

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003771.D
 Acq On : 09 Jul 2018 12:33
 Operator : SY/AP
 Sample : VW0709SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Manual Integrations
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 7/10/2018 10:47:15 AM

Quant Time: Jul 09 13:46:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	420519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	389871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	207844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	154056	44.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.32%	
35) Dibromofluoromethane	7.88	113	135873	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
50) Toluene-d8	10.33	98	535629	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	12.62	95	196183	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	26797	20.655	ug/l	97
3) Chloromethane	2.21	50	46797	19.000	ug/l	96
4) Vinyl Chloride	2.36	62	58526	18.015	ug/l	98
5) Bromomethane	2.76	94	39729	17.325	ug/l	95
6) Chloroethane	2.92	64	32666	16.767	ug/l	98
7) Trichlorofluoromethane	3.25	101	28008	21.341	ug/l	98
8) Diethyl Ether	3.67	74	27298	20.296	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53618	21.008	ug/l	99
10) Methyl Iodide	4.26	142	77654	20.441	ug/l	99
11) Tert butyl alcohol	5.18	59	18937	100.166	ug/l	98
12) 1,1-Dichloroethene	4.03	96	53560	21.373	ug/l	90
13) Acrolein	3.89	56	28673	101.895	ug/l	100
14) Allyl chloride	4.66	41	94386	21.664	ug/l	98
15) Acrylonitrile	5.37	53	68106	101.118	ug/l	98
16) Acetone	4.12	43	69723	115.195	ug/l	97
17) Carbon Disulfide	4.37	76	173828	21.158	ug/l	100
18) Methyl Acetate	4.67	43	32326	18.943	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	102636	19.820	ug/l	97
20) Methylene Chloride	4.90	84	65552	19.554	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	59698	20.122	ug/l	98
22) Diisopropyl ether	6.31	45	187892	19.616	ug/l	96
23) Vinyl Acetate	6.26	43	575934	98.498	ug/l	100
24) 1,1-Dichloroethane	6.21	63	111904	19.317	ug/l	98
25) 2-Butanone	7.18	43	93272	98.388	ug/l	100
26) 2,2-Dichloropropane	7.17	77	68152	21.689	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	63649	19.401	ug/l	100
28) Bromochloromethane	7.51	49	48952	18.968	ug/l	99
29) Tetrahydrofuran	7.54	42	59896	98.285	ug/l	100
30) Chloroform	7.68	83	112052	18.961	ug/l	99
31) Cyclohexane	7.95	56	102645	20.163	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	89320	19.859	ug/l	100
36) 1,1-Dichloropropene	8.08	75	89777	20.121	ug/l	99
37) Ethyl Acetate	7.26	43	41387	19.063	ug/l	100
38) Carbon Tetrachloride	8.07	117	84856	20.002	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102263	20.926	ug/l	98
40) Benzene	8.32	78	250215	19.615	ug/l	98
41) Methacrylonitrile	7.49	41	21106	16.900	ug/l	94
42) 1,2-Dichloroethane	8.40	62	77526	18.779	ug/l	100
43) Isopropyl Acetate	8.43	43	75544	18.360	ug/l	98
44) Trichloroethene	9.09	130	64226	19.972	ug/l	96
45) 1,2-Dichloropropane	9.37	63	63262	19.074	ug/l	98
46) Dibromomethane	9.46	93	33466	19.189	ug/l	99
47) Bromodichloromethane	9.65	83	81408	18.975	ug/l	100
48) Methyl methacrylate	9.44	41	37048	18.906	ug/l	98
49) 1,4-Dioxane	9.46	88	10038	385.116	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	202049	94.892	ug/l	99
52) Toluene	10.39	92	157728	19.941	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	84266	19.671	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	95877	19.827	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	46286	19.109	ug/l	98
56) Ethyl methacrylate	10.65	69	55457	18.762	ug/l	96
57) 1,3-Dichloropropane	10.93	76	80129	18.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	122860	87.954	ug/l	100
59) 2-Hexanone	10.98	43	142862	97.708	ug/l	99
60) Dibromochloromethane	11.13	129	53715	18.998	ug/l	100
61) 1,2-Dibromoethane	11.24	107	44180	19.073	ug/l	100
64) Tetrachloroethene	10.87	164	55357	19.196	ug/l	98
65) Chlorobenzene	11.66	112	172793	20.105	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58893	19.609	ug/l	100
67) Ethyl Benzene	11.74	91	300122	20.422	ug/l	99
68) m/p-Xylenes	11.85	106	231517	41.140	ug/l	100
69) o-Xylene	12.17	106	105216	20.262	ug/l	100
70) Styrene	12.19	104	178096	20.169	ug/l	100
71) Bromoform	12.35	173	31823	19.199	ug/l #	99
73) Isopropylbenzene	12.47	105	292786	20.801	ug/l	100
74) N-amyl acetate	12.28	43	71704	18.794	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	55964	19.613	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	45414m	22.251	ug/l	
77) Bromobenzene	12.75	156	69959	20.020	ug/l	98
78) n-propylbenzene	12.81	91	365609	20.692	ug/l	100
79) 2-Chlorotoluene	12.90	91	204639	20.159	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	252448	20.809	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	17306	20.742	ug/l	97
82) 4-Chlorotoluene	12.99	91	222953	20.425	ug/l	99
83) tert-Butylbenzene	13.21	119	208659	20.855	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	259818	20.615	ug/l	99
85) sec-Butylbenzene	13.39	105	310095	20.719	ug/l	100
86) p-Isopropyltoluene	13.51	119	275170	21.040	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	143169	20.222	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	143268	20.123	ug/l	99
89) n-Butylbenzene	13.83	91	265668	20.651	ug/l	100
90) Hexachloroethane	14.10	117	50071	19.875	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	128034	20.092	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9512	19.258	ug/l	98

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ClientSampleId :
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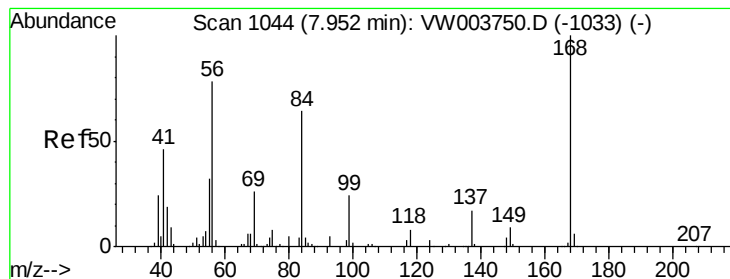
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	88236	20.457	ug/l	99
94) Hexachlorobutadiene	15.25	225	49532	20.076	ug/l	99
95) Naphthalene	15.38	128	154364	20.024	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	76582	19.829	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion:168 Resp: 266768

Ion Ratio Lower Upper

168 100

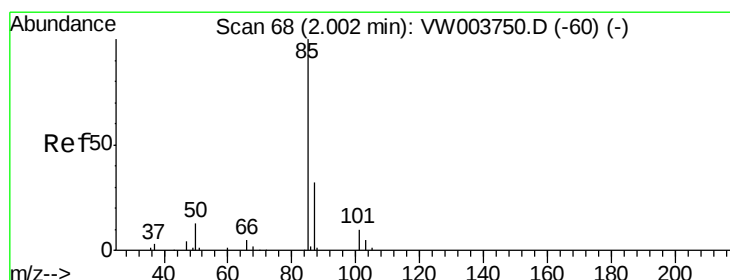
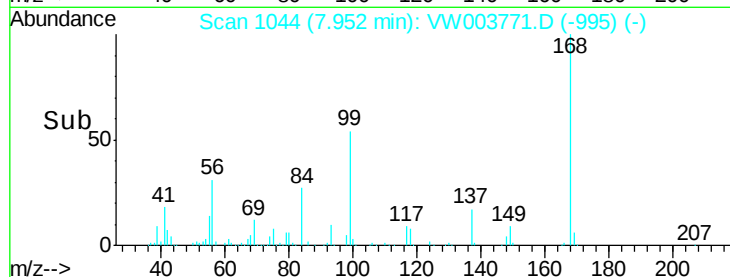
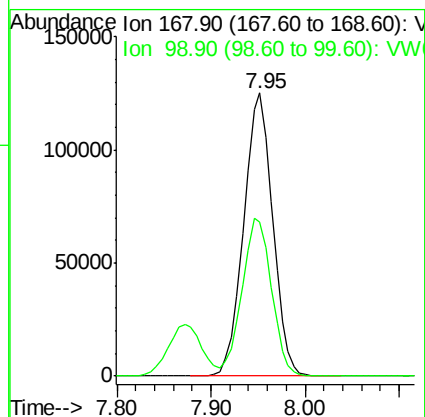
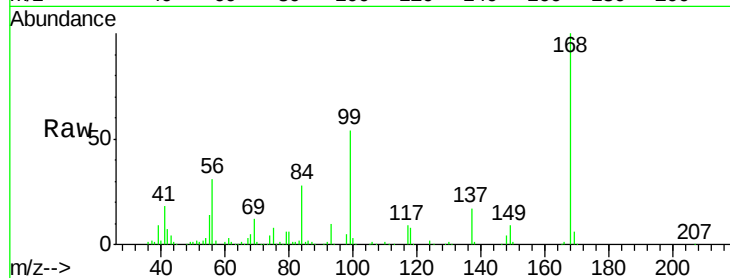
99 54.2 45.0 67.6

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#2

Dichlorodifluoromethane

Concen: 20.655 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003771.D

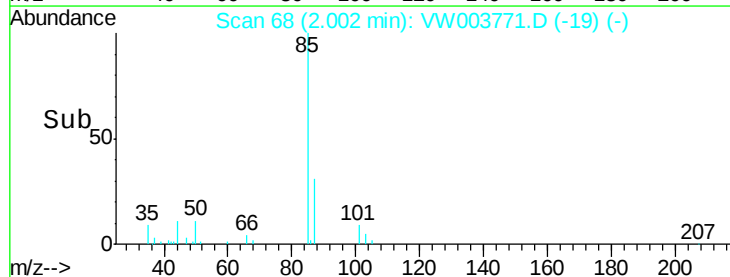
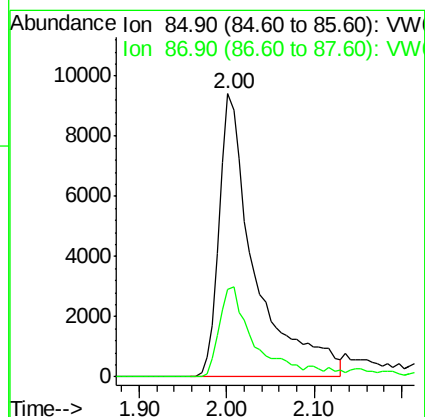
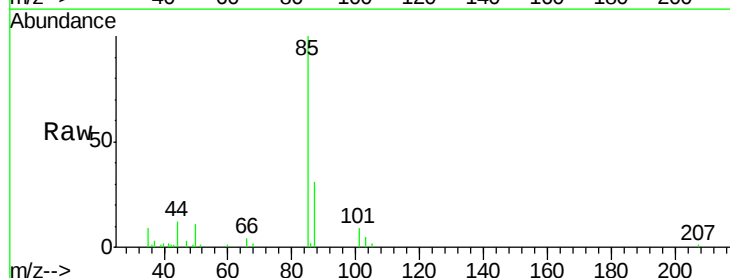
Acq: 09 Jul 2018 12:33

