

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
 Data File : VW008303.D
 Acq On : 16 Jan 2019 12:54
 Operator : SY/VA
 Sample : VW0116SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Quant Time: Jan 17 05:01:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	94411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76552	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	50840	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
35) Dibromofluoromethane	7.88	113	50329	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
50) Toluene-d8	10.32	98	199934	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.62	95	72725	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	13396	17.386	ug/l	97
3) Chloromethane	2.21	50	17845	17.852	ug/l	94
4) Vinyl Chloride	2.36	62	24813	19.019	ug/l	95
5) Bromomethane	2.78	94	18105	18.525	ug/l	95
6) Chloroethane	2.93	64	16927	17.242	ug/l	99
7) Trichlorofluoromethane	3.25	101	19748	18.618	ug/l	99
8) Diethyl Ether	3.67	74	12325	20.555	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21479	20.396	ug/l	97
10) Methyl Iodide	4.25	142	28557	18.606	ug/l	97
11) Tert butyl alcohol	5.17	59	8412	114.679	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	20544	19.870	ug/l	84
13) Acrolein	3.89	56	5044	70.325	ug/l	93
14) Allyl chloride	4.67	41	33955	18.088	ug/l	98
15) Acrylonitrile	5.37	53	25522	111.799	ug/l	98
16) Acetone	4.12	43	24782	118.835	ug/l	97
17) Carbon Disulfide	4.37	76	57907	17.929	ug/l	98
18) Methyl Acetate	4.66	43	14741	21.980	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	31900	18.979	ug/l	100
20) Methylene Chloride	4.91	84	24982	21.137	ug/l	84
21) trans-1,2-Dichloroethene	5.41	96	21733	19.343	ug/l	97
22) Diisopropyl ether	6.32	45	67978	18.988	ug/l	96
23) Vinyl Acetate	6.26	43	188146	100.065	ug/l	98
24) 1,1-Dichloroethane	6.21	63	39925	19.140	ug/l	99
25) 2-Butanone	7.17	43	34408	116.546	ug/l	98
26) 2,2-Dichloropropane	7.16	77	27009	19.109	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	23609	19.259	ug/l	98
28) Bromochloromethane	7.51	49	15955	19.338	ug/l	97
29) Tetrahydrofuran	7.53	42	21408	108.554	ug/l	96
30) Chloroform	7.67	83	40650	20.473	ug/l	99
31) Cyclohexane	7.95	56	38736	17.347	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	34845	20.169	ug/l	96
36) 1,1-Dichloropropene	8.08	75	32343	20.095	ug/l	98
37) Ethyl Acetate	7.25	43	14409	22.345	ug/l	98
38) Carbon Tetrachloride	8.06	117	32165	21.834	ug/l	98

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VW0116SBSD01

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	40654	19.920	ug/l	92
40) Benzene	8.32	78	90316	20.688	ug/l	98
41) Methacrylonitrile	7.48	41	9188	22.556	ug/l	90
42) 1,2-Dichloroethane	8.40	62	25613	20.860	ug/l	97
43) Isopropyl Acetate	8.42	43	27590	21.400	ug/l	97
44) Trichloroethene	9.09	130	24963	22.338	ug/l	90
45) 1,2-Dichloropropane	9.37	63	22595	20.874	ug/l	95
46) Dibromomethane	9.46	93	12387	23.301	ug/l	97
47) Bromodichloromethane	9.65	83	29420	21.795	ug/l #	97
48) Methyl methacrylate	9.44	41	12574	20.669	ug/l	90
49) 1,4-Dioxane	9.45	88	4348	508.587	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	70753	113.372	ug/l	99
52) Toluene	10.39	92	58798	21.090	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	30467	21.699	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	35046	21.049	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	17321	23.207	ug/l	91
56) Ethyl methacrylate	10.65	69	20888	22.598	ug/l	94
57) 1,3-Dichloropropane	10.93	76	29345	21.498	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	53332	111.700	ug/l	98
59) 2-Hexanone	10.97	43	50623	119.951	ug/l	100
60) Dibromochloromethane	11.13	129	20271	24.733	ug/l	98
61) 1,2-Dibromoethane	11.24	107	16363	23.105	ug/l	99
64) Tetrachloroethene	10.87	164	20603	21.529	ug/l	90
65) Chlorobenzene	11.66	112	64817	20.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	22709	22.412	ug/l	98
67) Ethyl Benzene	11.73	91	113619	19.933	ug/l	97
68) m/p-Xylenes	11.84	106	90683	41.680	ug/l	97
69) o-Xylene	12.17	106	40851	20.276	ug/l	98
70) Styrene	12.18	104	67113	21.267	ug/l	98
71) Bromoform	12.35	173	11220	24.742	ug/l #	96
73) Isopropylbenzene	12.47	105	112793	18.767	ug/l	99
74) N-amyl acetate	12.27	43	26401	19.836	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	21440	22.287	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	27108	38.845	ug/l #	1
77) Bromobenzene	12.75	156	26181	20.616	ug/l	90
78) n-propylbenzene	12.80	91	140440	19.071	ug/l	99
79) 2-Chlorotoluene	12.90	91	79745	19.410	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	98894	20.024	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	6184	20.636	ug/l	94
82) 4-Chlorotoluene	12.99	91	84210	19.461	ug/l	97
83) tert-Butylbenzene	13.21	119	85440	19.555	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	100060	19.644	ug/l	98
85) sec-Butylbenzene	13.39	105	125738	19.645	ug/l	99
86) p-Isopropyltoluene	13.51	119	110448	19.983	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	54387	21.113	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	54476	21.077	ug/l	99
89) n-Butylbenzene	13.83	91	105632	19.514	ug/l	99
90) Hexachloroethane	14.10	117	19608	21.004	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	49033	21.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3786	24.455	ug/l	95

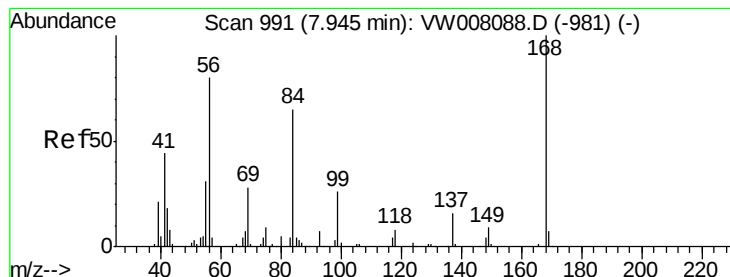
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\
Data File : VW008303.D
Acq On : 16 Jan 2019 12:54
Operator : SY/VA
Sample : VW0116SBSD01
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Instrument :
MSVOA_W
ClientSampleId :
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Quant Time: Jan 17 05:01:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	32626	21.706	ug/l	95
94) Hexachlorobutadiene	15.24	225	18219	22.646	ug/l	98
95) Naphthalene	15.38	128	57273	20.407	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	27424	21.403	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

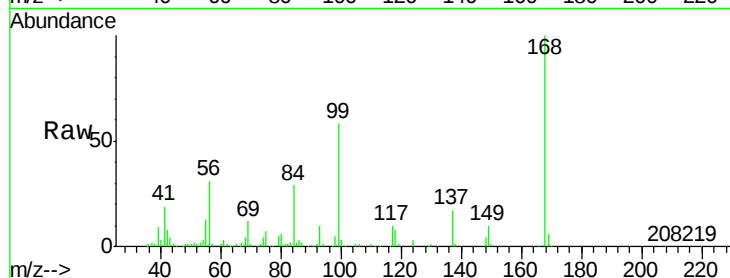
VW0116SBSD01

Tot Ion:168 Resp: 94411

Ion Ratio Lower Upper

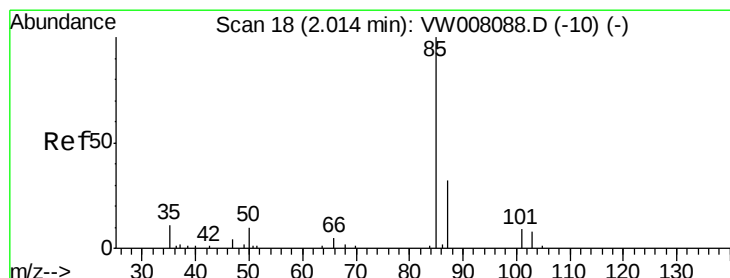
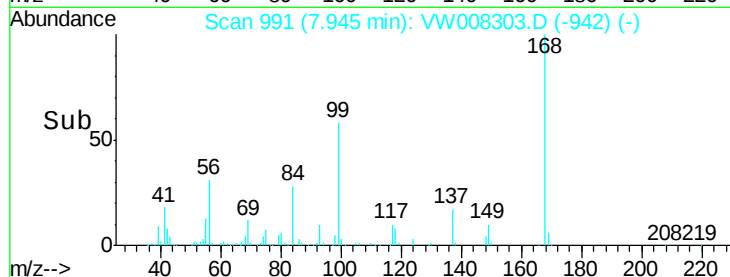
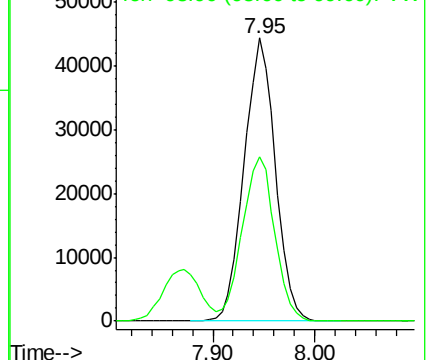
168 100

99 57.8 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.386 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008303.D

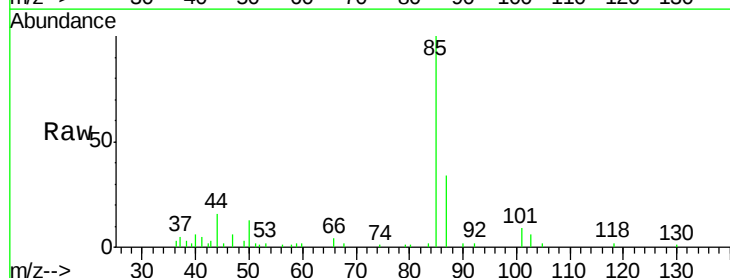
Acq: 16 Jan 2019 12:54

Tgt Ion: 85 Resp: 13396

Ion Ratio Lower Upper

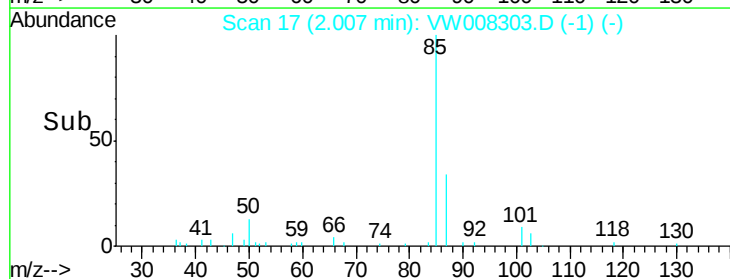
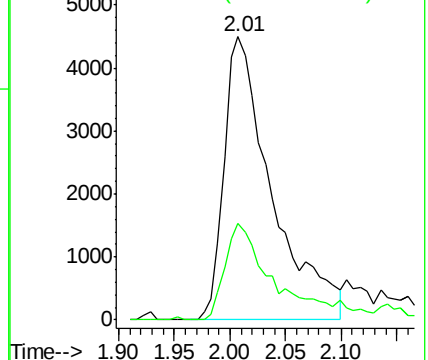
85 100

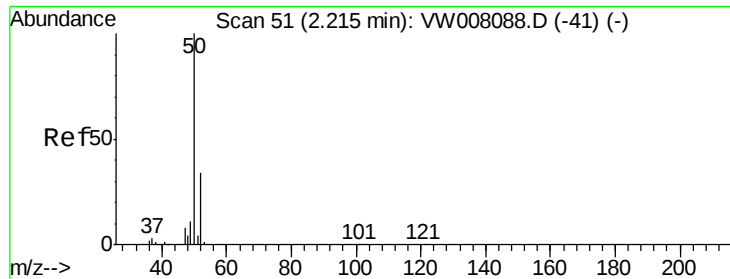
87 34.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.852 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

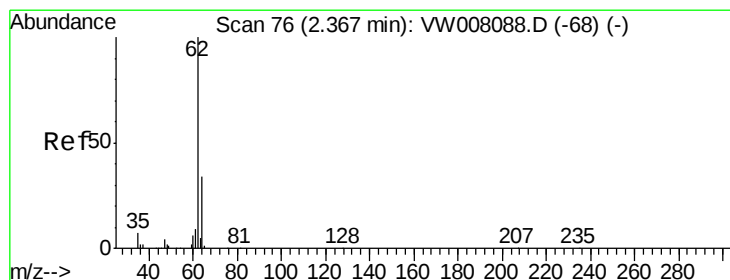
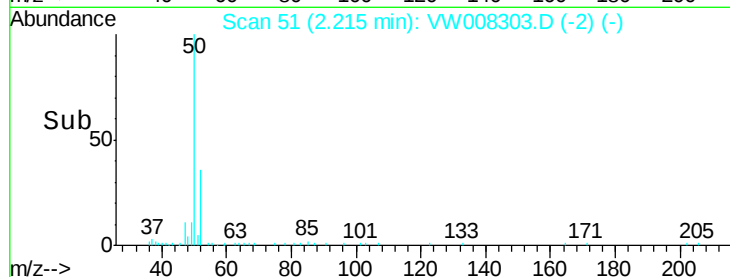
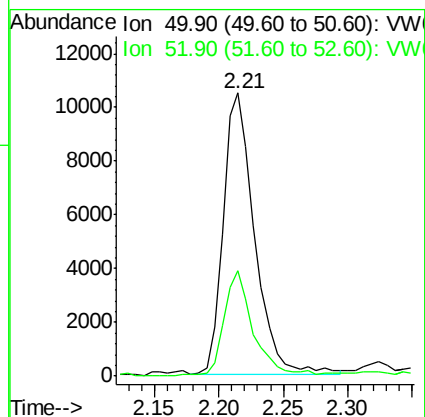
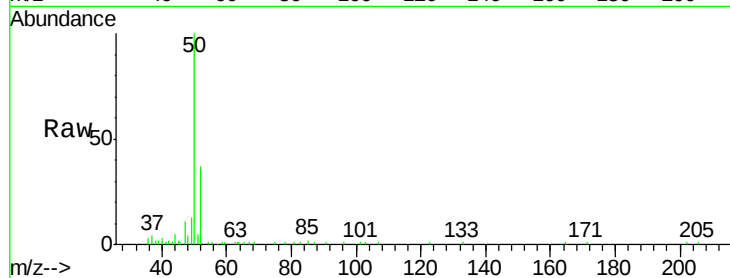
VW0116SBSD01

Tot Ion: 50 Resp: 17845

Ion Ratio Lower Upper

50 100

52 36.8 26.8 40.2



#4

Vinyl Chloride

Concen: 19.019 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008303.D

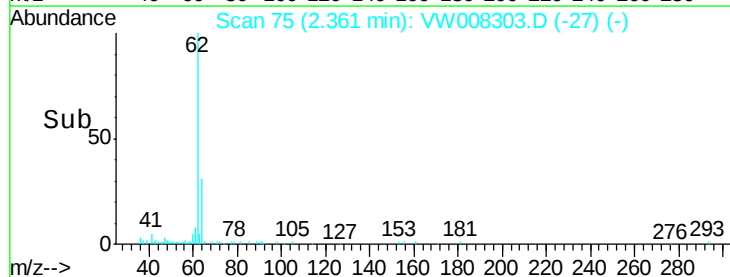
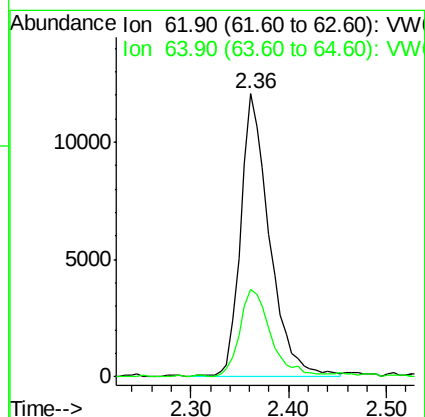
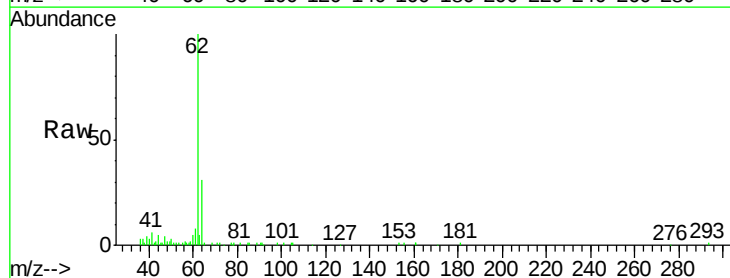
Acq: 16 Jan 2019 12:54

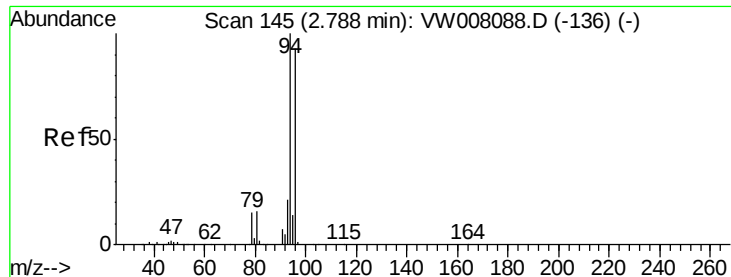
Tgt Ion: 62 Resp: 24813

Ion Ratio Lower Upper

62 100

64 30.8 27.0 40.6





#5

Bromomethane

Concen: 18.525 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

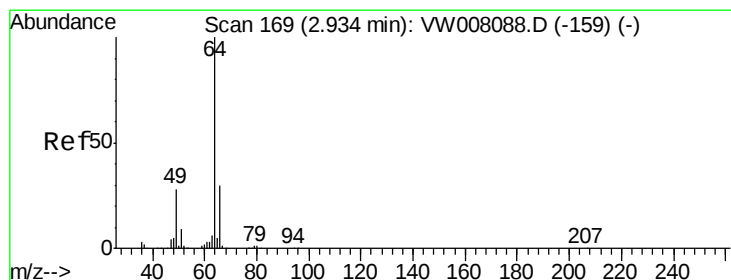
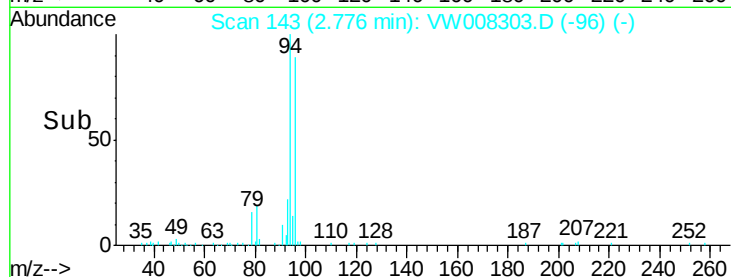
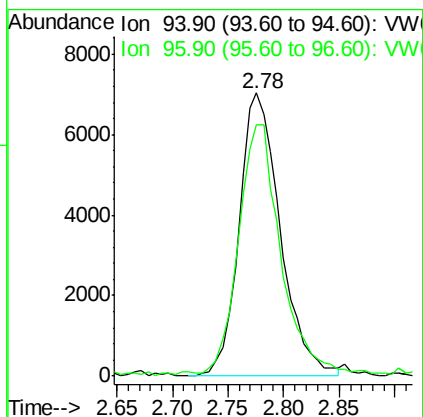
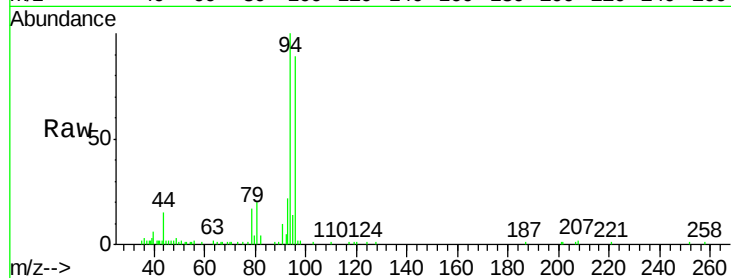
VW0116SBSD01

Tot Ion: 94 Resp: 18105

Ion Ratio Lower Upper

94 100

96 87.4 74.1 111.1



#6

Chloroethane

Concen: 17.242 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008303.D

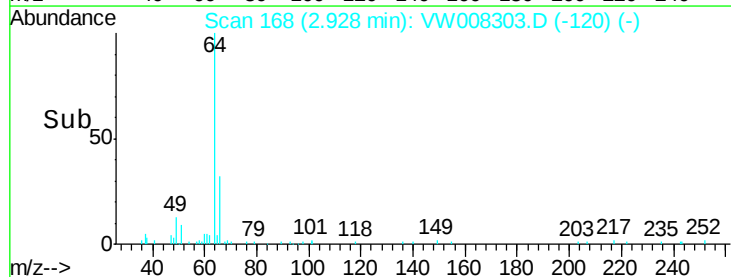
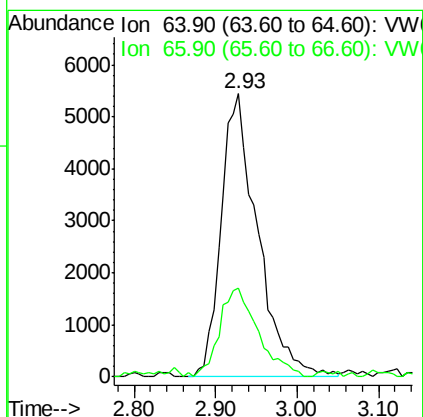
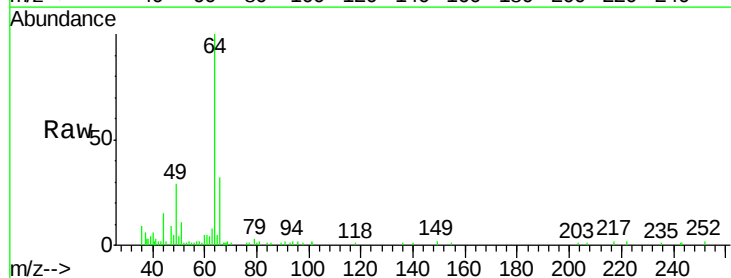
Acq: 16 Jan 2019 12:54

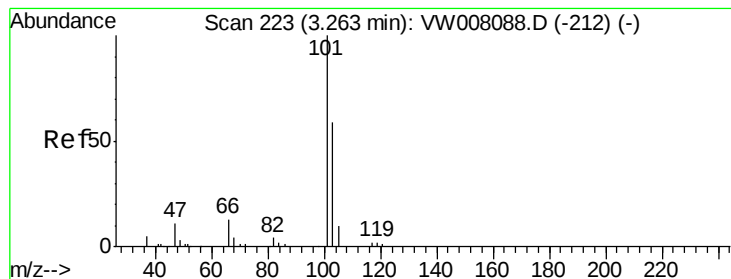
Tgt Ion: 64 Resp: 16927

Ion Ratio Lower Upper

64 100

66 29.8 24.2 36.2



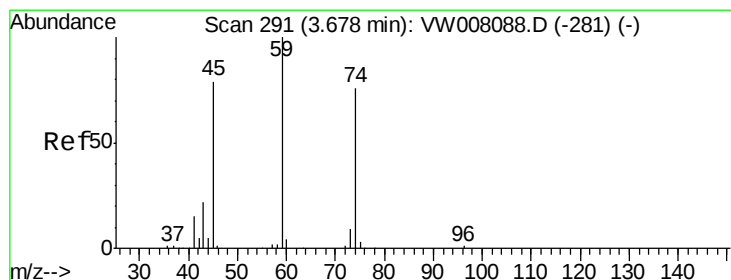
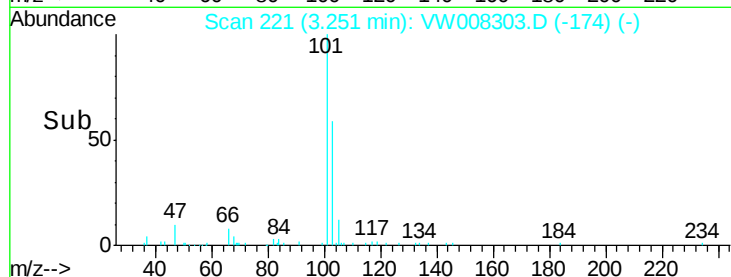
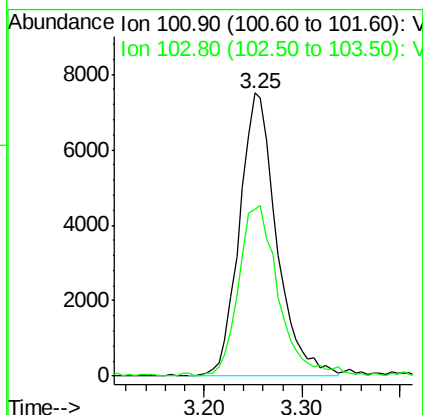
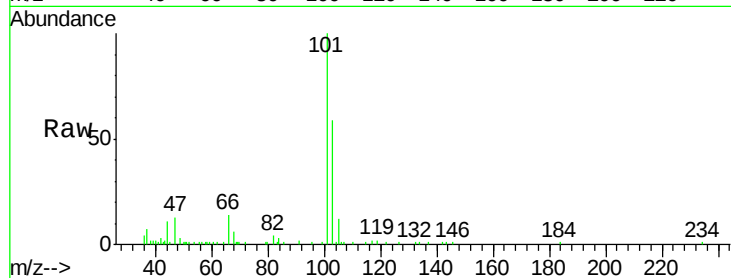


#7

Trichlorofluoromethane
 Concen: 18.618 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

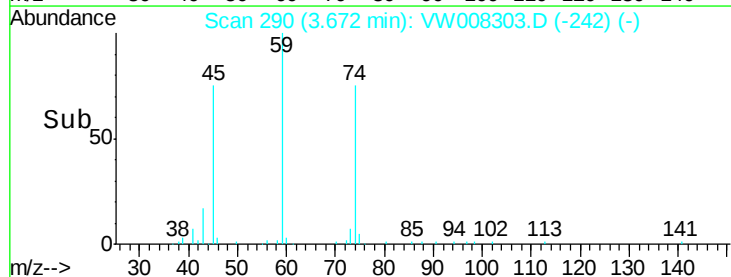
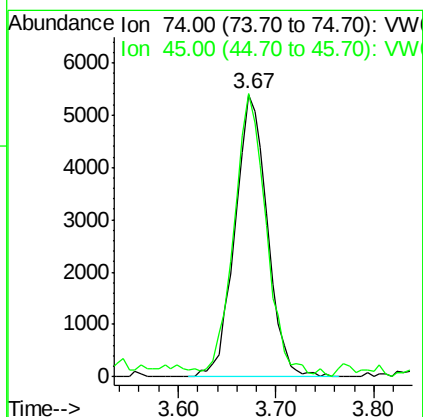
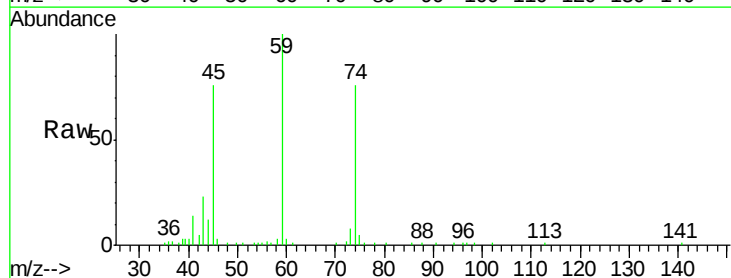
Tot Ion:101 Resp: 19748
 Ion Ratio Lower Upper
 101 100
 103 58.2 47.0 70.6

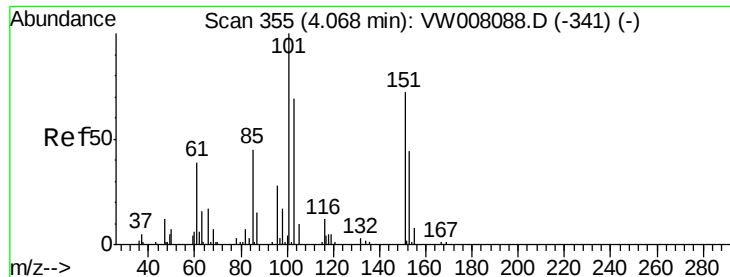


#8

Diethyl Ether
 Concen: 20.555 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion: 74 Resp: 12325
 Ion Ratio Lower Upper
 74 100
 45 97.2 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.396 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

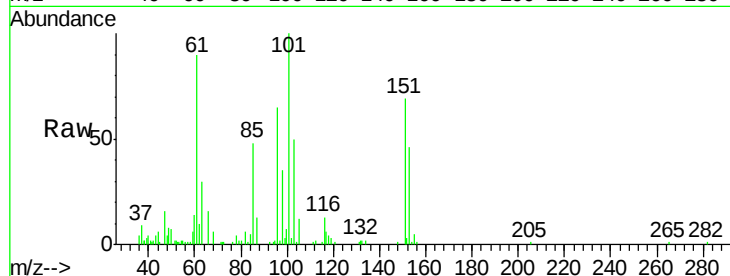
Tot Ion:101 Resp: 21479

Ion Ratio Lower Upper

101 100

85 44.3 35.9 53.9

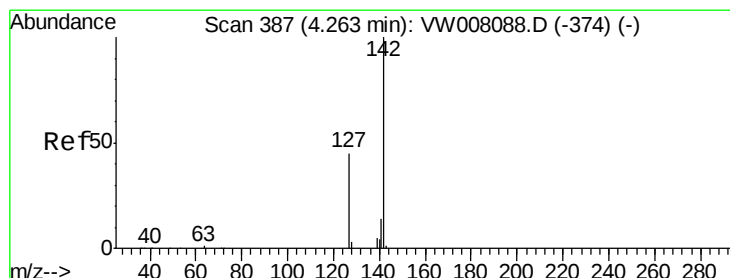
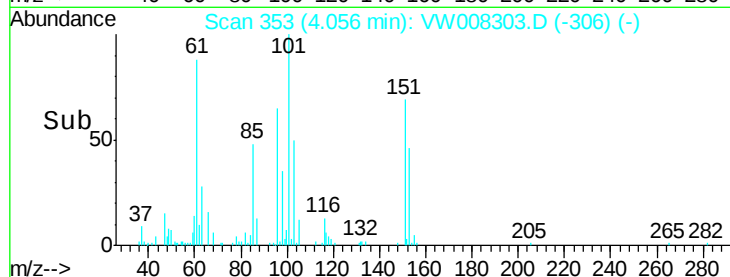
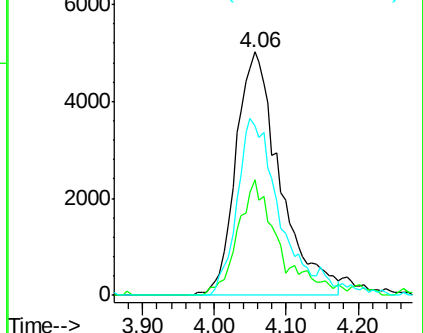
151 66.0 55.8 83.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.606 ug/l

RT: 4.25 min Scan# 385

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

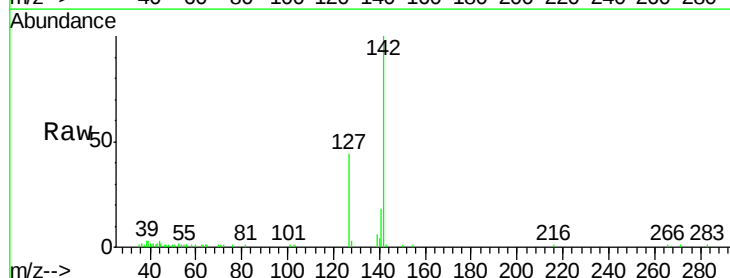
Tgt Ion:142 Resp: 28557

Ion Ratio Lower Upper

142 100

127 45.8 35.0 52.4

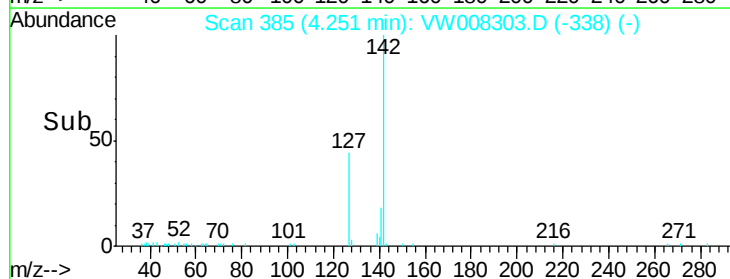
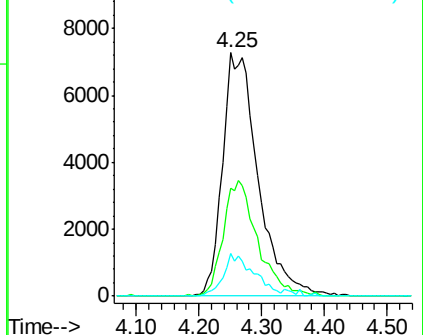
141 14.9 11.8 17.6

