

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007189.D
 Acq On : 04 Dec 2018 16:05
 Operator : SY/AP
 Sample : VW1204SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

Quant Time: Dec 05 05:05:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	113420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	174769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	156433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	81417	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	51042	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
35) Dibromofluoromethane	7.88	113	47475	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	10.33	98	212591	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.62	95	77125	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	26325	21.214	ug/l	100
3) Chloromethane	2.21	50	30061	19.129	ug/l	97
4) Vinyl Chloride	2.36	62	19889	20.214	ug/l	98
5) Bromomethane	2.75	94	11090	22.493	ug/l	87
6) Chloroethane	2.91	64	11104	20.114	ug/l	98
7) Trichlorofluoromethane	3.26	101	37989	19.804	ug/l	99
8) Diethyl Ether	3.69	74	10973	20.522	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23236	20.052	ug/l	99
10) Methyl Iodide	4.28	142	18665	18.908	ug/l	97
11) Tert butyl alcohol	5.16	59	13430	123.674	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	20870	19.218	ug/l	97
13) Acrolein	3.90	56	7723	104.376	ug/l	100
14) Allyl chloride	4.68	41	33710	19.366	ug/l	98
15) Acrylonitrile	5.37	53	22236	99.475	ug/l	99
16) Acetone	4.12	43	22370	89.484	ug/l	99
17) Carbon Disulfide	4.39	76	70253	19.626	ug/l	100
18) Methyl Acetate	4.68	43	11737	20.569	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	51862	20.284	ug/l	96
20) Methylene Chloride	4.92	84	27467	18.536	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	23042	19.002	ug/l	99
22) Diisopropyl ether	6.32	45	61334	19.628	ug/l	97
23) Vinyl Acetate	6.26	43	172657	101.262	ug/l	97
24) 1,1-Dichloroethane	6.22	63	39538	19.741	ug/l	98
25) 2-Butanone	7.17	43	28292	97.630	ug/l	97
26) 2,2-Dichloropropane	7.17	77	37802	19.641	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	25304	19.466	ug/l	99
28) Bromochloromethane	7.51	49	14064	19.474	ug/l	99
29) Tetrahydrofuran	7.54	42	18247	101.895	ug/l	98
30) Chloroform	7.68	83	41022	19.708	ug/l	100
31) Cyclohexane	7.96	56	41315	19.716	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	38797	19.806	ug/l	99
36) 1,1-Dichloropropene	8.09	75	33691	19.812	ug/l	97
37) Ethyl Acetate	7.26	43	12412	20.178	ug/l	97
38) Carbon Tetrachloride	8.07	117	34466	19.857	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
 Data File : VW007189.D
 Acq On : 04 Dec 2018 16:05
 Operator : SY/AP
 Sample : VW1204SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

Quant Time: Dec 05 05:05:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 04 14:18:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	44822	19.689	ug/l	97
40) Benzene	8.33	78	90799	19.472	ug/l	97
41) Methacrylonitrile	7.49	41	8004	21.724	ug/l	96
42) 1,2-Dichloroethane	8.40	62	26037	19.979	ug/l	100
43) Isopropyl Acetate	8.43	43	23649	19.795	ug/l	99
44) Trichloroethene	9.10	130	26604	20.297	ug/l	99
45) 1,2-Dichloropropane	9.37	63	21911	20.192	ug/l	99
46) Dibromomethane	9.46	93	11829	20.978	ug/l	93
47) Bromodichloromethane	9.65	83	29296	19.752	ug/l	94
48) Methyl methacrylate	9.44	41	11746	18.943	ug/l	94
49) 1,4-Dioxane	9.45	88	4237	430.145	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	57922	98.381	ug/l	100
52) Toluene	10.39	92	64833	19.987	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	29976	20.102	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	35589	20.365	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	15750	19.637	ug/l	94
56) Ethyl methacrylate	10.65	69	20747	19.830	ug/l	96
57) 1,3-Dichloropropane	10.93	76	27081	19.999	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	45847	109.099	ug/l	98
59) 2-Hexanone	10.97	43	40638	95.217	ug/l	97
60) Dibromochloromethane	11.13	129	19876	20.163	ug/l	97
61) 1,2-Dibromoethane	11.24	107	15484	20.128	ug/l	95
64) Tetrachloroethene	10.87	164	22148	19.378	ug/l	93
65) Chlorobenzene	11.66	112	68780	19.687	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	21551	19.973	ug/l	97
67) Ethyl Benzene	11.73	91	126366	19.845	ug/l	99
68) m/p-Xylenes	11.84	106	99477	39.822	ug/l	99
69) o-Xylene	12.17	106	46797	20.051	ug/l	99
70) Styrene	12.18	104	75230	19.691	ug/l	100
71) Bromoform	12.35	173	10485	19.412	ug/l #	99
73) Isopropylbenzene	12.47	105	124226	18.760	ug/l	97
74) N-amyl acetate	12.28	43	23925	20.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	17692	20.572	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	23794	19.447	ug/l #	100
77) Bromobenzene	12.75	156	27293	19.094	ug/l	98
78) n-propylbenzene	12.81	91	151282	19.176	ug/l	96
79) 2-Chlorotoluene	12.90	91	86246	19.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	109829	19.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5571	19.047	ug/l	98
82) 4-Chlorotoluene	12.99	91	89801	18.948	ug/l	100
83) tert-Butylbenzene	13.21	119	93522	18.891	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	112617	19.475	ug/l	98
85) sec-Butylbenzene	13.39	105	135464	19.167	ug/l	98
86) p-Isopropyltoluene	13.51	119	120970	19.228	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	56155	19.138	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	55078	18.583	ug/l	97
89) n-Butylbenzene	13.83	91	110715	18.832	ug/l	98
90) Hexachloroethane	14.10	117	17642	18.401	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	48916	19.257	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3191	19.154	ug/l	95

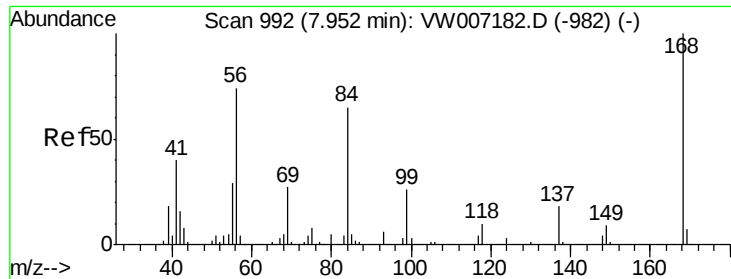
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\
Data File : VW007189.D
Acq On : 04 Dec 2018 16:05
Operator : SY/AP
Sample : VW1204SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

Quant Time: Dec 05 05:05:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 04 14:18:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	32208	18.296	ug/l	99
94) Hexachlorobutadiene	15.24	225	17538	18.475	ug/l	99
95) Naphthalene	15.38	128	59450	18.843	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	26514	17.862	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

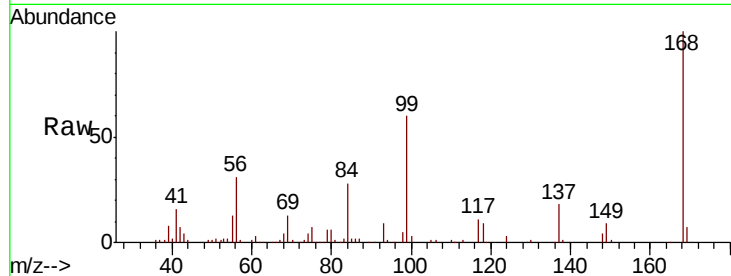
VW1204SBSD01

Tot Ion:168 Resp: 113420

Ion Ratio Lower Upper

168 100

99 60.3 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

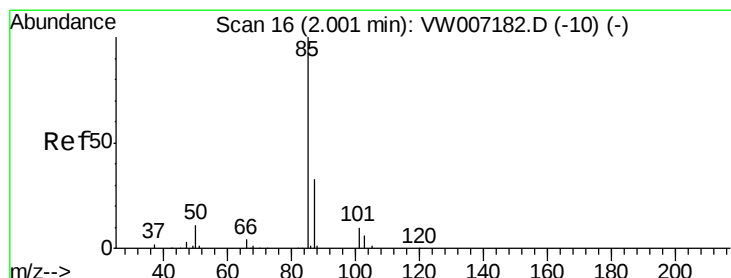
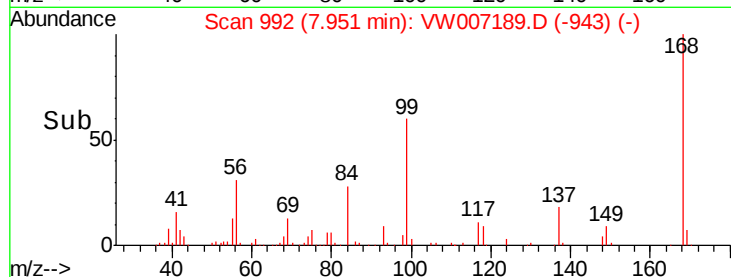
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.214 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007189.D

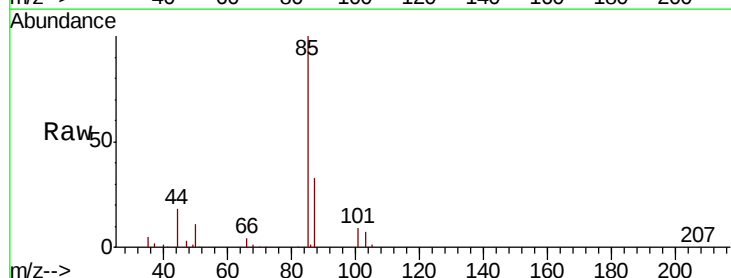
Acq: 04 Dec 2018 16:05

Tgt Ion: 85 Resp: 26325

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

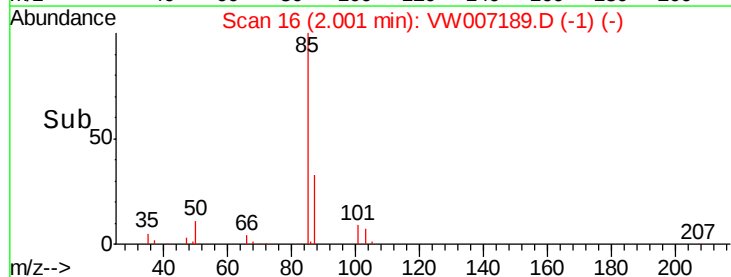
15000

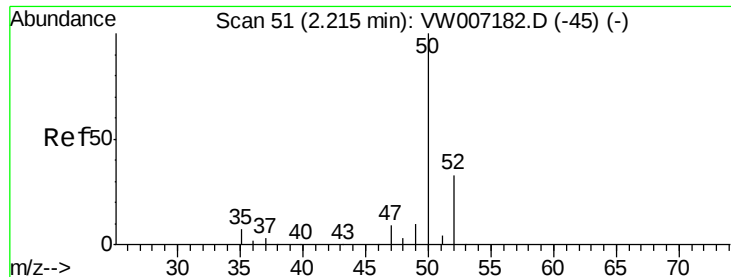
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.129 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

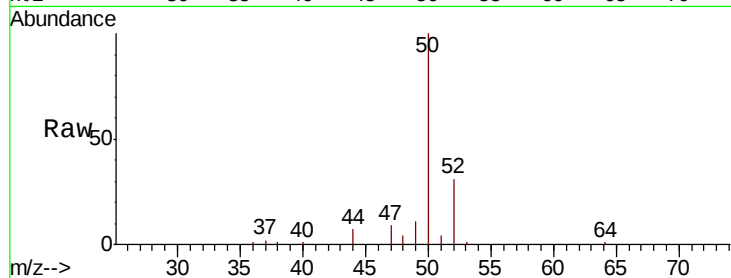
VW1204SBSD01

Tot Ion: 50 Resp: 30061

Ion Ratio Lower Upper

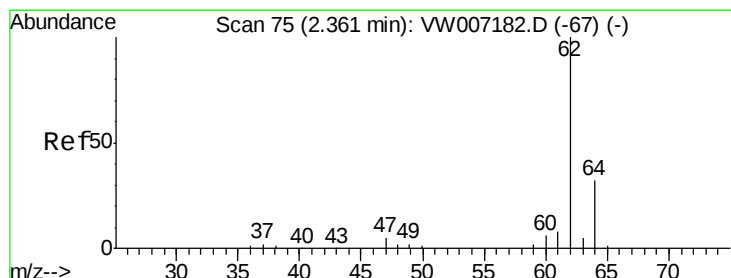
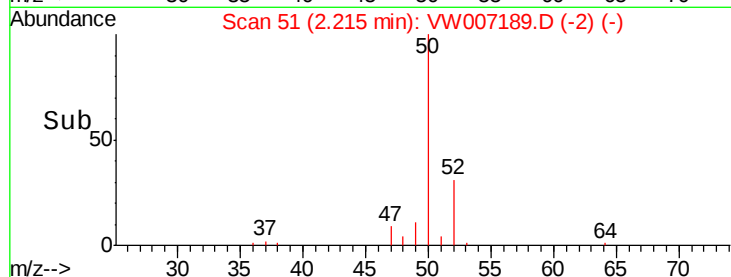
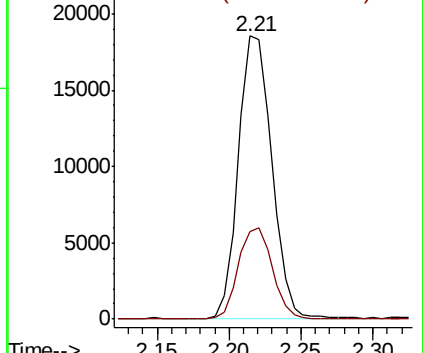
50 100

52 31.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.214 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW007189.D

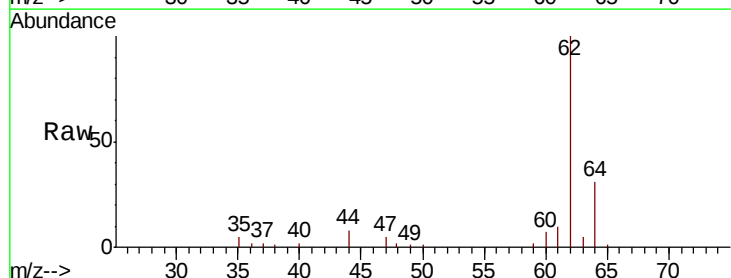
Acq: 04 Dec 2018 16:05

Tgt Ion: 62 Resp: 19889

Ion Ratio Lower Upper

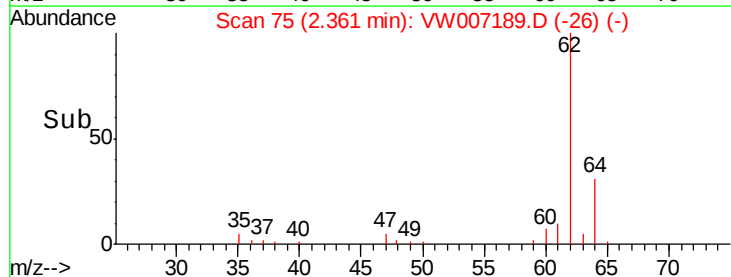
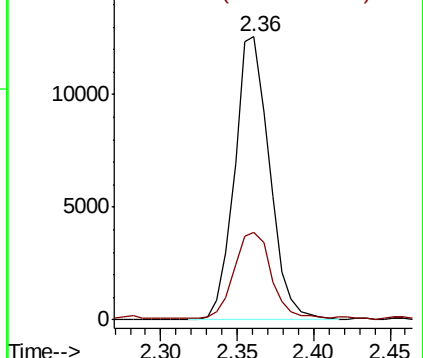
62 100

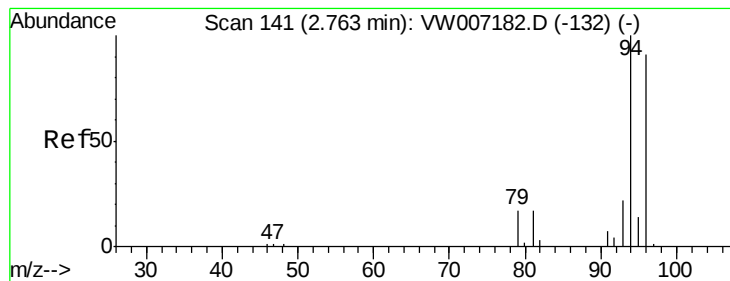
64 30.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 22.493 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

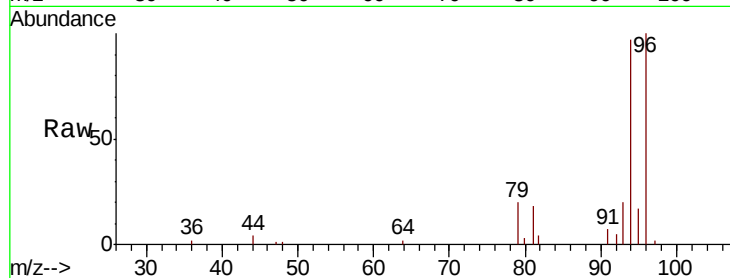
VW1204SBSD01

Tot Ion: 94 Resp: 11090

Ion Ratio Lower Upper

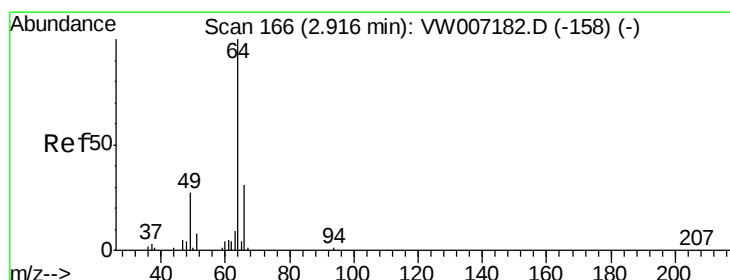
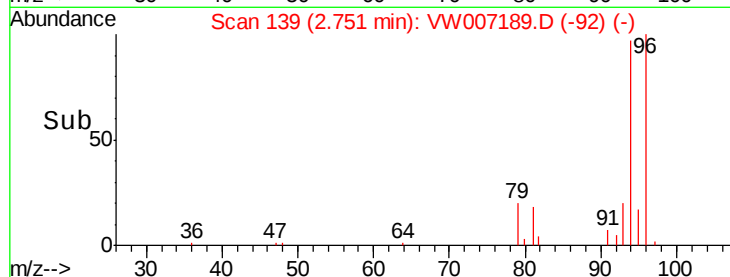
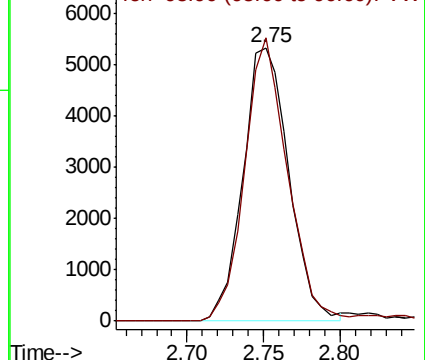
94 100

96 103.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.114 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007189.D

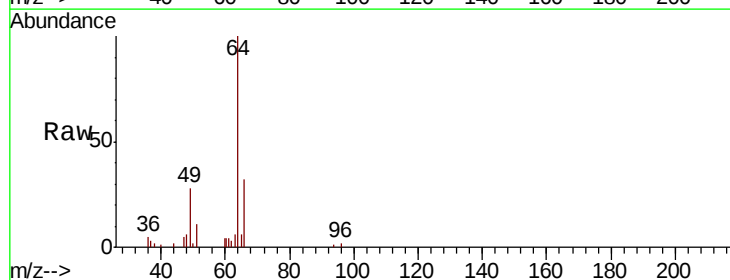
Acq: 04 Dec 2018 16:05

Tgt Ion: 64 Resp: 11104

Ion Ratio Lower Upper

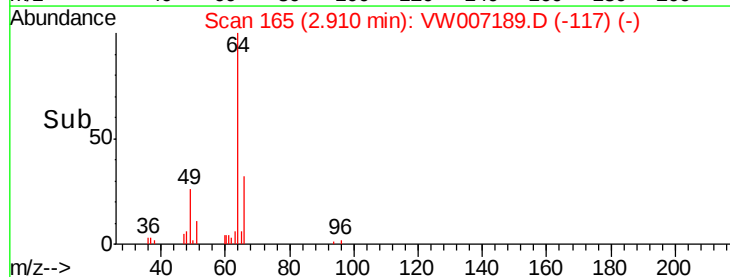
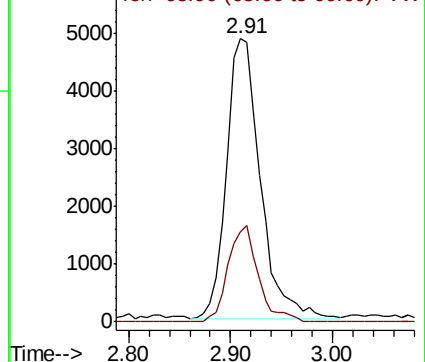
64 100

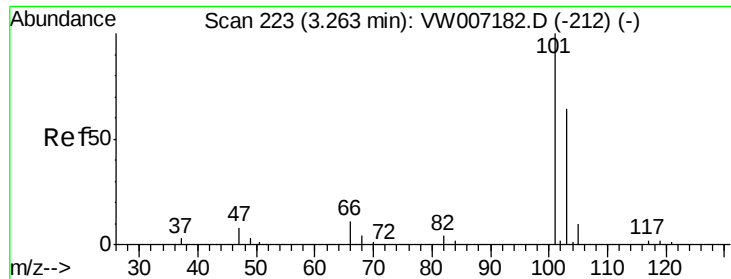
66 32.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



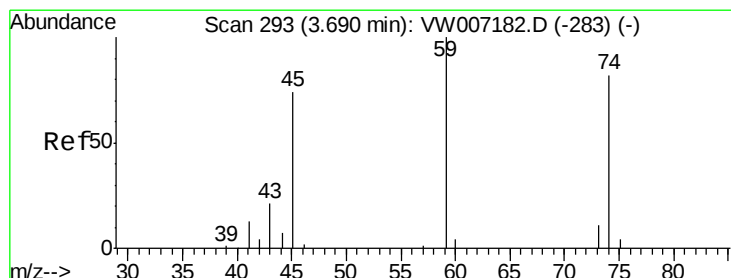
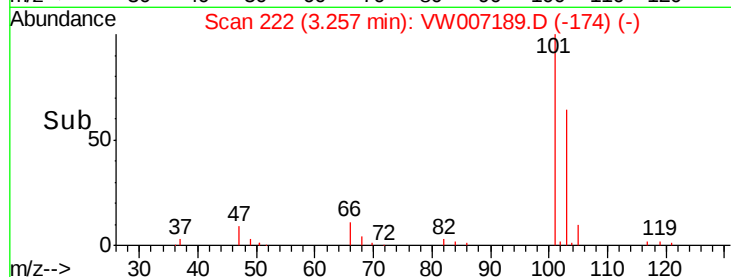
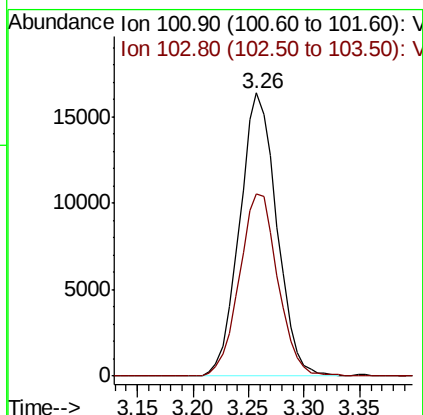
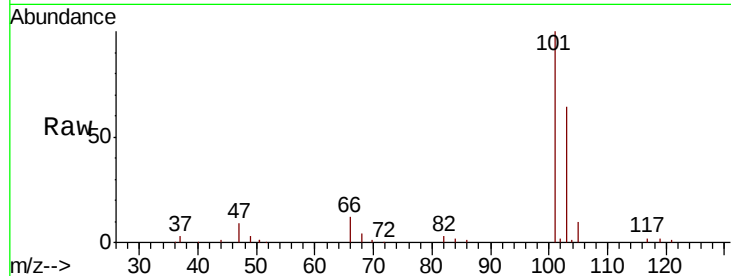


#7

Trichlorofluoromethane
 Concen: 19.804 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

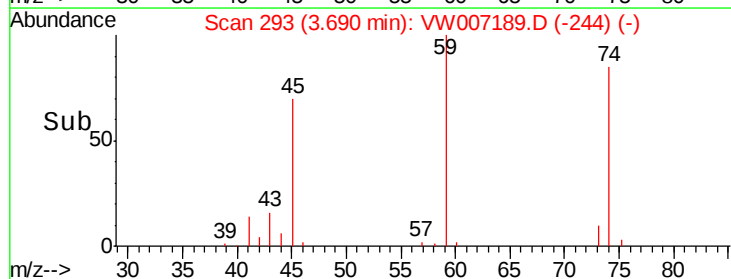
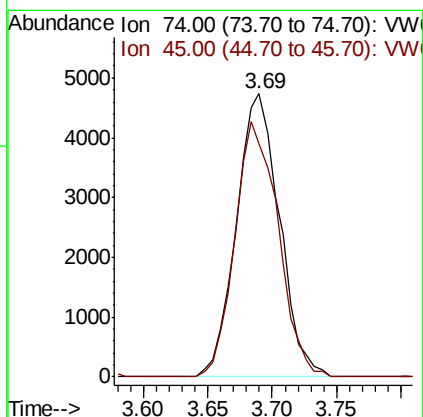
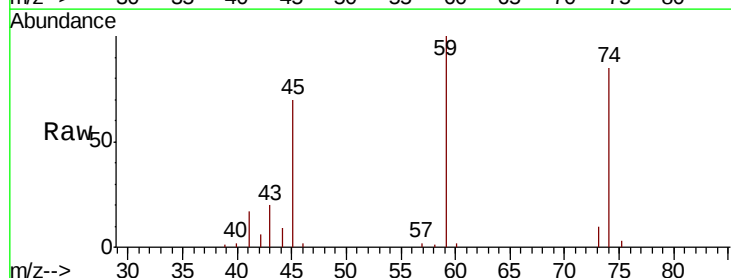
Tot Ion:101 Resp: 37989
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.9 76.3

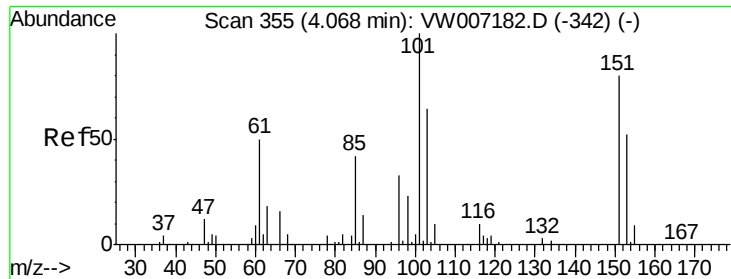


#8

Diethyl Ether
 Concen: 20.522 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Tgt Ion: 74 Resp: 10973
 Ion Ratio Lower Upper
 74 100
 45 90.6 47.2 141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.052 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

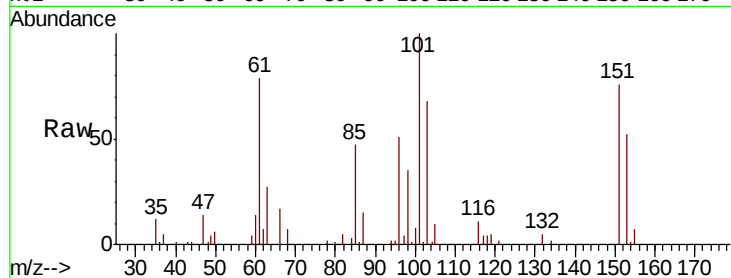
Tot Ion:101 Resp: 23236

Ion Ratio Lower Upper

101 100

85 43.6 33.4 50.2

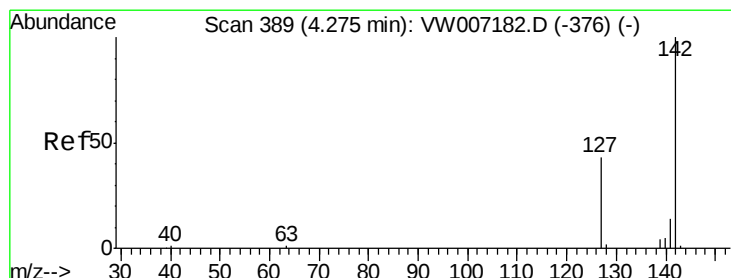
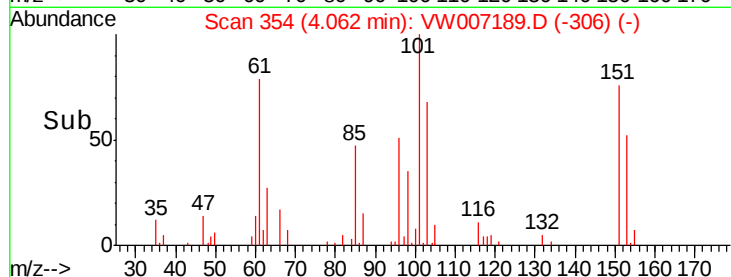
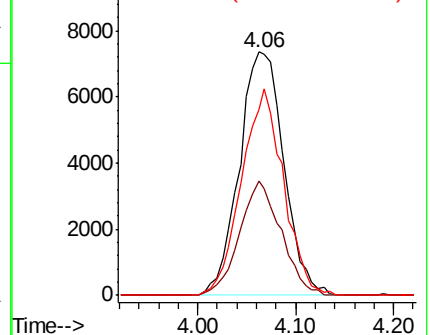
151 80.0 63.9 95.9



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: 18.908 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

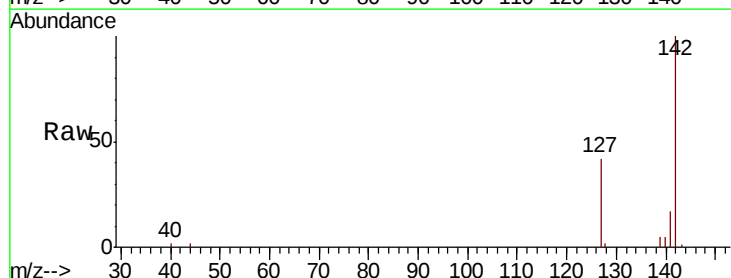
Tgt Ion:142 Resp: 18665

Ion Ratio Lower Upper

142 100

127 41.4 34.9 52.3

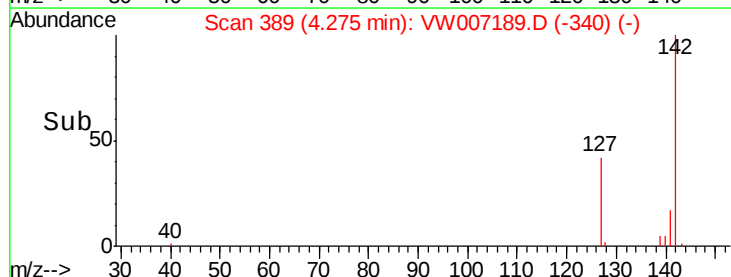
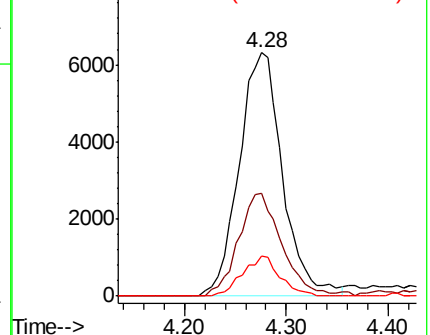
141 14.1 11.7 17.5