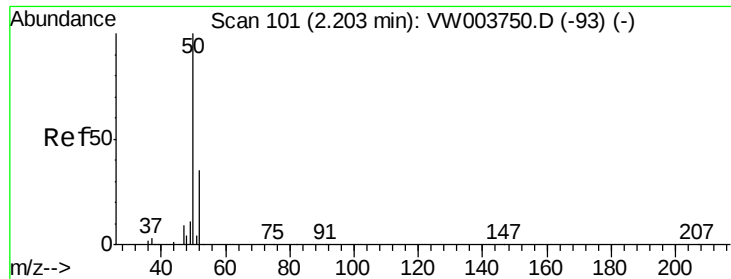
Tgt Ion: 85 Resp: 26797

Ion Ratio Lower Upper

85 100

87 30.8 16.2 48.5





#3

Chloromethane

Concen: 19.000 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBSD01

Tot Ion: 50 Resp: 46797

Ion Ratio Lower Upper

50 100

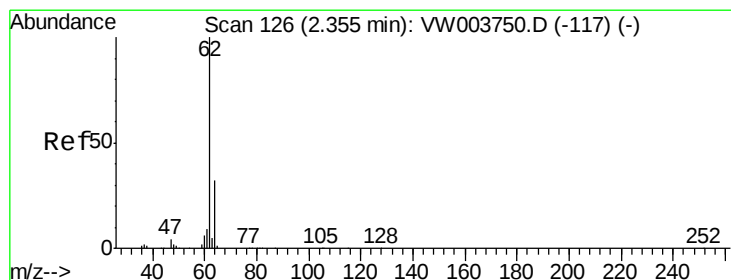
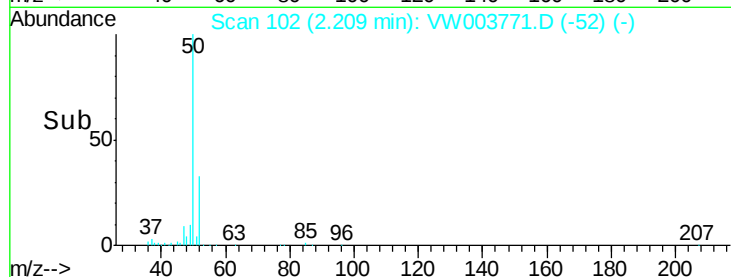
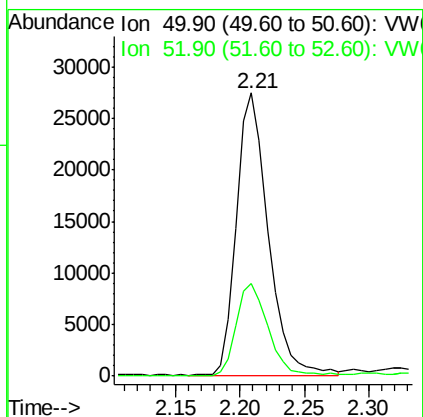
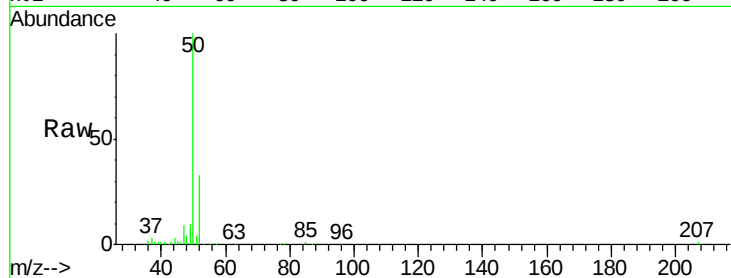
52 32.6 27.8 41.6

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#4

Vinyl Chloride

Concen: 18.015 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003771.D

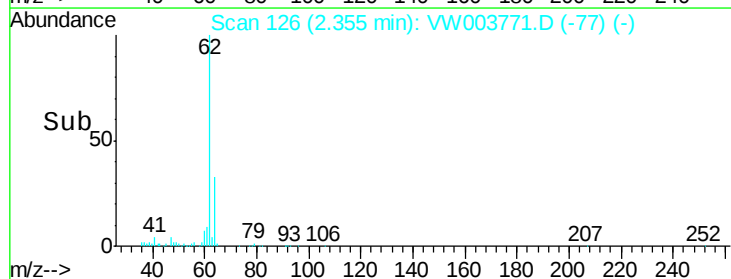
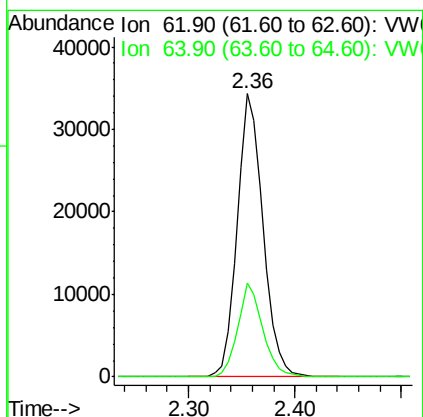
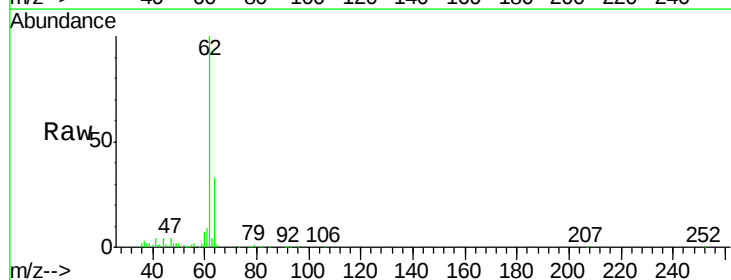
Acq: 09 Jul 2018 12:33

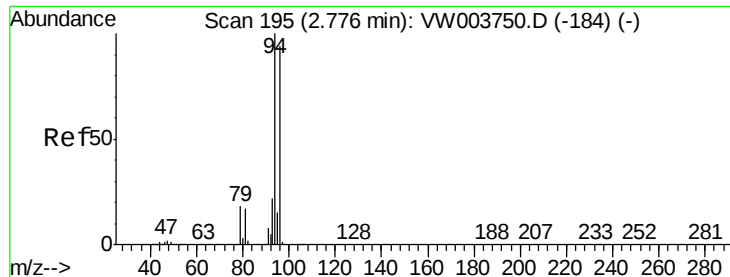
Tgt Ion: 62 Resp: 58526

Ion Ratio Lower Upper

62 100

64 33.2 25.8 38.8





#5

Bromomethane

Concen: 17.325 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion: 94 Resp: 39729

Ion Ratio Lower Upper

94 100

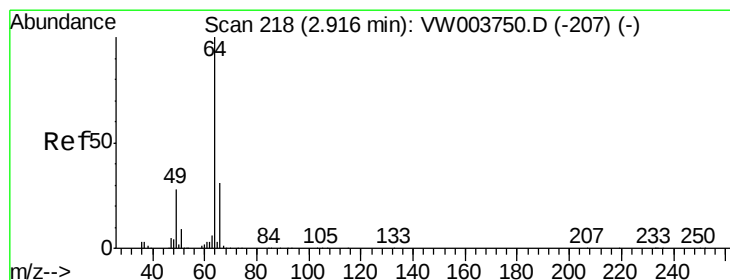
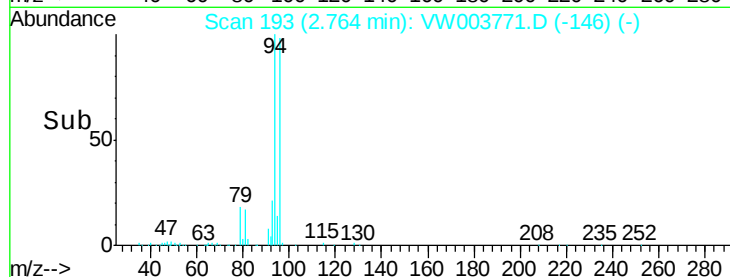
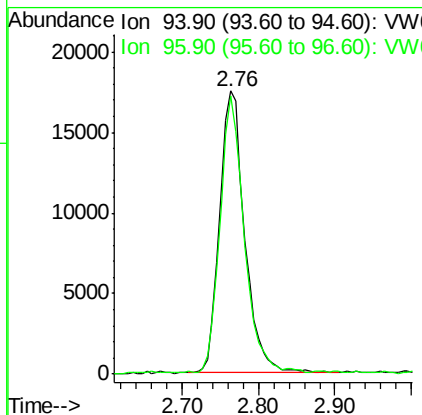
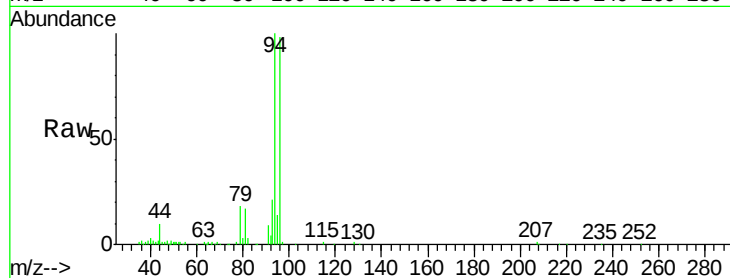
96 98.0 74.8 112.2

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#6

Chloroethane

Concen: 16.767 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW003771.D

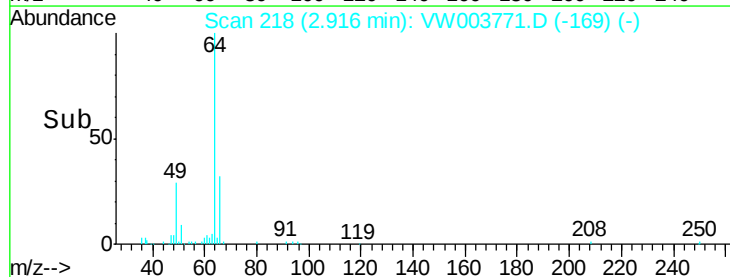
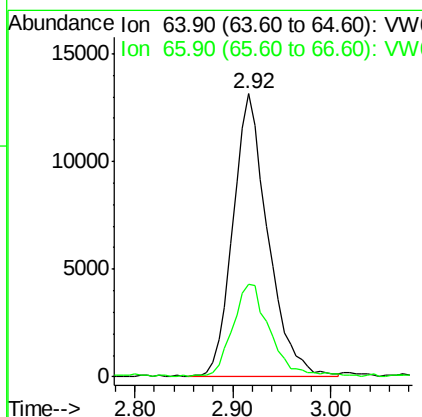
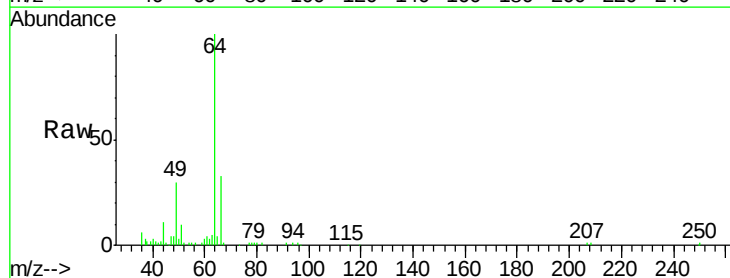
Acq: 09 Jul 2018 12:33

