

Data File : VW009241.D
Acq On : 19 Mar 2019 15:12
Operator : SY/VA
Sample : VW0319SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Quant Time: Mar 20 07:29:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	342249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	506016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	454947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	253971	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	163380	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
35) Dibromofluoromethane	7.88	113	151901	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	10.32	98	566047	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.62	95	210364	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	48265	22.354	ug/l	97
3) Chloromethane	2.21	50	49180	19.823	ug/l	100
4) Vinyl Chloride	2.37	62	71912	19.749	ug/l	96
5) Bromomethane	2.78	94	57011	19.199	ug/l	91
6) Chloroethane	2.92	64	54048	19.131	ug/l	95
7) Trichlorofluoromethane	3.24	101	45326	19.002	ug/l	91
8) Diethyl Ether	3.67	74	31794	18.482	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	66620	19.280	ug/l	94
10) Methyl Iodide	4.26	142	96427	19.358	ug/l	97
11) Tert butyl alcohol	5.16	59	18439	87.246	ug/l	100
12) 1,1-Dichloroethene	4.03	96	64192	19.653	ug/l	96
13) Acrolein	3.89	56	13637	79.051	ug/l	100
14) Allyl chloride	4.66	41	96131	19.964	ug/l	97
15) Acrylonitrile	5.35	53	63816	88.268	ug/l	98
16) Acetone	4.12	43	74461	99.695	ug/l	99
17) Carbon Disulfide	4.37	76	178547	19.608	ug/l	96
18) Methyl Acetate	4.67	43	29450	15.364	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	78159	19.497	ug/l	99
20) Methylene Chloride	4.91	84	68685	20.407	ug/l #	93
21) trans-1,2-Dichloroethene	5.41	96	66457	19.776	ug/l	96
22) Diisopropyl ether	6.31	45	199572	19.225	ug/l	98
23) Vinyl Acetate	6.25	43	610290	93.697	ug/l	99
24) 1,1-Dichloroethane	6.20	63	124742	19.471	ug/l	99
25) 2-Butanone	7.16	43	94184	88.005	ug/l	99
26) 2,2-Dichloropropane	7.16	77	73480	20.527	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	71074	19.522	ug/l	99
28) Bromochloromethane	7.51	49	50628	18.016	ug/l #	99
29) Tetrahydrofuran	7.52	42	59171	86.984	ug/l	98
30) Chloroform	7.66	83	126449	18.969	ug/l	96
31) Cyclohexane	7.95	56	119863	20.068	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	103840	19.516	ug/l	98
36) 1,1-Dichloropropene	8.08	75	99892	19.838	ug/l	97
37) Ethyl Acetate	7.25	43	40886	17.794	ug/l	98
38) Carbon Tetrachloride	8.06	117	104303	19.573	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	117694	20.202	ug/l	93
40) Benzene	8.32	78	271079	19.852	ug/l	99
41) Methacrylonitrile	7.48	41	22213	17.937	ug/l	98
42) 1,2-Dichloroethane	8.39	62	83925	18.802	ug/l	98
43) Isopropyl Acetate	8.42	43	80354	17.465	ug/l	97
44) Trichloroethene	9.09	130	73979	19.777	ug/l	98
45) 1,2-Dichloropropane	9.37	63	66105	19.044	ug/l	93
46) Dibromomethane	9.45	93	35134	18.406	ug/l	98
47) Bromodichloromethane	9.64	83	93127	19.307	ug/l	91
48) Methyl methacrylate	9.43	41	37228	17.477	ug/l	98
49) 1,4-Dioxane	9.45	88	10581	357.385	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	207890	86.699	ug/l	99
52) Toluene	10.38	92	170061	19.656	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87618	18.627	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	103927	19.639	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	47291	18.297	ug/l	97
56) Ethyl methacrylate	10.64	69	54856	17.824	ug/l	96
57) 1,3-Dichloropropane	10.93	76	85567	19.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	143020	158.818	ug/l	98
59) 2-Hexanone	10.97	43	143897	88.395	ug/l	99
60) Dibromochloromethane	11.13	129	59464	18.621	ug/l	98
61) 1,2-Dibromoethane	11.23	107	45587	18.518	ug/l	100
64) Tetrachloroethene	10.86	164	61769	19.825	ug/l	97
65) Chlorobenzene	11.66	112	189066	20.095	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	66899	19.036	ug/l	99
67) Ethyl Benzene	11.73	91	329505	20.219	ug/l	99
68) m/p-Xylenes	11.84	106	251631	39.836	ug/l	98
69) o-Xylene	12.16	106	117257	19.990	ug/l	99
70) Styrene	12.18	104	194842	20.147	ug/l	98
71) Bromoform	12.35	173	35255	18.366	ug/l #	98
73) Isopropylbenzene	12.46	105	336555	19.826	ug/l	100
74) N-amyl acetate	12.27	43	76982	17.385	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	55524	17.486	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	76287	31.964	ug/l #	100
77) Bromobenzene	12.75	156	76262	18.966	ug/l	98
78) n-propylbenzene	12.80	91	414107	19.863	ug/l	100
79) 2-Chlorotoluene	12.89	91	230321	19.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	289018	20.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17448	17.938	ug/l	99
82) 4-Chlorotoluene	12.99	91	241070	19.321	ug/l	99
83) tert-Butylbenzene	13.21	119	244110	19.788	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	293791	19.851	ug/l	100
85) sec-Butylbenzene	13.38	105	370167	20.306	ug/l	100
86) p-Isopropyltoluene	13.50	119	327115	20.151	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	160679	19.311	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	160498	19.373	ug/l	99
89) n-Butylbenzene	13.83	91	314614	20.190	ug/l	99
90) Hexachloroethane	14.10	117	62216	19.439	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	141403	18.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10201	17.941	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
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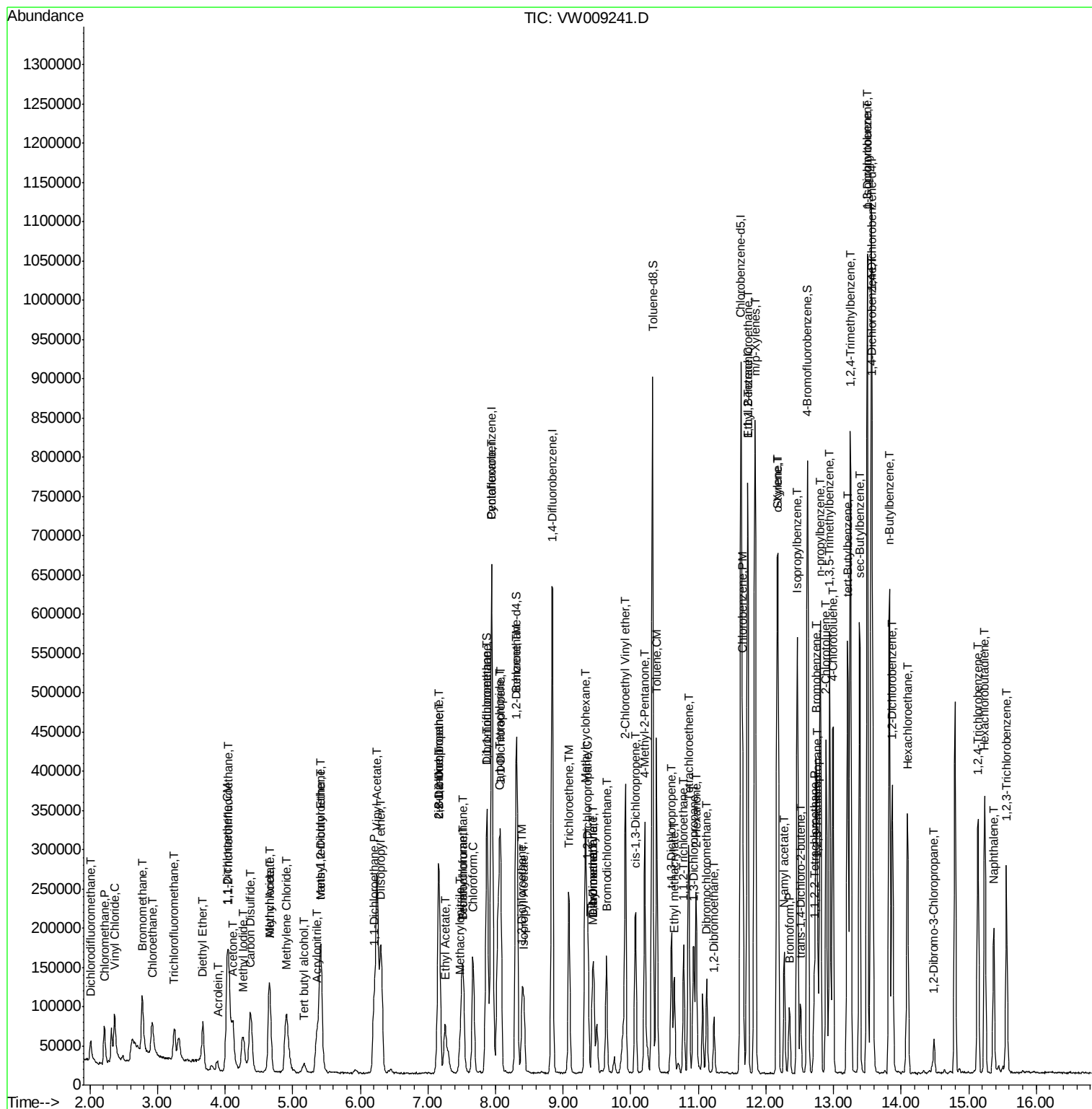
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	97445	19.447	ug/l	98
94) Hexachlorobutadiene	15.24	225	63522	19.932	ug/l	99
95) Naphthalene	15.37	128	154440	17.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	85204	19.049	ug/l	99

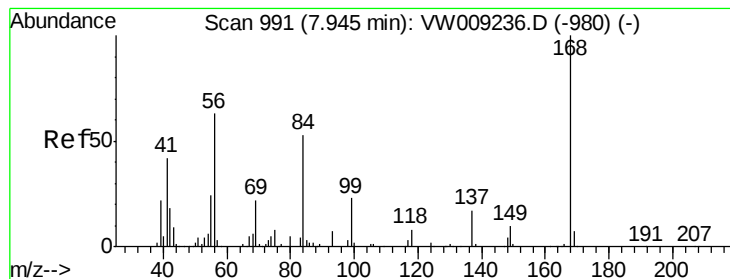
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

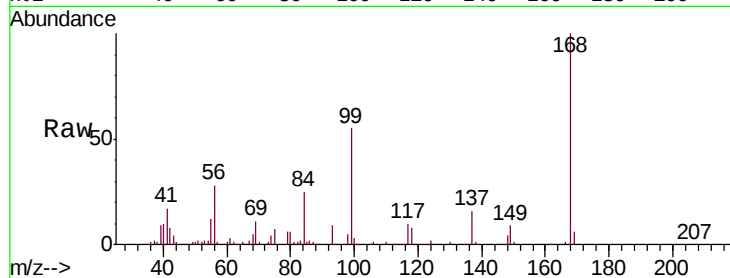
VW0319SBS01

Tgt Ion:168 Resp: 342249

Ion Ratio Lower Upper

168 100

99 54.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

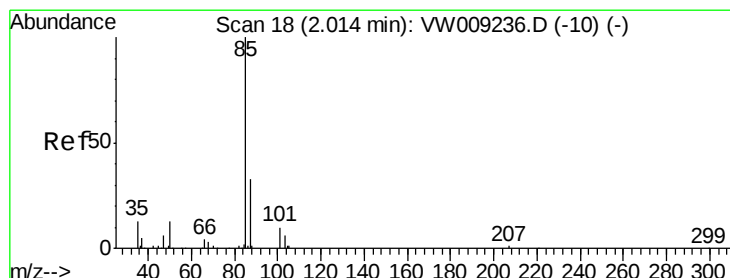
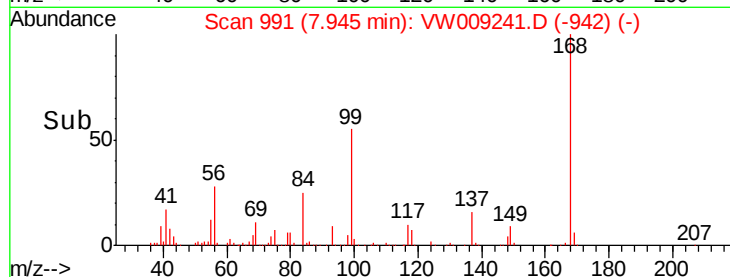
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.354 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009241.D

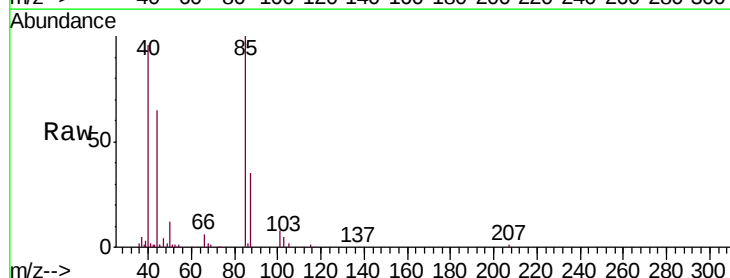
Acq: 19 Mar 2019 15:12

Tgt Ion: 85 Resp: 48265

Ion Ratio Lower Upper

85 100

87 34.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

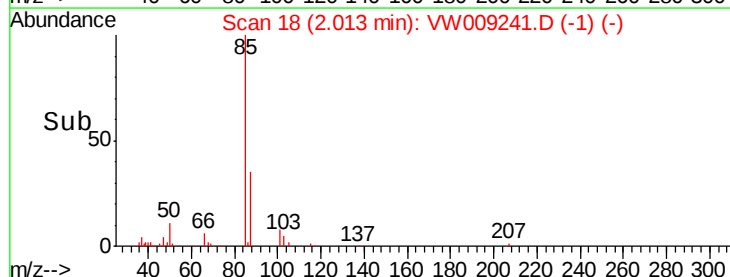
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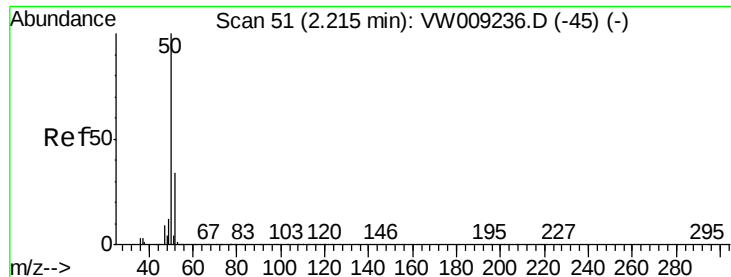
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.823 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

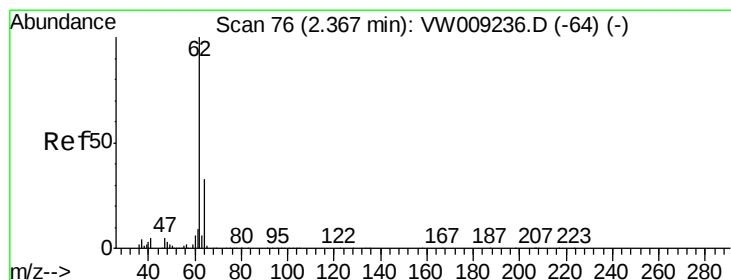
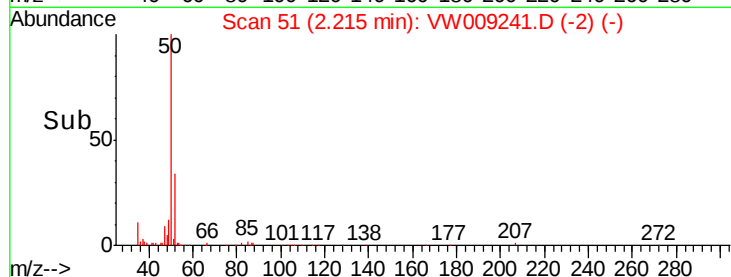
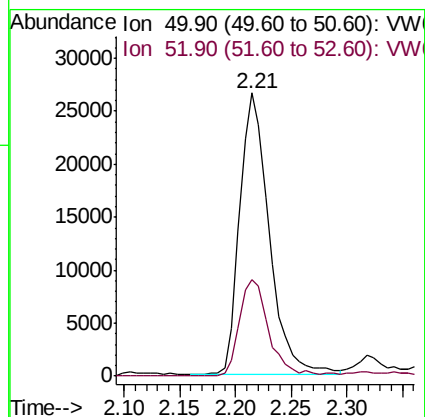
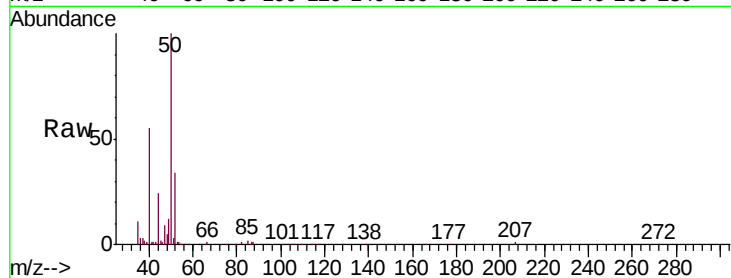
VW0319SBS01

Tgt Ion: 50 Resp: 49180

Ion Ratio Lower Upper

50 100

52 34.1 27.2 40.8



#4

Vinyl Chloride

Concen: 19.749 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009241.D

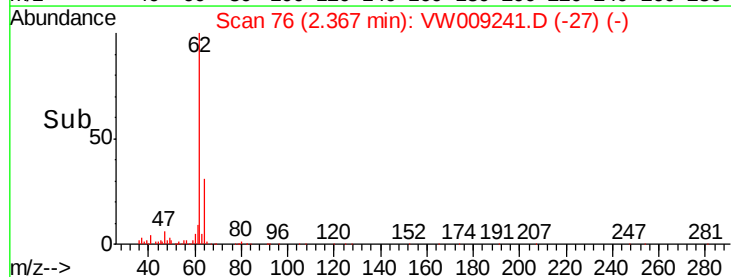
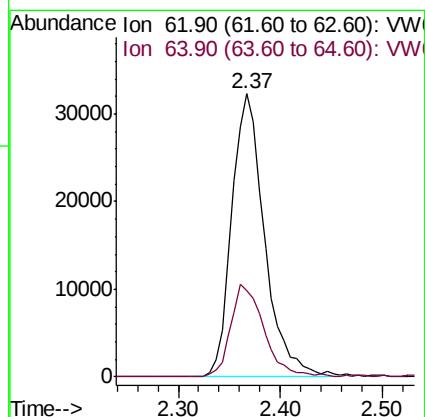
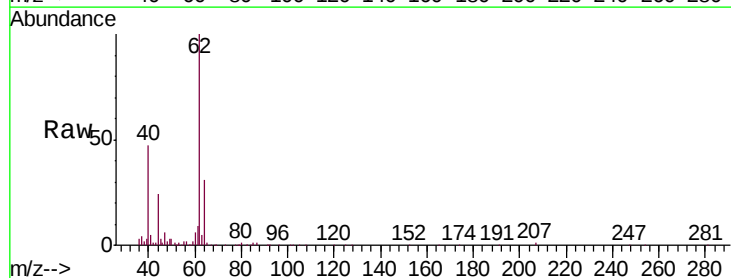
Acq: 19 Mar 2019 15:12

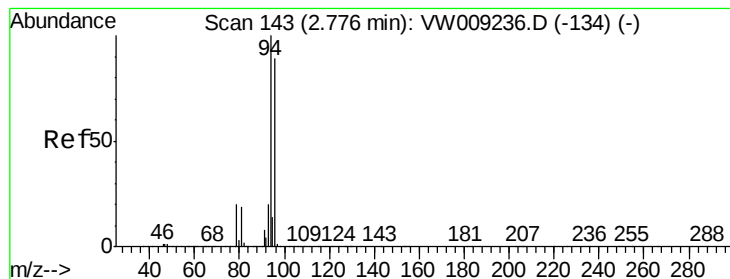
Tgt Ion: 62 Resp: 71912

Ion Ratio Lower Upper

62 100

64 30.3 26.2 39.2





#5

Bromomethane

Concen: 19.199 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

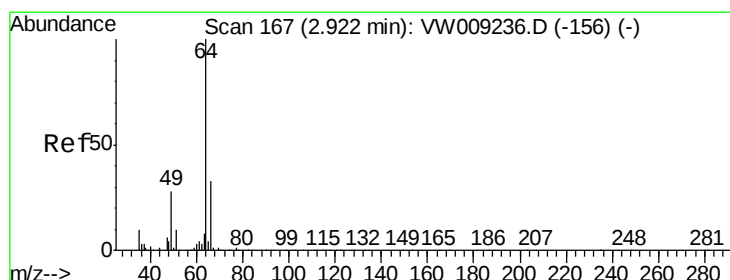
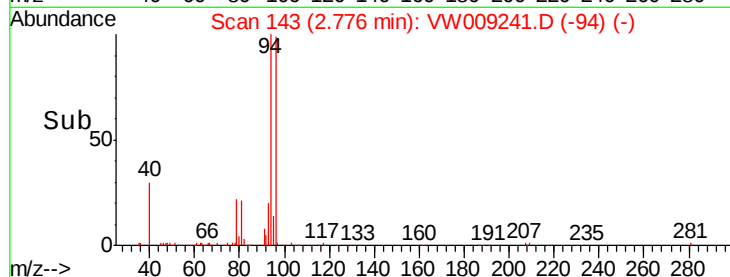
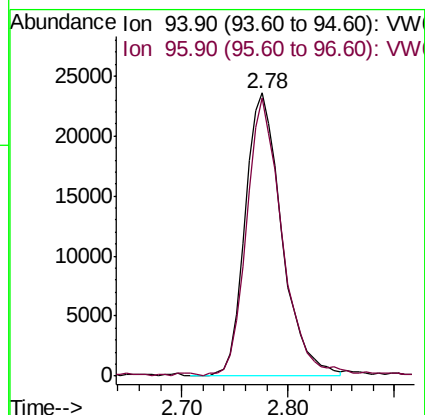
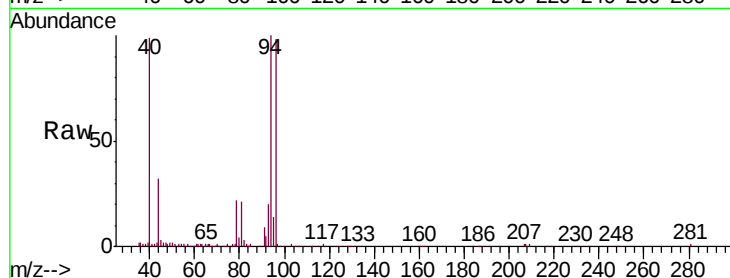
VW0319SBS01

Tgt Ion: 94 Resp: 57011

Ion Ratio Lower Upper

94 100

96 97.6 71.4 107.2



#6

Chloroethane

Concen: 19.131 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW009241.D

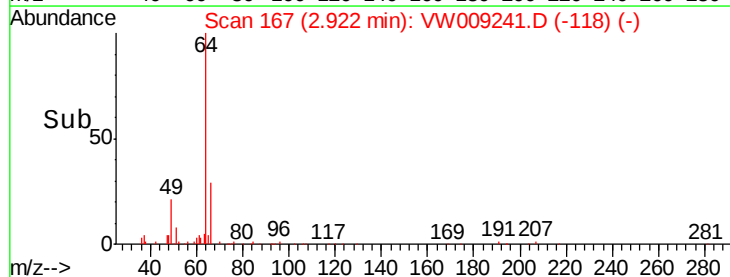
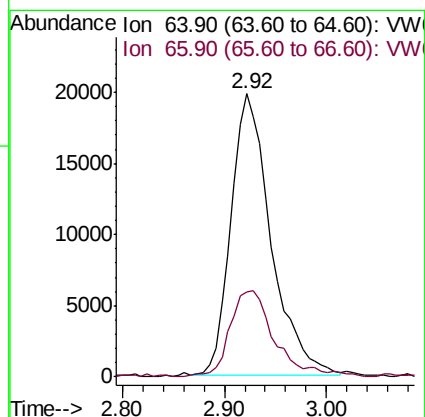
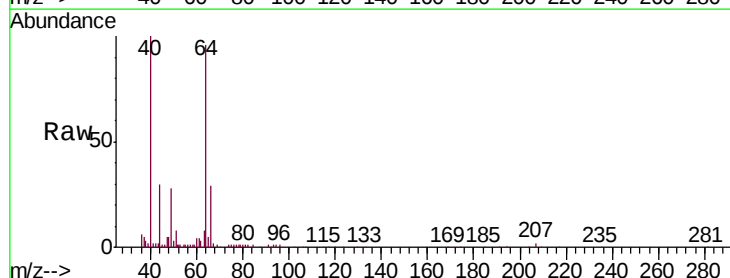
Acq: 19 Mar 2019 15:12

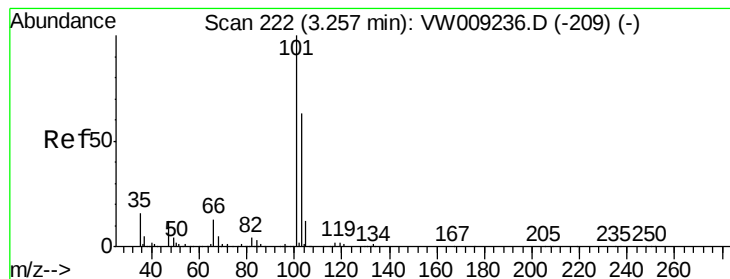
Tgt Ion: 64 Resp: 54048

Ion Ratio Lower Upper

64 100

66 29.8 26.2 39.2



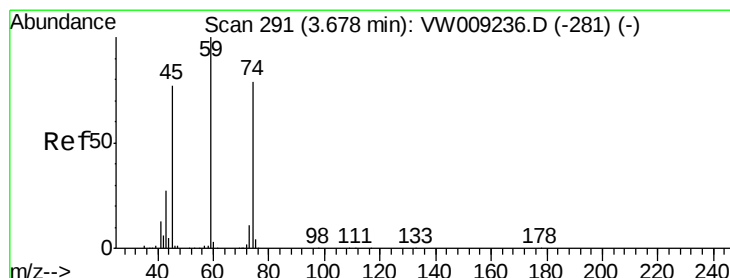
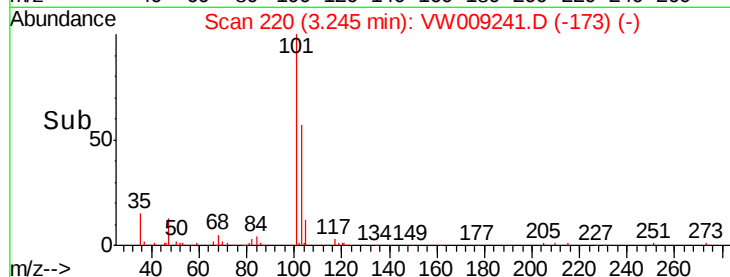
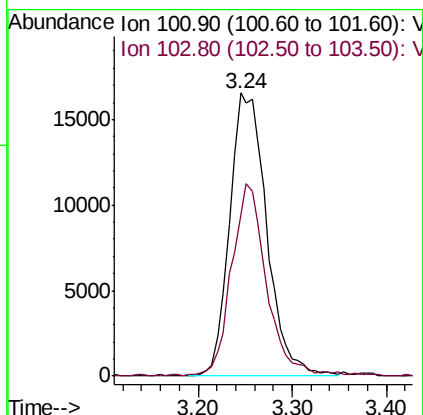
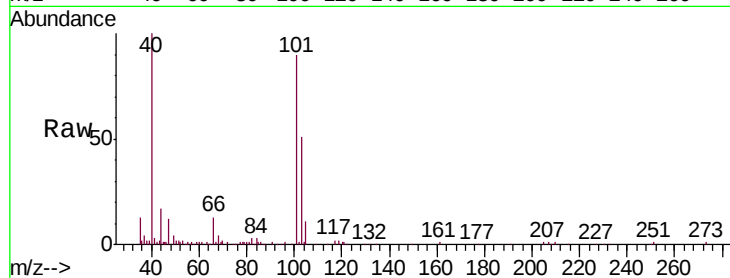


#7

Trichlorofluoromethane
 Concen: 19.002 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW009241.D
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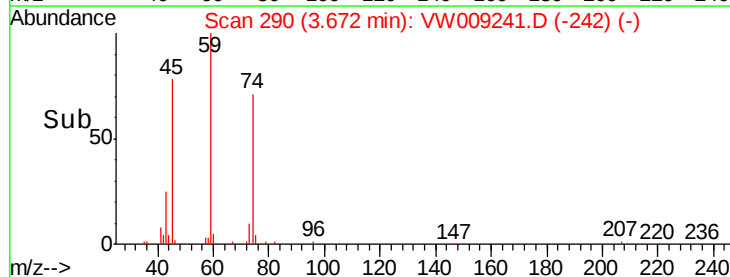
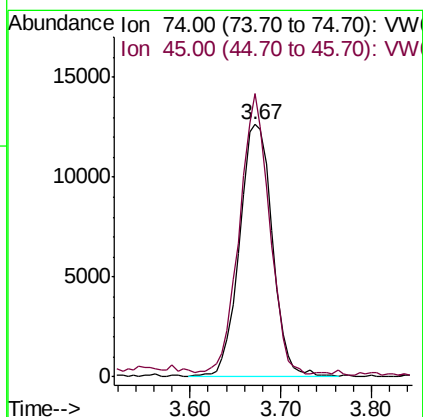
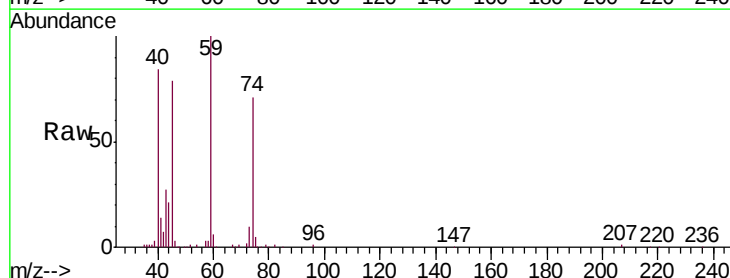
Tgt Ion:101 Resp: 45326
 Ion Ratio Lower Upper
 101 100
 103 56.5 50.5 75.7

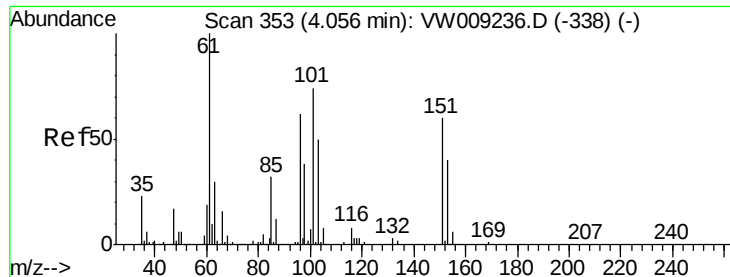


#8

Diethyl Ether
 Concen: 18.482 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion: 74 Resp: 31794
 Ion Ratio Lower Upper
 74 100
 45 101.1 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.280 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

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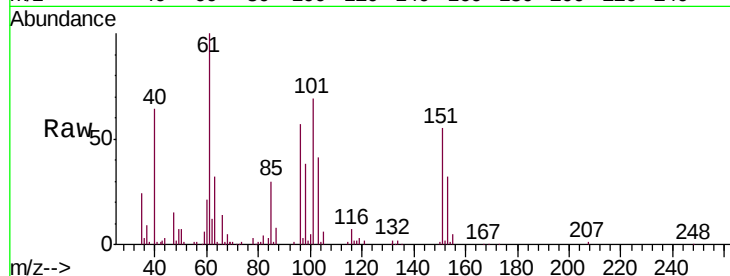
Tgt Ion:101 Resp: 66620

Ion Ratio Lower Upper

101 100

85 47.5 35.1 52.7

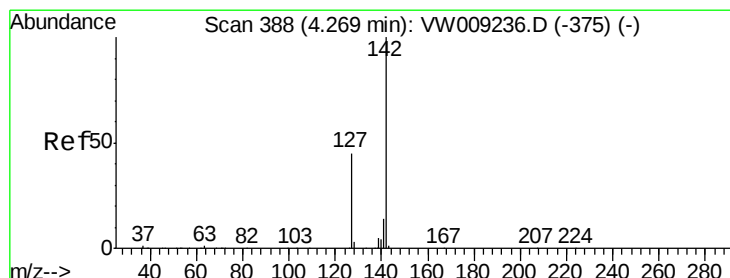
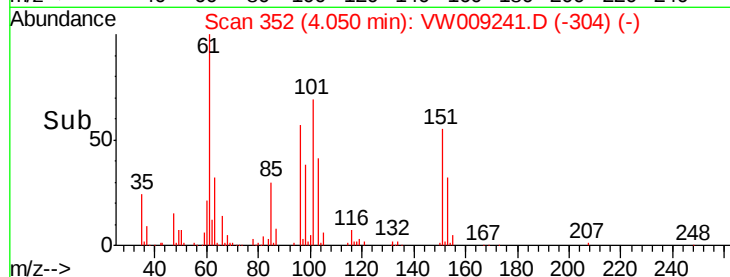
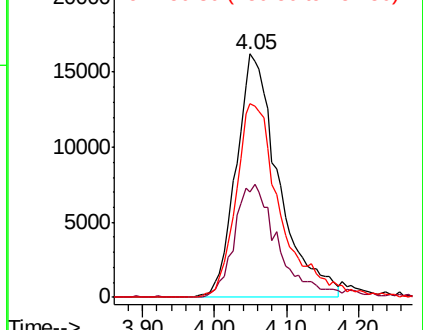
151 84.2 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.358 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