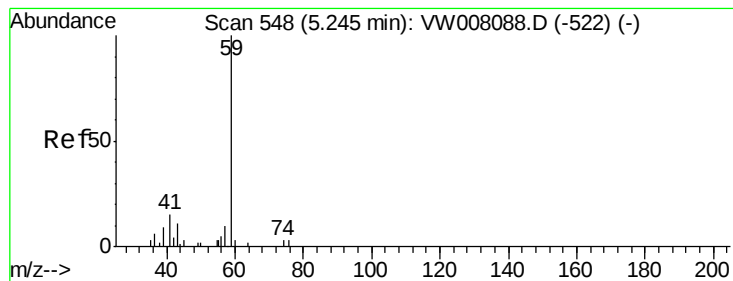


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



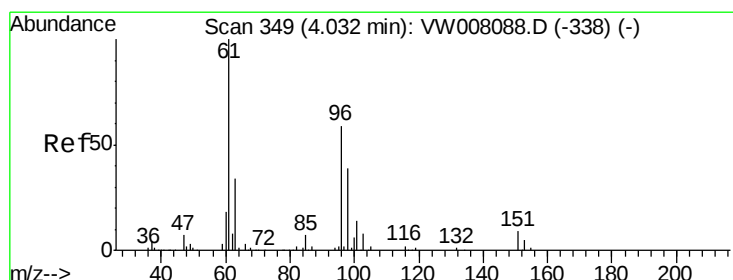
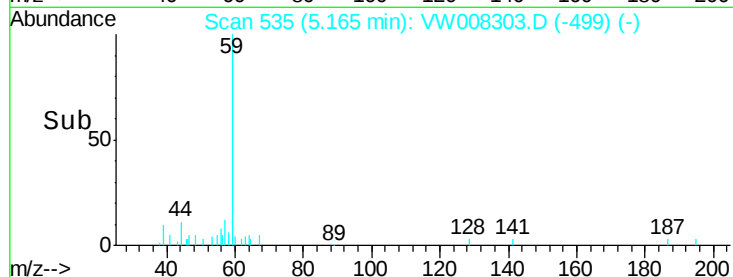
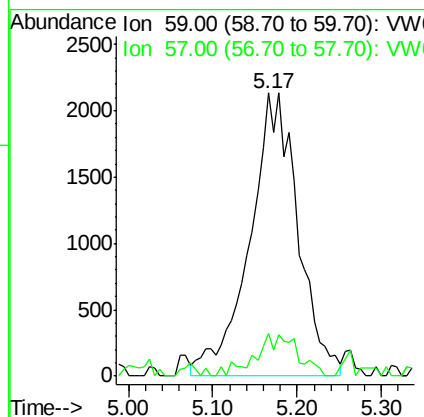
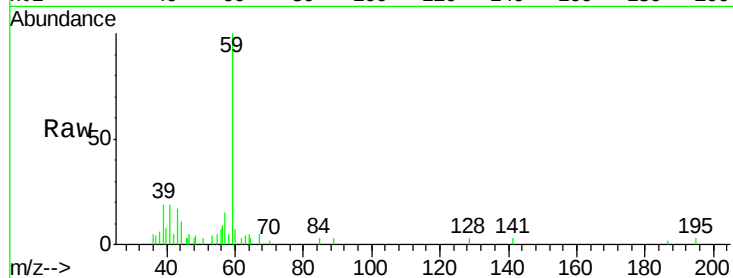


#11

Tert butyl alcohol
 Concen: 114.679 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.08 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

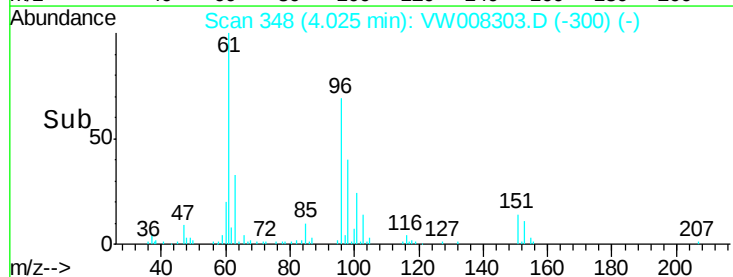
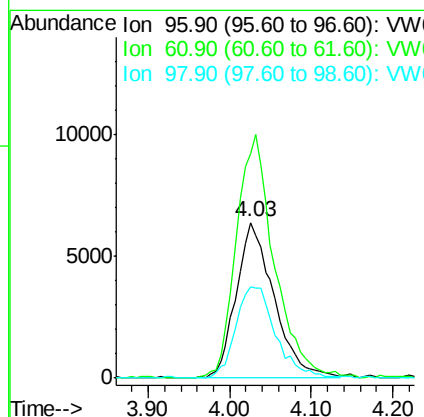
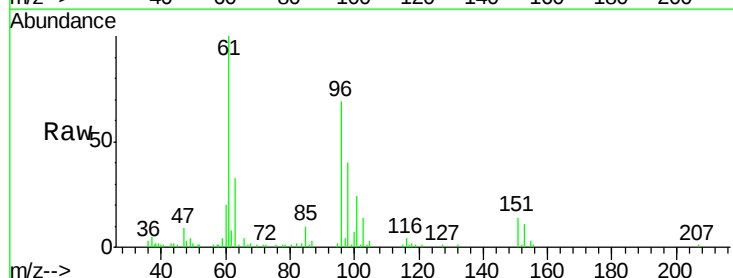
Tot Ion: 59 Resp: 8412
 Ion Ratio Lower Upper
 59 100
 57 6.1 0.0 0.0#

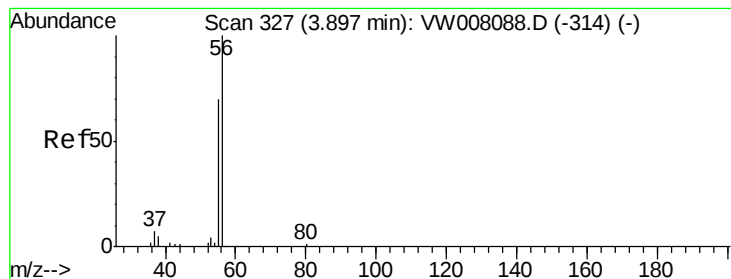


#12

1,1-Dichloroethene
 Concen: 19.870 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion: 96 Resp: 20544
 Ion Ratio Lower Upper
 96 100
 61 144.5 135.4 203.2
 98 58.4 52.5 78.7





#13

Acrolein

Concen: 70.325 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

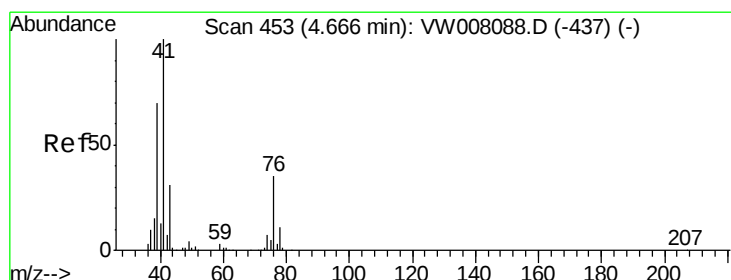
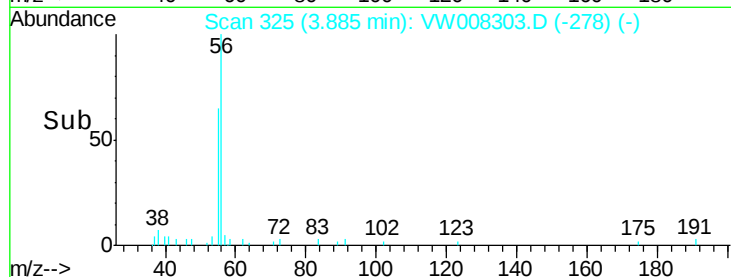
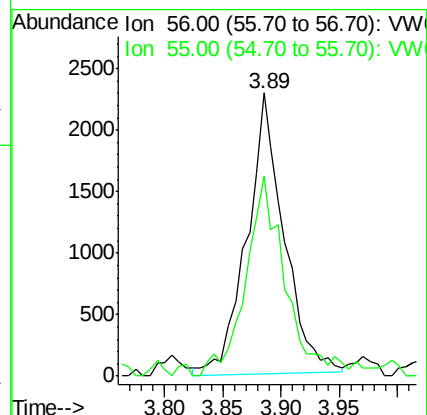
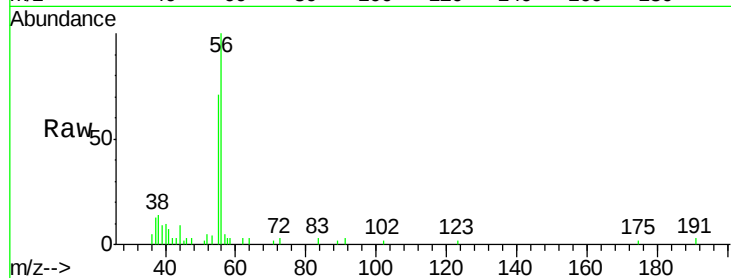
VW0116SBSD01

Tot Ion: 56 Resp: 5044

Ion Ratio Lower Upper

56 100

55 76.4 56.6 84.8



#14

Allyl chloride

Concen: 18.088 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

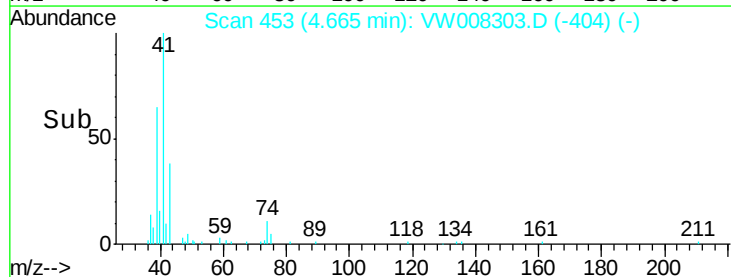
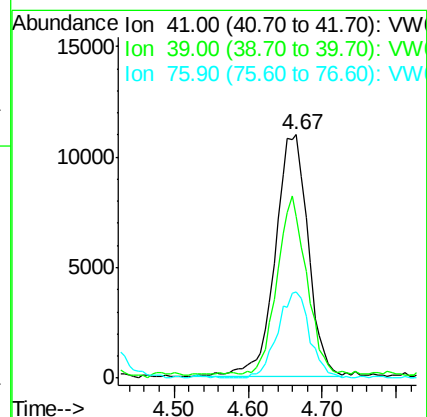
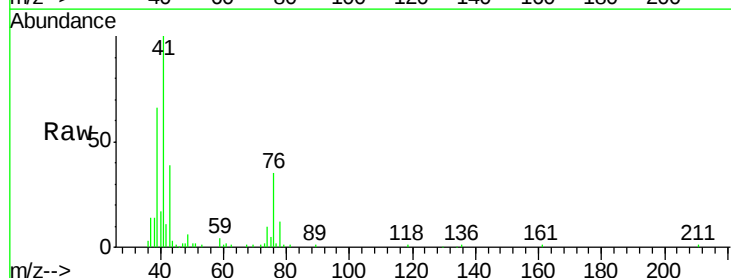
Tgt Ion: 41 Resp: 33955

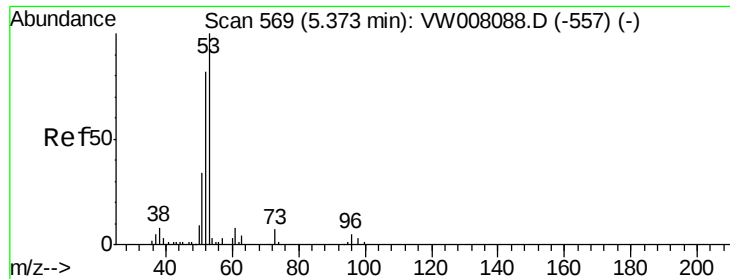
Ion Ratio Lower Upper

41 100

39 65.0 53.8 80.8

76 34.4 27.6 41.4





#15

Acrylonitrile

Concen: 111.799 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

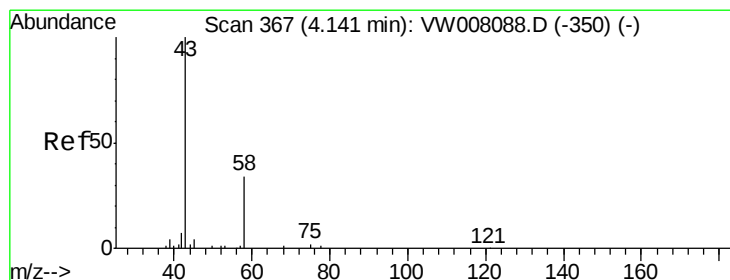
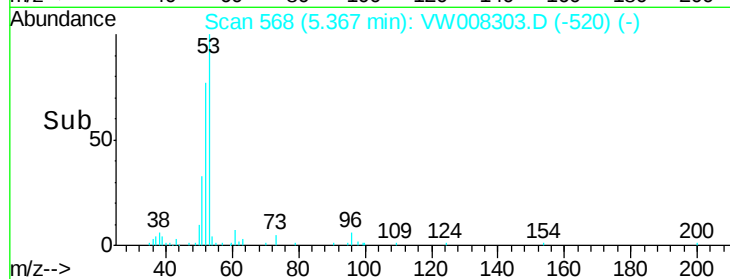
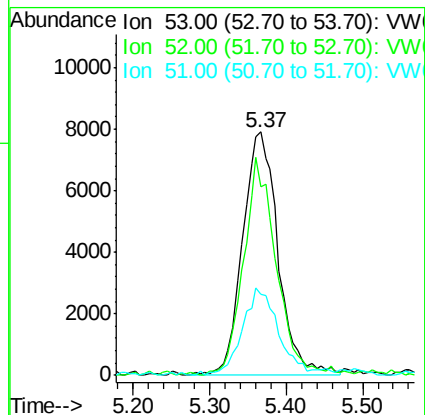
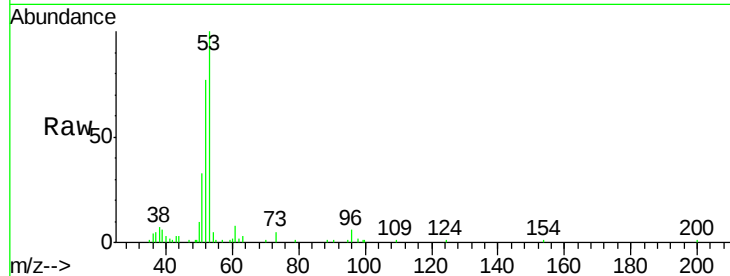
Tot Ion: 53 Resp: 25522

Ion Ratio Lower Upper

53 100

52 82.1 66.8 100.2

51 36.1 29.7 44.5



#16

Acetone

Concen: 118.835 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW008303.D

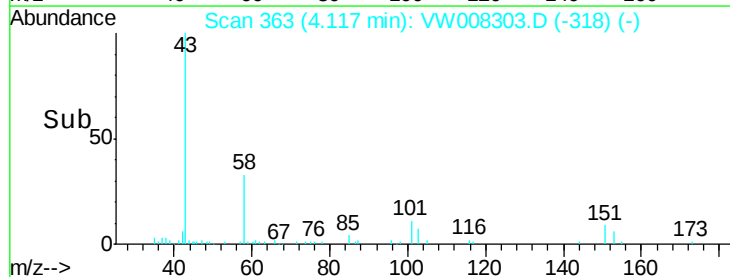
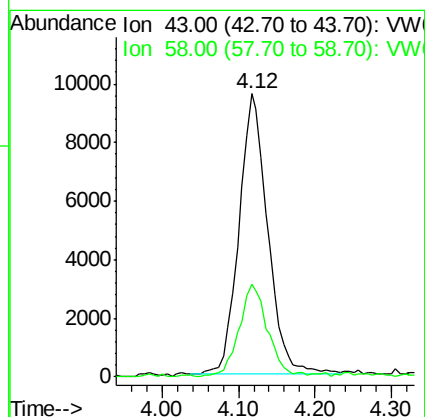
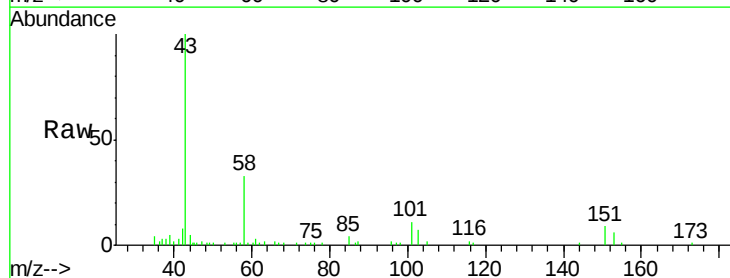
Acq: 16 Jan 2019 12:54

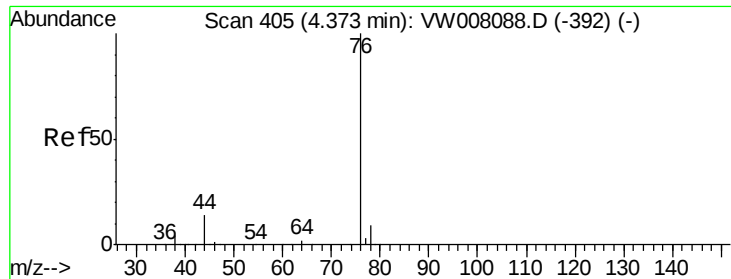
Tgt Ion: 43 Resp: 24782

Ion Ratio Lower Upper

43 100

58 32.6 27.5 41.3





#17

Carbon Disulfide

Concen: 17.929 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

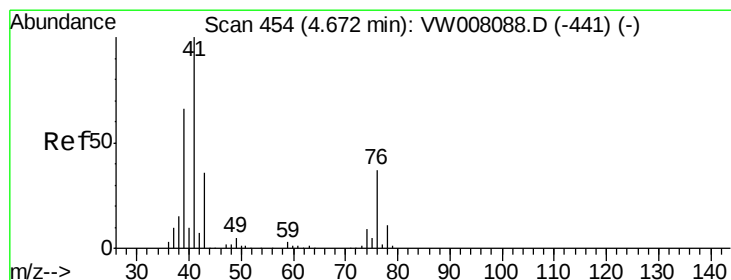
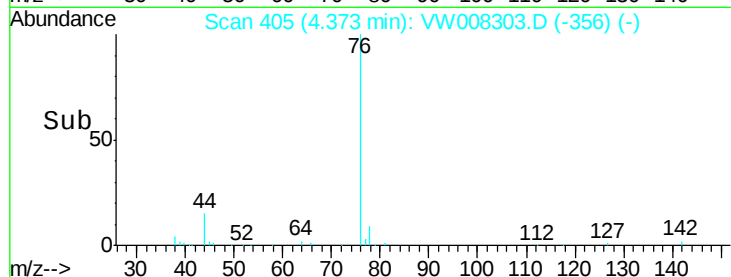
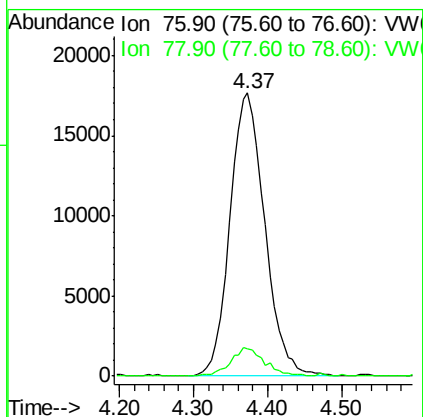
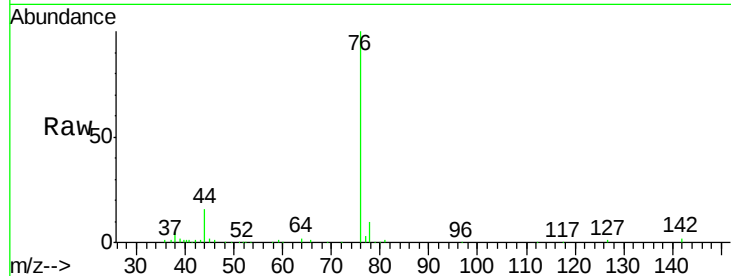
VW0116SBSD01

Tot Ion: 76 Resp: 57907

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6



#18

Methyl Acetate

Concen: 21.980 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008303.D

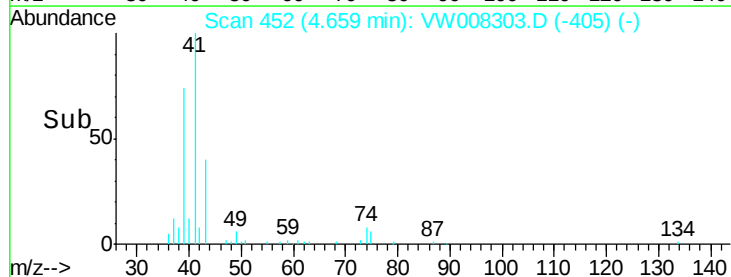
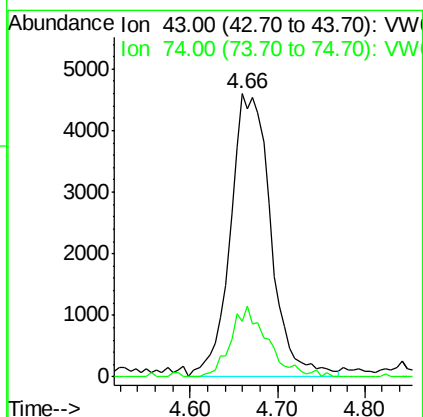
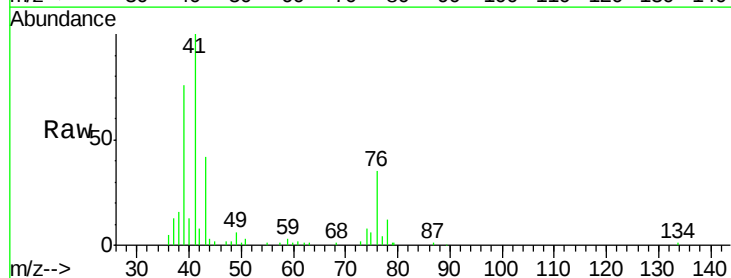
Acq: 16 Jan 2019 12:54

Tgt Ion: 43 Resp: 14741

Ion Ratio Lower Upper

43 100

74 22.2 19.0 28.4

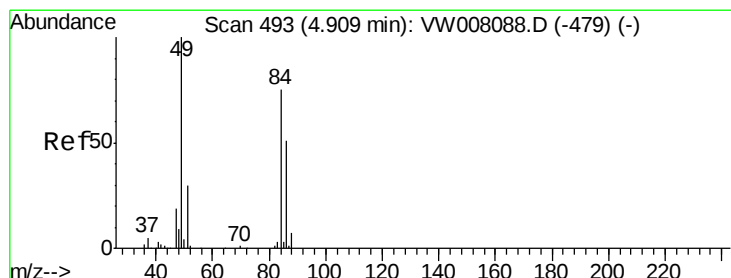
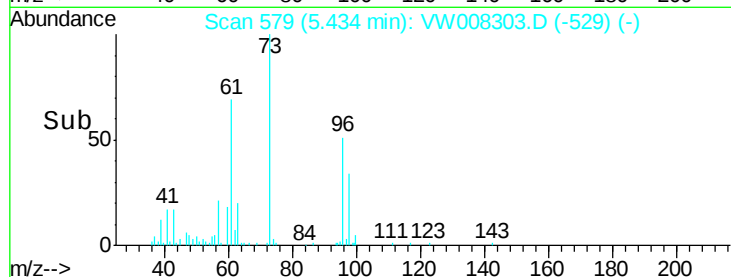
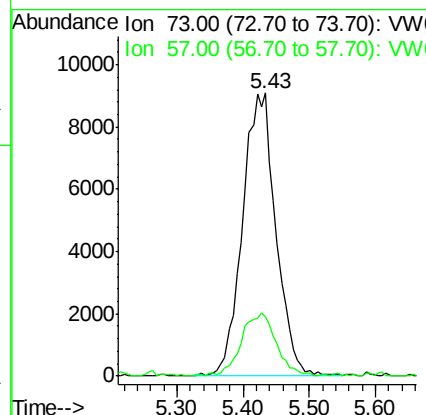
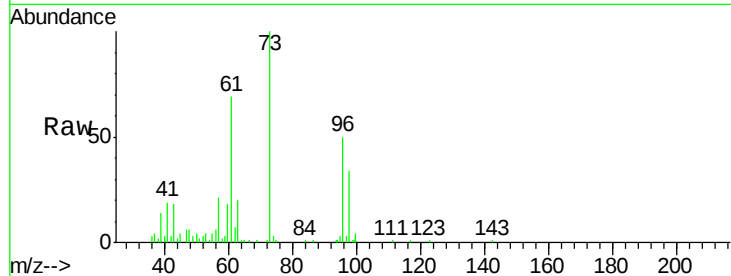




#19
Methvl tert-butvl Ether
Concen: 18.979 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

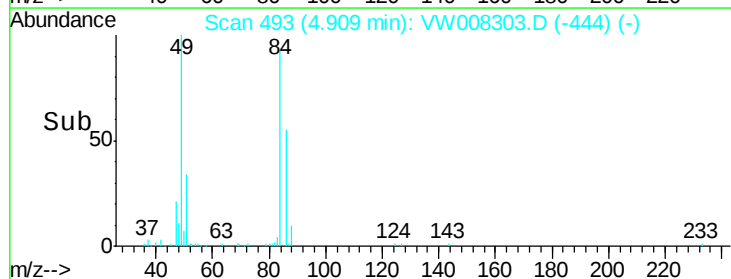
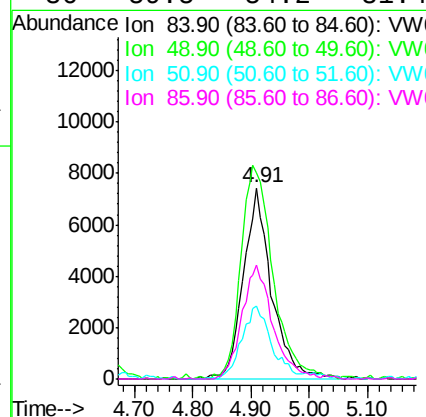
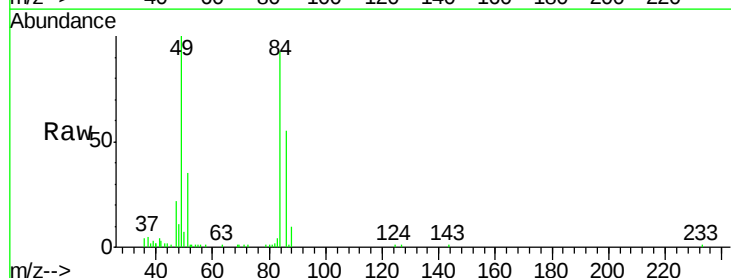
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

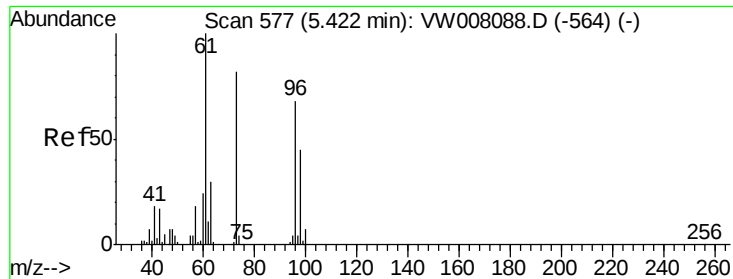
Tot Ion: 73 Resp: 31900
Ion Ratio Lower Upper
73 100
57 21.0 16.7 25.1



#20
Methylene Chloride
Concen: 21.137 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 84 Resp: 24982
Ion Ratio Lower Upper
84 100
49 108.0 107.1 160.7
51 38.0 32.4 48.6
86 59.5 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 19.343 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

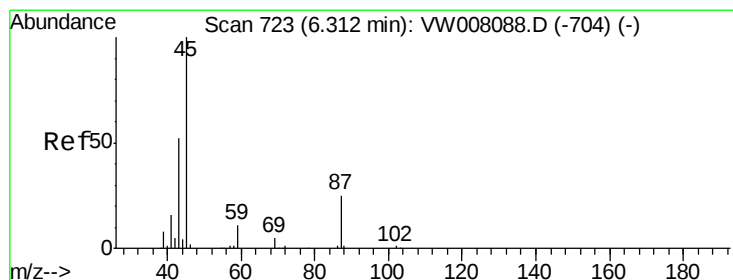
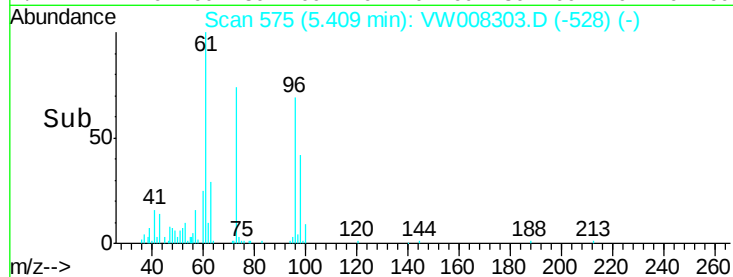
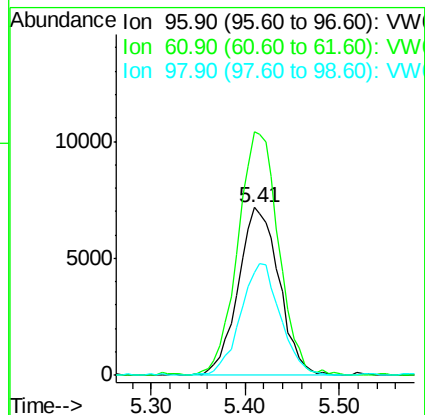
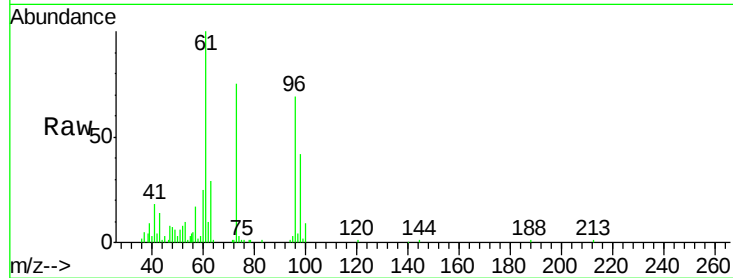
Tot Ion: 96 Resp: 21733

Ion Ratio Lower Upper

96 100

61 143.8 117.4 176.0

98 61.0 52.2 78.4



#22

Diisopropyl ether

Concen: 18.988 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion: 45 Resp: 67978

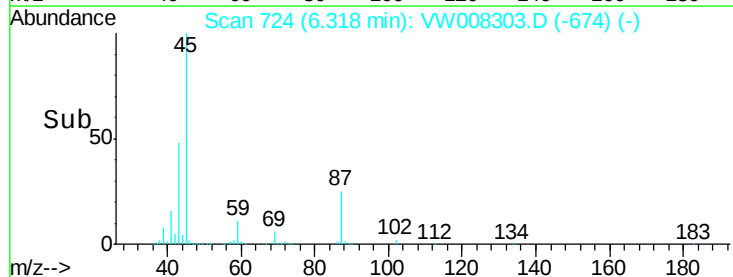
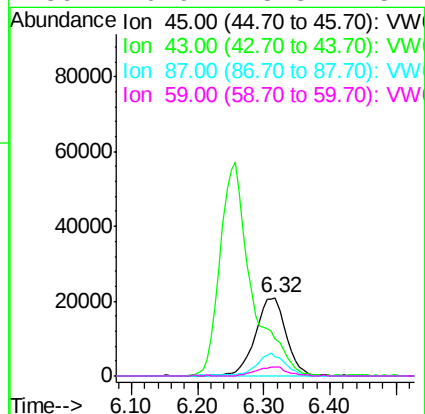
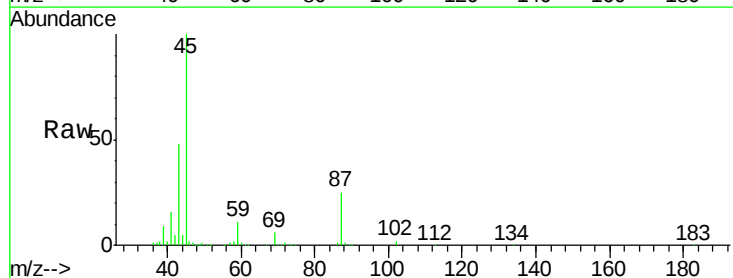
Ion Ratio Lower Upper