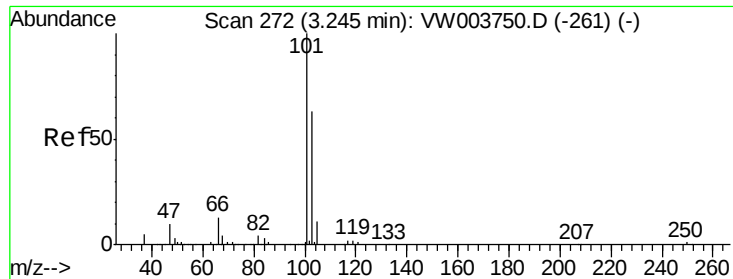
Tgt Ion: 64 Resp: 32666

Ion Ratio Lower Upper

64 100

66 32.6 25.1 37.7





#7

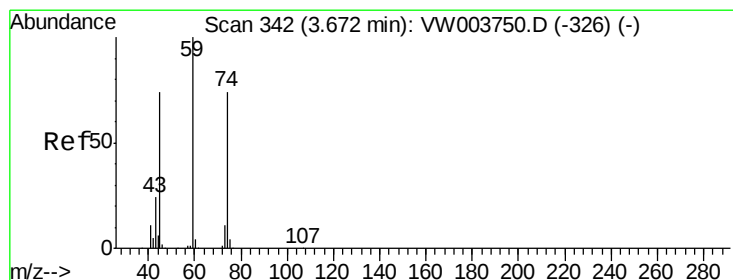
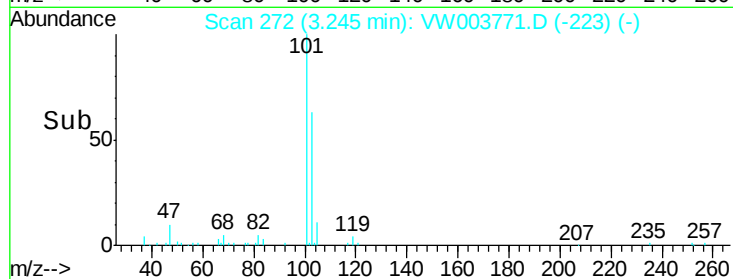
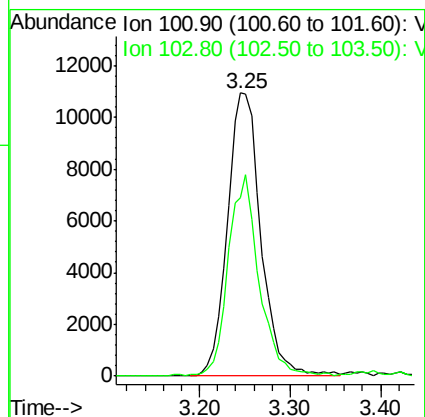
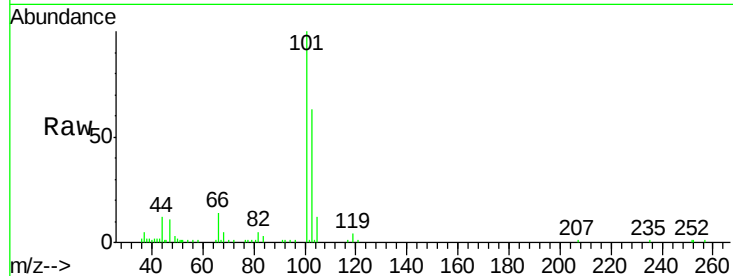
Trichlorofluoromethane
 Concen: 21.341 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

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 ClientSampleId :
 VW0709SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	50.7	76.1

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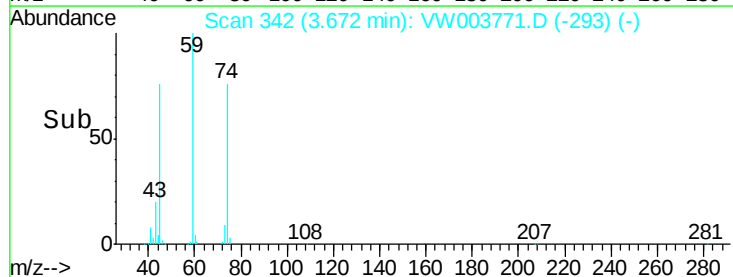
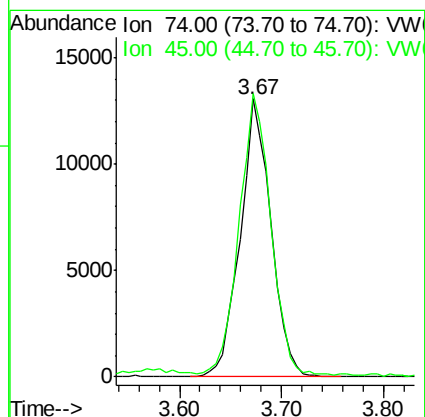
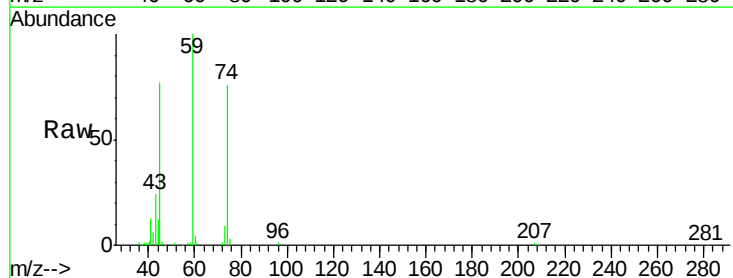
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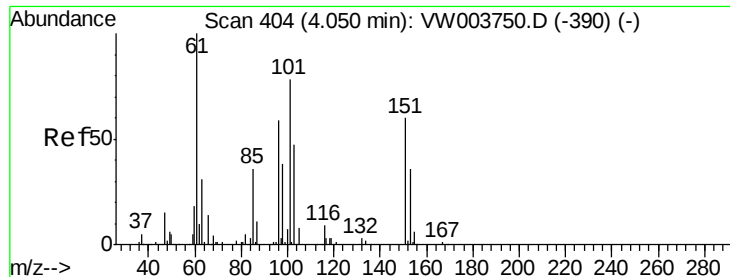


#8

Diethyl Ether
 Concen: 20.296 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	52.4	157.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.008 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

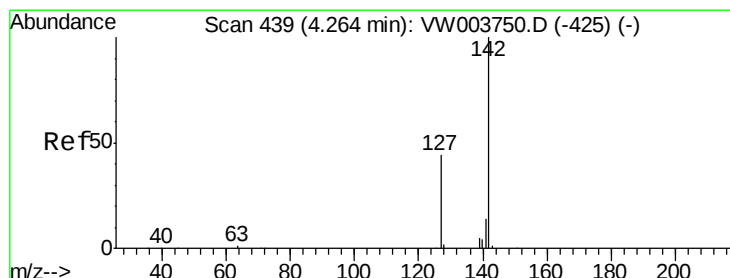
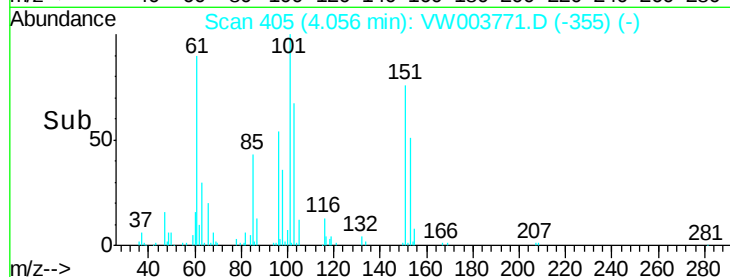
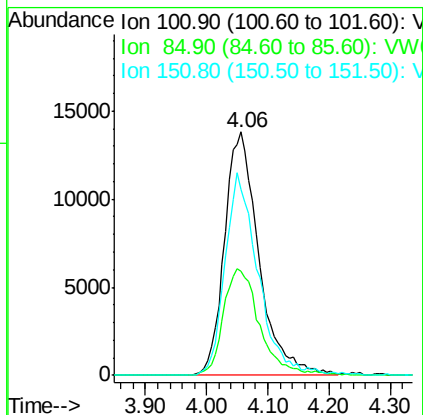
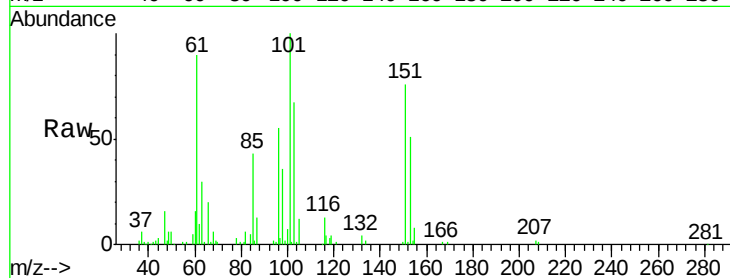
ClientSampleId :

VW0709SBSD01

Tot Ion:	101	Resp:	53618
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.1	55.7
151	78.8	62.3	93.5

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#10

Methyl Iodide

Concen: 20.441 ug/l

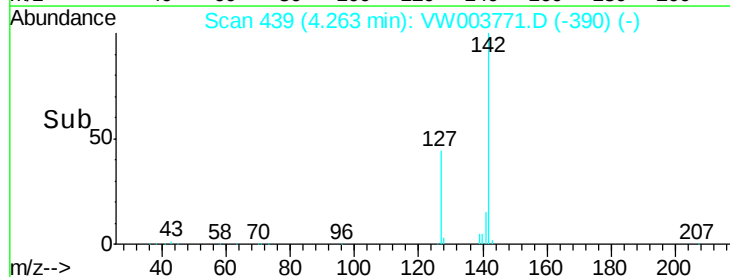
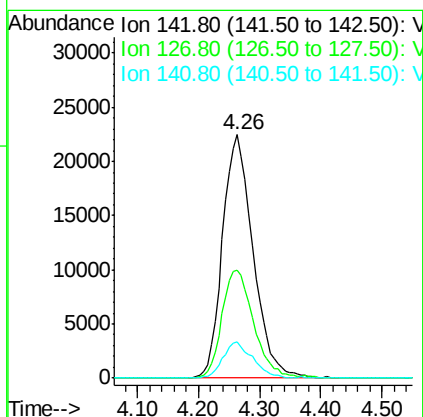
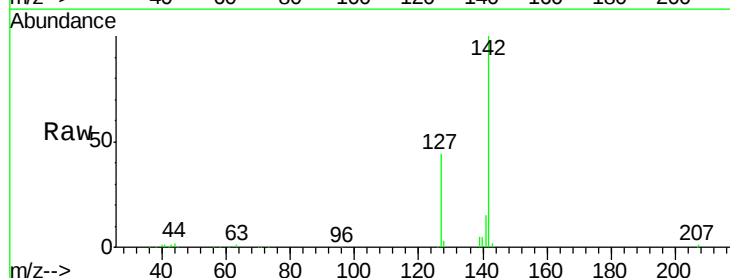
RT: 4.26 min Scan# 439

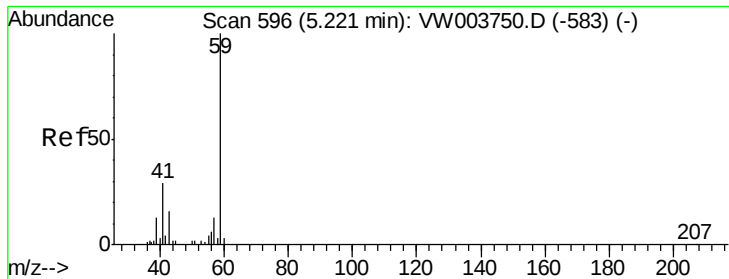
Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Tgt Ion:	142	Resp:	77654
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.1	54.1
141	14.6	11.6	17.4





#11

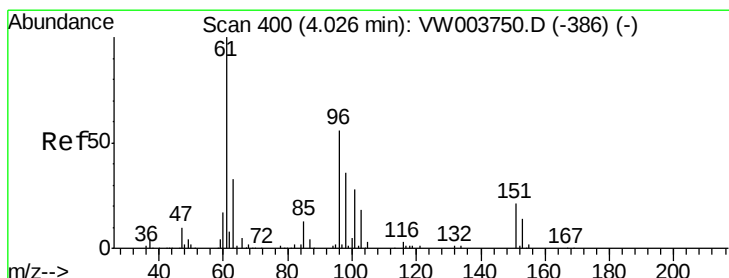
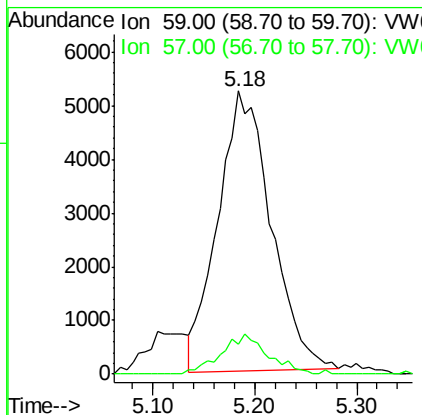
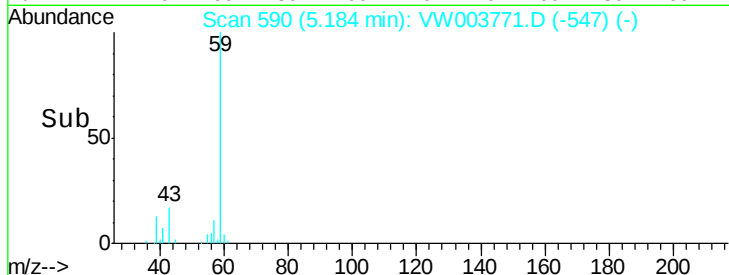
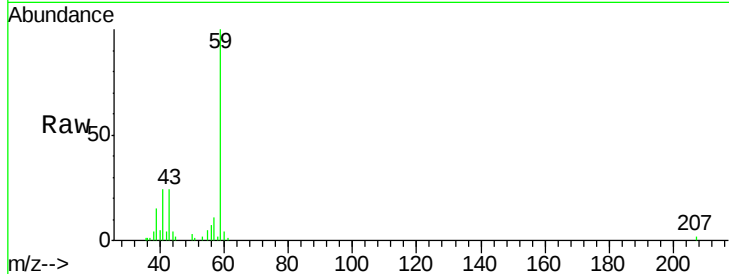
Tert butyl alcohol
Concen: 100.166 ug/l
RT: 5.18 min Scan# 590
Delta R.T. -0.04 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	59	Resp	18937
Ion Ratio	100	Lower	Upper
57	12.4	9.3	13.9