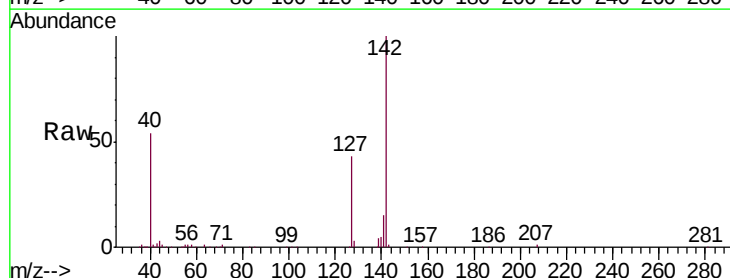
Tgt Ion:142 Resp: 96427

Ion Ratio Lower Upper

142 100

127 46.6 35.9 53.9

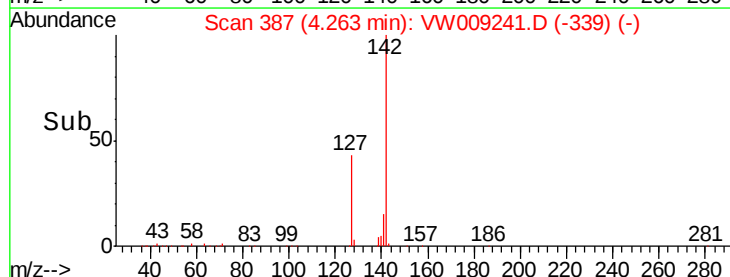
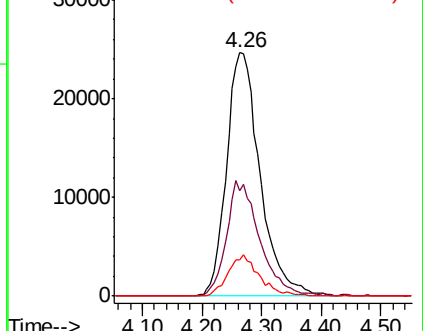
141 15.9 11.4 17.2

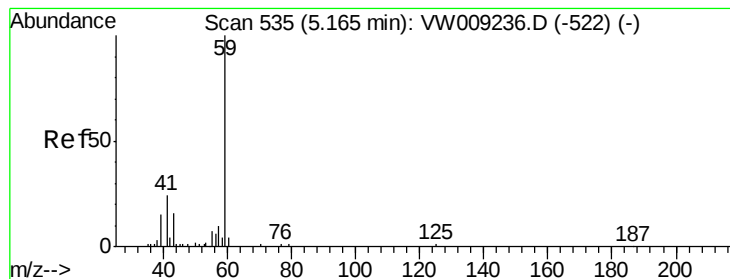


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



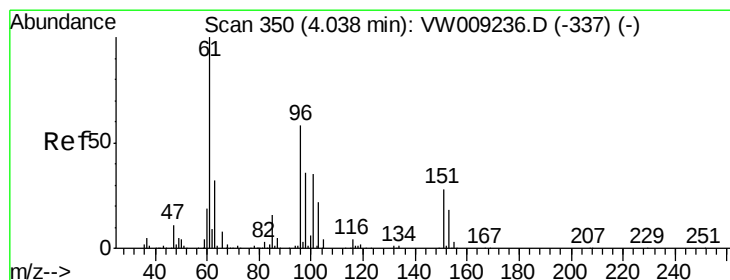
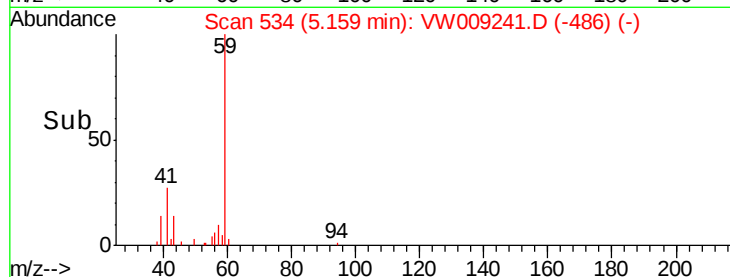
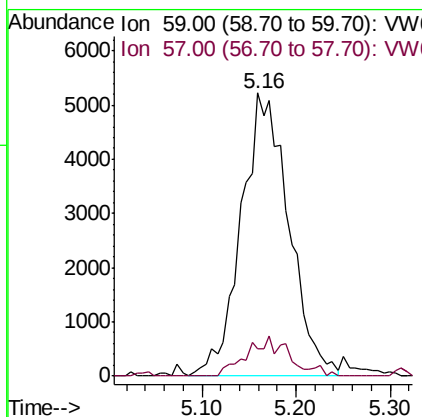
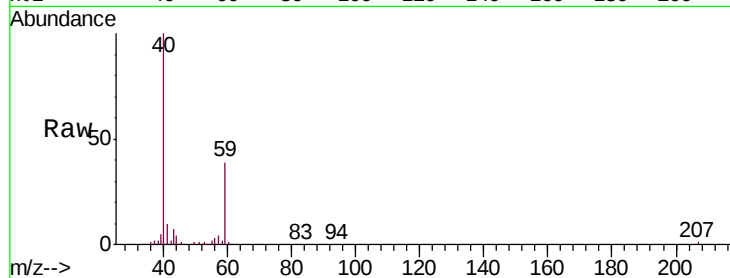


#11

Tert butyl alcohol
 Concen: 87.246 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

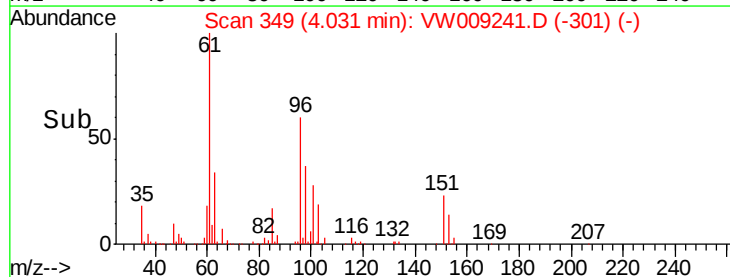
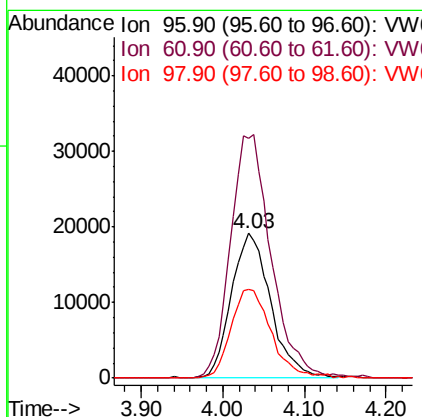
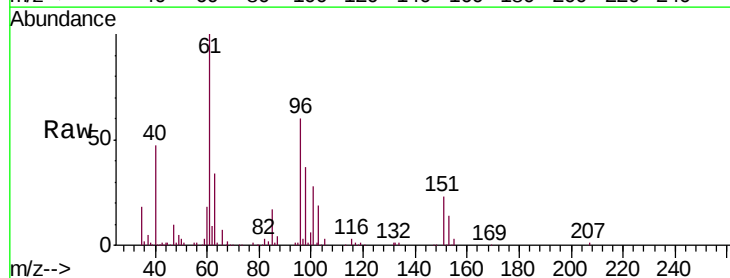
Tgt Ion: 59 Resp: 18439
 Ion Ratio Lower Upper
 59 100
 57 11.7 9.4 14.0

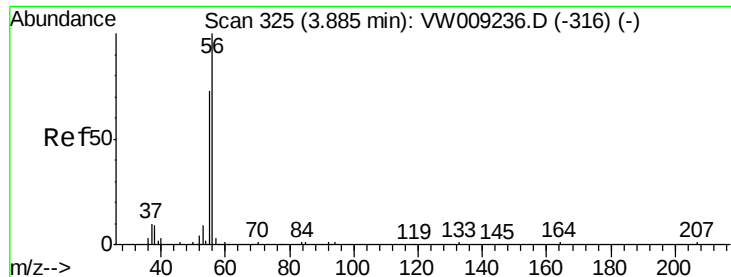


#12

1,1-Dichloroethene
 Concen: 19.653 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion: 96 Resp: 64192
 Ion Ratio Lower Upper
 96 100
 61 165.2 138.0 207.0
 98 61.4 49.8 74.8





#13

Acrolein

Concen: 79.051 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

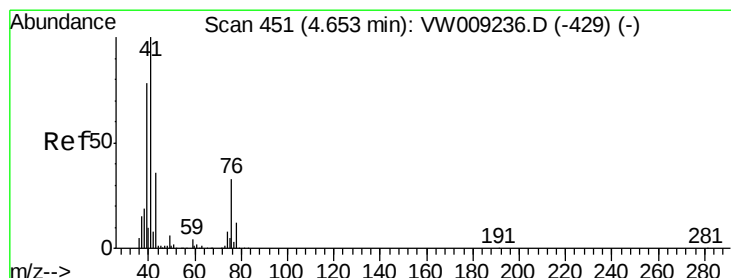
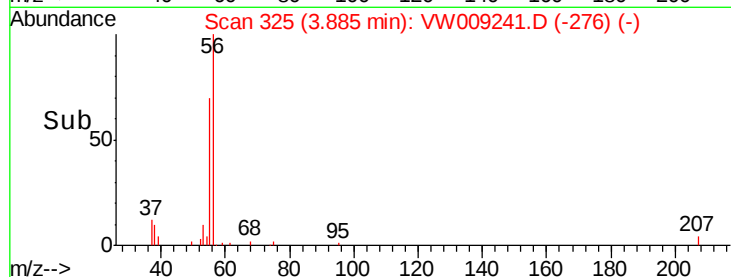
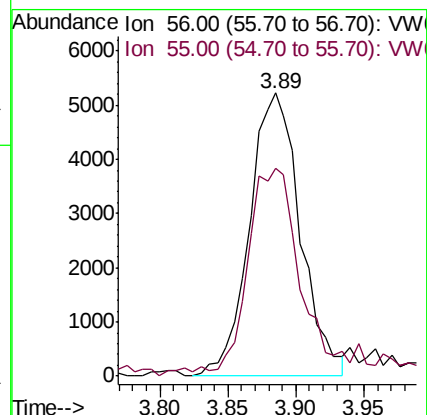
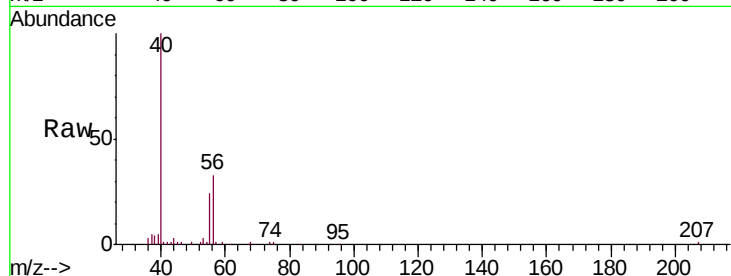
VW0319SBS01

Tgt Ion: 56 Resp: 13637

Ion Ratio Lower Upper

56 100

55 69.2 55.2 82.8



#14

Allyl chloride

Concen: 19.964 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

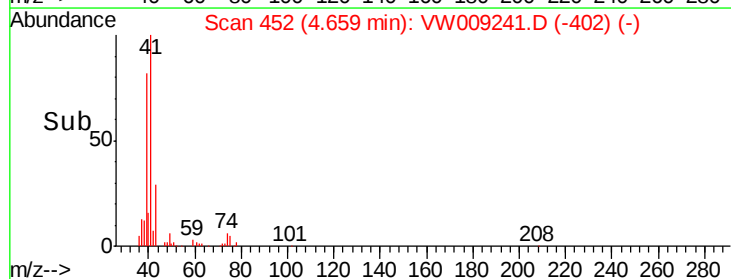
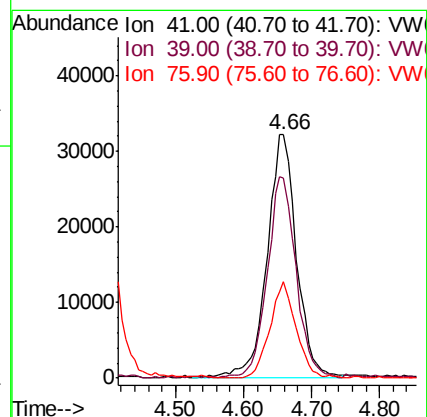
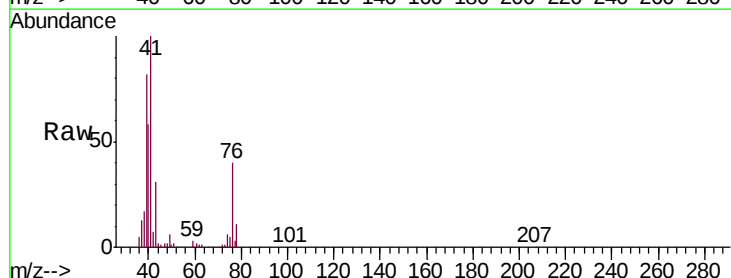
Tgt Ion: 41 Resp: 96131

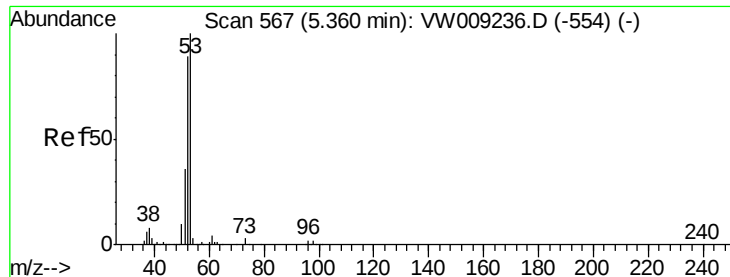
Ion Ratio Lower Upper

41 100

39 82.2 63.8 95.6

76 35.6 27.8 41.6





#15

Acrylonitrile

Concen: 88.268 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

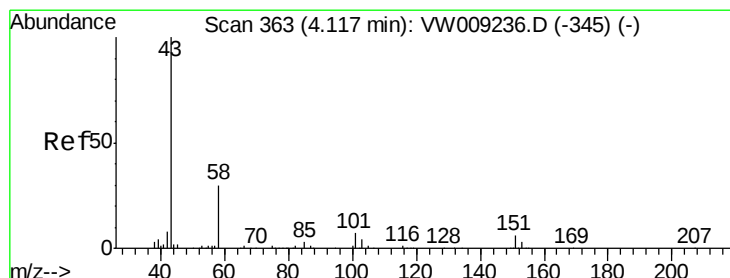
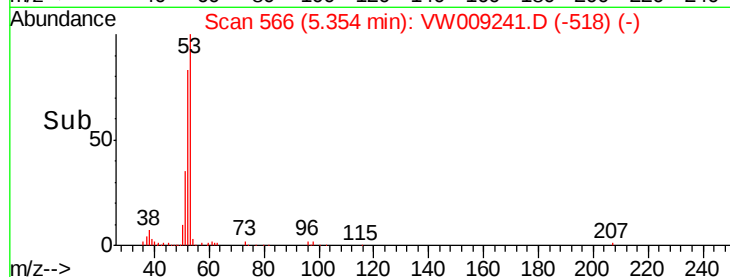
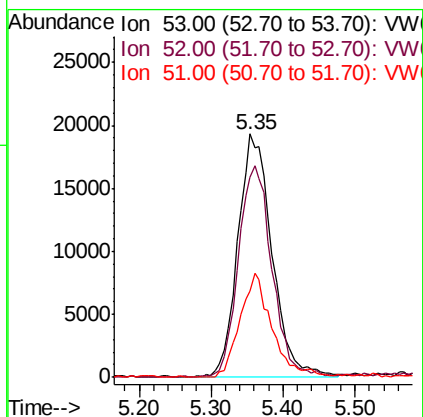
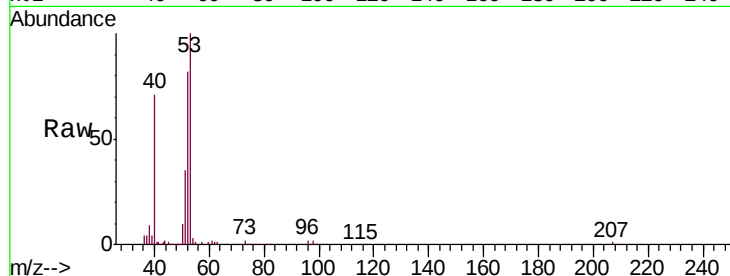
Tgt Ion: 53 Resp: 63816

Ion Ratio Lower Upper

53 100

52 85.3 67.6 101.4

51 39.9 30.6 45.8



#16

Acetone

Concen: 99.695 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009241.D

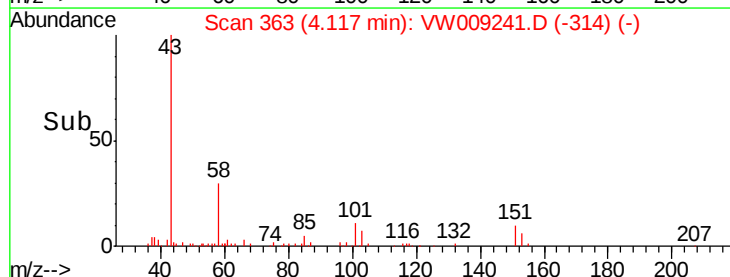
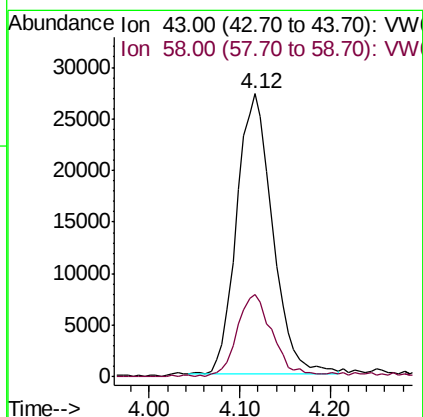
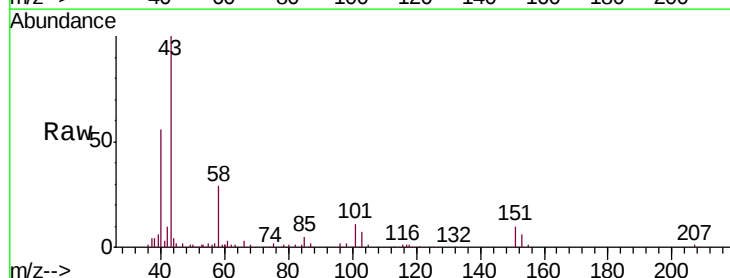
Acq: 19 Mar 2019 15:12

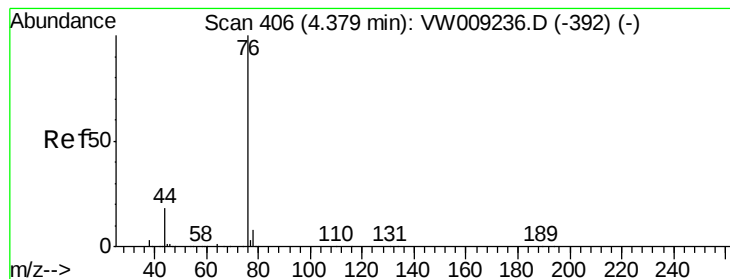
Tgt Ion: 43 Resp: 74461

Ion Ratio Lower Upper

43 100

58 29.0 23.6 35.4





#17

Carbon Disulfide

Concen: 19.608 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

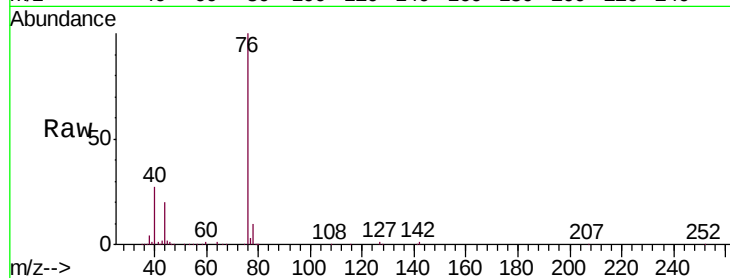
VW0319SBS01

Tgt Ion: 76 Resp: 178547

Ion Ratio Lower Upper

76 100

78 9.5 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

60000

50000

40000

30000

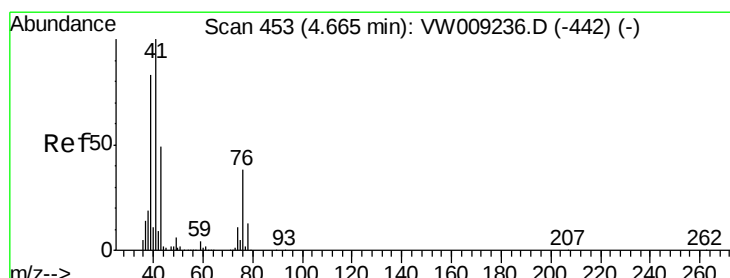
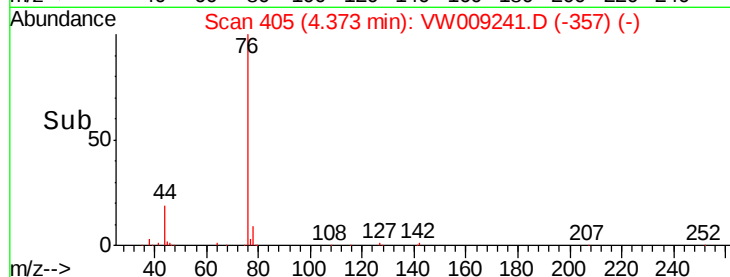
20000

10000

0

4.30 4.37 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 15.364 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009241.D

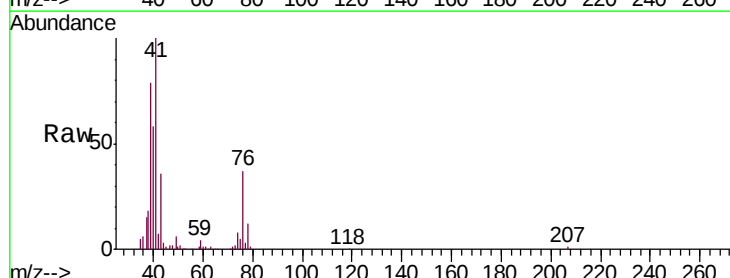
Acq: 19 Mar 2019 15:12

Tgt Ion: 43 Resp: 29450

Ion Ratio Lower Upper

43 100

74 23.1 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

12000

10000

8000

6000

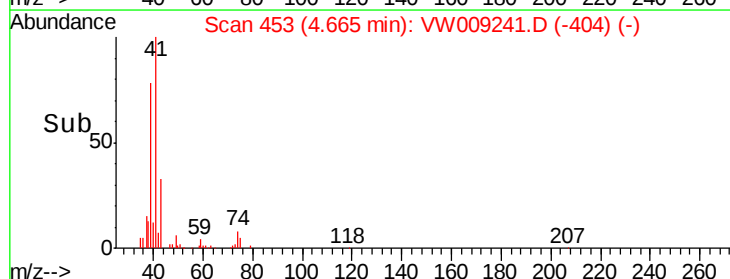
4000

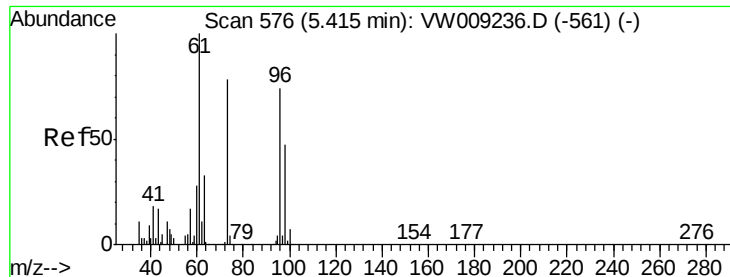
2000

0

4.60 4.67 4.70

Time-->



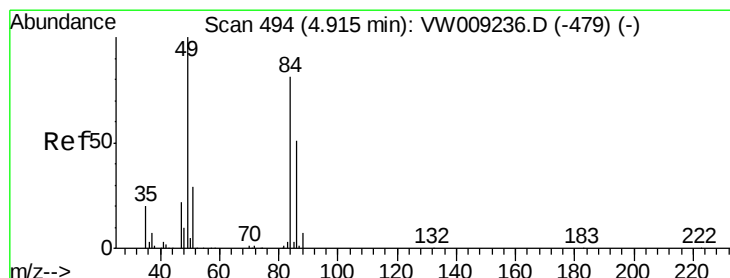
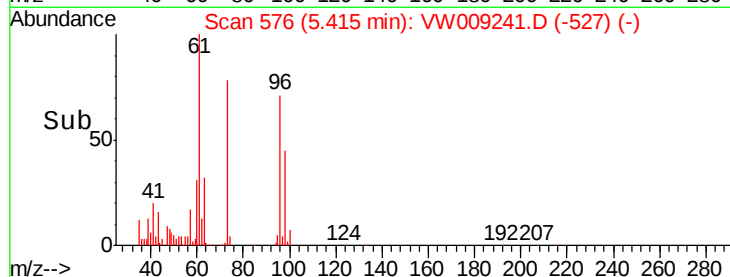
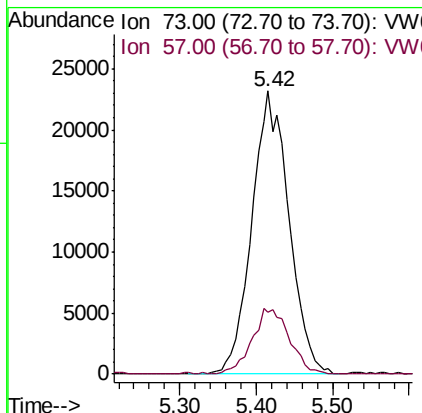
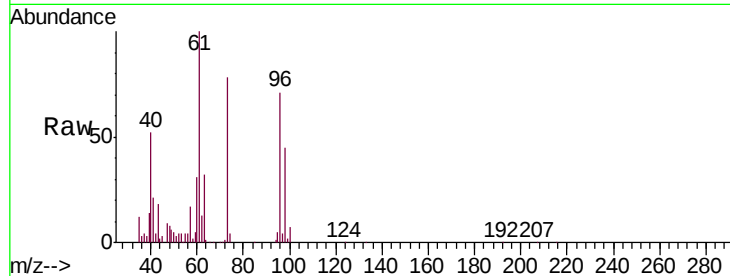


#19

Methyl tert-butyl Ether
 Concen: 19.497 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

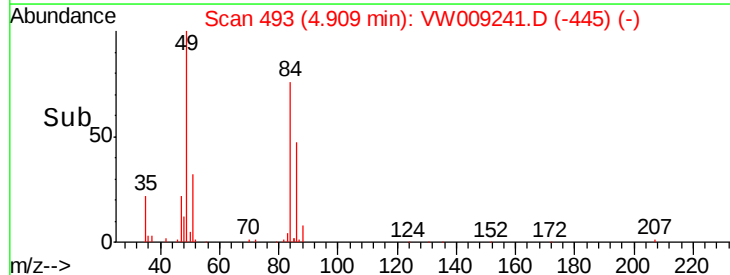
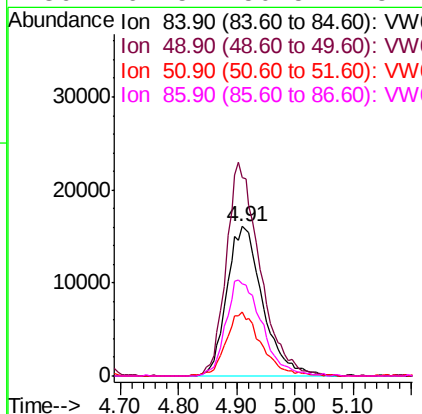
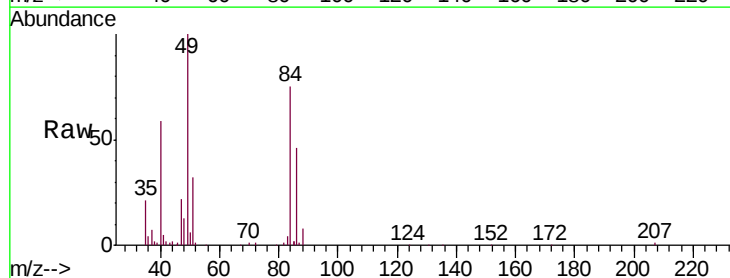
Tgt Ion: 73 Resp: 78159
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.0 25.6

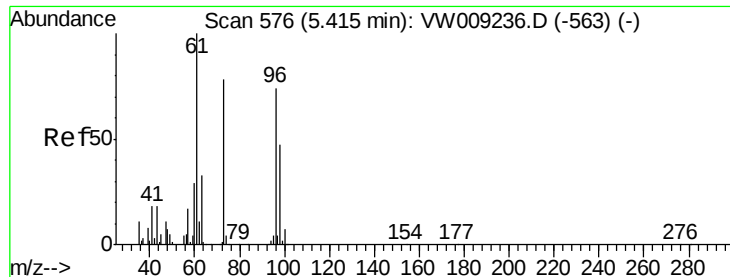


#20

Methylene Chloride
 Concen: 20.407 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion: 84 Resp: 68685
 Ion Ratio Lower Upper
 84 100
 49 132.8 99.1 148.7
 51 43.2 28.7 43.1#
 86 61.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.776 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

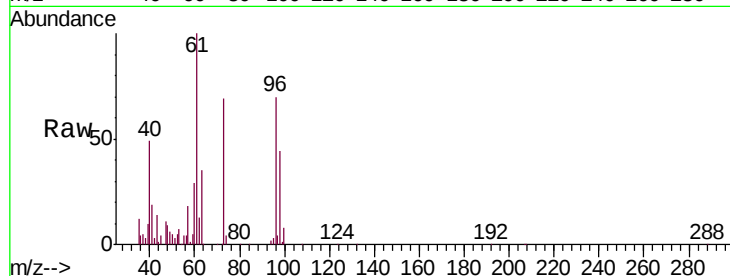
Tgt Ion: 96 Resp: 66457

Ion Ratio Lower Upper

96 100

61 142.9 108.2 162.4

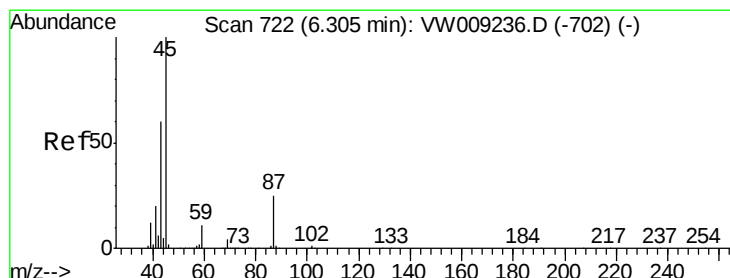
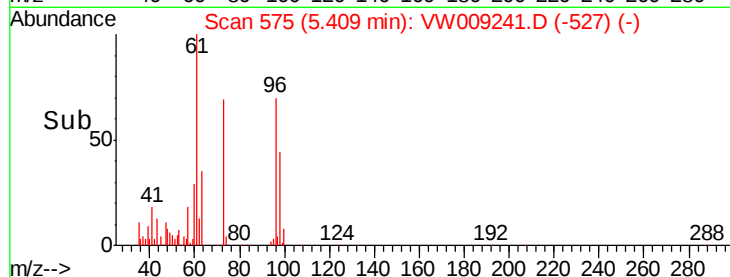
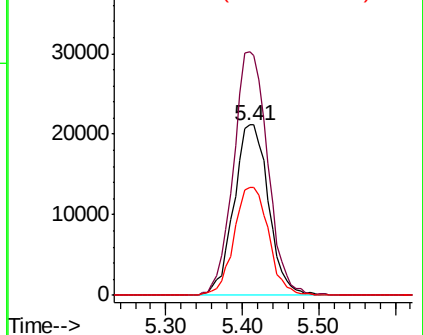
98 63.4 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.225 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Tgt Ion: 45 Resp: 199572