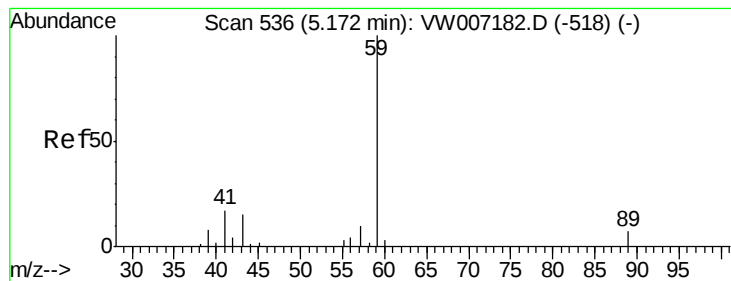


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



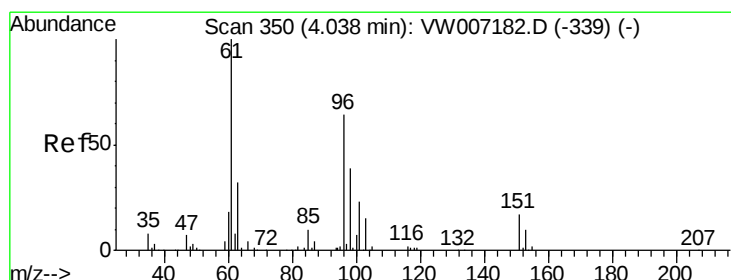
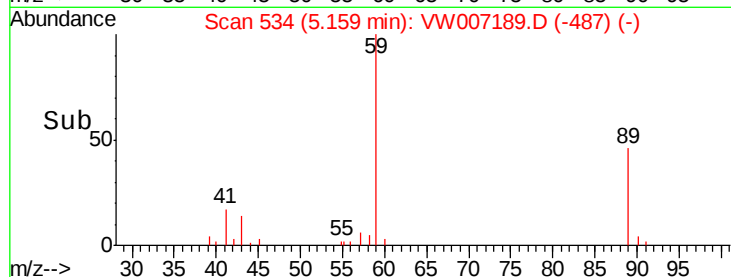
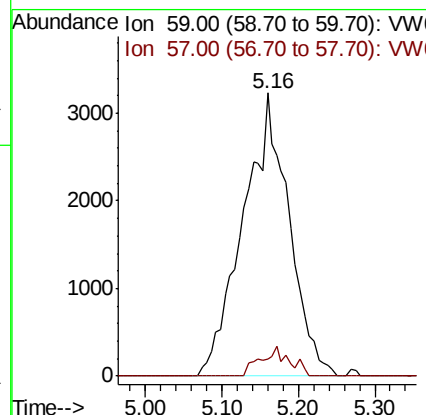
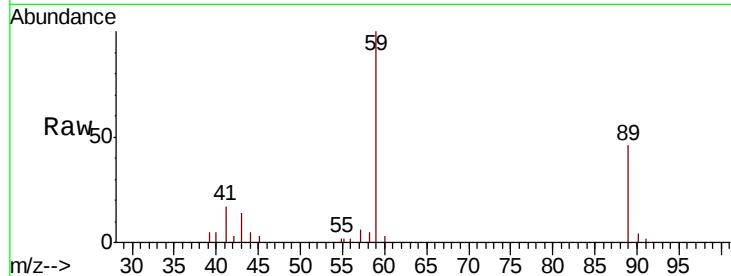


#11

Tert butyl alcohol
 Concen: 123.674 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

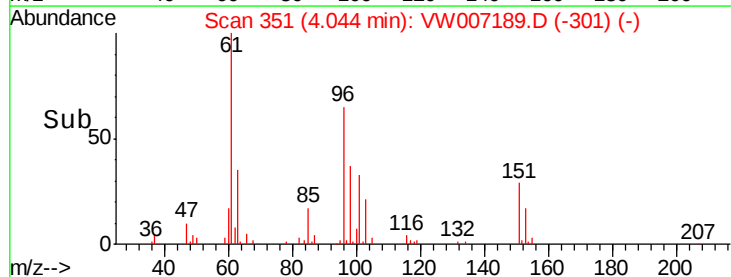
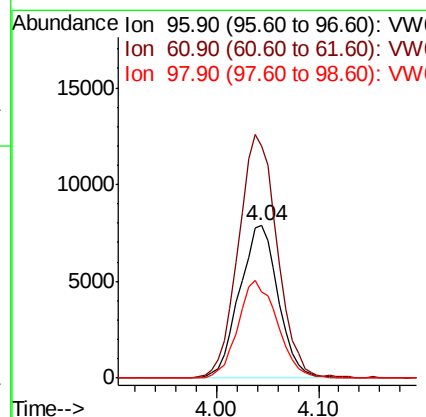
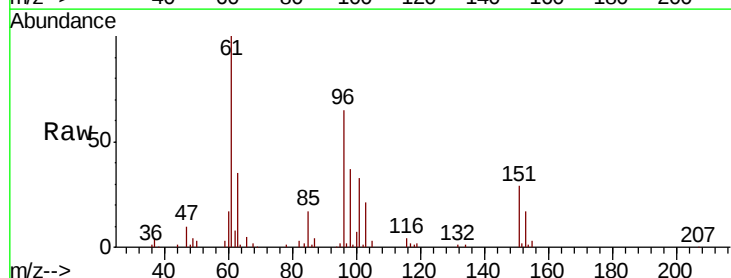
Tot Ion: 59 Resp: 13430
 Ion Ratio Lower Upper
 59 100
 57 6.5 7.1 10.7#

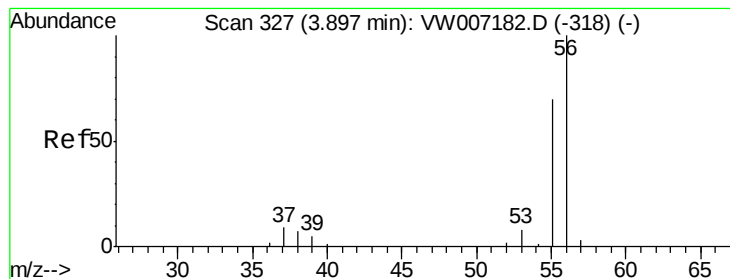


#12

1,1-Dichloroethene
 Concen: 19.218 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Tgt Ion: 96 Resp: 20870
 Ion Ratio Lower Upper
 96 100
 61 152.7 124.1 186.1
 98 56.9 48.6 72.8





#13

Acrolein

Concen: 104.376 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

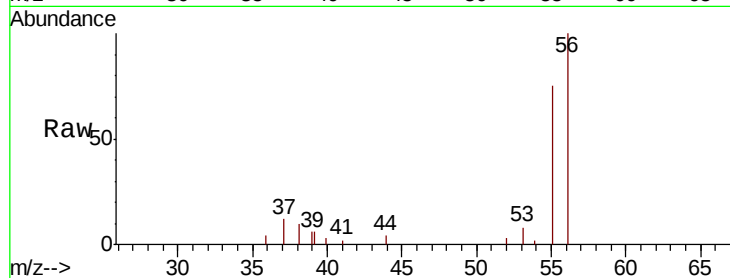
VW1204SBSD01

Tot Ion: 56 Resp: 7723

Ion Ratio Lower Upper

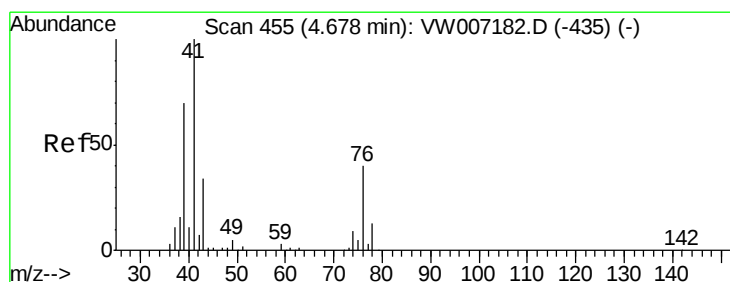
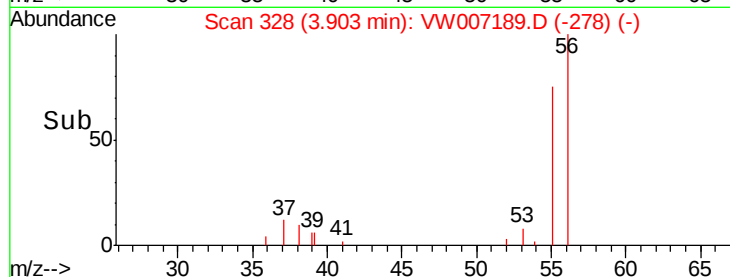
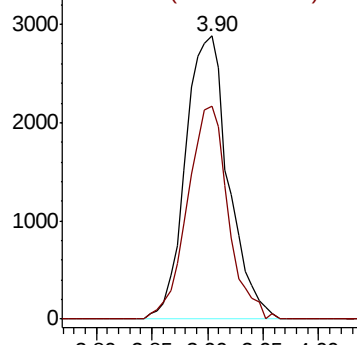
56 100

55 71.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.366 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

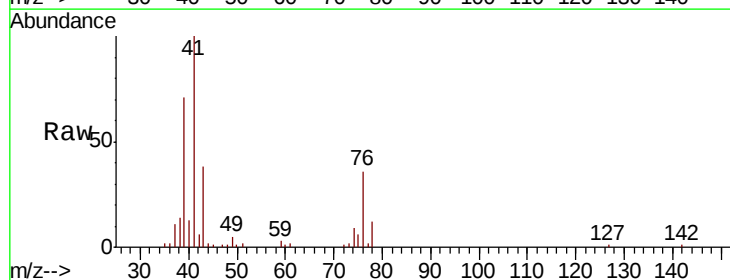
Tgt Ion: 41 Resp: 33710

Ion Ratio Lower Upper

41 100

39 70.7 55.9 83.9

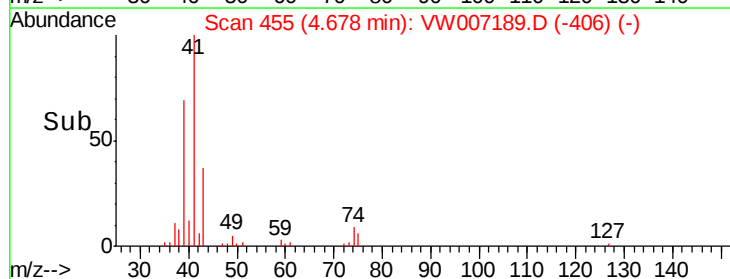
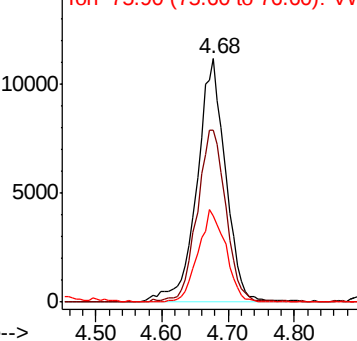
76 36.6 30.8 46.2

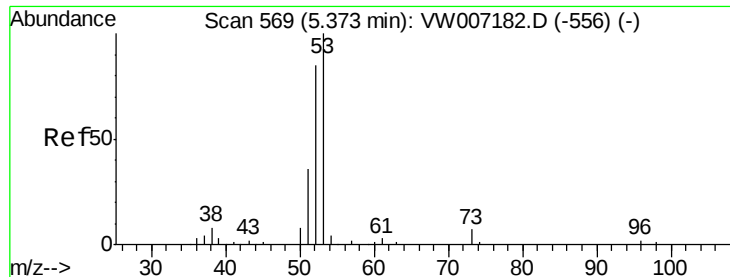


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.475 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

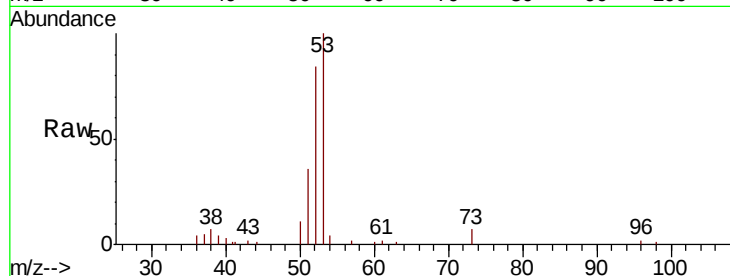
Tot Ion: 53 Resp: 22236

Ion Ratio Lower Upper

53 100

52 83.1 66.1 99.1

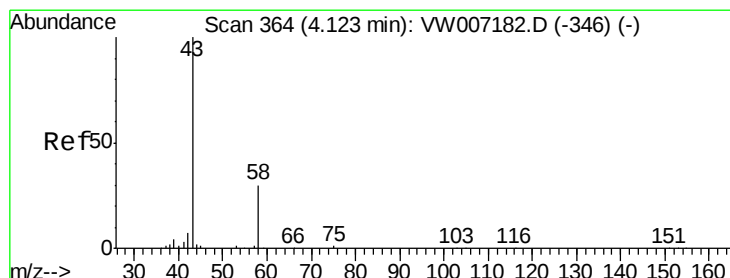
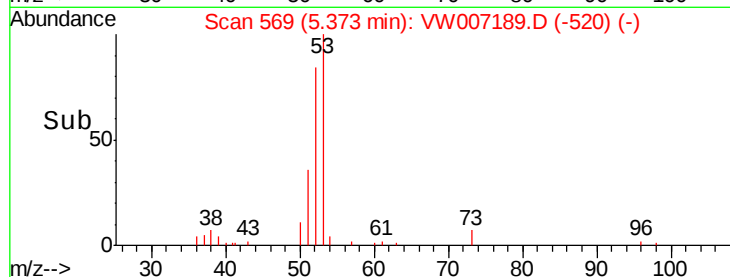
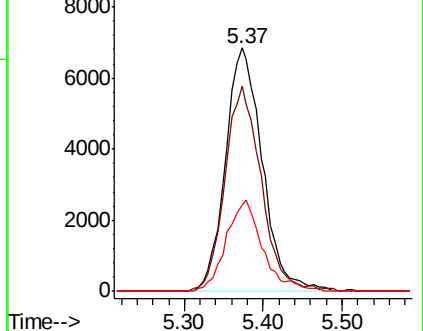
51 37.2 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 89.484 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW007189.D

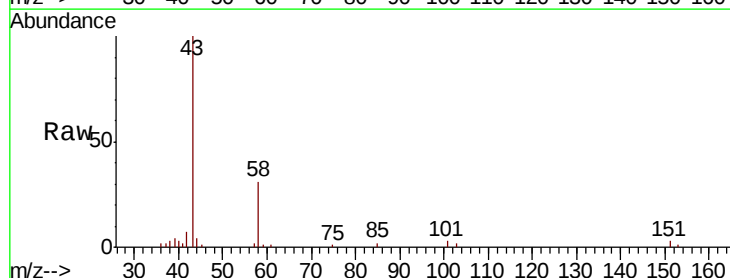
Acq: 04 Dec 2018 16:05

Tgt Ion: 43 Resp: 22370

Ion Ratio Lower Upper

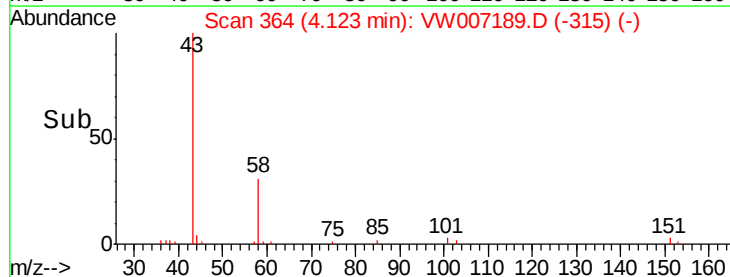
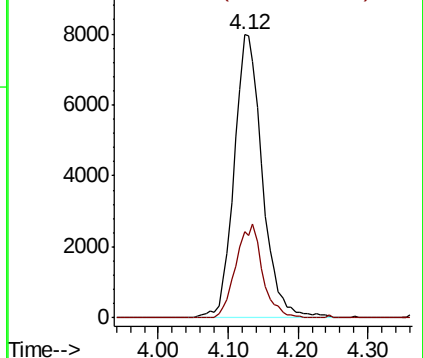
43 100

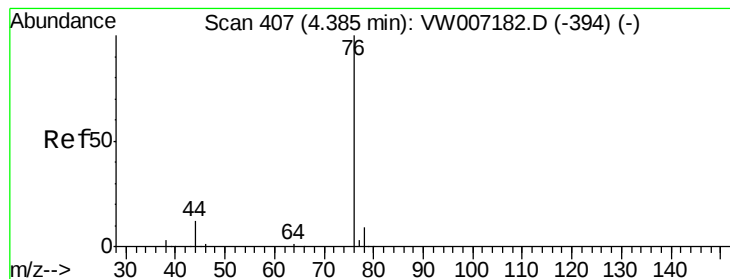
58 30.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 19.626 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

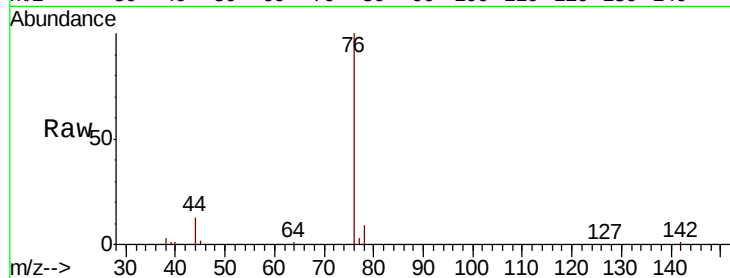
VW1204SBSD01

Tot Ion: 76 Resp: 70253

Ion Ratio Lower Upper

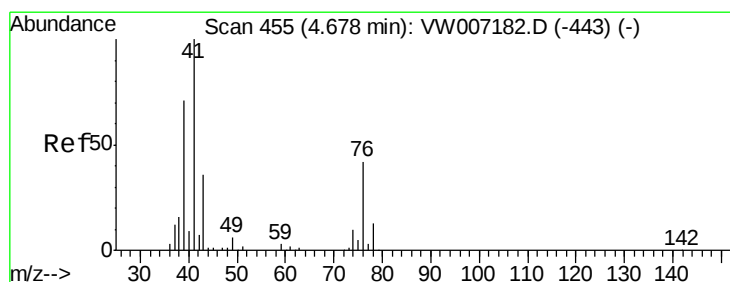
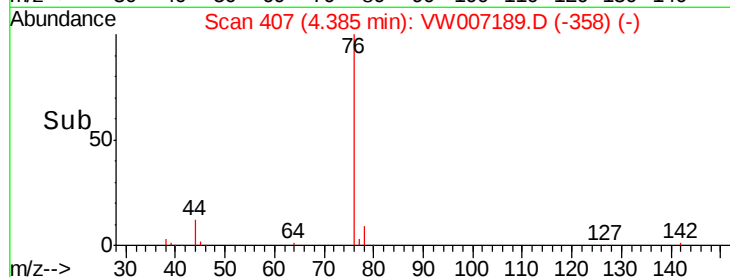
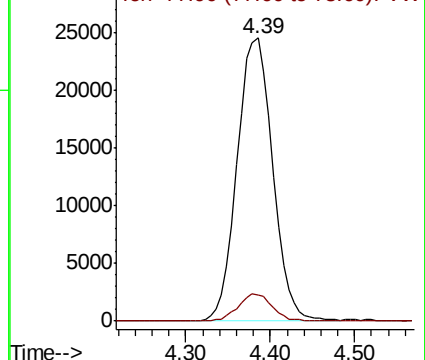
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.569 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007189.D

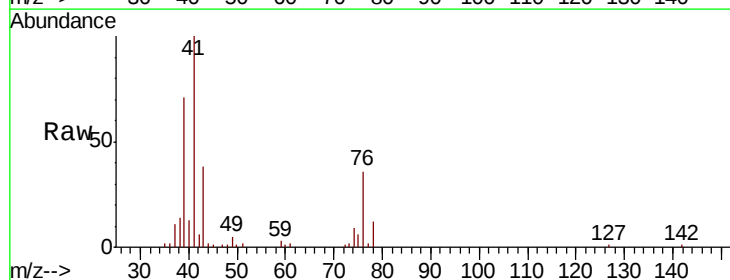
Acq: 04 Dec 2018 16:05

Tgt Ion: 43 Resp: 11737

Ion Ratio Lower Upper

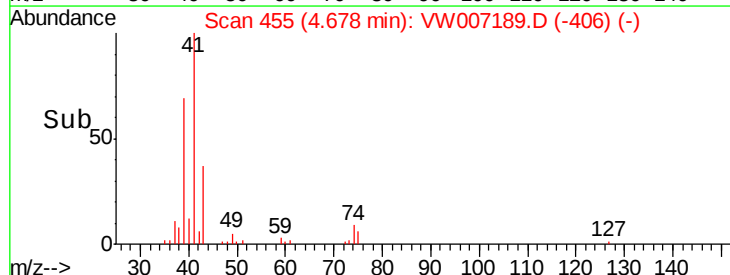
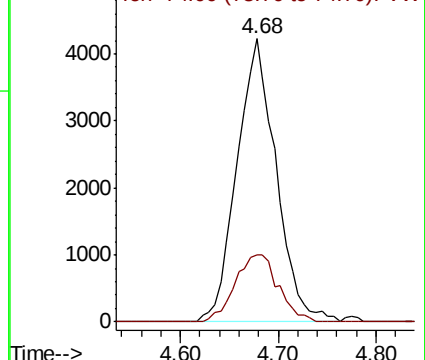
43 100

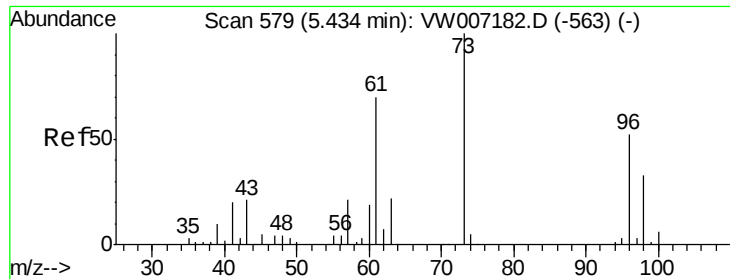
74 26.2 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

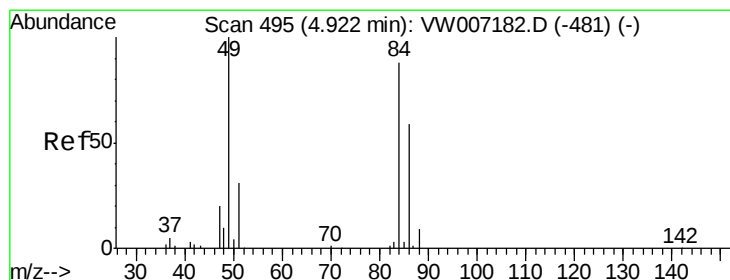
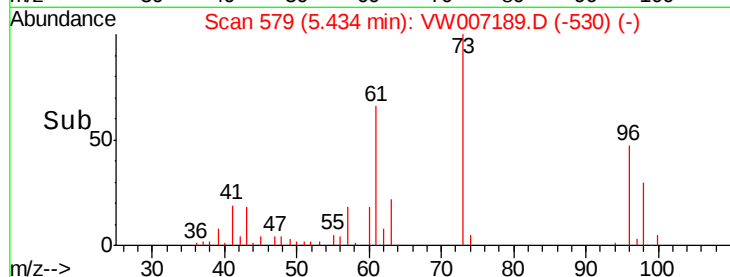
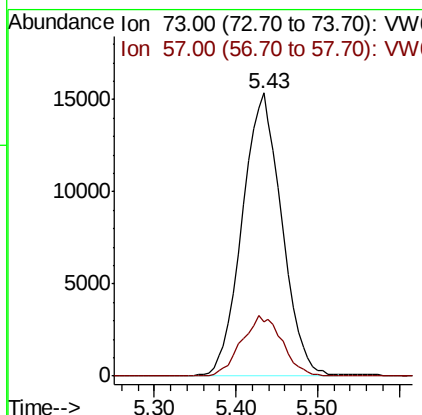
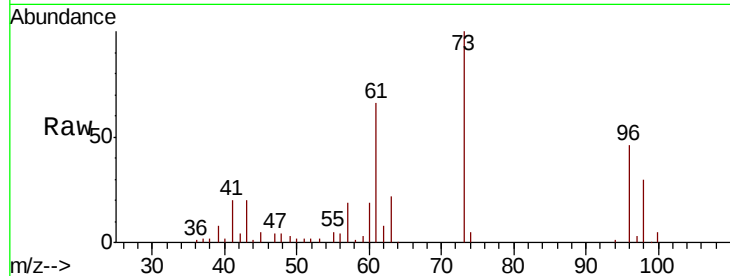




#19
Methyl tert-butyl Ether
Concen: 20.284 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

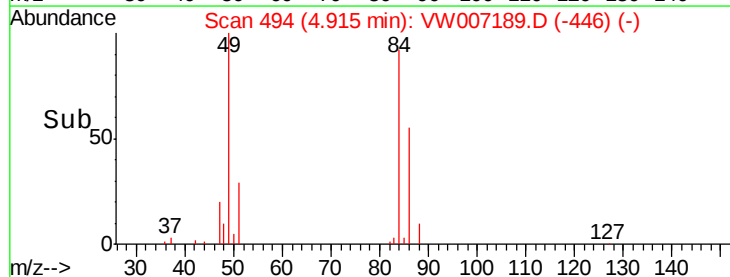
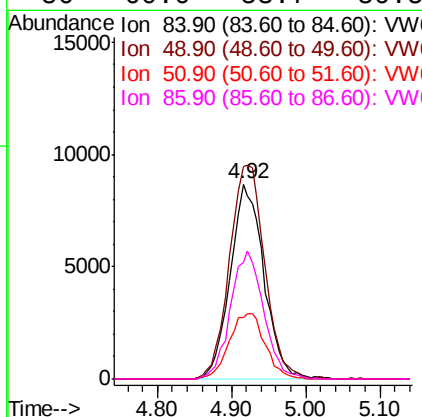
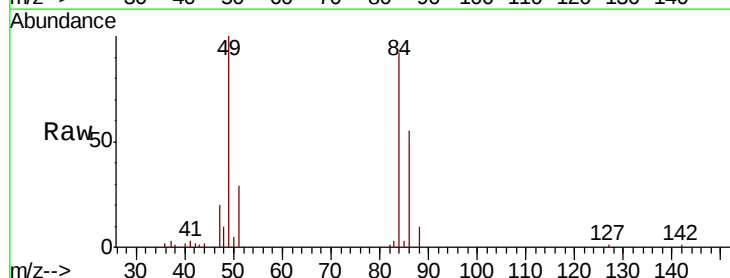
Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

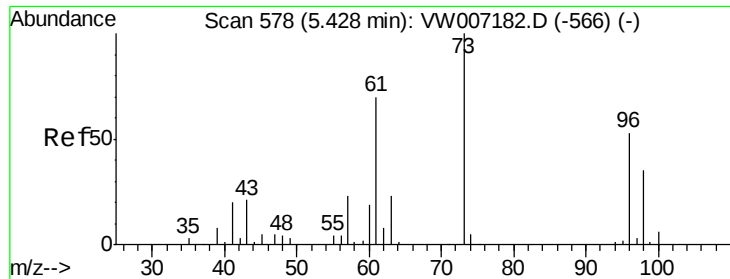
Tot Ion: 73 Resp: 51862
Ion Ratio Lower Upper
73 100
57 19.1 16.6 25.0



#20
Methylene Chloride
Concen: 18.536 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 84 Resp: 27467
Ion Ratio Lower Upper
84 100
49 109.2 90.6 135.8
51 31.3 27.6 41.4
86 60.0 53.7 80.5

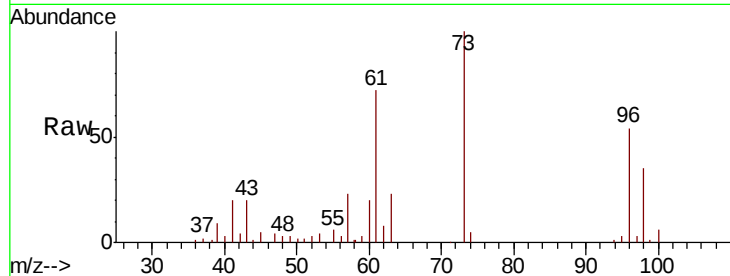




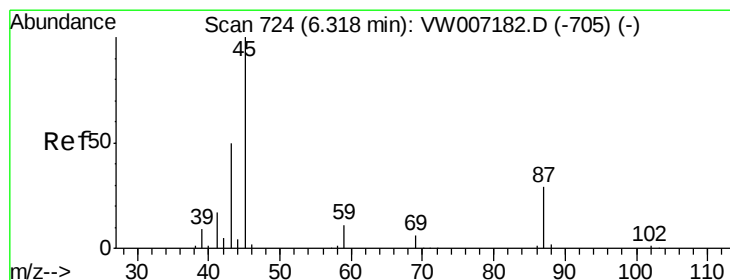
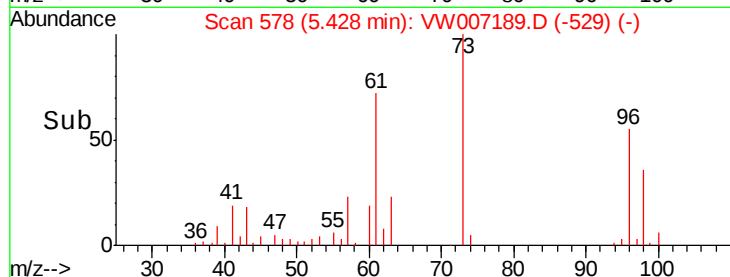
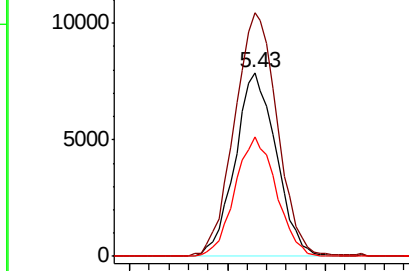
#21
trans-1,2-Dichloroethene
Concen: 19.002 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

Tot Ion: 96 Resp: 23042
Ion Ratio Lower Upper
96 100
61 132.7 105.5 158.3
98 65.4 52.6 79.0

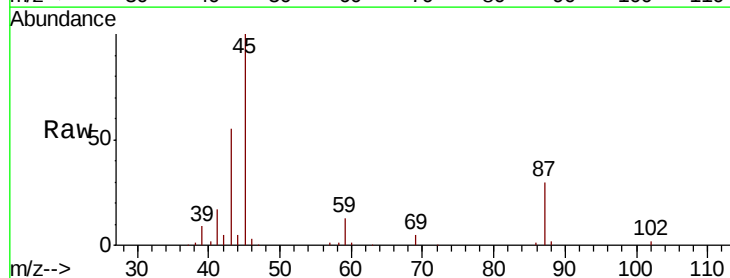


Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

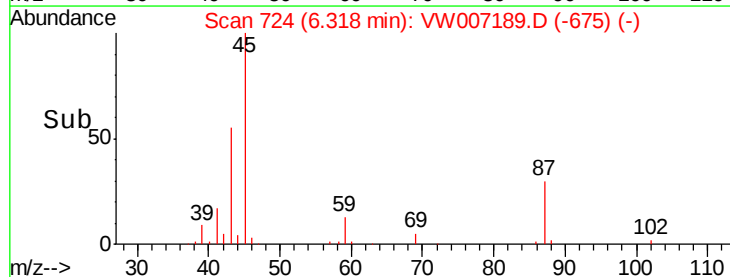
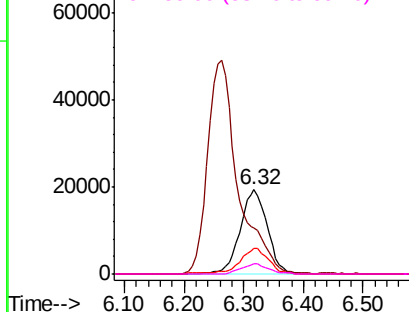


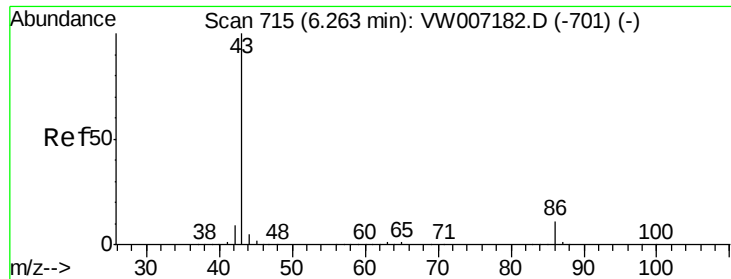
#22
Diisopropyl ether
Concen: 19.628 ug/l
RT: 6.32 min Scan# 724
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 45 Resp: 61334
Ion Ratio Lower Upper
45 100
43 54.8 40.8 61.2
87 29.9 24.0 36.0
59 12.7 9.1 13.7



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: 101.262 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampled :