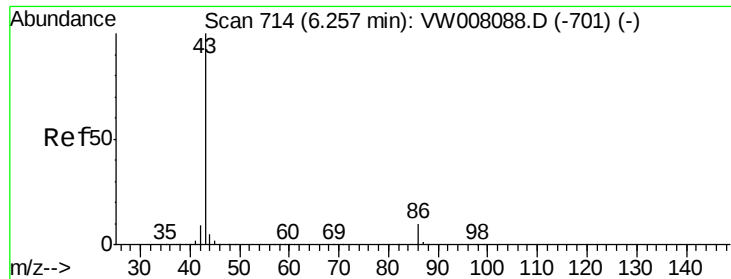
45 100

43 47.2 41.7 62.5

87 25.0 20.1 30.1

59 10.9 8.8 13.2

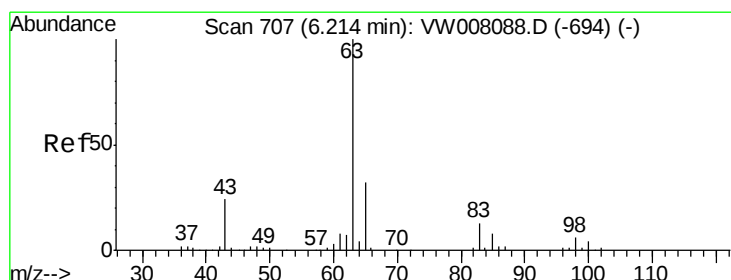
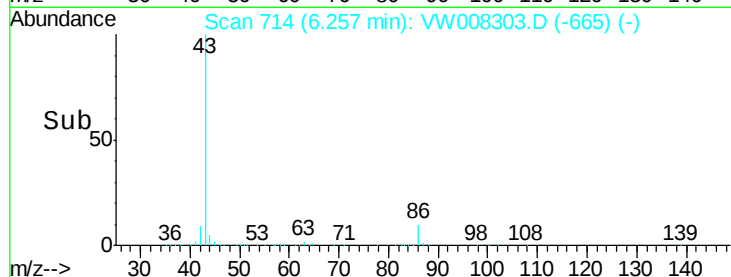
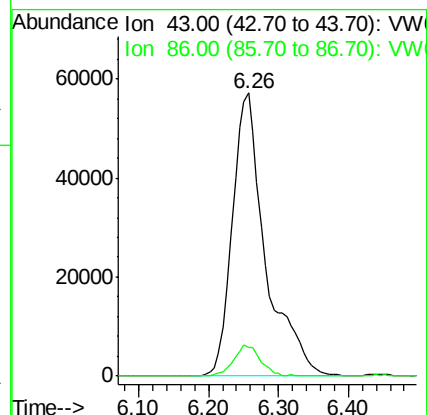
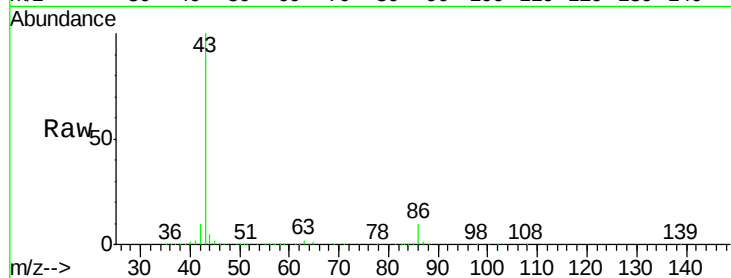




#23
 Vinyl Acetate
 Concen: 100.065 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

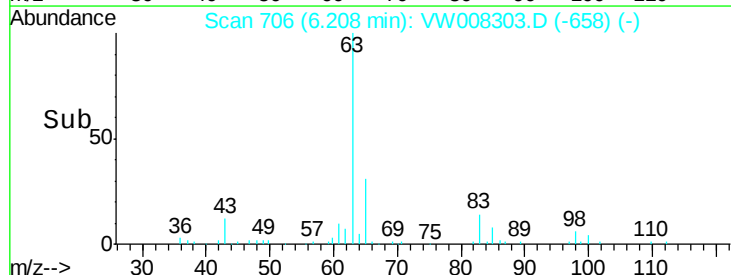
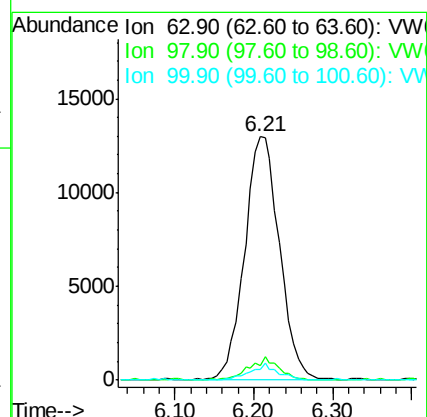
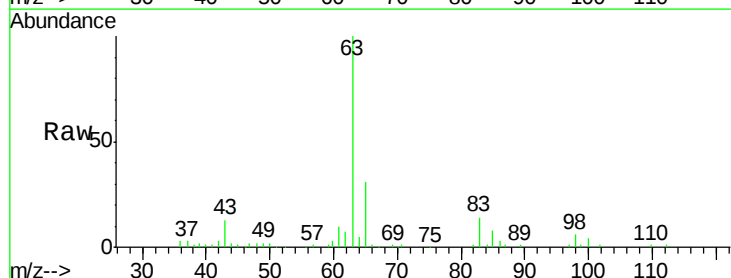
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

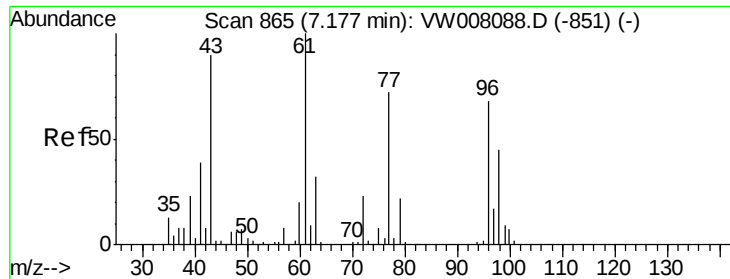
Tot Ion: 43 Resp: 188146
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 19.140 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion: 63 Resp: 39925
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.2 9.6
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 116.546 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

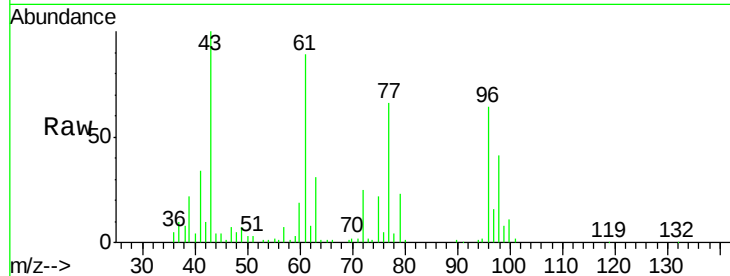
VW0116SBSD01

Tot Ion: 43 Resp: 34408

Ion Ratio Lower Upper

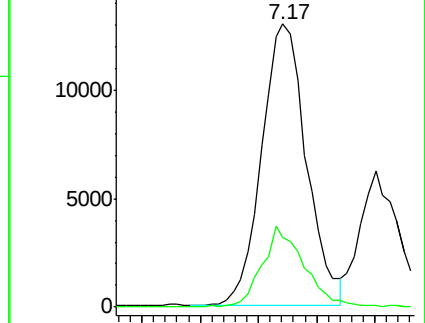
43 100

72 24.8 20.5 30.7

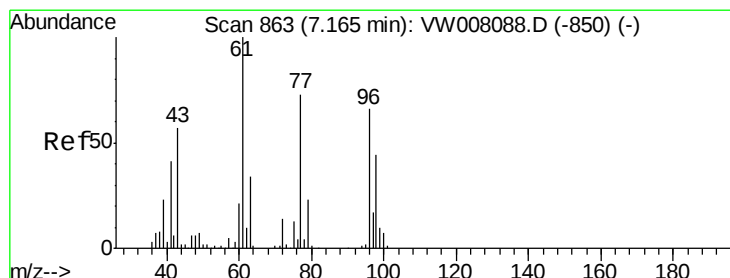
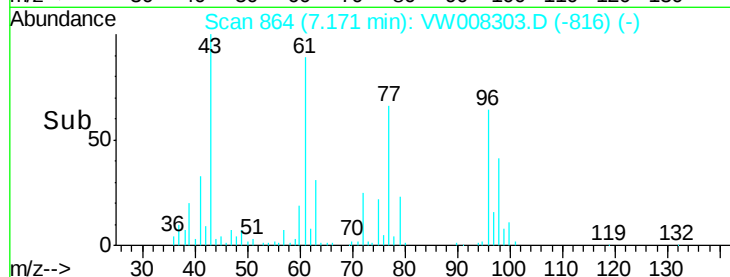


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 19.109 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008303.D

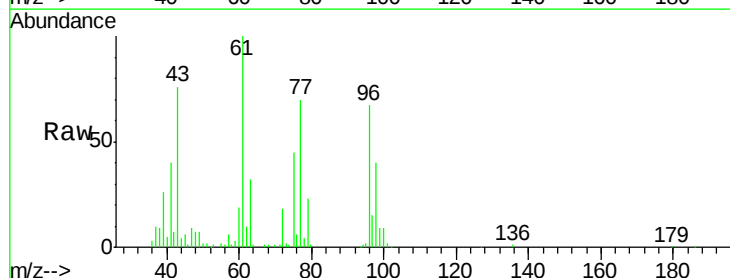
Acq: 16 Jan 2019 12:54

Tgt Ion: 77 Resp: 27009

Ion Ratio Lower Upper

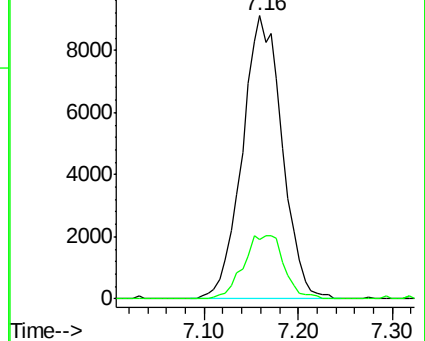
77 100

97 22.8 11.4 34.1

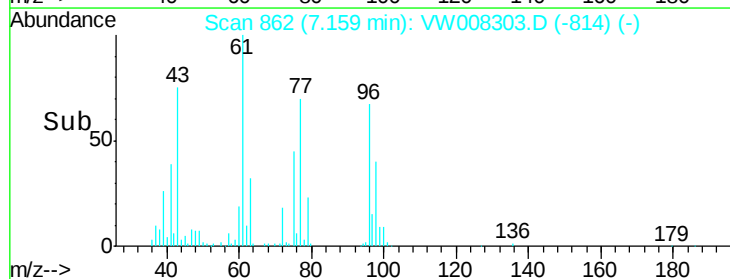


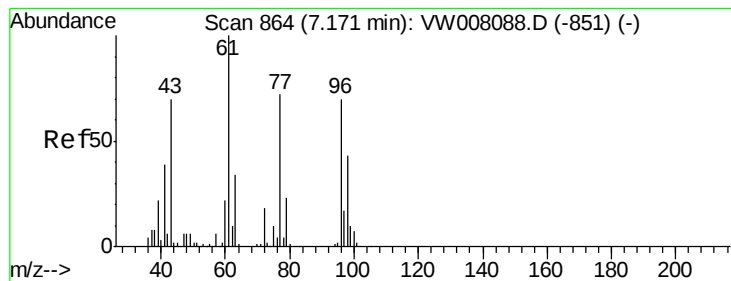
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



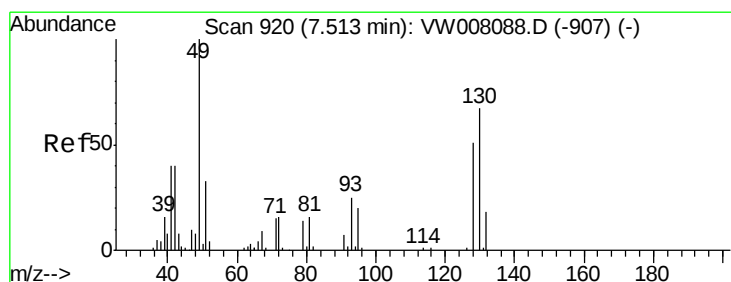
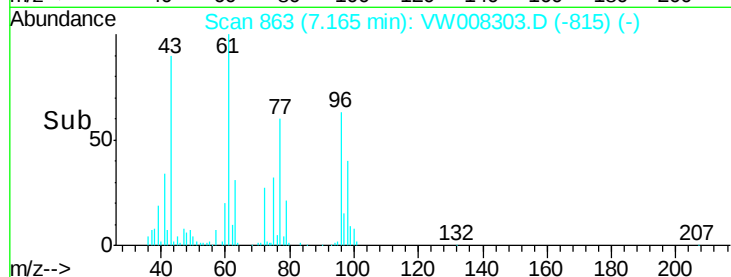
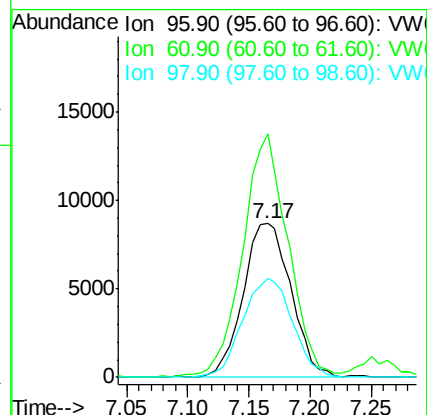
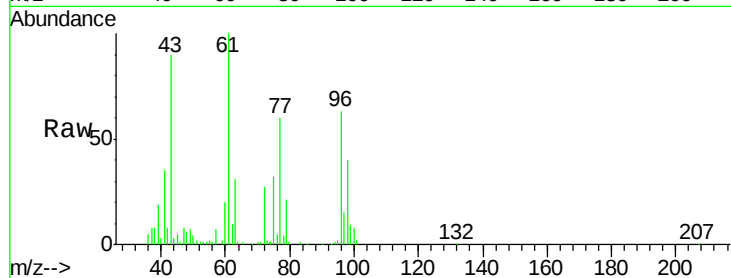


#27

cis-1,2-Dichloroethene
Concen: 19.259 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

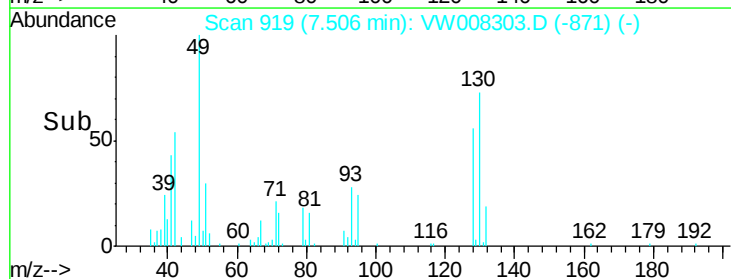
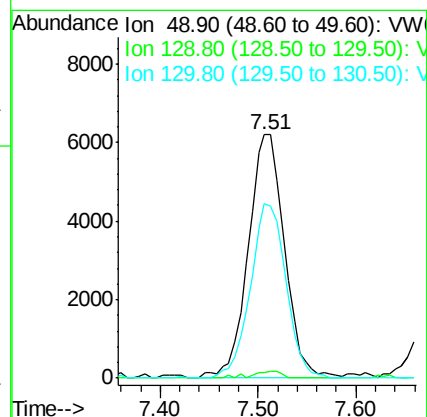
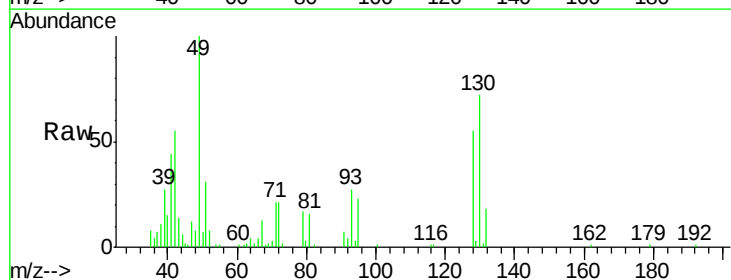
Tot Ion: 96 Resp: 23609
Ion Ratio Lower Upper
96 100
61 151.3 0.0 300.4
98 66.9 0.0 128.4

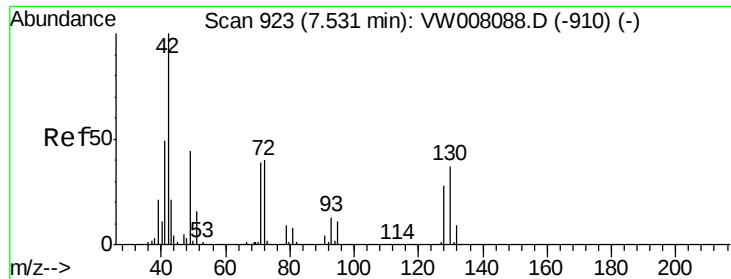


#28

Bromochloromethane
Concen: 19.338 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 49 Resp: 15955
Ion Ratio Lower Upper
49 100
129 2.2 0.0 2.8
130 70.5 54.3 81.5

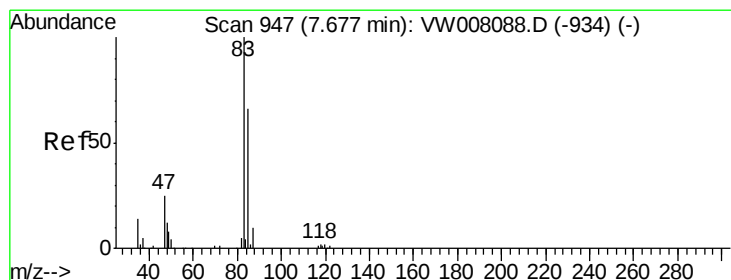
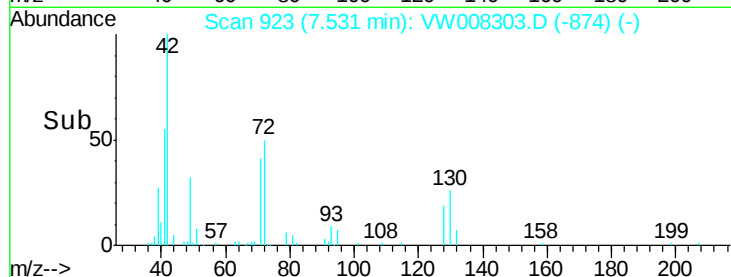
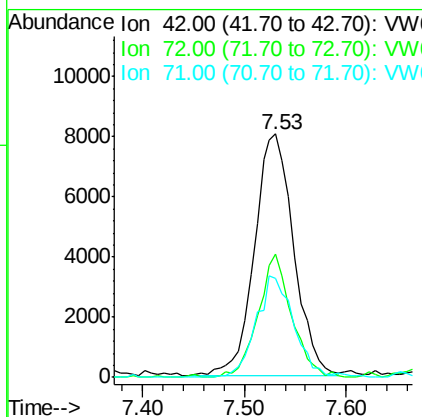
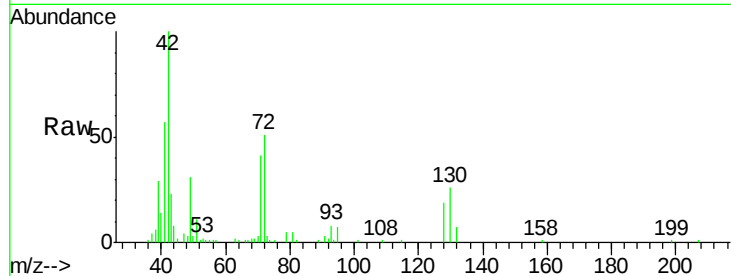




#29
Tetrahydrofuran
Concen: 108.554 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

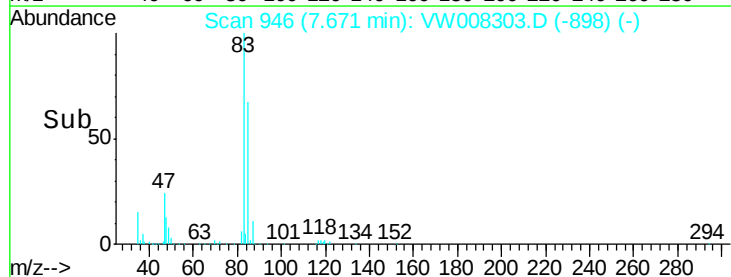
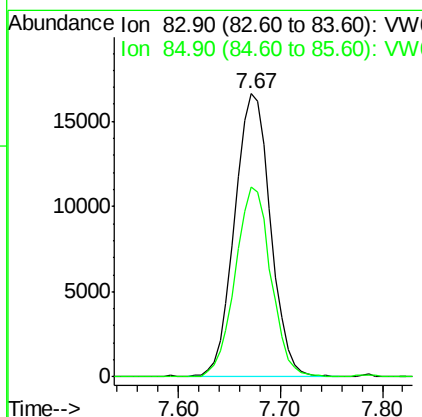
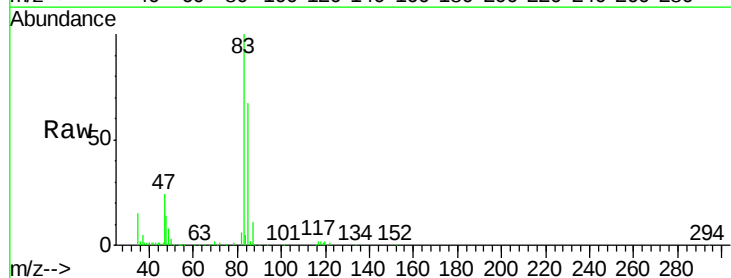
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

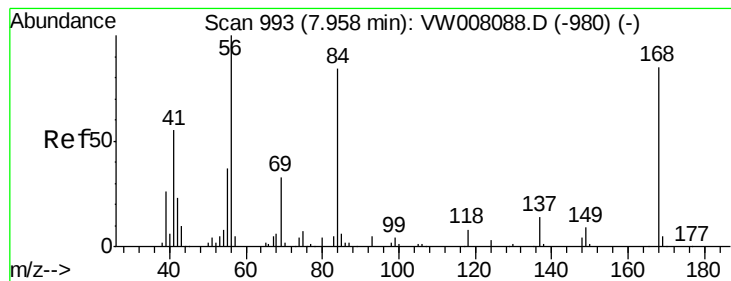
Tot Ion: 42 Resp: 21408
Ion Ratio Lower Upper
42 100
72 43.9 32.4 48.6
71 40.1 31.3 46.9



#30
Chloroform
Concen: 20.473 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 83 Resp: 40650
Ion Ratio Lower Upper
83 100
85 67.3 53.2 79.8





#31

Cyclohexane

Concen: 17.347 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

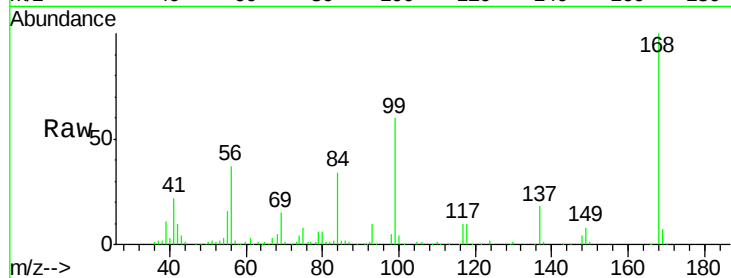
Tot Ion: 56 Resp: 38736

Ion Ratio Lower Upper

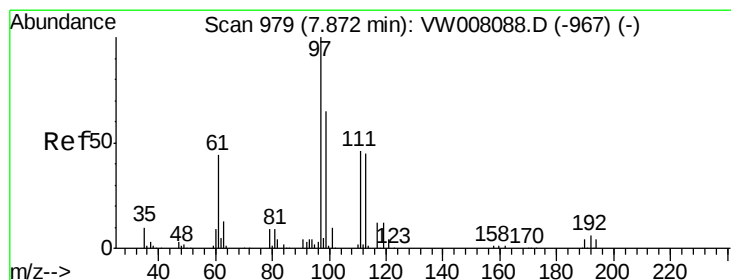
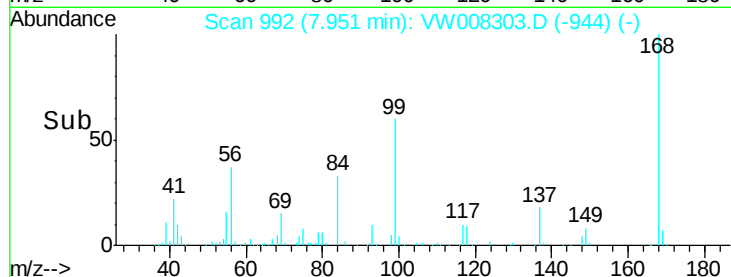
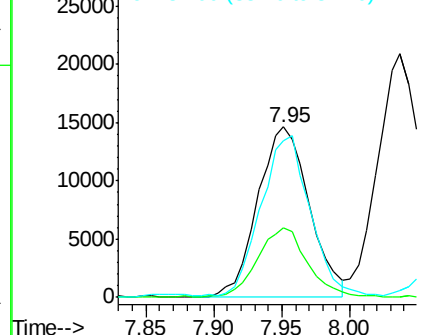
56 100

69 40.2 26.2 39.4#

84 90.8 67.4 101.2



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: 20.169 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

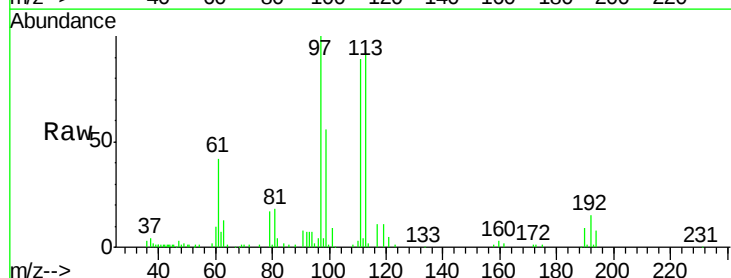
Tgt Ion: 97 Resp: 34845

Ion Ratio Lower Upper

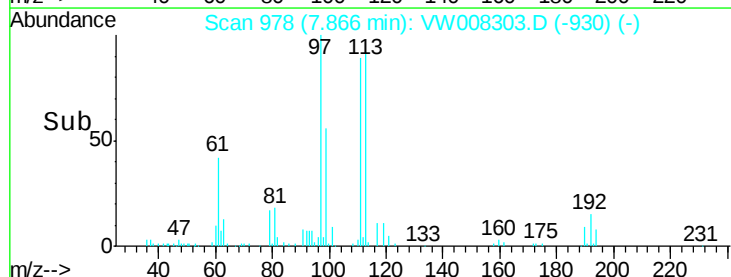
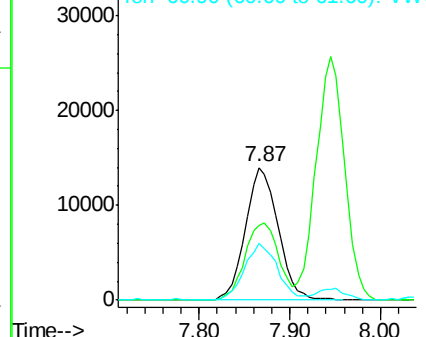
97 100

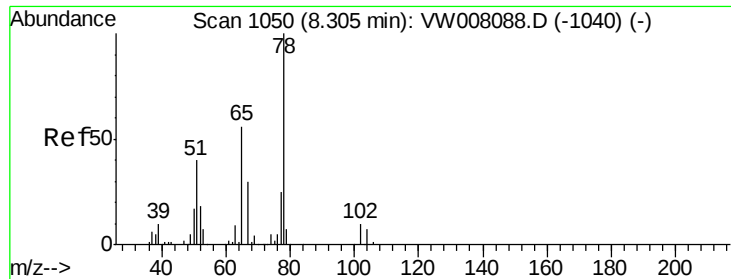
99 60.1 51.4 77.0

61 43.8 35.6 53.4



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: 47.913 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

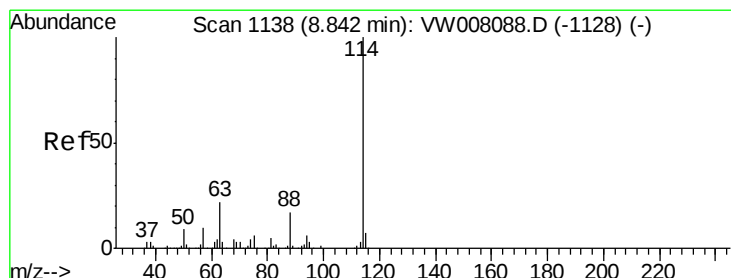
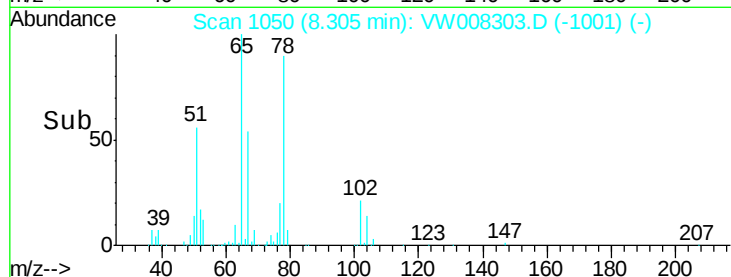
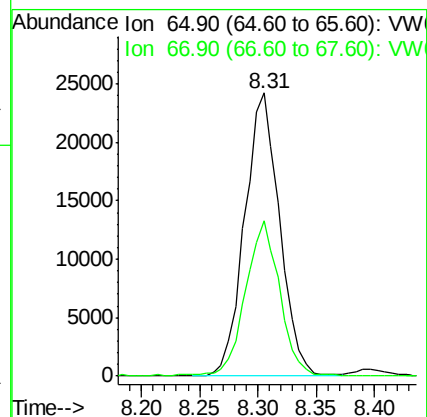
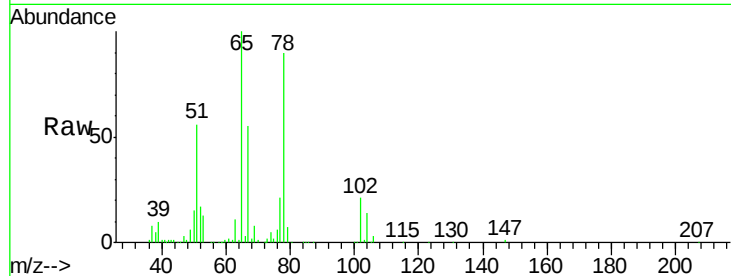
VW0116SBSD01

Tot Ion: 65 Resp: 50840

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion: 114 Resp: 156251

Ion Ratio Lower Upper

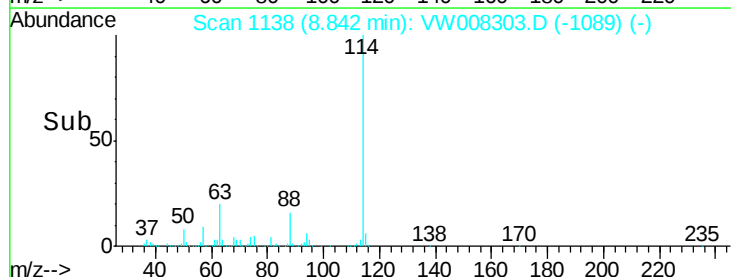
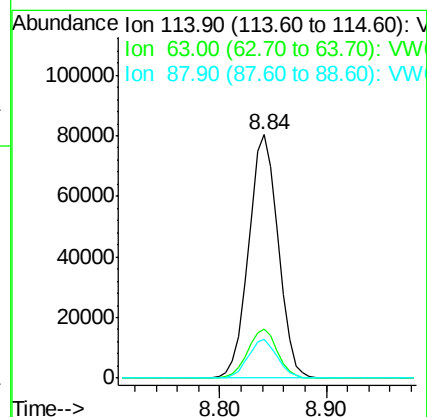
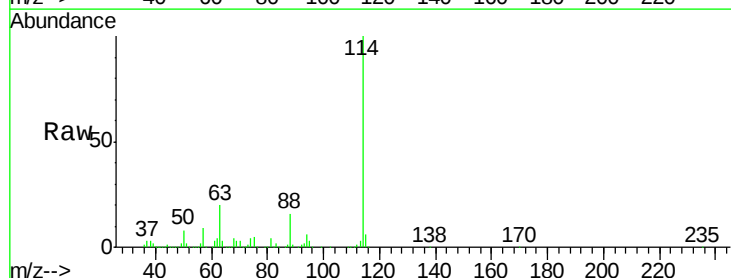
114 100