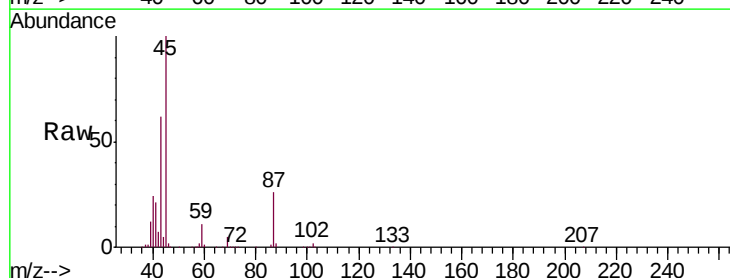
Ion Ratio Lower Upper

45 100

43 61.3 47.9 71.9

87 26.3 20.6 30.8

59 10.5 9.0 13.4

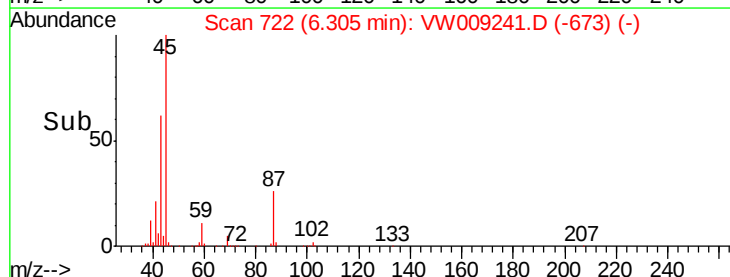
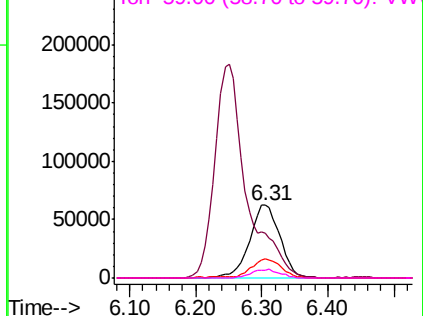


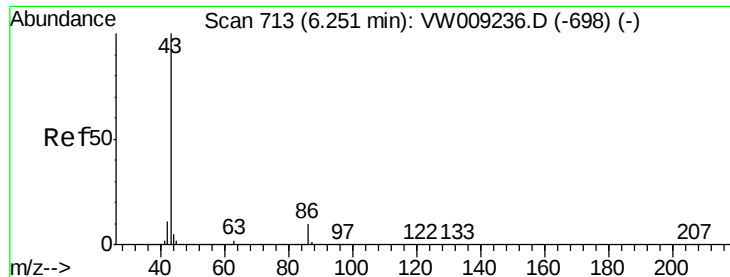
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW

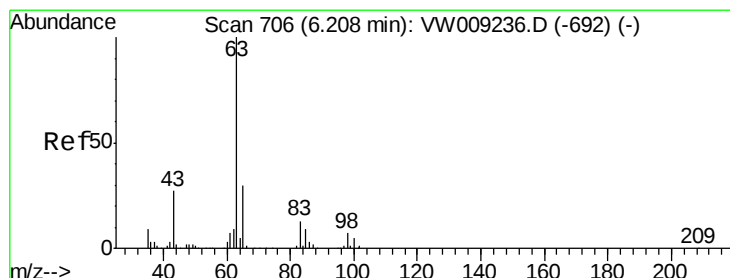
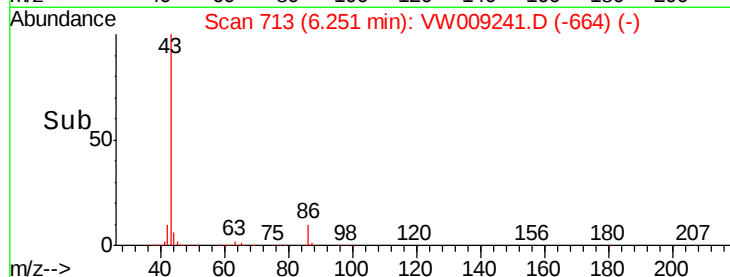
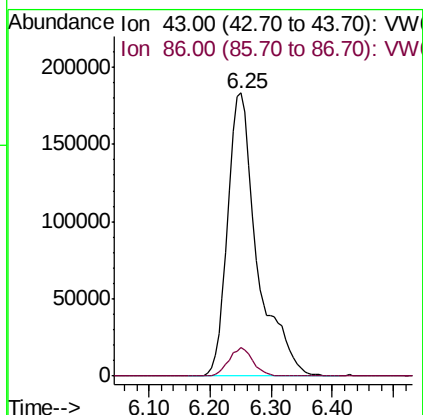
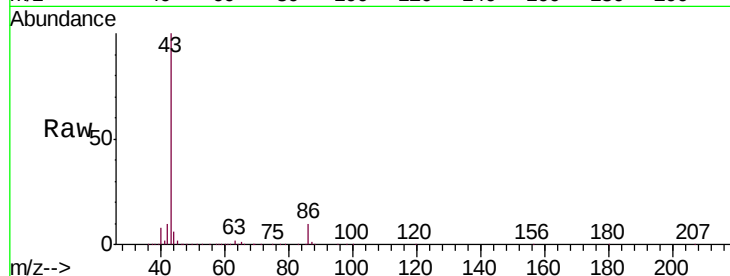




#23
 Vinyl Acetate
 Concen: 93.697 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

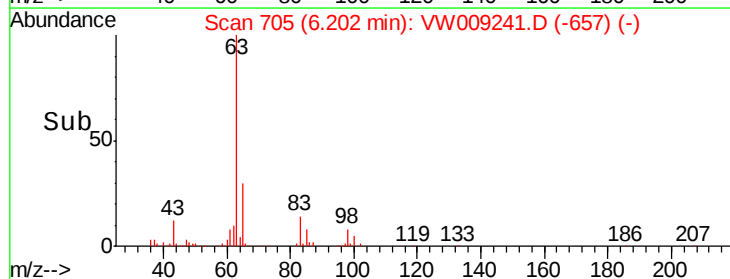
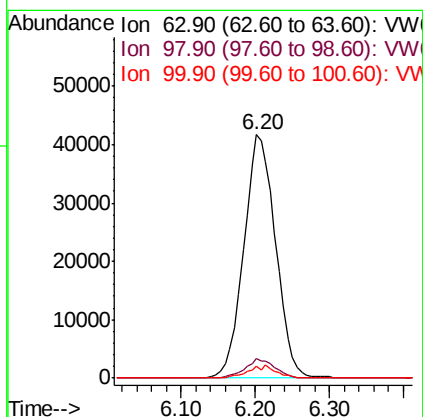
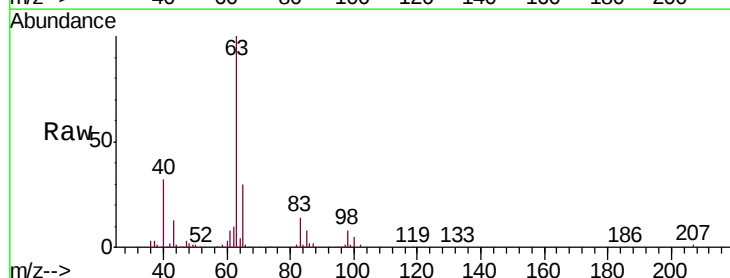
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

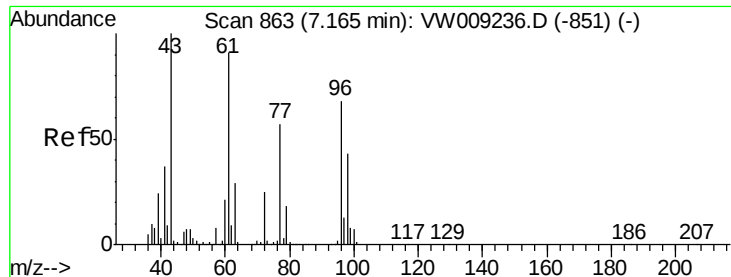
Tgt Ion: 43 Resp: 610290
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 19.471 ug/l
 RT: 6.20 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion: 63 Resp: 124742
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.7 11.1
 100 4.8 2.4 7.1





#25

2-Butanone

Concen: 88.005 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

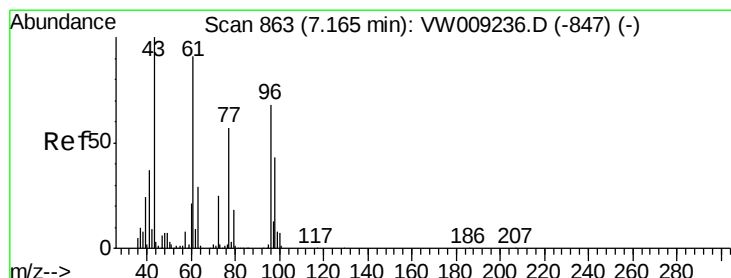
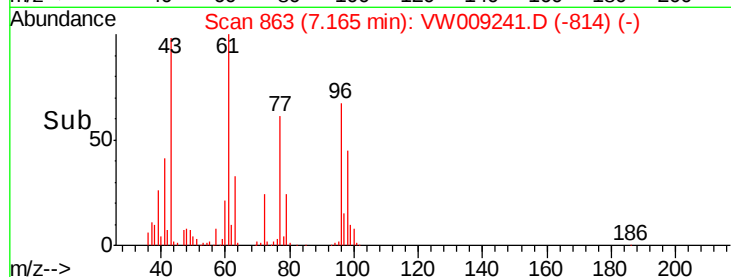
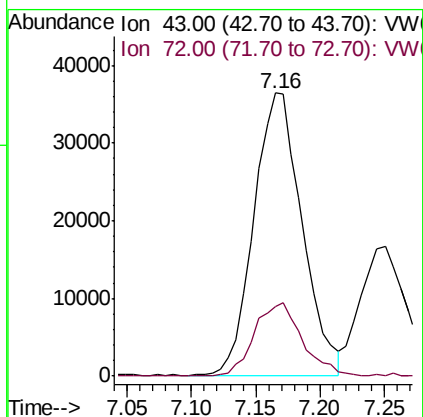
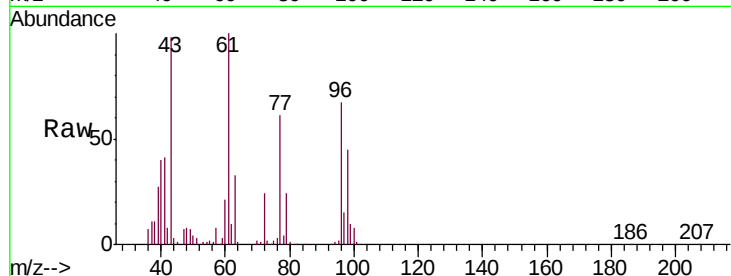
VW0319SBS01

Tgt Ion: 43 Resp: 94184

Ion Ratio Lower Upper

43 100

72 24.6 20.0 30.0



#26

2,2-Dichloropropane

Concen: 20.527 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009241.D

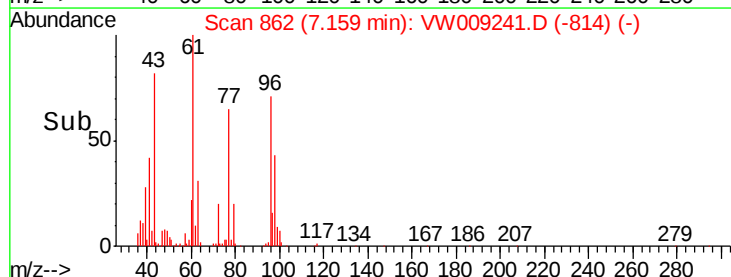
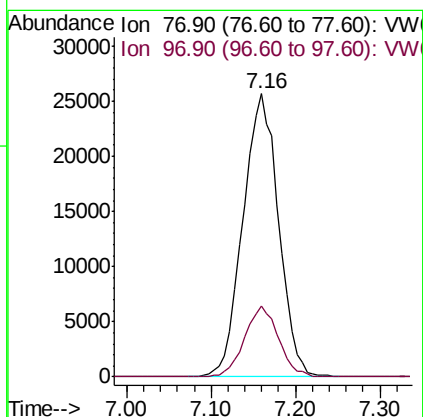
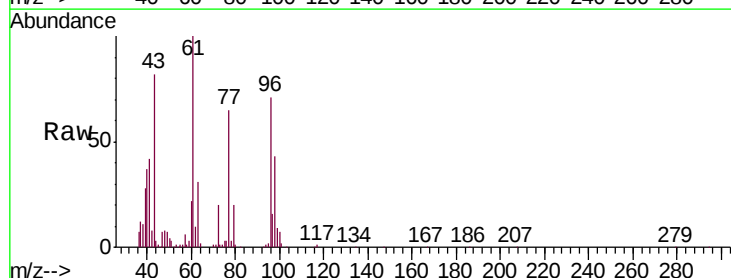
Acq: 19 Mar 2019 15:12

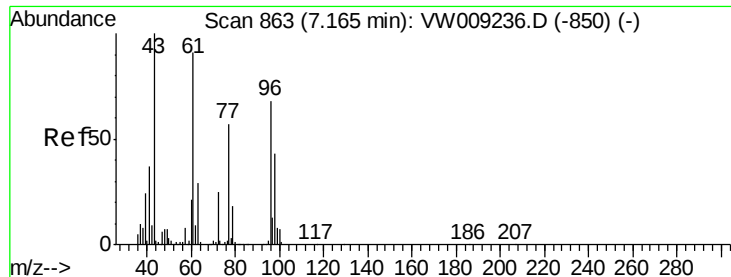
Tgt Ion: 77 Resp: 73480

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.7



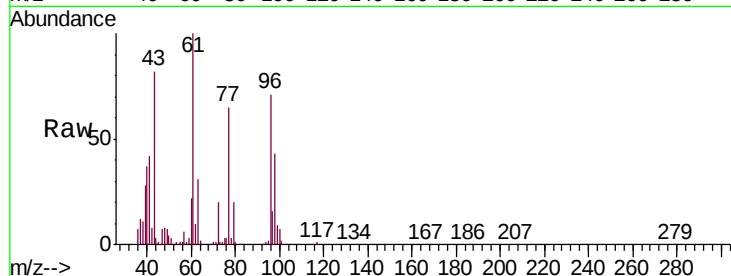


#27

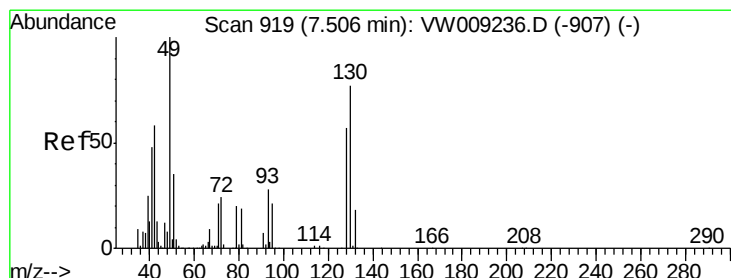
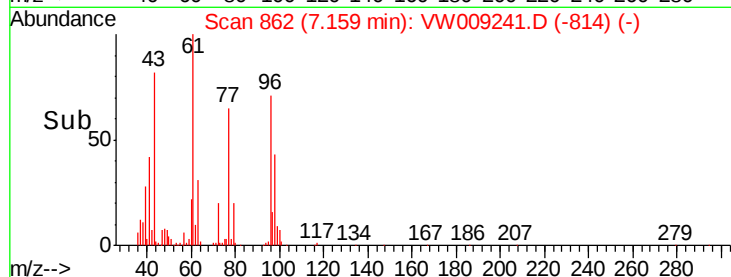
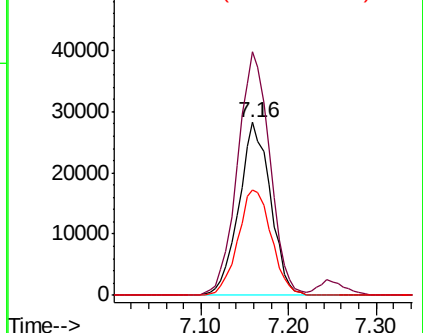
cis-1,2-Dichloroethene
Concen: 19.522 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tgt Ion: 96 Resp: 71074
Ion Ratio Lower Upper
96 100
61 143.9 0.0 289.8
98 64.3 0.0 130.8



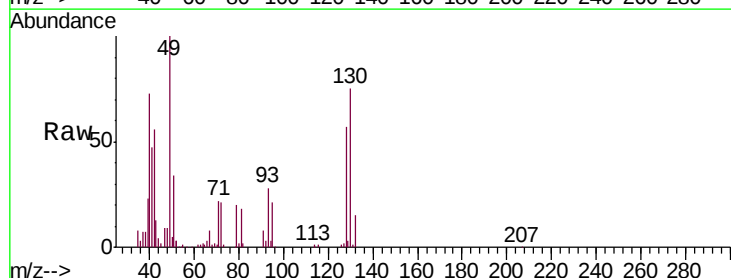
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



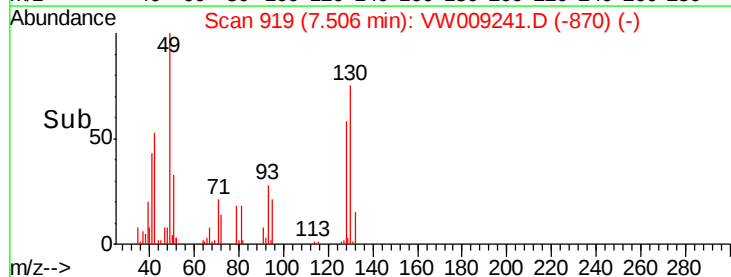
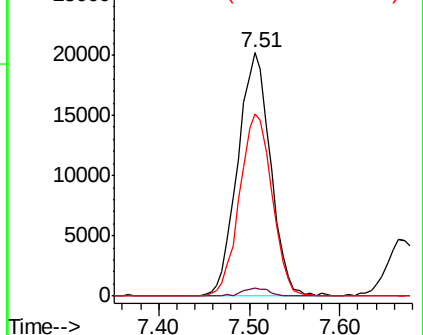
#28

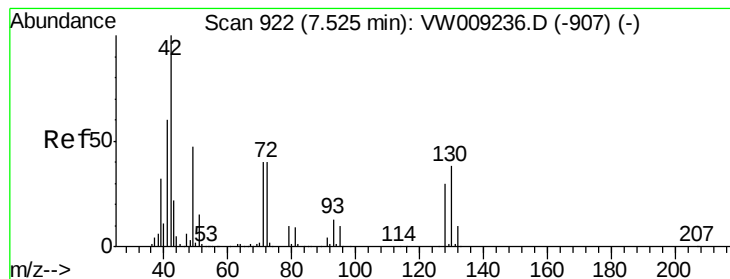
Bromochloromethane
Concen: 18.016 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Tgt Ion: 49 Resp: 50628
Ion Ratio Lower Upper
49 100
129 2.5 0.0 1.4#
130 73.8 58.6 88.0



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





#29

Tetrahydrofuran

Concen: 86.984 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

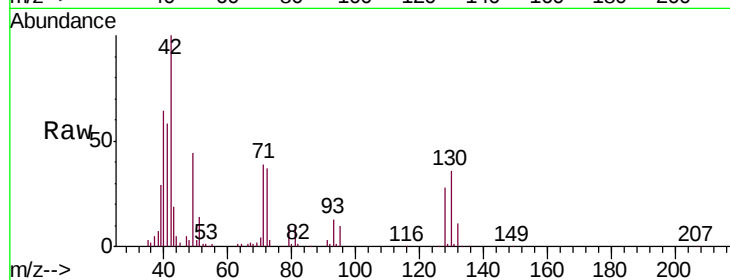
Tgt Ion: 42 Resp: 59171

Ion Ratio Lower Upper

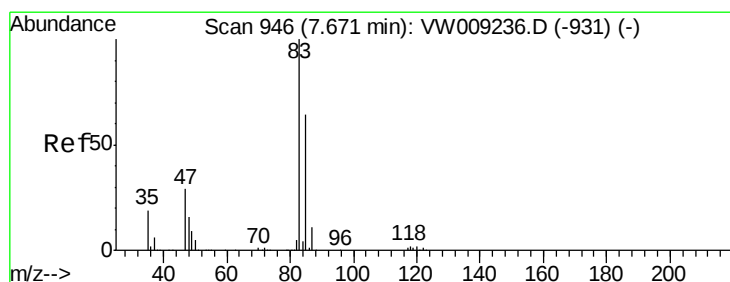
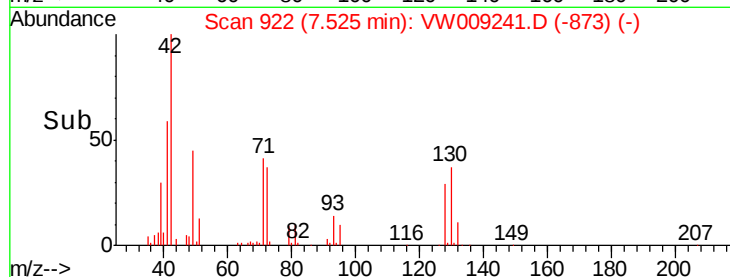
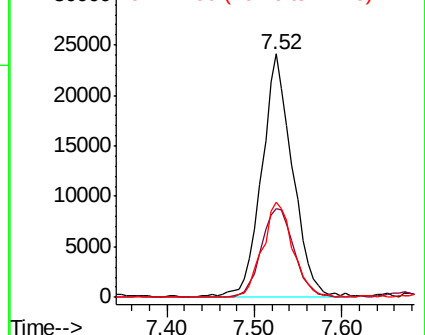
42 100

72 38.8 32.4 48.6

71 38.6 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 18.969 ug/l

RT: 7.66 min Scan# 945

Delta R.T. -0.01 min

Lab File: VW009241.D

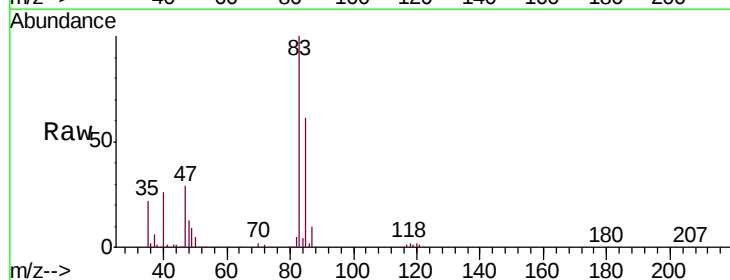
Acq: 19 Mar 2019 15:12

Tgt Ion: 83 Resp: 126449

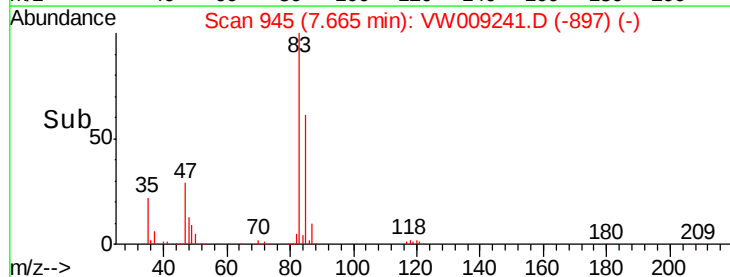
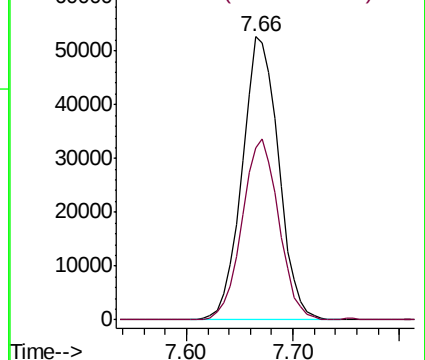
Ion Ratio Lower Upper

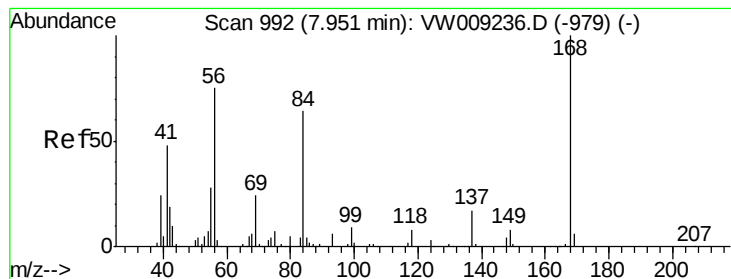
83 100

85 60.7 51.0 76.6



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





#31

Cyclohexane

Concen: 20.068 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

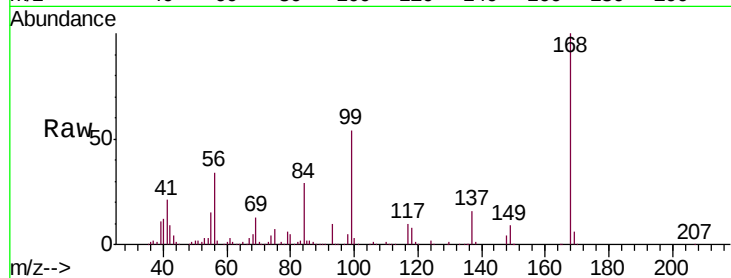
Tgt Ion: 56 Resp: 119863

Ion Ratio Lower Upper

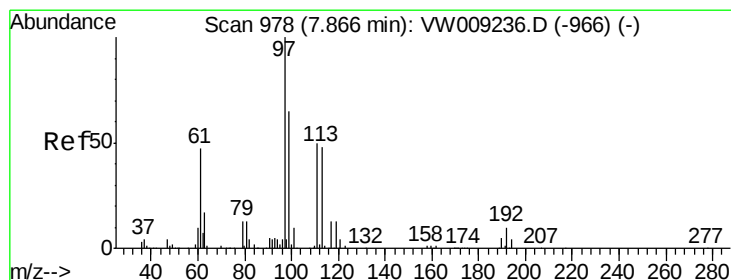
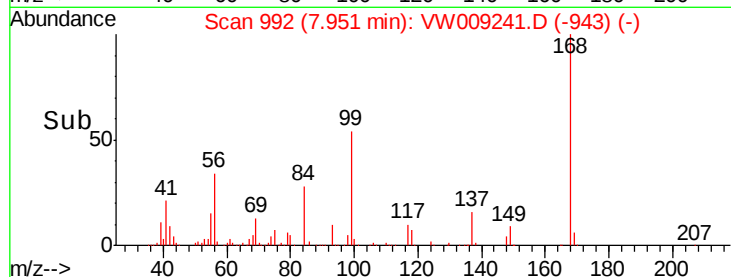
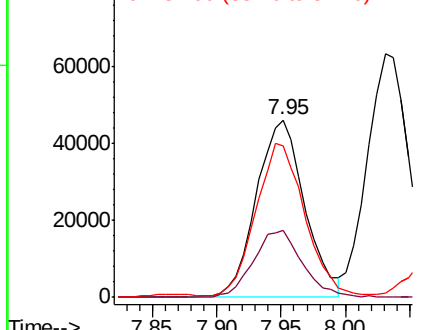
56 100

69 37.6 26.1 39.1

84 83.9 68.6 103.0



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



#32

1,1,1-Trichloroethane

Concen: 19.516 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

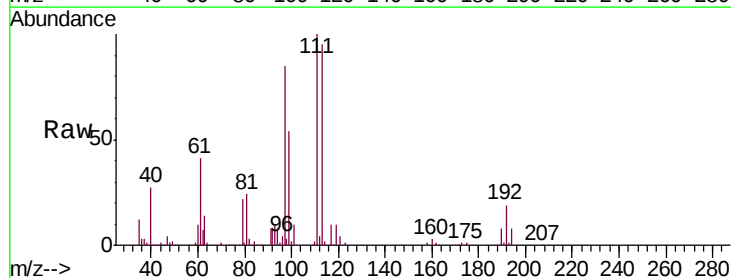
Tgt Ion: 97 Resp: 103840

Ion Ratio Lower Upper

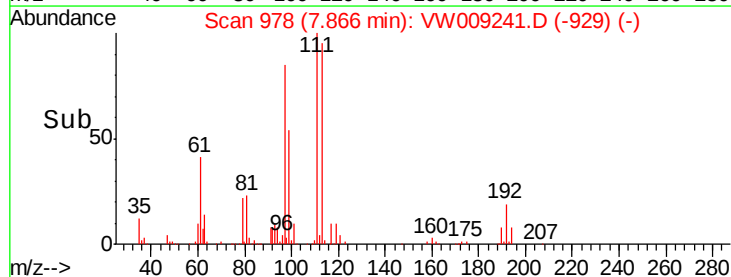
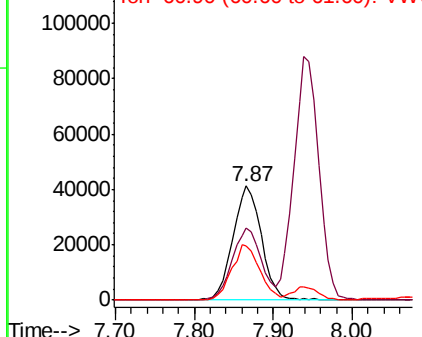
97 100

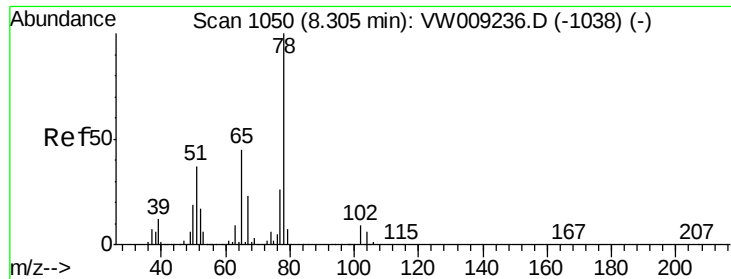
99 64.0 51.9 77.9

61 47.8 36.8 55.2



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

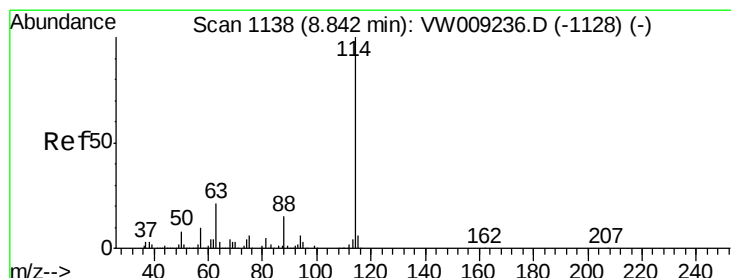
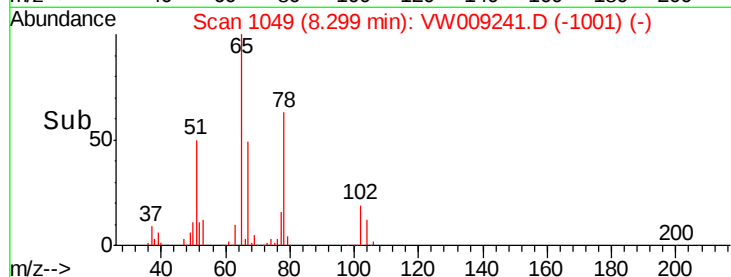
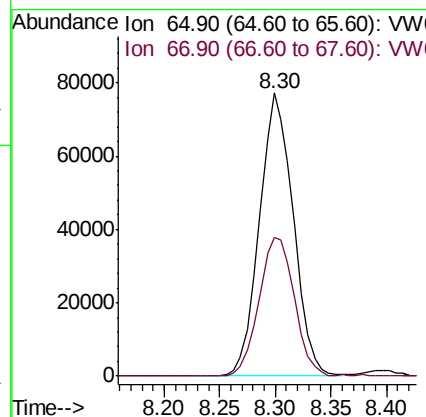
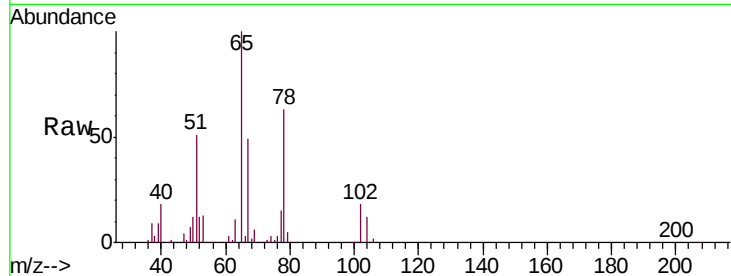




#33
 1,2-Dichloroethane-d4
 Concen: 44.879 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

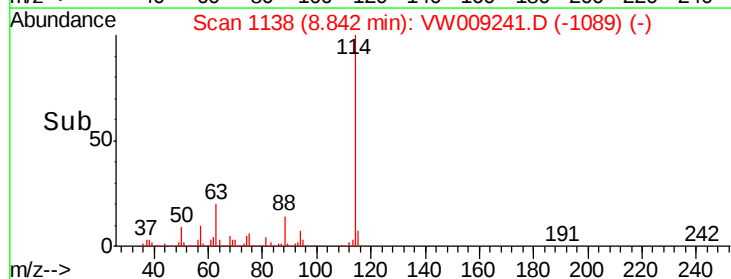
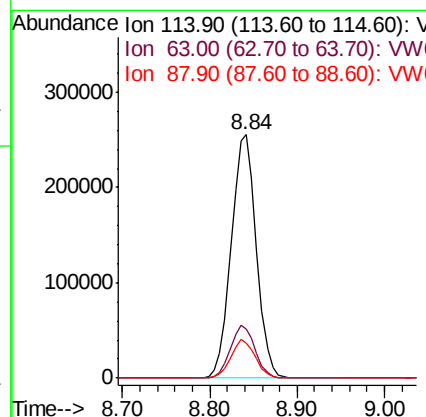
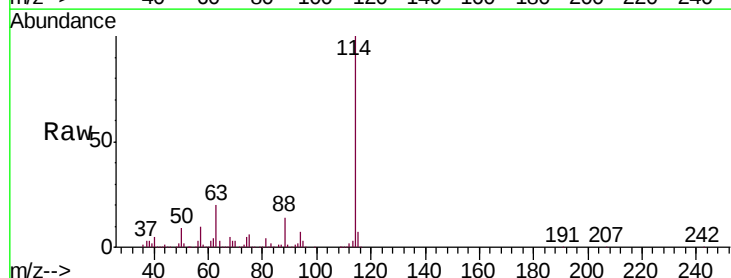
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