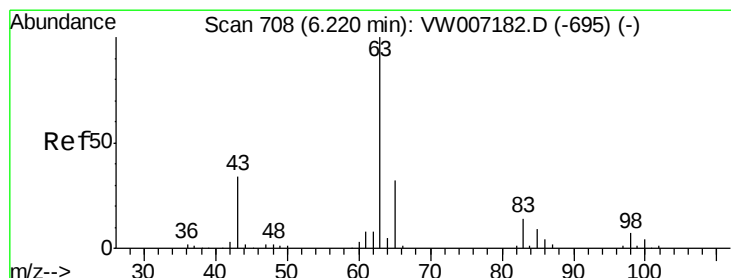
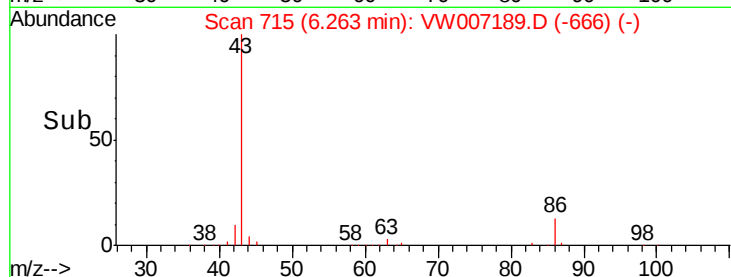
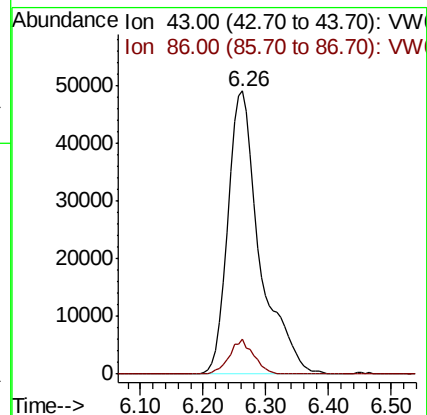
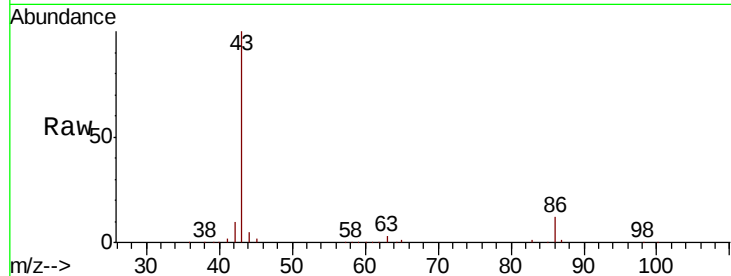
VW1204SBSD01

Tot Ion: 43 Resp: 172657

Ion Ratio Lower Upper

43 100

86 12.5 9.0 13.6



#24

1,1-Dichloroethane

Concen: 19.741 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

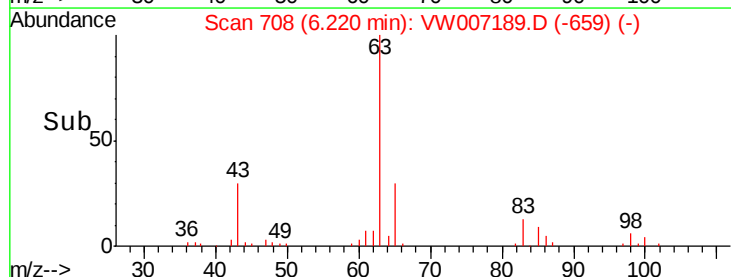
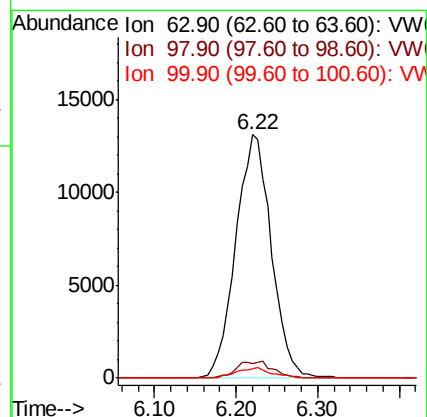
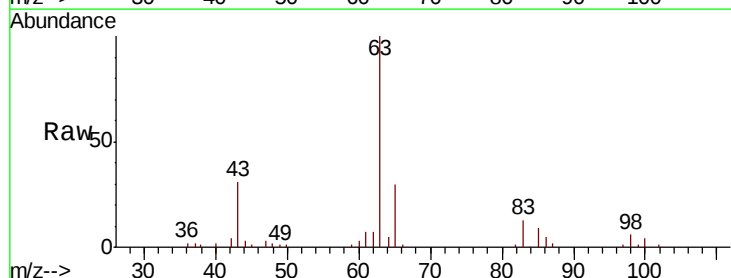
Tgt Ion: 63 Resp: 39538

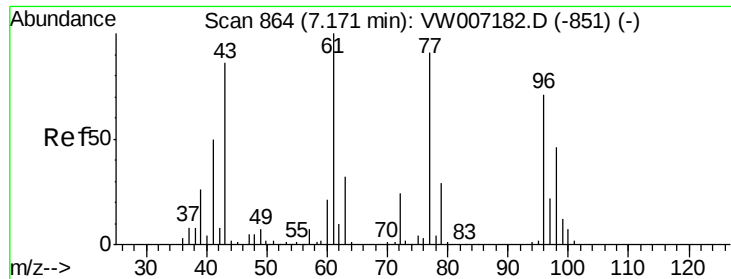
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 97.630 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

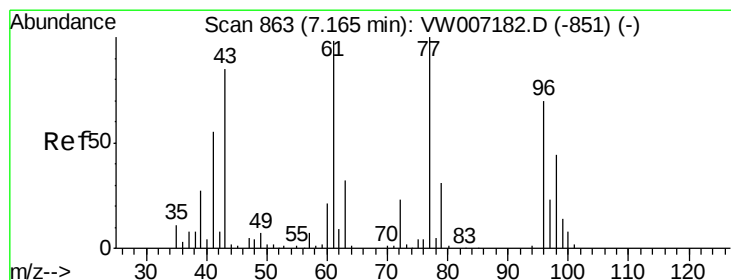
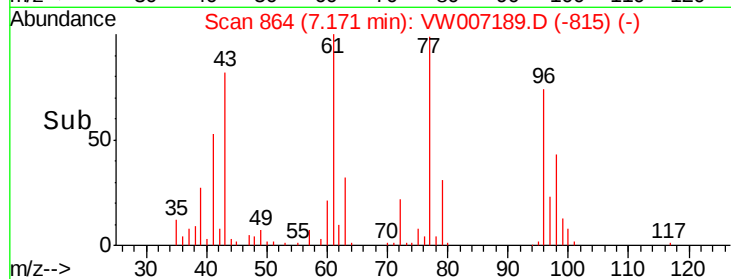
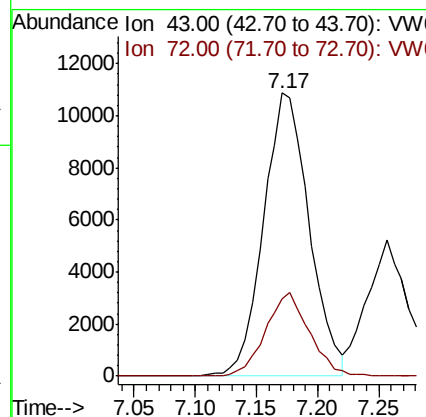
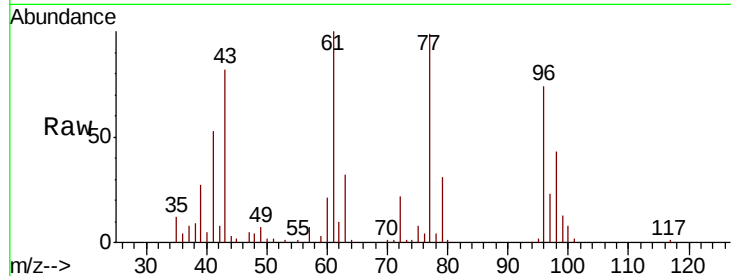
VW1204SBSD01

Tot Ion: 43 Resp: 28292

Ion Ratio Lower Upper

43 100

72 27.1 22.8 34.2



#26

2,2-Dichloropropane

Concen: 19.641 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007189.D

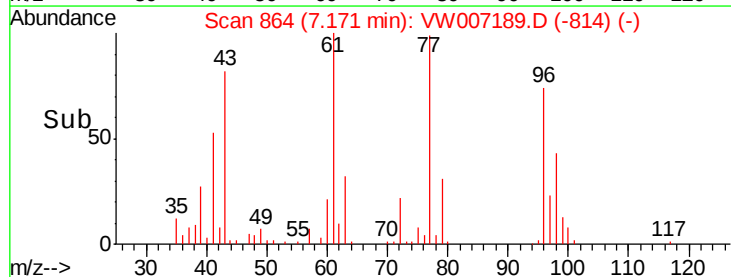
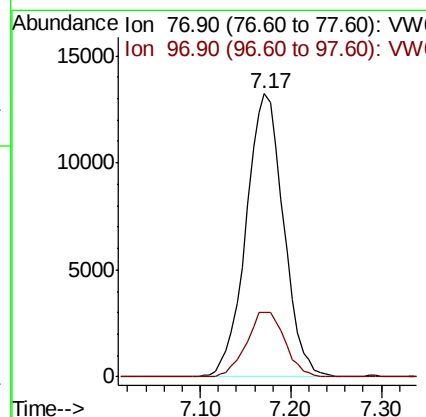
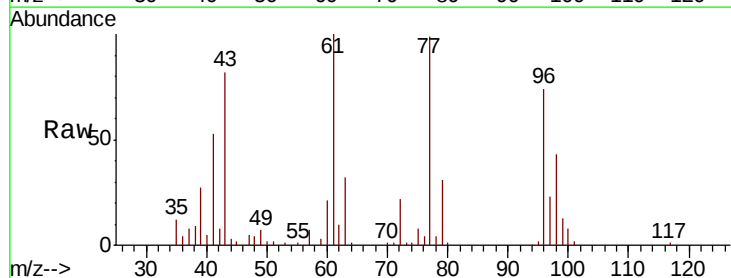
Acq: 04 Dec 2018 16:05

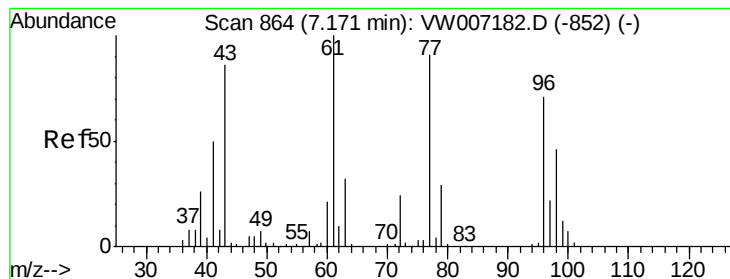
Tgt Ion: 77 Resp: 37802

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.4



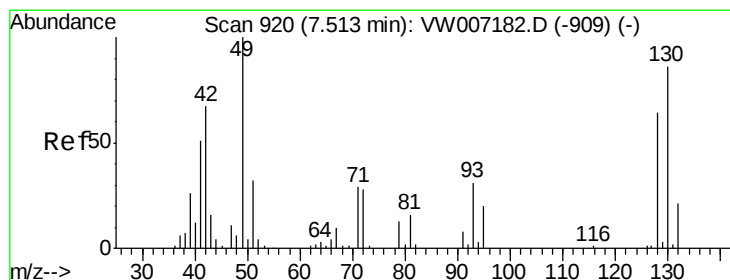
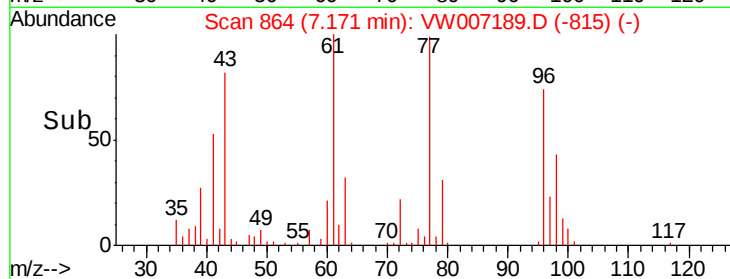
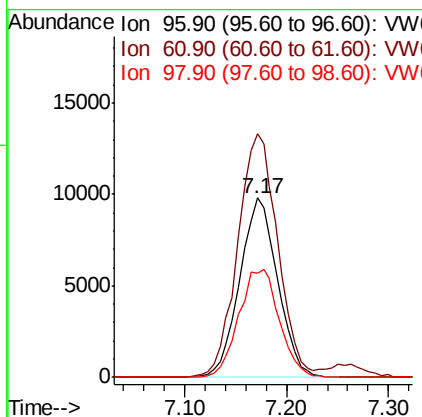
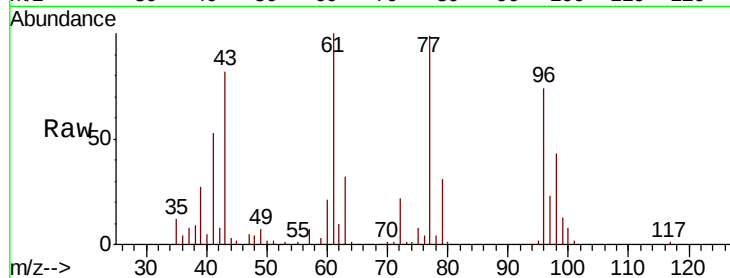


#27

cis-1,2-Dichloroethene
Concen: 19.466 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

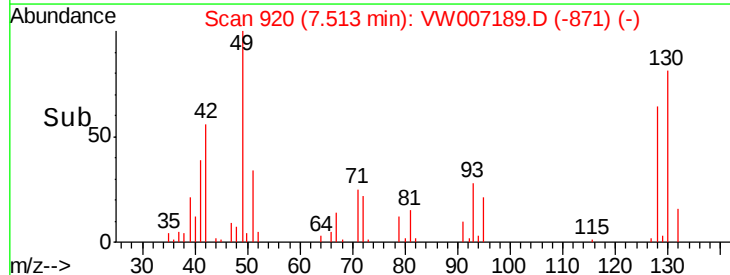
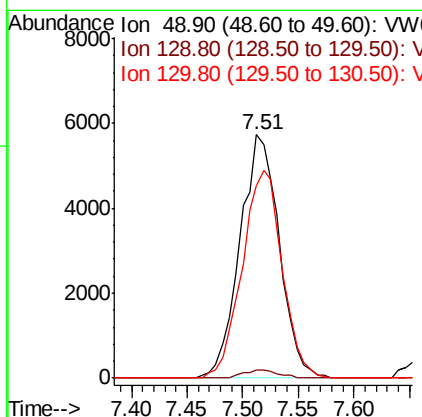
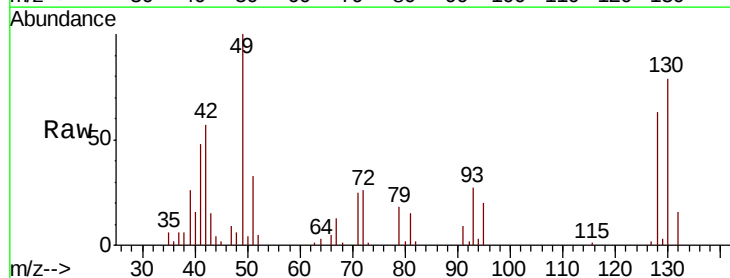
Tot Ion: 96 Resp: 25304
Ion Ratio Lower Upper
96 100
61 142.7 0.0 282.4
98 64.3 0.0 129.8

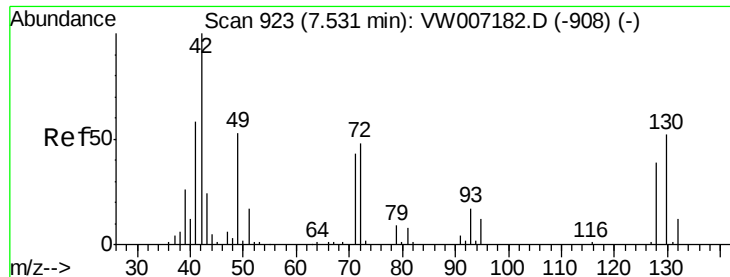


#28

Bromochloromethane
Concen: 19.474 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 49 Resp: 14064
Ion Ratio Lower Upper
49 100
129 2.9 0.0 3.8
130 86.9 70.3 105.5





#29

Tetrahydrofuran

Concen: 101.895 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

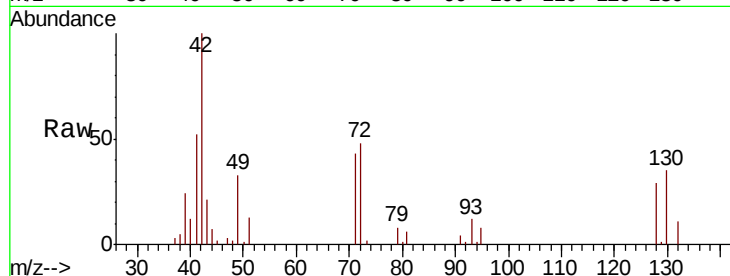
Tot Ion: 42 Resp: 18247

Ion Ratio Lower Upper

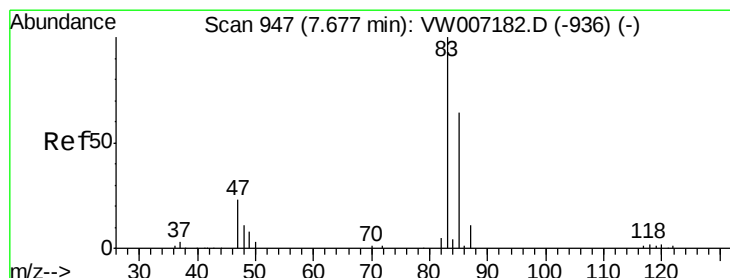
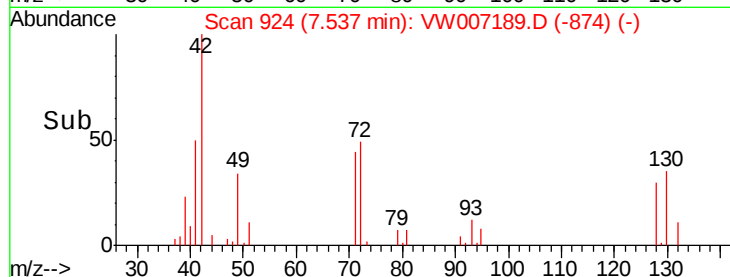
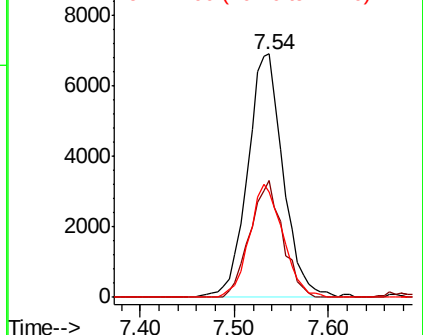
42 100

72 43.8 36.6 55.0

71 44.0 34.8 52.2



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: 19.708 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW007189.D

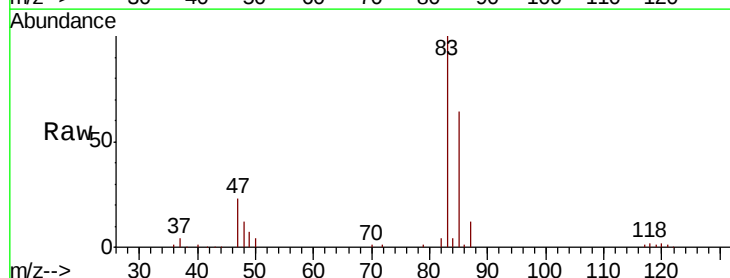
Acq: 04 Dec 2018 16:05

Tgt Ion: 83 Resp: 41022

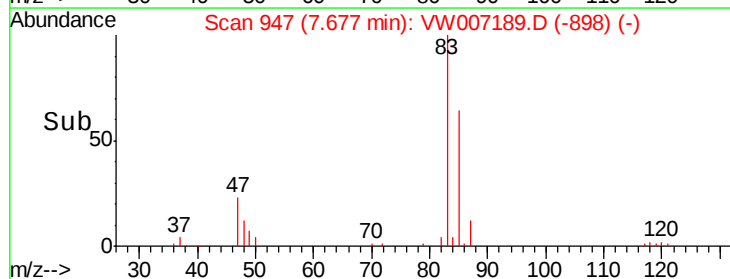
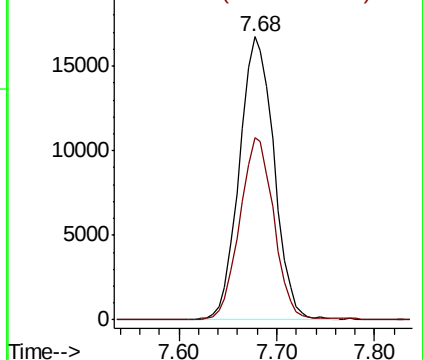
Ion Ratio Lower Upper

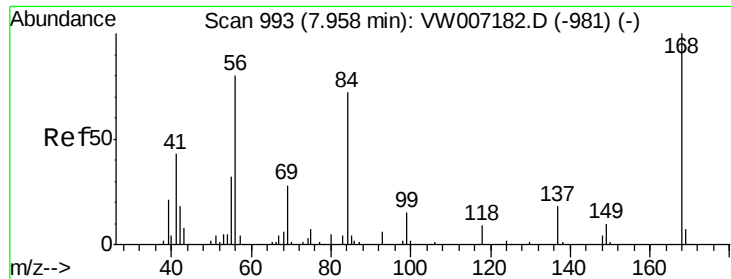
83 100

85 64.2 51.5 77.3



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

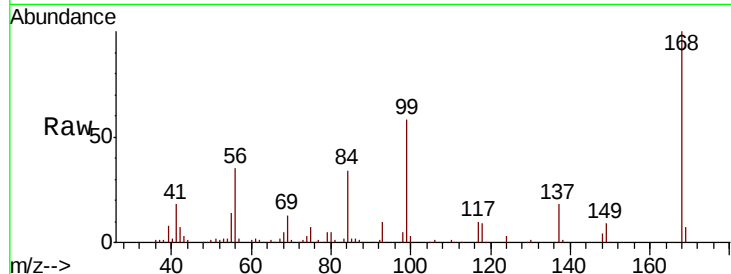




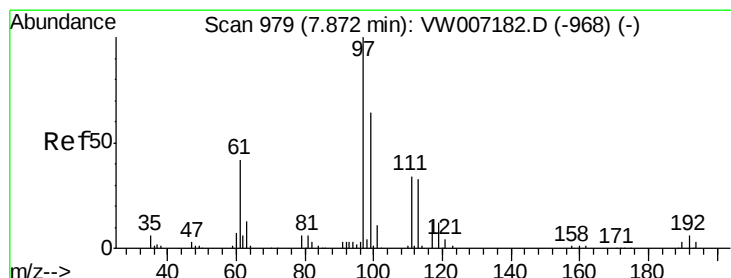
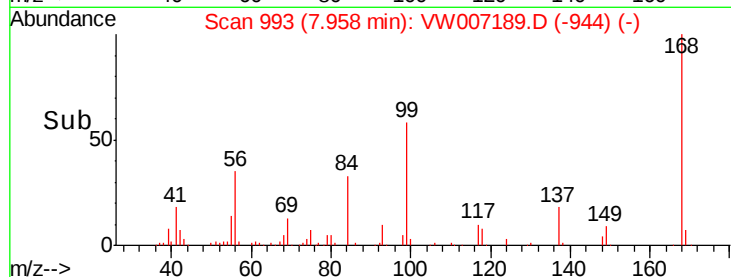
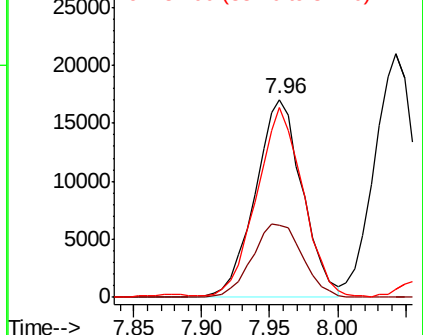
#31
Cyclohexane
Concen: 19.716 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

Tot Ion: 56 Resp: 41315
Ion Ratio Lower Upper
56 100
69 36.3 28.2 42.2
84 95.0 72.1 108.1

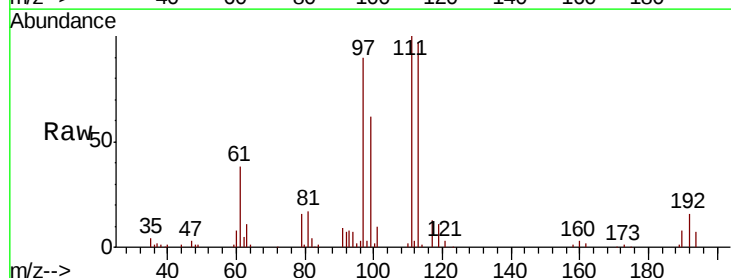


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

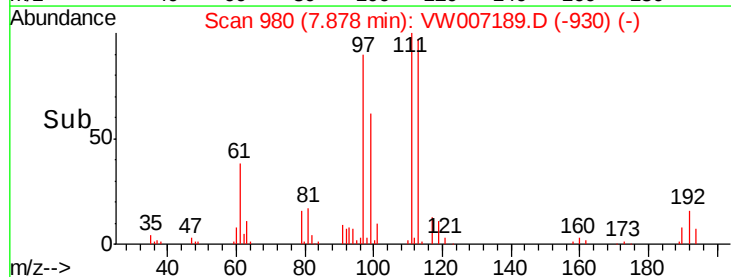
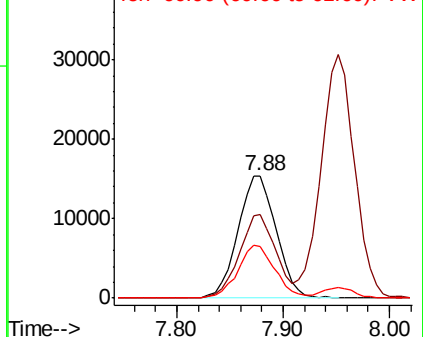


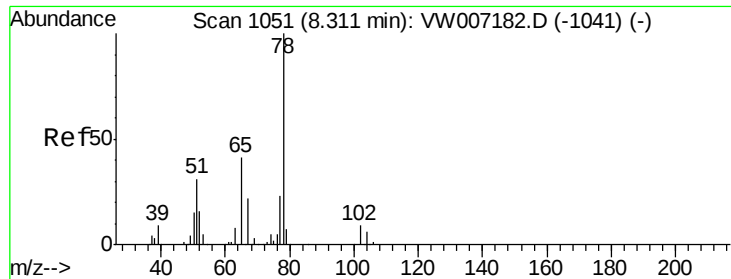
#32
1,1,1-Trichloroethane
Concen: 19.806 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 97 Resp: 38797
Ion Ratio Lower Upper
97 100
99 65.2 51.3 76.9
61 42.1 33.2 49.8



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

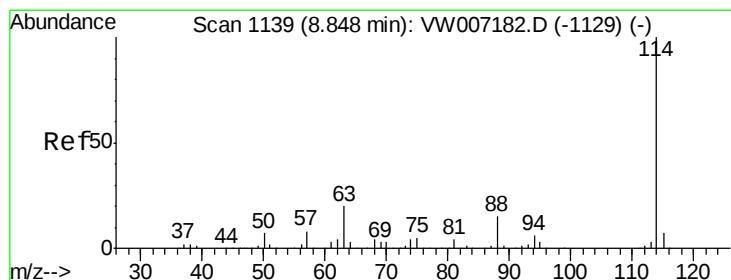
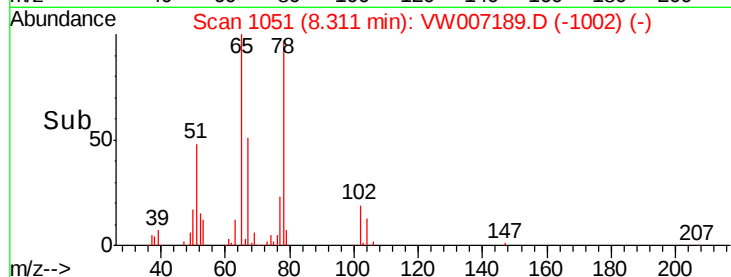
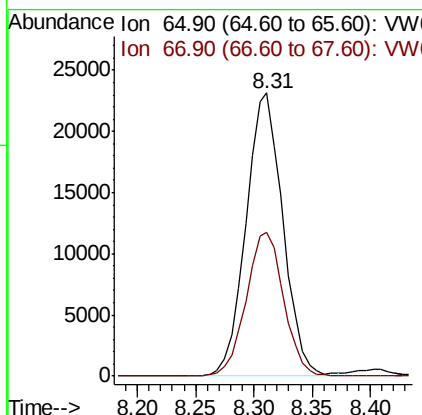
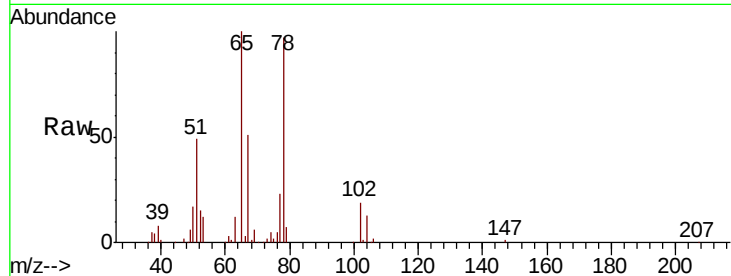




#33
 1,2-Dichloroethane-d4
 Concen: 48.336 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

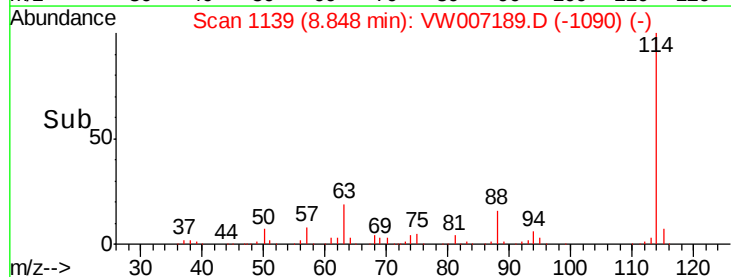
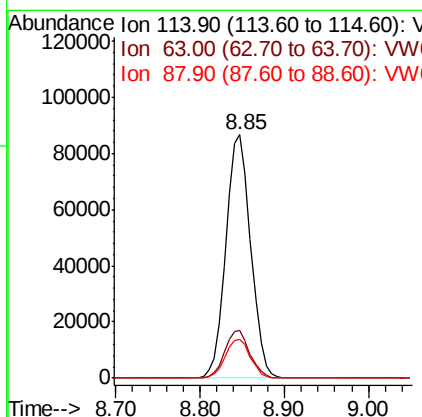
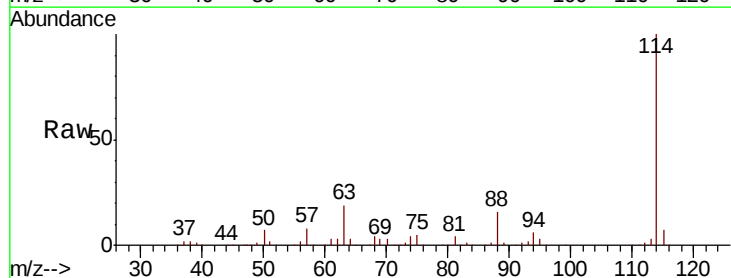
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

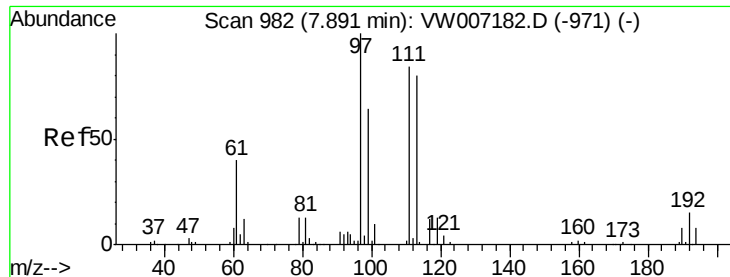
Tot Ion: 65 Resp: 51042
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Tgt Ion: 114 Resp: 174769
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.2
 88 15.9 0.0 30.0