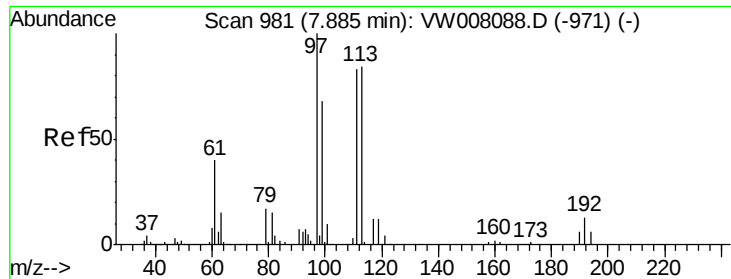
63 20.3

0.0 43.4

88 16.2

0.0 33.4

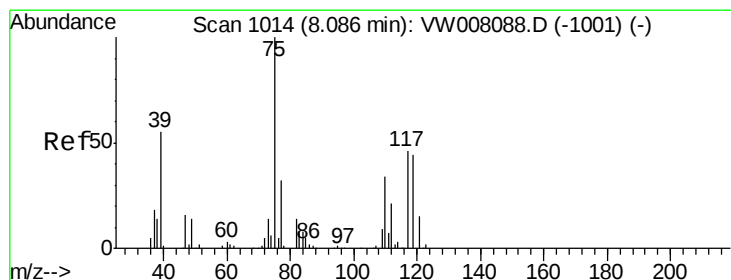
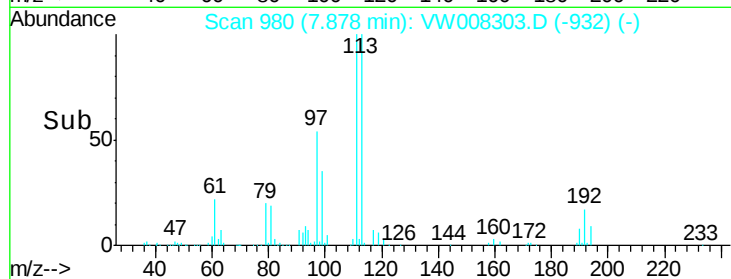
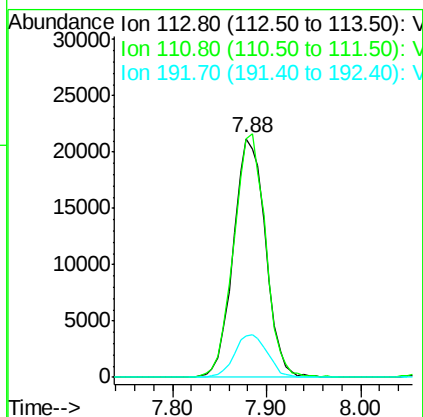
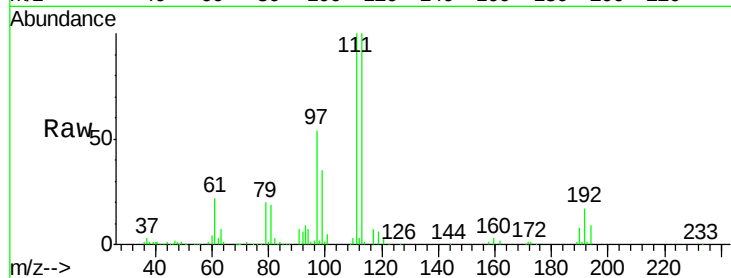




#35
 Dibromofluoromethane
 Concen: 55.227 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

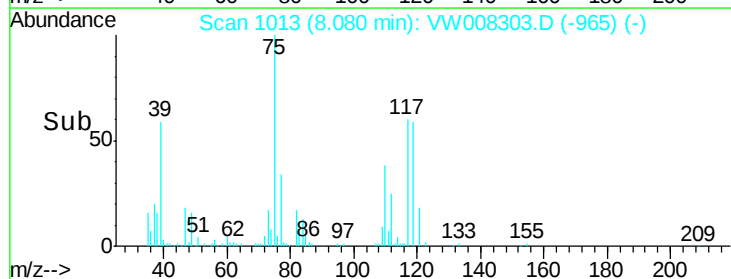
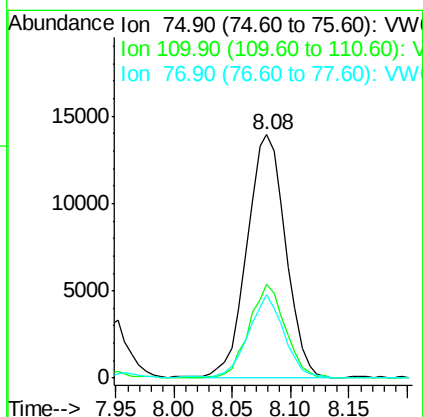
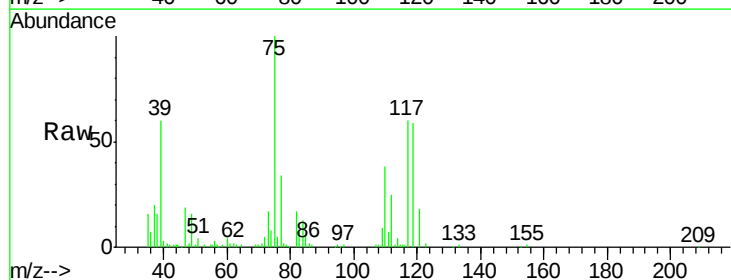
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

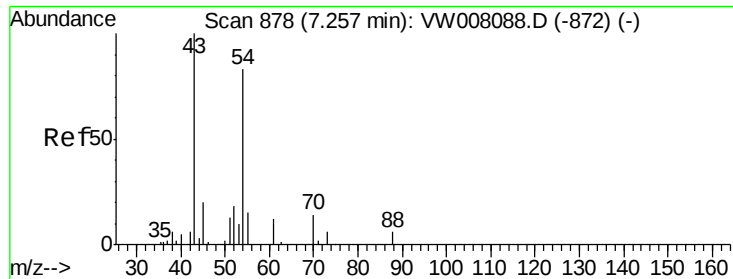
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	18.4	12.8	19.2



#36
 1,1-Dichloropropene
 Concen: 20.095 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.1	51.3
77	31.5	25.5	38.3

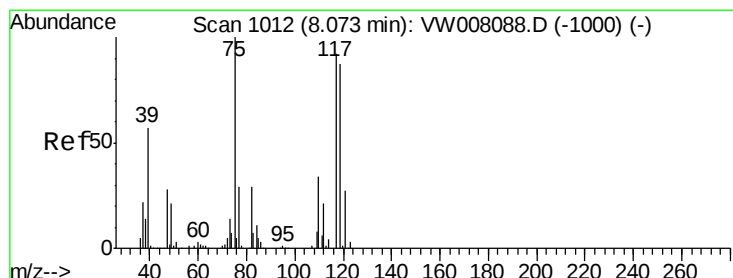
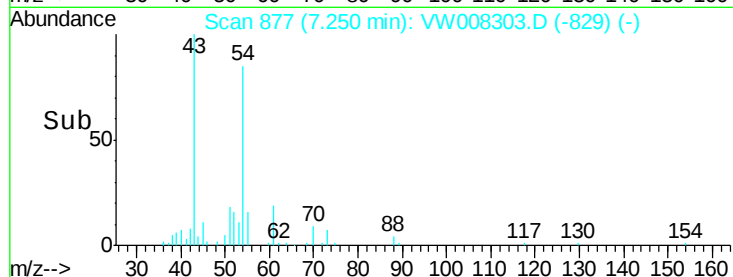
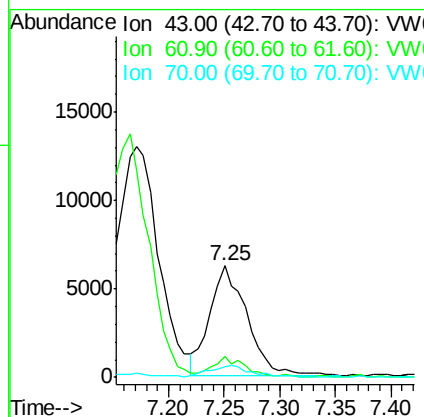
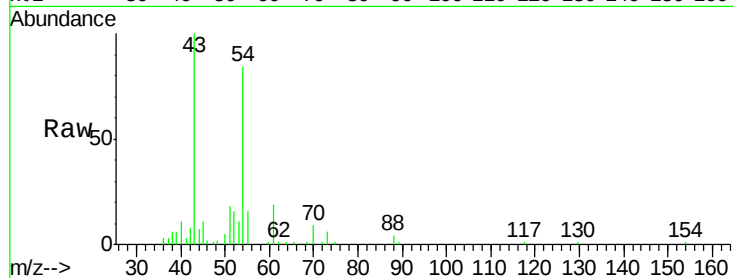




#37
Ethyl Acetate
Concen: 22.345 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

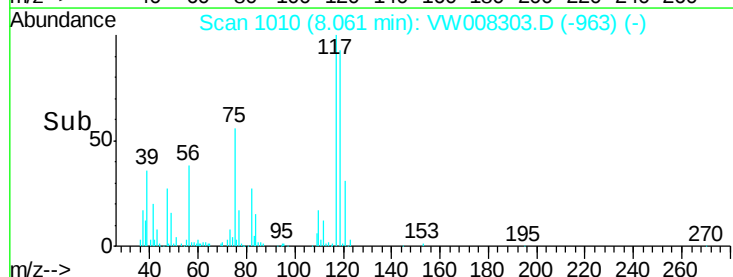
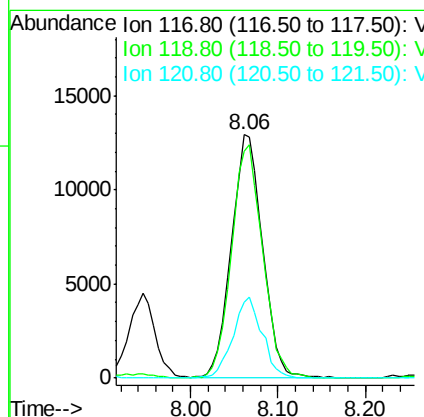
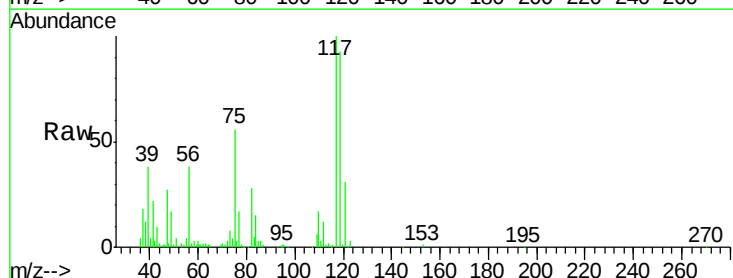
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

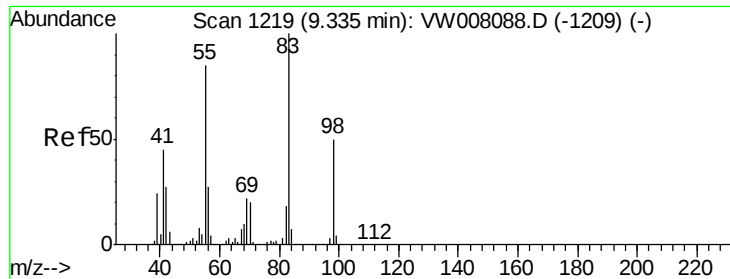
Tot Ion: 43 Resp: 14409
Ion Ratio Lower Upper
43 100
61 13.6 10.6 16.0
70 12.8 8.9 13.3



#38
Carbon Tetrachloride
Concen: 21.834 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 117 Resp: 32165
Ion Ratio Lower Upper
117 100
119 93.1 75.8 113.8
121 31.1 23.7 35.5

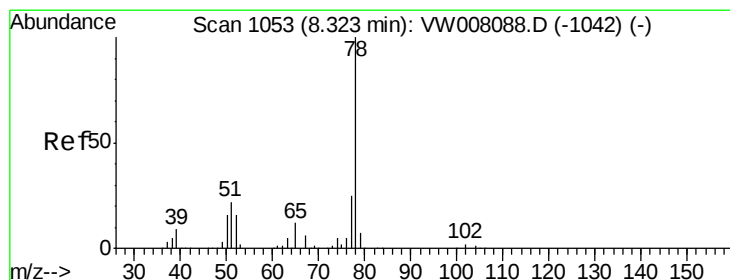
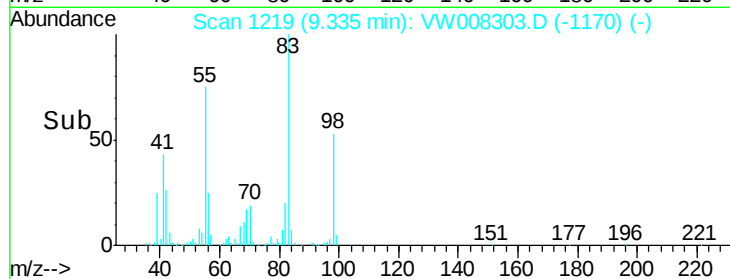
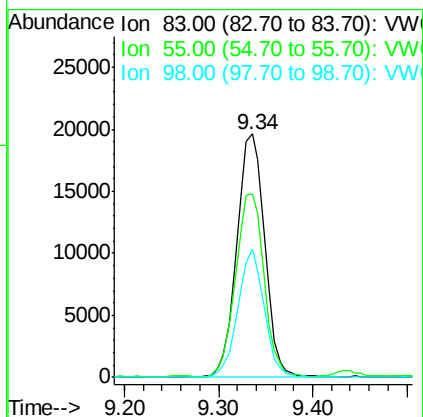
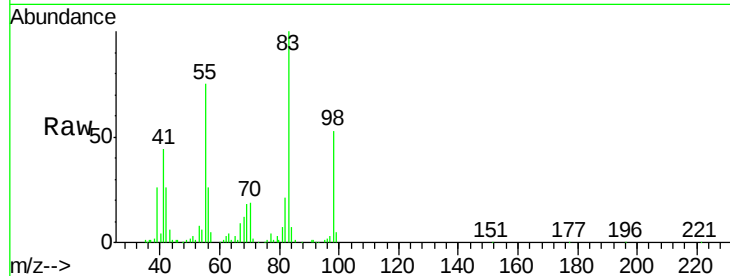




#39
Methvlcvclohexane
Concen: 19.920 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

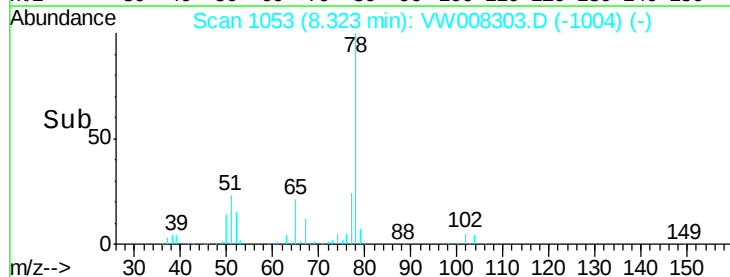
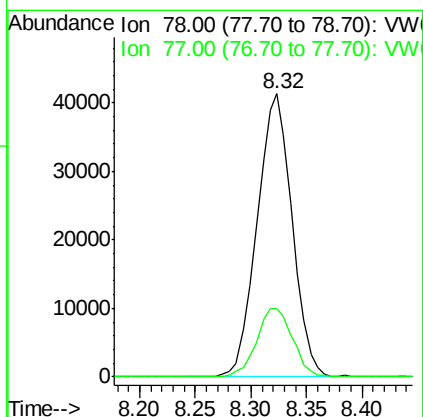
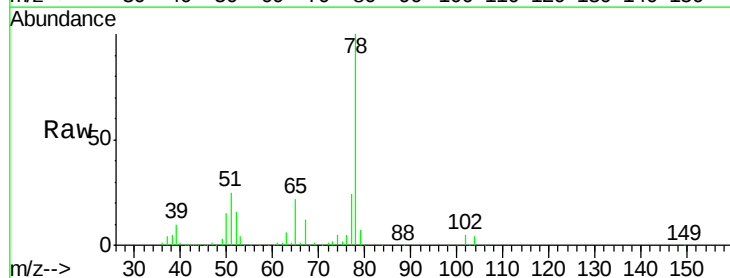
Instrument :
MSVOA_W
ClientSampled :
VW0116SBSD01

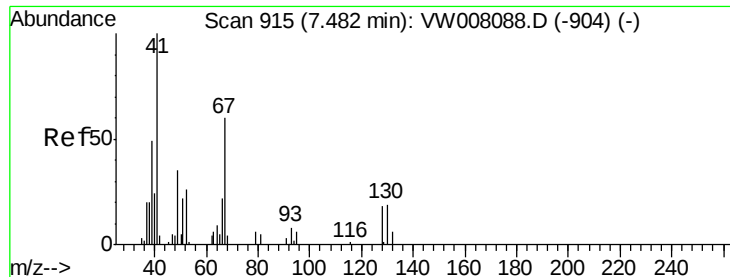
Tot Ion: 83 Resp: 40654
Ion Ratio Lower Upper
83 100
55 74.8 67.8 101.6
98 52.9 40.2 60.4



#40
Benzene
Concen: 20.688 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 78 Resp: 90316
Ion Ratio Lower Upper
78 100
77 24.1 20.2 30.4

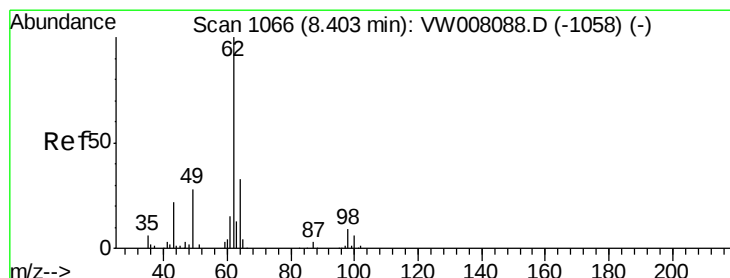
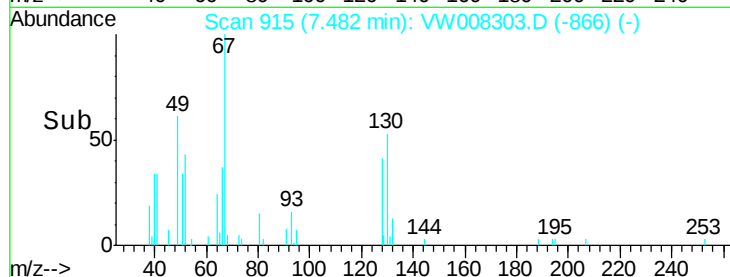
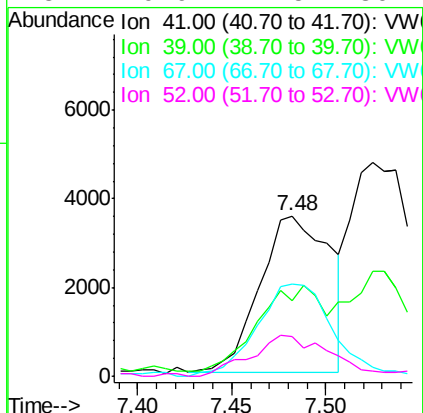
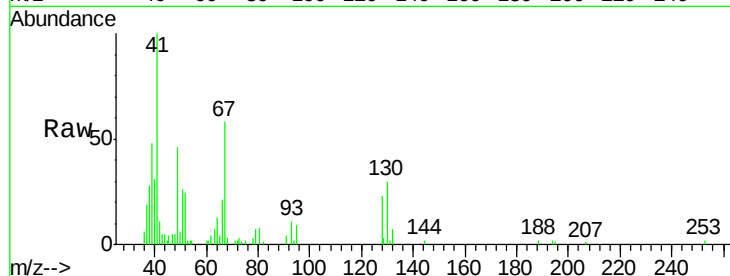




#41
Methacrylonitrile
Concen: 22.556 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

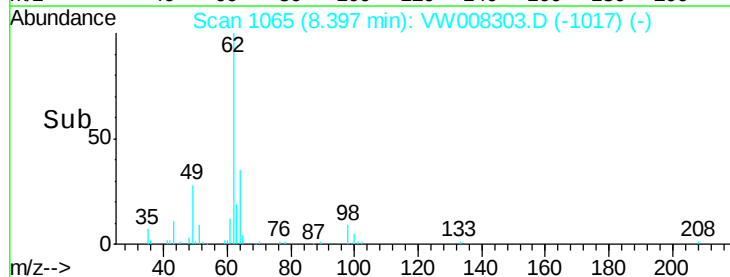
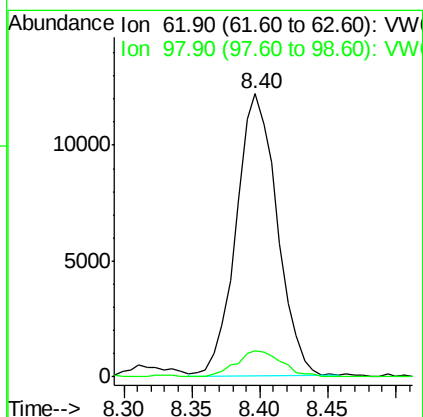
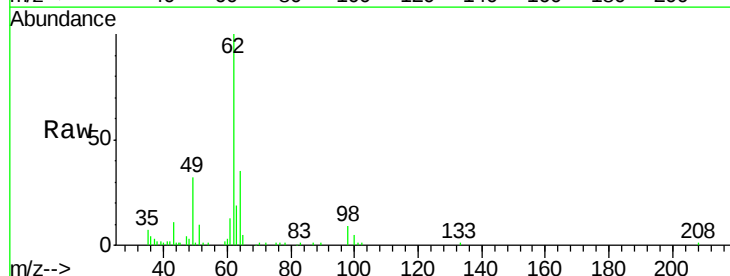
Instrument :
MSVOA_W
ClientSampled :
VW0116SBSD01

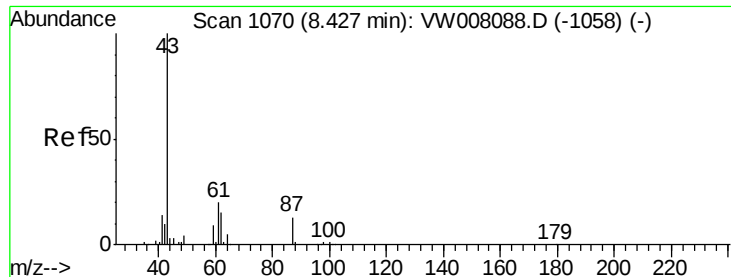
Tot Ion:	41	Resp:	9188
Ion	Ratio	Lower	Upper
41	100		
39	48.9	47.9	71.9
67	62.9	56.3	84.5
52	29.9	24.5	36.7



#42
1,2-Dichloroethane
Concen: 20.860 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion:	62	Resp:	25613
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.400 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

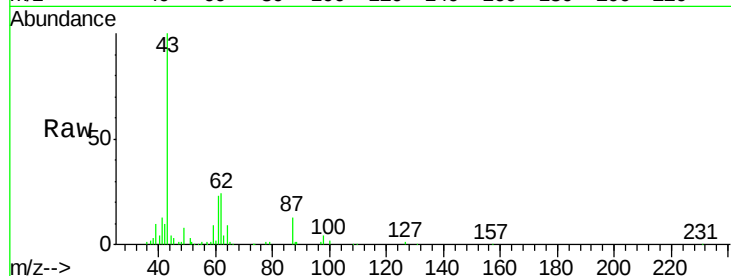
MSVOA_W

ClientSampled :

VW0116SBSD01

Tot Ion: 43 Resp: 27590

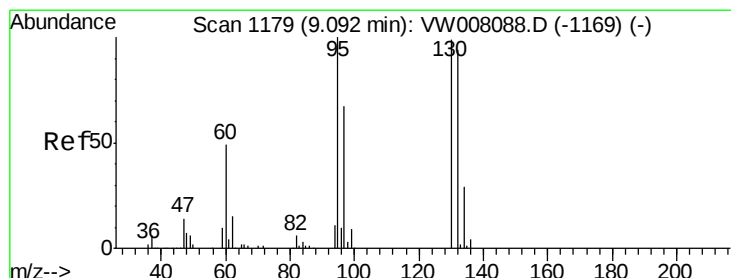
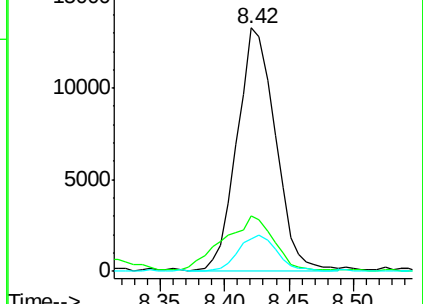
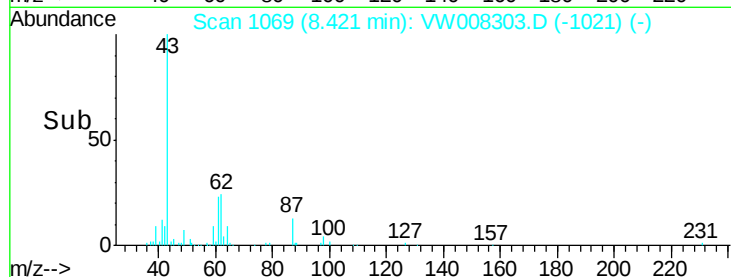
Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.8	37.2
87	14.9	10.4	15.6



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: 22.338 ug/l

RT: 9.09 min Scan# 1179

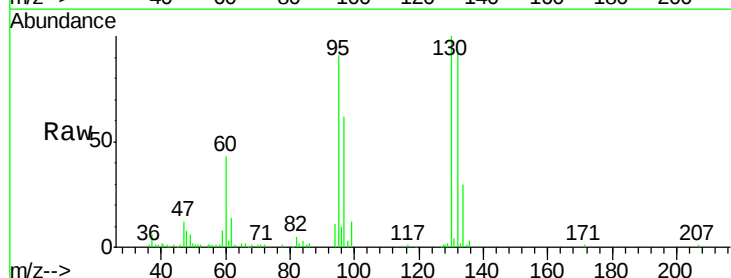
Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

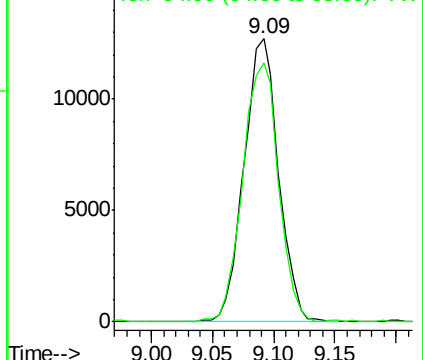
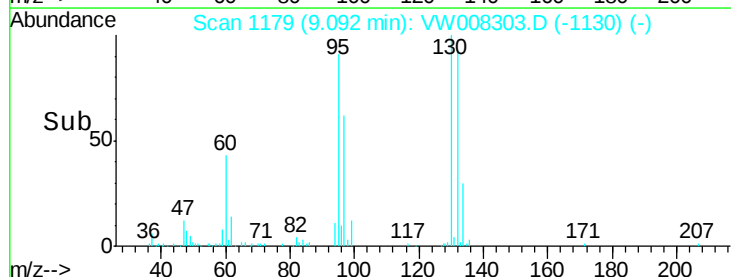
Tgt Ion: 130 Resp: 24963

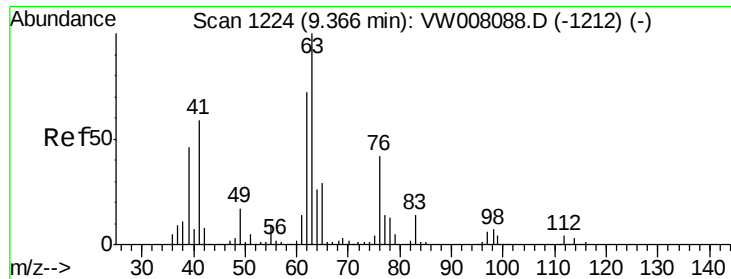
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	202.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

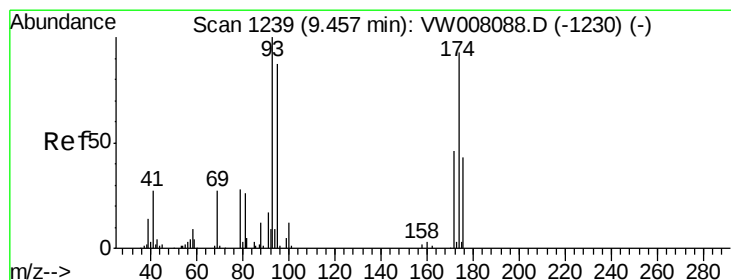
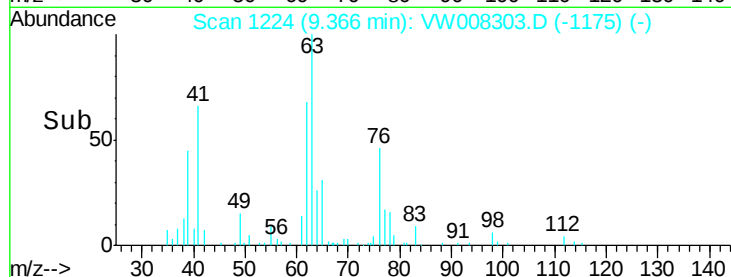
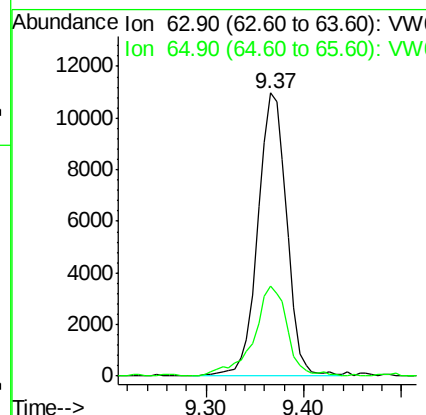
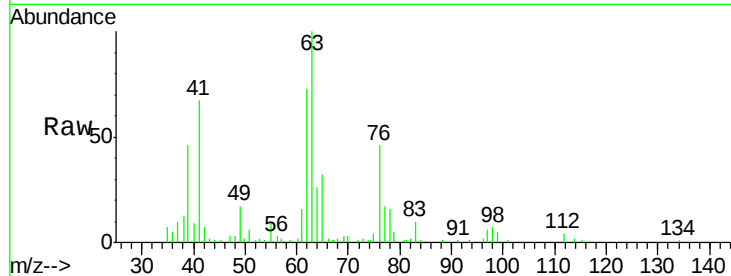




#45
 1,2-Dichloropropane
 Concen: 20.874 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

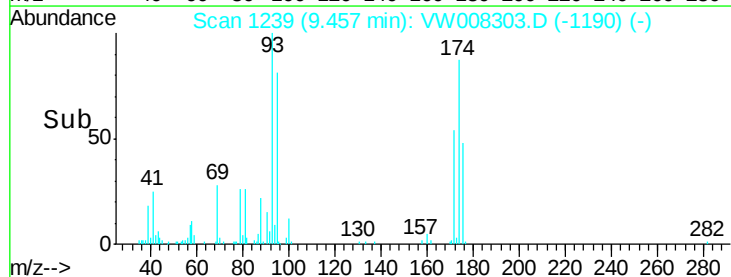
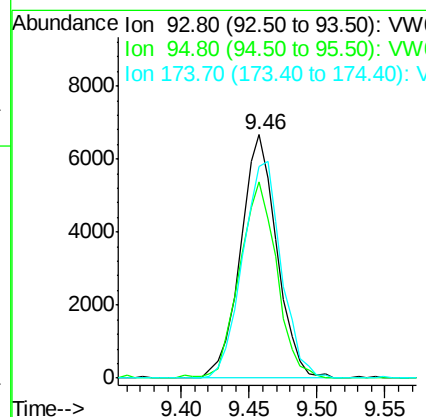
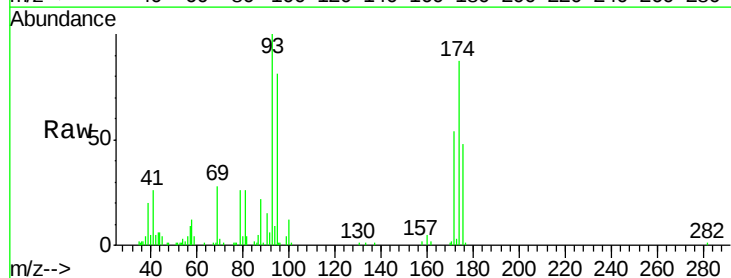
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBS01

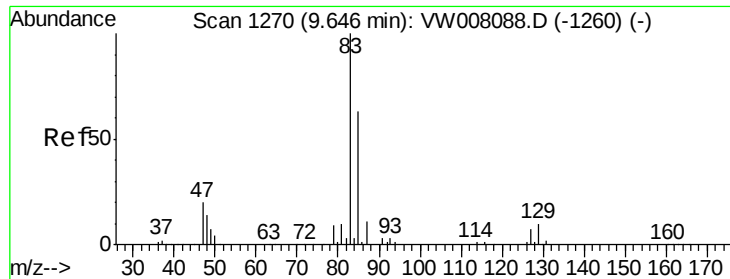
Tot Ion: 63 Resp: 22595
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.3 34.9



#46
 Dibromomethane
 Concen: 23.301 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion: 93 Resp: 12387
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.5 101.3
 174 95.2 72.5 108.7