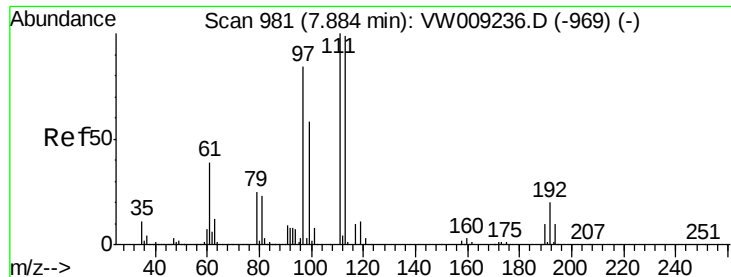
Tgt Ion: 65 Resp: 163380
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion: 114 Resp: 506016
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.2
 88 14.5 0.0 30.8

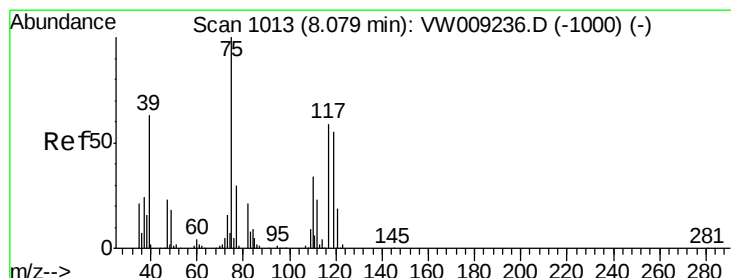
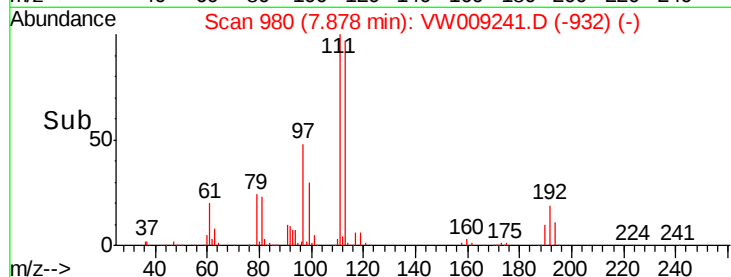
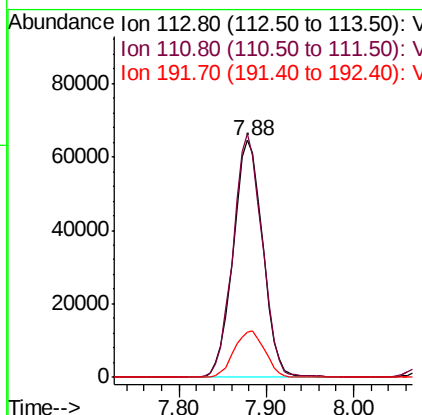
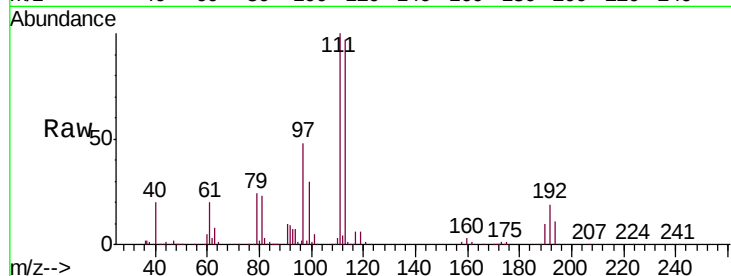




#35
 Dibromofluoromethane
 Concen: 47.323 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

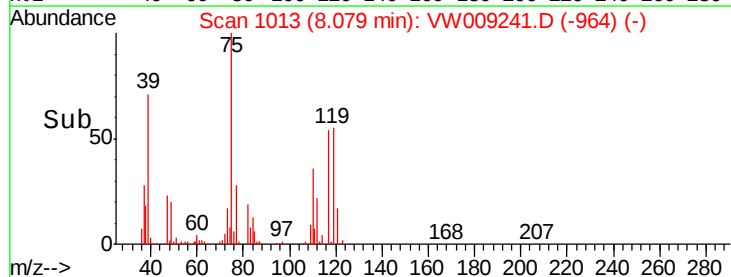
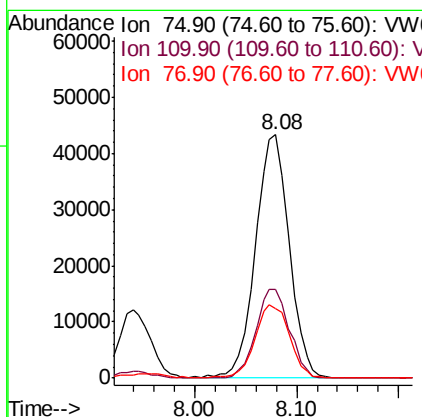
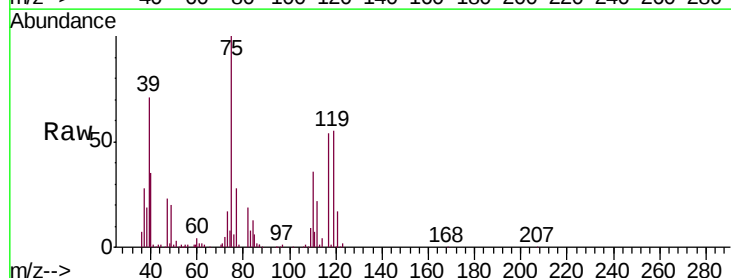
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

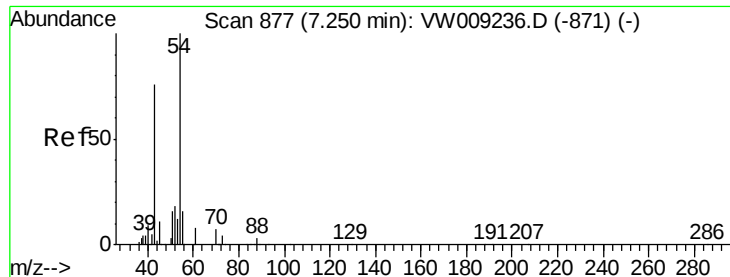
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	124.0
192	20.3	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 19.838 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	16.8	50.4
77	30.9	24.6	36.8





#37

Ethyl Acetate

Concen: 17.794 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

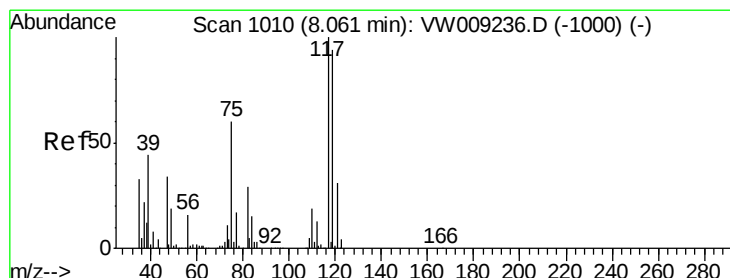
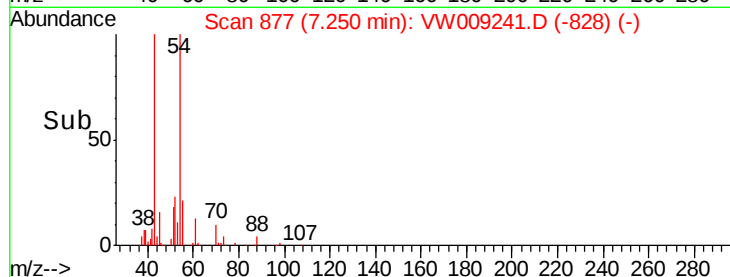
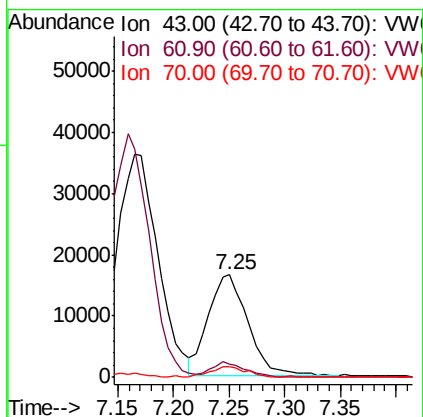
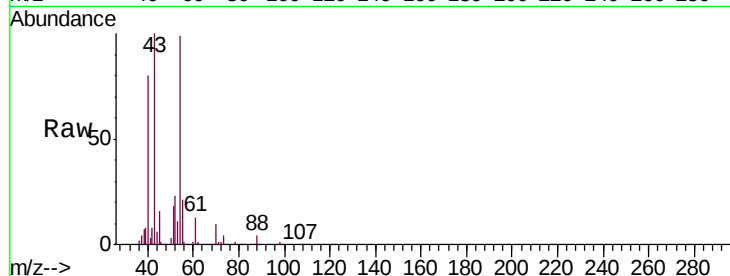
Tgt Ion: 43 Resp: 40886

Ion Ratio Lower Upper

43 100

61 13.4 10.0 15.0

70 10.0 7.3 10.9



#38

Carbon Tetrachloride

Concen: 19.573 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

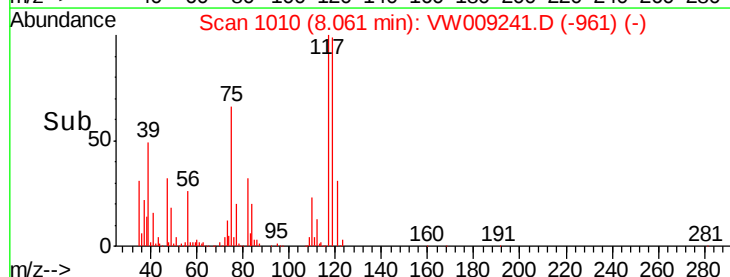
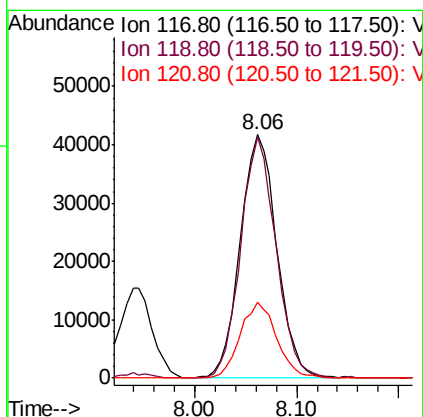
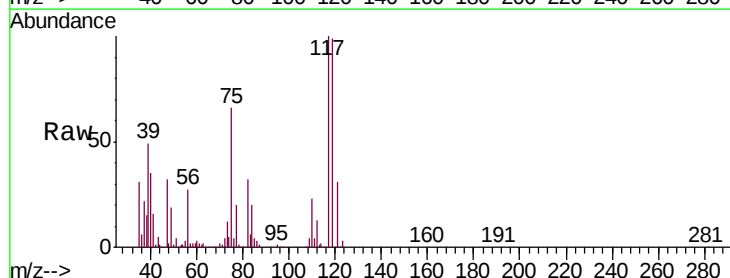
Tgt Ion: 117 Resp: 104303

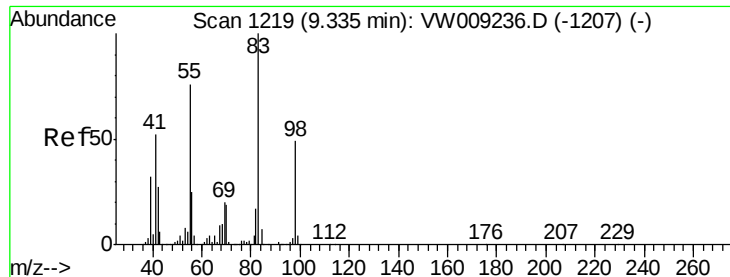
Ion Ratio Lower Upper

117 100

119 99.1 75.4 113.0

121 31.0 24.9 37.3

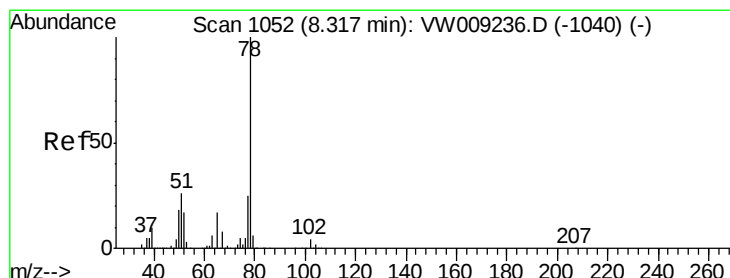
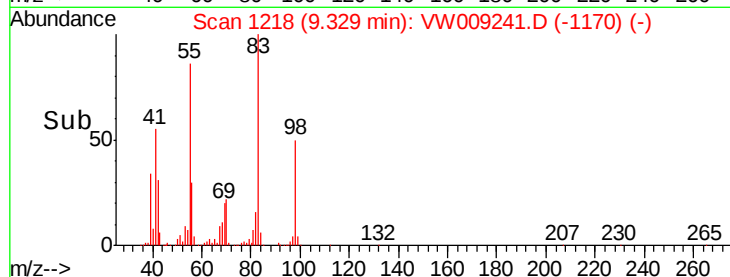
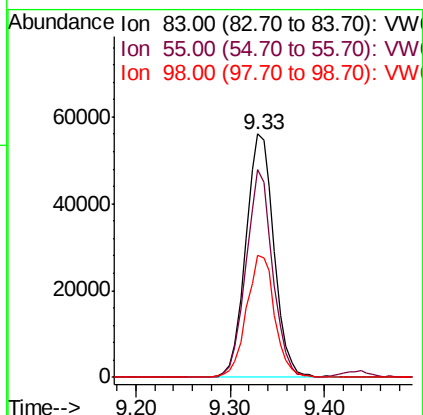
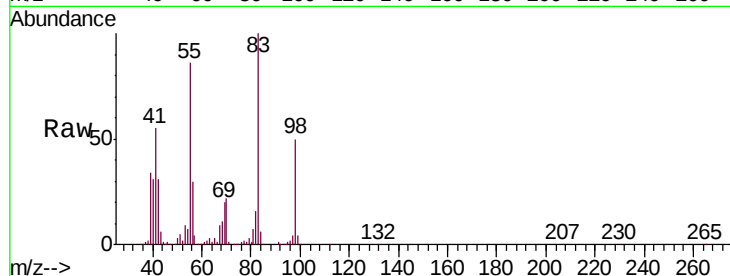




#39
Methylcyclohexane
Concen: 20.202 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

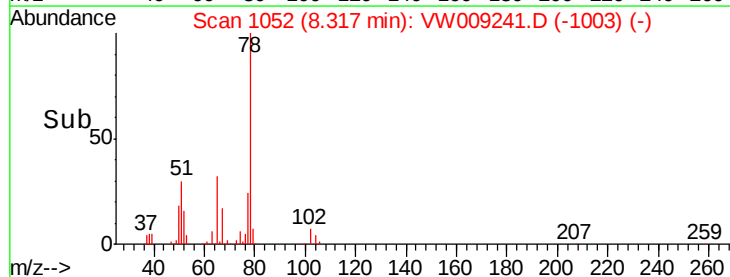
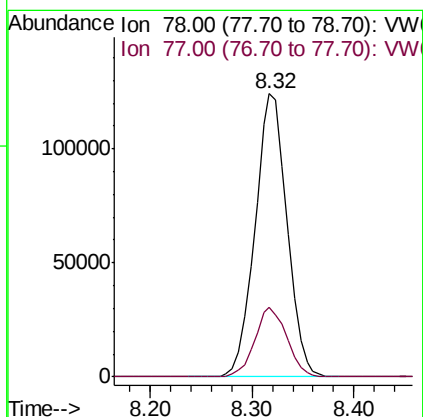
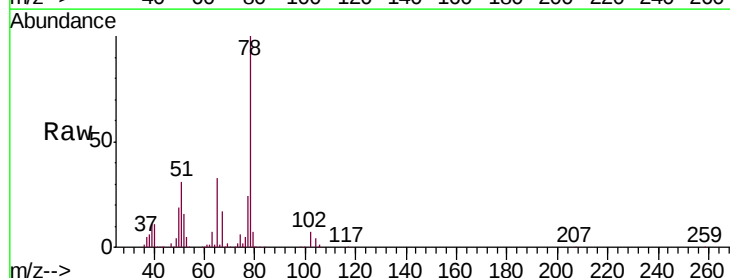
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

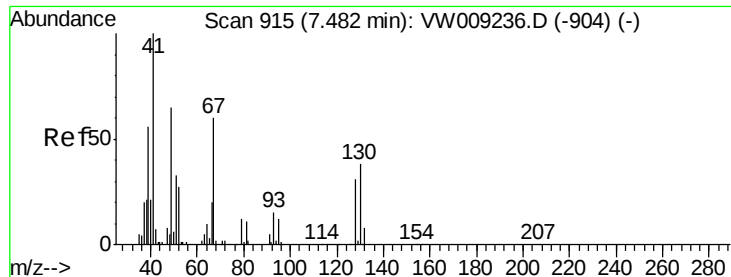
Tgt Ion: 83 Resp: 117694
Ion Ratio Lower Upper
83 100
55 85.5 61.1 91.7
98 50.3 39.0 58.4



#40
Benzene
Concen: 19.852 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Tgt Ion: 78 Resp: 271079
Ion Ratio Lower Upper
78 100
77 24.4 19.8 29.6

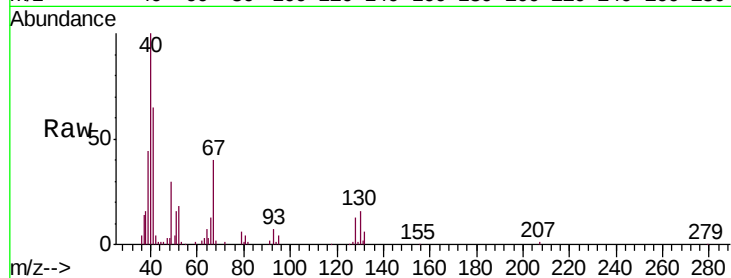




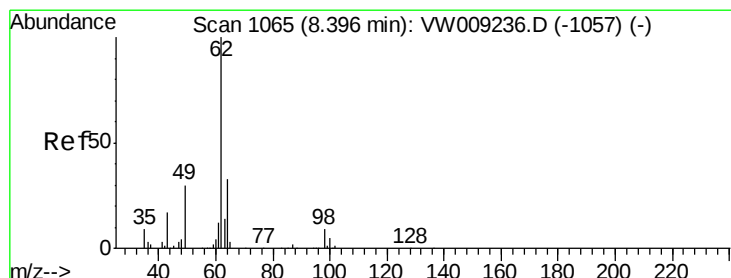
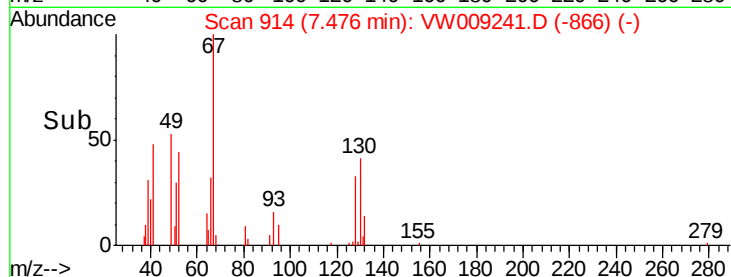
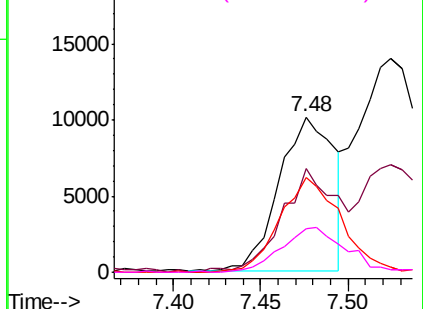
#41
Methacrylonitrile
Concen: 17.937 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tgt Ion:	41	Resp:	22213
Ion	Ratio	Lower	Upper
41	100		
39	68.1	52.5	78.7
67	68.7	56.6	84.8
52	34.7	27.2	40.8

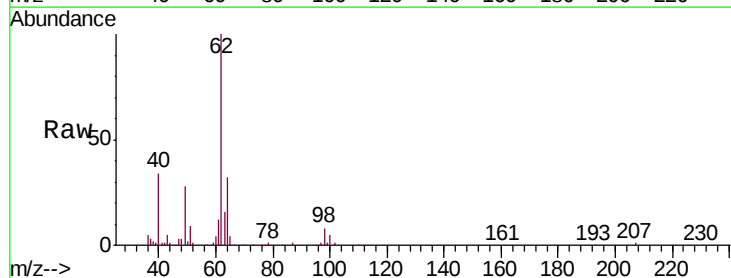


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

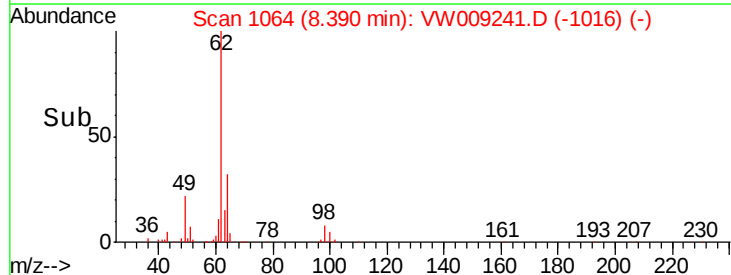
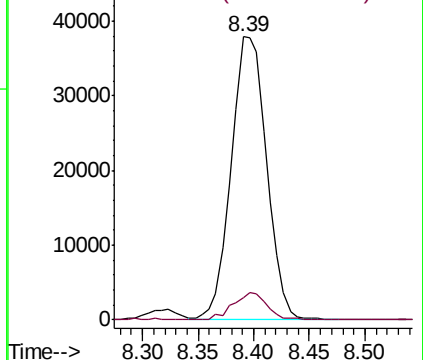


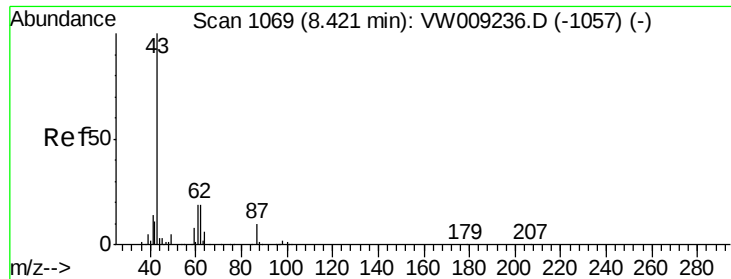
#42
1,2-Dichloroethane
Concen: 18.802 ug/l
RT: 8.39 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Tgt Ion:	62	Resp:	83925
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 17.465 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

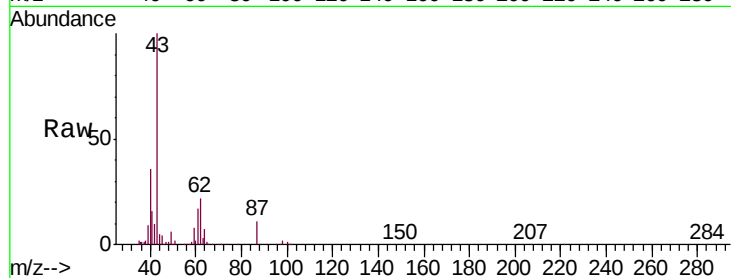
Tgt Ion: 43 Resp: 80354

Ion Ratio Lower Upper

43 100

61 29.3 22.2 33.2

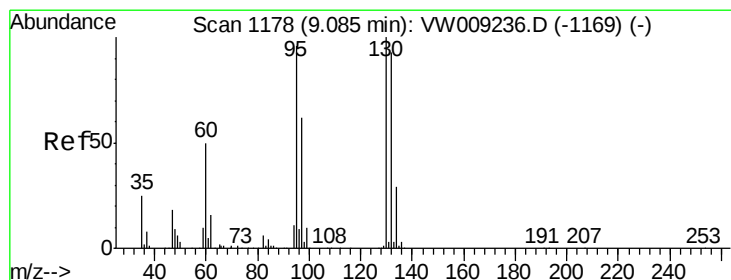
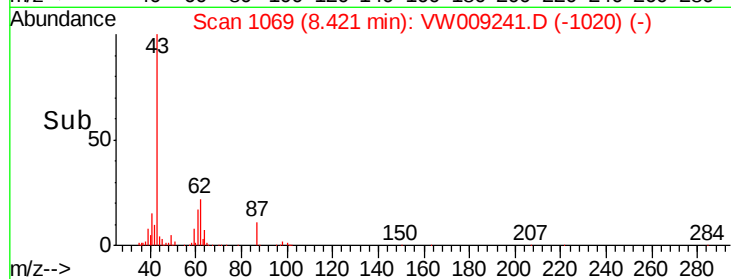
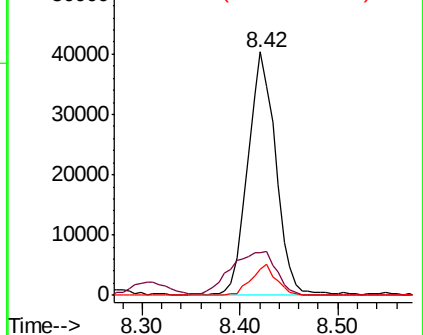
87 11.3 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.777 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW009241.D

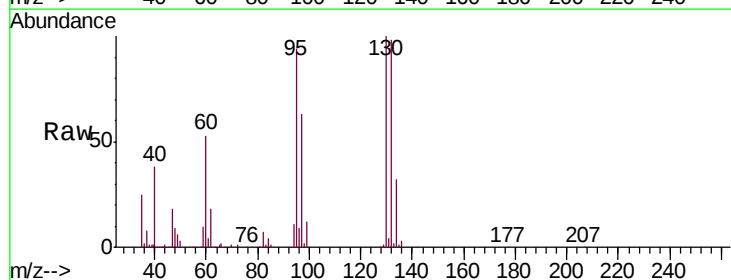
Acq: 19 Mar 2019 15:12

Tgt Ion: 130 Resp: 73979

Ion Ratio Lower Upper

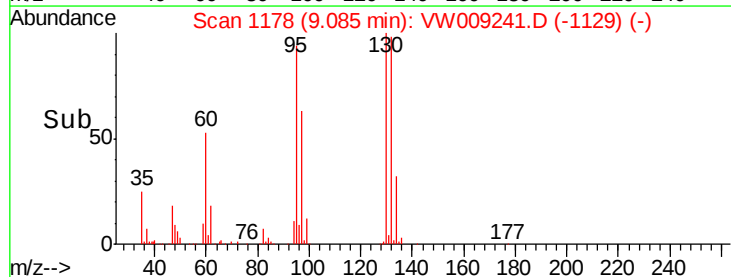
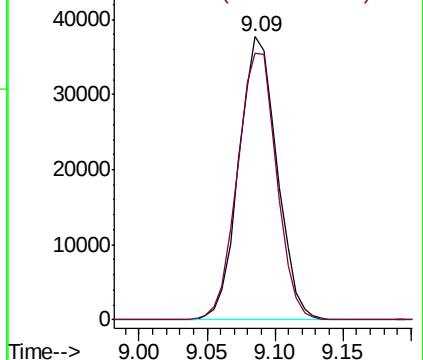
130 100

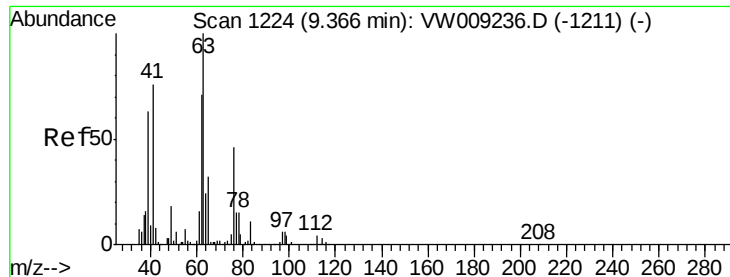
95 94.3 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 19.044 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

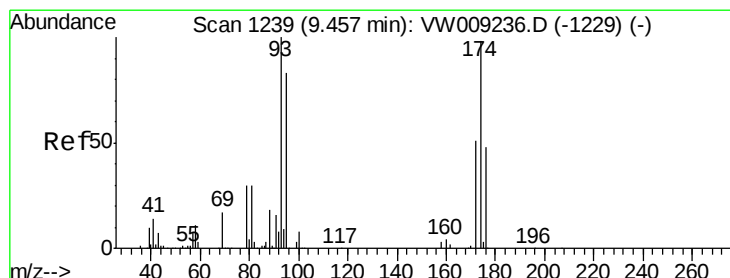
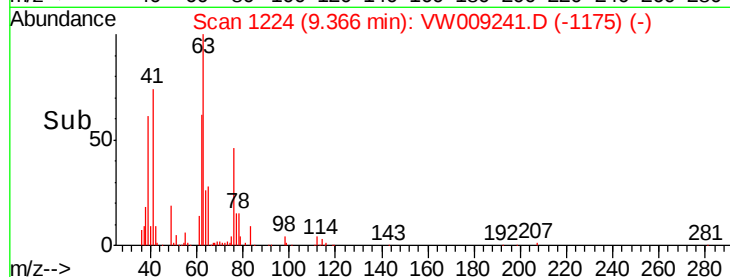
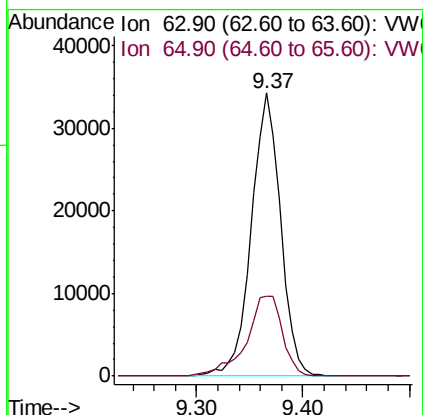
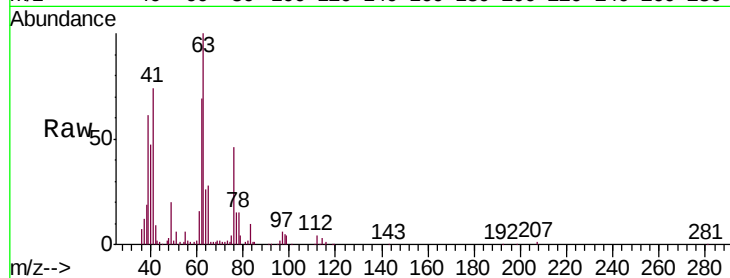
VW0319SBS01

Tgt Ion: 63 Resp: 66105

Ion Ratio Lower Upper

63 100

65 28.3 25.8 38.8



#46

Dibromomethane

Concen: 18.406 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

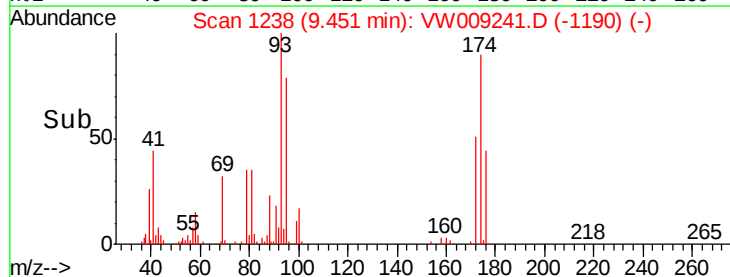
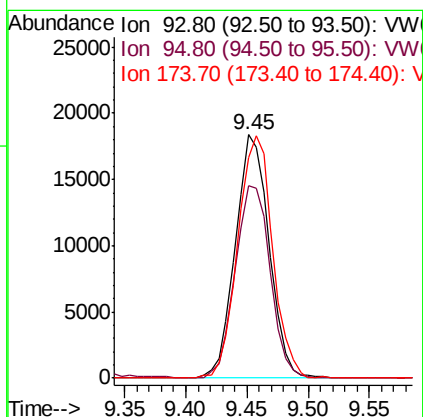
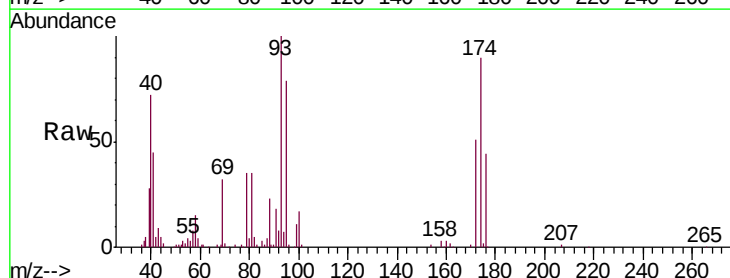
Tgt Ion: 93 Resp: 35134