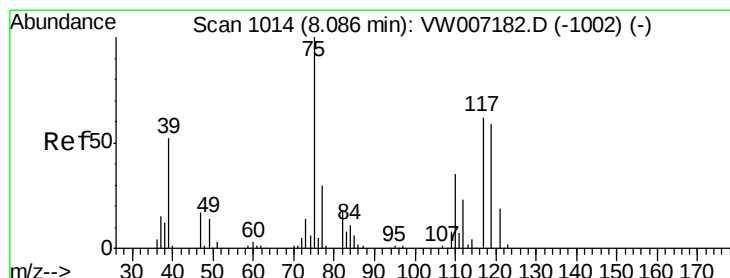
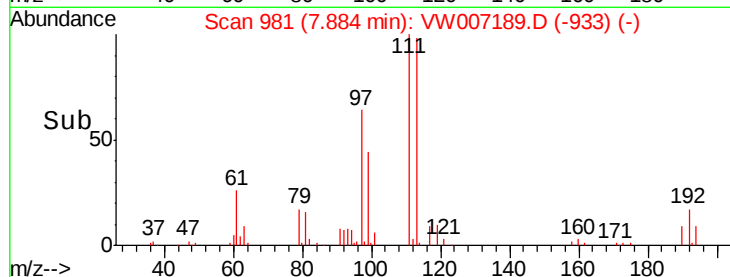
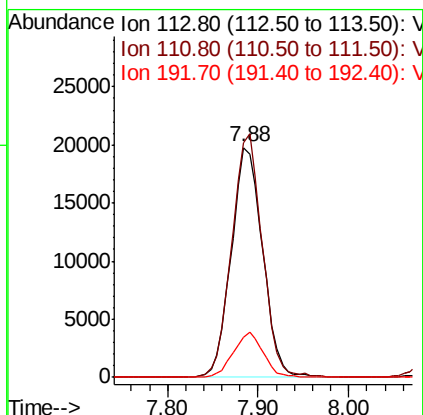
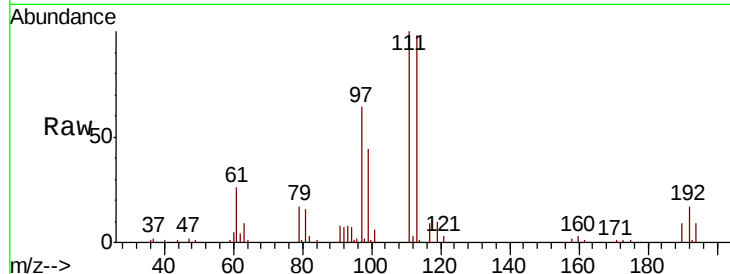




#35
 Dibromofluoromethane
 Concen: 47.441 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

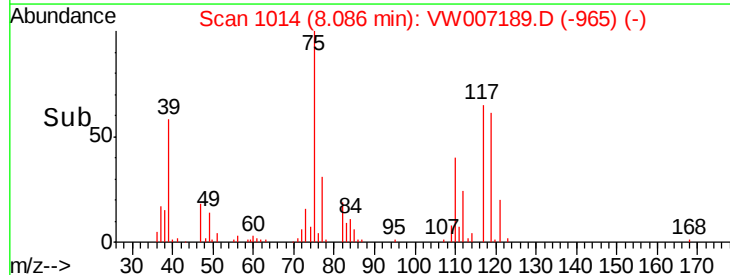
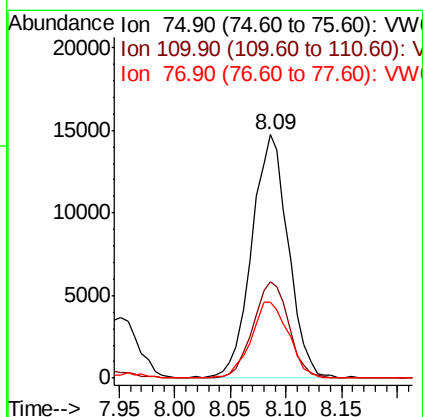
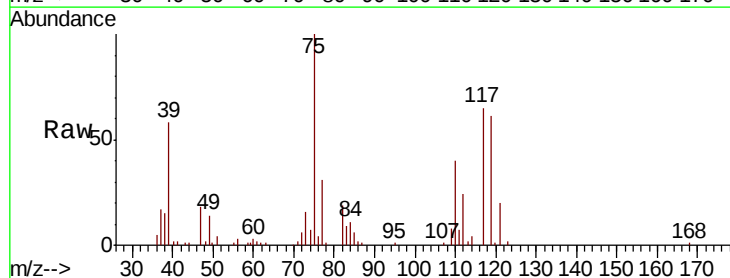
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

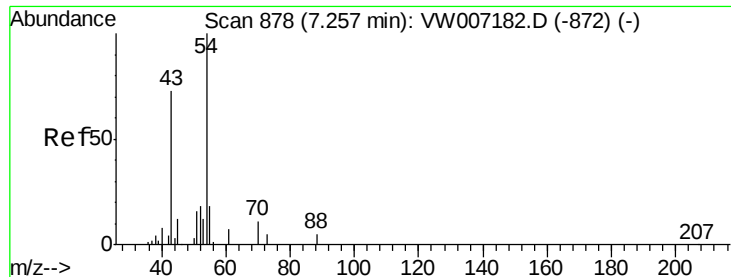
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	18.6	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 19.812 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	18.3	54.9
77	32.0	24.9	37.3

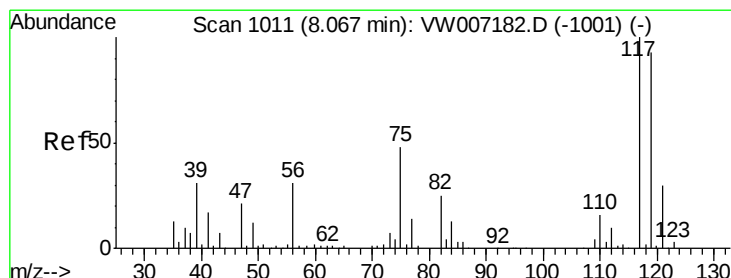
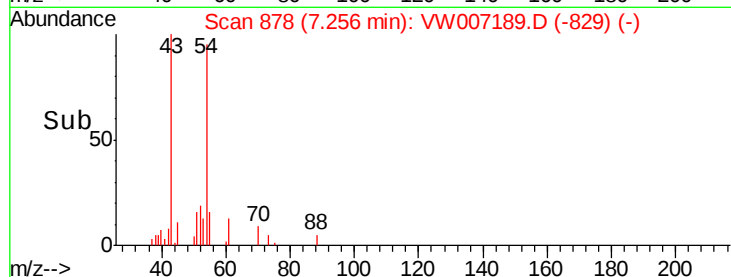
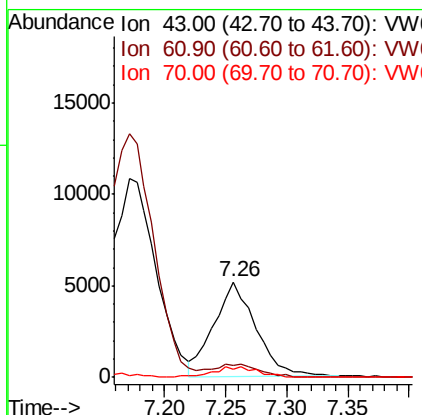
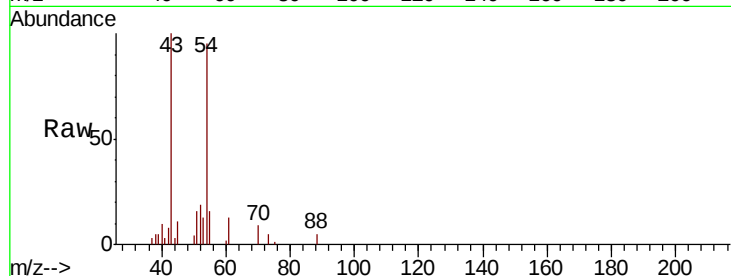




#37
Ethyl Acetate
Concen: 20.178 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

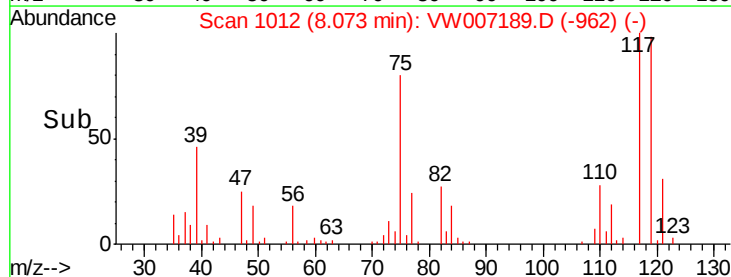
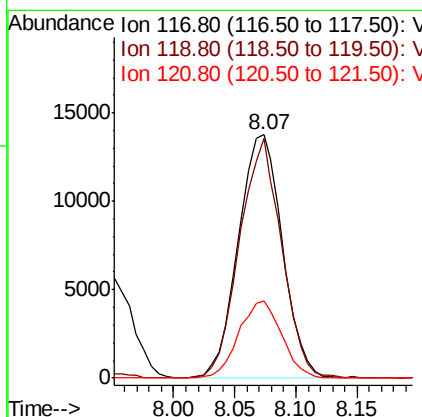
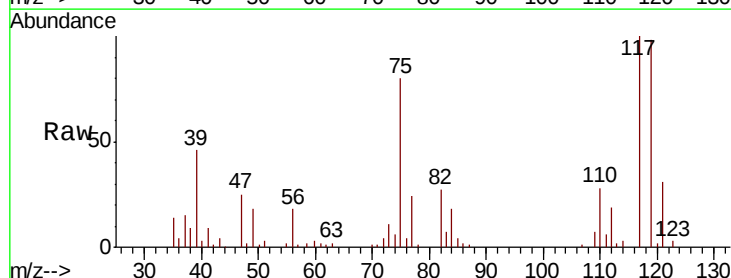
Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

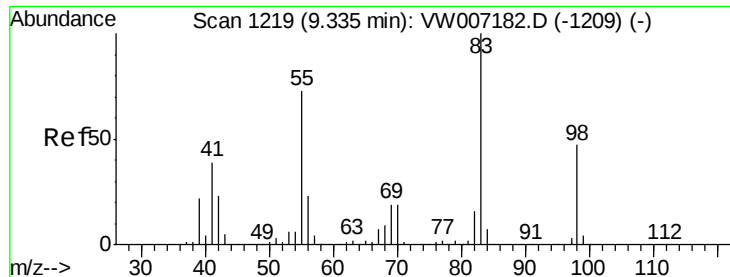
Tot Ion: 43 Resp: 12412
Ion Ratio Lower Upper
43 100
61 13.1 12.1 18.1
70 11.5 9.1 13.7



#38
Carbon Tetrachloride
Concen: 19.857 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 117 Resp: 34466
Ion Ratio Lower Upper
117 100
119 98.3 74.1 111.1
121 31.5 23.9 35.9

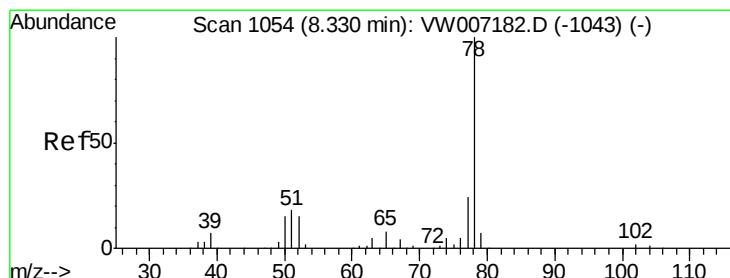
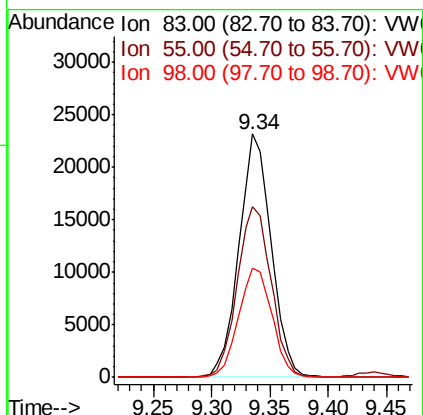
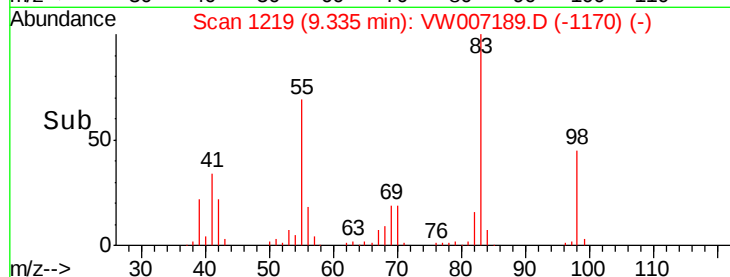
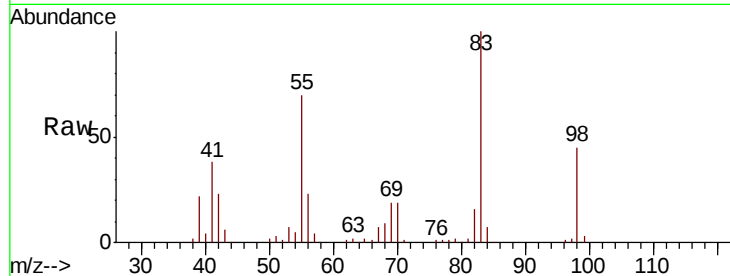




#39
Methvlcvclohexane
Concen: 19.689 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

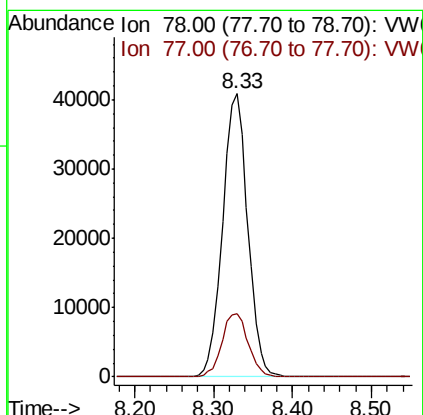
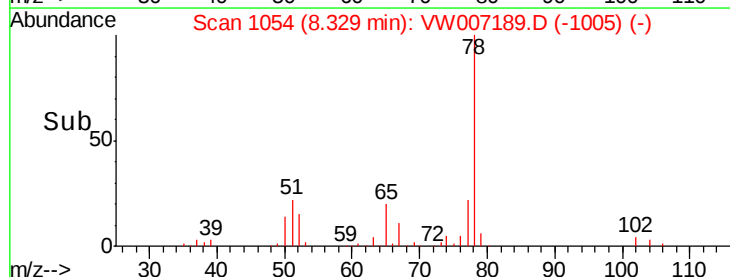
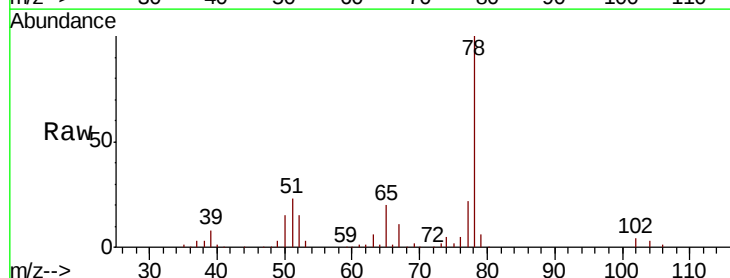
Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

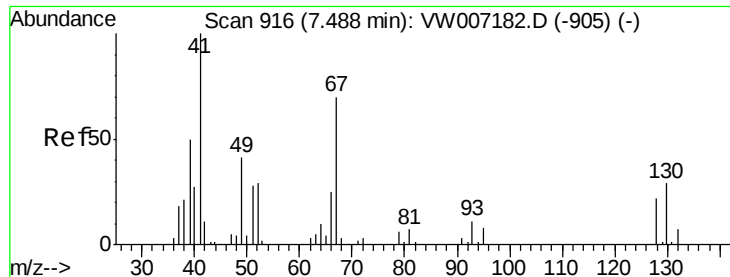
Tot Ion: 83 Resp: 44822
Ion Ratio Lower Upper
83 100
55 70.0 58.1 87.1
98 44.6 37.3 55.9



#40
Benzene
Concen: 19.472 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 78 Resp: 90799
Ion Ratio Lower Upper
78 100
77 22.4 18.9 28.3

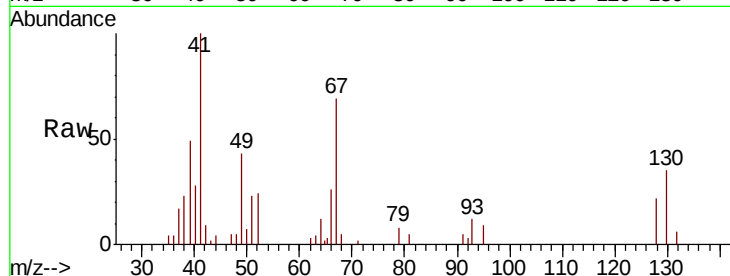




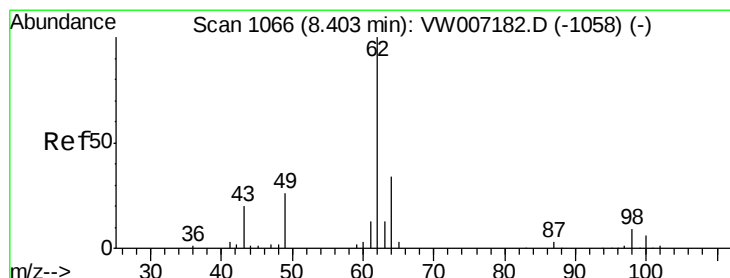
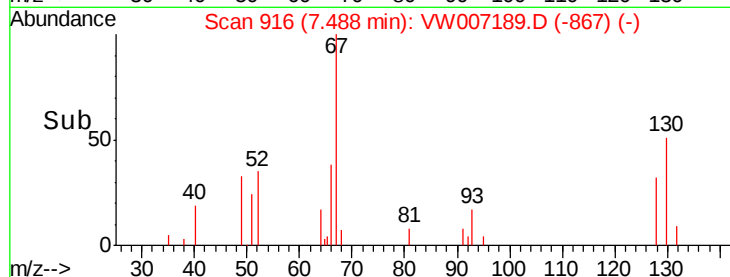
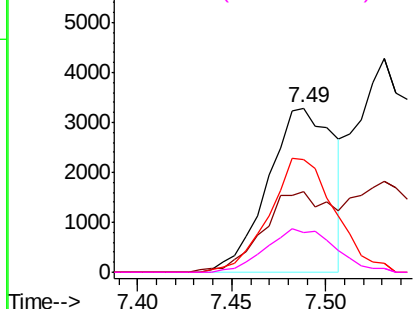
#41
Methacrylonitrile
Concen: 21.724 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

Tot Ion:	41	Resp:	8004
Ion	Ratio	Lower	Upper
41	100		
39	51.2	43.4	65.0
67	68.8	57.4	86.0
52	27.6	23.3	34.9

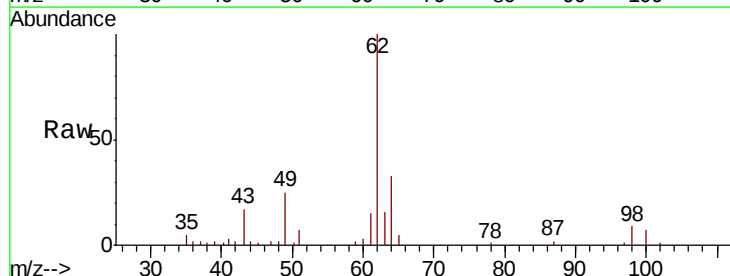


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

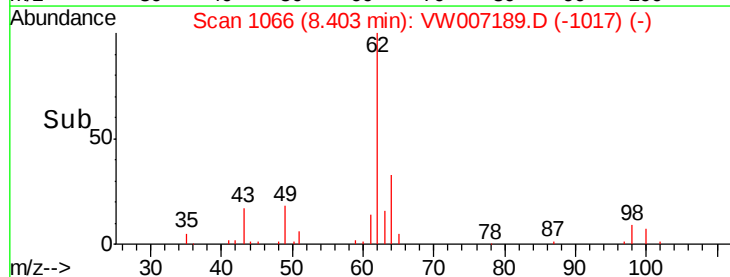
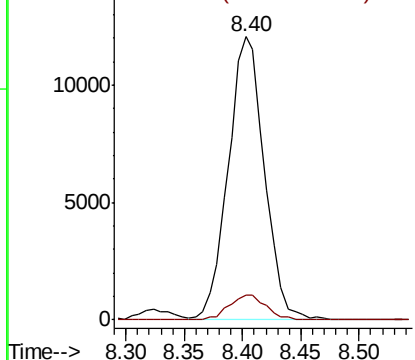


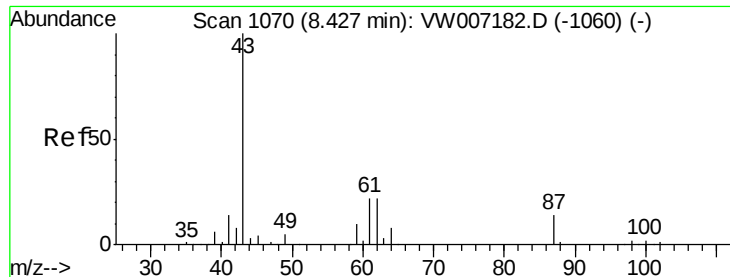
#42
1,2-Dichloroethane
Concen: 19.979 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion:	62	Resp:	26037
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 19.795 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

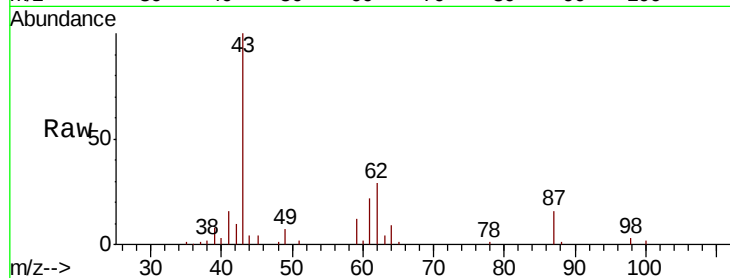
Tot Ion: 43 Resp: 23649

Ion Ratio Lower Upper

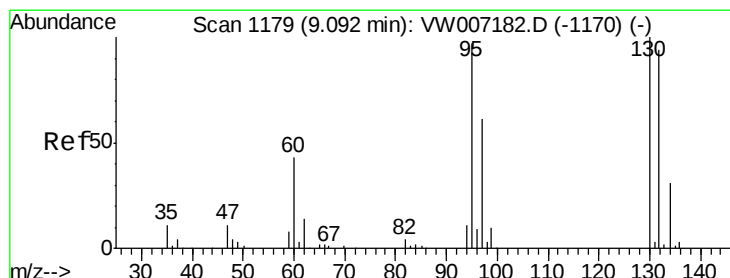
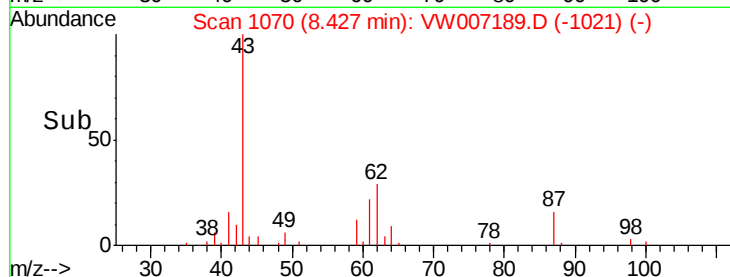
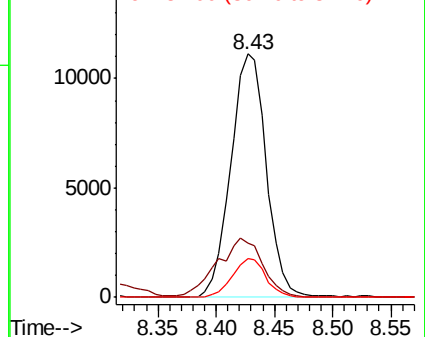
43 100

61 31.2 25.4 38.0

87 15.1 11.4 17.0



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: 20.297 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007189.D

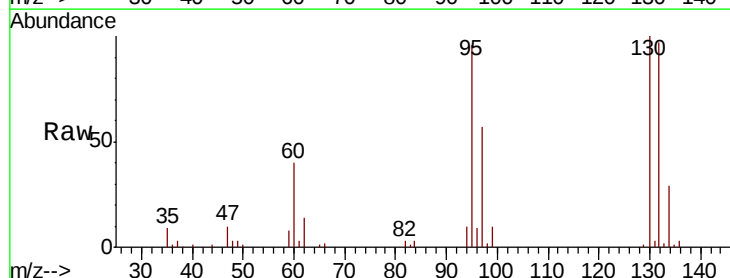
Acq: 04 Dec 2018 16:05

Tgt Ion: 130 Resp: 26604

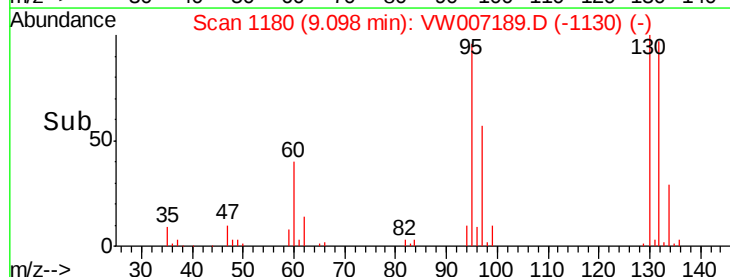
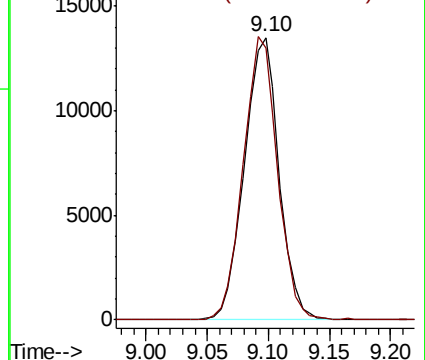
Ion Ratio Lower Upper

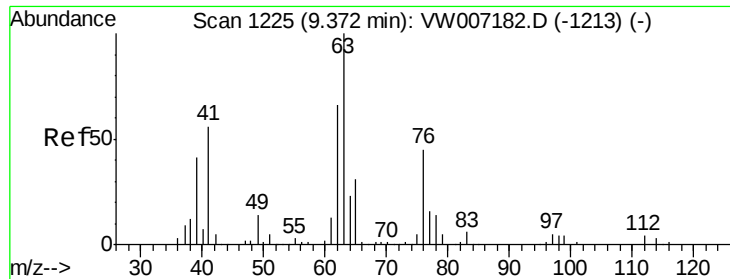
130 100

95 96.3 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

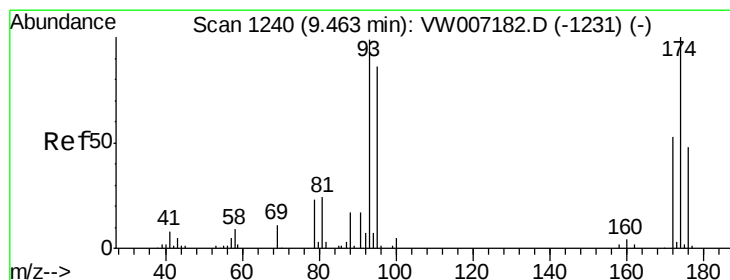
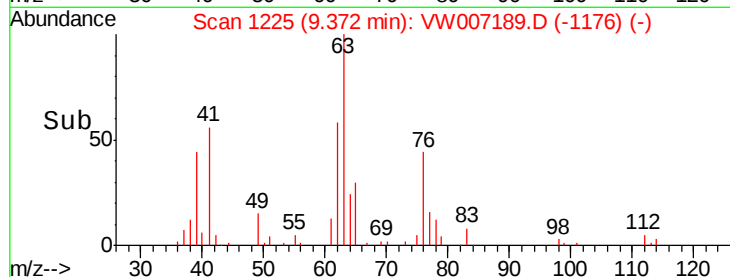
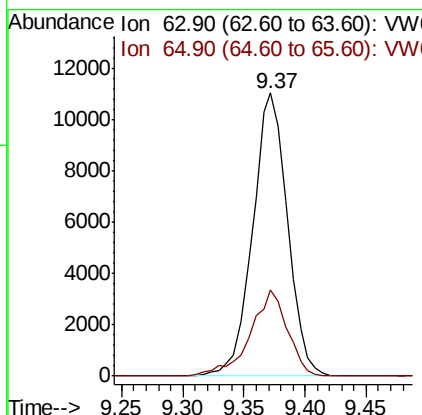
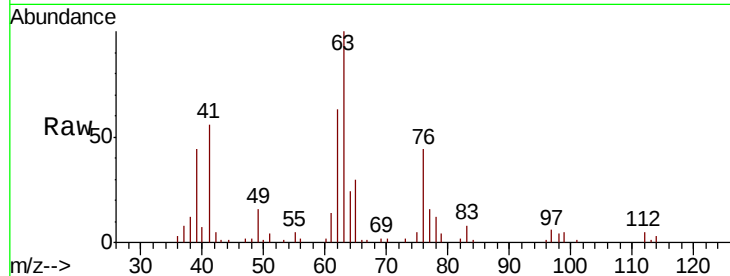




#45
 1,2-Dichloropropane
 Concen: 20.192 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

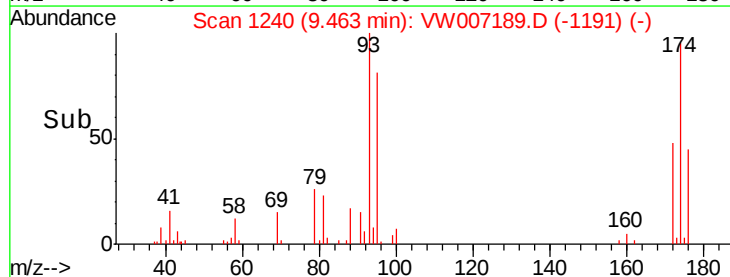
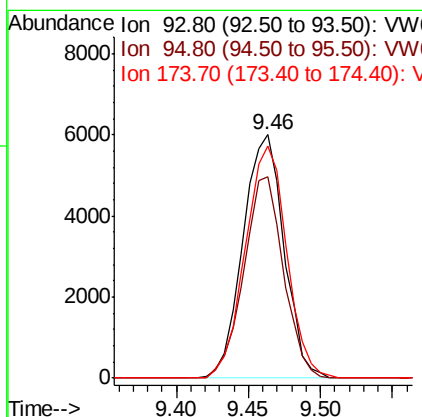
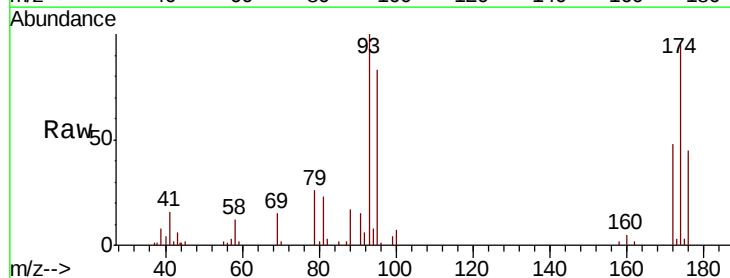
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

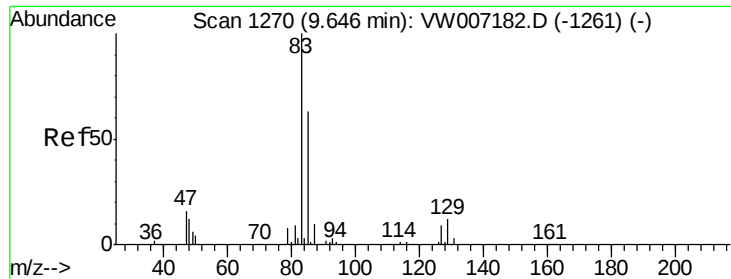
Tot Ion: 63 Resp: 21911
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4



#46
 Dibromomethane
 Concen: 20.978 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Tgt Ion: 93 Resp: 11829
 Ion Ratio Lower Upper
 93 100
 95 79.9 68.7 103.1
 174 96.3 82.9 124.3