#47

Bromodichloromethane

Concen: 21.795 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

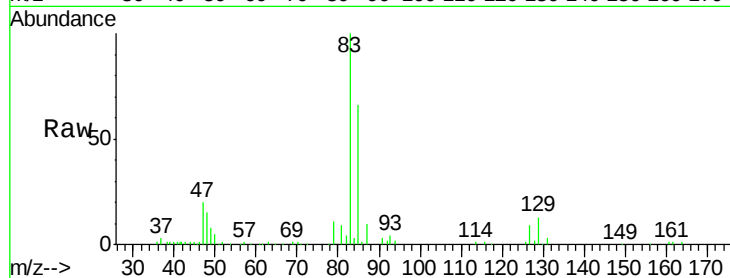
Tot Ion: 83 Resp: 29420

Ion Ratio Lower Upper

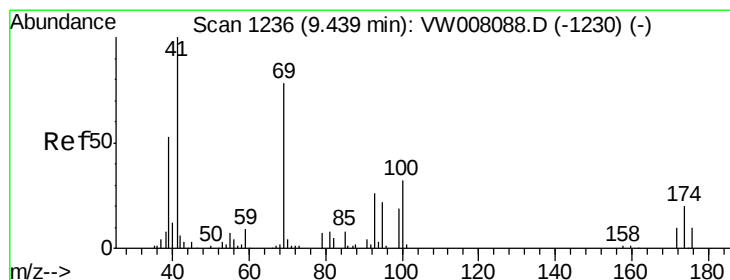
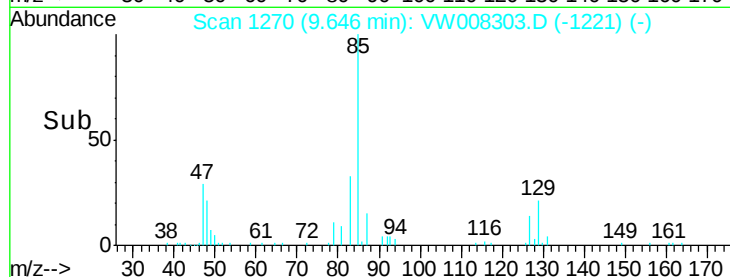
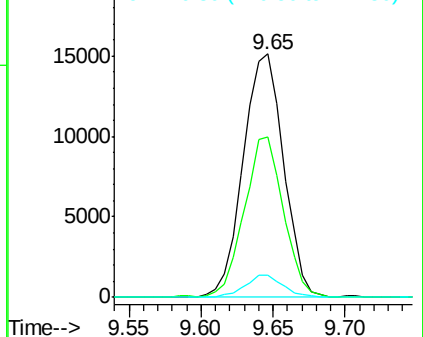
83 100

85 66.0 50.7 76.1

127 9.2 6.0 9.0#



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): V



#48

Methyl methacrylate

Concen: 20.669 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

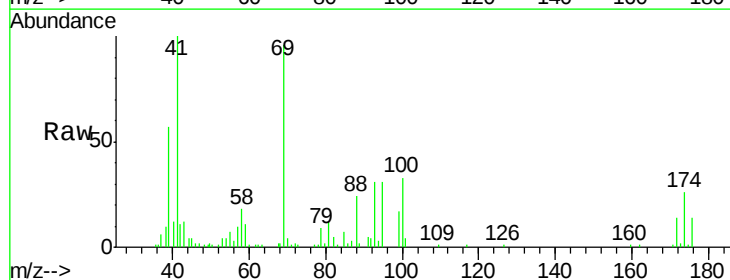
Tgt Ion: 41 Resp: 12574

Ion Ratio Lower Upper

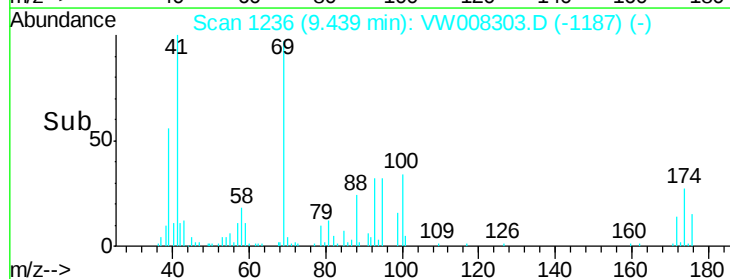
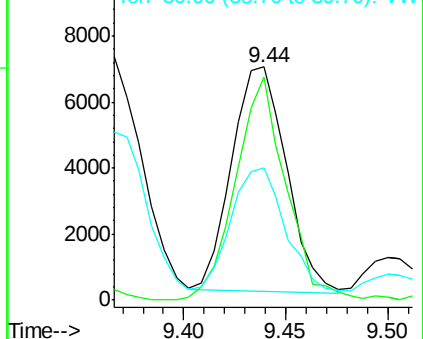
41 100

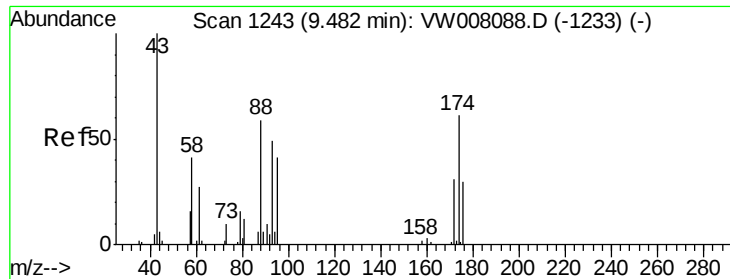
69 92.4 61.9 92.9

39 54.1 43.0 64.4



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

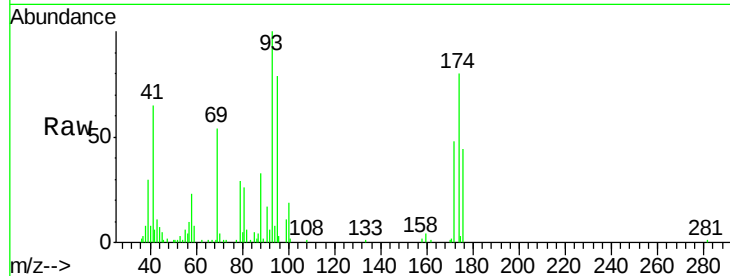




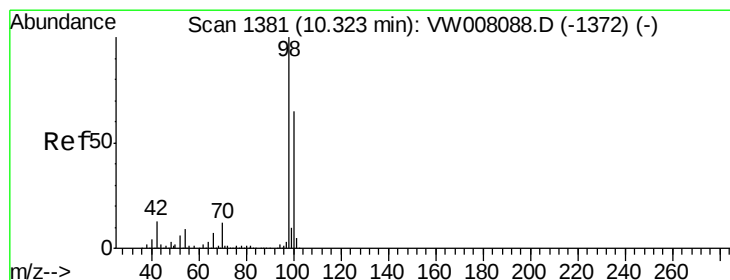
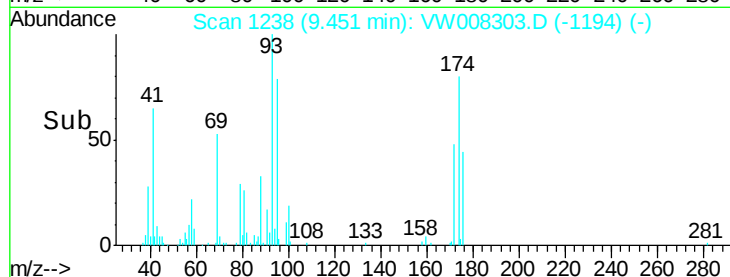
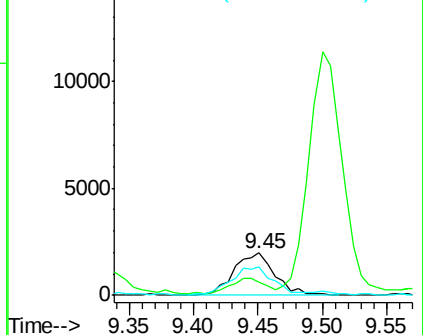
#49
1,4-Dioxane
Concen: 508.587 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

Tot Ion: 88 Resp: 4348
Ion Ratio Lower Upper
88 100
43 30.1 0.0 0.0#
58 68.3 61.7 92.5

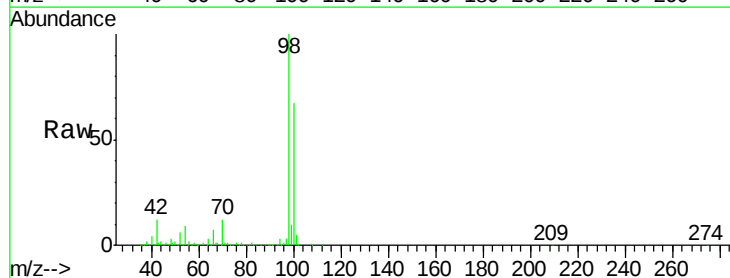


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

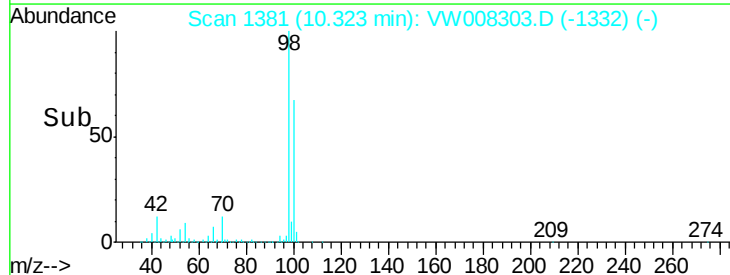
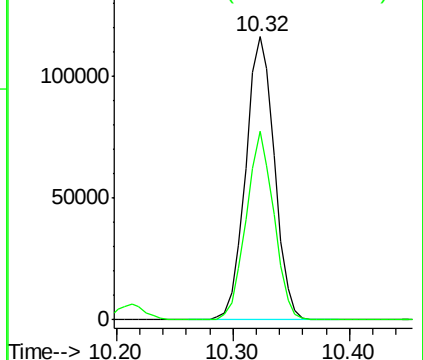


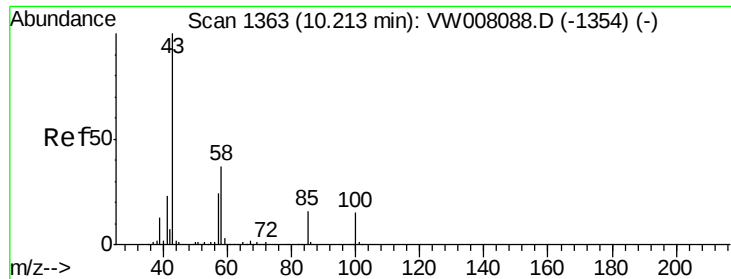
#50
Toluene-d8
Concen: 52.281 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 98 Resp: 199934
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 113.372 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

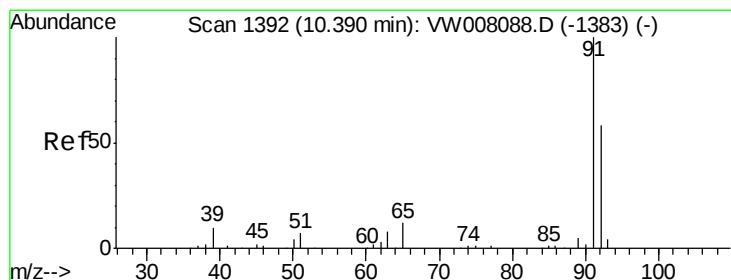
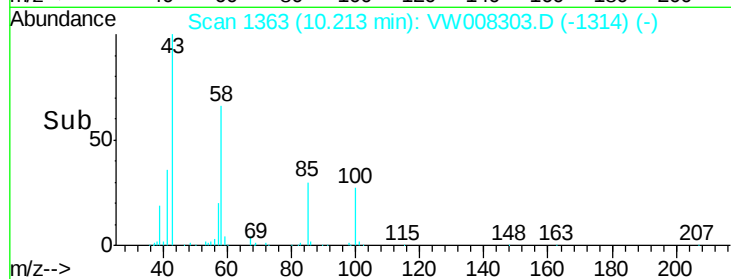
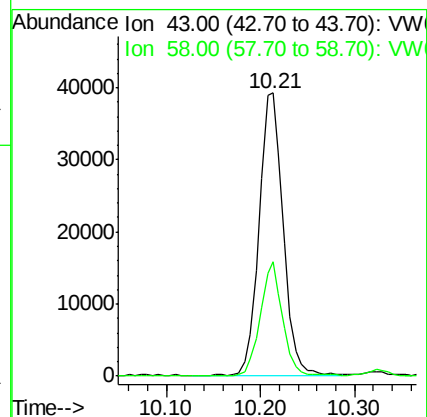
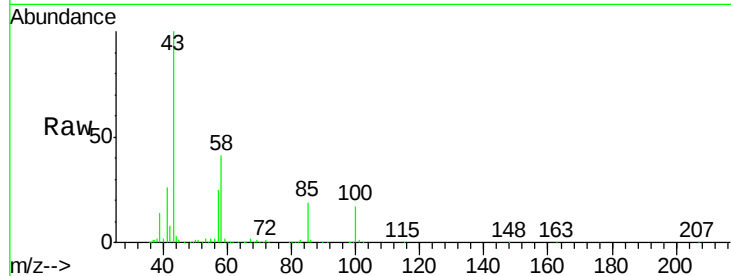
VW0116SBSD01

Tot Ion: 43 Resp: 70753

Ion Ratio Lower Upper

43 100

58 37.8 30.6 46.0



#52

Toluene

Concen: 21.090 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008303.D

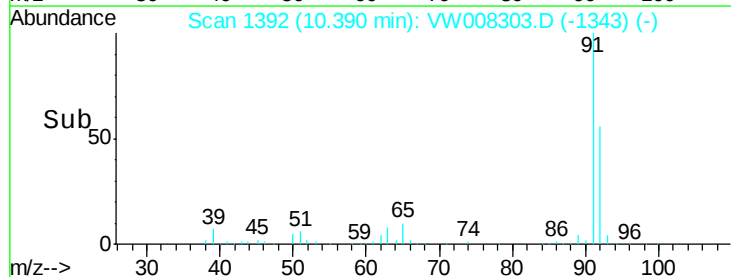
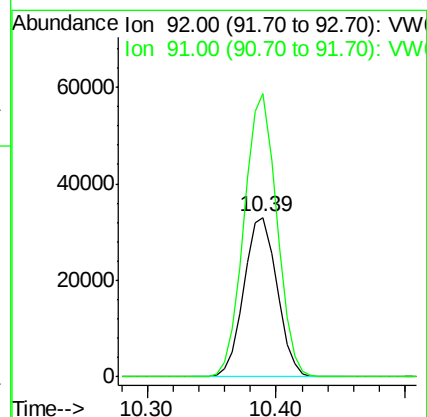
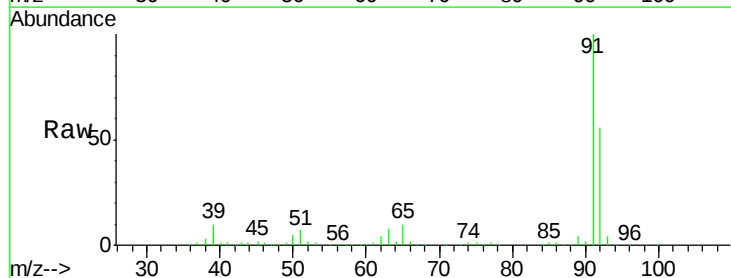
Acq: 16 Jan 2019 12:54

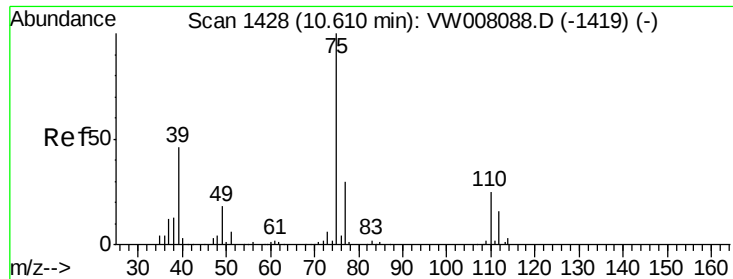
Tgt Ion: 92 Resp: 58798

Ion Ratio Lower Upper

92 100

91 175.1 137.0 205.4

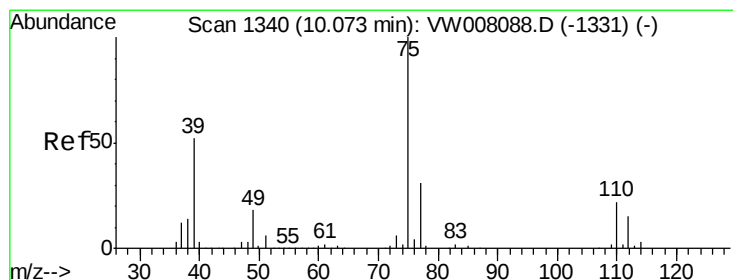
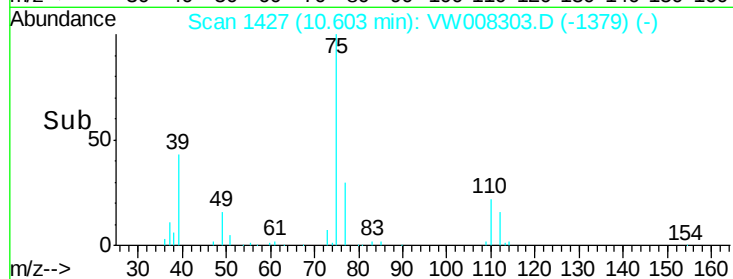
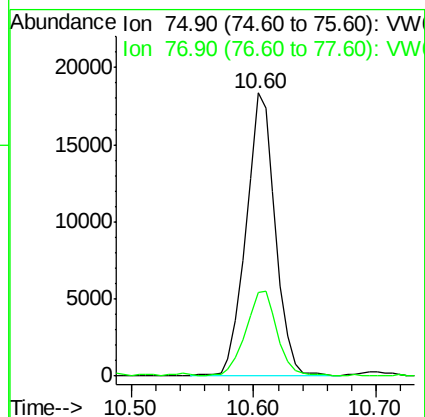
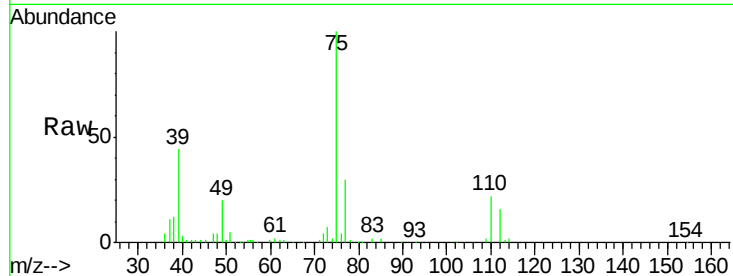




#53
 t-1,3-Dichloropropene
 Concen: 21.699 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

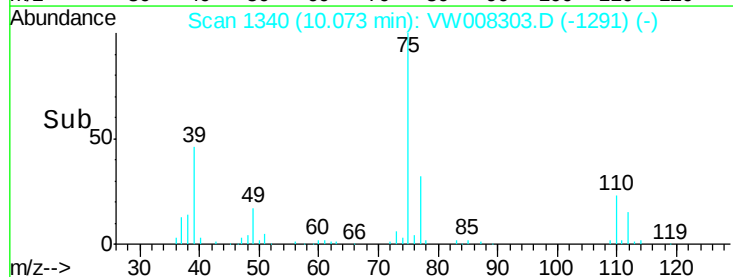
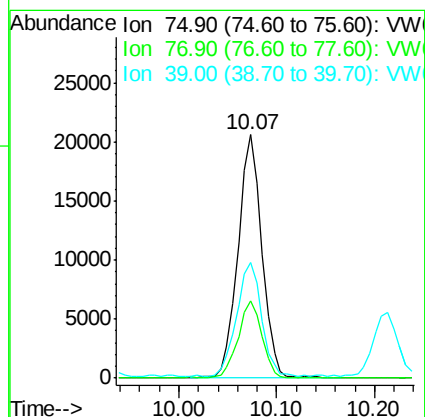
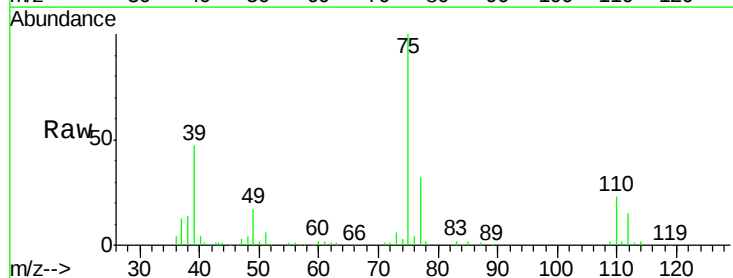
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

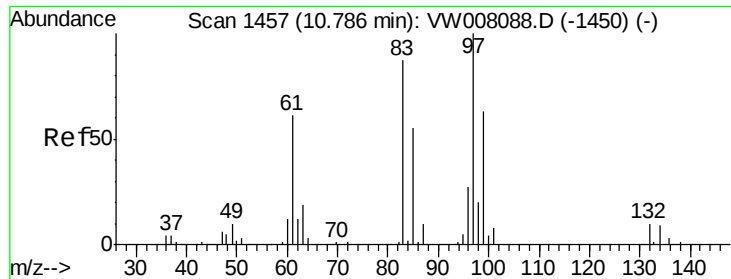
Tot Ion: 75 Resp: 30467
 Ion Ratio Lower Upper
 75 100
 77 29.5 24.4 36.6



#54
 cis-1,3-Dichloropropene
 Concen: 21.049 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion: 75 Resp: 35046
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8
 39 46.6 41.4 62.0

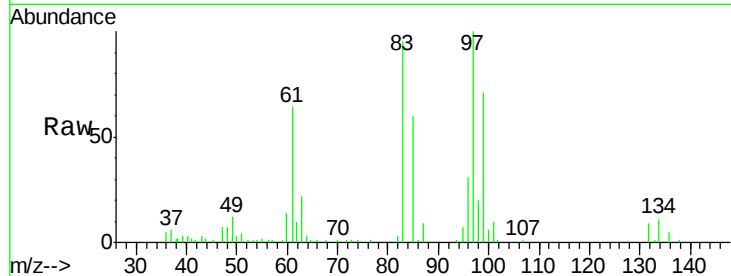




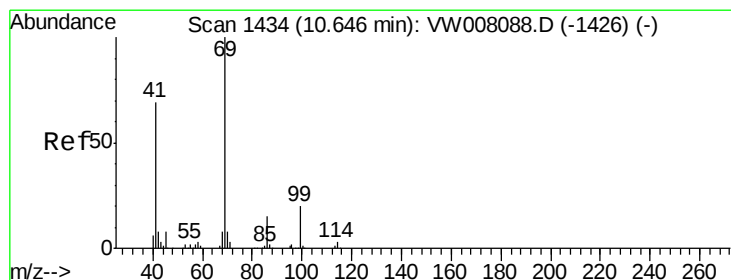
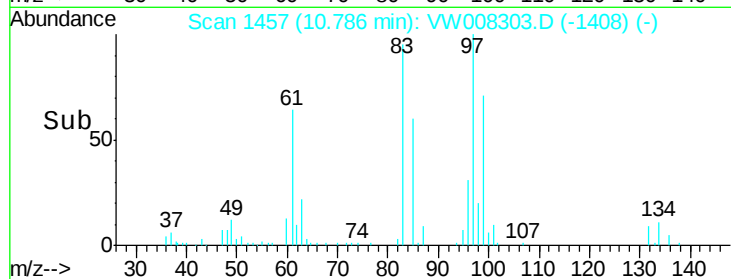
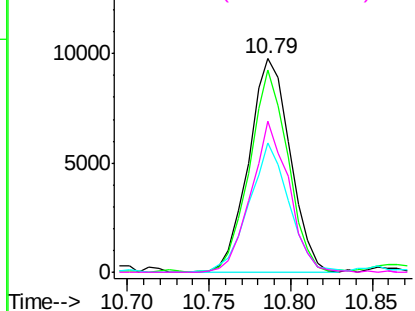
#55
 1,1,2-Trichloroethane
 Concen: 23.207 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Tot Ion:	97	Resp:	17321
Ion	Ratio	Lower	Upper
97	100		
83	94.9	69.3	103.9
85	60.5	43.8	65.6
99	70.6	50.0	75.0

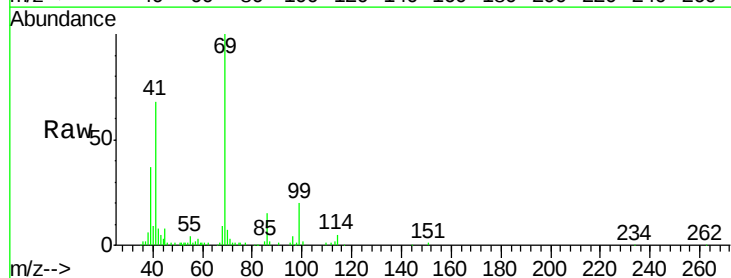


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

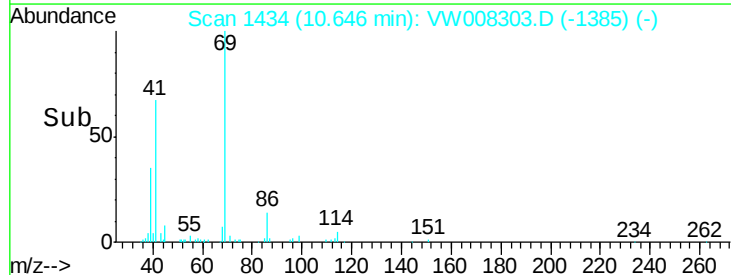
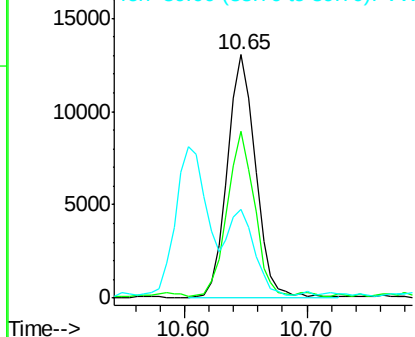


#56
 Ethyl methacrylate
 Concen: 22.598 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion:	69	Resp:	20888
Ion	Ratio	Lower	Upper
69	100		
41	64.5	56.4	84.6
39	33.6	28.1	42.1



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: 21.498 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

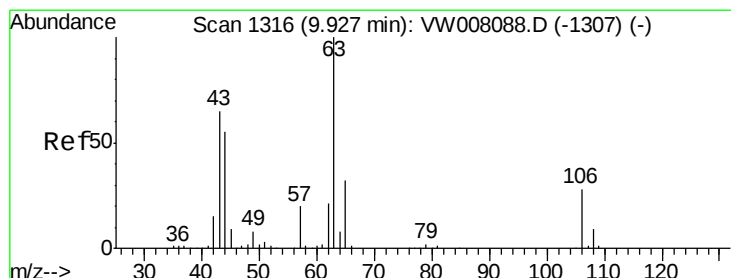
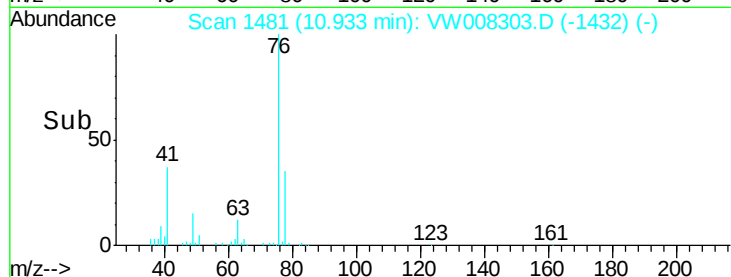
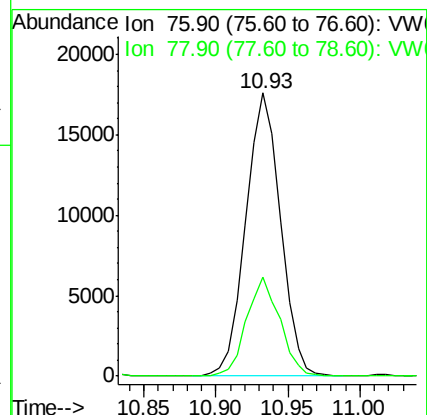
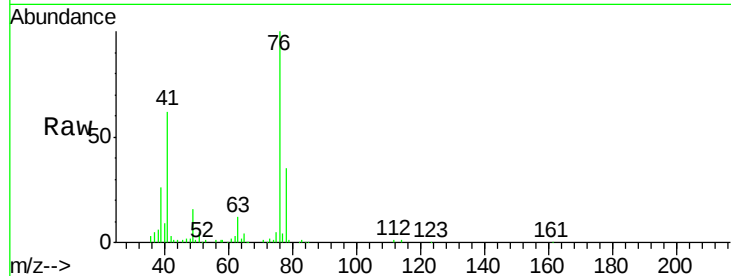
VW0116SBSD01

Tot Ion: 76 Resp: 29345

Ion Ratio Lower Upper

76 100

78 33.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 111.700 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008303.D

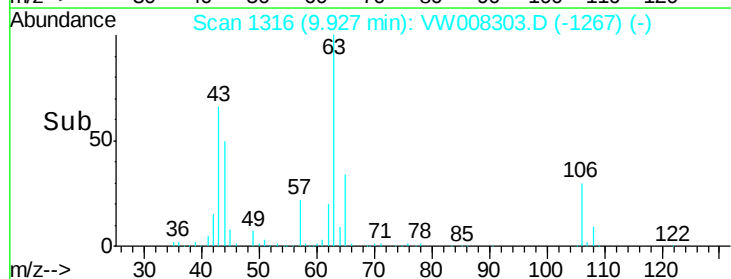
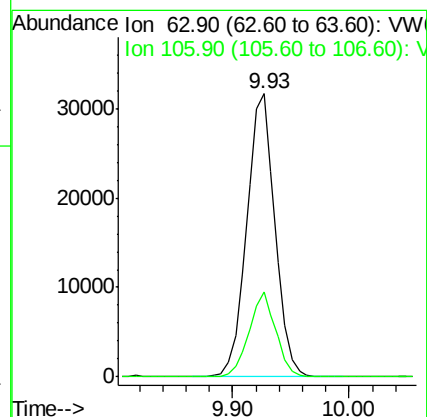
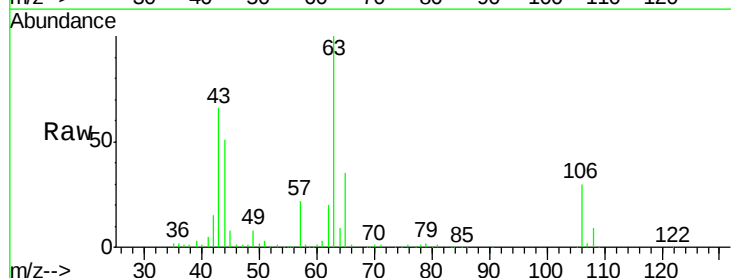
Acq: 16 Jan 2019 12:54

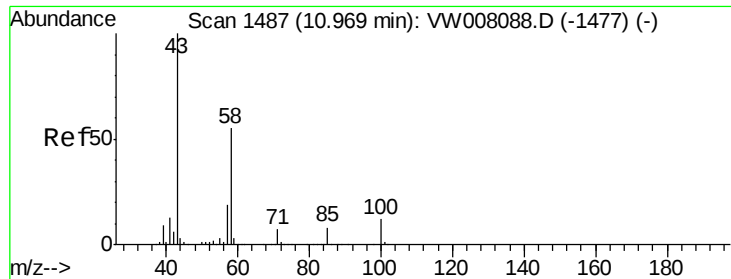
Tgt Ion: 63 Resp: 53332

Ion Ratio Lower Upper

63 100

106 28.4 21.8 32.6

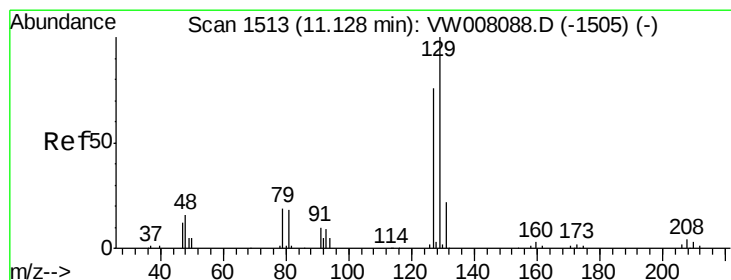
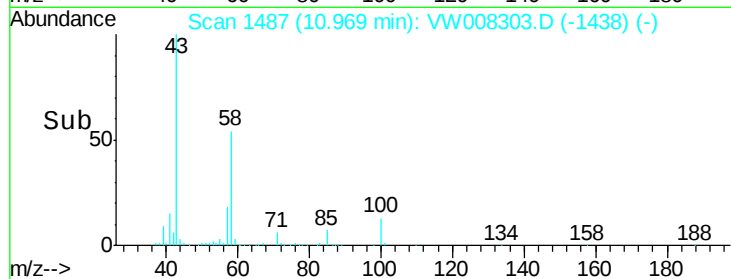
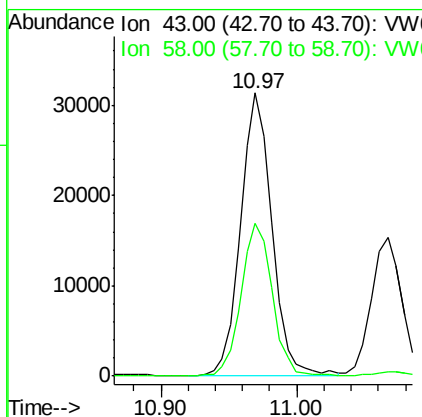
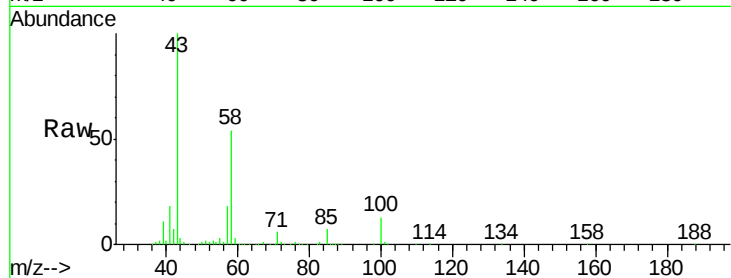