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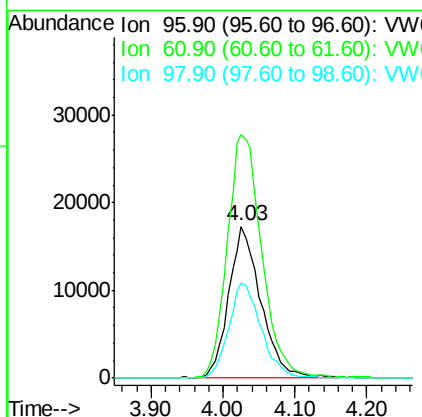
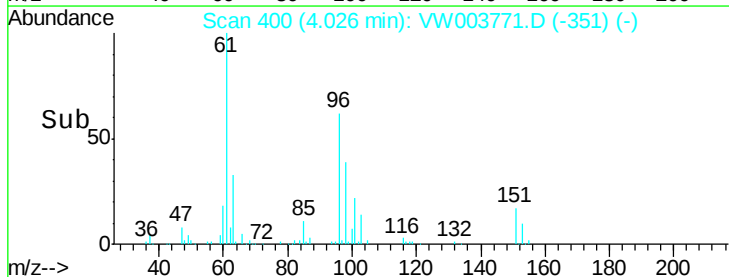
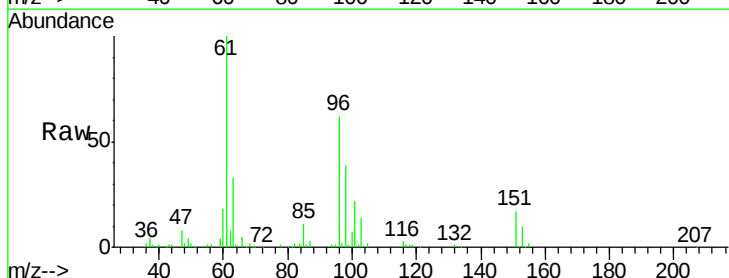
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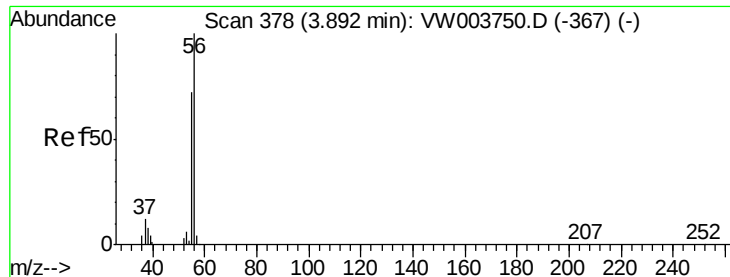


#12

1,1-Dichloroethene
Concen: 21.373 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	96	Resp	53560
Ion Ratio	100	Lower	Upper
61	160.7	143.2	214.8
98	62.9	51.4	77.0





#13

Acrolein

Concen: 101.895 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion: 56 Resp: 28673

Ion Ratio Lower Upper

56 100

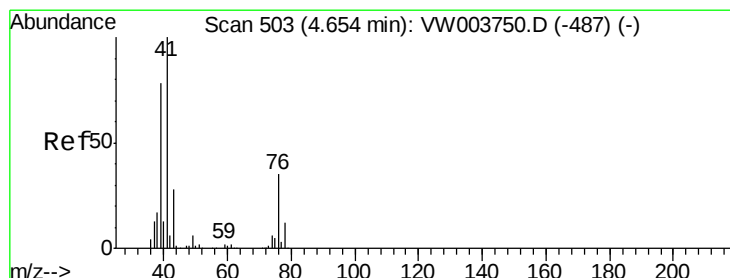
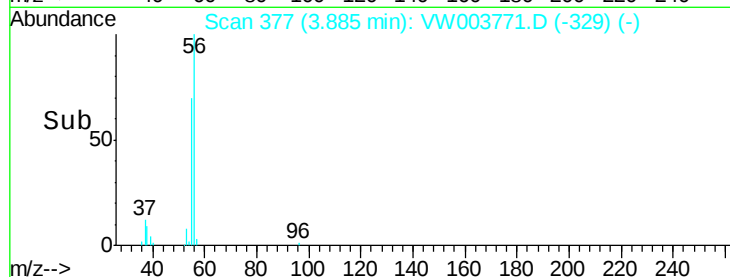
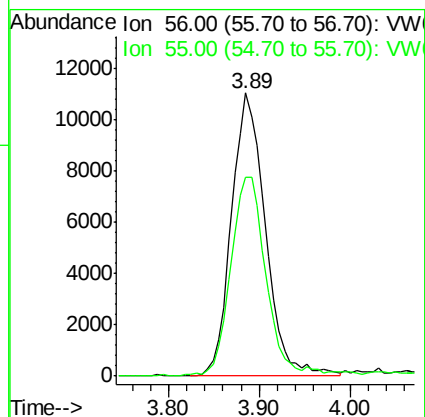
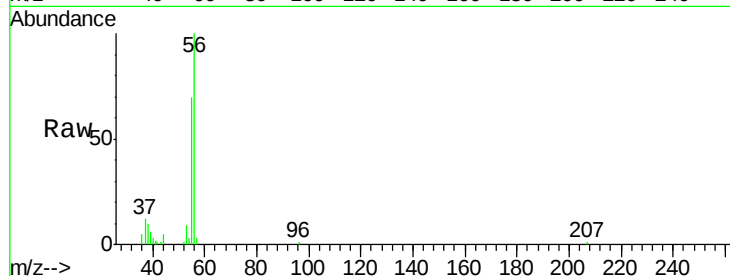
55 71.7 57.5 86.3

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#14

Allyl chloride

Concen: 21.664 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

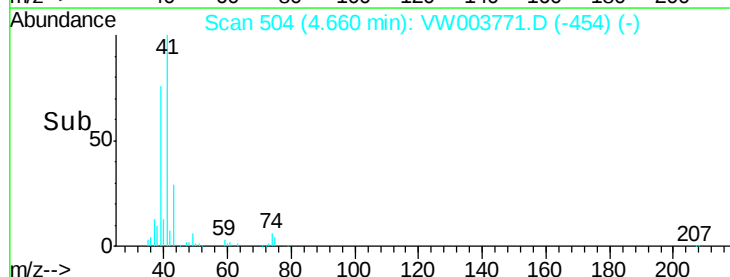
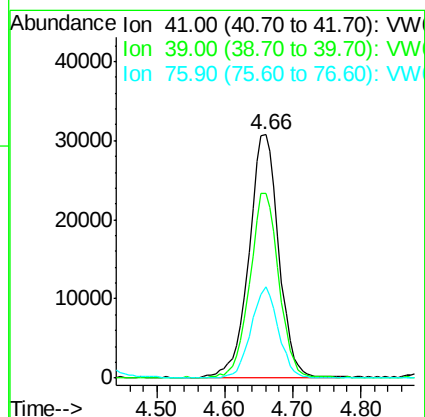
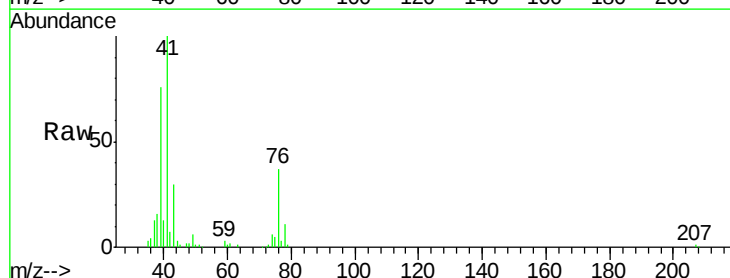
Tgt Ion: 41 Resp: 94386

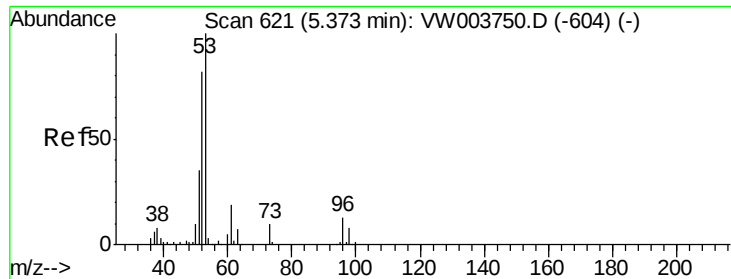
Ion Ratio Lower Upper

41 100

39 74.0 60.9 91.3

76 34.1 27.5 41.3





#15

Acrylonitrile

Concen: 101.118 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

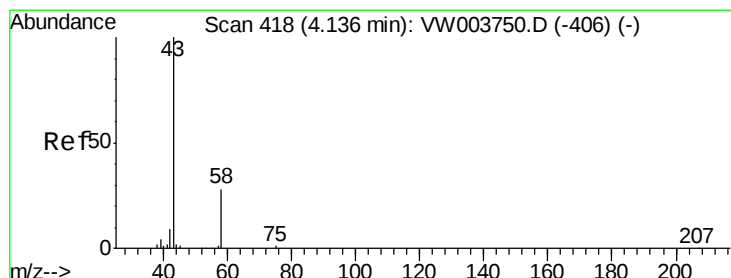
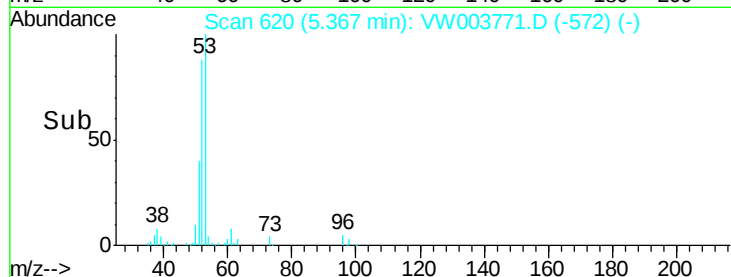
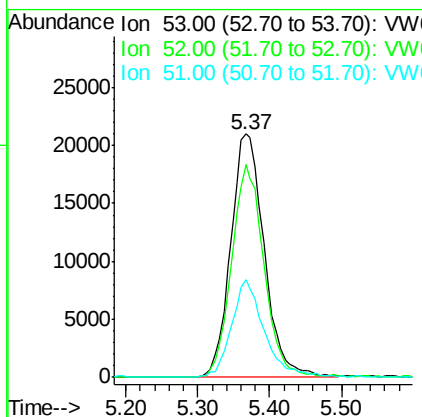
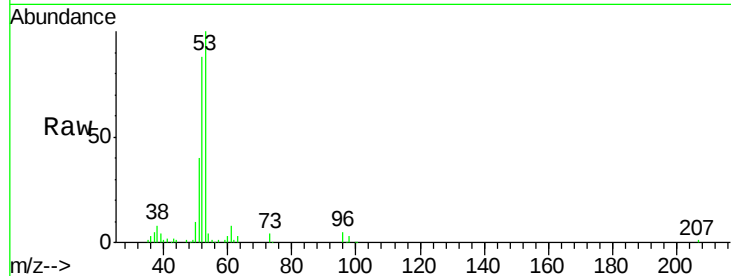
ClientSampleId :

VW0709SBS01

Tot Ion:	53	Resp:	68106
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	39.1	30.2	45.4