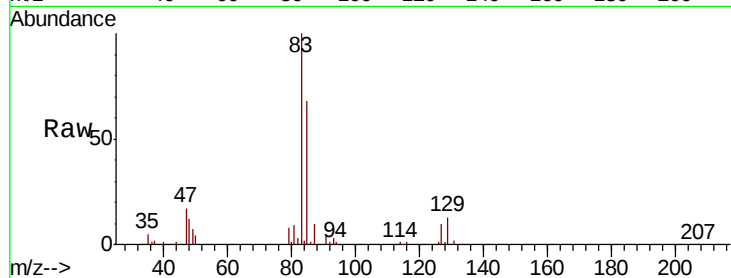




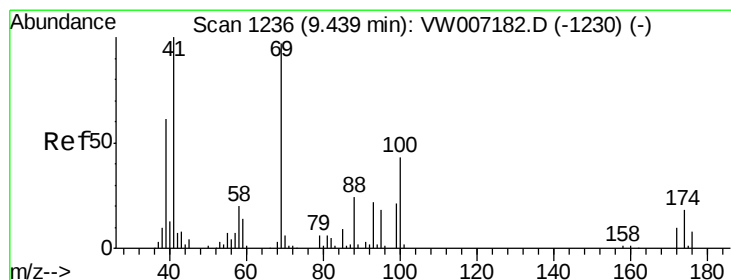
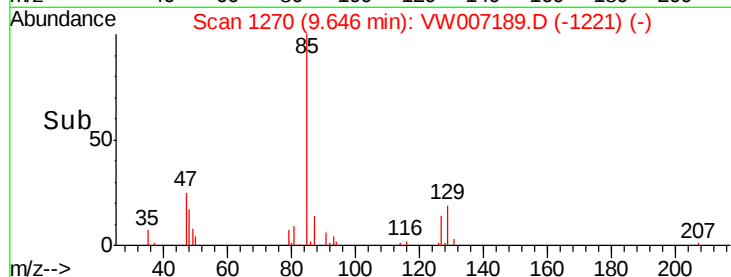
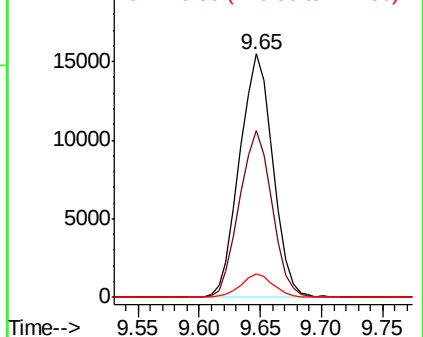
#47
Bromodichloromethane
Concen: 19.752 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

Tot Ion: 83 Resp: 29296
Ion Ratio Lower Upper
83 100
85 68.3 50.6 76.0
127 9.7 7.3 10.9

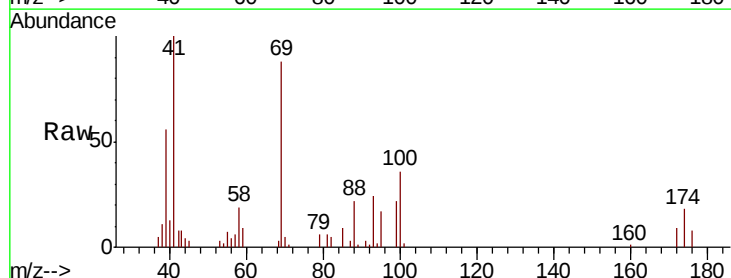


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

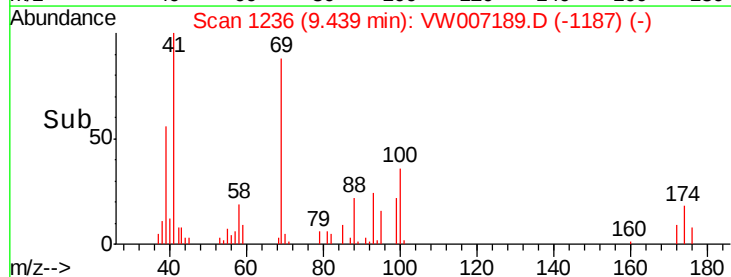
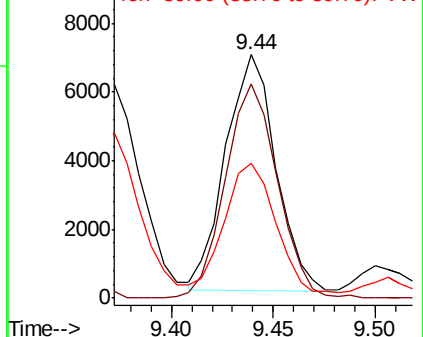


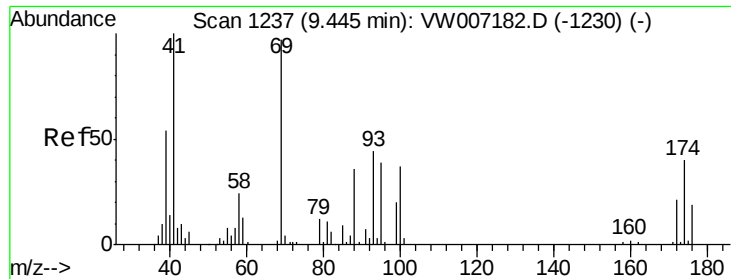
#48
Methyl methacrylate
Concen: 18.943 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 41 Resp: 11746
Ion Ratio Lower Upper
41 100
69 94.4 69.6 104.4
39 55.9 42.4 63.6



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

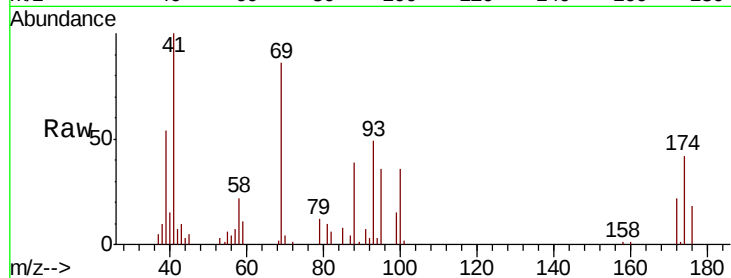




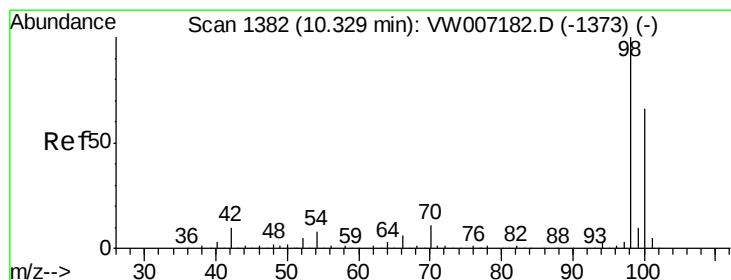
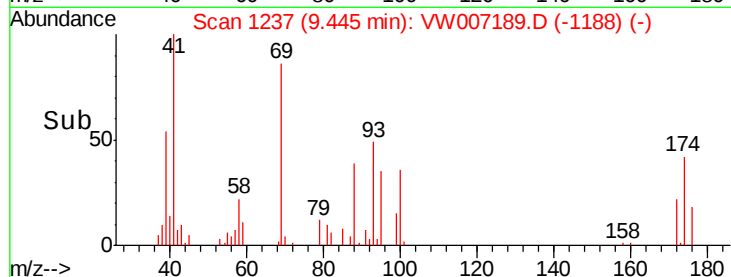
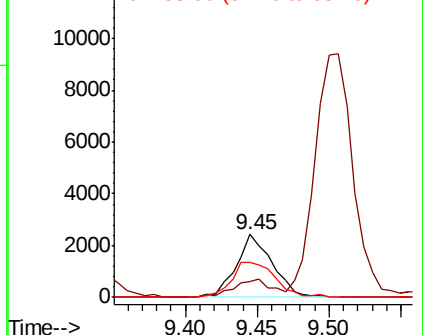
#49
1,4-Dioxane
Concen: 430.145 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

Tot Ion: 88 Resp: 4237
Ion Ratio Lower Upper
88 100
43 31.0 25.8 38.8
58 68.3 58.9 88.3

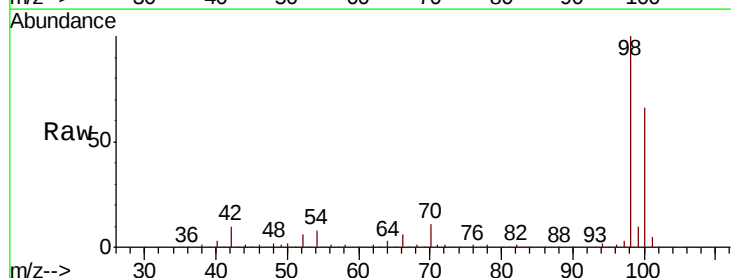


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

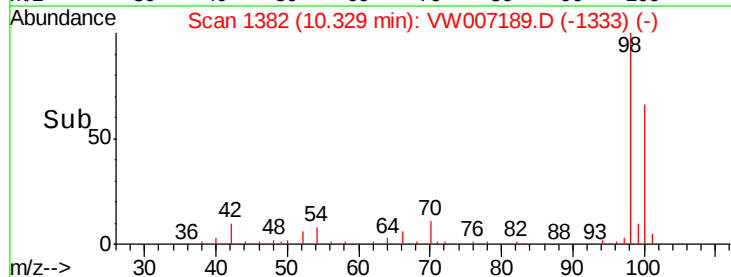
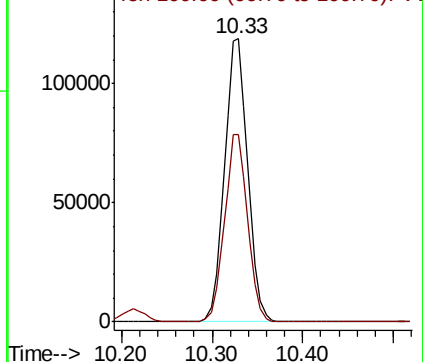


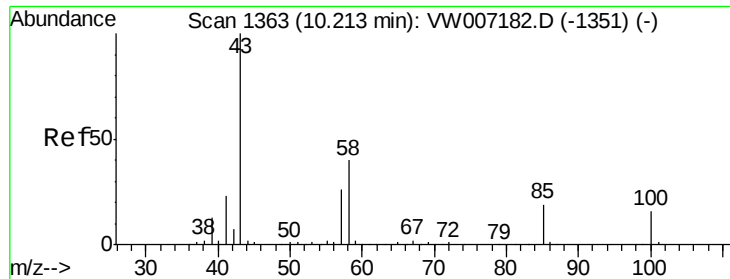
#50
Toluene-d8
Concen: 48.227 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 98 Resp: 212591
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 98.381 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

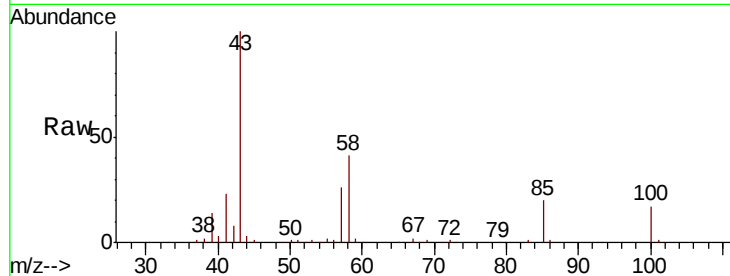
VW1204SBSD01

Tot Ion: 43 Resp: 57922

Ion Ratio Lower Upper

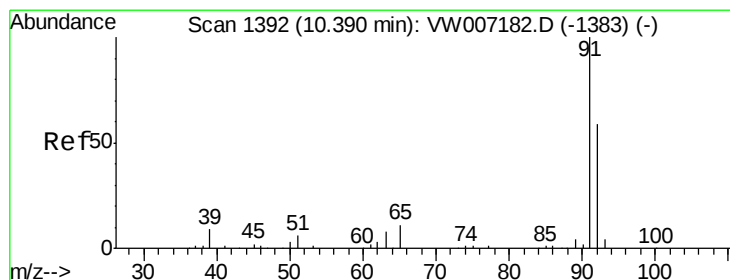
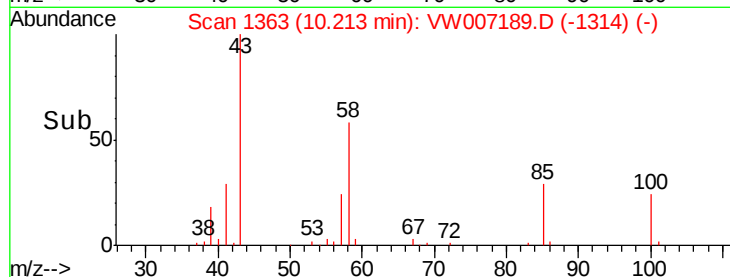
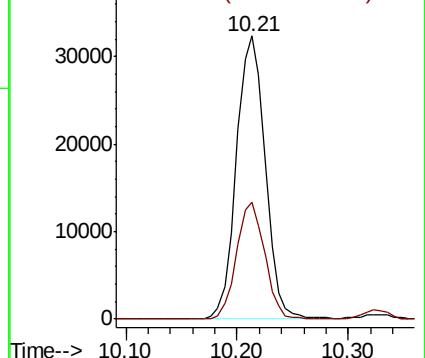
43 100

58 40.5 32.3 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.987 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007189.D

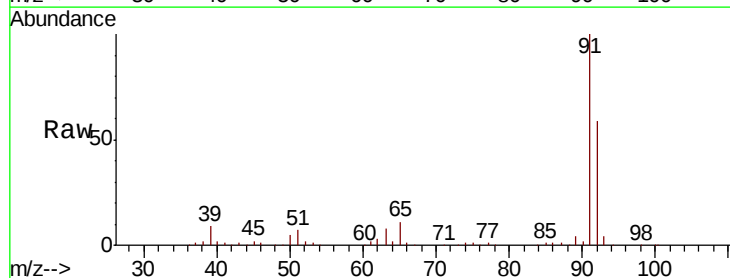
Acq: 04 Dec 2018 16:05

Tgt Ion: 92 Resp: 64833

Ion Ratio Lower Upper

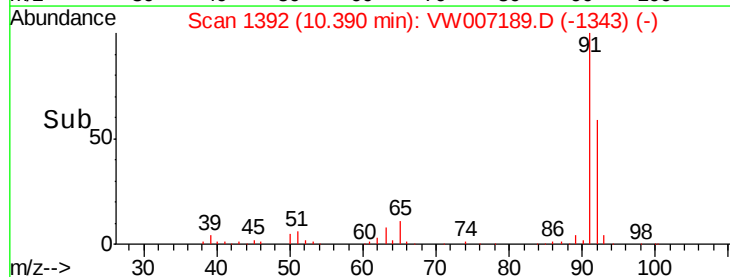
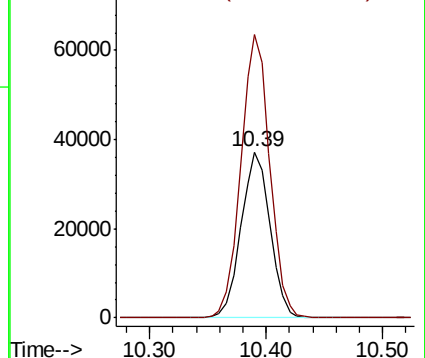
92 100

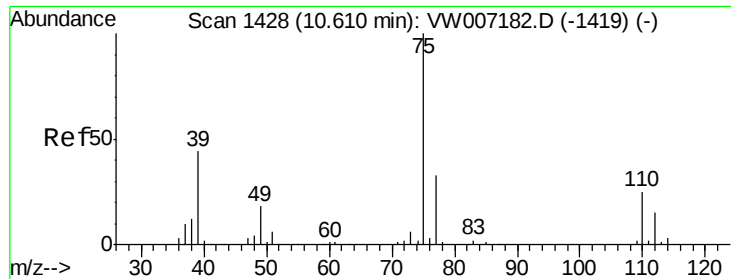
91 169.4 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

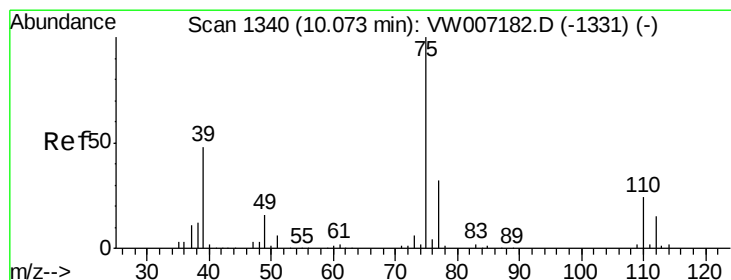
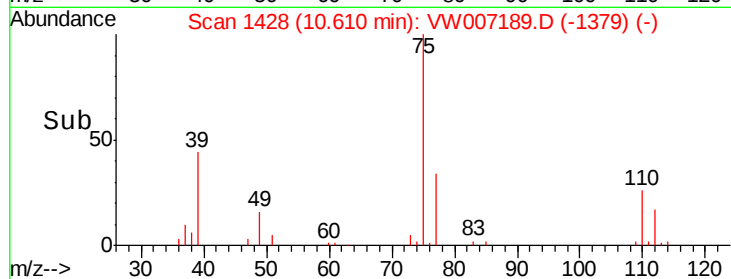
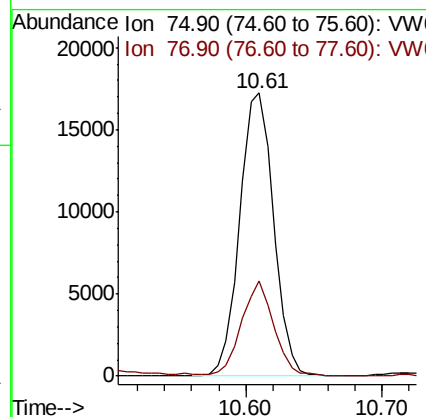
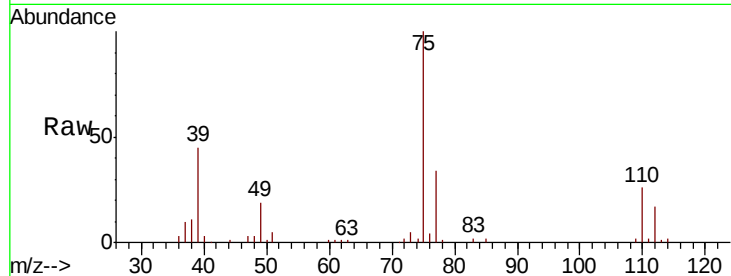




#53
t-1,3-Dichloropropene
Concen: 20.102 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

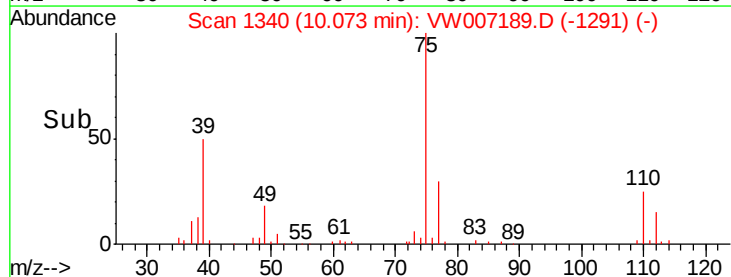
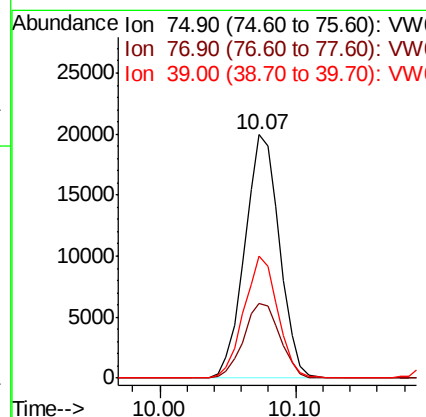
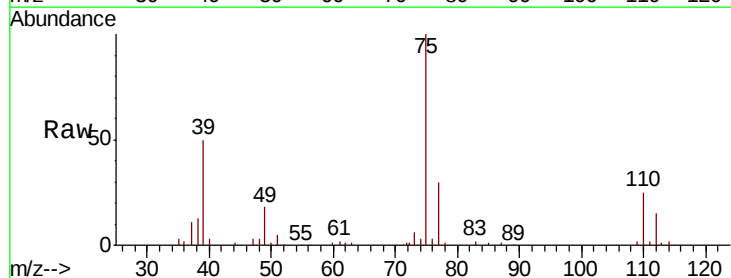
Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

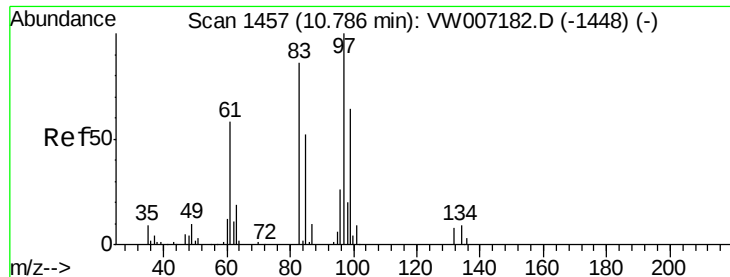
Tot Ion: 75 Resp: 29976
Ion Ratio Lower Upper
75 100
77 33.2 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 20.365 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 75 Resp: 35589
Ion Ratio Lower Upper
75 100
77 30.5 26.0 39.0
39 50.1 38.0 57.0





#55

1,1,2-Trichloroethane

Concen: 19.637 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

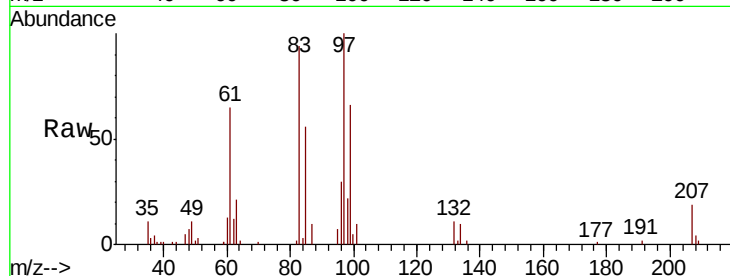
MSVOA_W

ClientSampleId :

VW1204SBSD01

Tot Ion: 97 Resp: 15750

Ion	Ratio	Lower	Upper
97	100		
83	94.0	68.6	102.8
85	56.2	41.4	62.2
99	65.8	51.2	76.8



Abundance

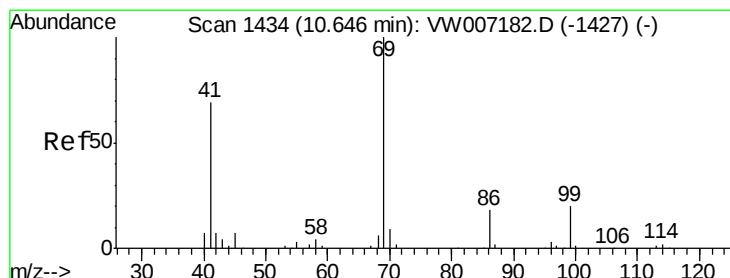
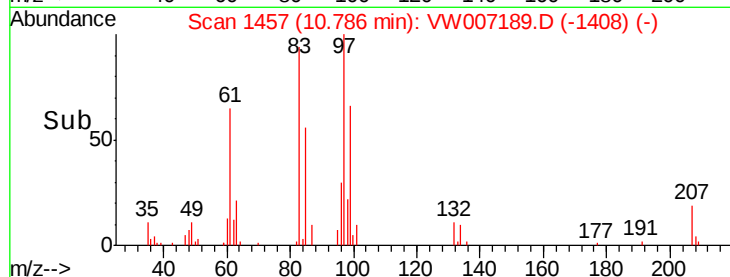
Ion 96.90 (96.60 to 97.60): VW

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

Time-->



#56

Ethyl methacrylate

Concen: 19.830 ug/l

RT: 10.65 min Scan# 1434

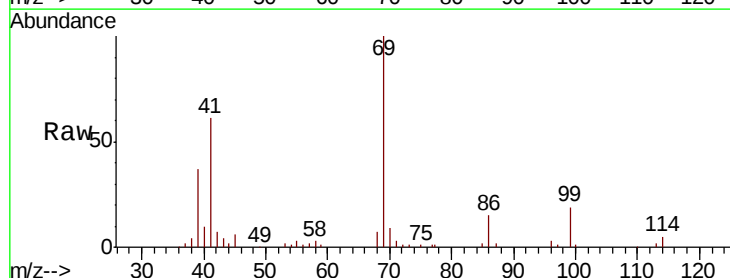
Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Tgt Ion: 69 Resp: 20747

Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.8	77.6
39	31.3	28.7	43.1



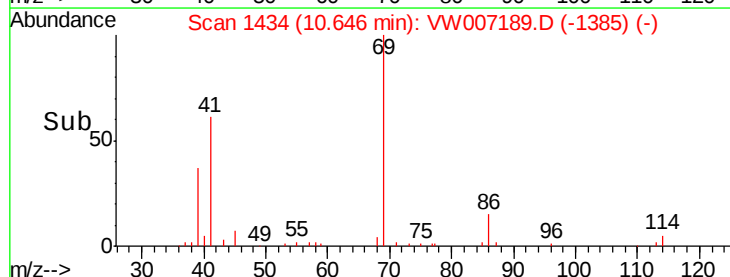
Abundance

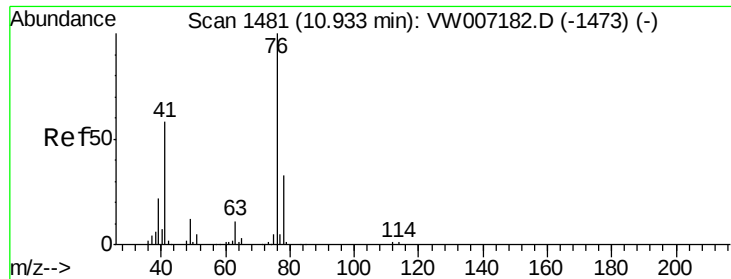
Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

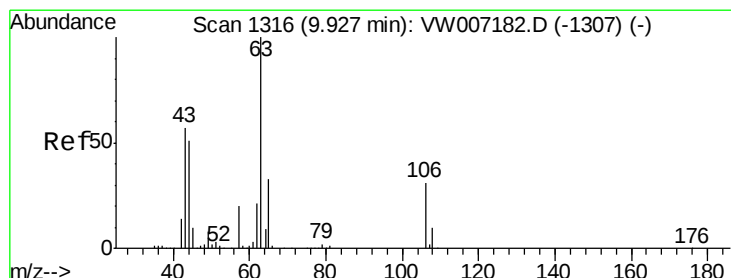
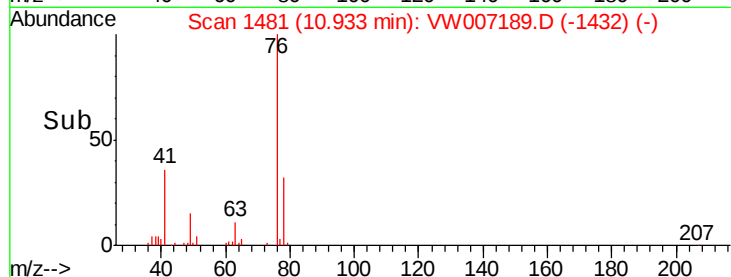
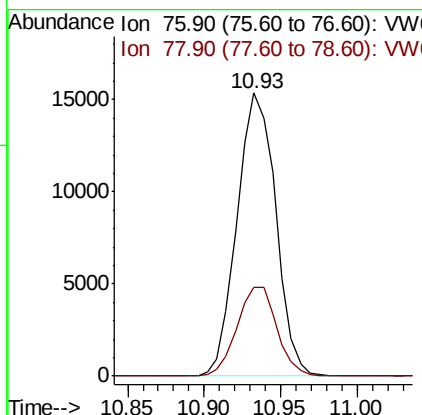
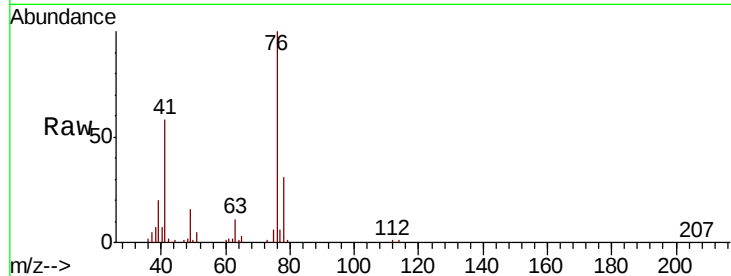




#57
 1,3-Dichloropropane
 Concen: 19.999 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

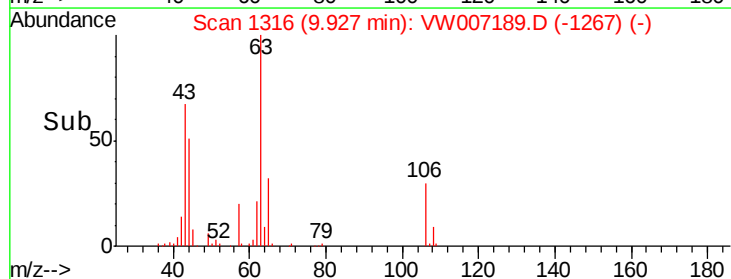
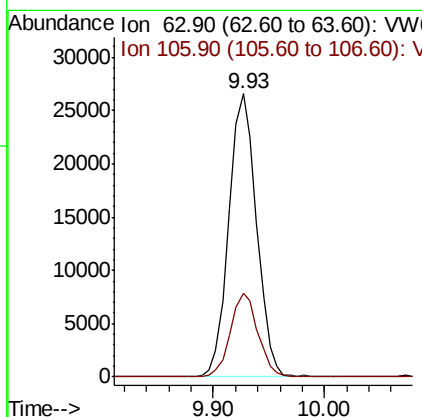
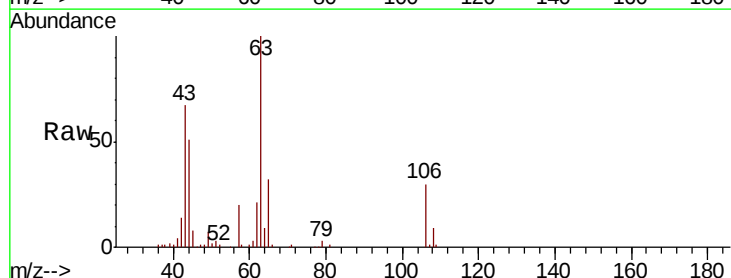
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

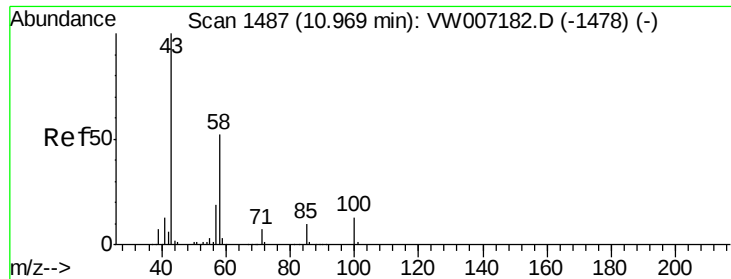
Tot Ion: 76 Resp: 27081
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.099 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Tgt Ion: 63 Resp: 45847
 Ion Ratio Lower Upper
 63 100
 106 29.2 24.1 36.1

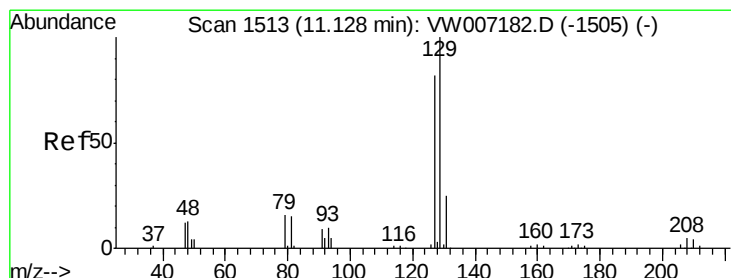
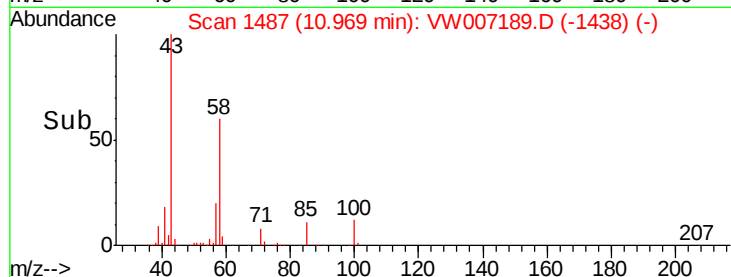
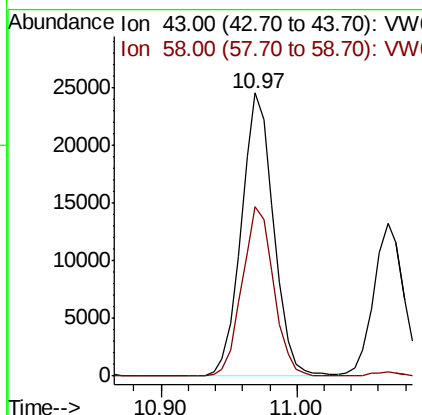
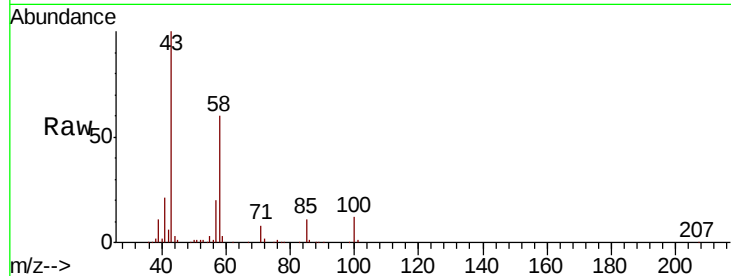