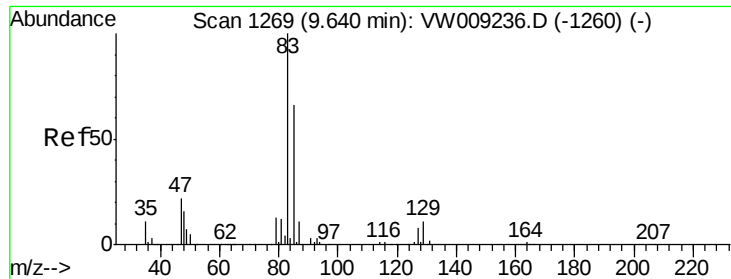
Ion Ratio Lower Upper

93 100

95 82.0 66.9 100.3

174 102.5 80.8 121.2

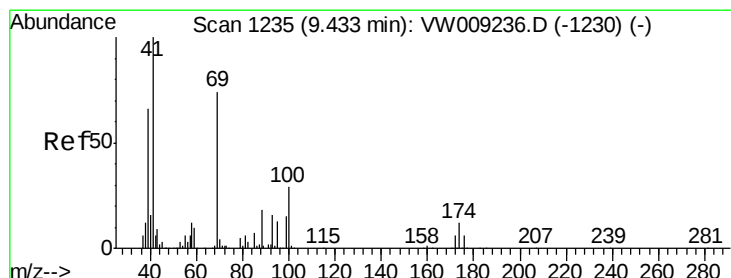
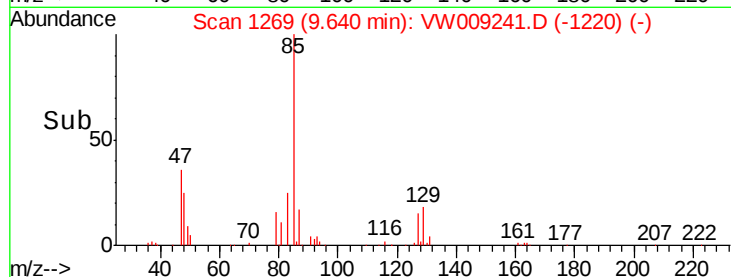
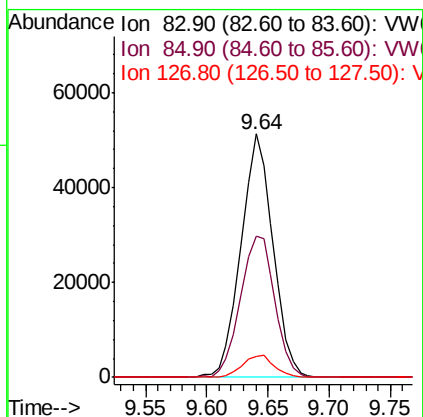
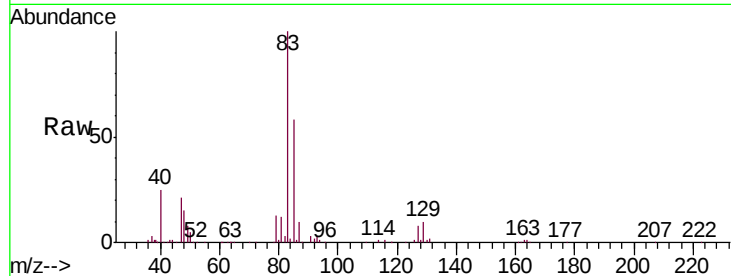




#47
 Bromodichloromethane
 Concen: 19.307 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

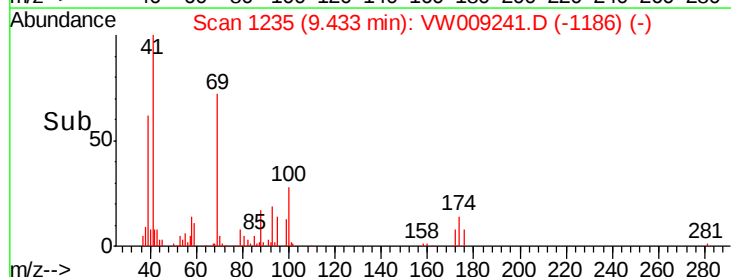
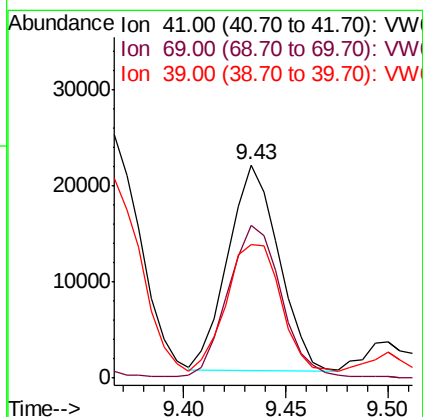
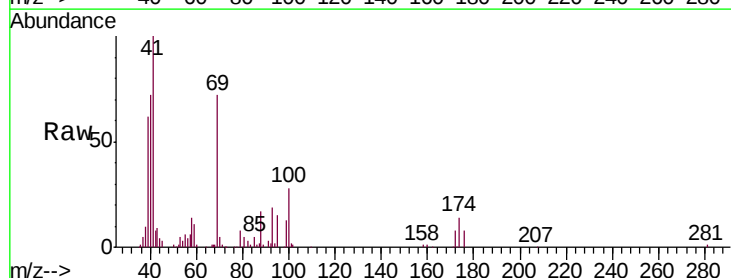
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

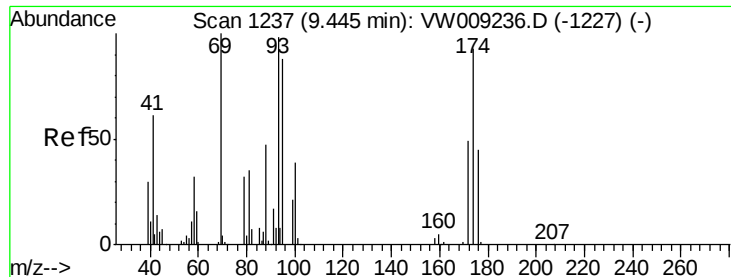
Tgt Ion: 83 Resp: 93127
 Ion Ratio Lower Upper
 83 100
 85 58.1 52.6 79.0
 127 8.4 6.5 9.7



#48
 Methyl methacrylate
 Concen: 17.477 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion: 41 Resp: 37228
 Ion Ratio Lower Upper
 41 100
 69 79.1 63.0 94.6
 39 67.7 57.2 85.8





#49

1,4-Dioxane

Concen: 357.385 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

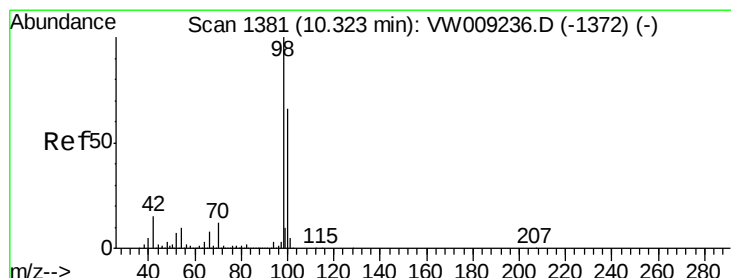
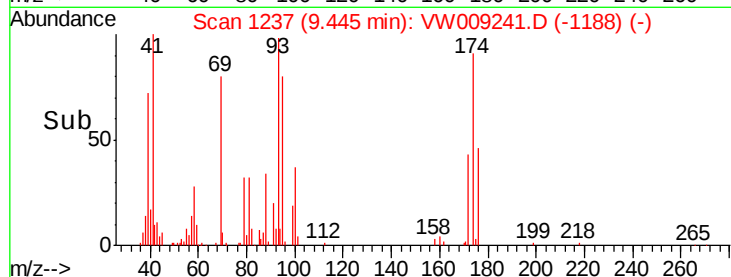
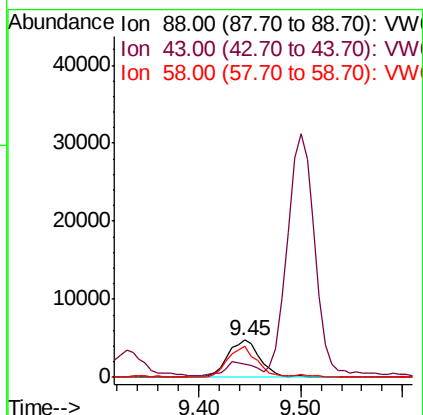
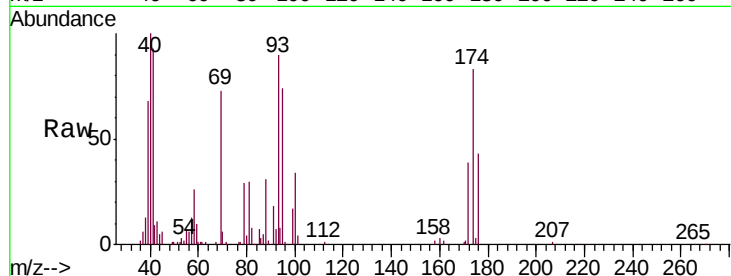
Tgt Ion: 88 Resp: 10581

Ion Ratio Lower Upper

88 100

43 34.4 29.7 44.5

58 76.8 58.1 87.1



#50

Toluene-d8

Concen: 48.525 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009241.D

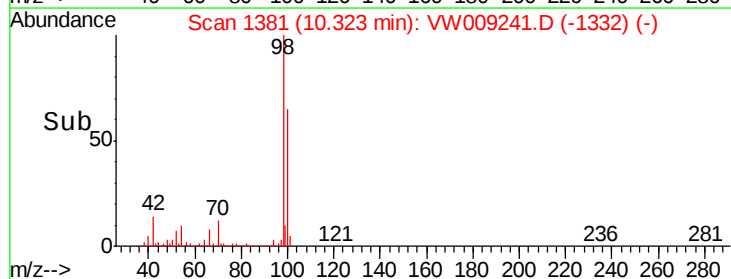
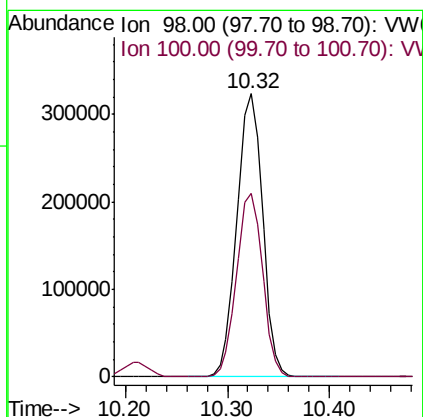
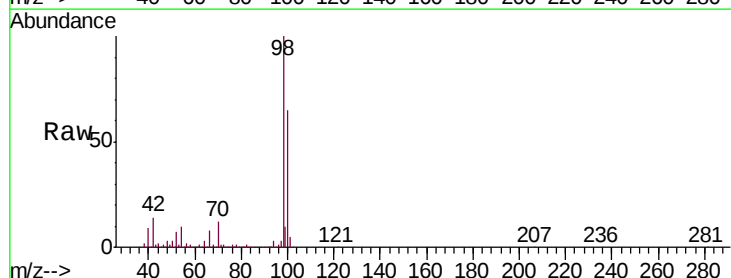
Acq: 19 Mar 2019 15:12

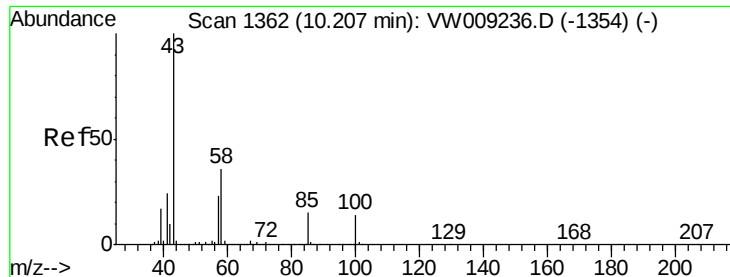
Tgt Ion: 98 Resp: 566047

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 86.699 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

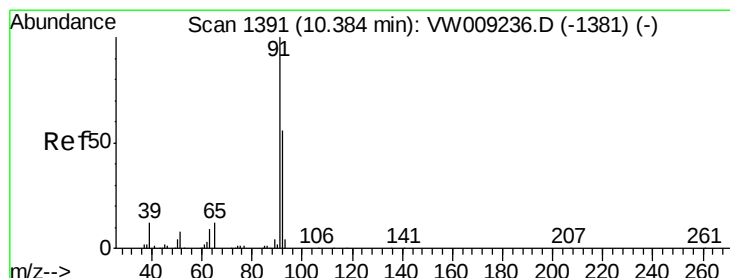
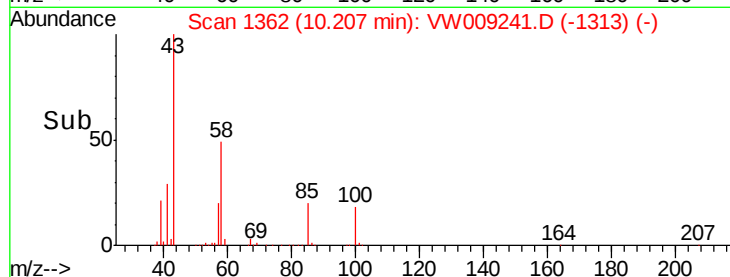
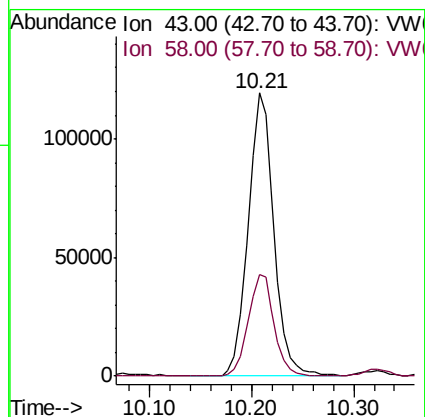
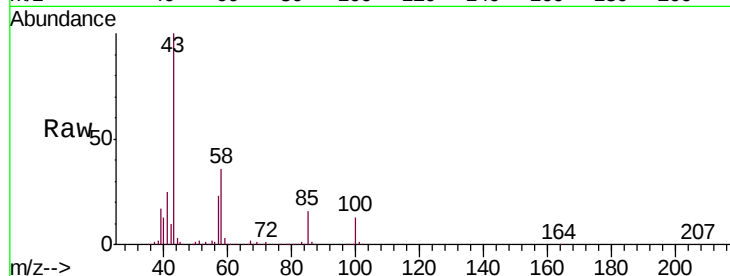
VW0319SBS01

Tgt Ion: 43 Resp: 207890

Ion Ratio Lower Upper

43 100

58 36.3 28.6 42.8



#52

Toluene

Concen: 19.656 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009241.D

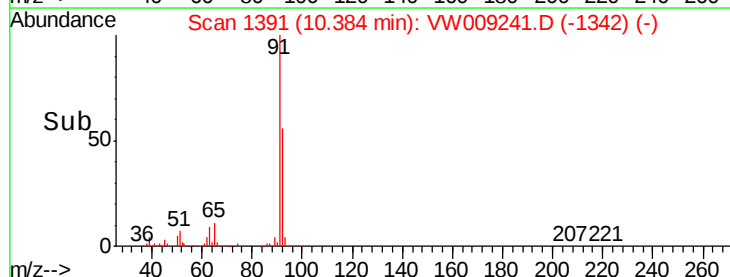
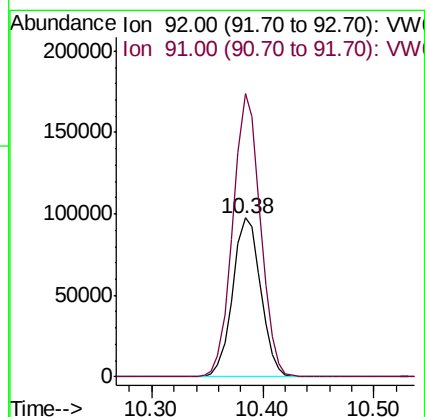
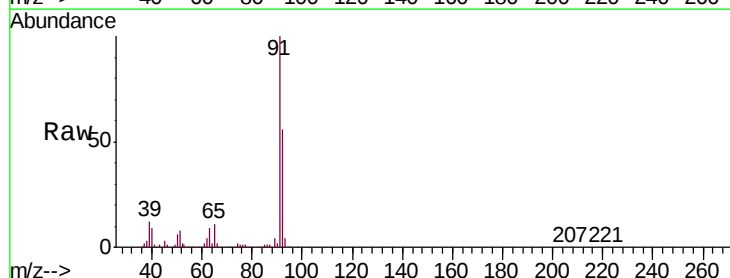
Acq: 19 Mar 2019 15:12

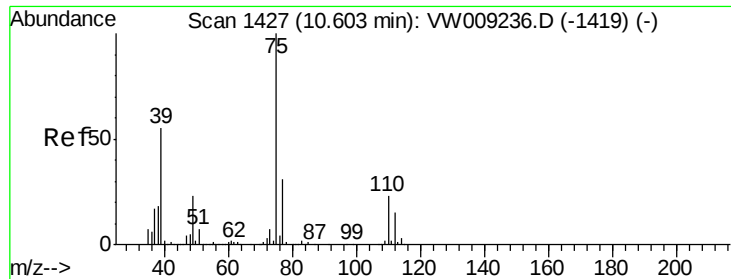
Tgt Ion: 92 Resp: 170061

Ion Ratio Lower Upper

92 100

91 175.4 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 18.627 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

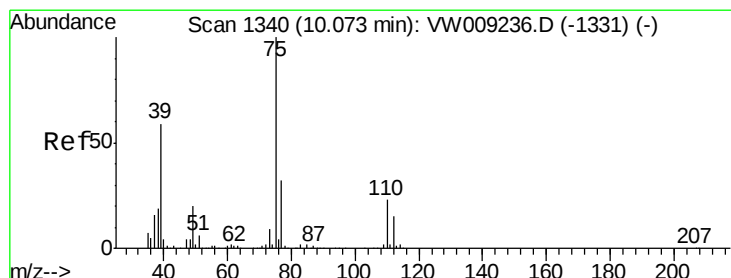
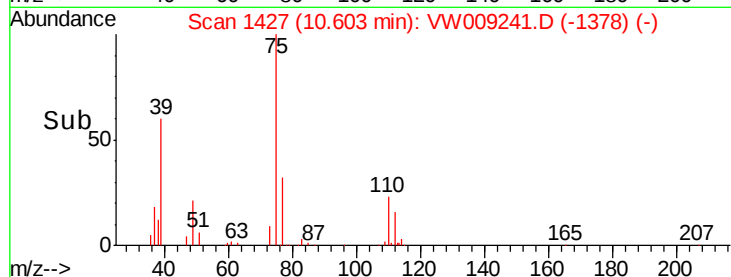
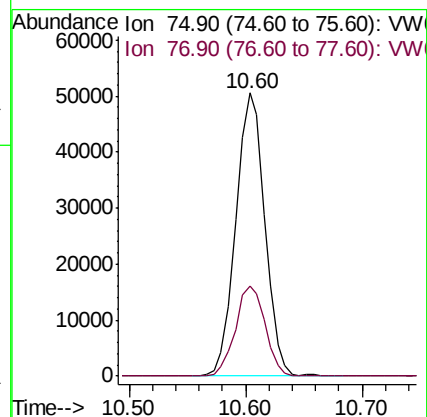
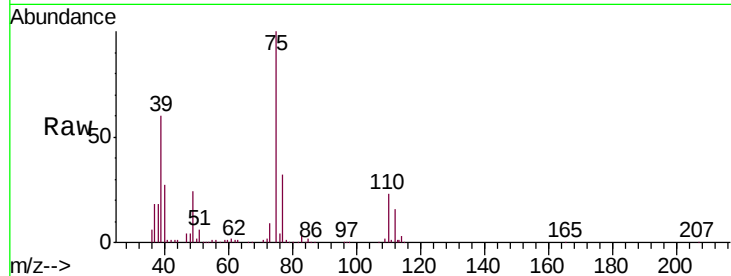
VW0319SBS01

Tgt Ion: 75 Resp: 87618

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.639 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

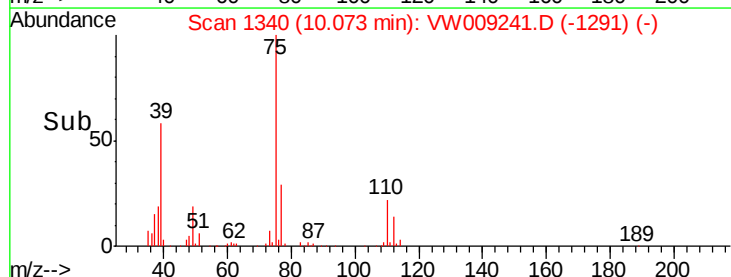
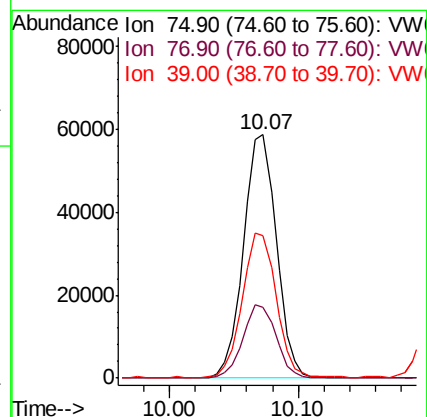
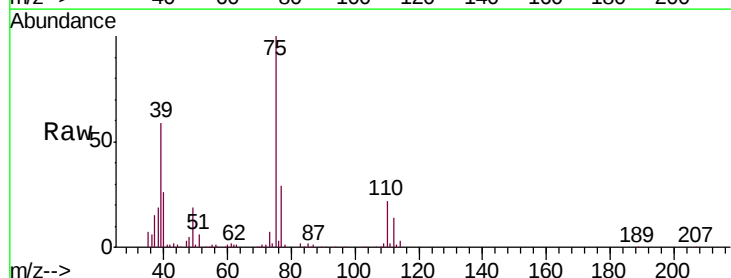
Tgt Ion: 75 Resp: 103927

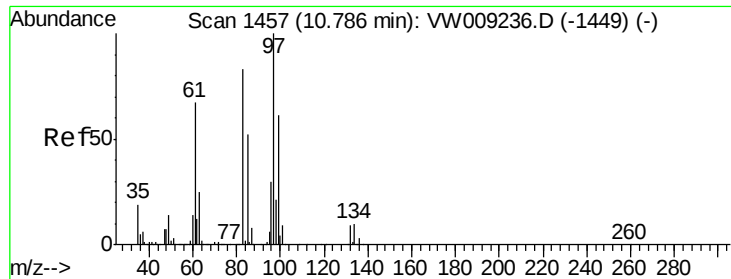
Ion Ratio Lower Upper

75 100

77 29.3 25.9 38.9

39 58.6 46.8 70.2

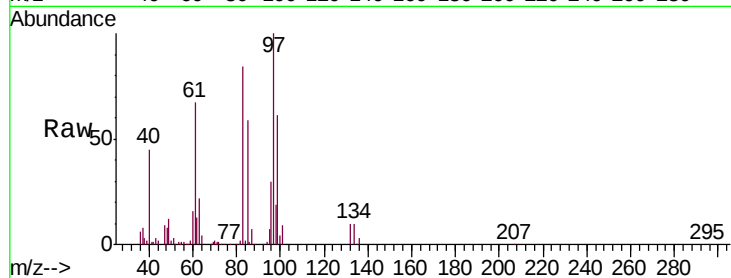




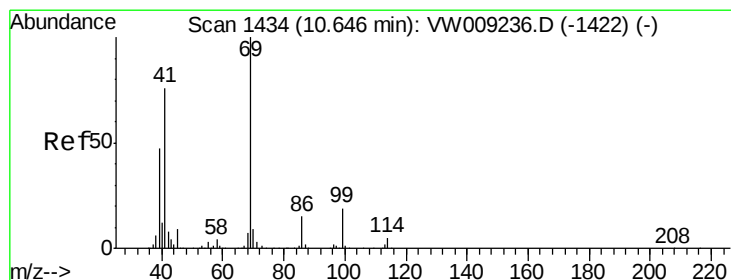
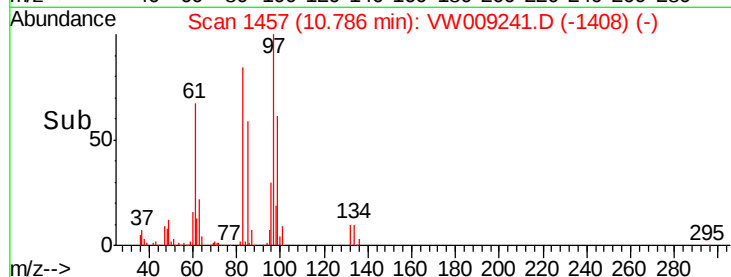
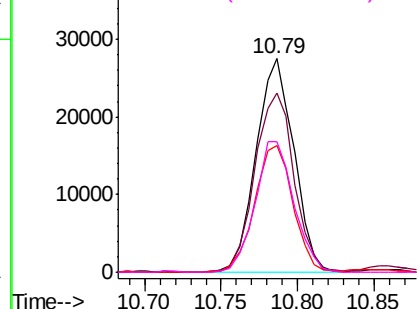
#55
 1,1,2-Trichloroethane
 Concen: 18.297 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

Tgt Ion:	97	Resp:	47291
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.3	99.5
85	59.1	41.4	62.2
99	61.1	48.7	73.1

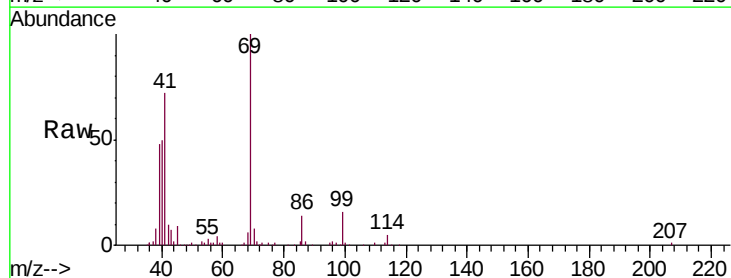


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

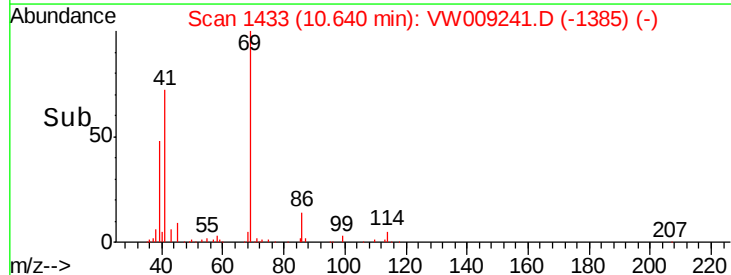
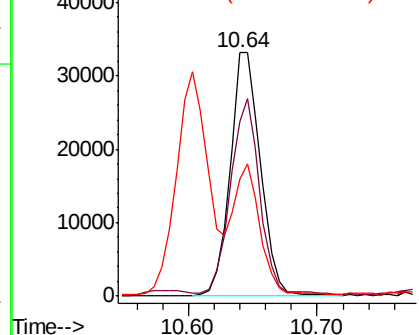


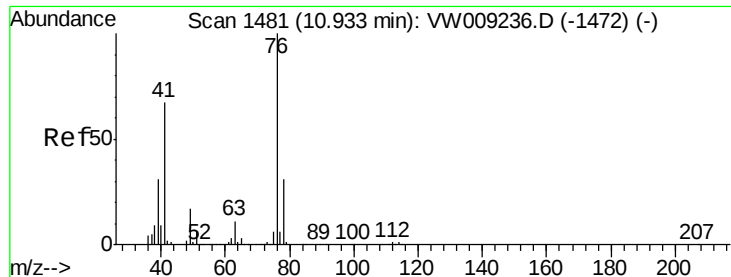
#56
 Ethyl methacrylate
 Concen: 17.824 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion:	69	Resp:	54856
Ion	Ratio	Lower	Upper
69	100		
41	78.4	59.3	88.9
39	46.4	36.2	54.2



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

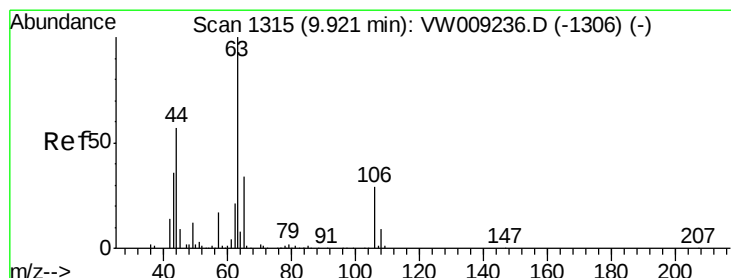
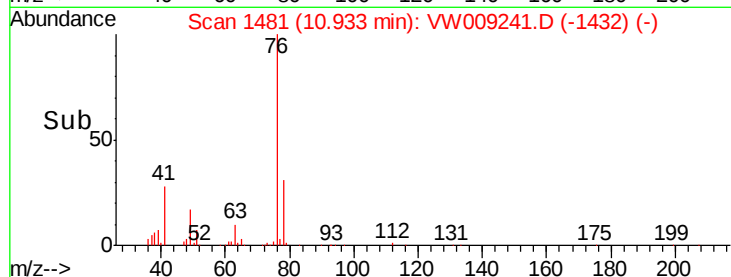
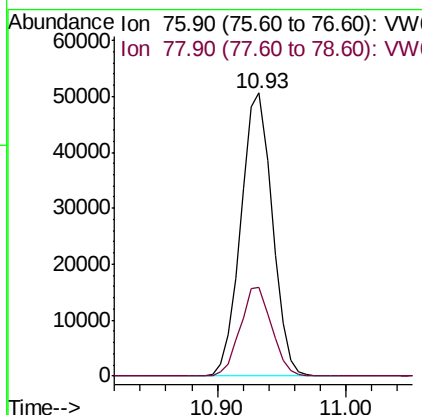
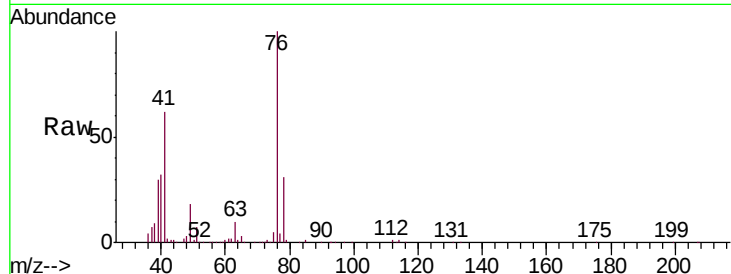




#57
 1,3-Dichloropropane
 Concen: 19.194 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

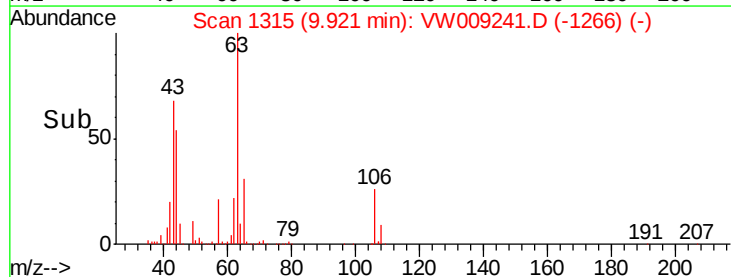
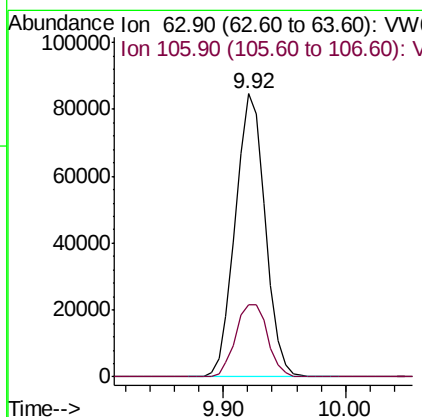
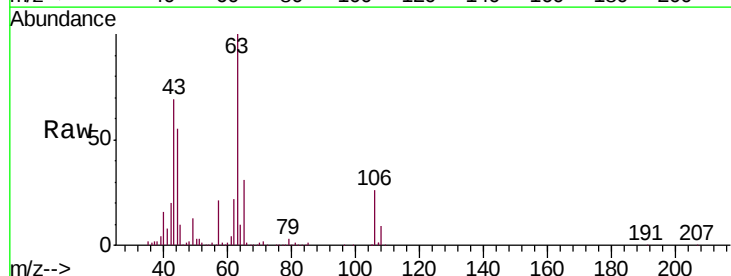
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

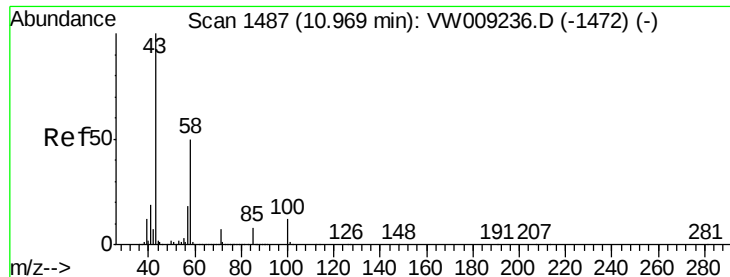
Tgt Ion: 76 Resp: 85567
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 158.818 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion: 63 Resp: 143020
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.9 34.3