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#16

Acetone

Concen: 115.195 ug/l

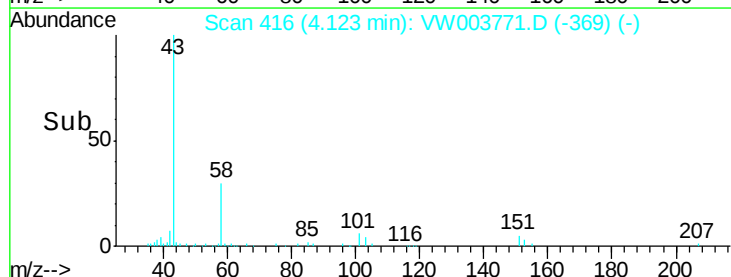
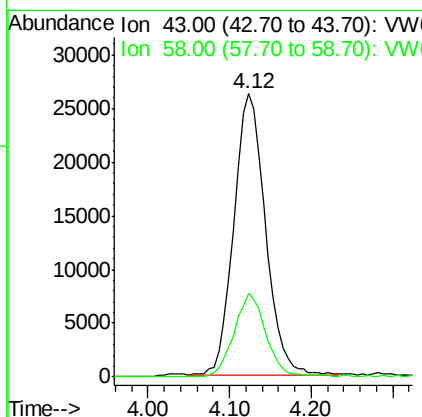
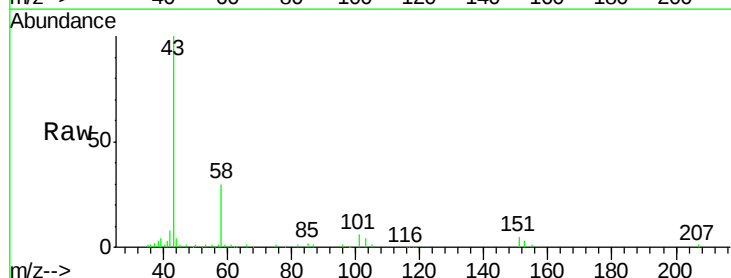
RT: 4.12 min Scan# 416

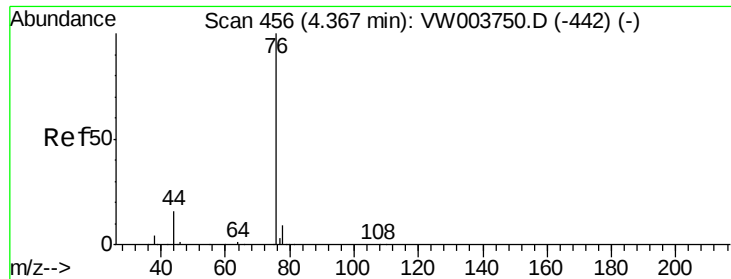
Delta R.T. -0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Tgt Ion:	43	Resp:	69723
Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.6	34.0





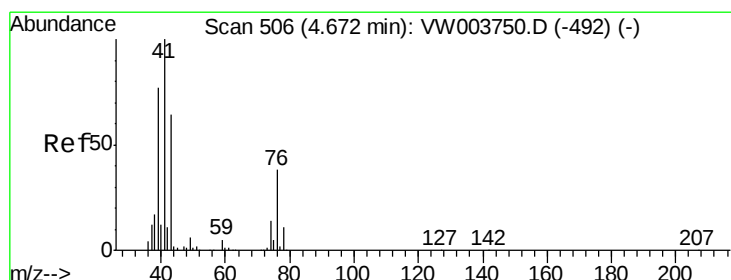
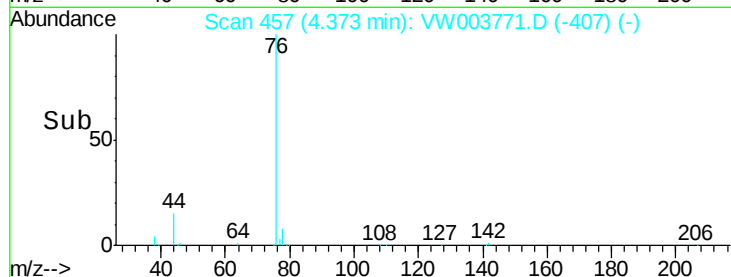
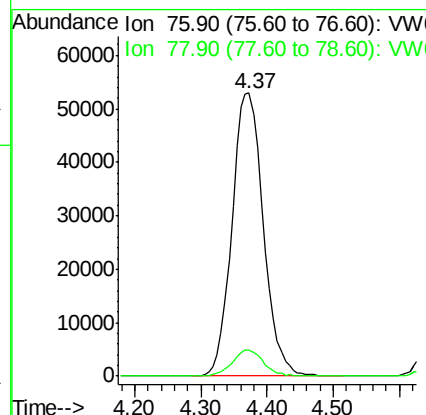
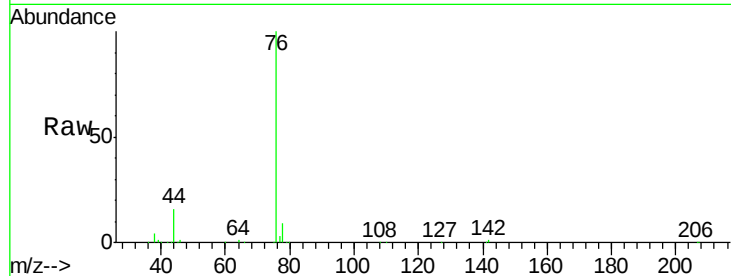
#17
Carbon Disulfide
Concen: 21.158 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

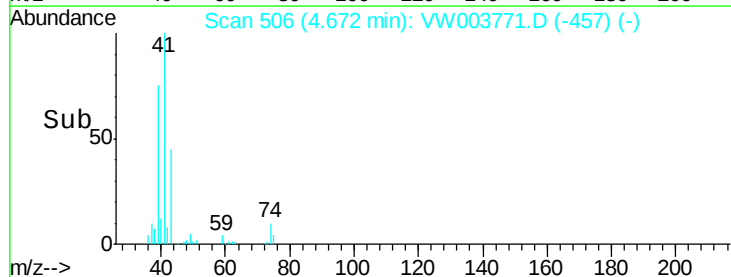
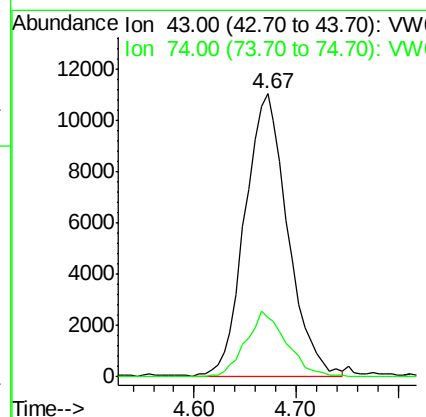
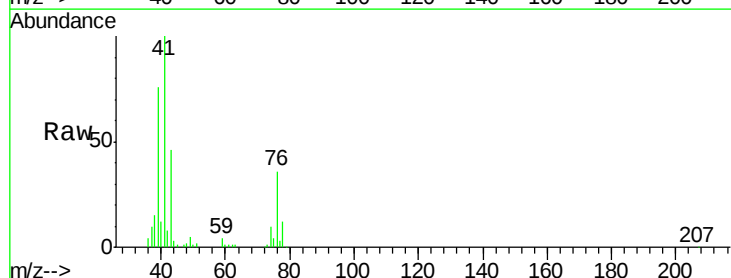
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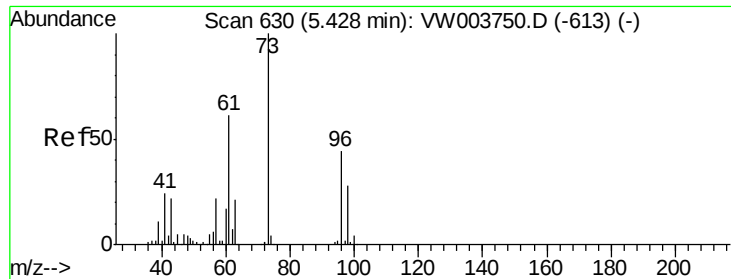
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#18
Methyl Acetate
Concen: 18.943 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.3	25.9





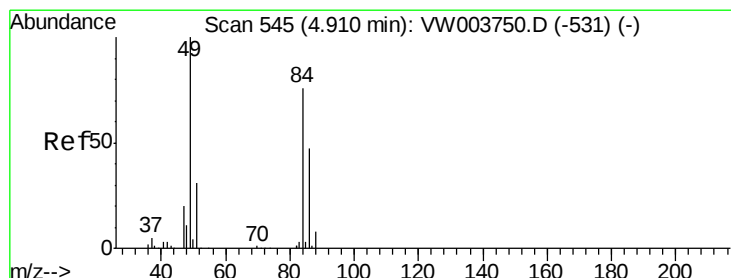
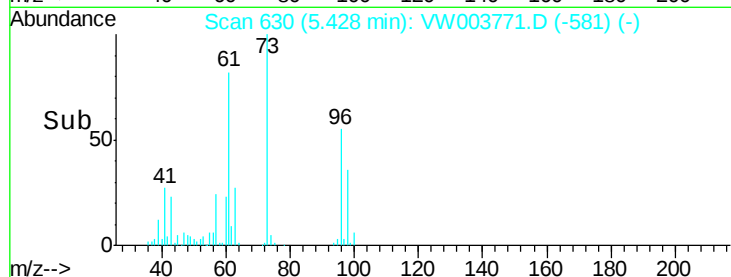
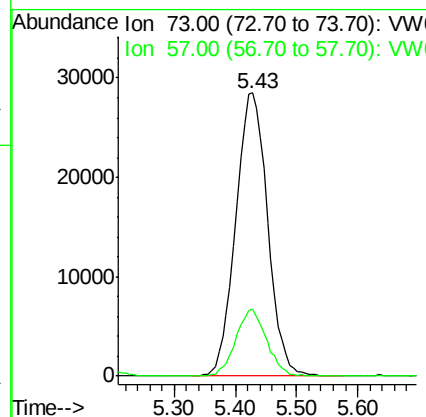
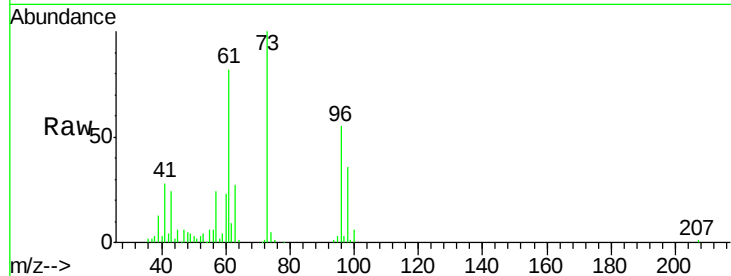
#19
Methvl tert-butvl Ether
Concen: 19.820 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBSD01

