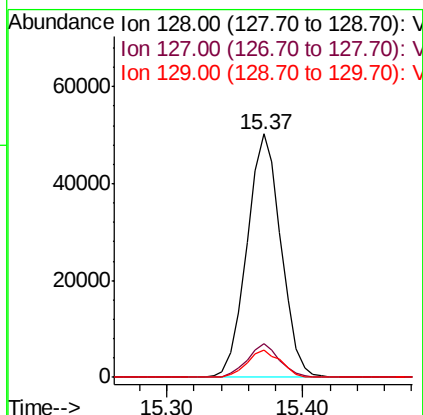
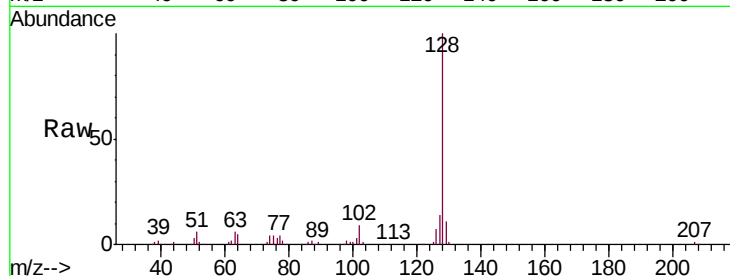




#95
Naphthalene
Concen: 17.863 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tgt Ion:128 Resp: 87785
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 18.507 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion:180 Resp: 37282
Ion Ratio Lower Upper
180 100
182 93.9 47.1 141.3
145 36.5 17.4 52.3