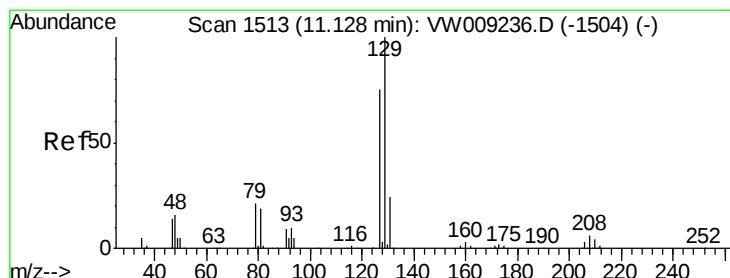
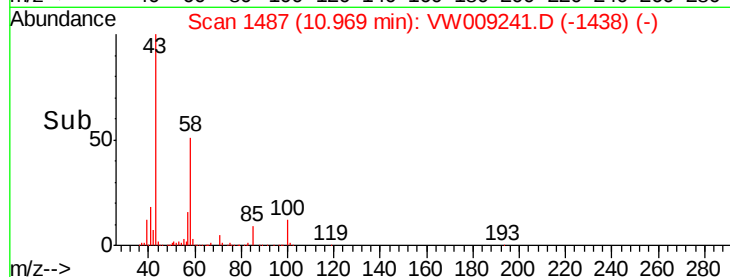
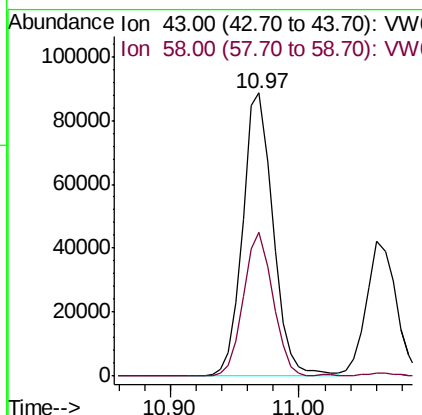
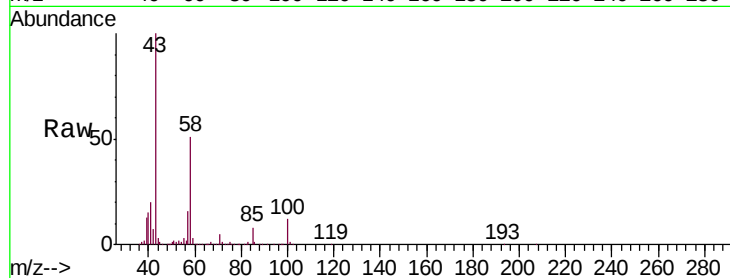




#59
2-Hexanone
Concen: 88.395 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

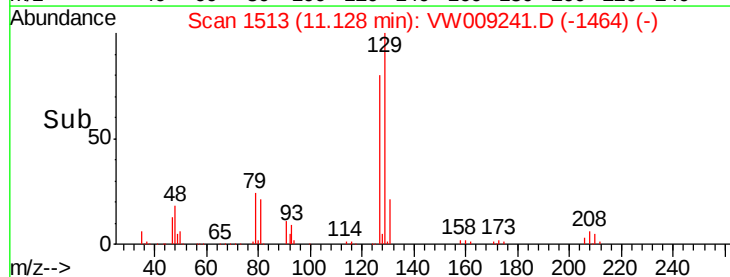
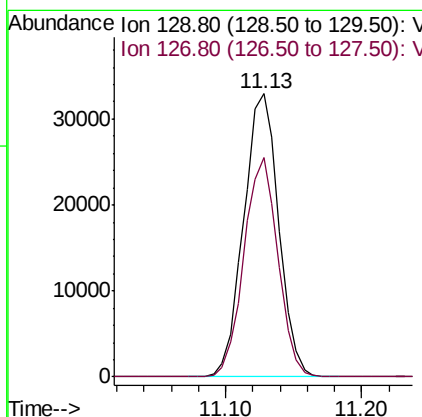
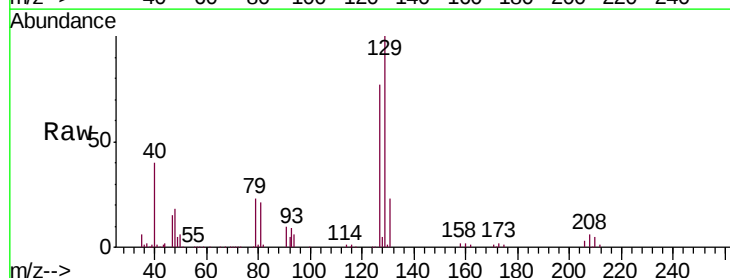
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

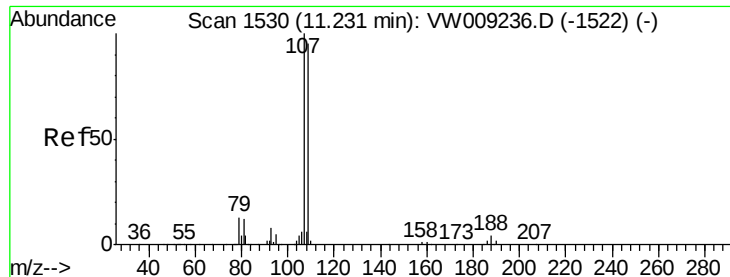
Tgt Ion: 43 Resp: 143897
Ion Ratio Lower Upper
43 100
58 49.4 24.2 72.6



#60
Dibromochloromethane
Concen: 18.621 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Tgt Ion: 129 Resp: 59464
Ion Ratio Lower Upper
129 100
127 74.9 38.1 114.5

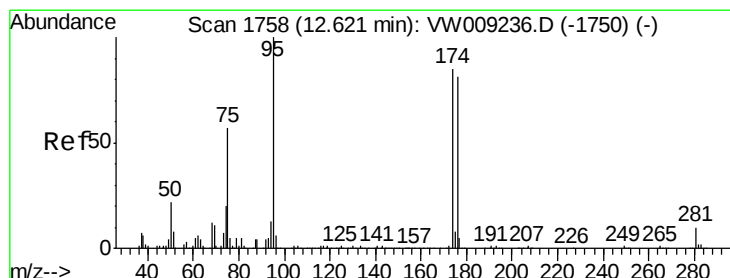
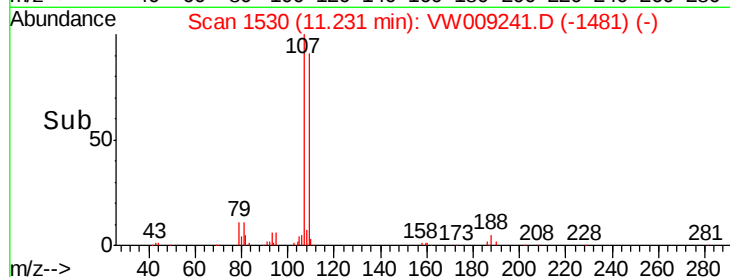
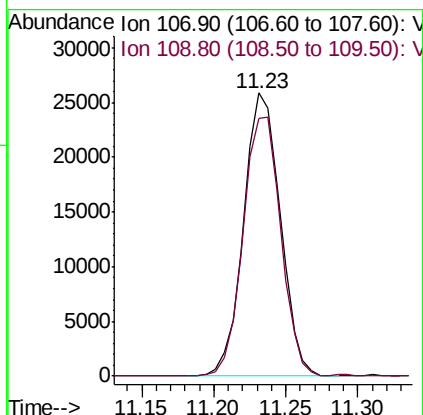
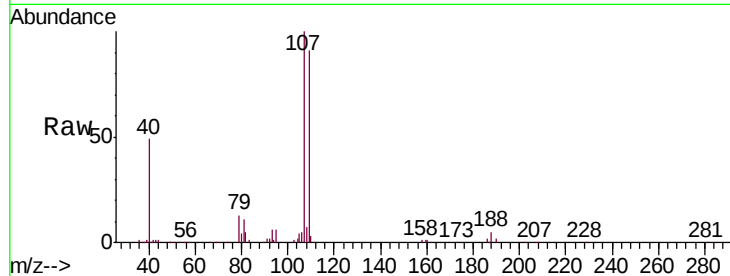




#61
 1,2-Dibromoethane
 Concen: 18.518 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

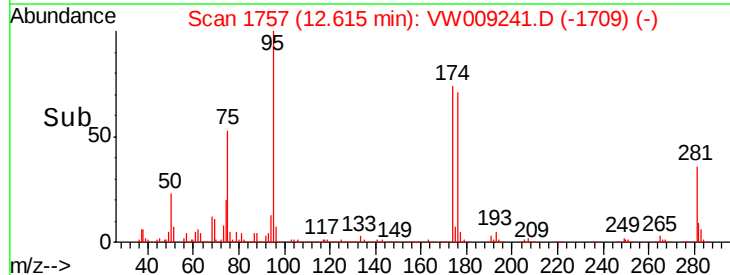
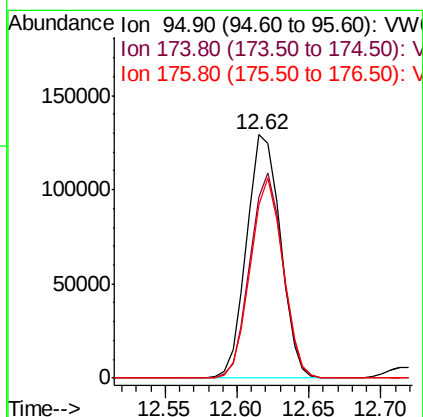
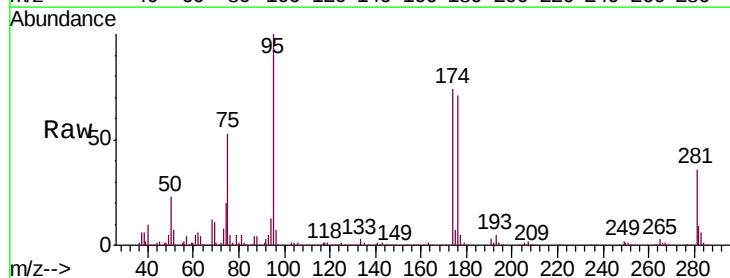
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

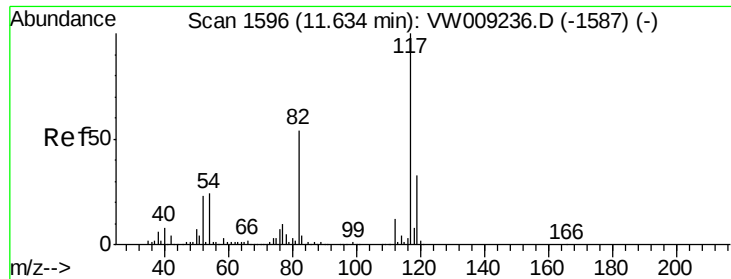
Tgt Ion: 107 Resp: 45587
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 49.116 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion: 95 Resp: 210364
 Ion Ratio Lower Upper
 95 100
 174 81.4 0.0 168.4
 176 79.4 0.0 161.6

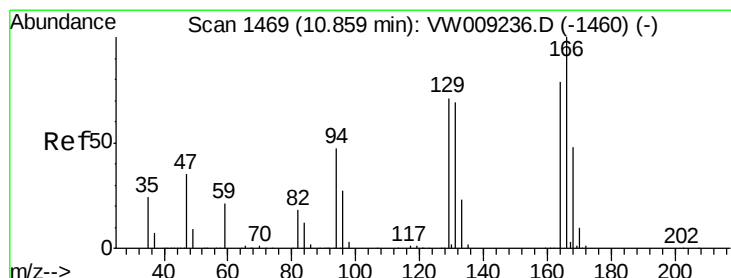
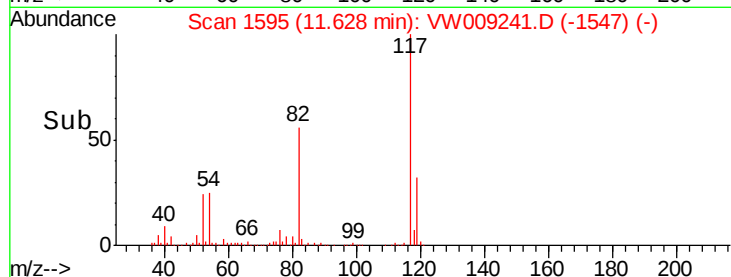
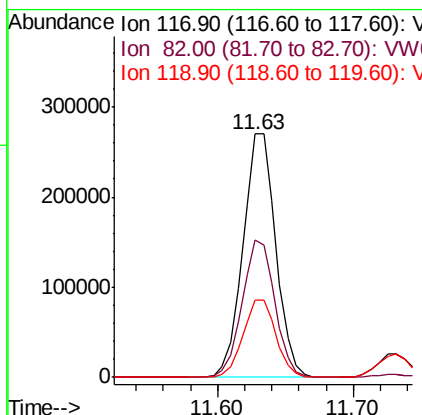
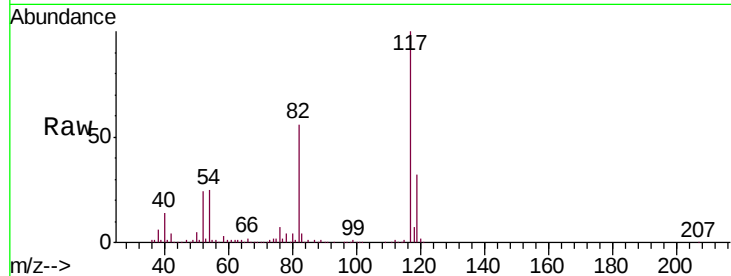




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

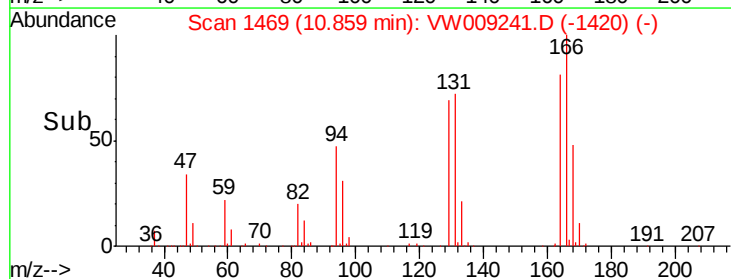
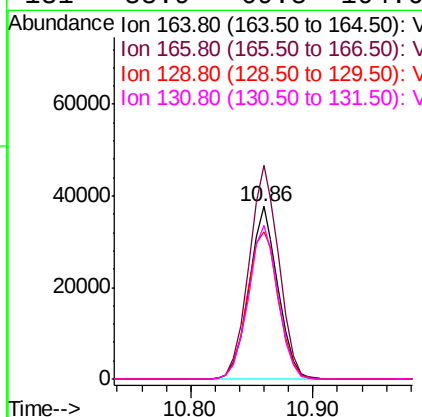
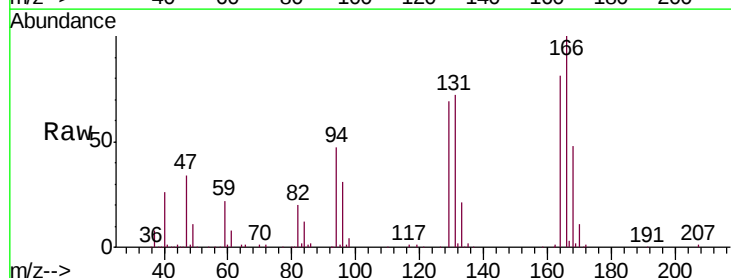
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

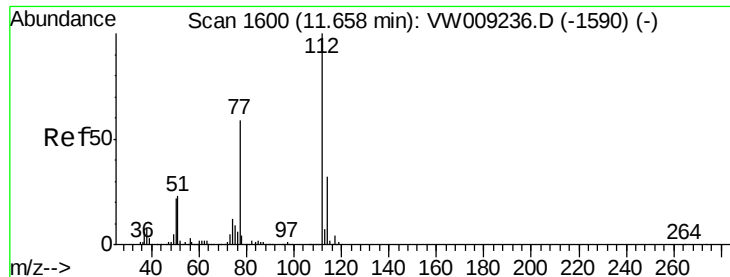
Tgt Ion:117 Resp: 454947
Ion Ratio Lower Upper
117 100
82 56.4 43.6 65.4
119 31.5 26.0 39.0



#64
Tetrachloroethene
Concen: 19.825 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Tgt Ion:164 Resp: 61769
Ion Ratio Lower Upper
164 100
166 123.7 100.9 151.3
129 85.3 72.0 108.0
131 88.9 69.8 104.6





#65

Chlorobenzene

Concen: 20.095 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

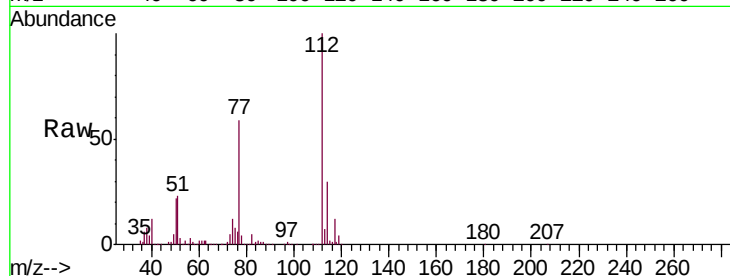
VW0319SBS01

Tgt Ion:112 Resp: 189066

Ion Ratio Lower Upper

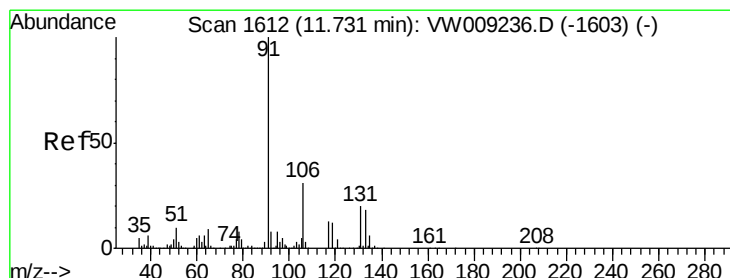
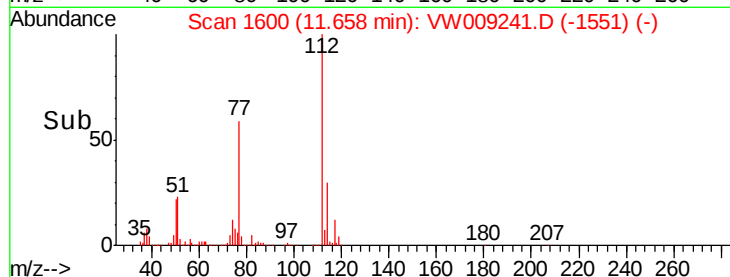
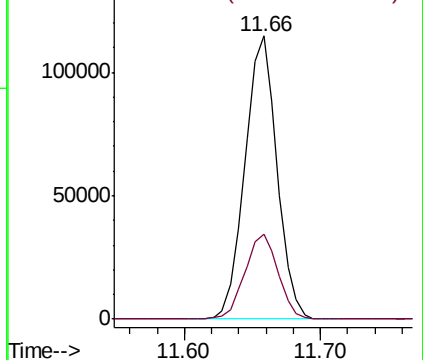
112 100

114 29.9 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: 19.036 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

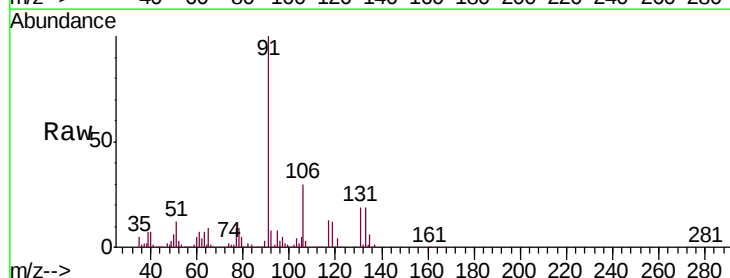
Tgt Ion:131 Resp: 66899

Ion Ratio Lower Upper

131 100

133 95.6 47.3 141.8

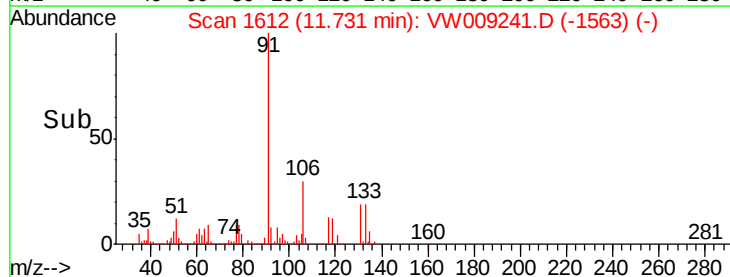
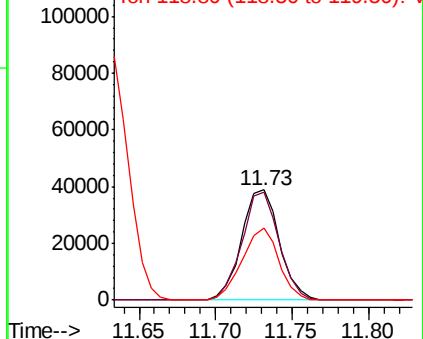
119 63.6 31.6 95.0

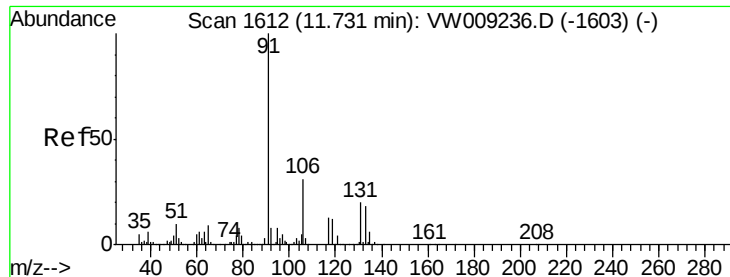


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

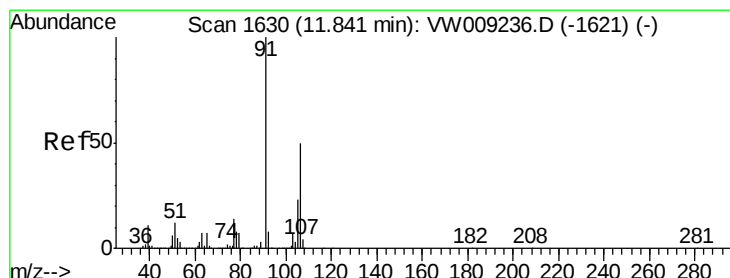
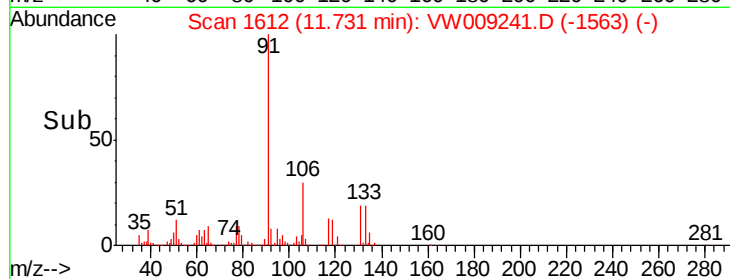
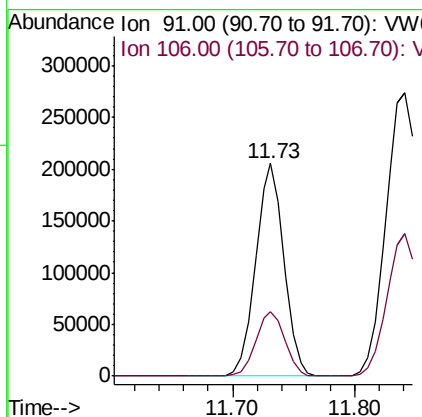
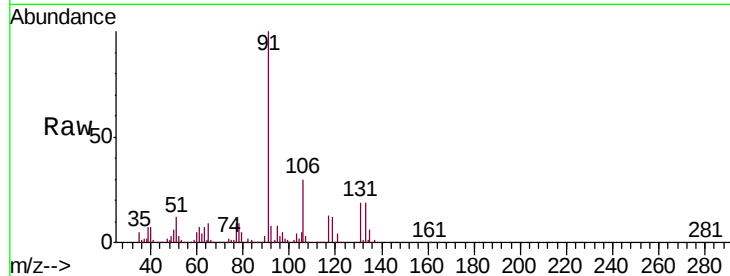




#67
Ethyl Benzene
Concen: 20.219 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

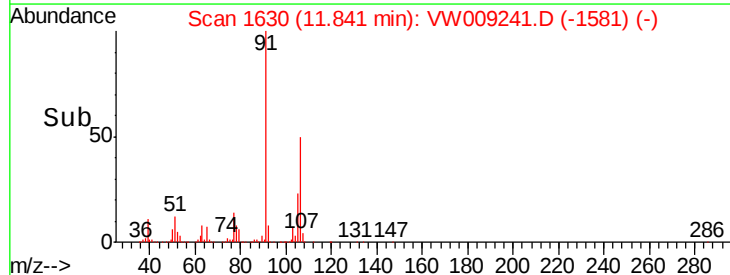
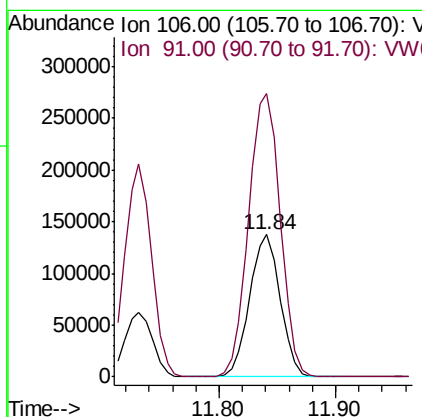
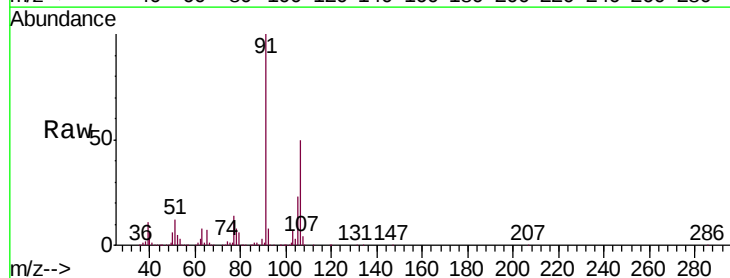
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

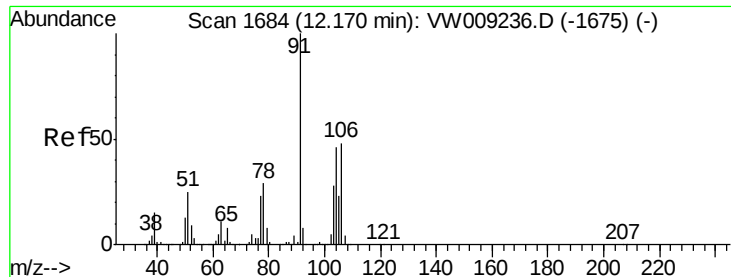
Tgt Ion: 91 Resp: 329505
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#68
m/p-Xylenes
Concen: 39.836 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Tgt Ion: 106 Resp: 251631
Ion Ratio Lower Upper
106 100
91 207.5 163.1 244.7

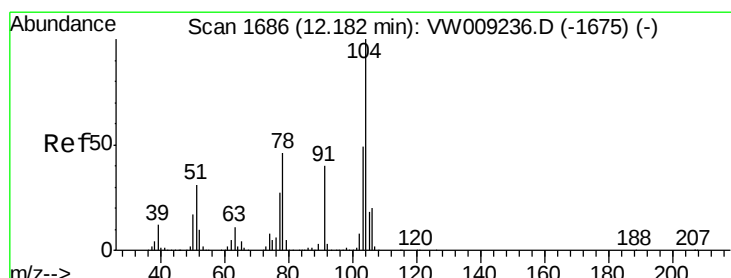
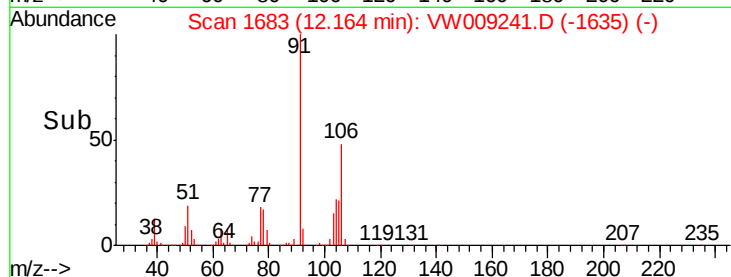
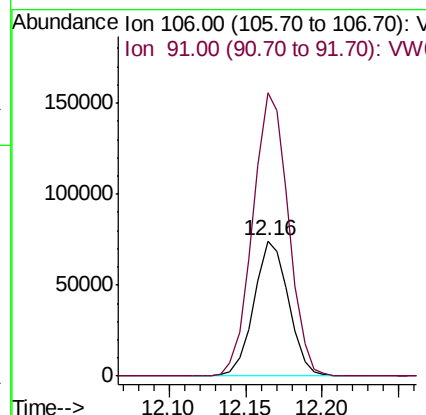
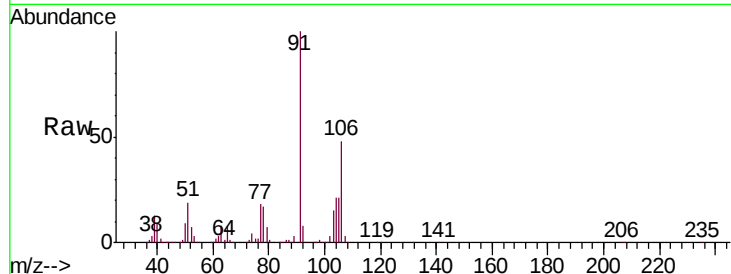




#69
o-Xylene
Concen: 19.990 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

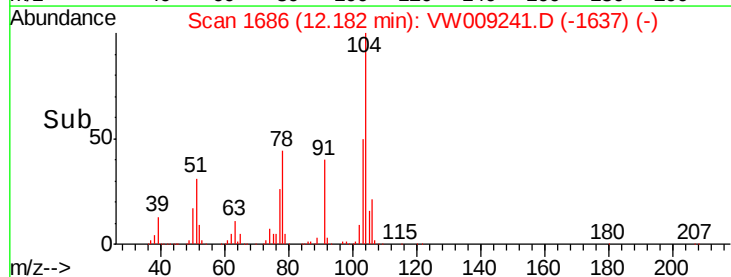
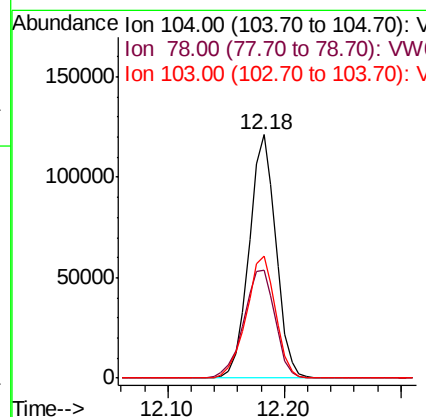
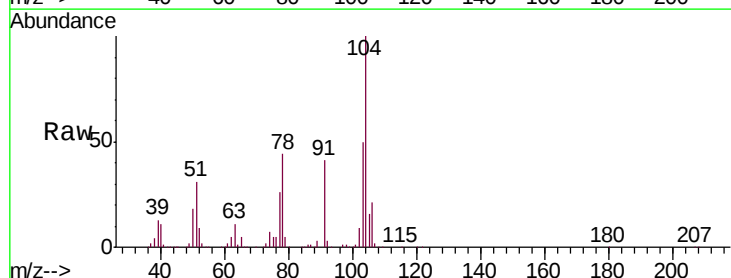
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

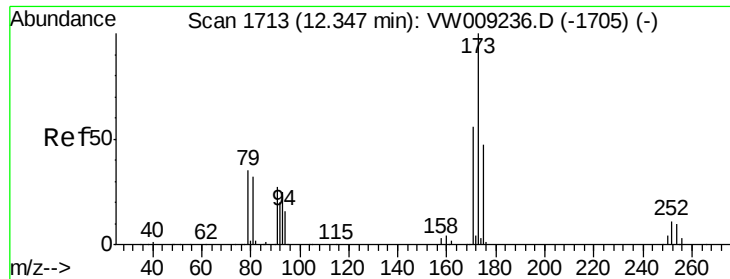
Tgt Ion:106 Resp: 117257
Ion Ratio Lower Upper
106 100
91 215.7 108.6 325.8



#70
Styrene
Concen: 20.147 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Tgt Ion:104 Resp: 194842
Ion Ratio Lower Upper
104 100
78 51.8 42.2 63.4
103 54.5 44.6 66.8