Tot Ion: 73 Resp: 102636
Ion Ratio Lower Upper
73 100
57 23.9 17.9 26.9

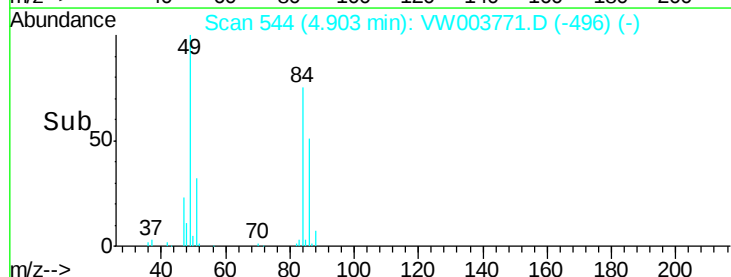
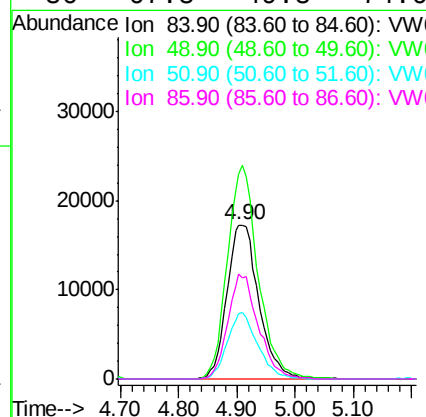
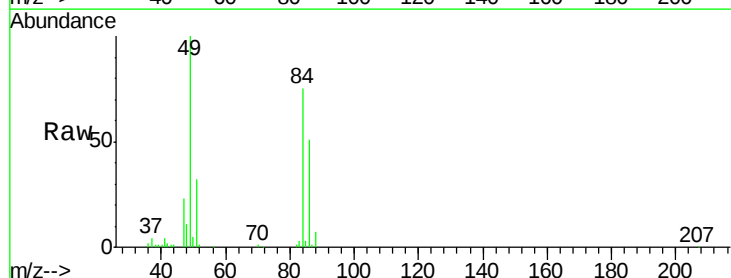
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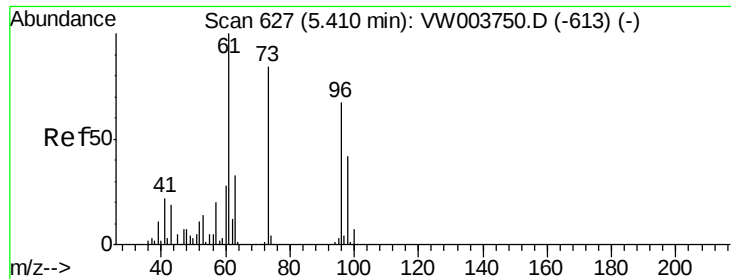
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#20
Methylene Chloride
Concen: 19.554 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion: 84 Resp: 65552
Ion Ratio Lower Upper
84 100
49 133.3 105.1 157.7
51 42.2 32.5 48.7
86 67.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.122 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

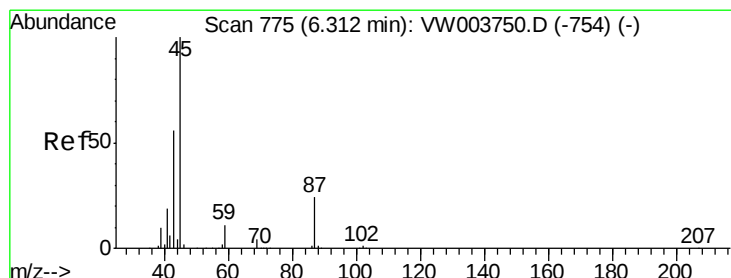
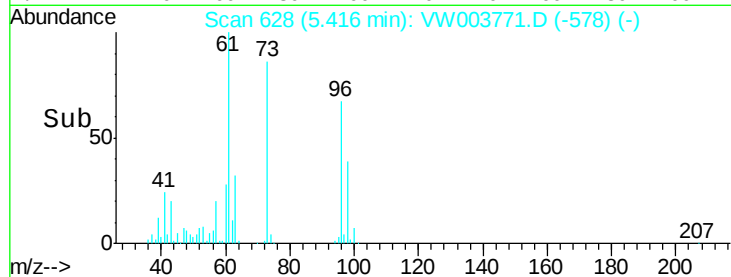
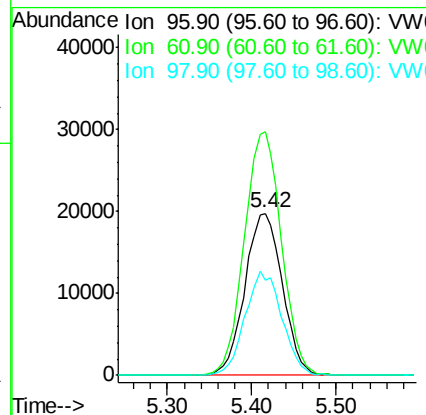
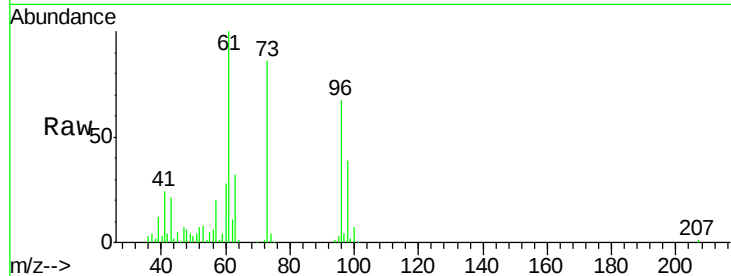
ClientSampleId :

VW0709SBSD01

Tot Ion:	96	Resp:	59698
Ion	Ratio	Lower	Upper
96	100		
61	150.3	119.0	178.6
98	58.4	49.8	74.8

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#22

Diisopropyl ether

Concen: 19.616 ug/l

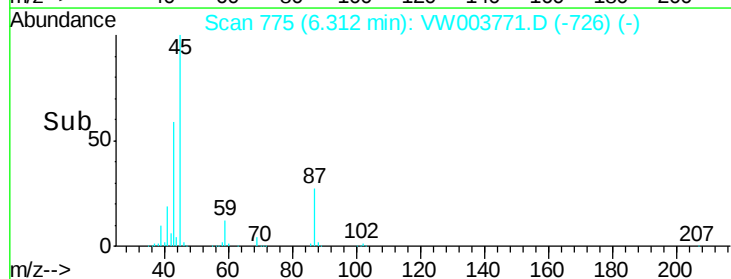
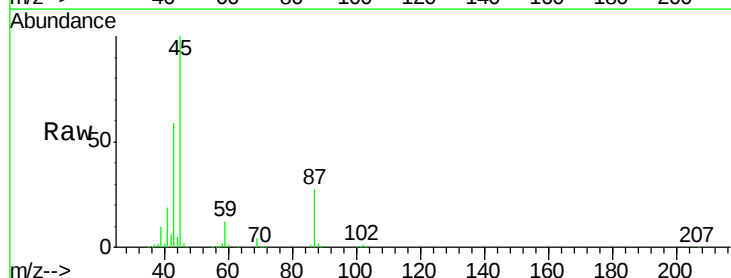
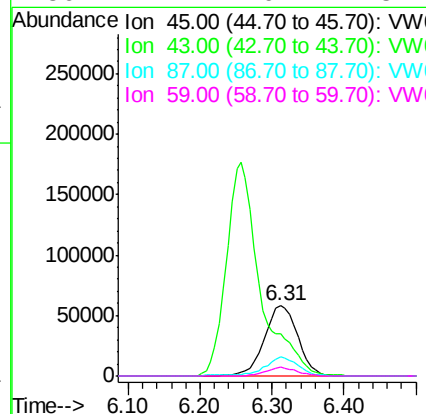
RT: 6.31 min Scan# 775

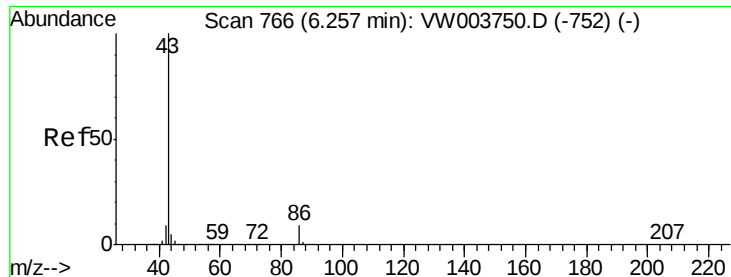
Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Tgt Ion:	45	Resp:	187892
Ion	Ratio	Lower	Upper
45	100		
43	59.3	44.5	66.7
87	26.6	19.6	29.4
59	12.2	9.1	13.7





#23

Vinyl Acetate

Concen: 98.498 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Tot Ion	43	Resp	575934
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.3	10.9

Instrument :

MSVOA_W

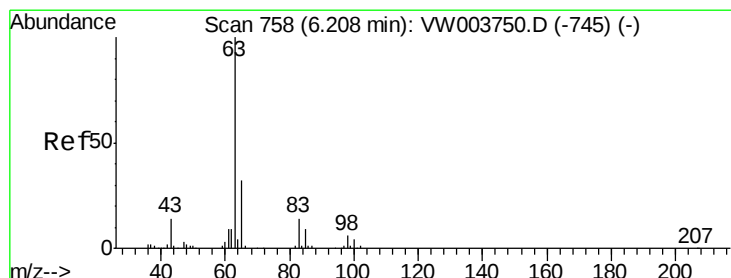
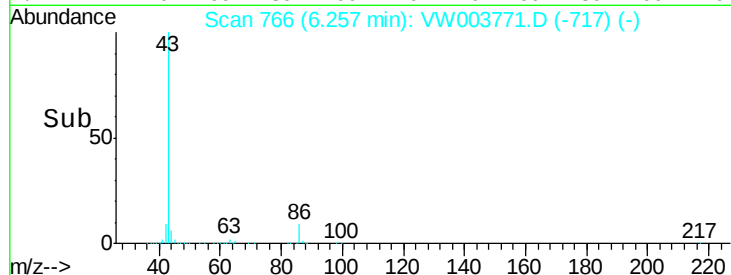
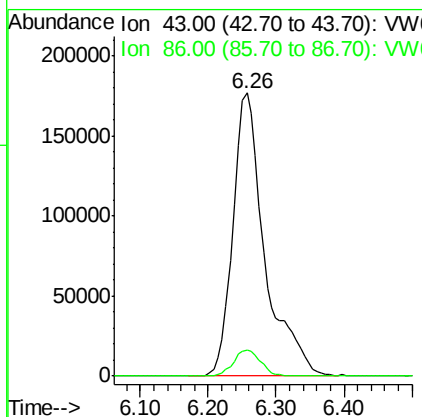
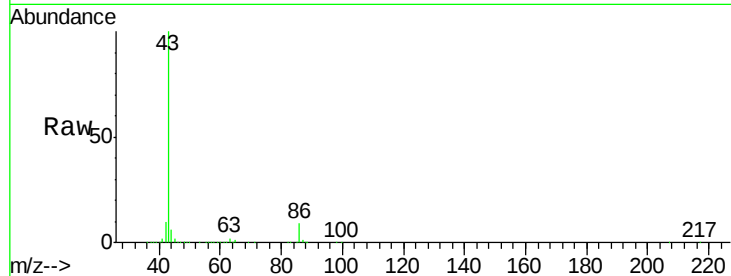
ClientSampleId :

VW0709SBS01

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#24

1,1-Dichloroethane

Concen: 19.317 ug/l

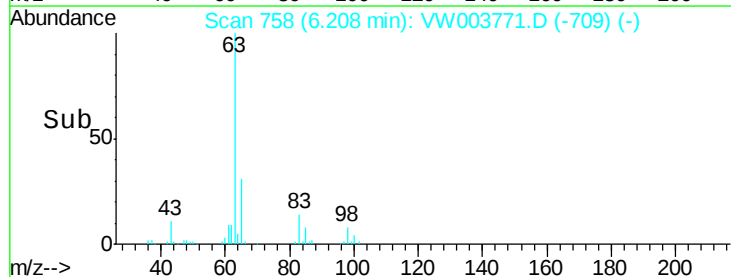
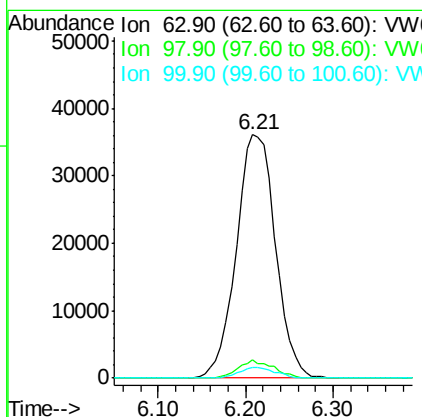
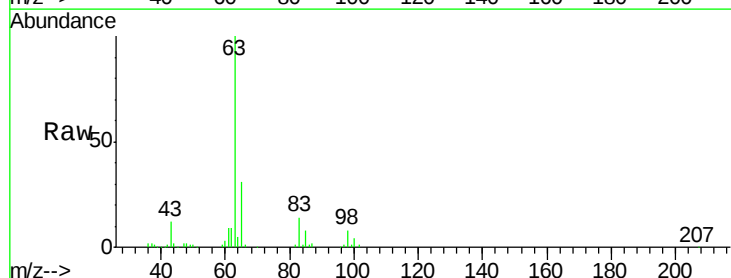
RT: 6.21 min Scan# 758