#59
2-Hexanone
Concen: 119.951 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

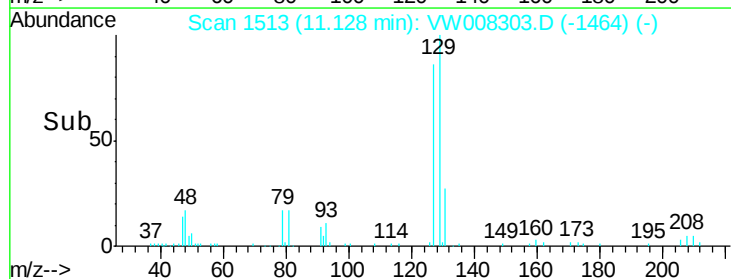
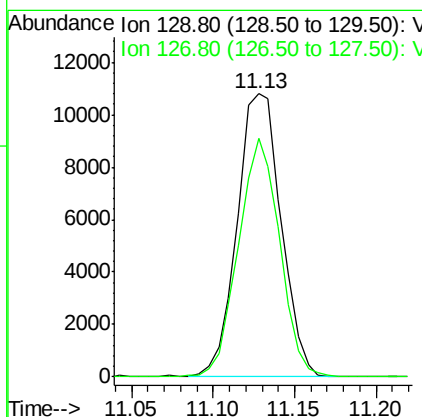
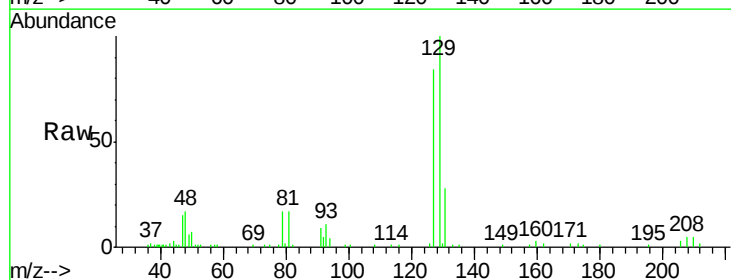
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

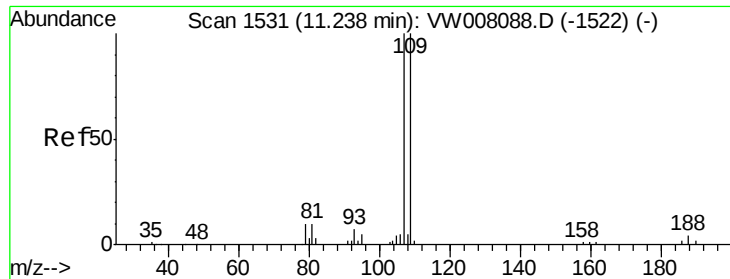
Tot Ion: 43 Resp: 50623
Ion Ratio Lower Upper
43 100
58 54.1 27.2 81.5



#60
Dibromochloromethane
Concen: 24.733 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 129 Resp: 20271
Ion Ratio Lower Upper
129 100
127 79.1 38.9 116.6

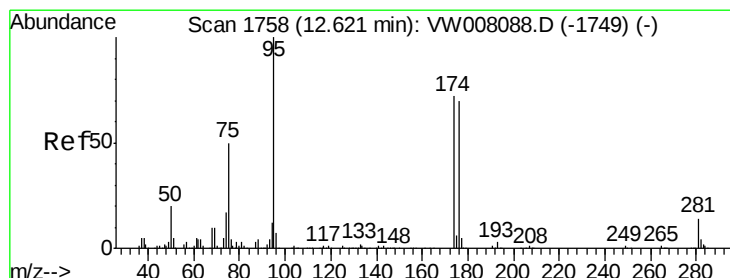
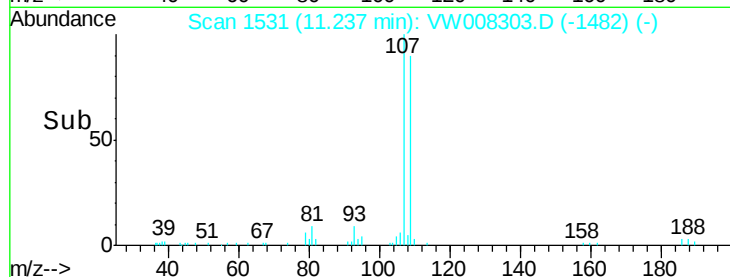
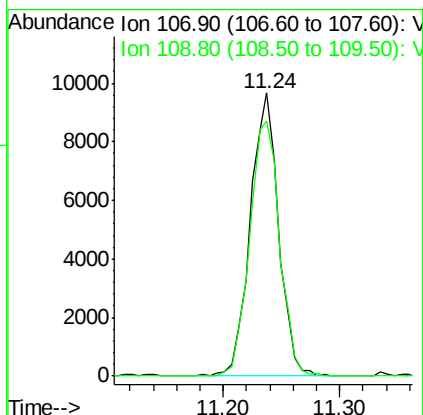
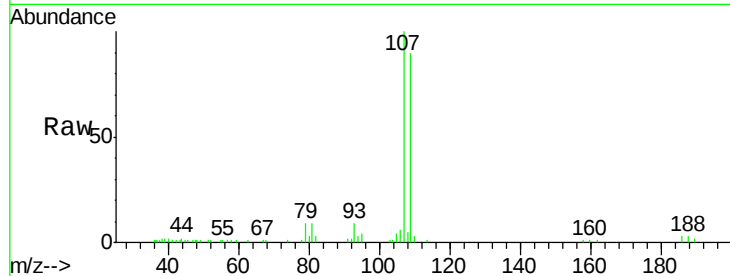




#61
 1,2-Dibromoethane
 Concen: 23.105 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

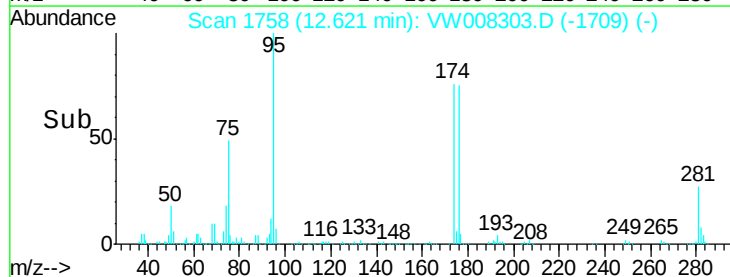
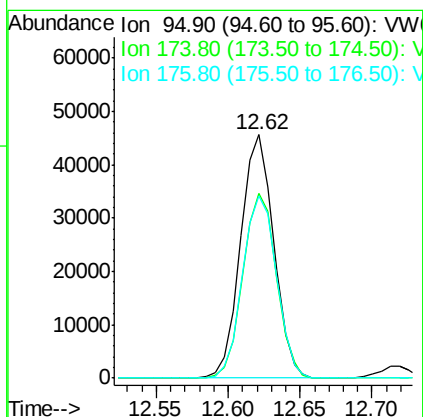
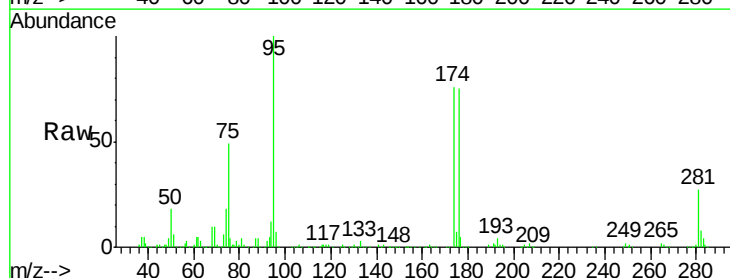
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0116SBSD01

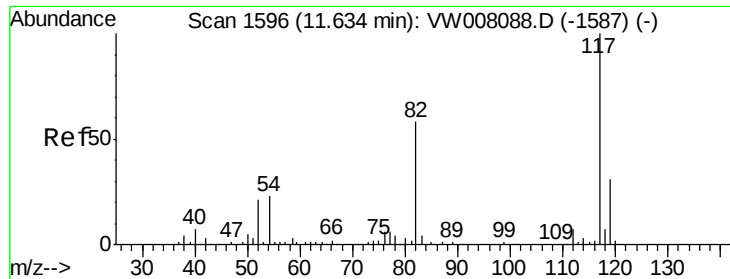
Tot Ion: 107 Resp: 16363
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 53.046 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion: 95 Resp: 72725
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 143.0
 176 76.4 0.0 140.2

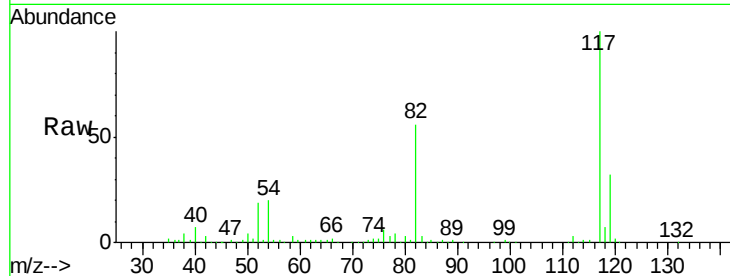




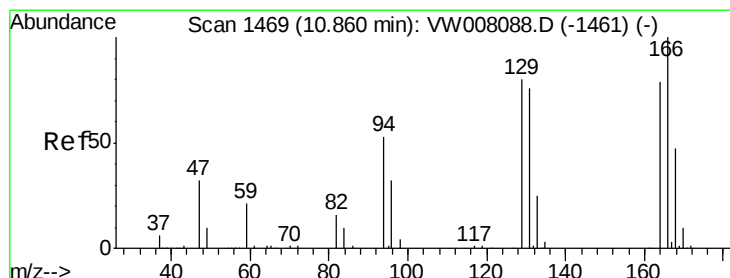
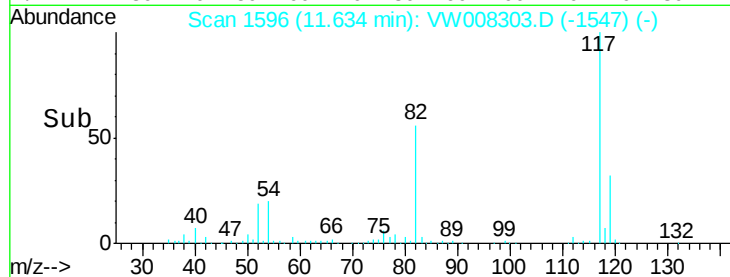
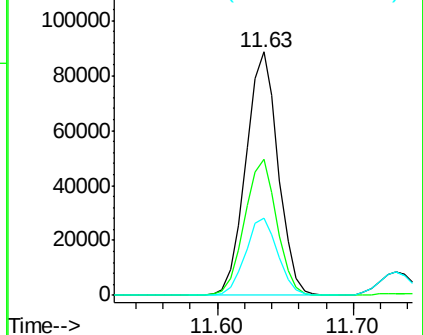
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

Tot Ion:117 Resp: 147047
Ion Ratio Lower Upper
117 100
82 55.6 46.4 69.6
119 31.6 24.7 37.1

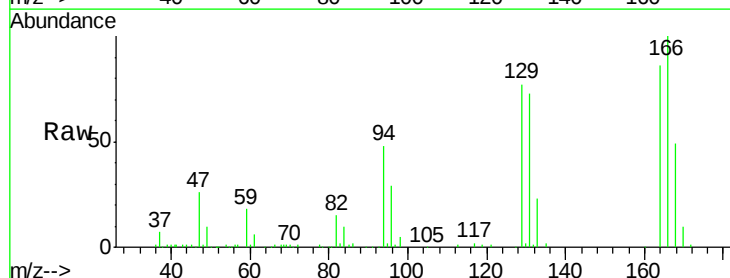


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

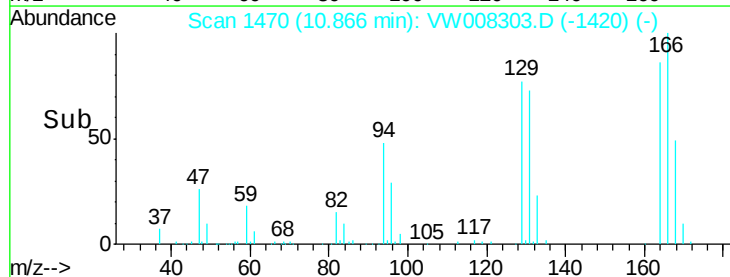
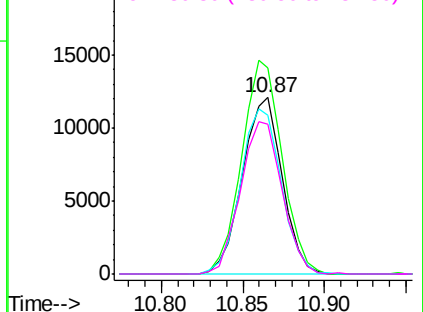


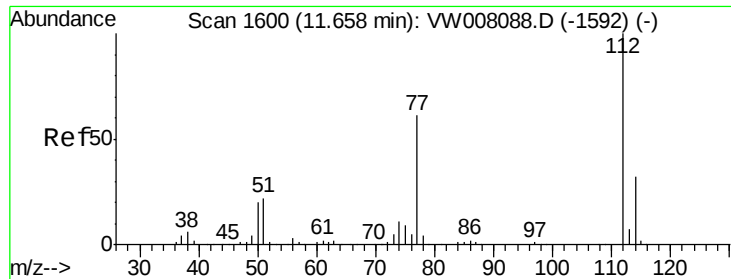
#64
Tetrachloroethene
Concen: 21.529 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion:164 Resp: 20603
Ion Ratio Lower Upper
164 100
166 116.7 100.7 151.1
129 90.0 81.0 121.4
131 84.6 76.1 114.1



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





#65

Chlorobenzene

Concen: 20.806 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

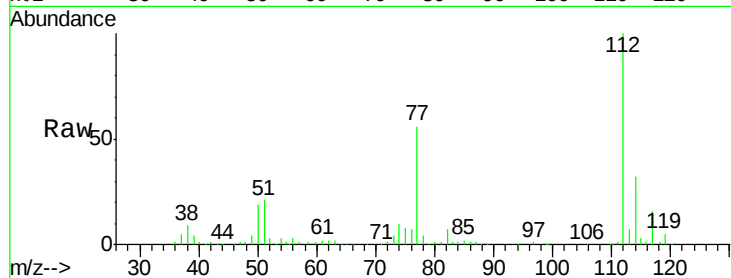
VW0116SBSD01

Tot Ion:112 Resp: 64817

Ion Ratio Lower Upper

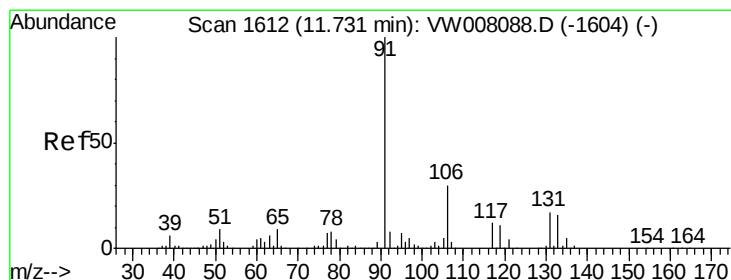
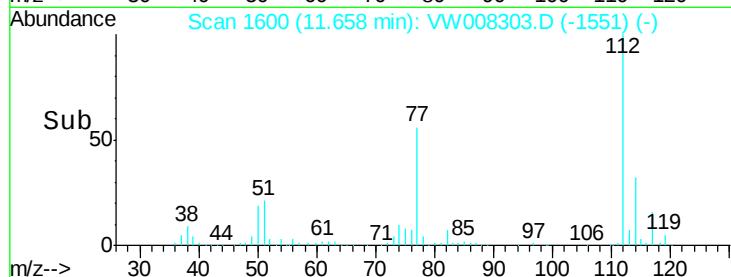
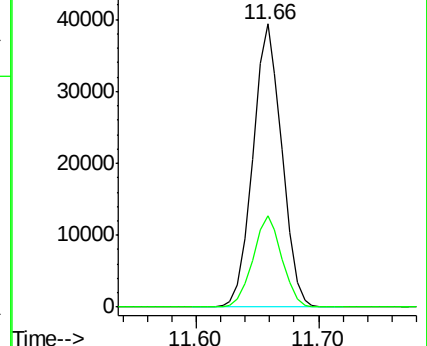
112 100

114 32.1 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.412 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

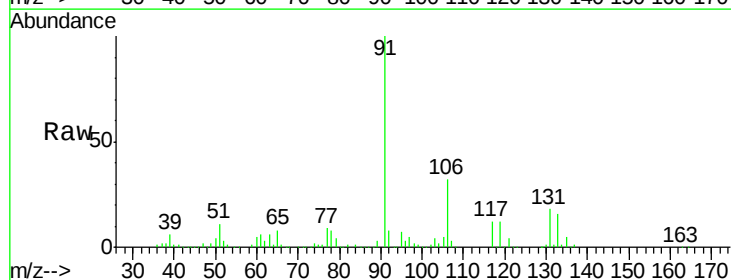
Tgt Ion:131 Resp: 22709

Ion Ratio Lower Upper

131 100

133 93.9 47.9 143.7

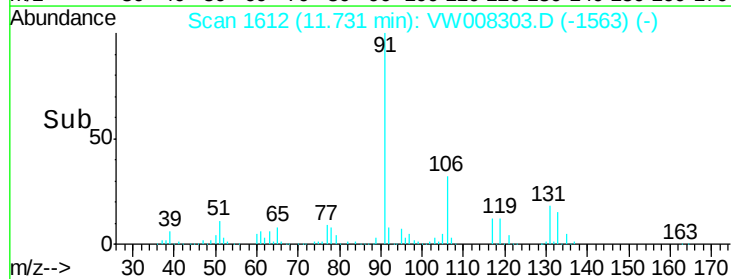
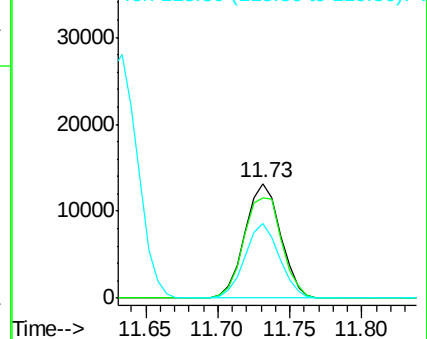
119 62.9 32.5 97.4

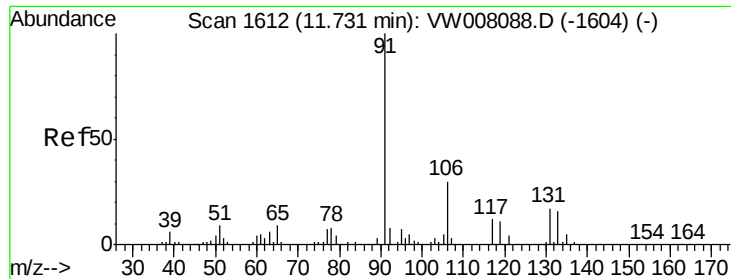


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.933 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleID :

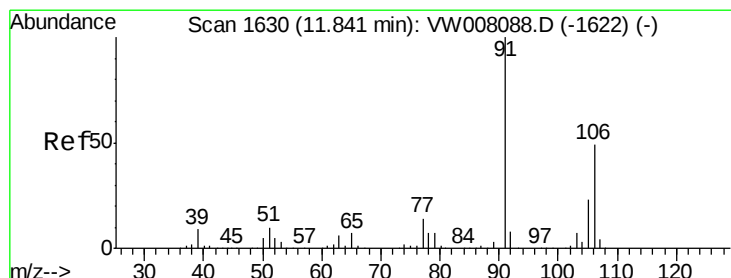
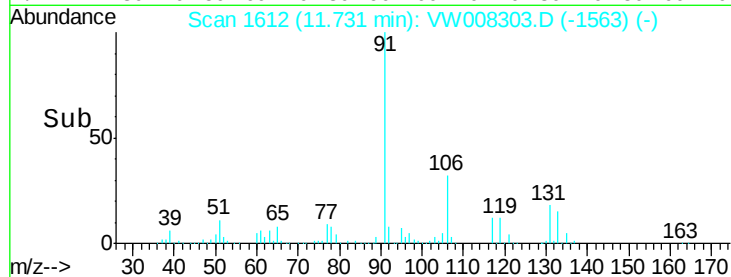
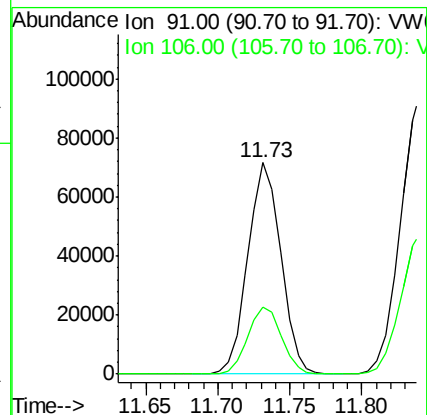
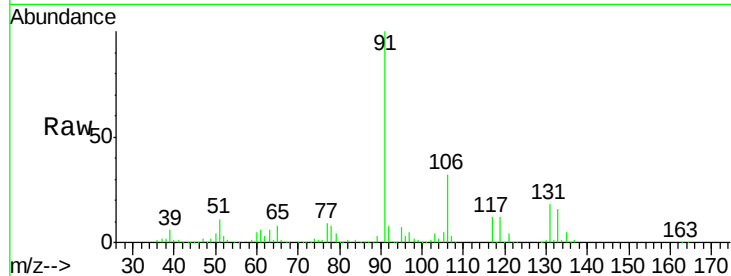
VW0116SBSD01

Tot Ion: 91 Resp: 113619

Ion Ratio Lower Upper

91 100

106 31.7 24.2 36.4



#68

m/p-Xylenes

Concen: 41.680 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW008303.D

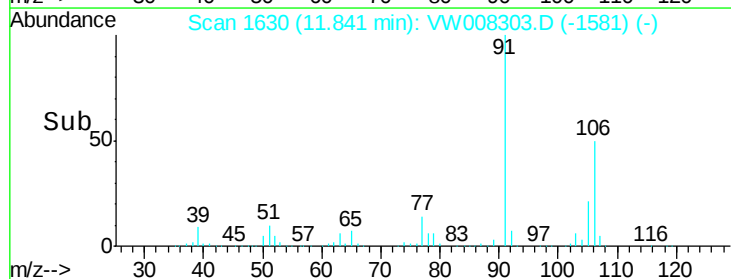
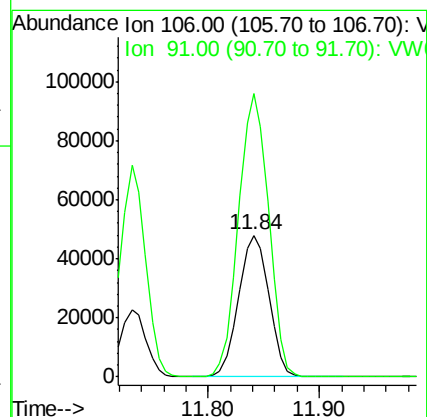
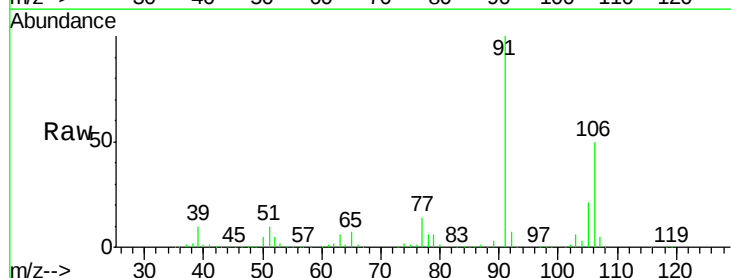
Acq: 16 Jan 2019 12:54

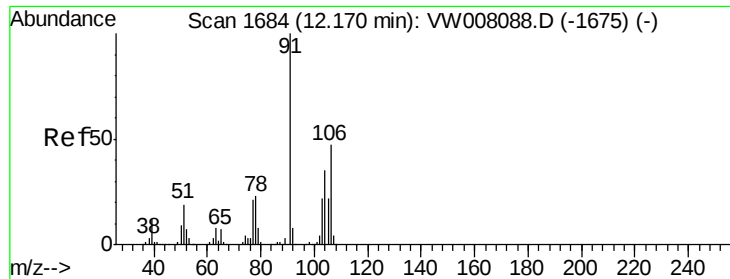
Tgt Ion: 106 Resp: 90683

Ion Ratio Lower Upper

106 100

91 198.0 162.4 243.6

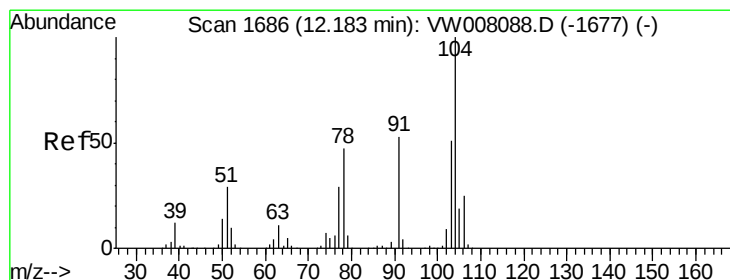
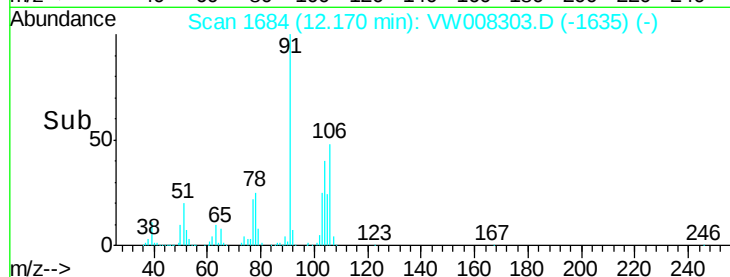
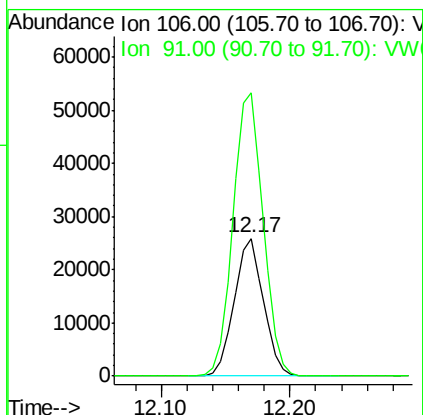
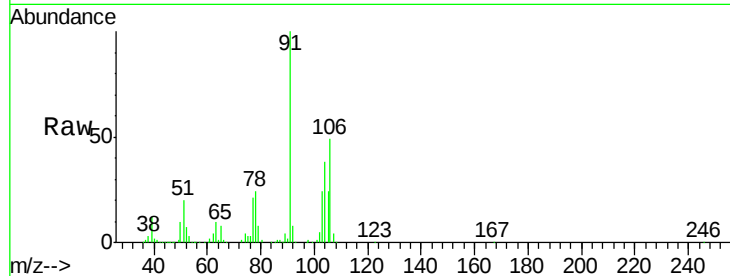




#69
o-Xylene
Concen: 20.276 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

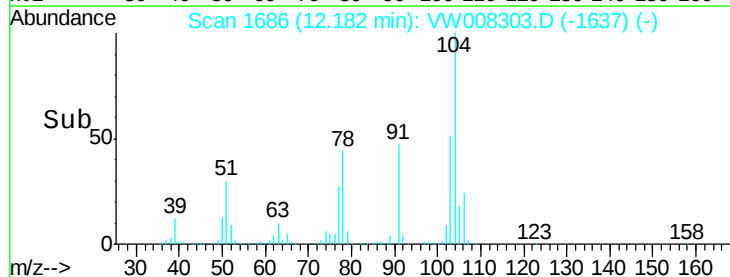
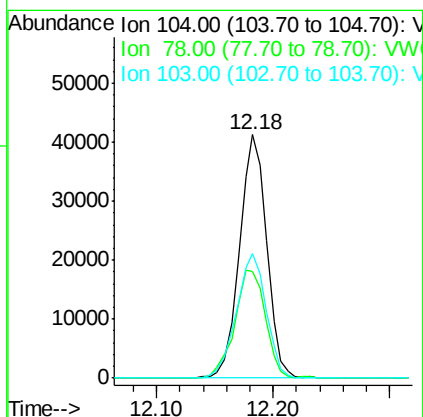
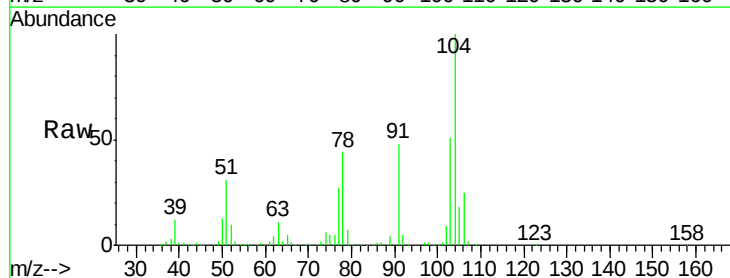
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBS01

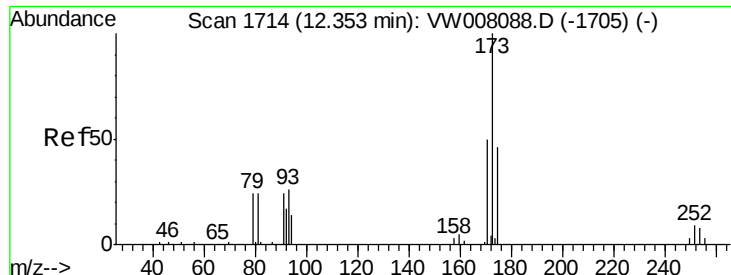
Tot Ion:106 Resp: 40851
Ion Ratio Lower Upper
106 100
91 212.0 107.8 323.6



#70
Styrene
Concen: 21.267 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion:104 Resp: 67113
Ion Ratio Lower Upper
104 100
78 50.5 41.8 62.8
103 56.2 43.8 65.8





#71

Bromoform

Concen: 24.742 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

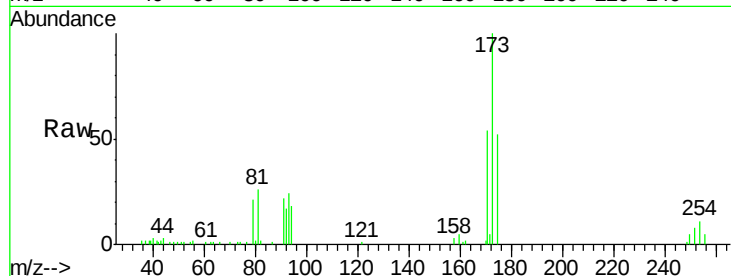
Tot Ion:173 Resp: 11220

Ion Ratio Lower Upper

173 100

175 48.9 23.3 69.8

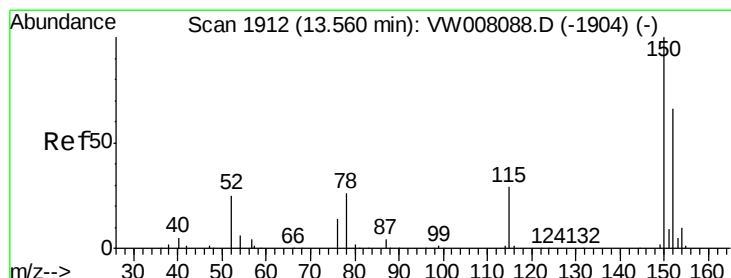
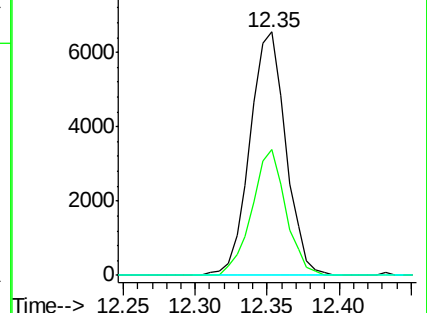
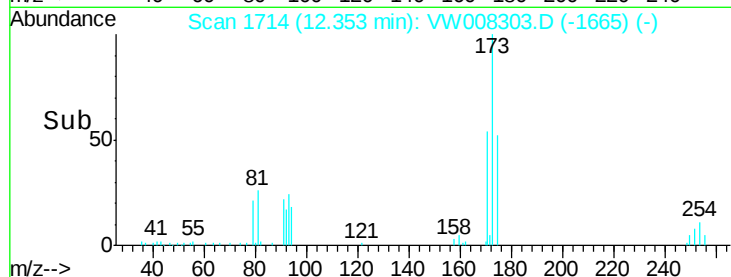
254 0.0 0.0 0.0