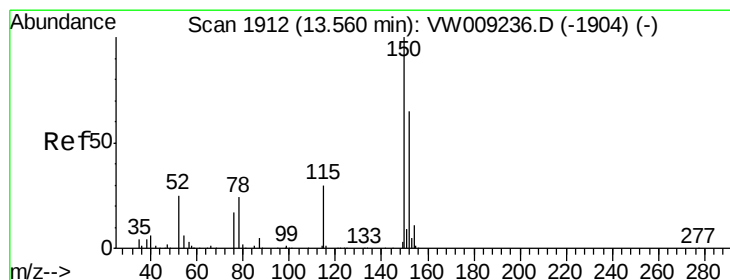
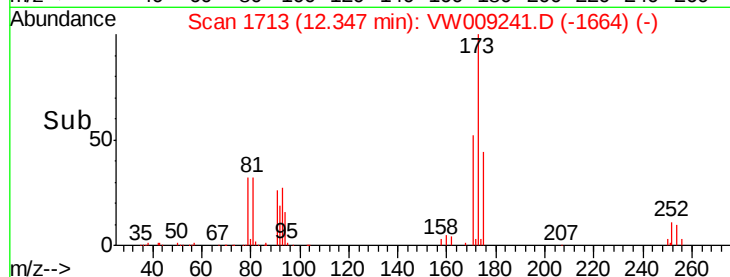
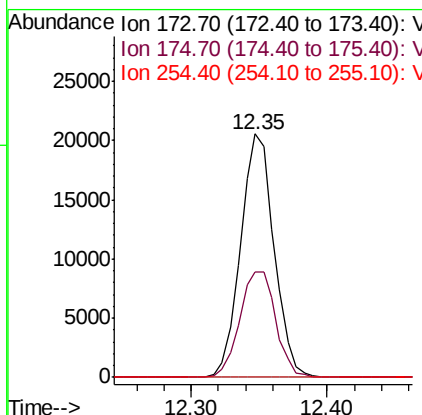
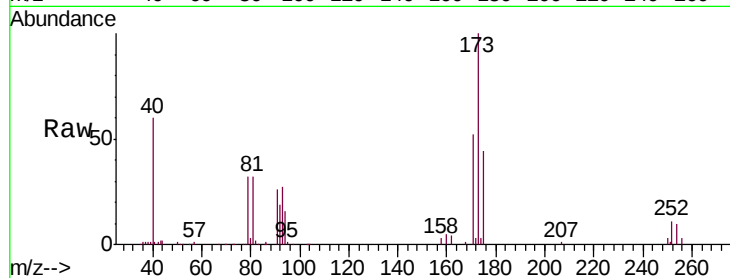




#71
Bromoform
Concen: 18.366 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

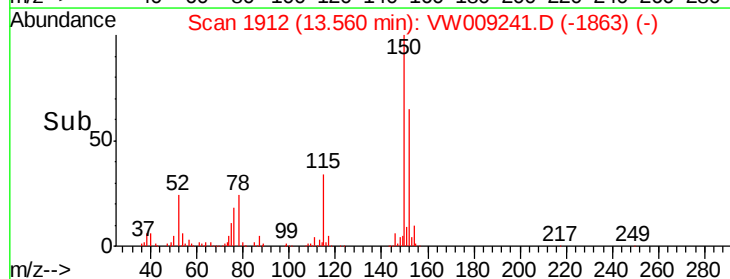
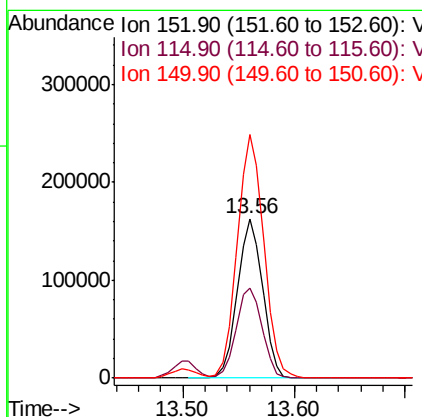
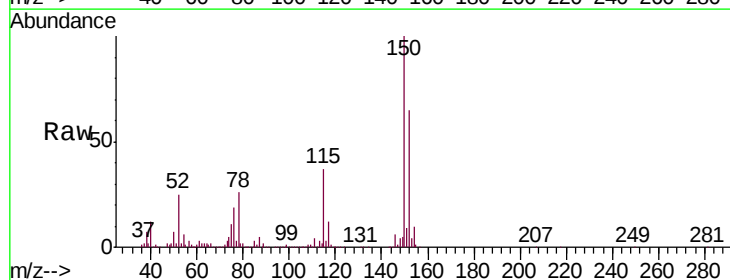
Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

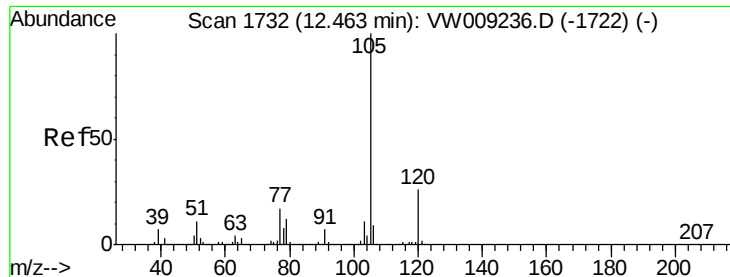
Tgt Ion:173 Resp: 35255
Ion Ratio Lower Upper
173 100
175 46.6 24.1 72.4
254 0.1 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Tgt Ion:152 Resp: 253971
Ion Ratio Lower Upper
152 100
115 58.2 29.6 88.8
150 161.8 0.0 349.2





#73

Isopropylbenzene

Concen: 19.826 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

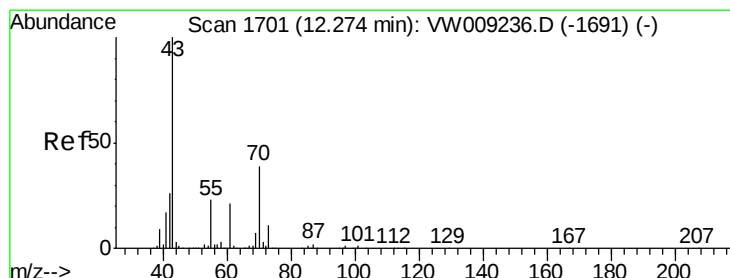
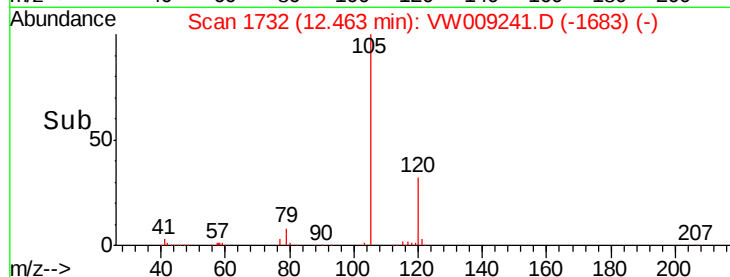
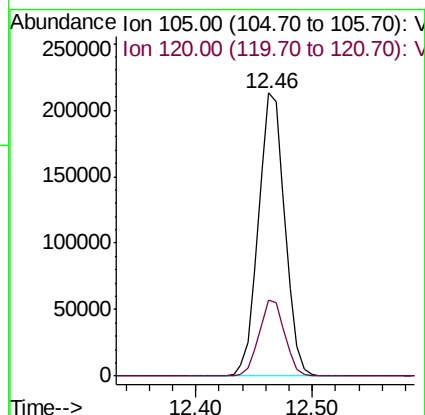
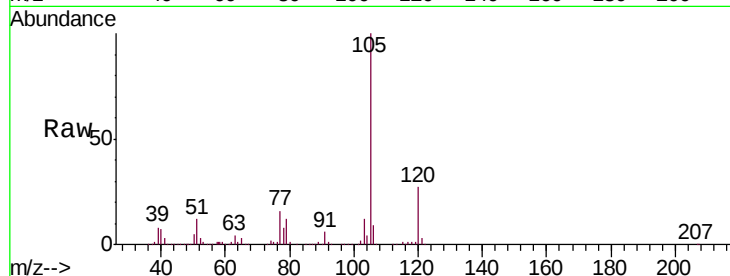
VW0319SBS01

Tgt Ion:105 Resp: 336555

Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0



#74

N-ethyl acetate

Concen: 17.385 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Tgt Ion: 43 Resp: 76982

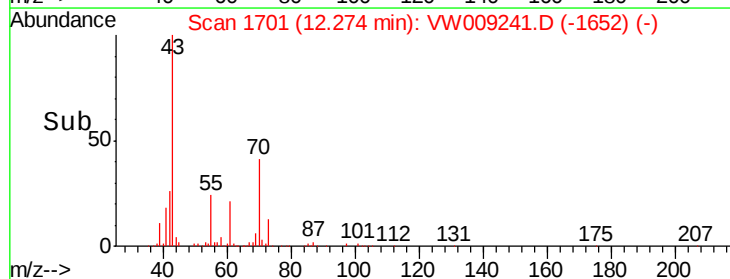
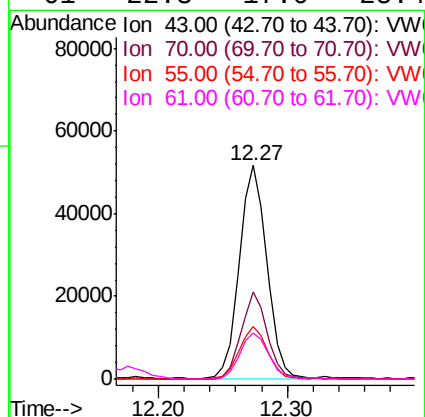
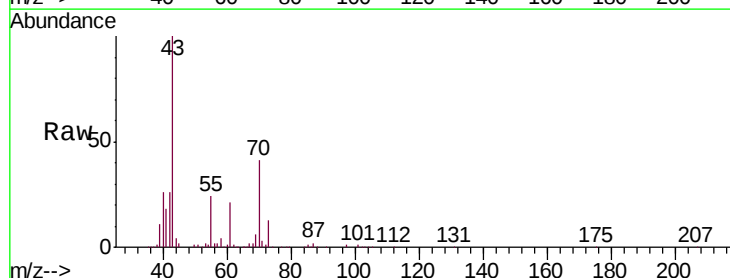
Ion Ratio Lower Upper

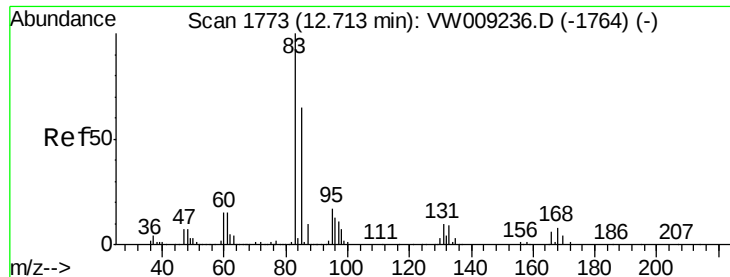
43 100

70 38.5 30.6 46.0

55 25.5 19.3 28.9

61 22.3 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 17.486 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

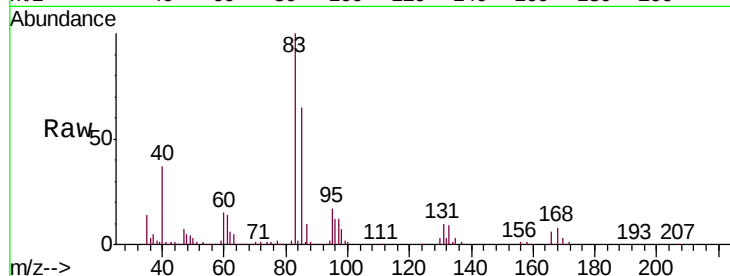
Tgt Ion: 83 Resp: 55524

Ion Ratio Lower Upper

83 100

131 11.1 5.3 16.1

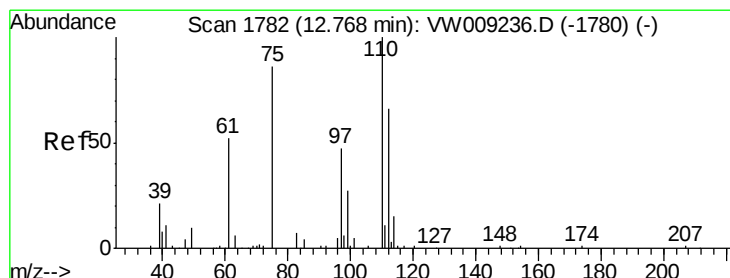
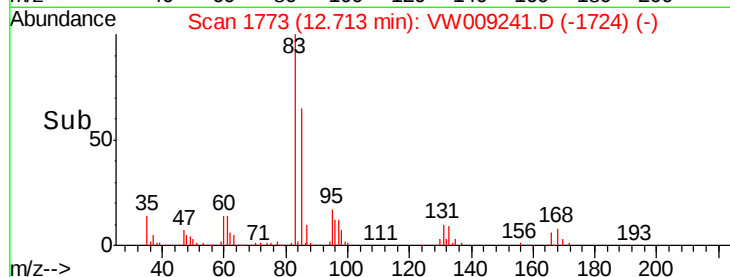
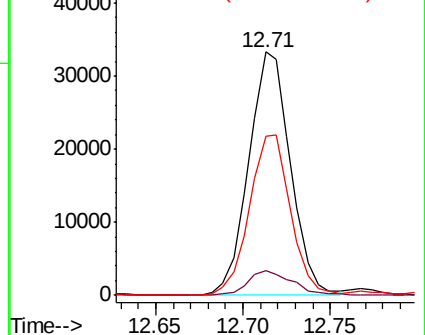
85 65.1 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 31.964 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009241.D

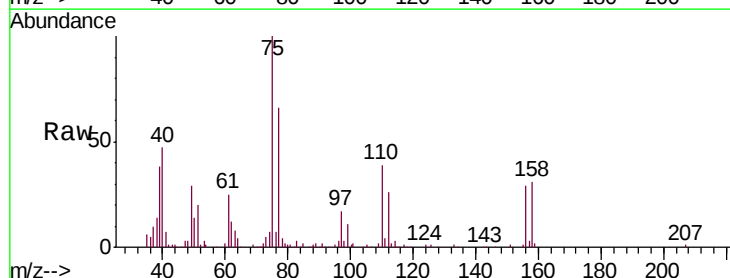
Acq: 19 Mar 2019 15:12

Tgt Ion: 75 Resp: 76287

Ion Ratio Lower Upper

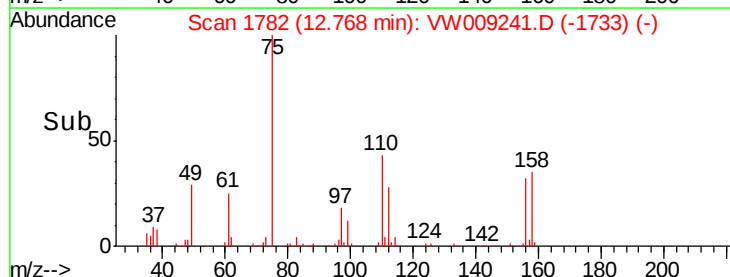
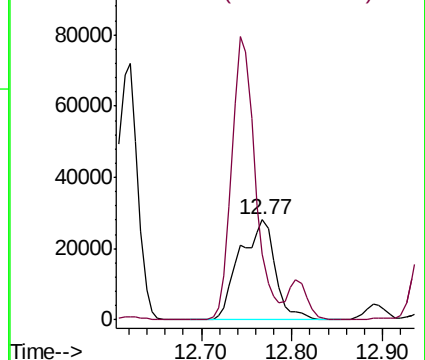
75 100

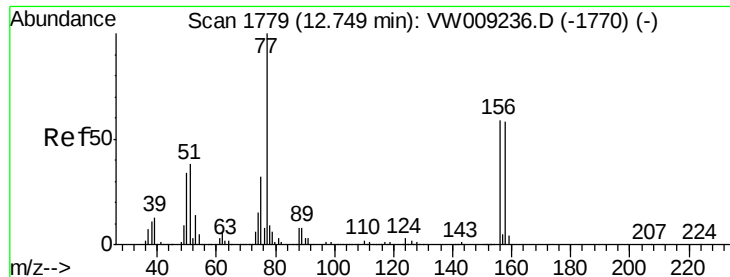
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.966 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampled :

VW0319SBS01

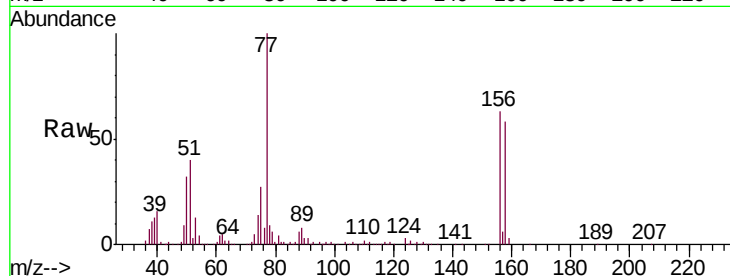
Tgt Ion:156 Resp: 76262

Ion Ratio Lower Upper

156 100

77 188.4 96.0 288.0

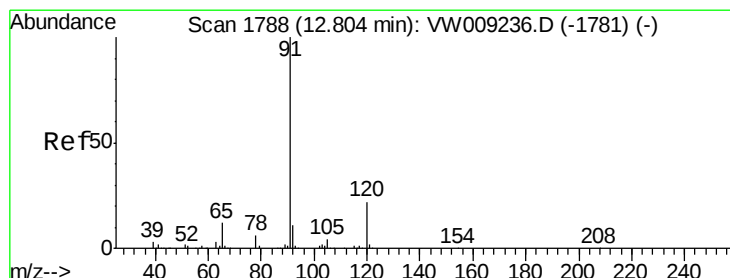
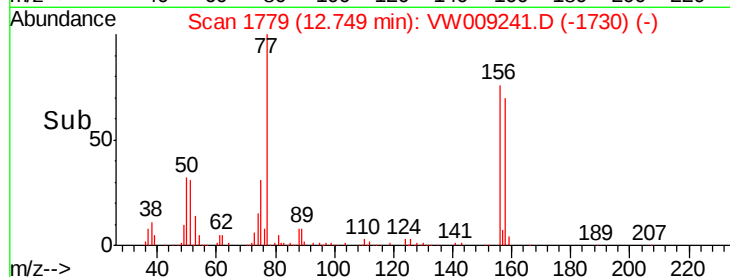
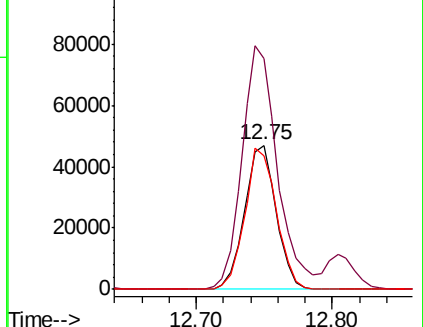
158 98.2 49.1 147.3



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: 19.863 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009241.D

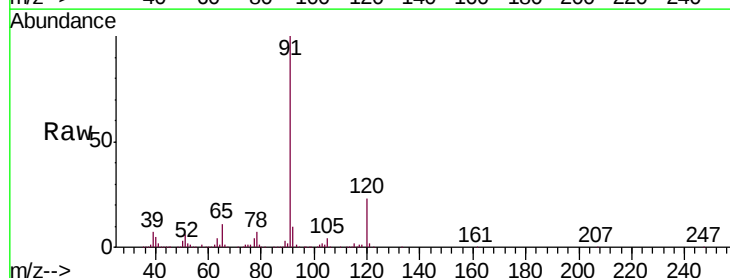
Acq: 19 Mar 2019 15:12

Tgt Ion: 91 Resp: 414107

Ion Ratio Lower Upper

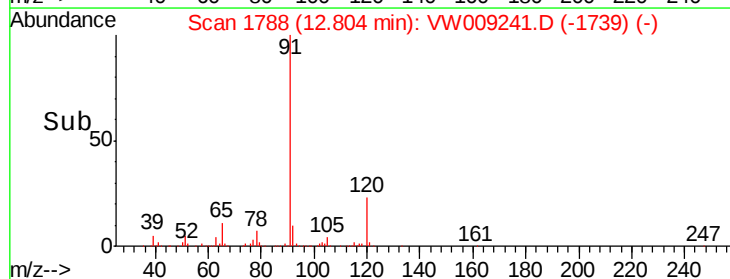
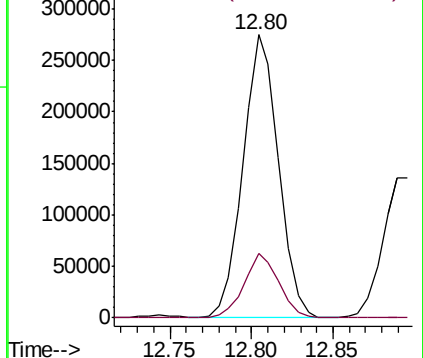
91 100

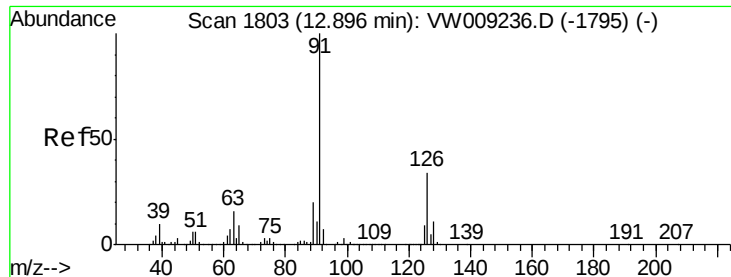
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.447 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

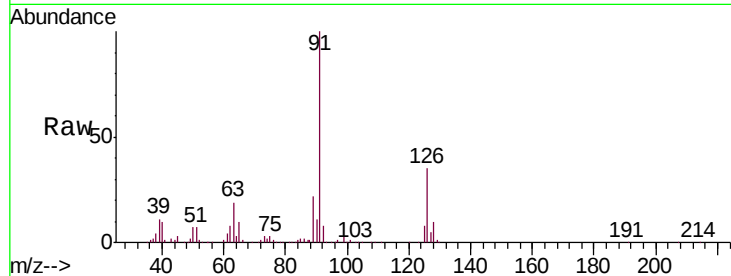
VW0319SBS01

Tgt Ion: 91 Resp: 230321

Ion Ratio Lower Upper

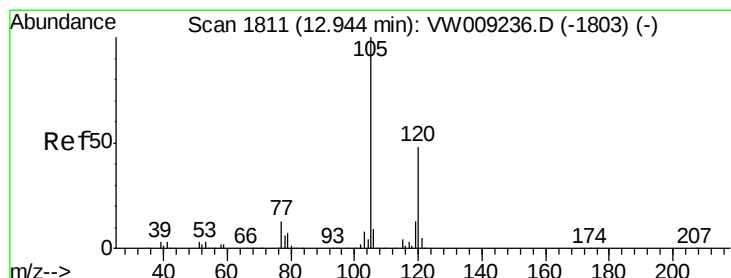
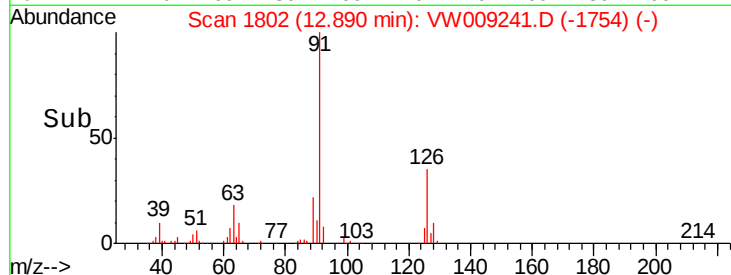
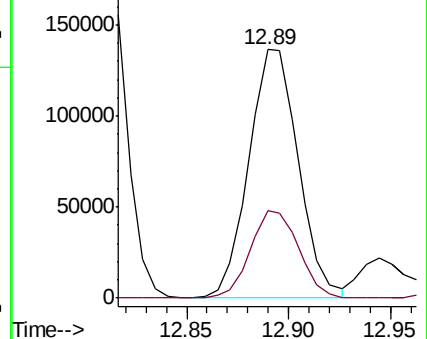
91 100

126 34.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.021 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009241.D

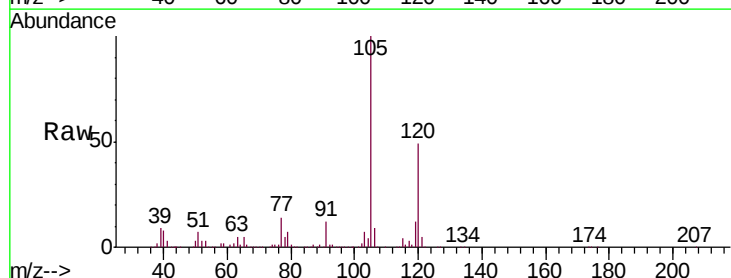
Acq: 19 Mar 2019 15:12

Tgt Ion: 105 Resp: 289018

Ion Ratio Lower Upper

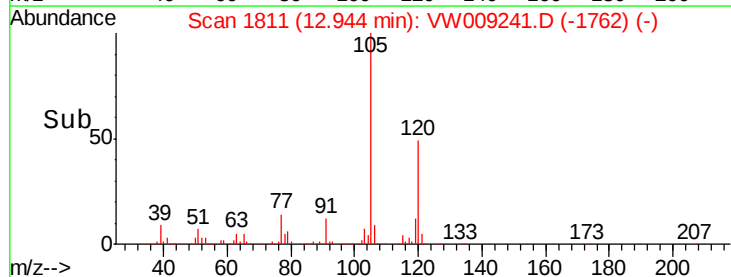
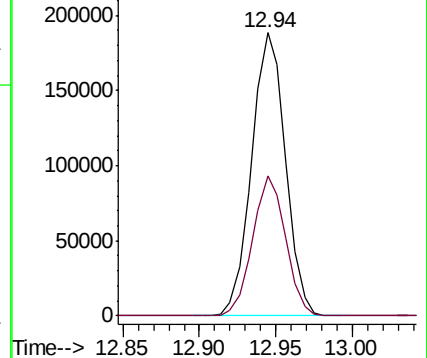
105 100

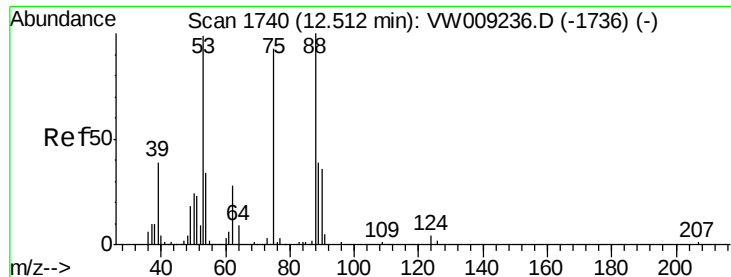
120 48.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.938 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

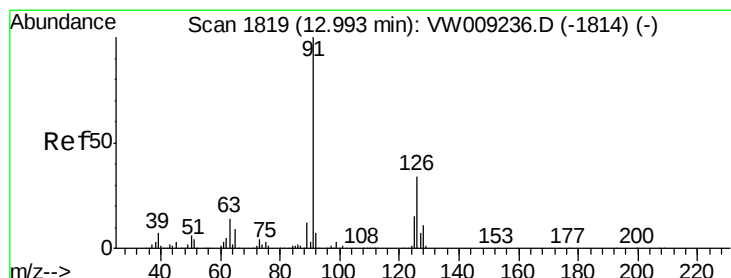
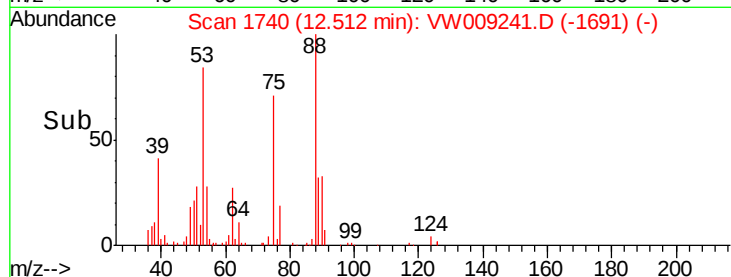
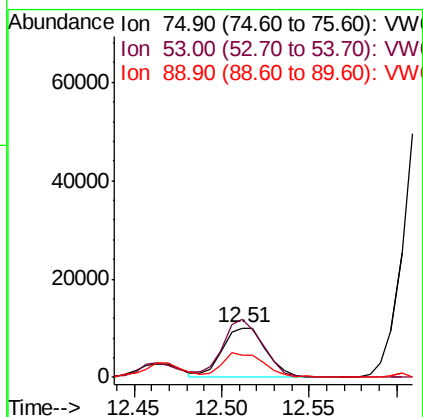
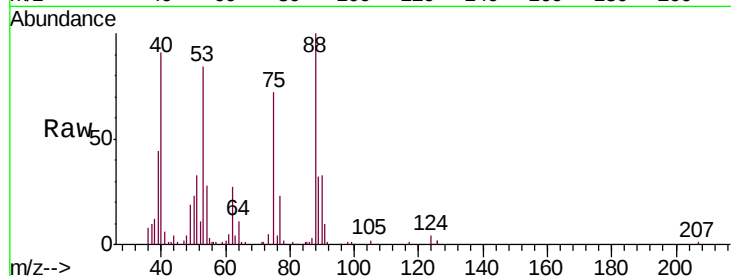
Tgt Ion: 75 Resp: 17448

Ion Ratio Lower Upper

75 100

53 108.9 86.7 130.1

89 47.8 36.4 54.6



#82

4-Chlorotoluene

Concen: 19.321 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW009241.D

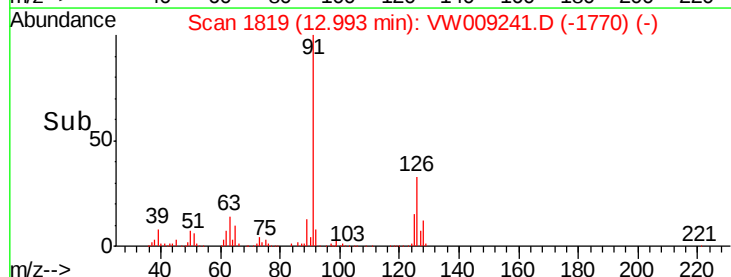
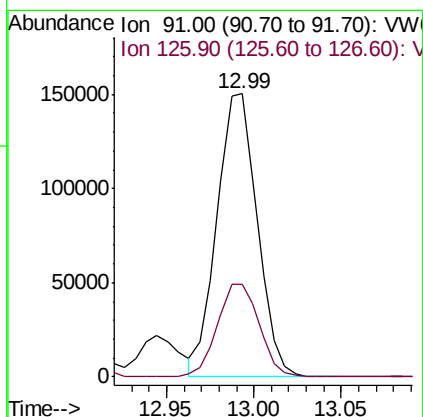
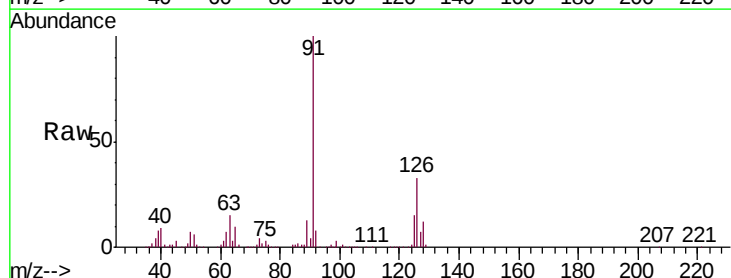
Acq: 19 Mar 2019 15:12

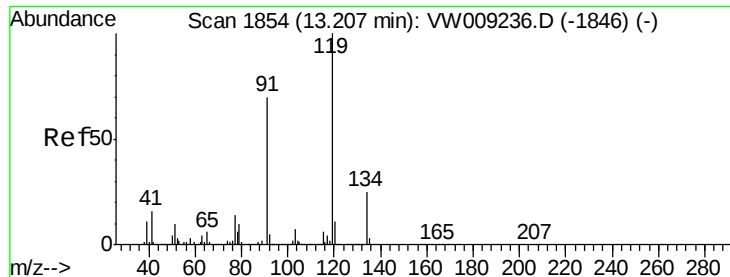
Tgt Ion: 91 Resp: 241070

Ion Ratio Lower Upper

91 100

126 34.2 16.9 50.6

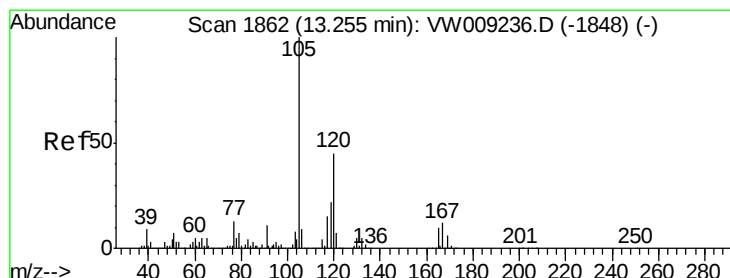
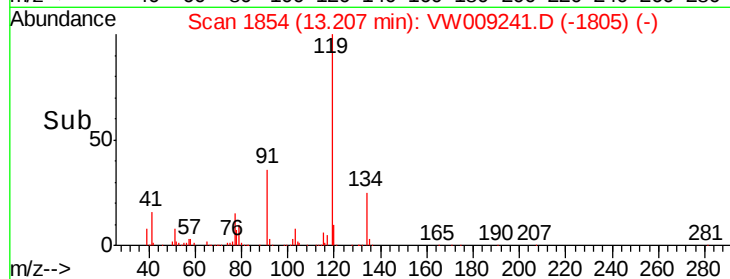
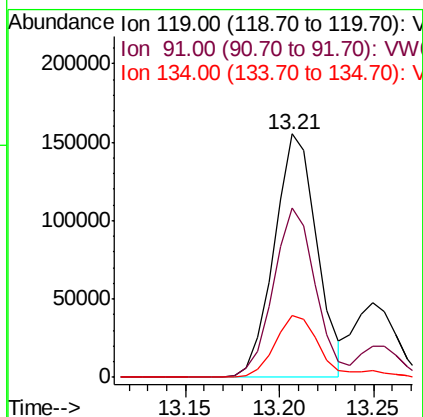
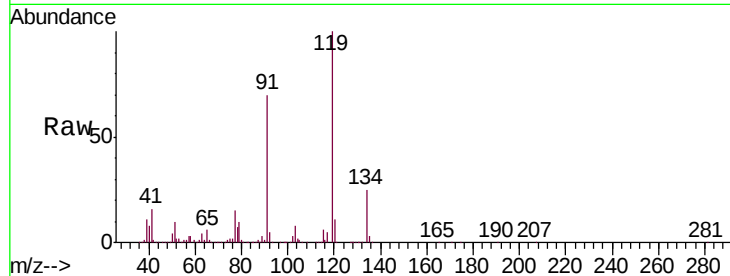