#59
2-Hexanone
Concen: 95.217 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

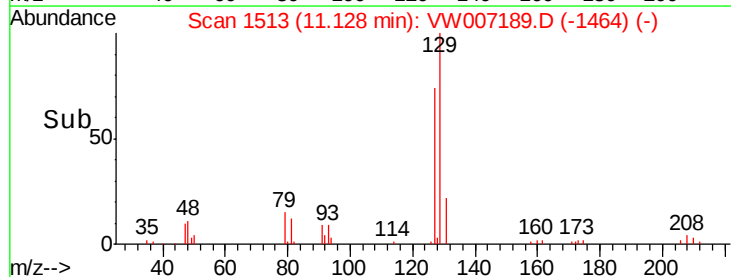
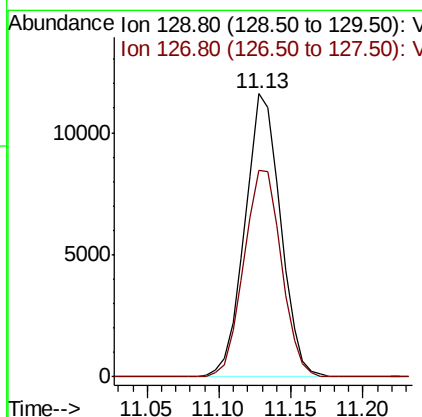
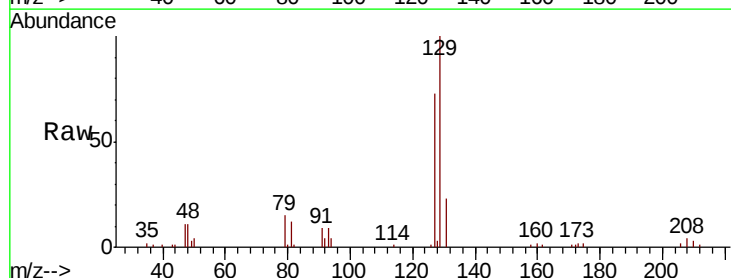
Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

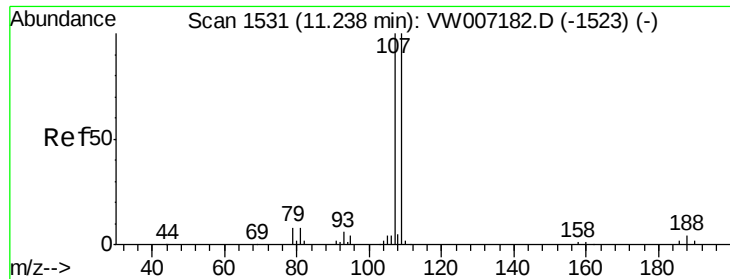
Tot Ion: 43 Resp: 40638
Ion Ratio Lower Upper
43 100
58 58.6 28.1 84.4



#60
Dibromochloromethane
Concen: 20.163 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 129 Resp: 19876
Ion Ratio Lower Upper
129 100
127 76.7 39.8 119.4





#61

1,2-Dibromoethane

Concen: 20.128 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

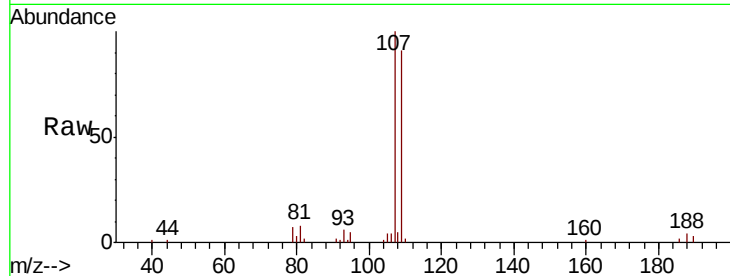
VW1204SBSD01

Tot Ion:107 Resp: 15484

Ion Ratio Lower Upper

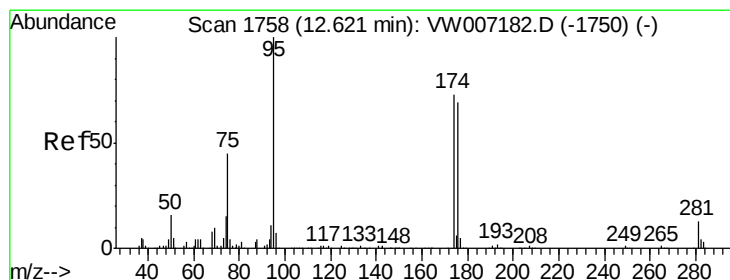
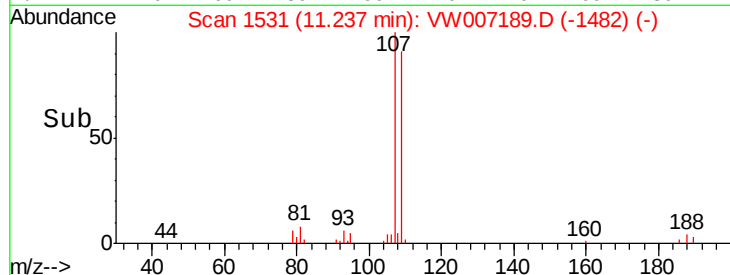
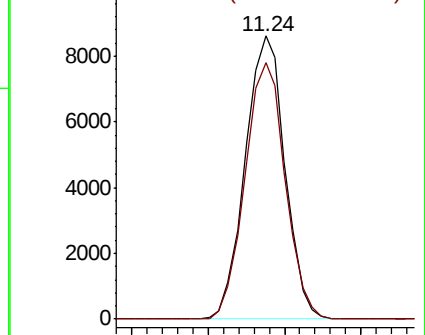
107 100

109 92.0 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.354 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

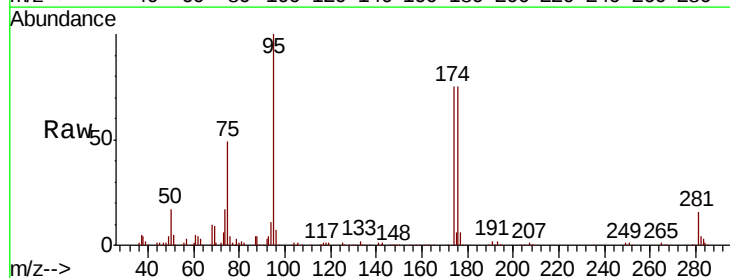
Tgt Ion: 95 Resp: 77125

Ion Ratio Lower Upper

95 100

174 76.3 0.0 148.0

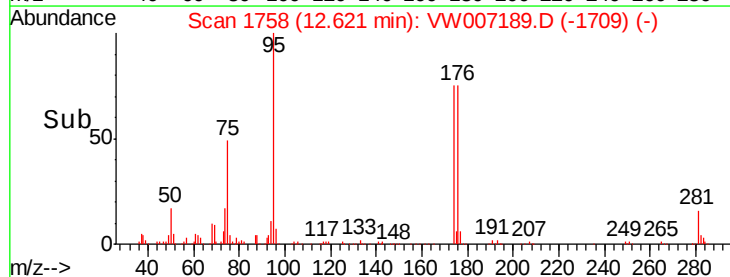
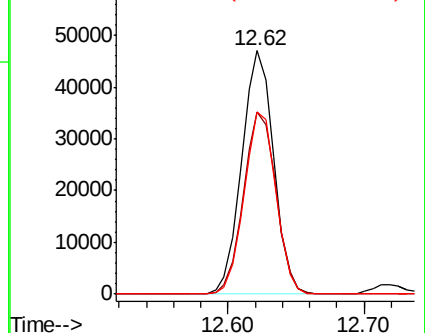
176 74.6 0.0 139.4

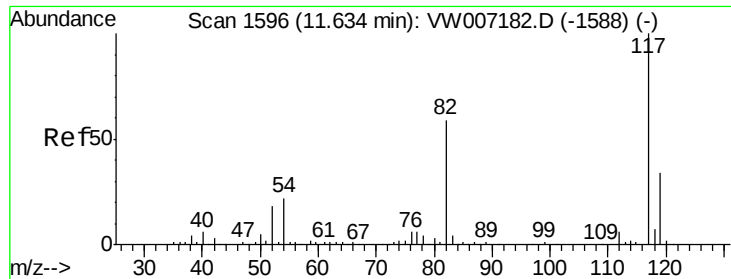


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

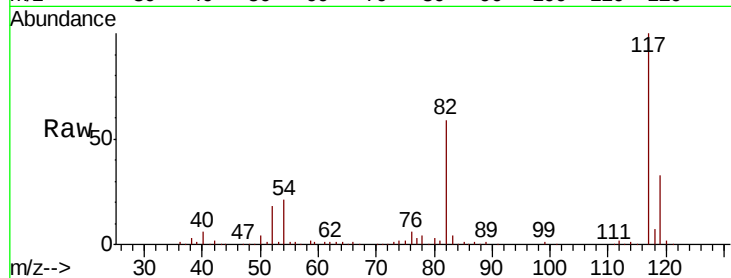




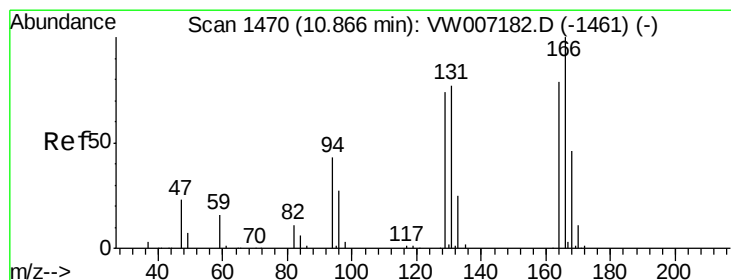
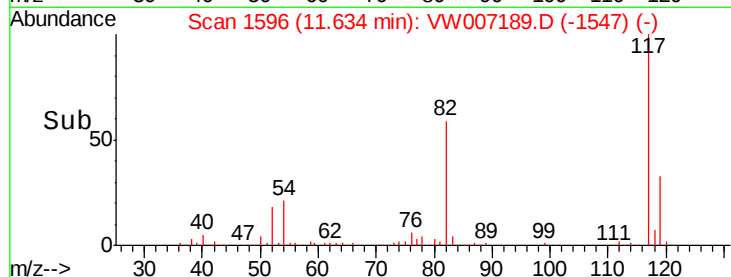
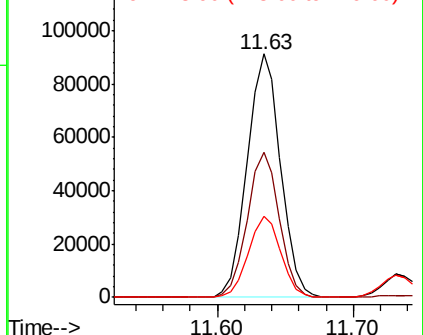
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

Tot Ion:117 Resp: 156433
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 33.3 26.8 40.2

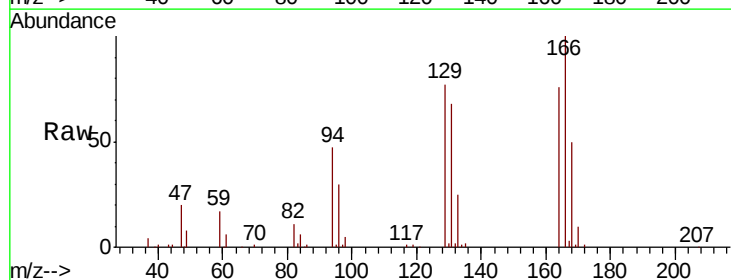


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

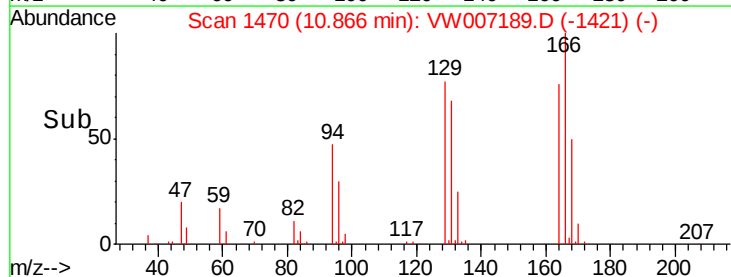
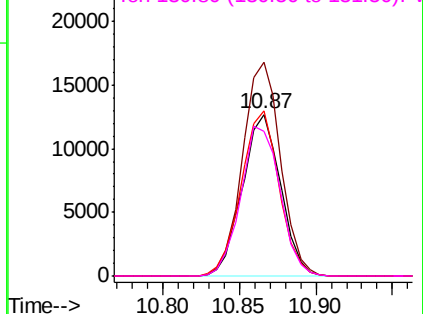


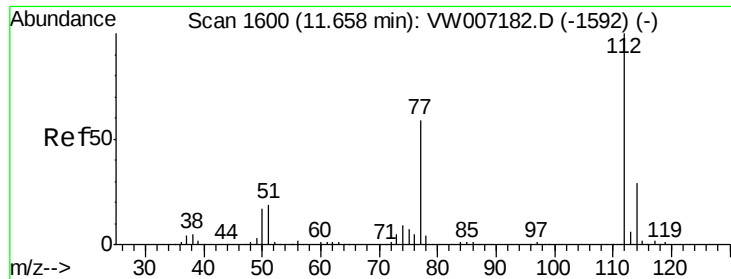
#64
Tetrachloroethene
Concen: 19.378 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion:164 Resp: 22148
Ion Ratio Lower Upper
164 100
166 132.0 101.0 151.4
129 102.1 74.6 111.8
131 89.7 77.6 116.4



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

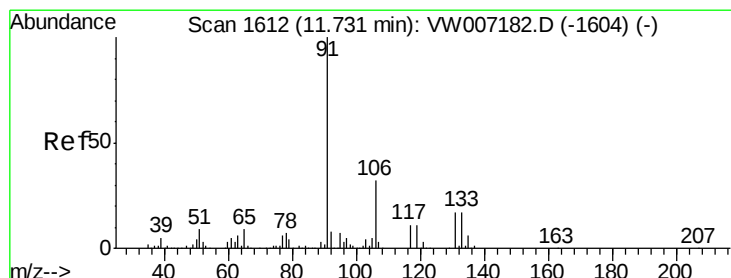
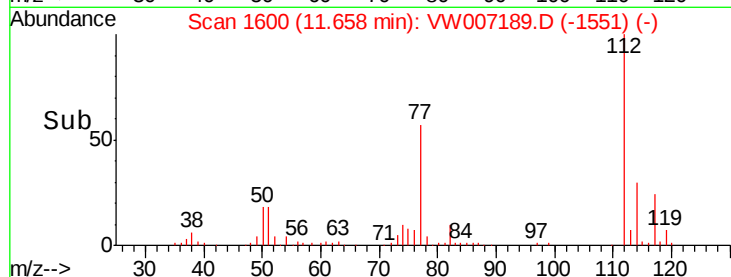
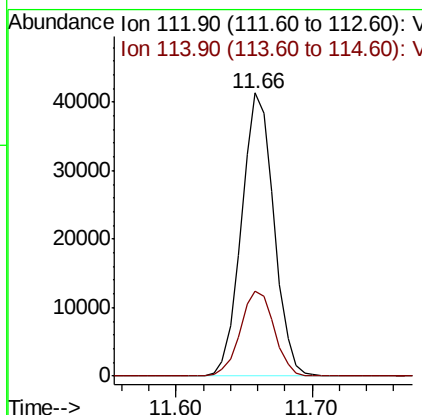
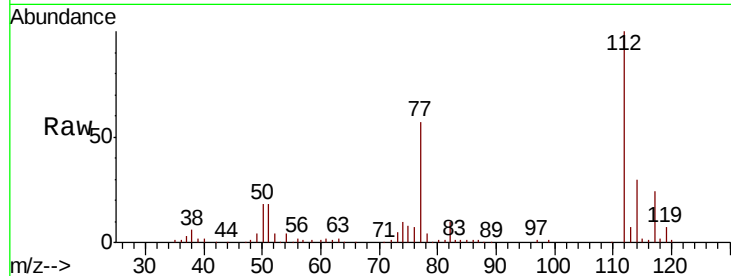




#65
Chlorobenzene
Concen: 19.687 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

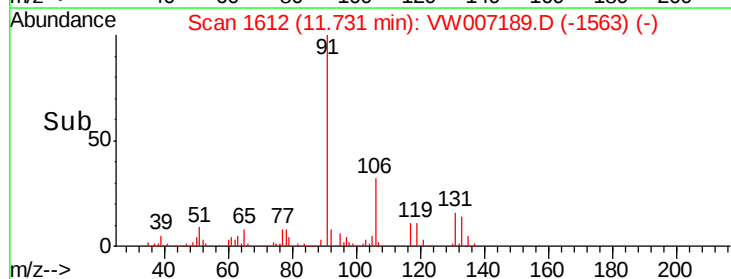
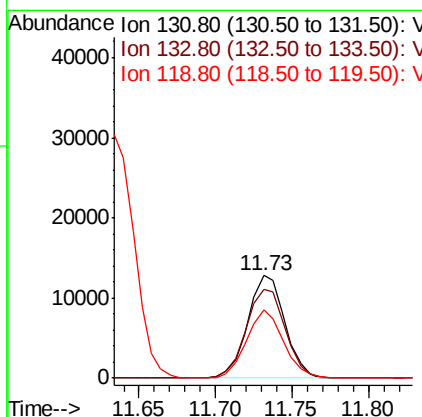
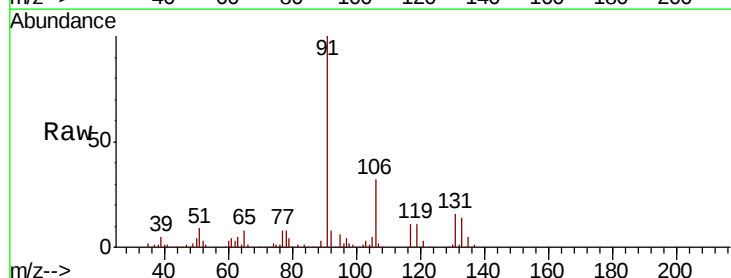
Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

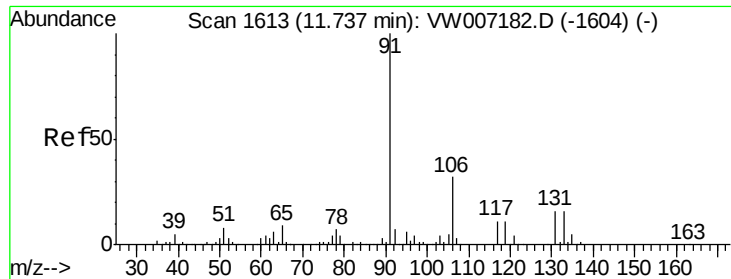
Tot Ion:112 Resp: 68780
Ion Ratio Lower Upper
112 100
114 29.8 23.0 34.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.973 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion:131 Resp: 21551
Ion Ratio Lower Upper
131 100
133 91.5 48.0 144.2
119 66.0 32.8 98.4

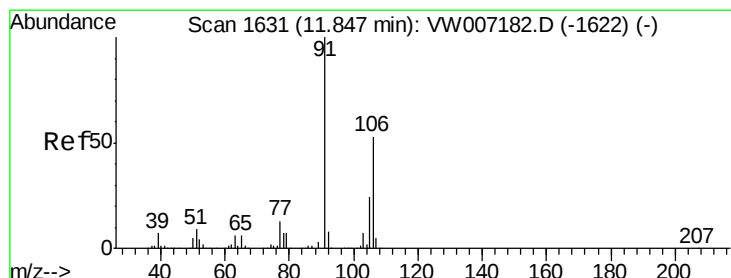
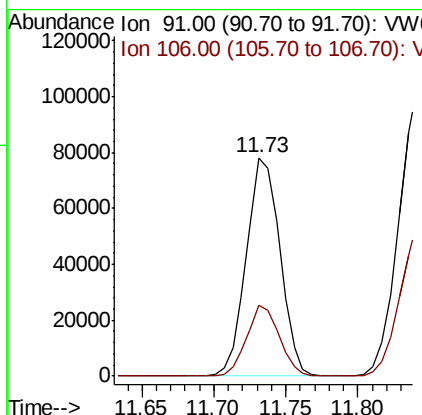
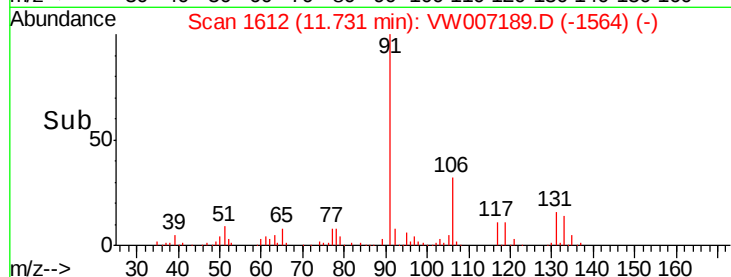
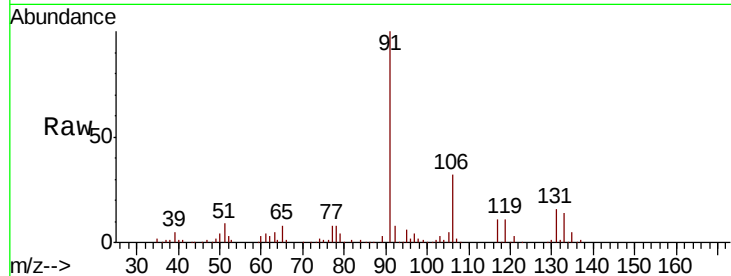




#67
Ethyl Benzene
Concen: 19.845 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

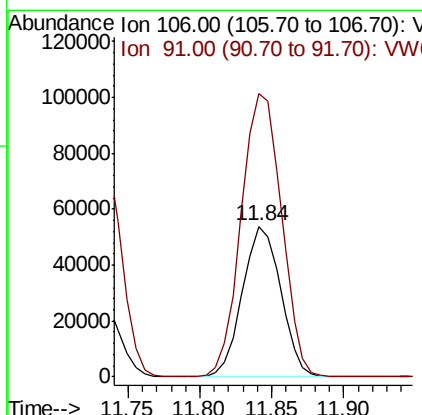
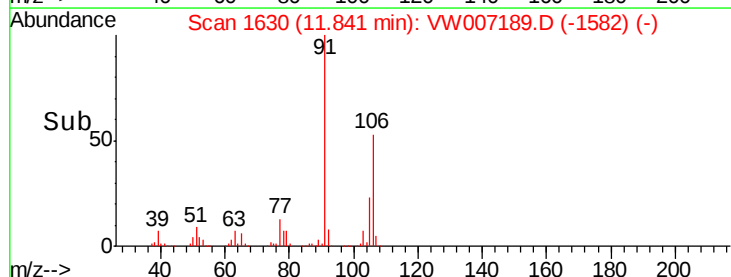
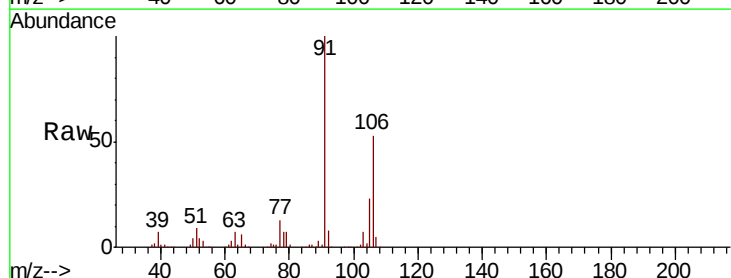
Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

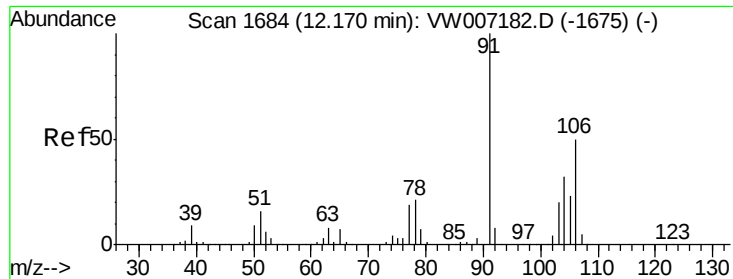
Tot Ion: 91 Resp: 126366
Ion Ratio Lower Upper
91 100
106 32.2 26.0 39.0



#68
m/p-Xylenes
Concen: 39.822 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion: 106 Resp: 99477
Ion Ratio Lower Upper
106 100
91 198.2 160.2 240.4

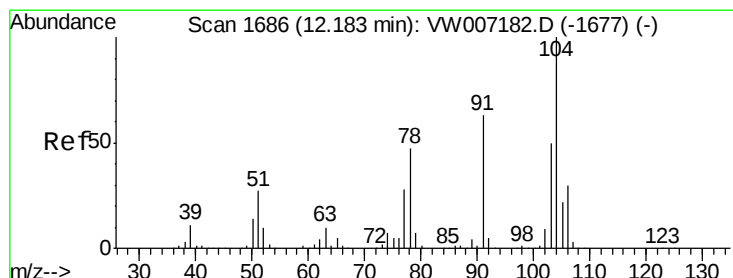
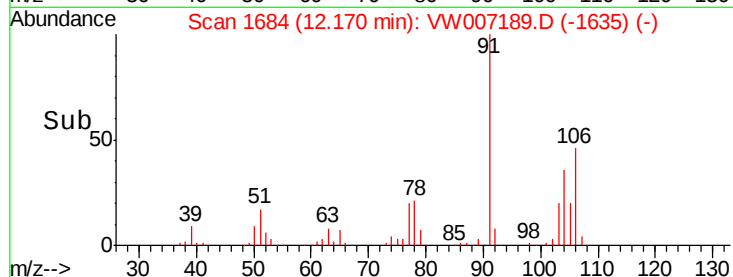
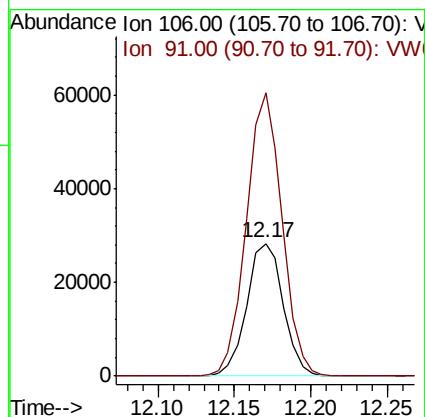
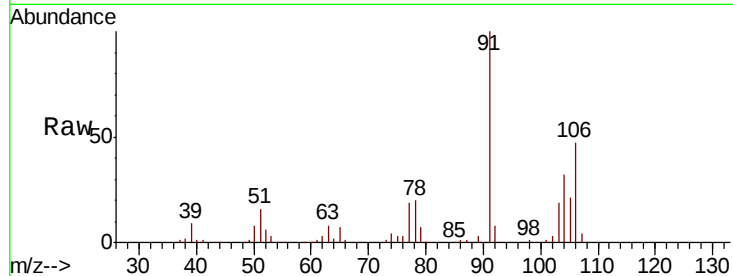




#69
o-Xylene
Concen: 20.051 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

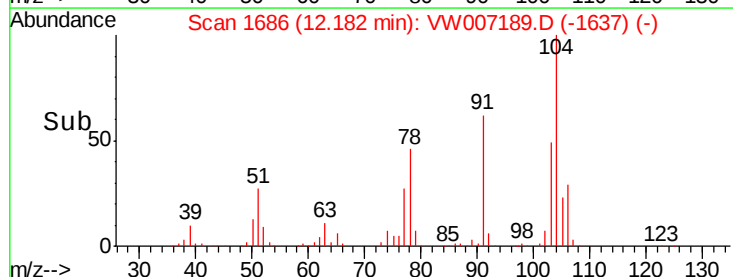
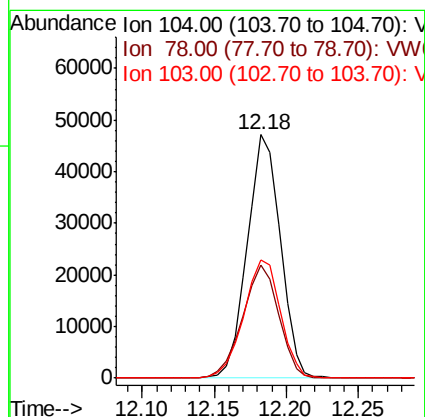
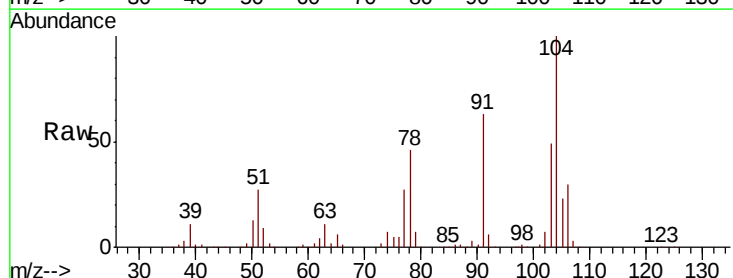
Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

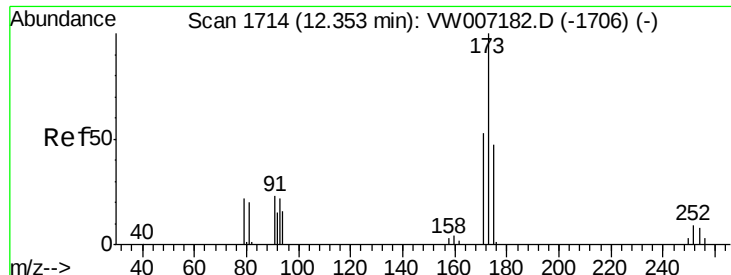
Tot Ion:106 Resp: 46797
Ion Ratio Lower Upper
106 100
91 208.9 104.9 314.7



#70
Styrene
Concen: 19.691 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion:104 Resp: 75230
Ion Ratio Lower Upper
104 100
78 50.5 40.6 60.8
103 54.0 43.0 64.4





#71

Bromoform

Concen: 19.412 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

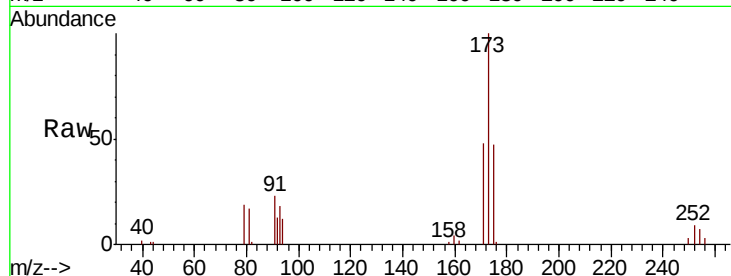
Tot Ion:173 Resp: 10485

Ion Ratio Lower Upper

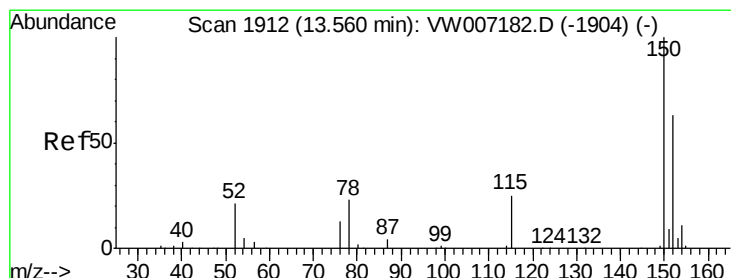
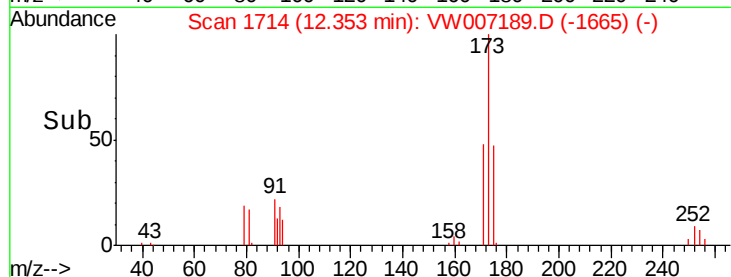
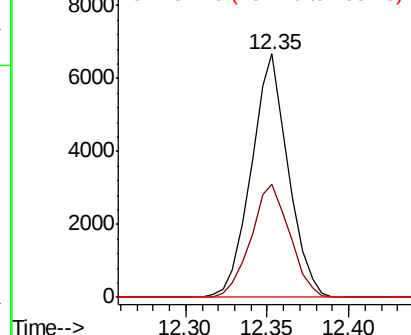
173 100