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: VW008303.D

Acq: 16 Jan 2019 12:54

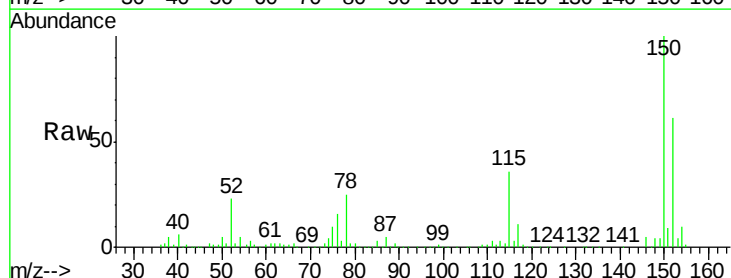
Tgt Ion:152 Resp: 76552

Ion Ratio Lower Upper

152 100

115 58.3 30.8 92.4

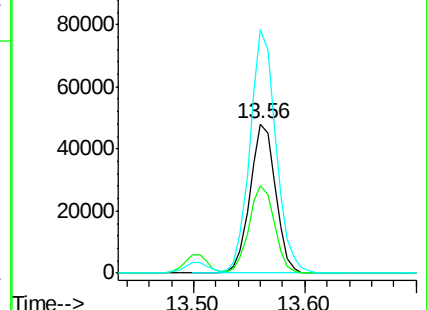
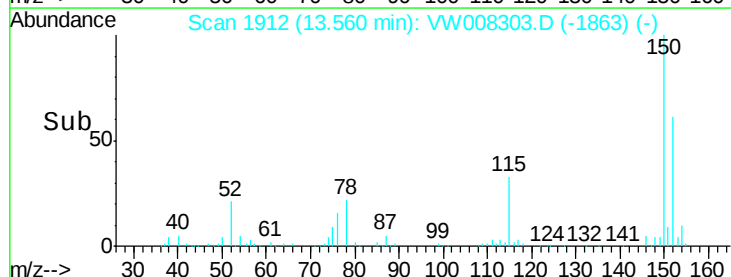
150 166.2 0.0 350.2

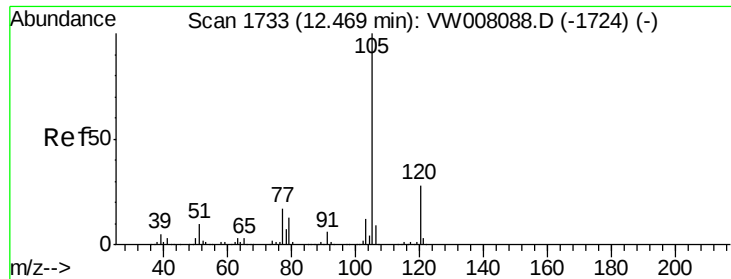


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.767 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

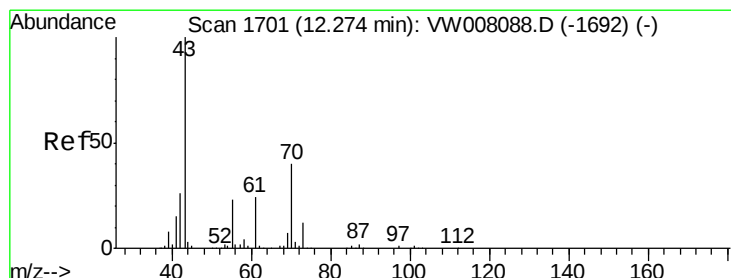
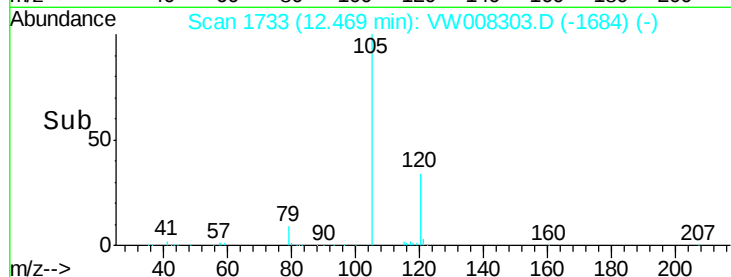
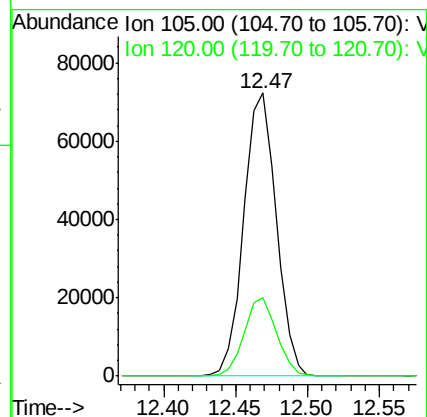
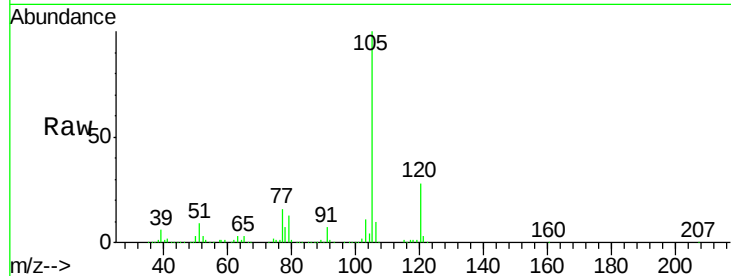
VW0116SBSD01

Tot Ion:105 Resp: 112793

Ion Ratio Lower Upper

105 100

120 27.8 13.6 40.8



#74

N-ethyl acetate

Concen: 19.836 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Tgt Ion: 43 Resp: 26401

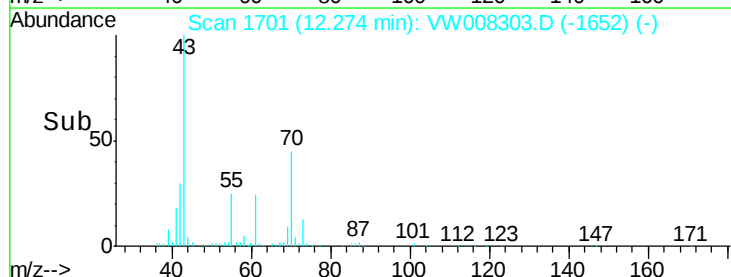
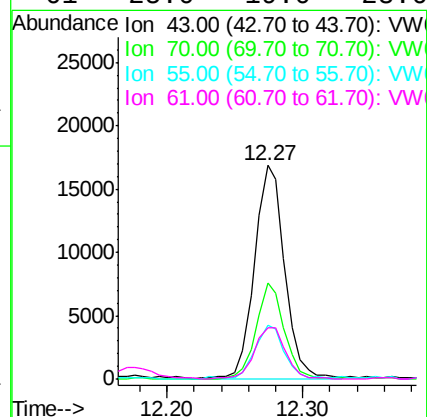
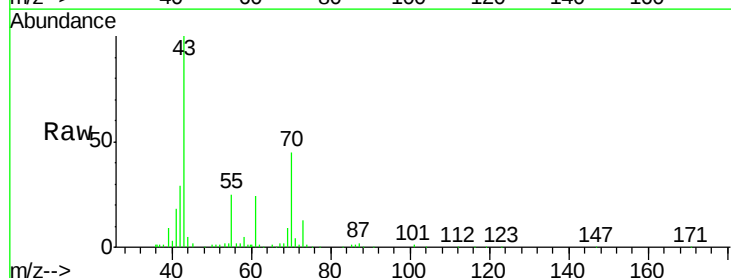
Ion Ratio Lower Upper

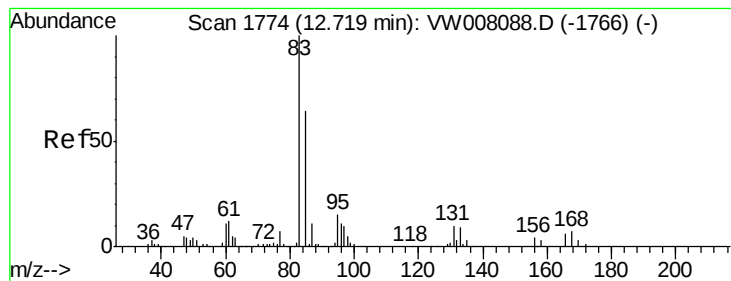
43 100

70 42.1 32.4 48.6

55 23.4 18.7 28.1

61 25.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.287 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

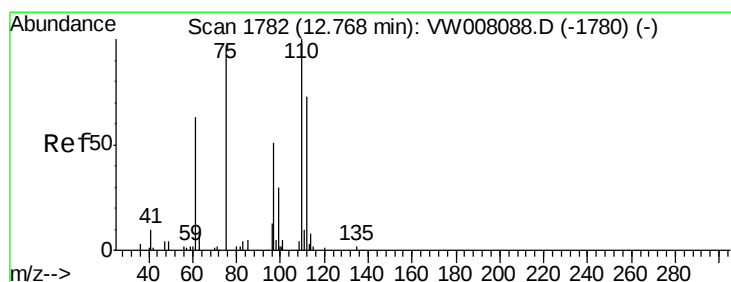
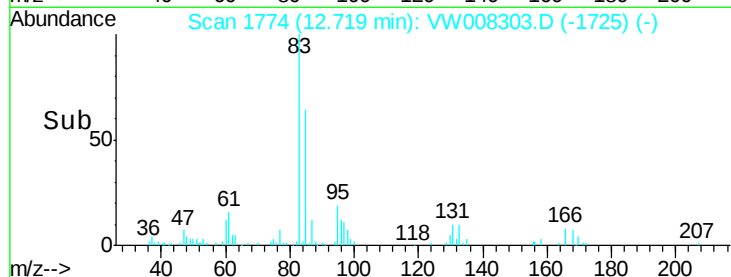
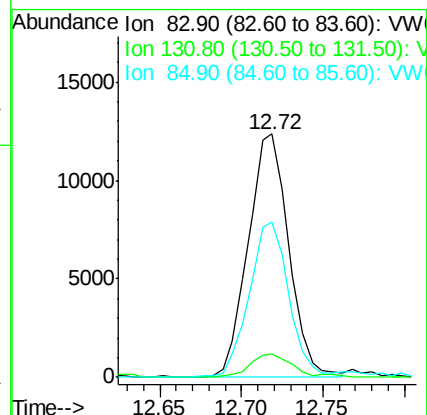
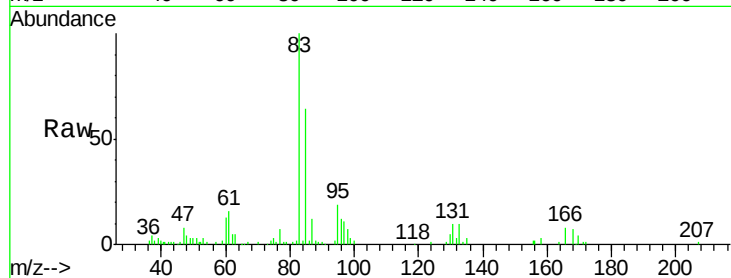
Tot Ion: 83 Resp: 21440

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	16.1
85	62.1	32.4	97.2

83 100

131 10.2 5.3 16.1

85 62.1 32.4 97.2



#76

1,2,3-Trichloropropane

Concen: 38.845 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW008303.D

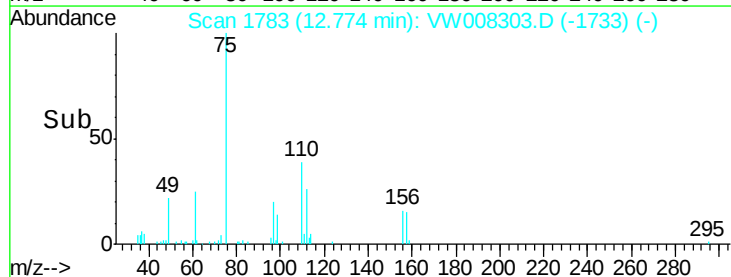
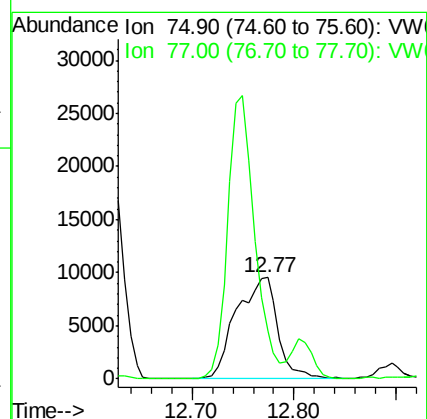
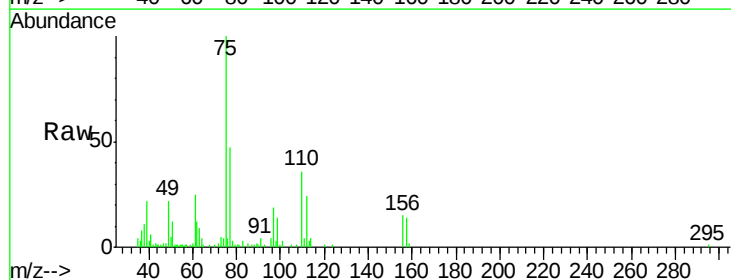
Acq: 16 Jan 2019 12:54

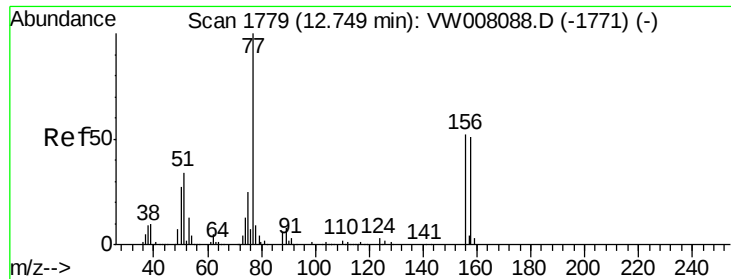
Tgt Ion: 75 Resp: 27108

Ion	Ratio	Lower	Upper
75	100		
77	0.0	179.4	538.2#

75 100

77 0.0 179.4 538.2#





#77

Bromobenzene

Concen: 20.616 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

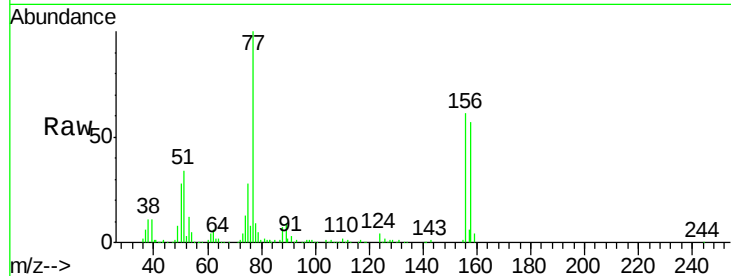
Tot Ion:156 Resp: 26181

Ion Ratio Lower Upper

156 100

77 187.4 104.2 312.5

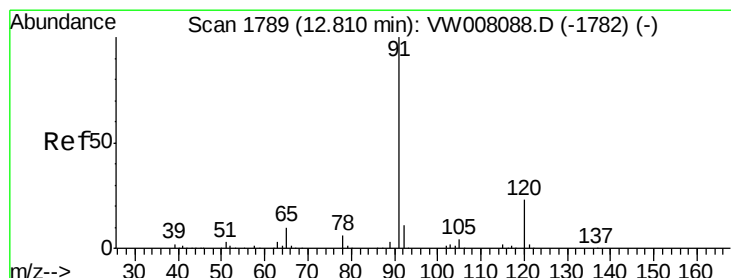
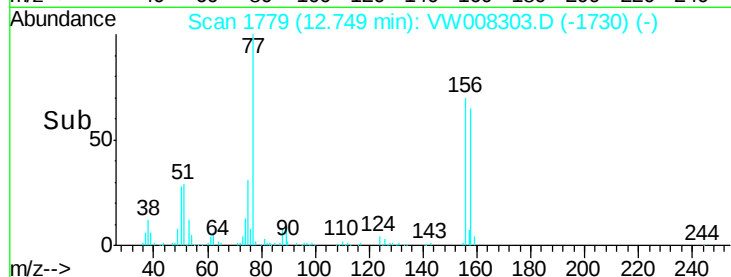
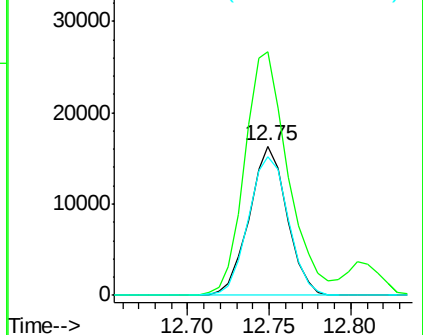
158 98.6 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.071 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008303.D

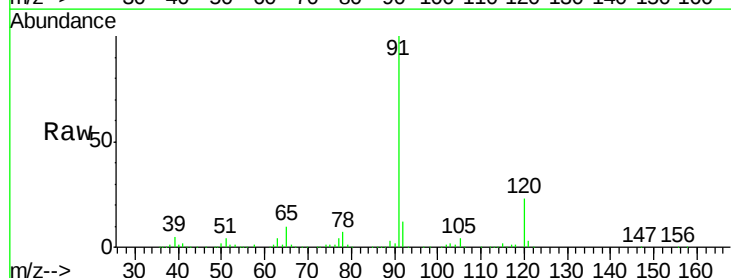
Acq: 16 Jan 2019 12:54

Tgt Ion: 91 Resp: 140440

Ion Ratio Lower Upper

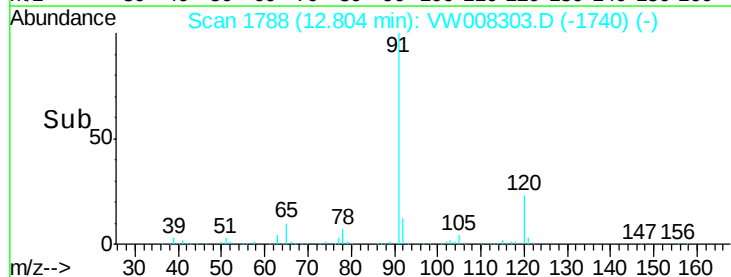
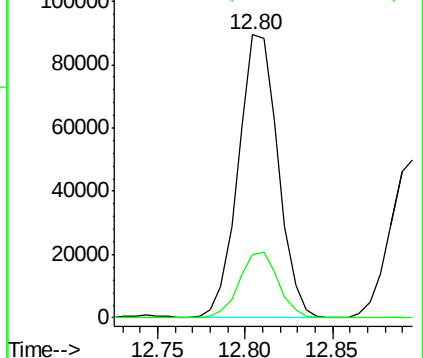
91 100

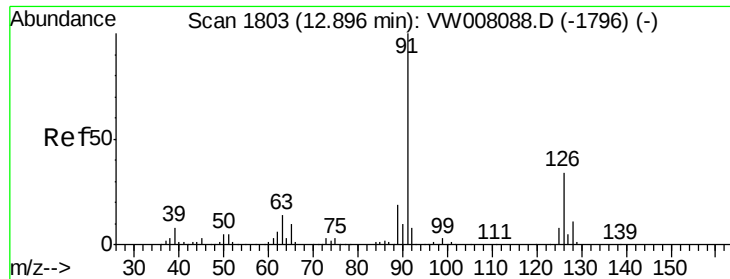
120 22.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

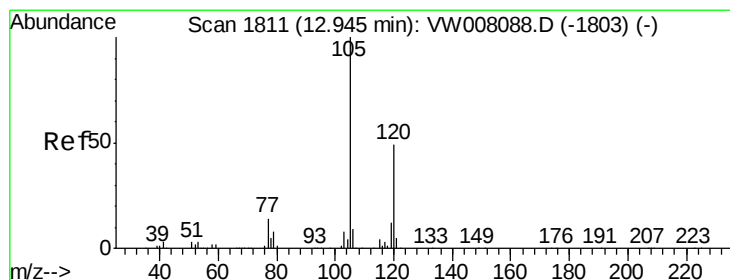
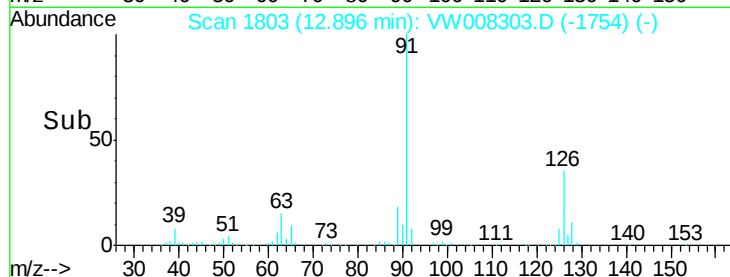
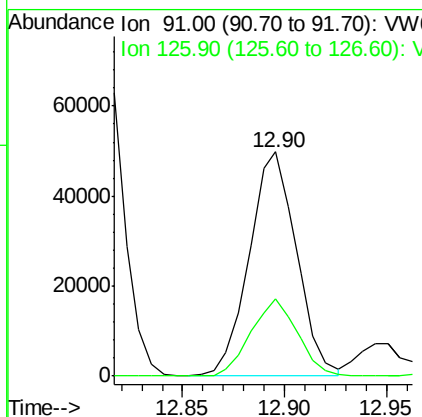
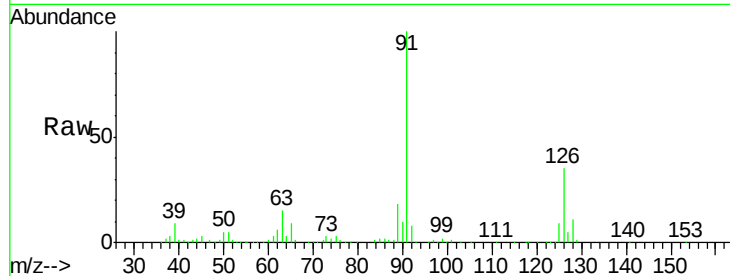




#79
 2-Chlorotoluene
 Concen: 19.410 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

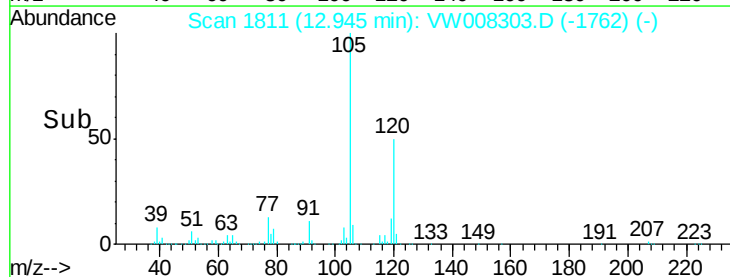
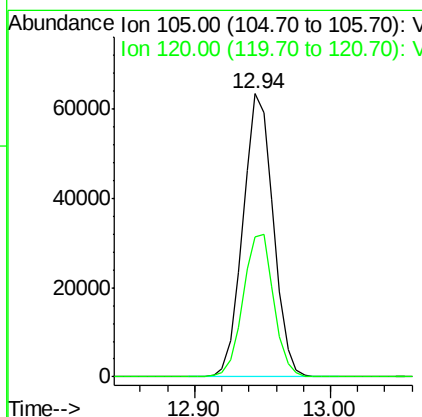
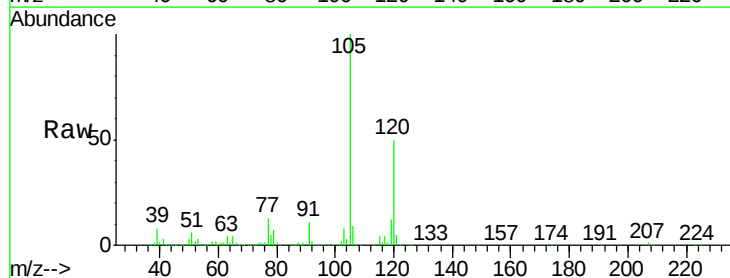
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

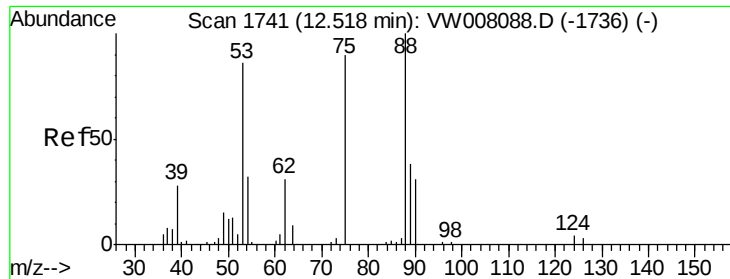
Tot Ion: 91 Resp: 79745
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.024 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion:105 Resp: 98894
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.636 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

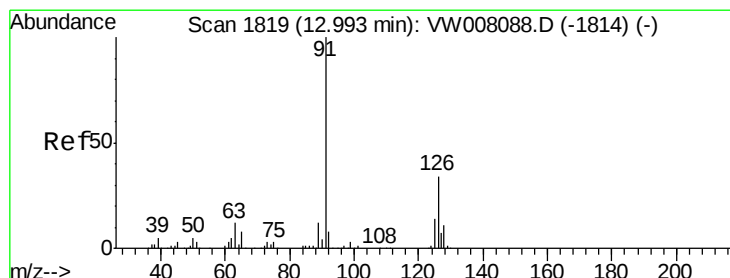
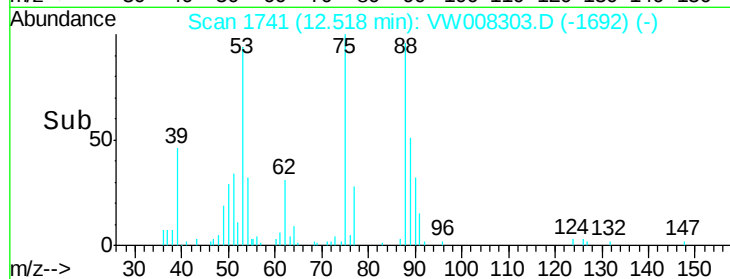
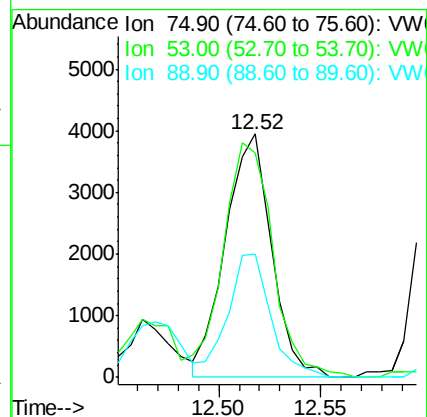
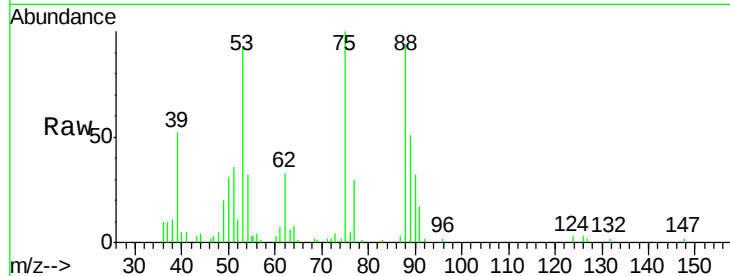
Tot Ion: 75 Resp: 6184

Ion Ratio Lower Upper

75 100

53 104.7 78.8 118.2

89 47.6 35.4 53.2



#82

4-Chlorotoluene

Concen: 19.461 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008303.D

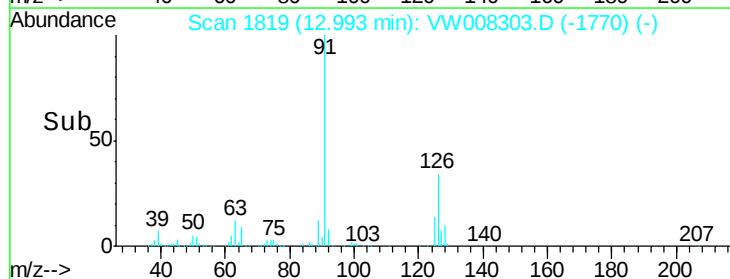
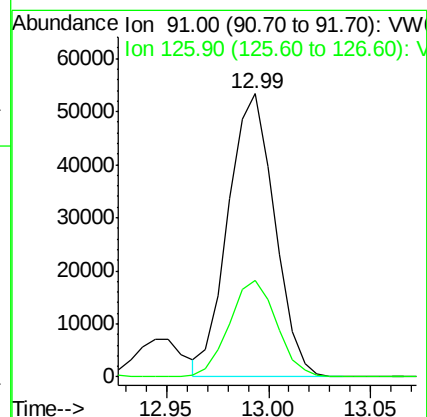
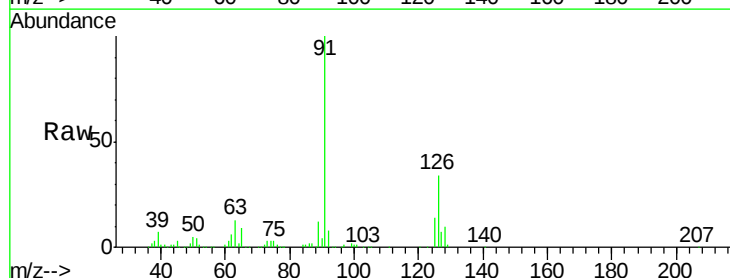
Acq: 16 Jan 2019 12:54

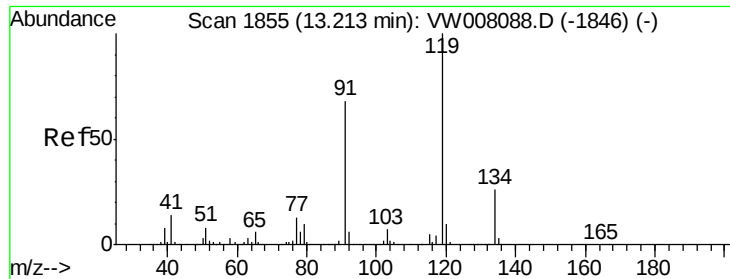
Tgt Ion: 91 Resp: 84210

Ion Ratio Lower Upper

91 100

126 34.8 16.5 49.5

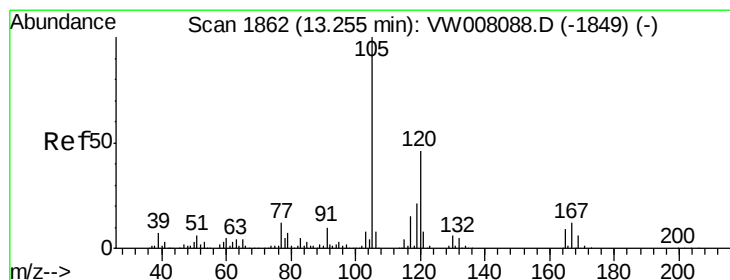
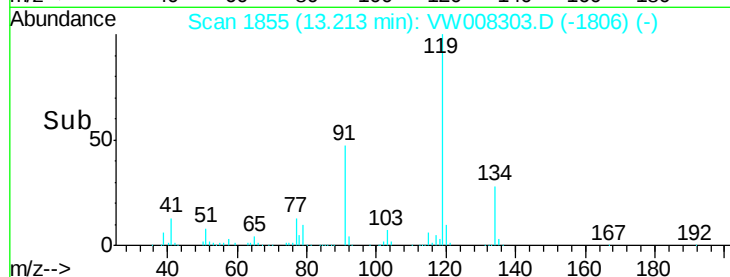
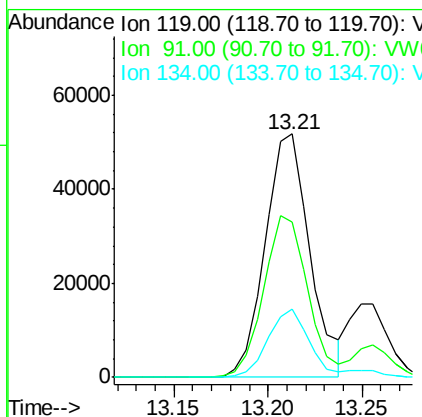
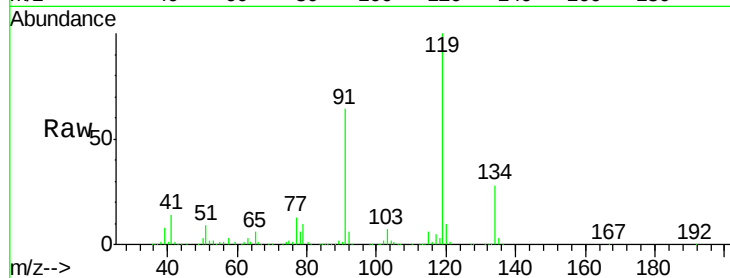




#83
tert-Butylbenzene
Concen: 19.555 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