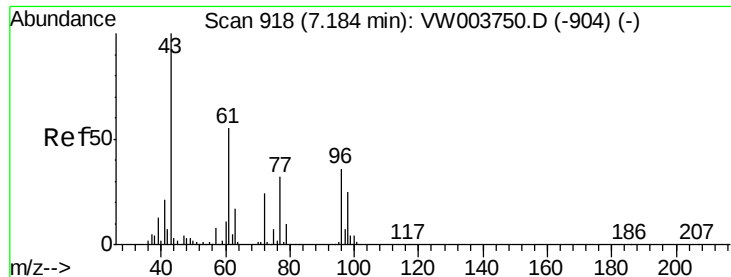
Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Tgt Ion	63	Resp	111904
Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.2	9.6
100	4.2	2.1	6.2





#25

2-Butanone

Concen: 98.388 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion: 43 Resp: 93272

Ion Ratio Lower Upper

43 100

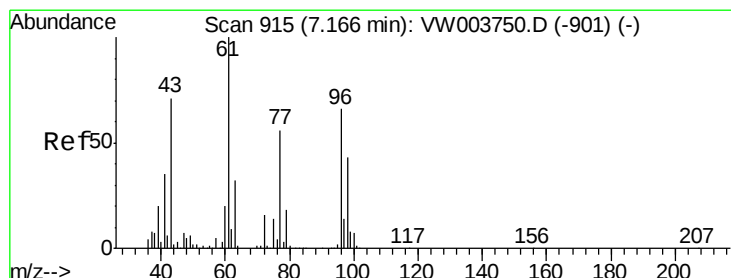
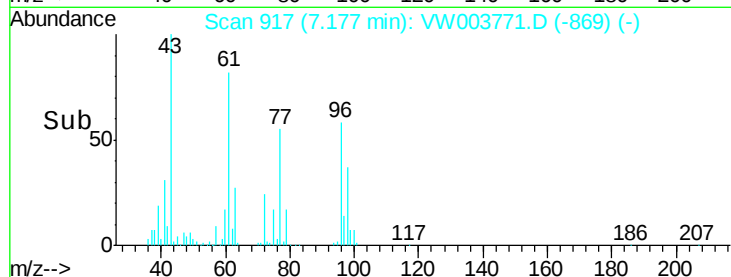
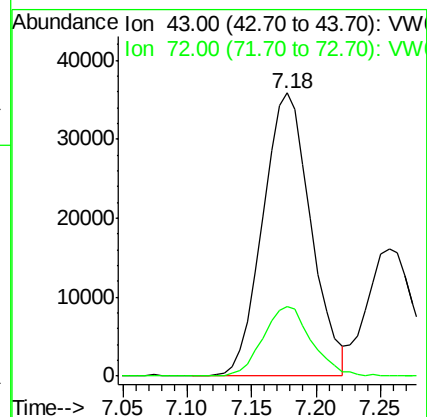
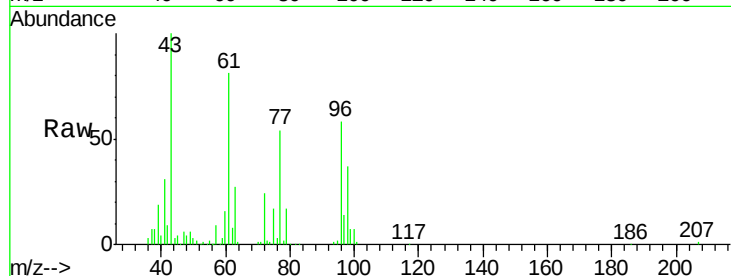
72 24.4 19.4 29.2

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#26

2,2-Dichloropropane

Concen: 21.689 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003771.D

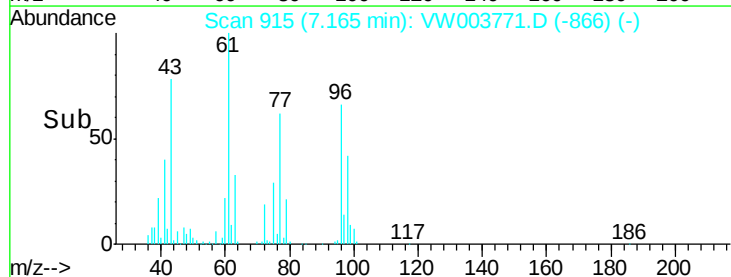
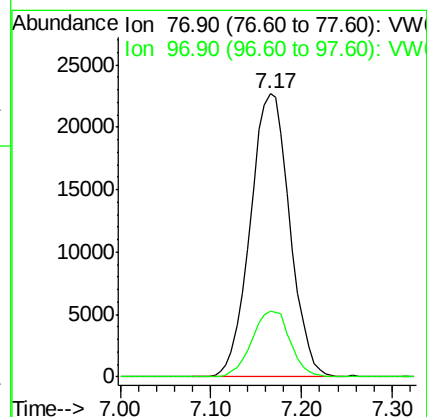
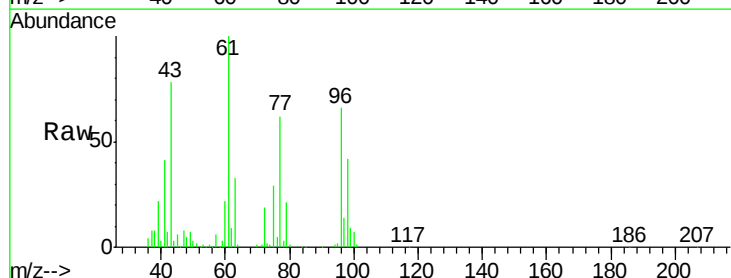
Acq: 09 Jul 2018 12:33

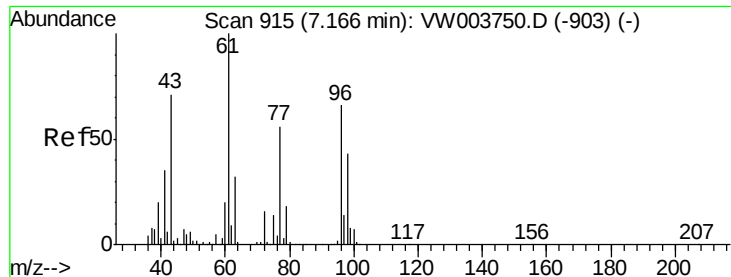
Tgt Ion: 77 Resp: 68152

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.5





#27

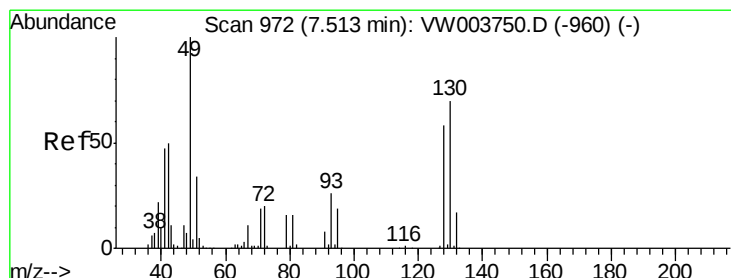
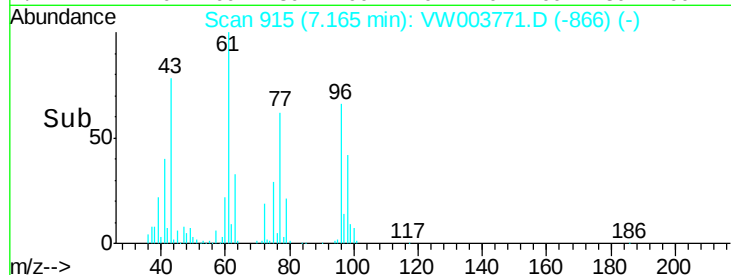
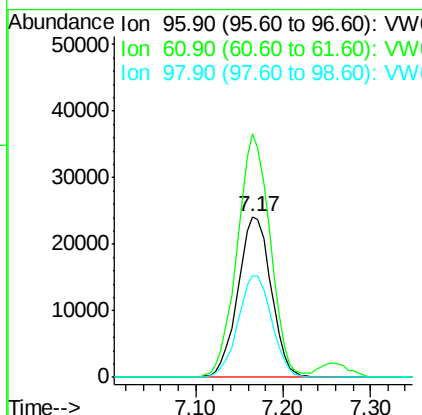
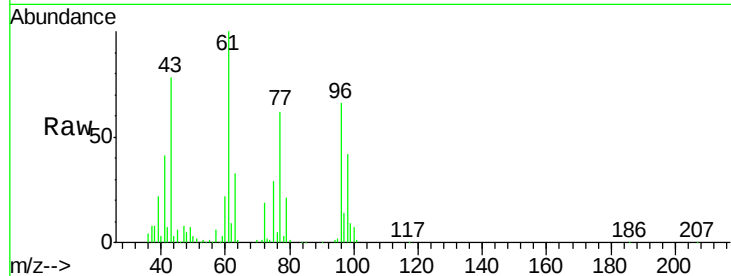
cis-1,2-Dichloroethene
Concen: 19.401 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	300.8
98	64.3	0.0	128.6

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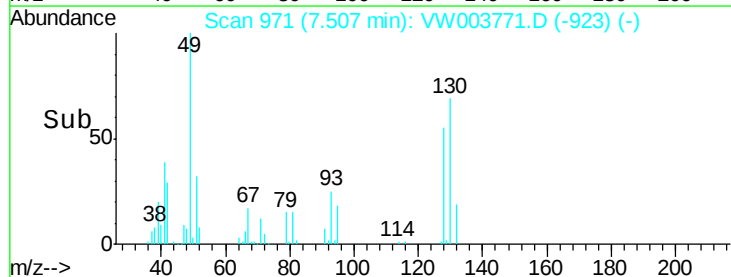
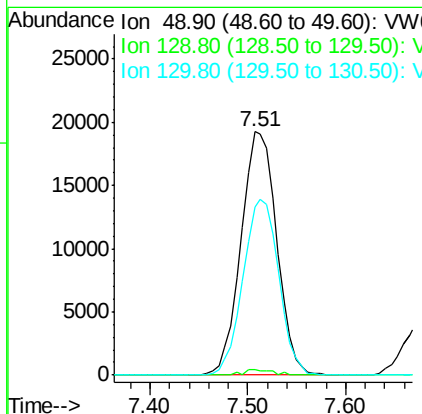
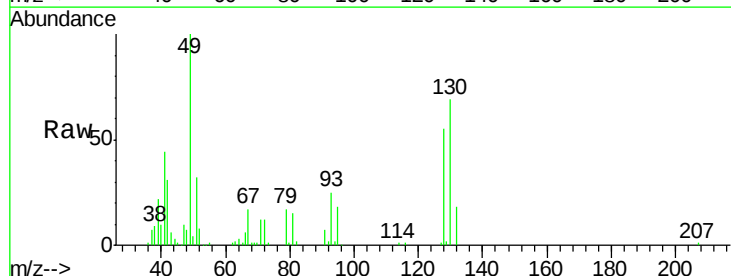
apatel
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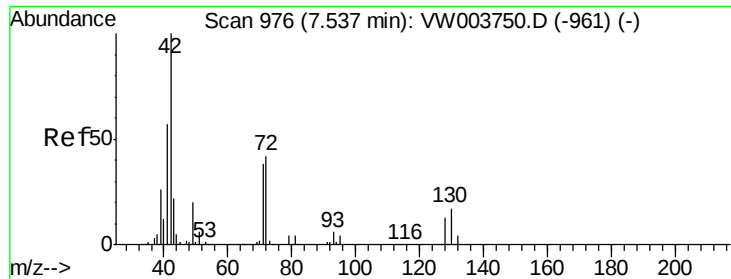


#28

Bromochloromethane
Concen: 18.968 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	72.2	56.9	85.3