175 48.9 24.0 72.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

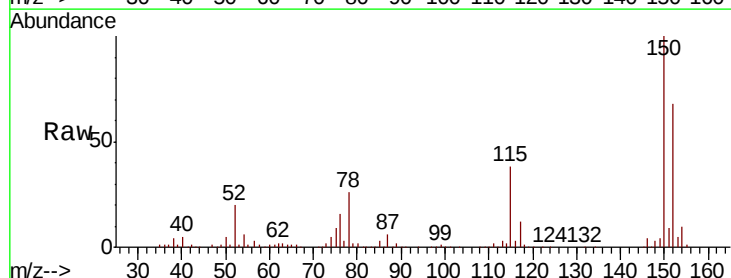
Tgt Ion:152 Resp: 81417

Ion Ratio Lower Upper

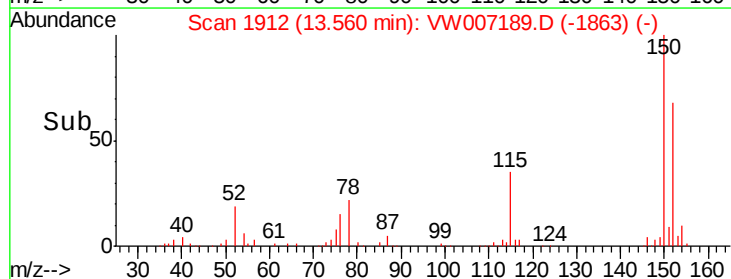
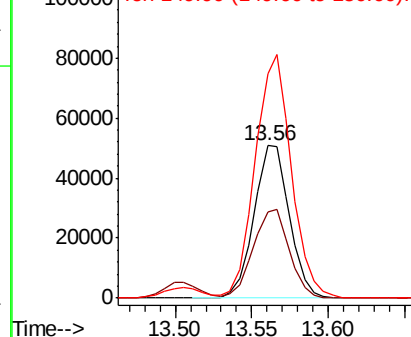
152 100

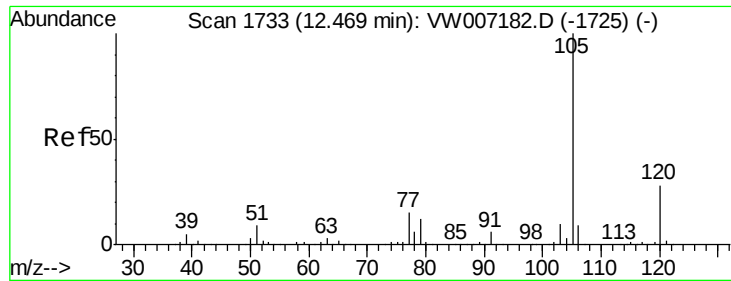
115 59.9 31.3 93.8

150 163.7 0.0 358.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.760 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

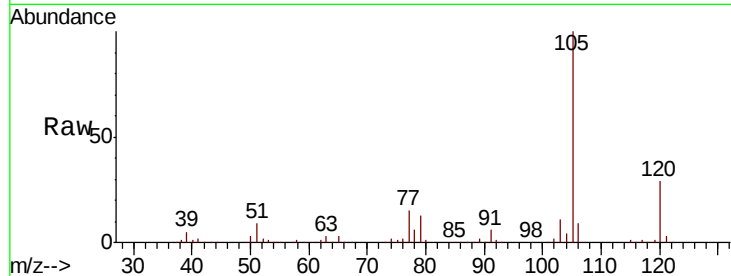
VW1204SBSD01

Tot Ion:105 Resp: 124226

Ion Ratio Lower Upper

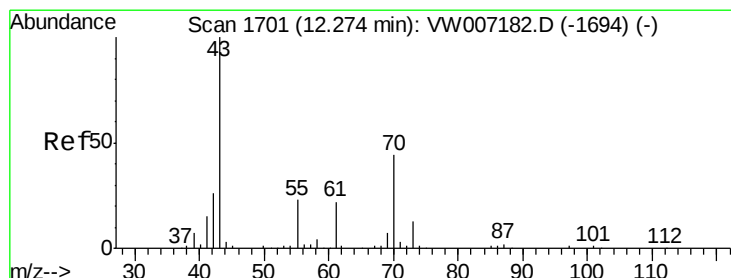
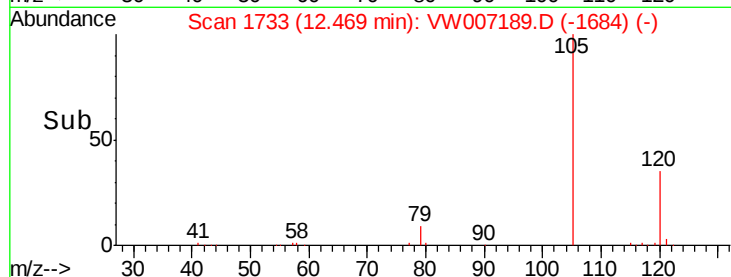
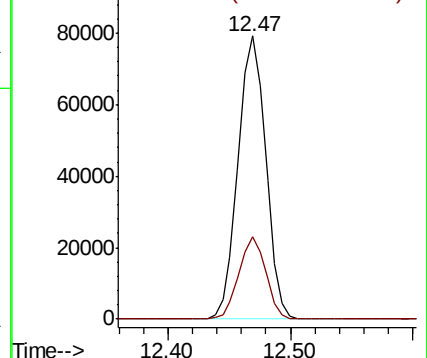
105 100

120 28.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.378 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Tgt Ion: 43 Resp: 23925

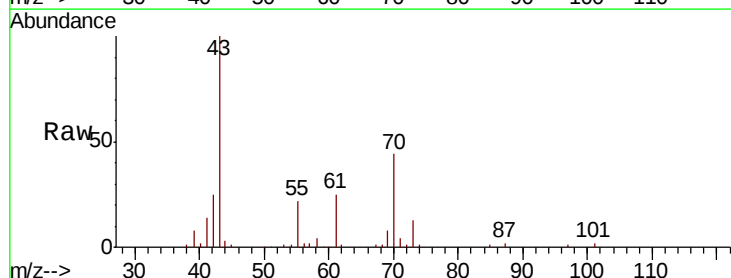
Ion Ratio Lower Upper

43 100

70 42.2 34.0 51.0

55 23.1 19.0 28.6

61 24.4 19.7 29.5

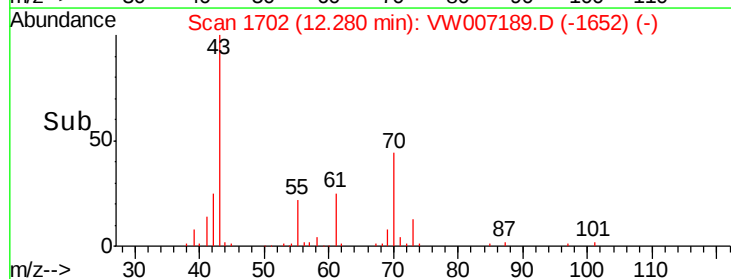
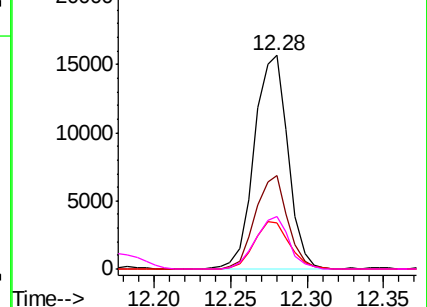


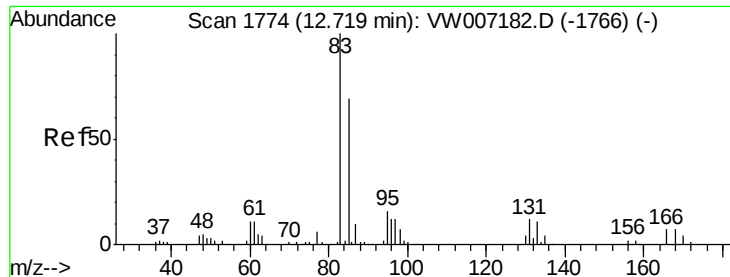
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.572 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

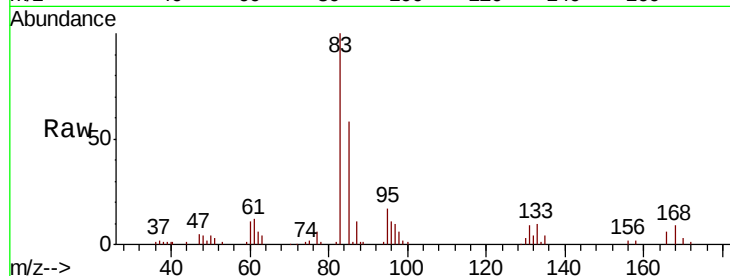
Tot Ion: 83 Resp: 17692

Ion Ratio Lower Upper

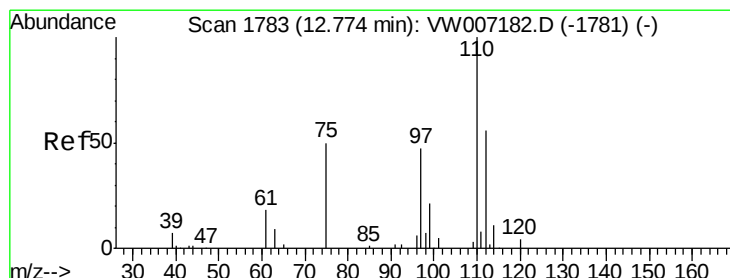
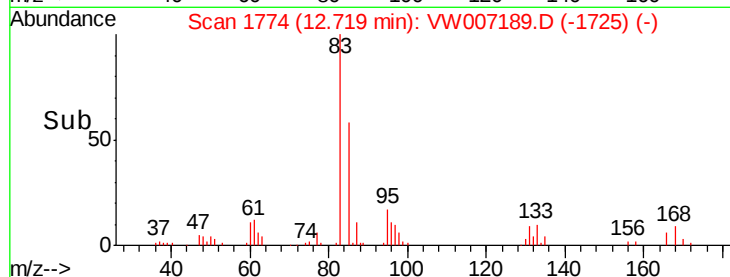
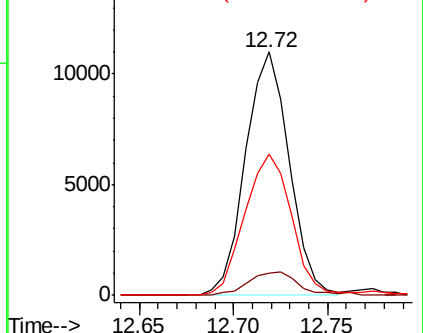
83 100

131 11.2 6.0 18.1

85 61.5 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 19.447 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007189.D

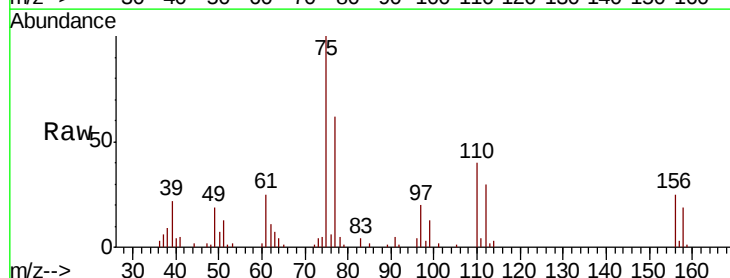
Acq: 04 Dec 2018 16:05

Tgt Ion: 75 Resp: 23794

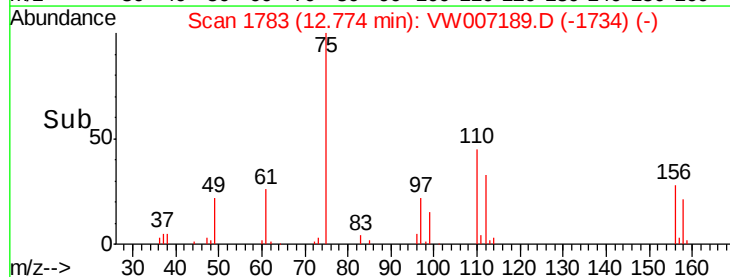
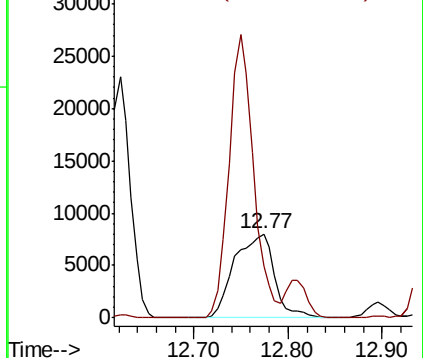
Ion Ratio Lower Upper

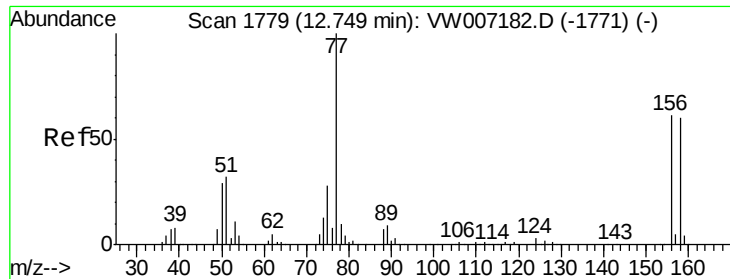
75 100

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: 19.094 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

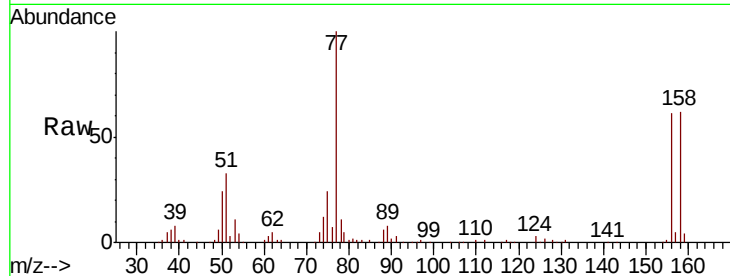
Tot Ion:156 Resp: 27293

Ion Ratio Lower Upper

156 100

77 180.8 92.0 276.1

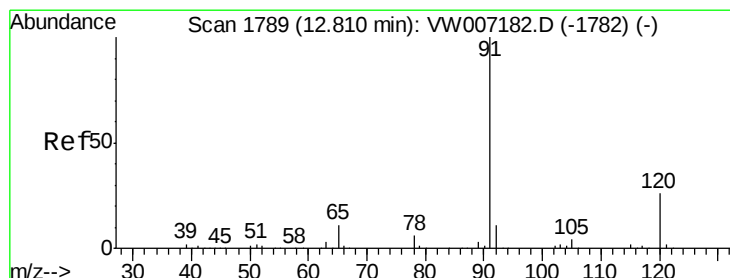
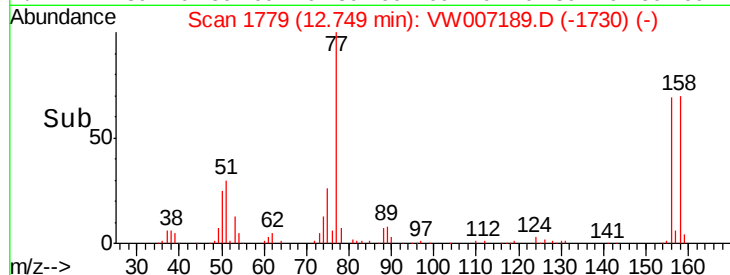
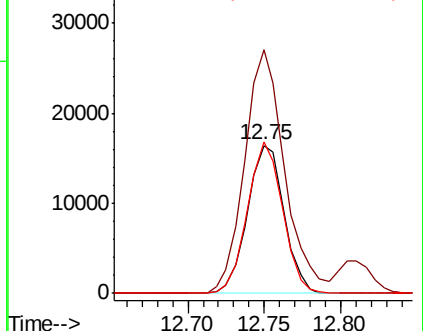
158 98.6 49.0 147.0



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: 19.176 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007189.D

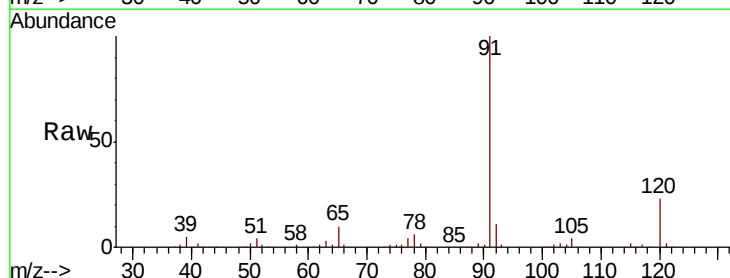
Acq: 04 Dec 2018 16:05

Tgt Ion: 91 Resp: 151282

Ion Ratio Lower Upper

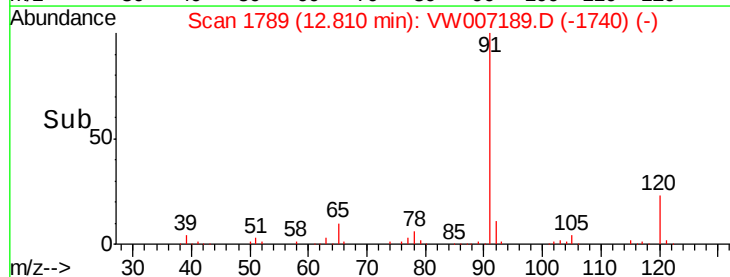
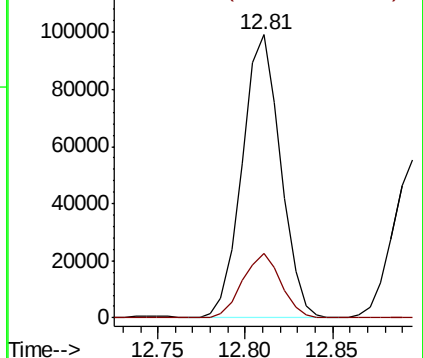
91 100

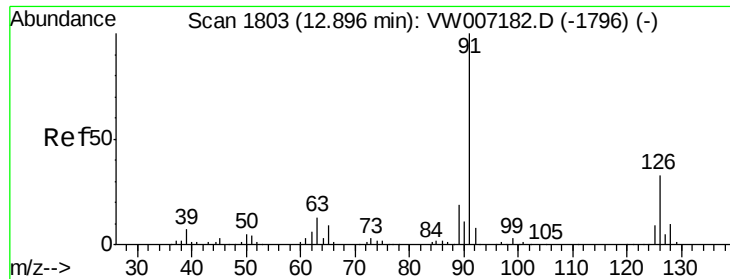
120 22.8 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

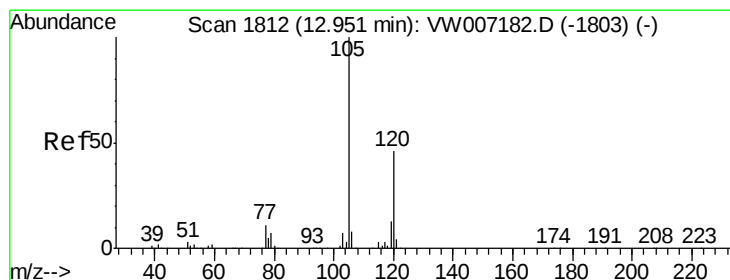
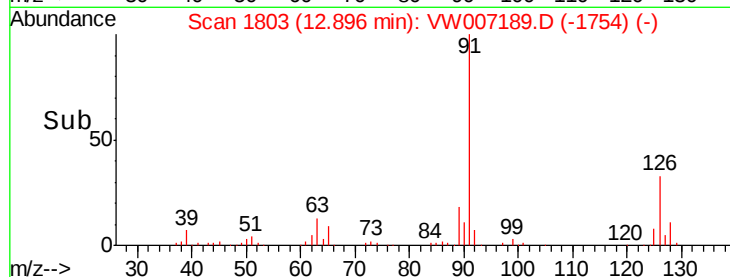
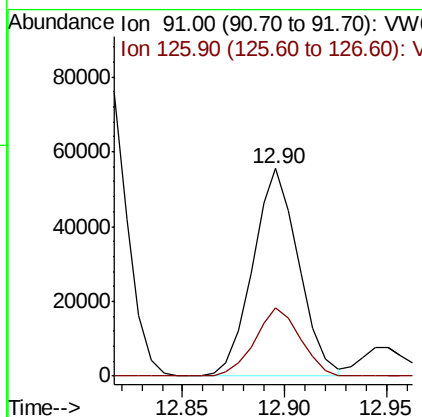
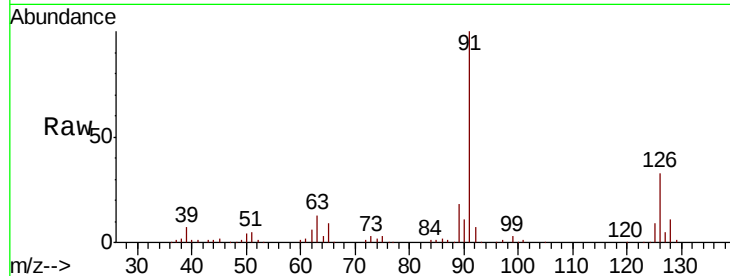




#79
 2-Chlorotoluene
 Concen: 19.359 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

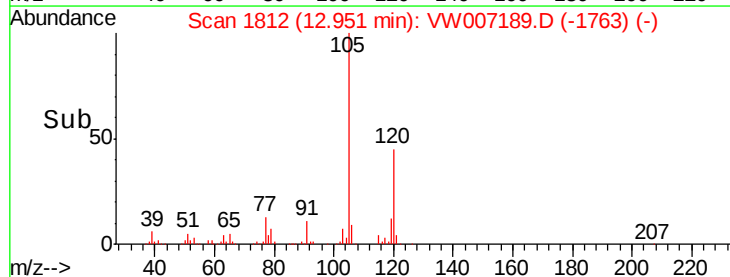
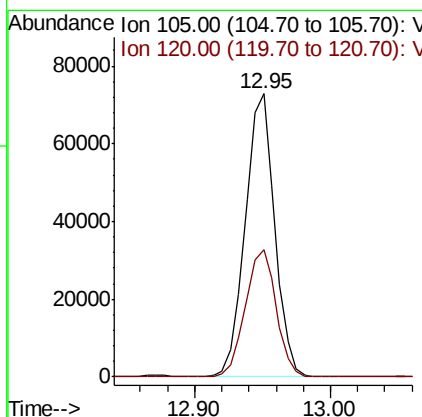
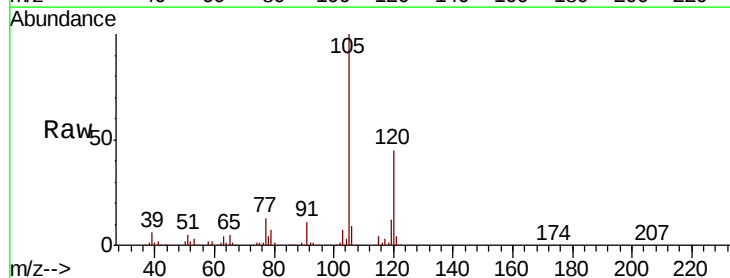
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

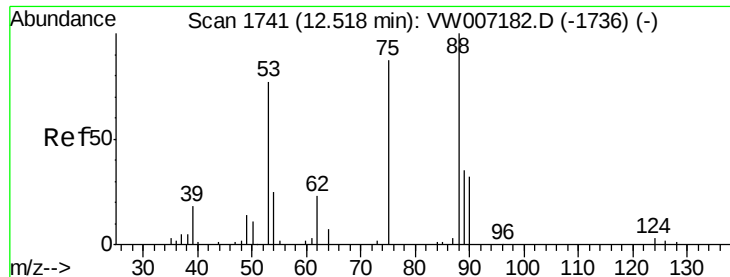
Tot Ion: 91 Resp: 86246
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 19.388 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Tgt Ion:105 Resp: 109829
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.047 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

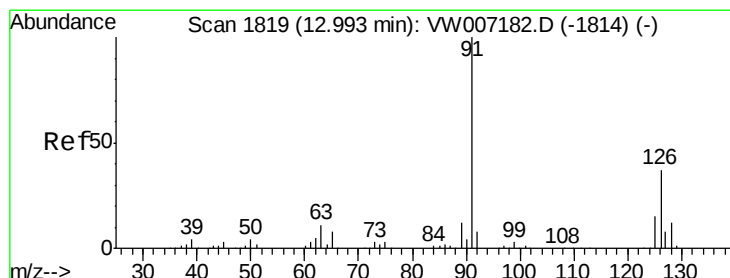
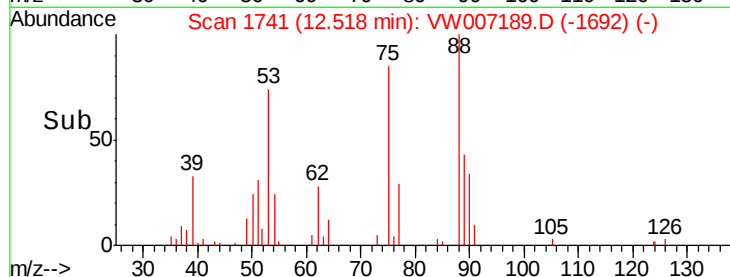
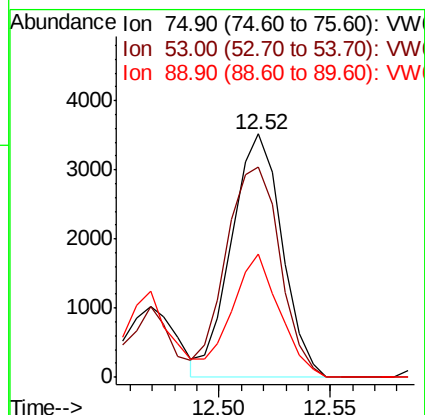
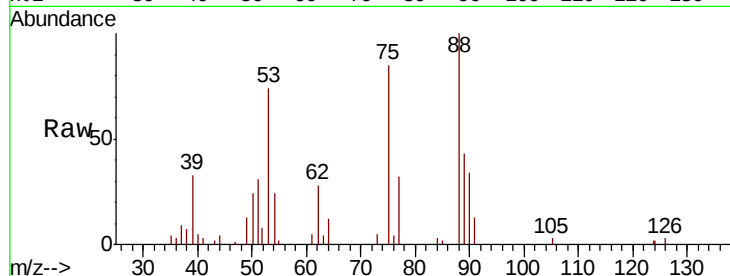
Tot Ion: 75 Resp: 5571

Ion Ratio Lower Upper

75 100

53 93.0 72.8 109.2

89 47.3 36.4 54.6



#82

4-Chlorotoluene

Concen: 18.948 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007189.D

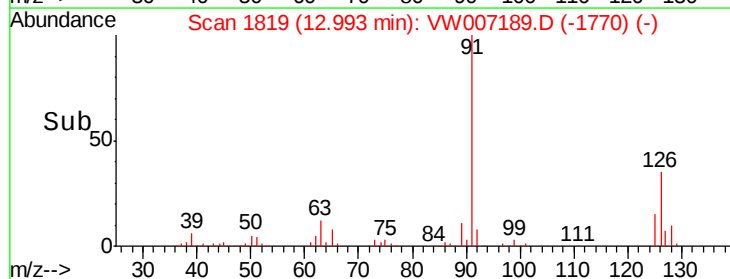
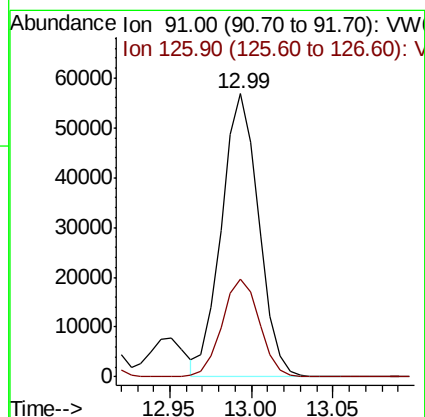
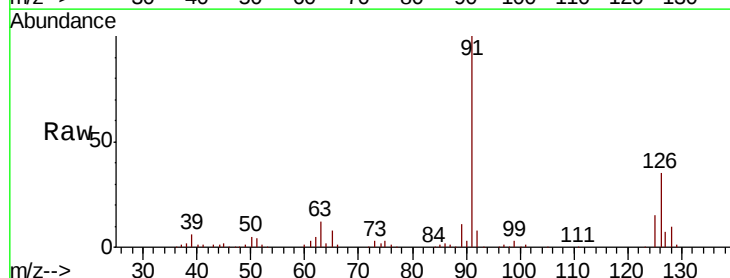
Acq: 04 Dec 2018 16:05

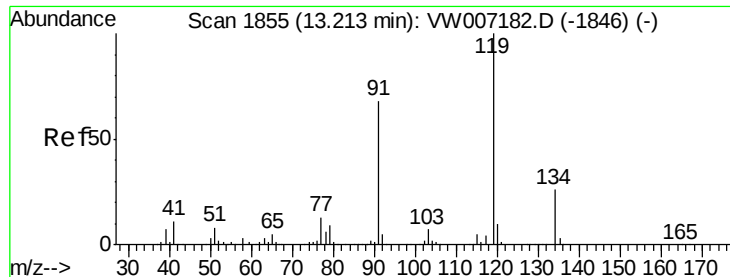
Tgt Ion: 91 Resp: 89801

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3





#83

tert-Butylbenzene

Concen: 18.891 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

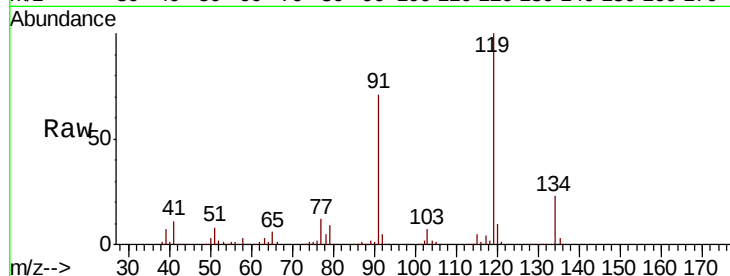
Tot Ion:119 Resp: 93522

Ion Ratio Lower Upper

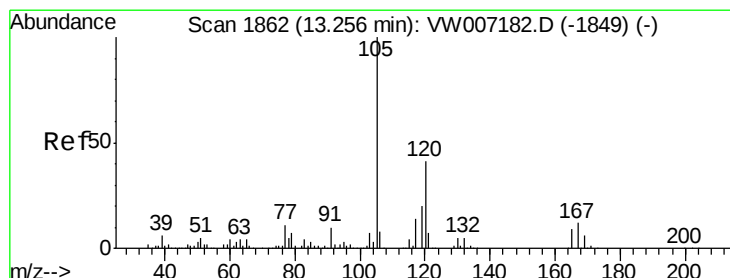
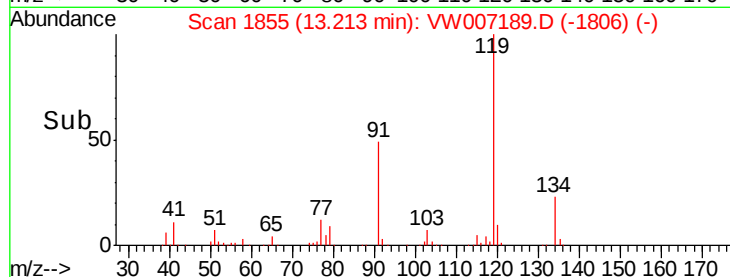
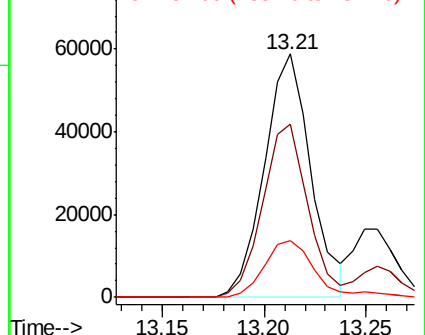
119 100