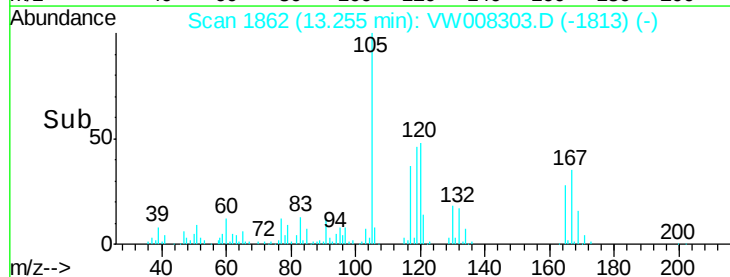
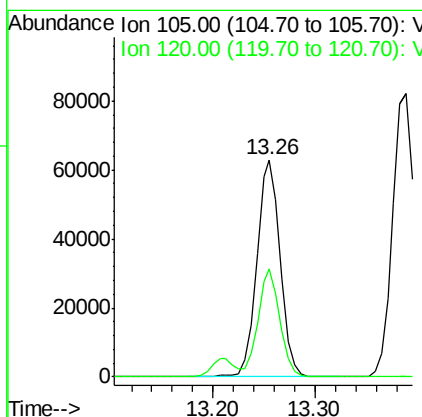
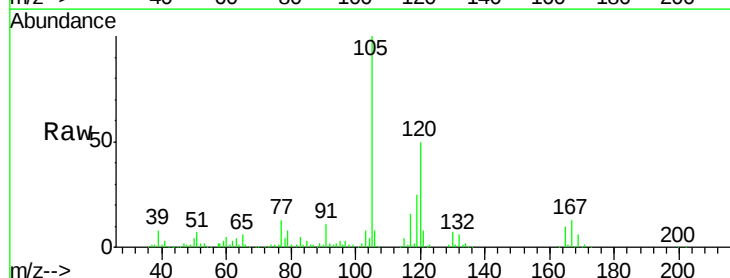
Instrument :
MSVOA_W
ClientSampled :
VW0116SBSD01

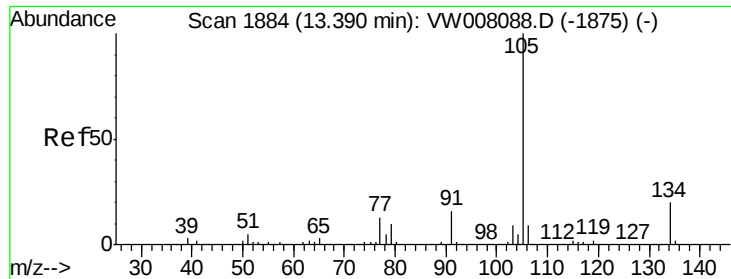
Tot Ion:119 Resp: 85440
Ion Ratio Lower Upper
119 100
91 65.3 33.9 101.6
134 25.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 19.644 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion:105 Resp: 100060
Ion Ratio Lower Upper
105 100
120 46.8 22.7 68.1

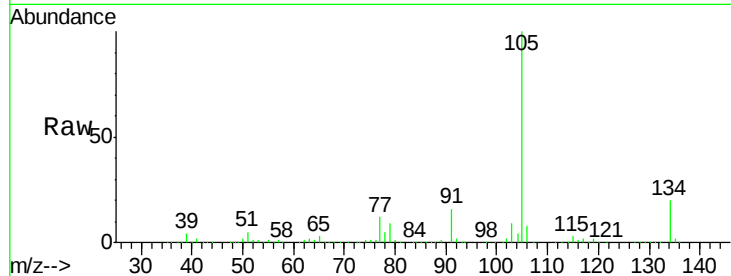




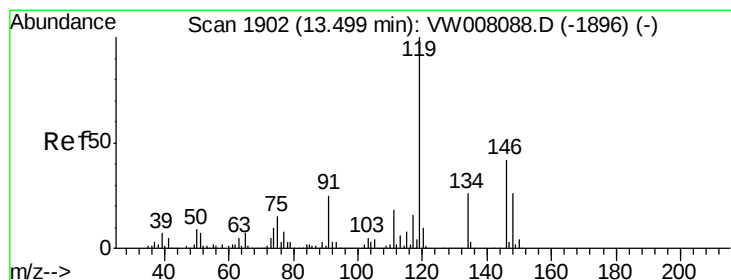
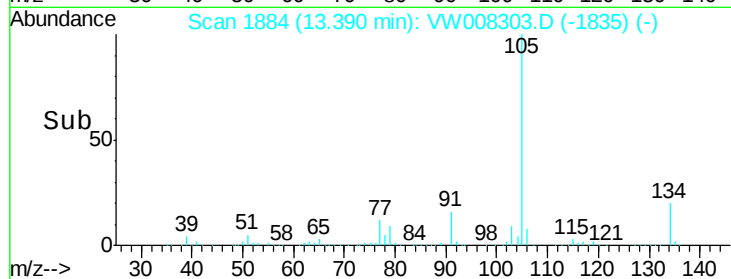
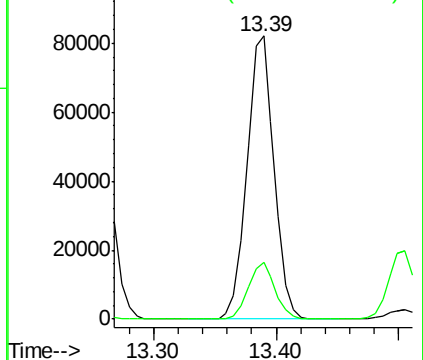
#85
 sec-Butylbenzene
 Concen: 19.645 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0116SBSD01

Tot Ion:105 Resp: 125738
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.1 30.1

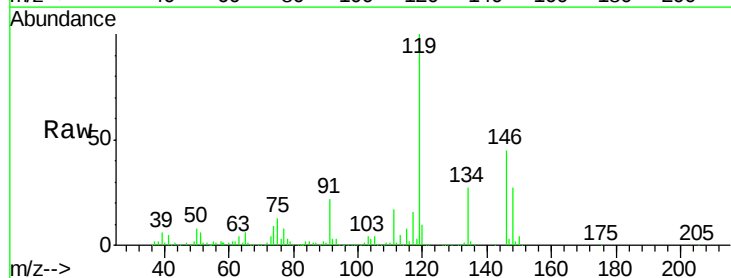


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

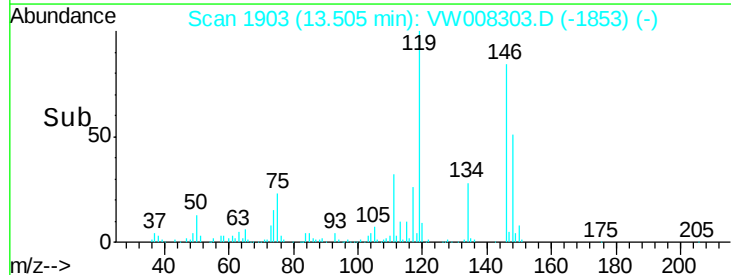
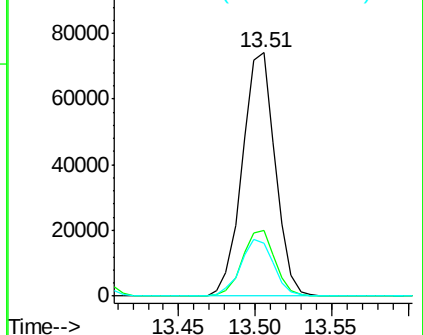


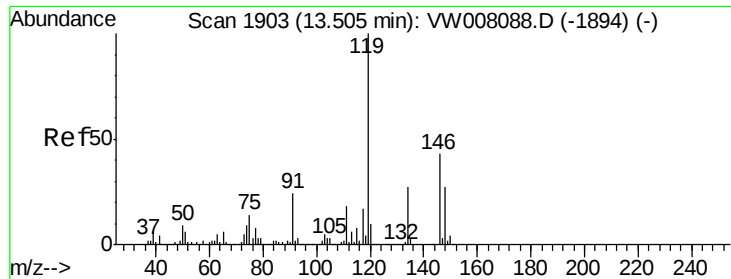
#86
 p-Isopropyltoluene
 Concen: 19.983 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008303.D
 Acq: 16 Jan 2019 12:54

Tgt Ion:119 Resp: 110448
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.8
 91 23.7 12.3 36.9



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





#87

1,3-Dichlorobenzene

Concen: 21.113 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

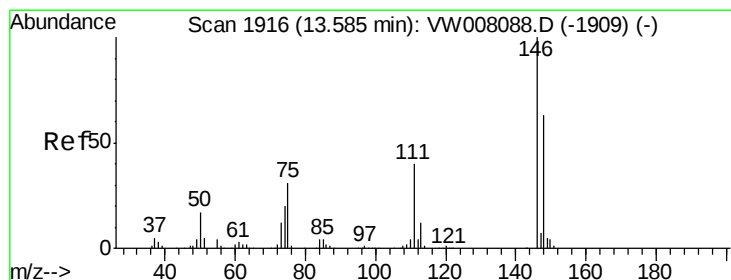
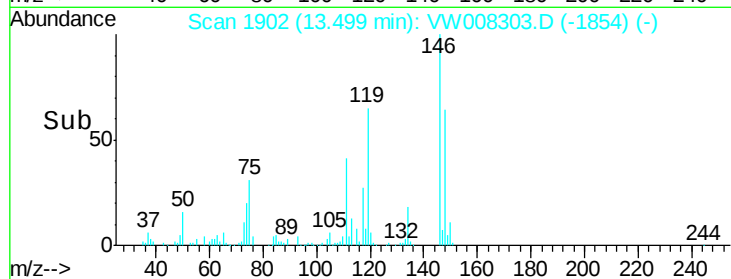
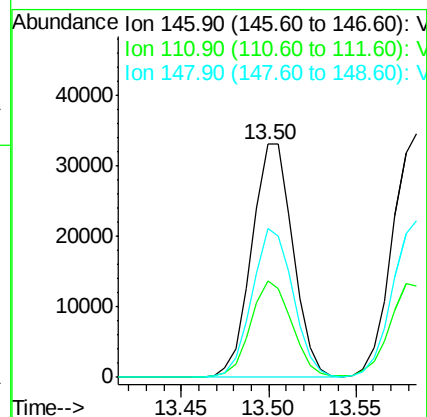
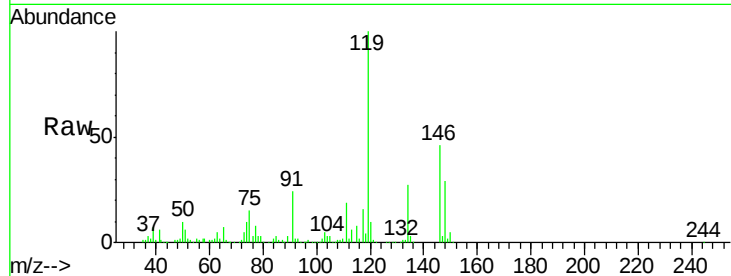
Tot Ion:146 Resp: 54387

Ion Ratio Lower Upper

146 100

111 41.3 21.1 63.1

148 63.2 31.3 93.9



#88

1,4-Dichlorobenzene

Concen: 21.077 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

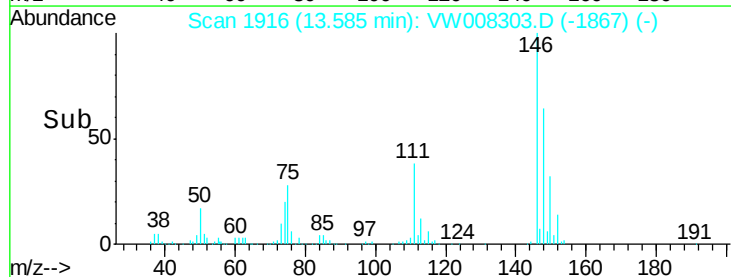
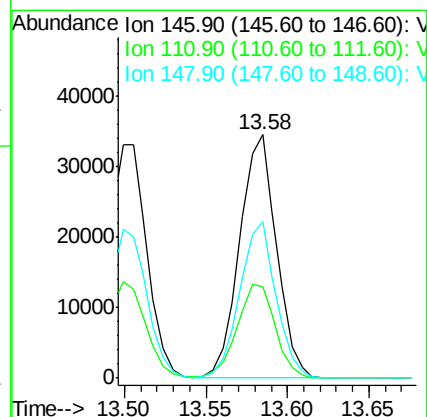
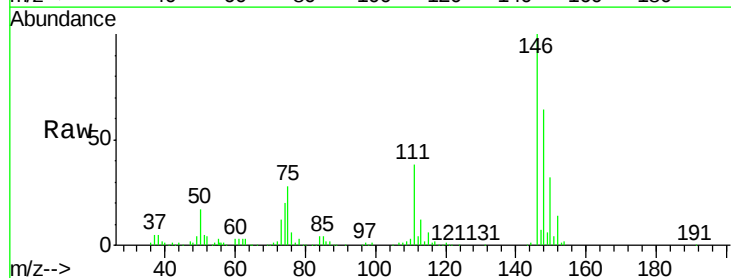
Tgt Ion:146 Resp: 54476

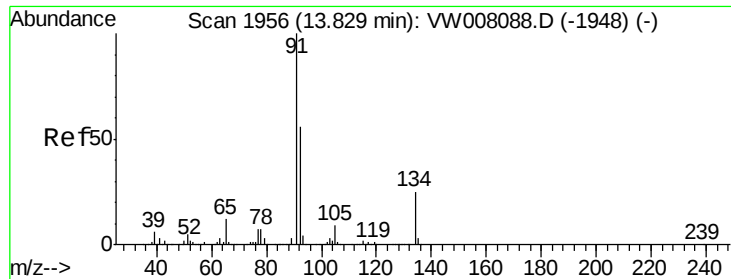
Ion Ratio Lower Upper

146 100

111 40.1 20.5 61.5

148 63.2 31.6 94.8

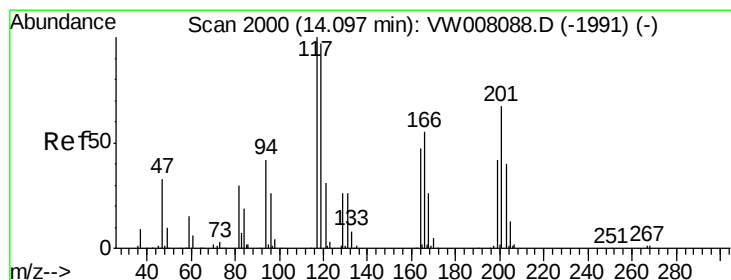
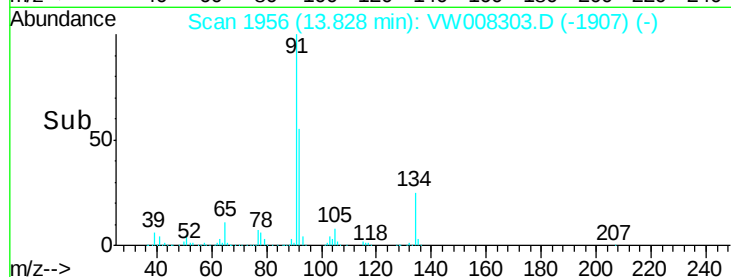
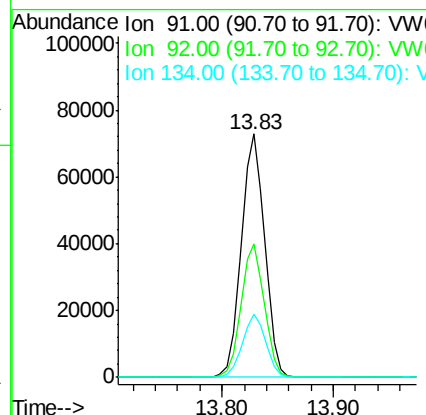
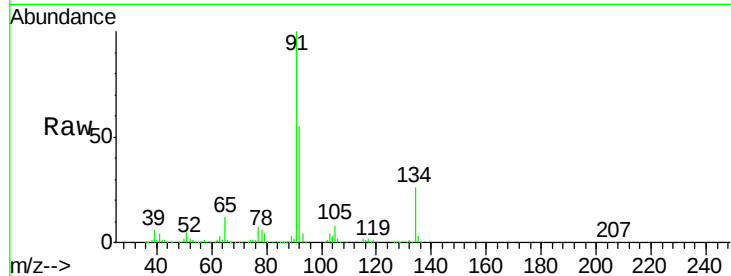




#89
n-Butylbenzene
Concen: 19.514 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

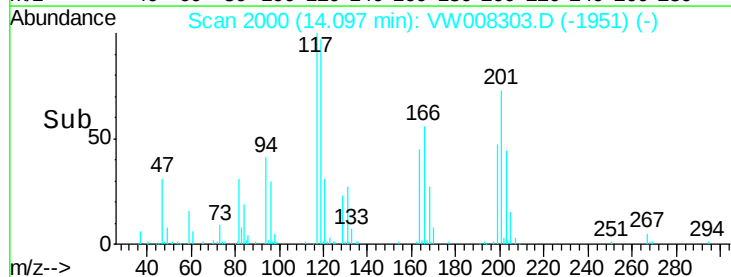
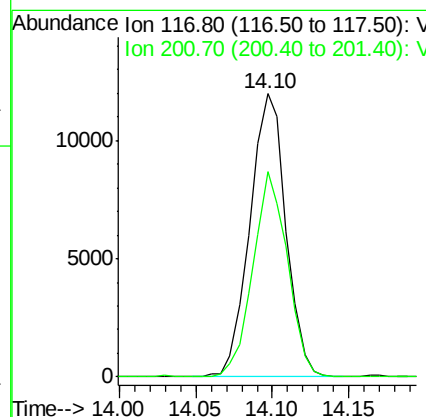
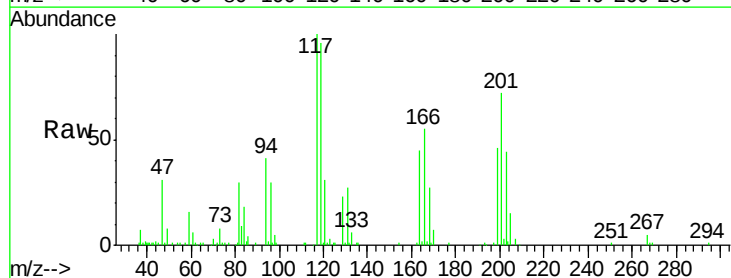
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

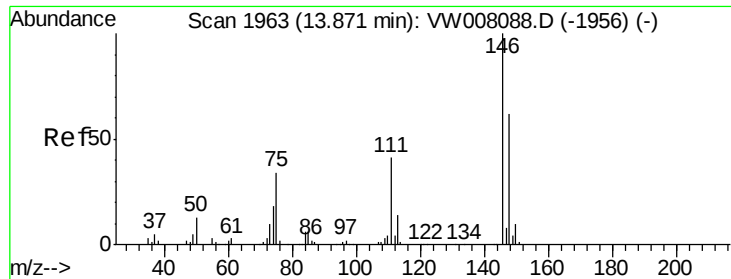
Tot Ion: 91 Resp: 105632
Ion Ratio Lower Upper
91 100
92 54.3 27.4 82.2
134 25.8 12.6 37.8



#90
Hexachloroethane
Concen: 21.004 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion: 117 Resp: 19608
Ion Ratio Lower Upper
117 100
201 69.5 33.0 98.9





#91

1,2-Dichlorobenzene

Concen: 21.658 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

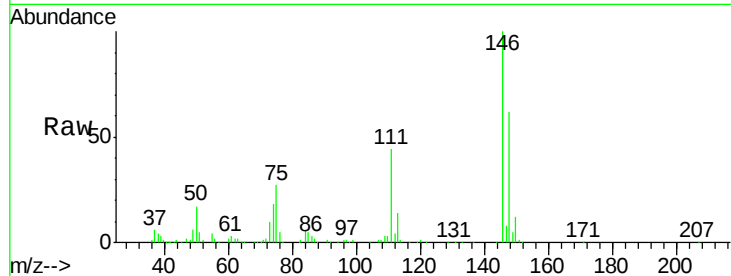
Tot Ion:146 Resp: 49033

Ion Ratio Lower Upper

146 100

111 41.2 21.3 63.7

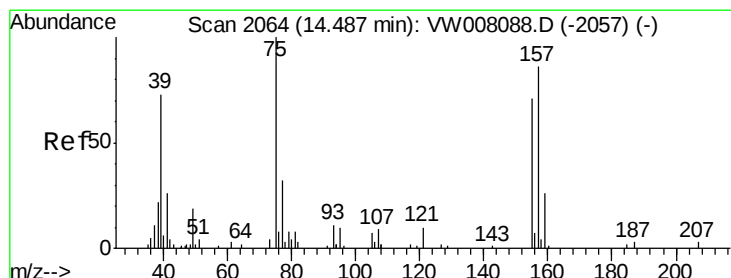
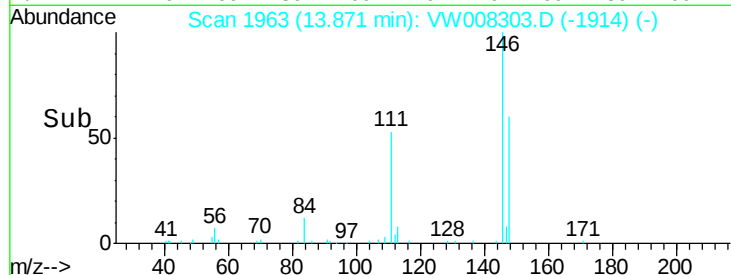
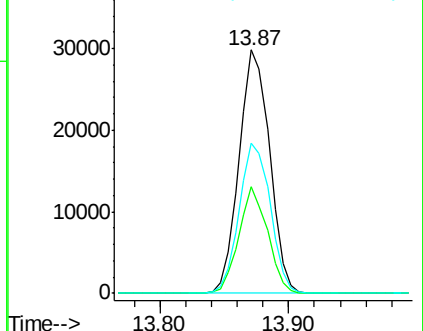
148 62.8 31.5 94.5



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: 24.455 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

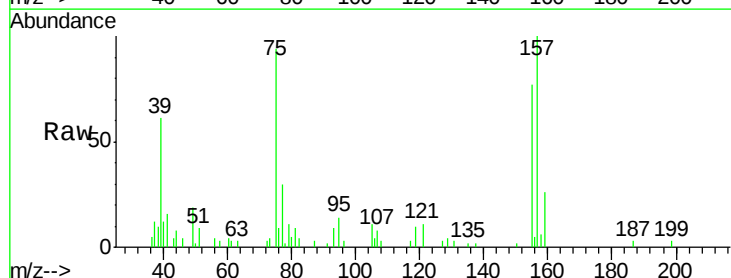
Tgt Ion: 75 Resp: 3786

Ion Ratio Lower Upper

75 100

155 83.3 38.6 115.7

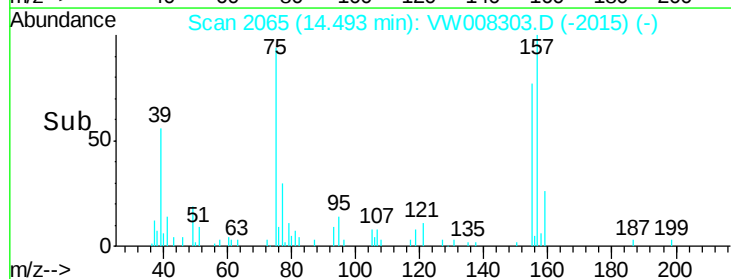
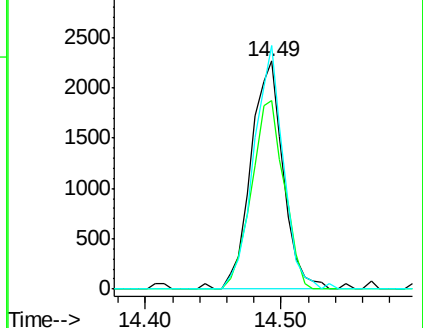
157 97.9 47.5 142.6

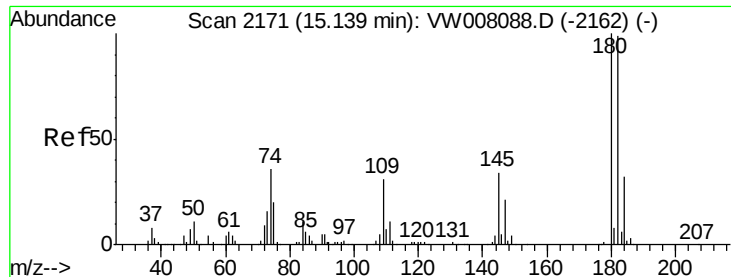


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

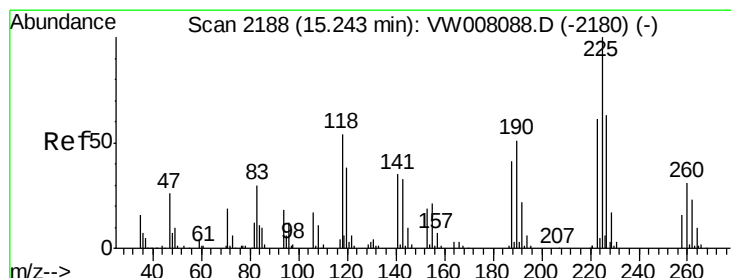
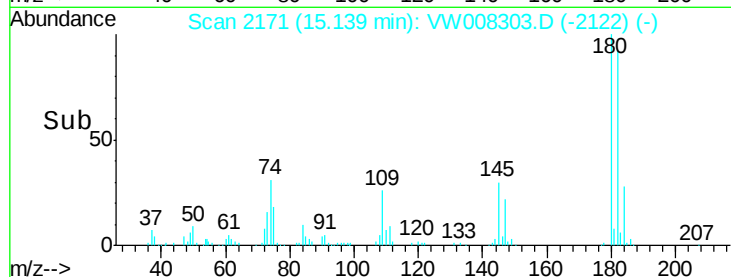
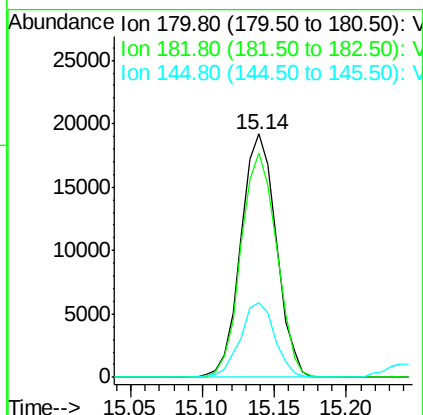
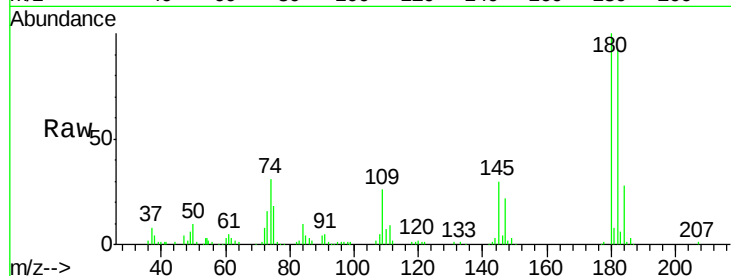




#93
1,2,4-Trichlorobenzene
Concen: 21.706 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

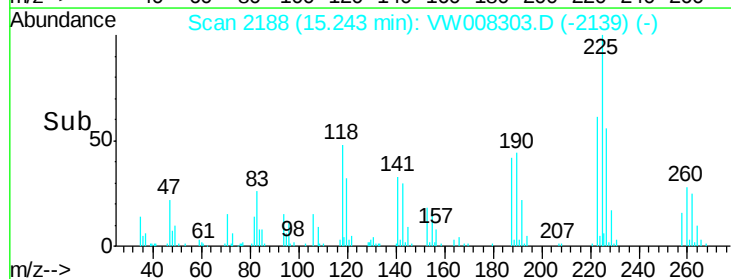
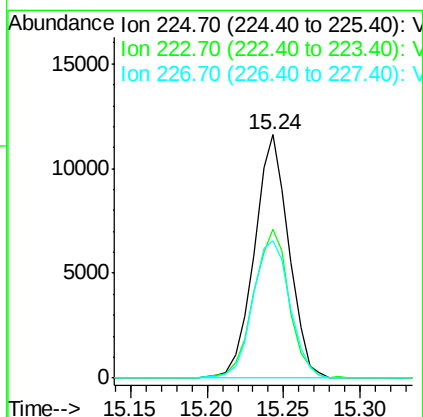
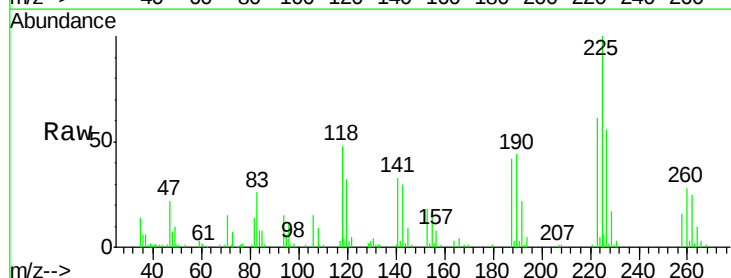
Instrument :
MSVOA_W
ClientSampleId :
VW0116SBSD01

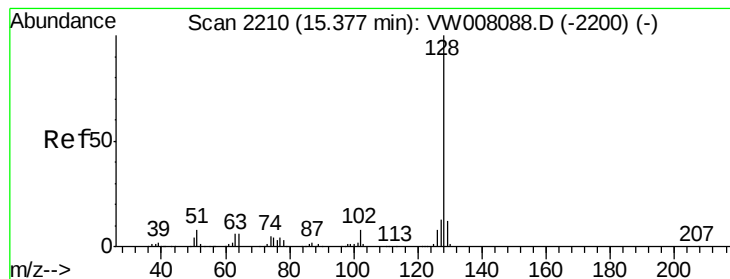
Tot Ion:180 Resp: 32626
Ion Ratio Lower Upper
180 100
182 93.1 48.6 145.9
145 30.0 16.6 49.7



#94
Hexachlorobutadiene
Concen: 22.646 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008303.D
Acq: 16 Jan 2019 12:54

Tgt Ion:225 Resp: 18219
Ion Ratio Lower Upper
225 100
223 62.8 31.4 94.3
227 61.0 32.0 96.2





#95

Naphthalene

Concen: 20.407 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

Instrument :

MSVOA_W

ClientSampleId :

VW0116SBSD01

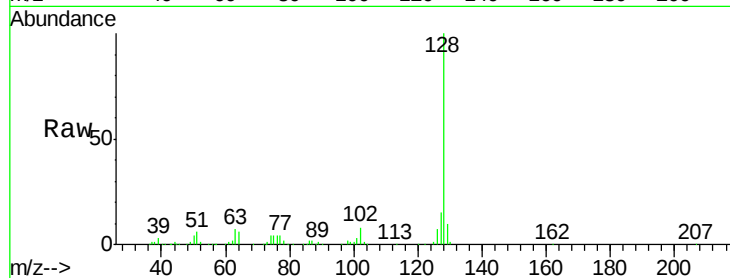
Tot Ion:128 Resp: 57273

Ion Ratio Lower Upper

128 100

127 14.7 11.0 16.4

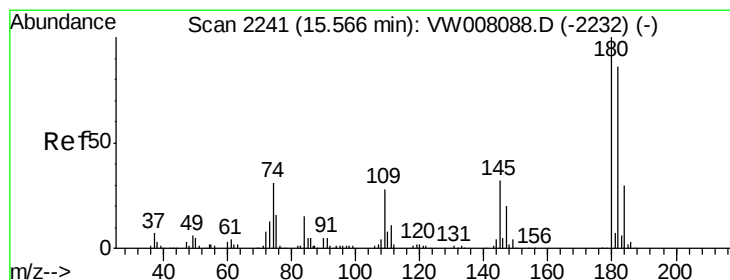
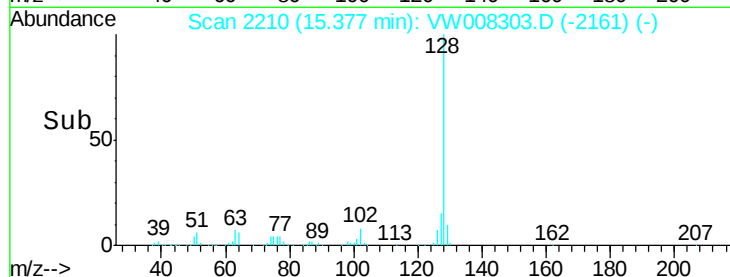
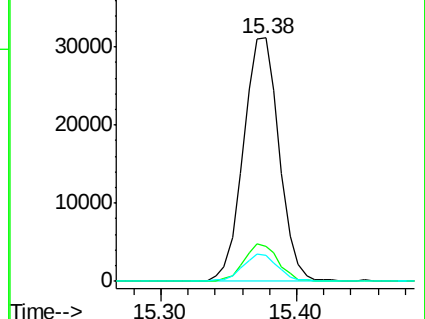
129 10.9 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.403 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008303.D

Acq: 16 Jan 2019 12:54

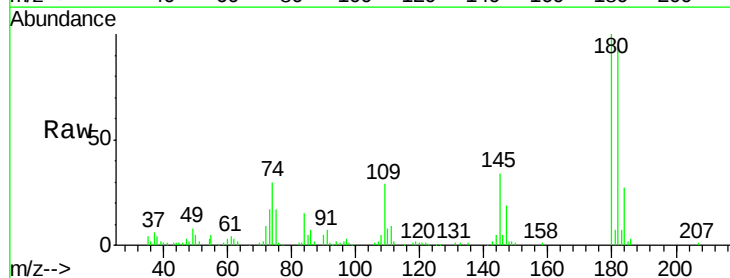
Tgt Ion:180 Resp: 27424

Ion Ratio Lower Upper

180 100

182 94.8 46.5 139.3

145 33.1 17.4 52.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