#83
 tert-Butylbenzene
 Concen: 19.788 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

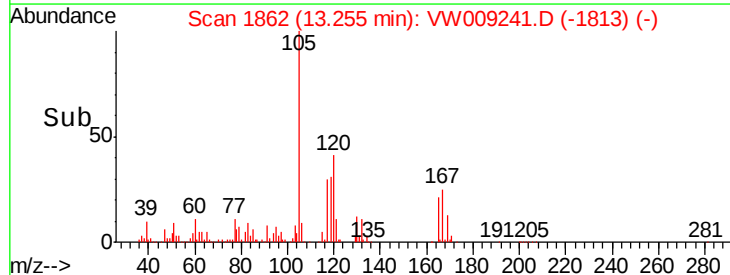
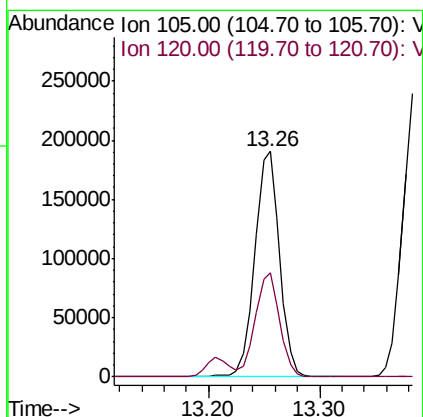
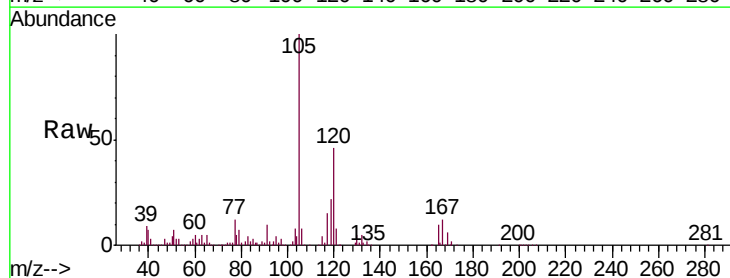
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

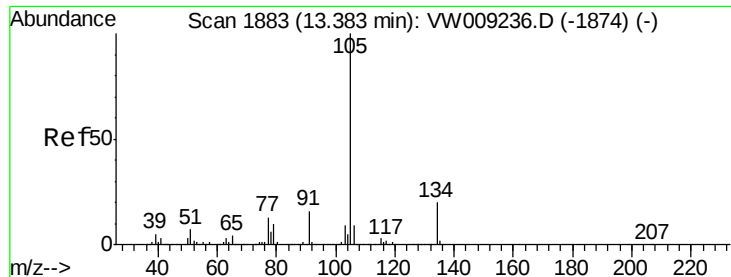
Tgt Ion:119 Resp: 244110
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.4 103.2
 134 25.5 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.851 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion:105 Resp: 293791
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.8 68.3

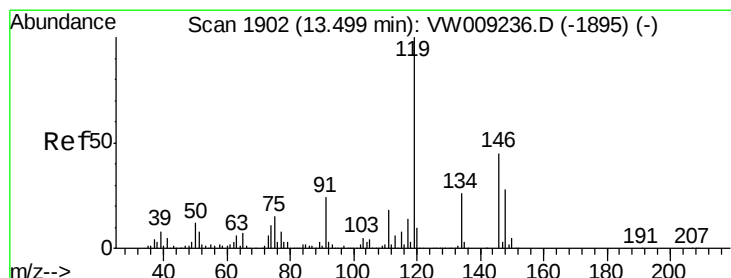
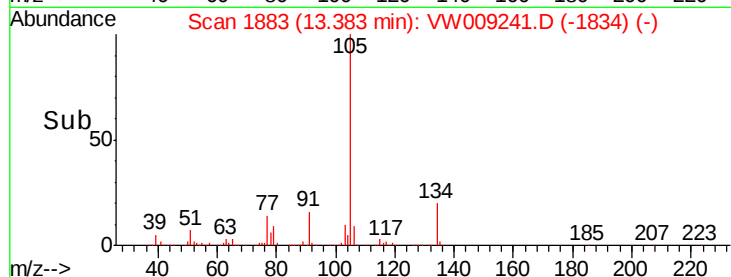
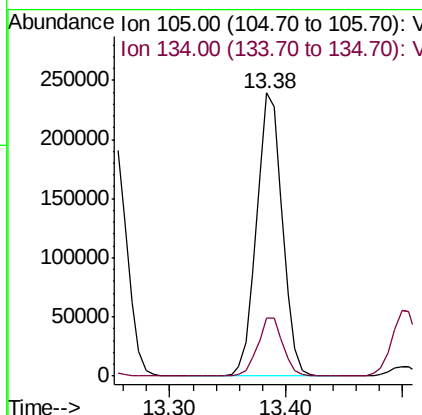
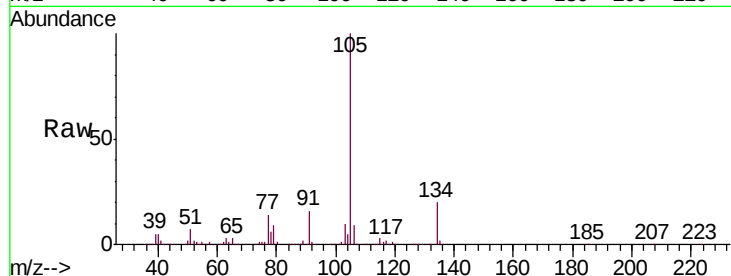




#85
 sec-Butylbenzene
 Concen: 20.306 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

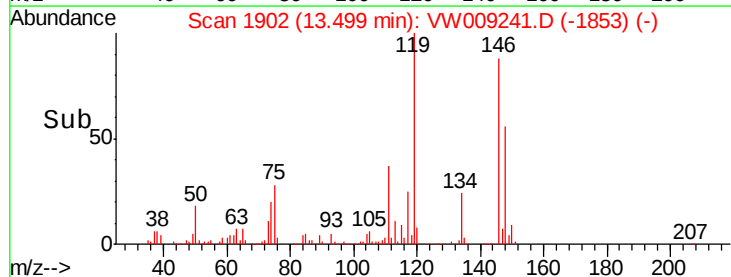
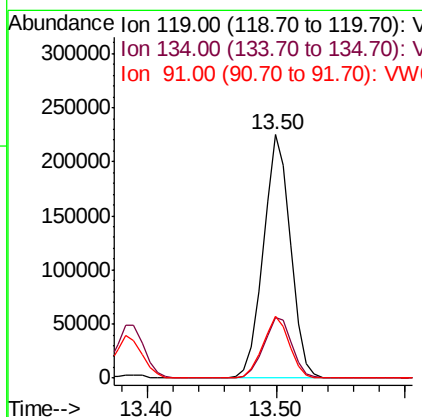
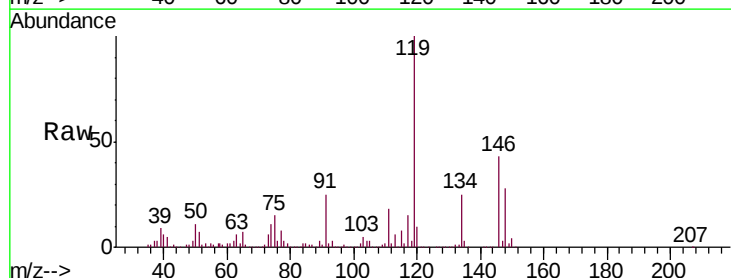
Instrument :
 MSVOA_W
 ClientSampled :
 VW0319SBS01

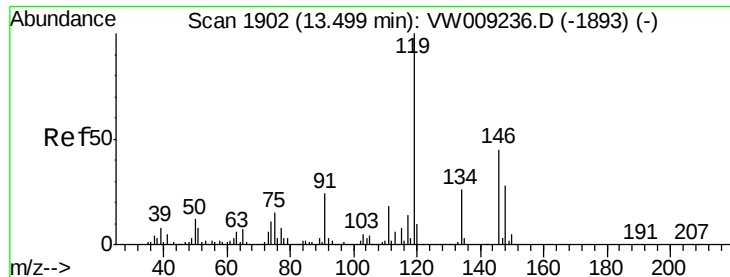
Tgt Ion:105 Resp: 370167
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 20.151 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion:119 Resp: 327115
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.1 39.3
 91 24.7 12.3 36.8

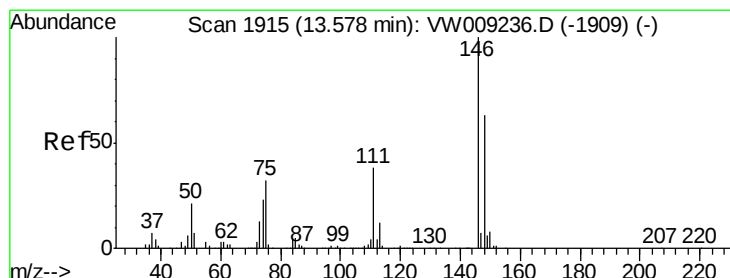
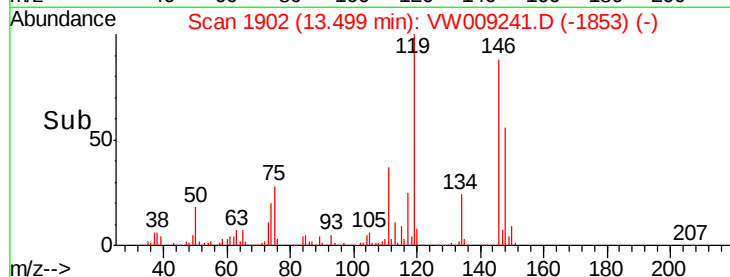
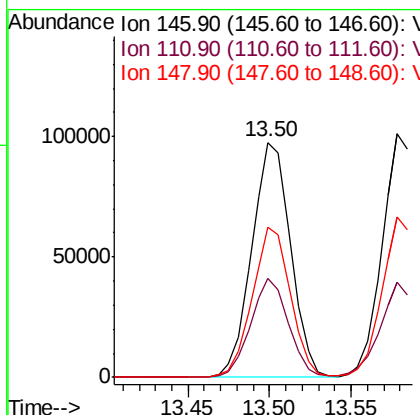
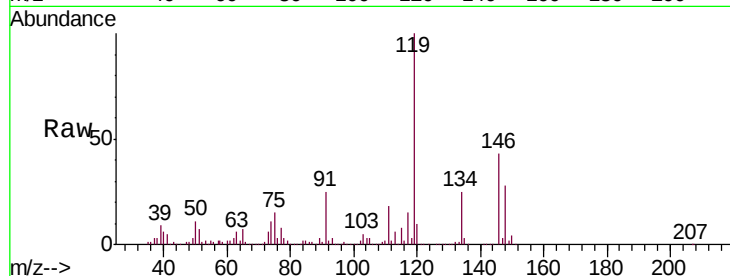




#87
 1,3-Dichlorobenzene
 Concen: 19.311 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

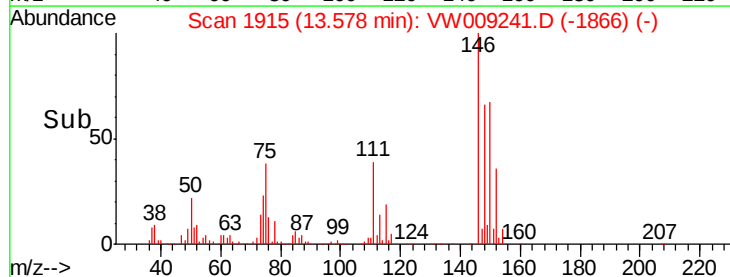
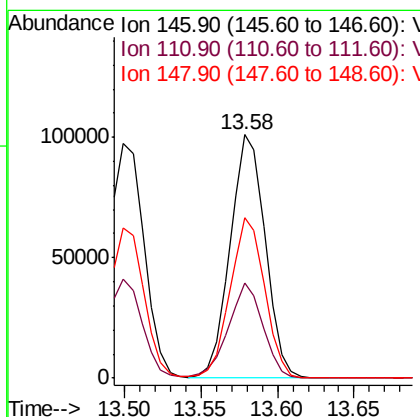
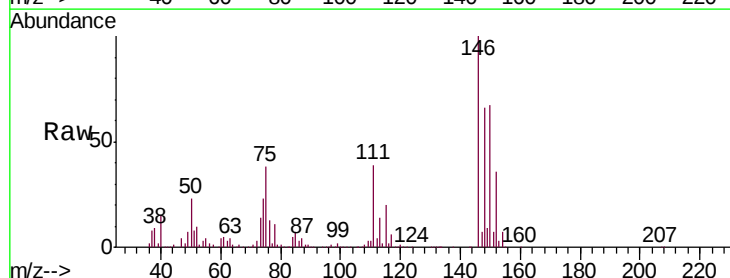
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

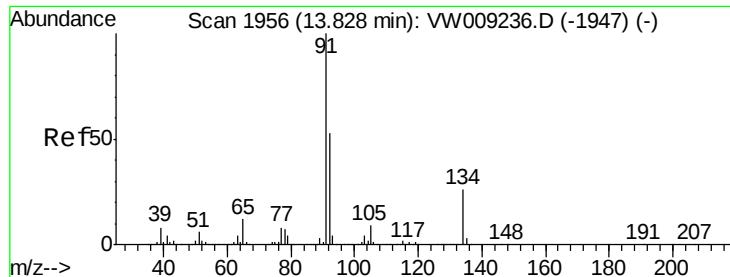
Tgt Ion:146 Resp: 160679
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.1 60.2
 148 62.7 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 19.373 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion:146 Resp: 160498
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.9 59.6
 148 65.0 32.2 96.6





#89

n-Butylbenzene

Concen: 20.190 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

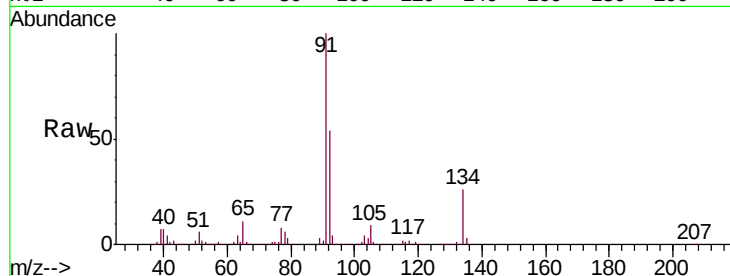
Tgt Ion: 91 Resp: 314614

Ion Ratio Lower Upper

91 100

92 53.1 26.4 79.0

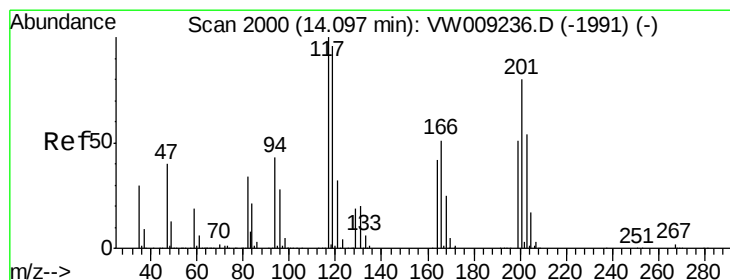
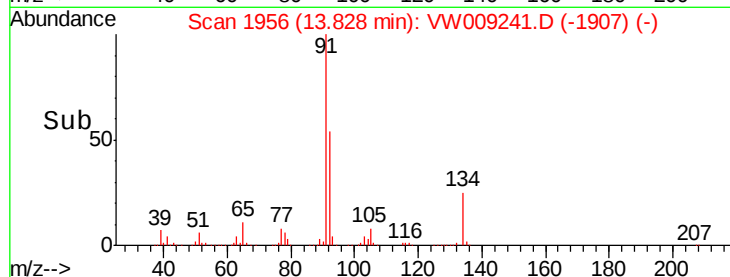
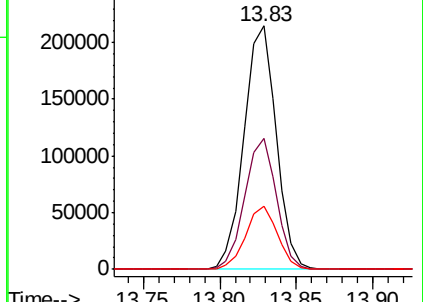
134 25.5 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.439 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009241.D

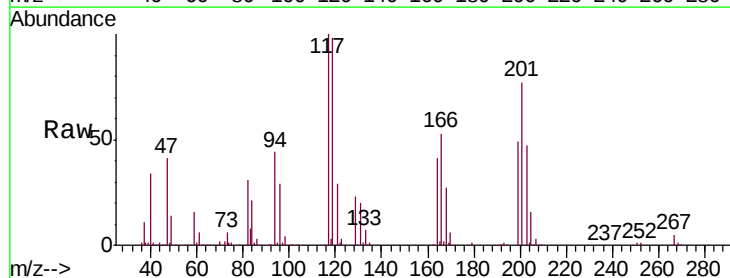
Acq: 19 Mar 2019 15:12

Tgt Ion: 117 Resp: 62216

Ion Ratio Lower Upper

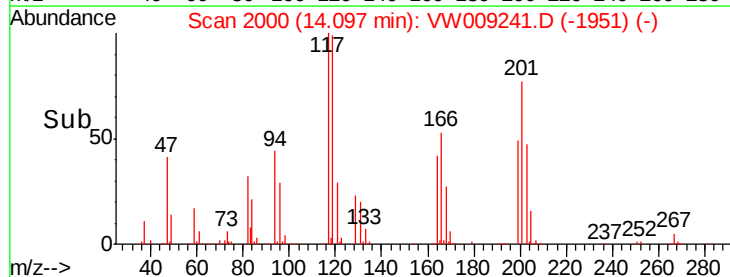
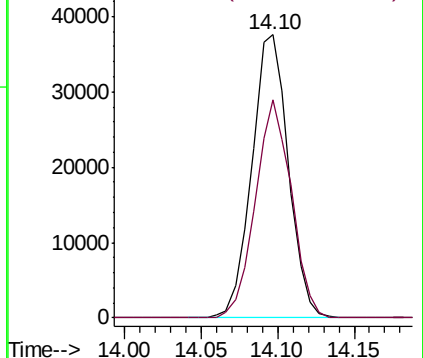
117 100

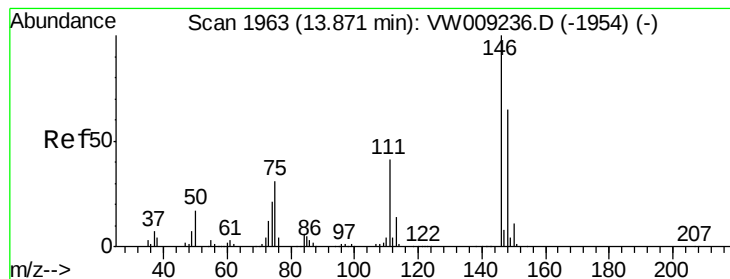
201 76.1 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.952 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

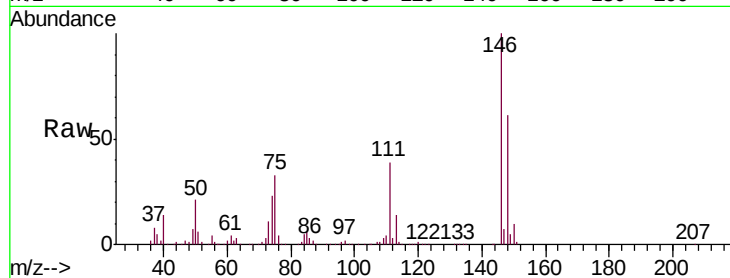
Tgt Ion:146 Resp: 141403

Ion Ratio Lower Upper

146 100

111 41.4 20.4 61.2

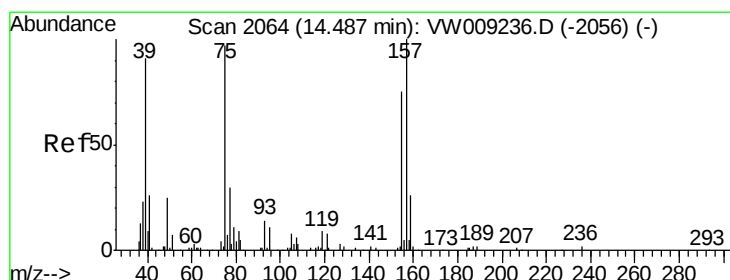
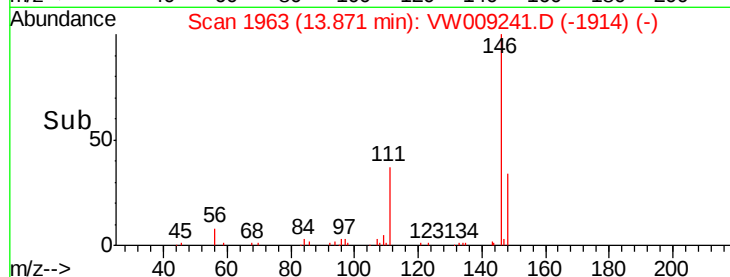
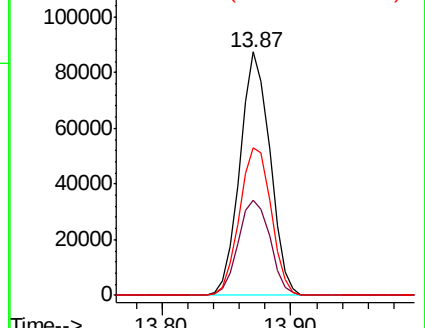
148 63.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.941 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009241.D

Acq: 19 Mar 2019 15:12

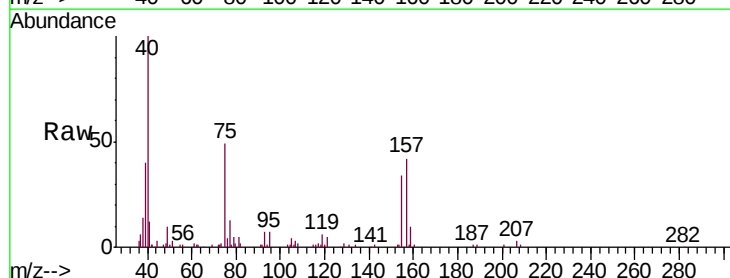
Tgt Ion: 75 Resp: 10201

Ion Ratio Lower Upper

75 100

155 78.3 39.3 117.8

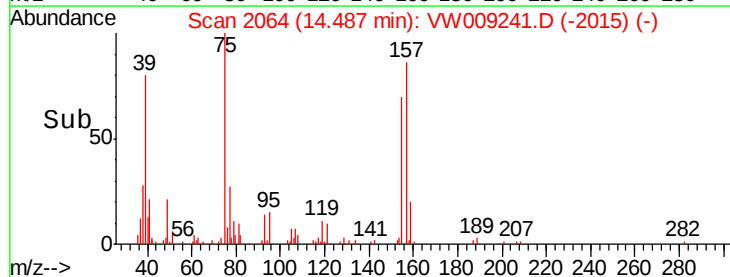
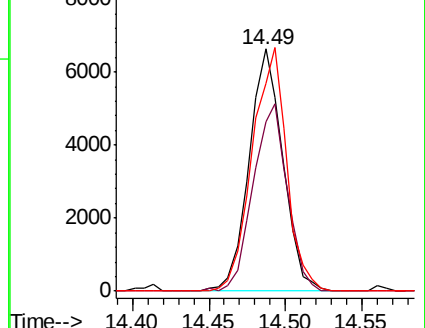
157 102.1 49.5 148.5

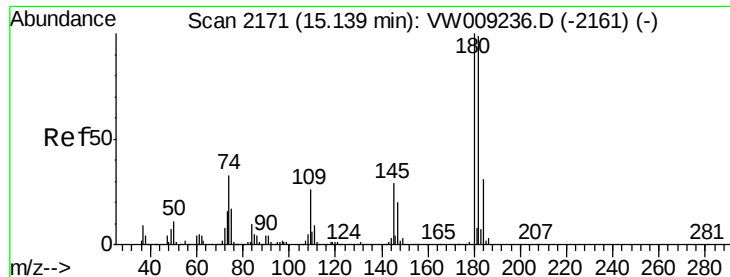


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

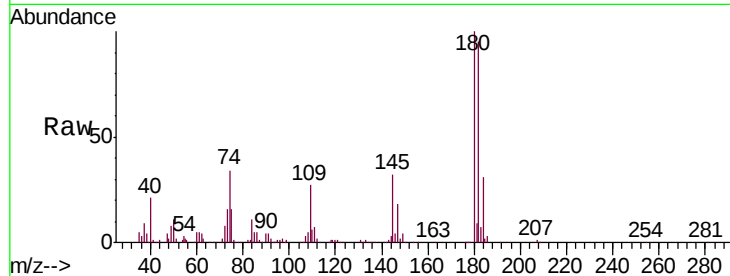




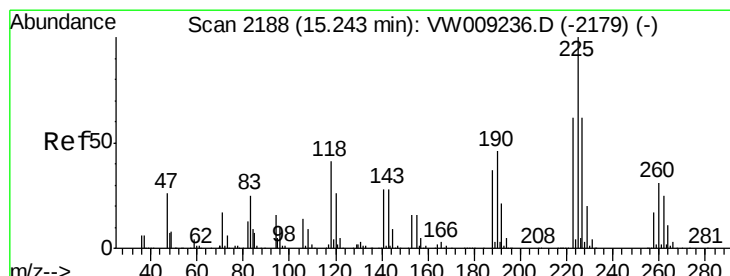
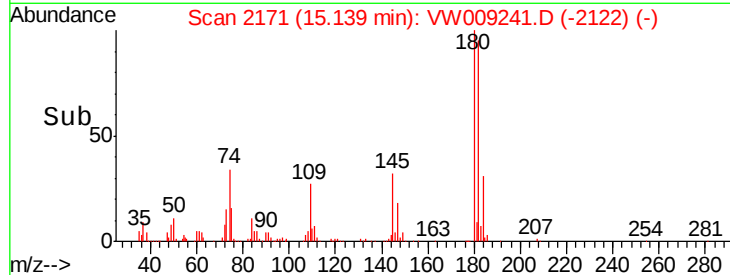
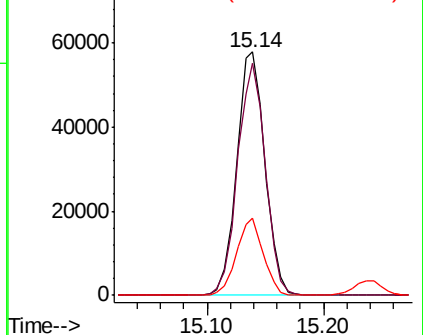
#93
 1,2,4-Trichlorobenzene
 Concen: 19.447 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

Tgt Ion:180 Resp: 97445
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.9 143.7
 145 29.9 15.0 45.0

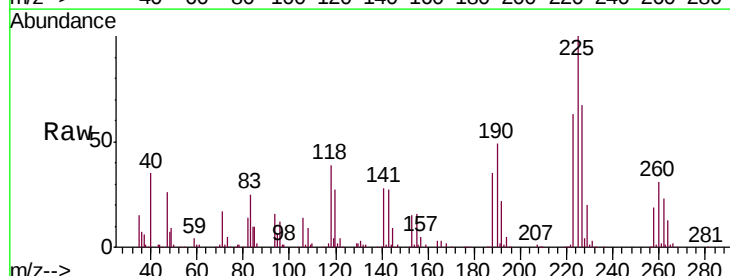


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

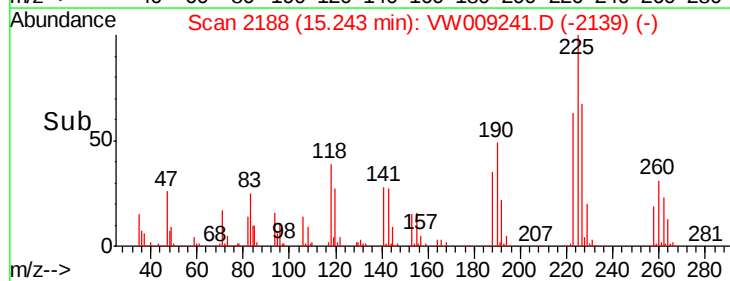
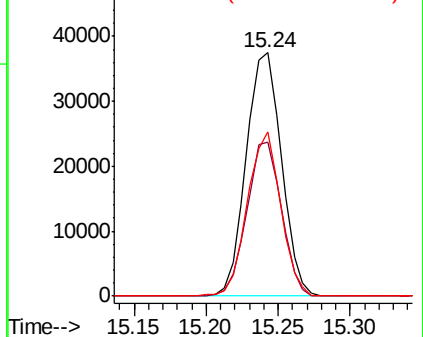


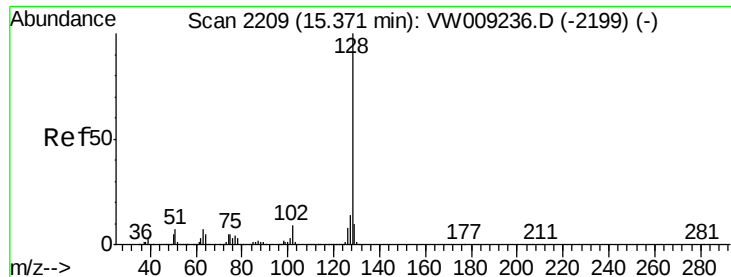
#94
 Hexachlorobutadiene
 Concen: 19.932 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW009241.D
 Acq: 19 Mar 2019 15:12

Tgt Ion:225 Resp: 63522
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.4 94.3
 227 63.7 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

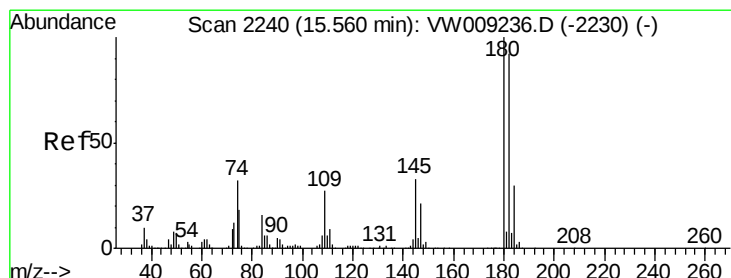
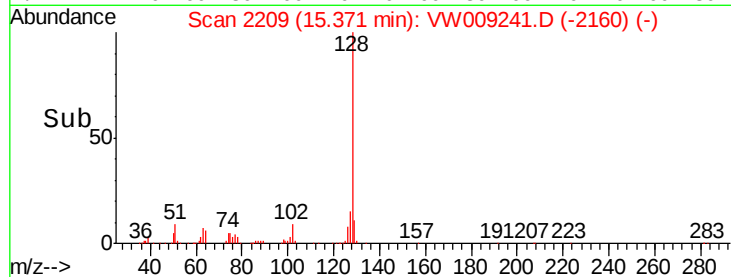
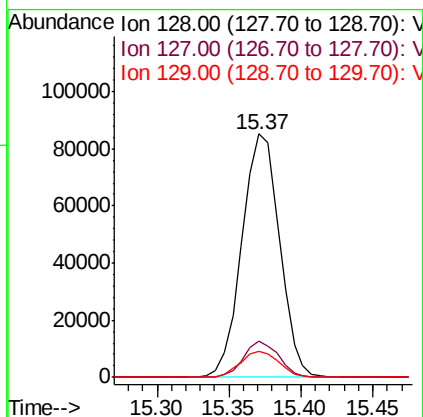
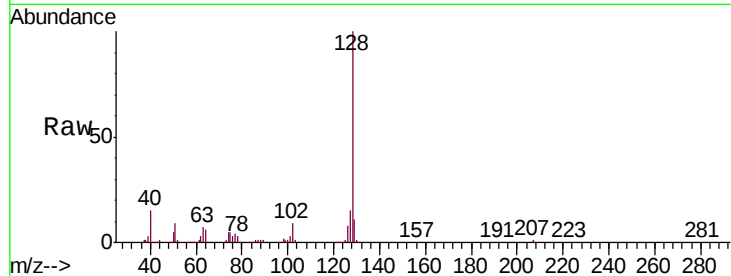




#95
Naphthalene
Concen: 17.789 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tgt Ion:128 Resp: 154440
Ion Ratio Lower Upper
128 100
127 13.9 10.8 16.2
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.049 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009241.D
Acq: 19 Mar 2019 15:12

Tgt Ion:180 Resp: 85204
Ion Ratio Lower Upper
180 100
182 96.1 47.3 141.9
145 32.5 16.0 48.0