91 68.9 34.0 101.8

134 25.7 13.2 39.5



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



#84

1,2,4-Trimethylbenzene

Concen: 19.475 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007189.D

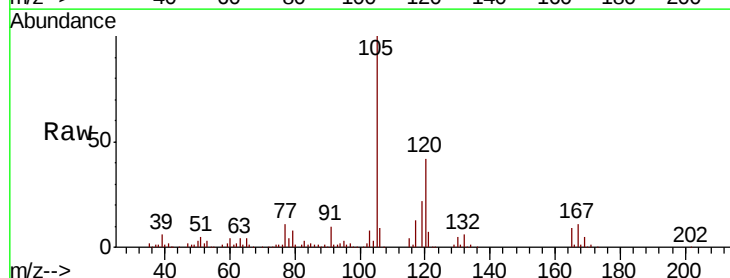
Acq: 04 Dec 2018 16:05

Tgt Ion:105 Resp: 112617

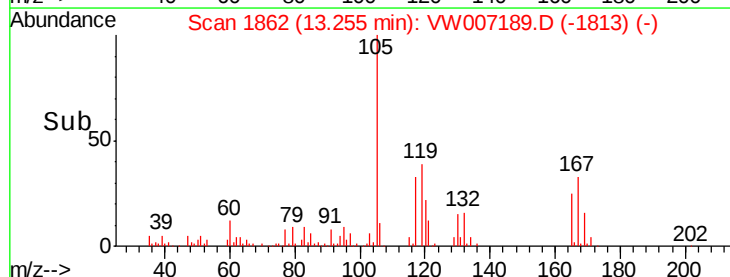
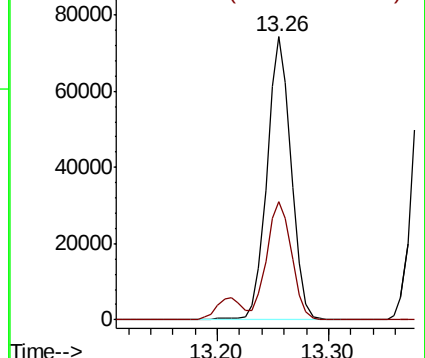
Ion Ratio Lower Upper

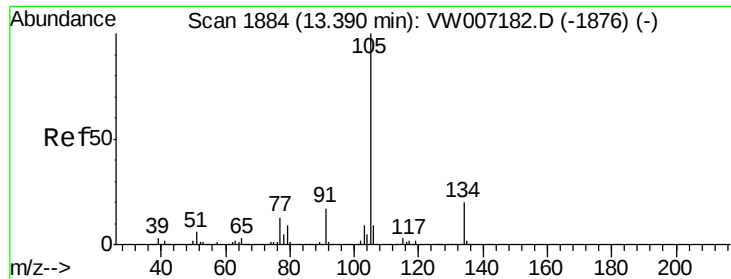
105 100

120 43.5 21.1 63.3



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





#85

sec-Butylbenzene

Concen: 19.167 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

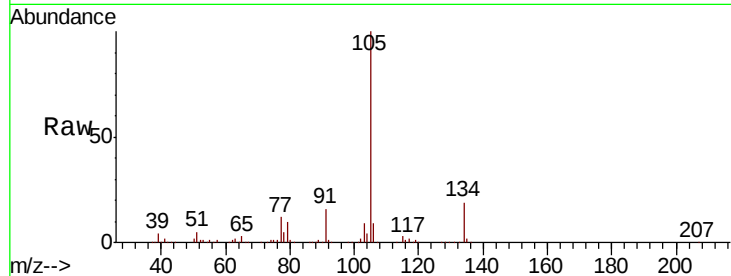
VW1204SBSD01

Tot Ion:105 Resp: 135464

Ion Ratio Lower Upper

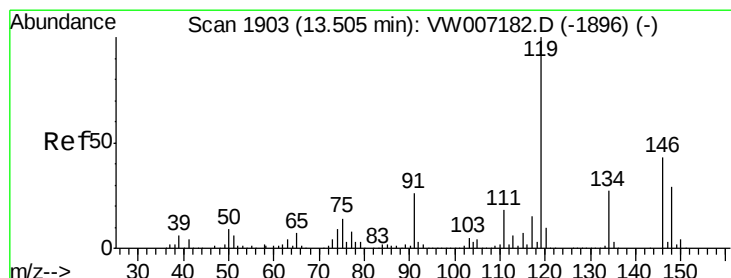
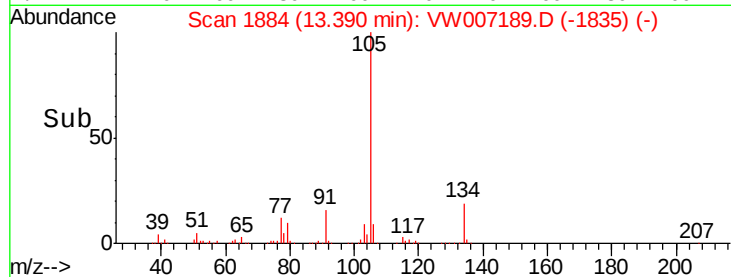
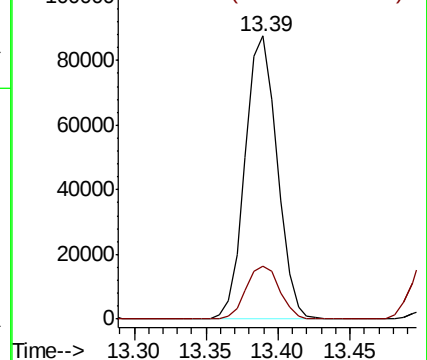
105 100

134 19.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.228 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

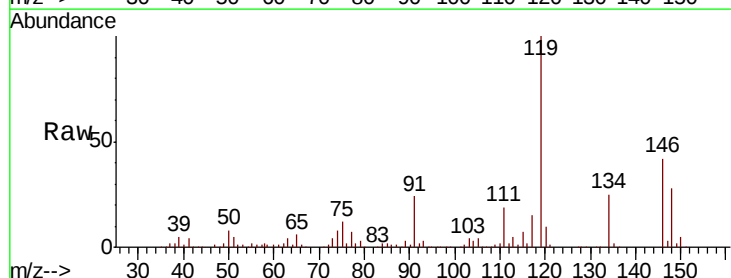
Tgt Ion:119 Resp: 120970

Ion Ratio Lower Upper

119 100

134 25.3 13.2 39.6

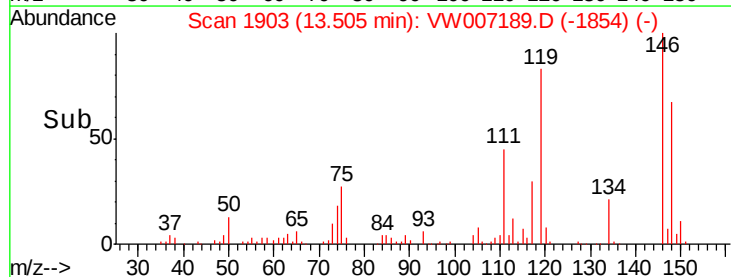
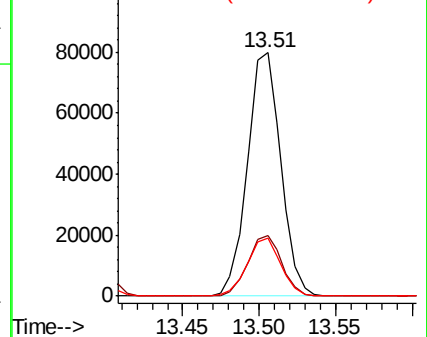
91 23.9 12.4 37.2

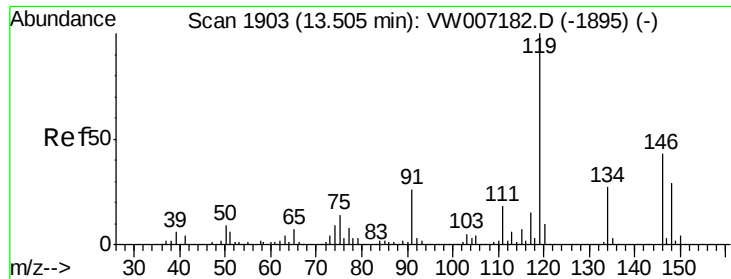


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

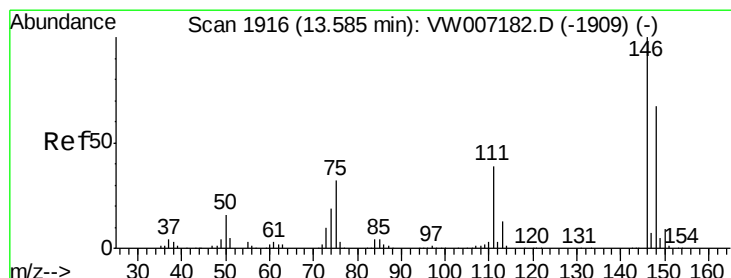
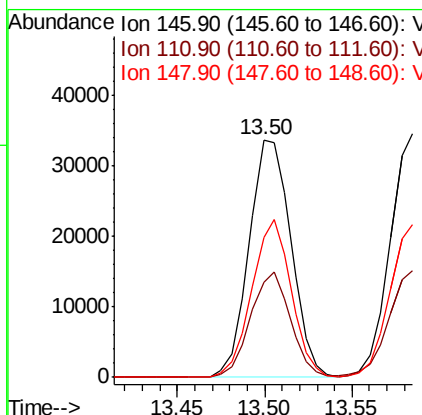
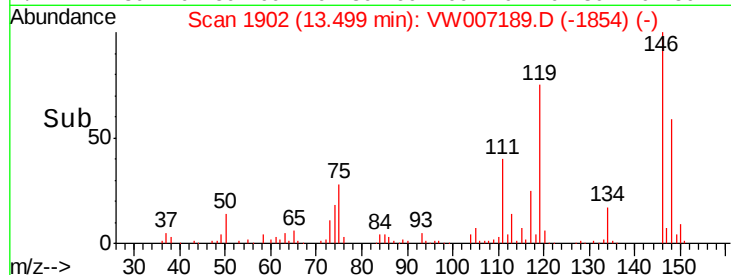
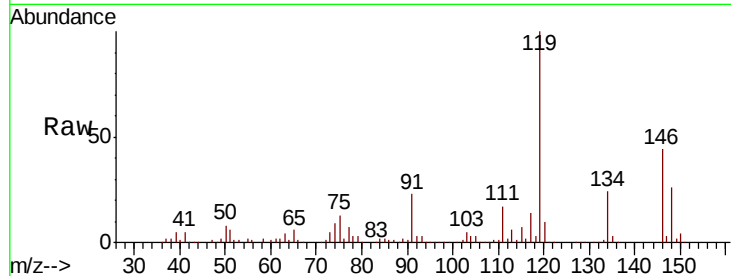




#87
 1,3-Dichlorobenzene
 Concen: 19.138 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

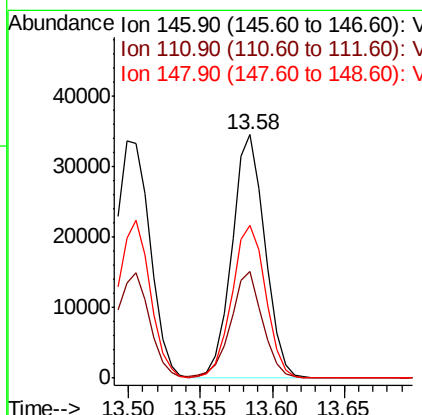
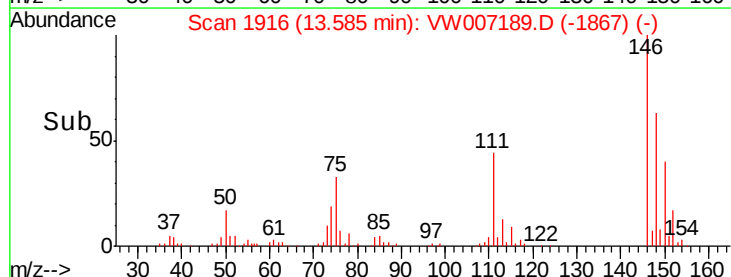
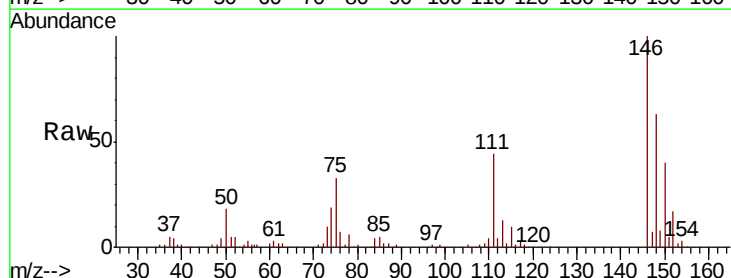
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

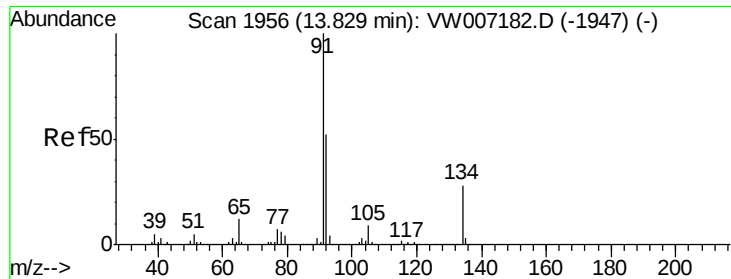
Tot Ion:146 Resp: 56155
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.4
 148 62.6 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 18.583 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Tgt Ion:146 Resp: 55078
 Ion Ratio Lower Upper
 146 100
 111 42.4 19.6 58.8
 148 64.4 32.6 98.0





#89

n-Butylbenzene

Concen: 18.832 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

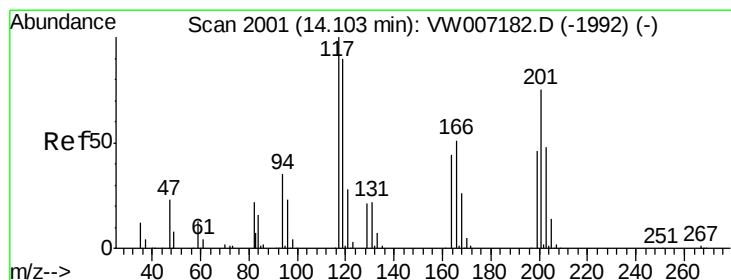
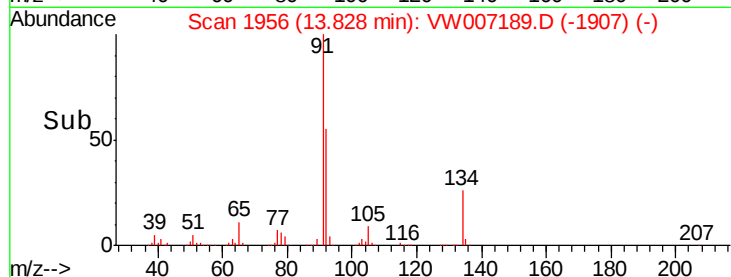
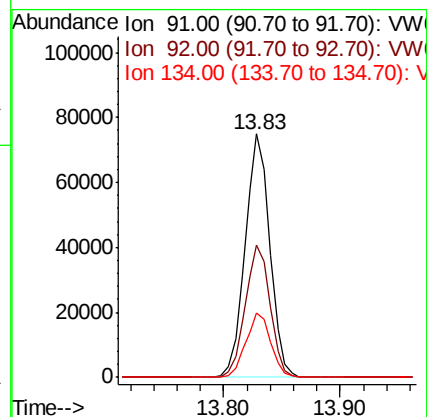
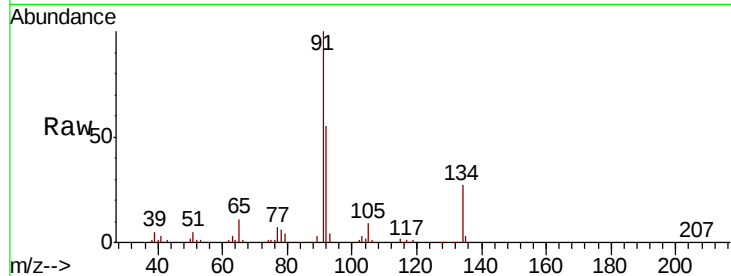
Tot Ion: 91 Resp: 110715

Ion Ratio Lower Upper

91 100

92 54.7 26.5 79.5

134 26.7 14.1 42.2



#90

Hexachloroethane

Concen: 18.401 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW007189.D

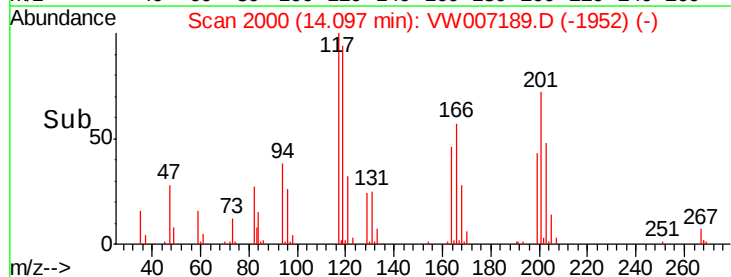
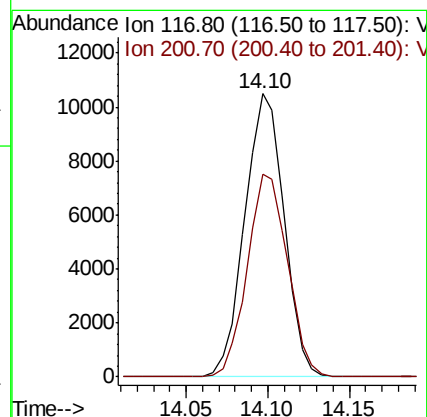
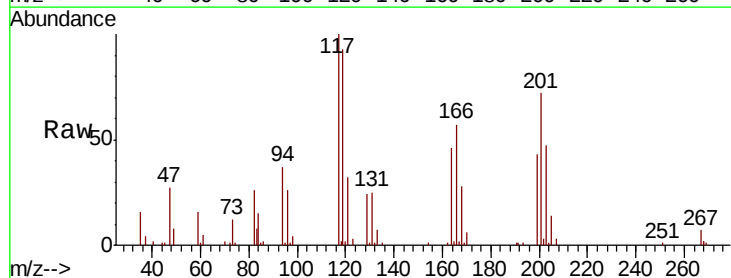
Acq: 04 Dec 2018 16:05

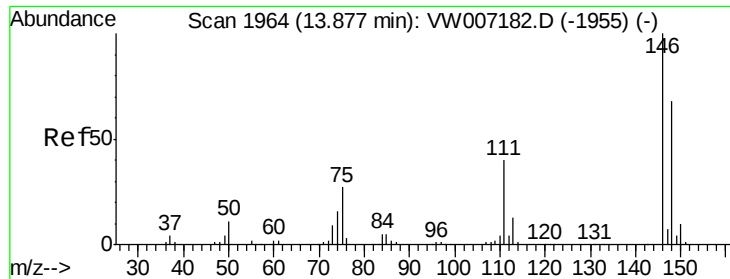
Tgt Ion: 117 Resp: 17642

Ion Ratio Lower Upper

117 100

201 73.0 36.0 108.1





#91

1,2-Dichlorobenzene

Concen: 19.257 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW1204SBSD01

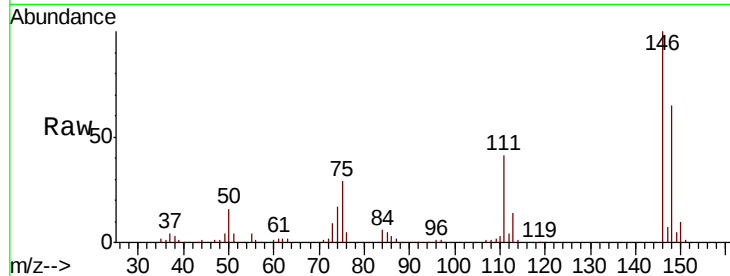
Tot Ion:146 Resp: 48916

Ion Ratio Lower Upper

146 100

111 42.2 21.6 65.0

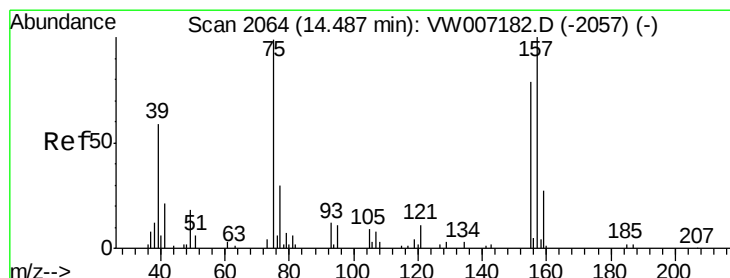
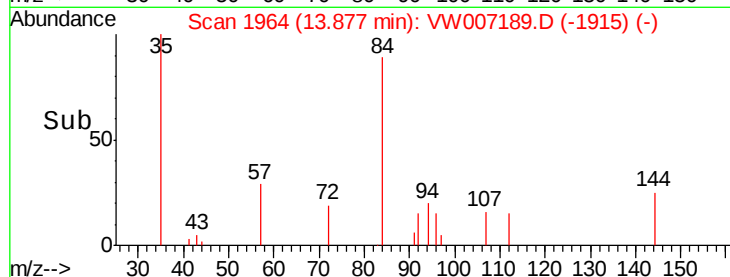
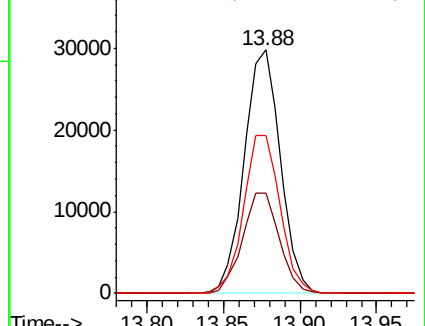
148 65.6 32.7 98.1



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: 19.154 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007189.D

Acq: 04 Dec 2018 16:05

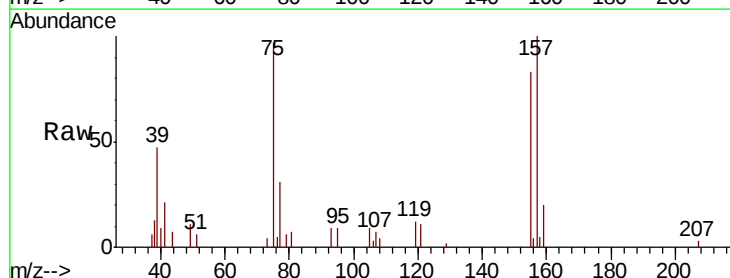
Tgt Ion: 75 Resp: 3191

Ion Ratio Lower Upper

75 100

155 87.8 42.4 127.2

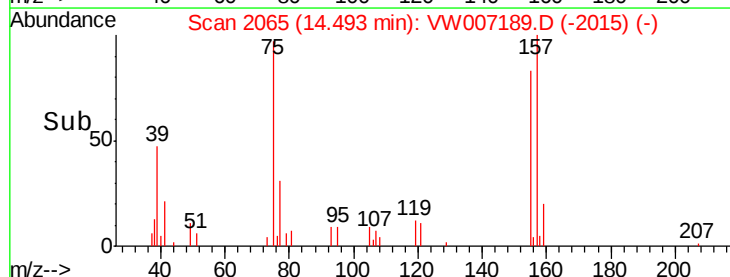
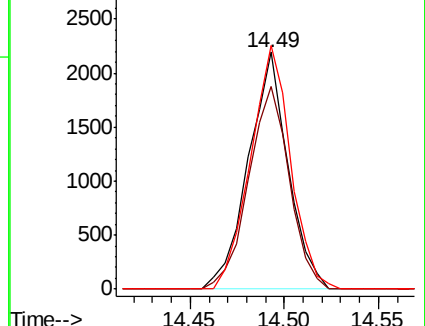
157 104.2 55.3 165.9

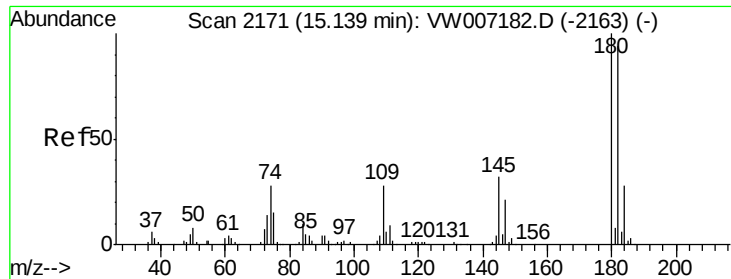


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

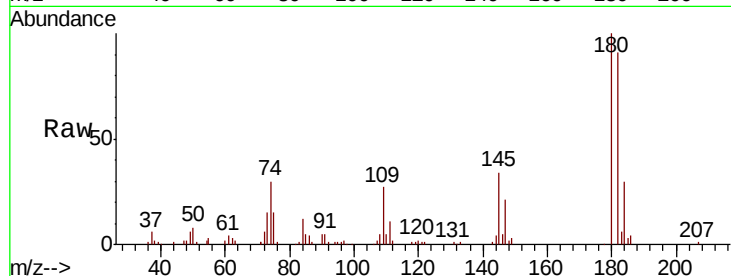




#93
 1,2,4-Trichlorobenzene
 Concen: 18.296 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1204SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	34.2	16.6	49.7

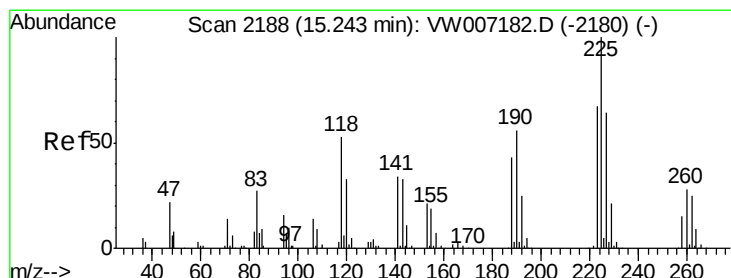
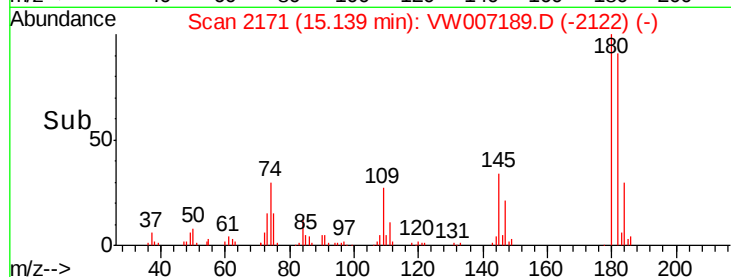
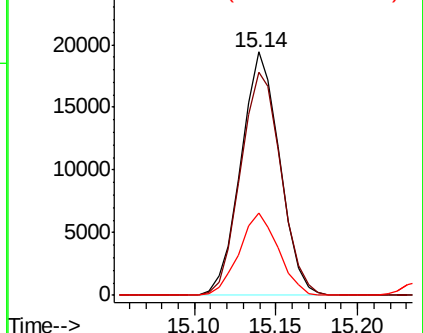


Abundance

Ion 179.80 (179.50 to 180.50): V

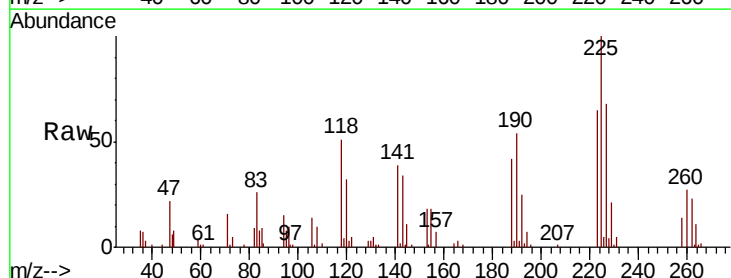
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.475 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007189.D
 Acq: 04 Dec 2018 16:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.3	96.8
227	64.4	32.1	96.3

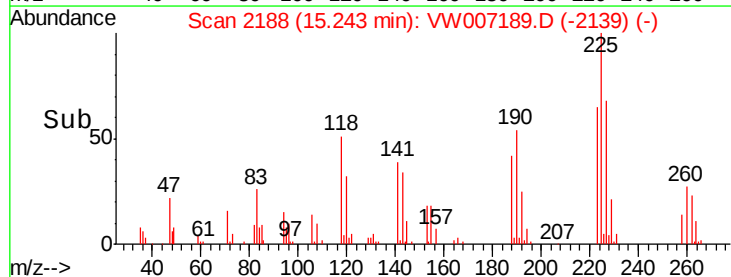
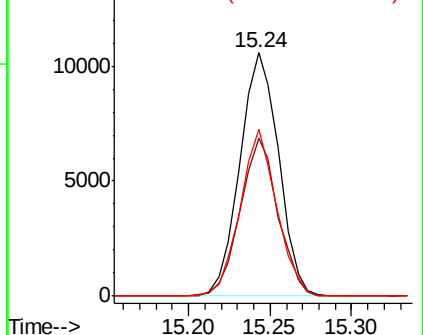


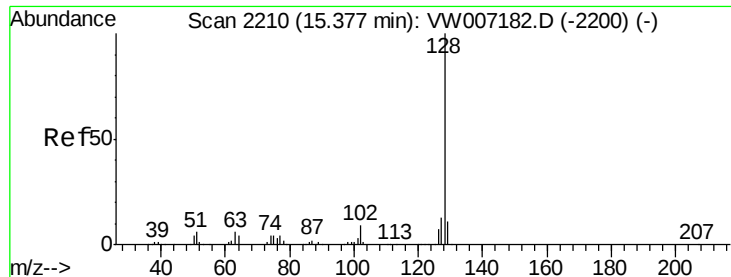
Abundance

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

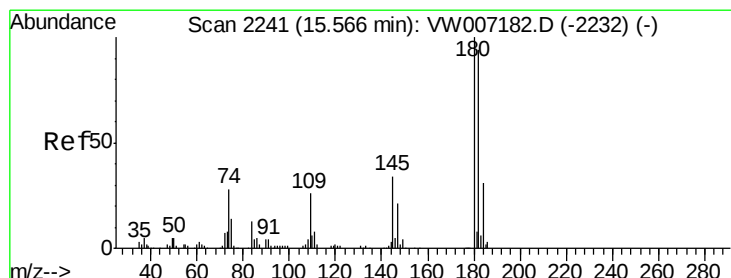
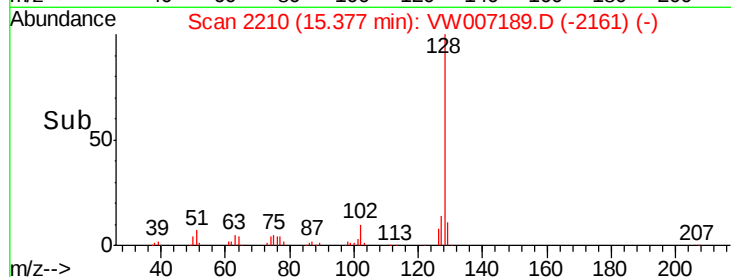
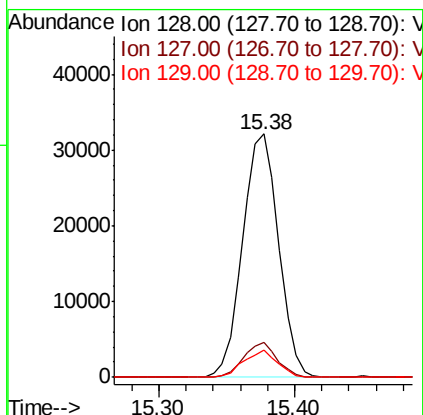
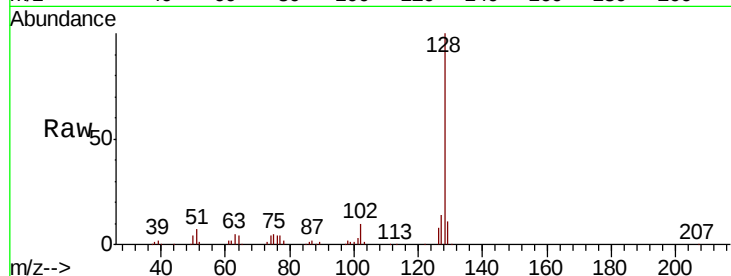




#95
Naphthalene
Concen: 18.843 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW1204SBSD01

Tot Ion:128 Resp: 59450
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.862 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007189.D
Acq: 04 Dec 2018 16:05

Tgt Ion:180 Resp: 26514
Ion Ratio Lower Upper
180 100
182 97.7 47.4 142.2
145 36.5 17.6 52.8