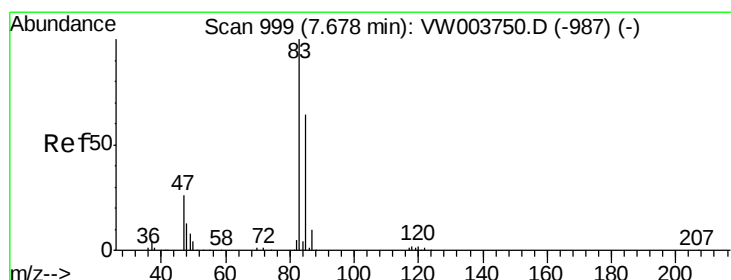
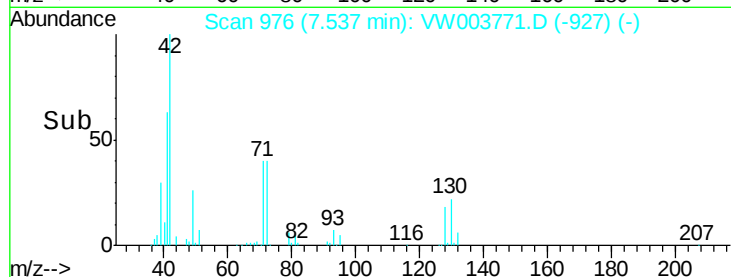
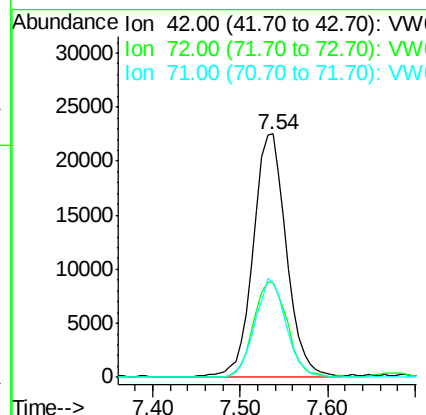
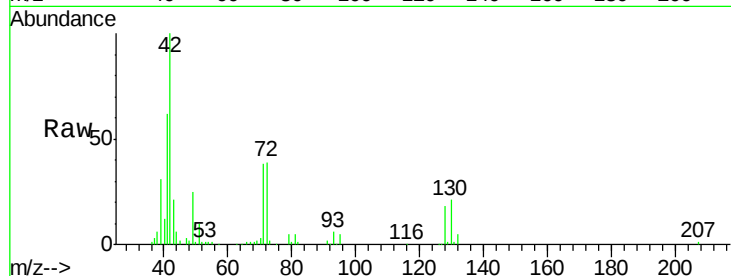
#29
Tetrahydrofuran
Concen: 98.285 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.8	47.8
71	38.1	30.3	45.5

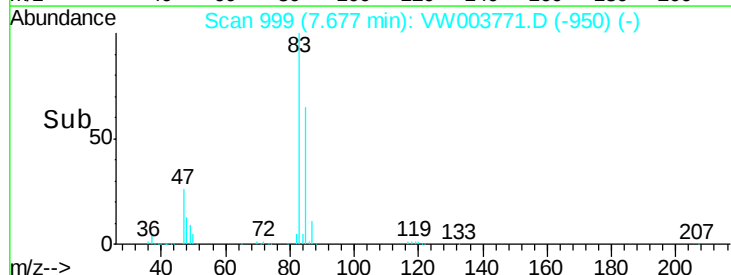
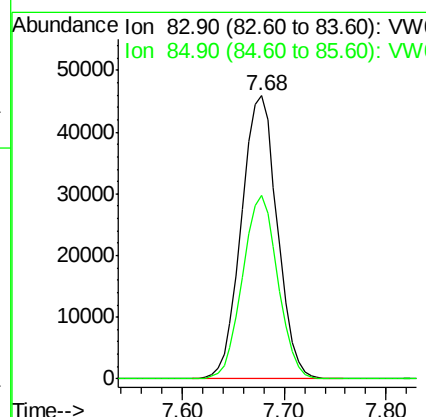
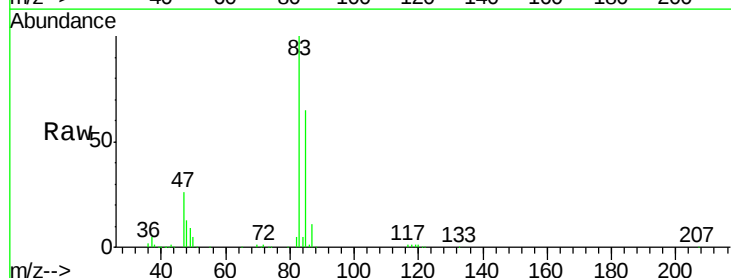
Manual Integrations
APPROVED

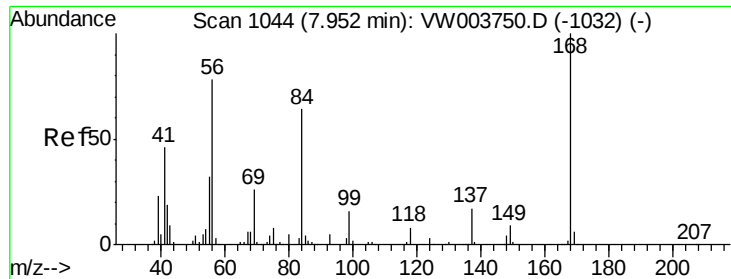
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#30
Chloroform
Concen: 18.961 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3





#31

Cyclohexane

Concen: 20.163 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

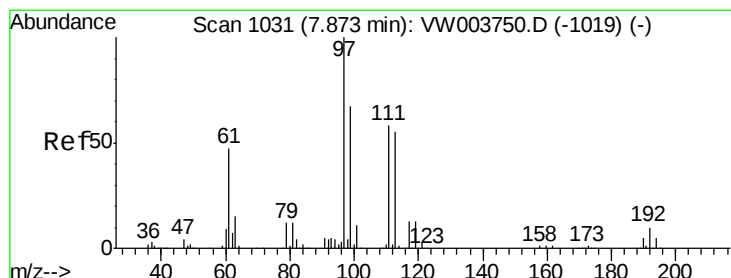
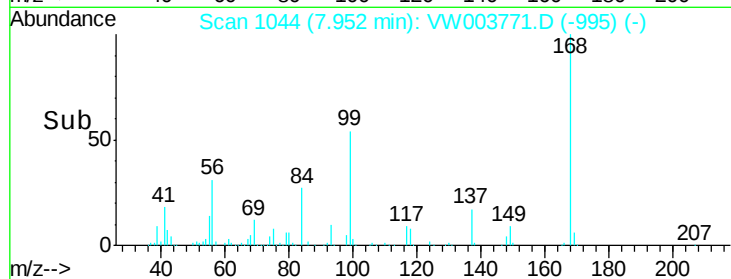
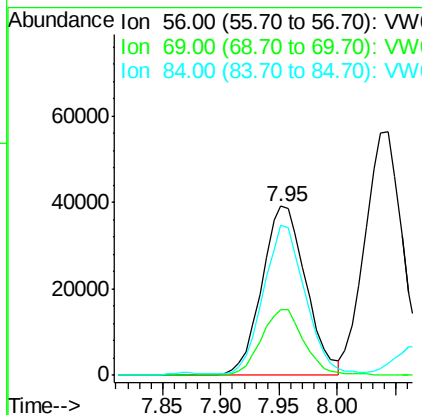
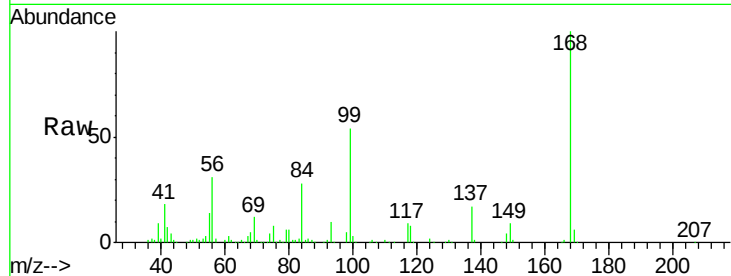
ClientSampleID :

VW0709SBS01

Tot Ion:	56	Resp:	102645
Ion Ratio	Lower	Upper	
56	100		
69	38.4	26.2	39.4
84	87.0	65.5	98.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.859 ug/l

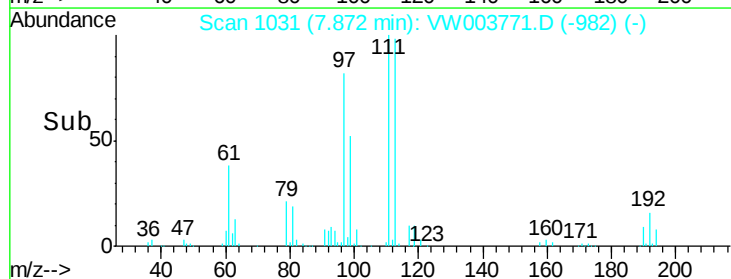
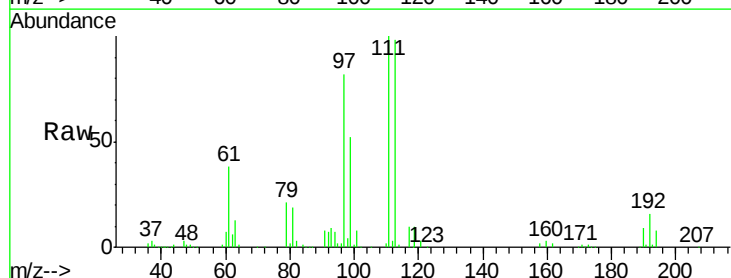
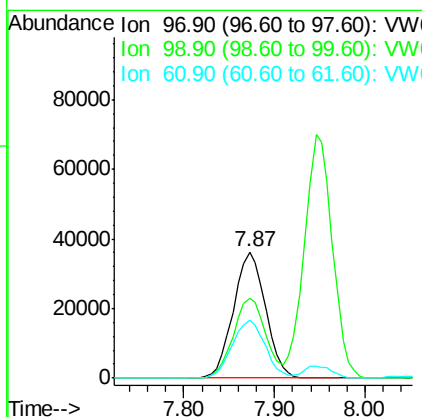
RT: 7.87 min Scan# 1031

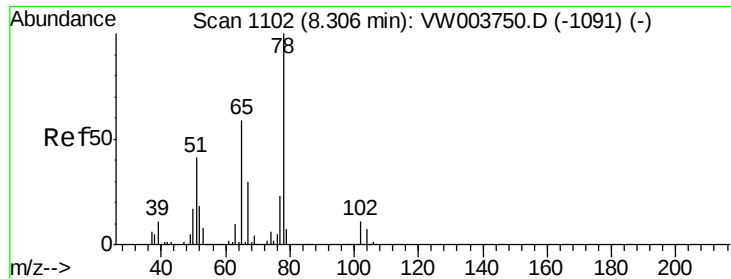
Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Tgt Ion:	97	Resp:	89320
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.2	76.8
61	46.9	37.6	56.4





#33

1,2-Dichloroethane-d4

Concen: 44.160 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion: 65 Resp: 154056

Ion Ratio Lower Upper

65 100

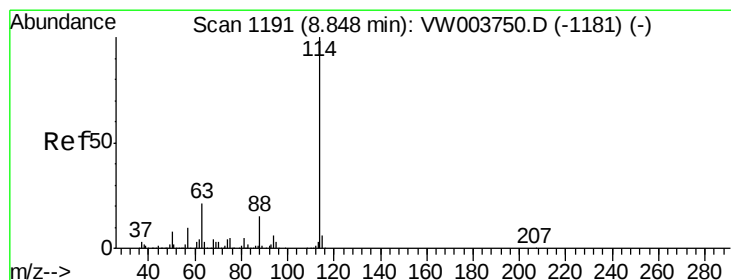
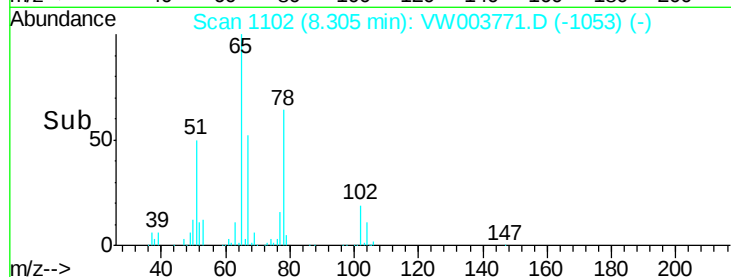
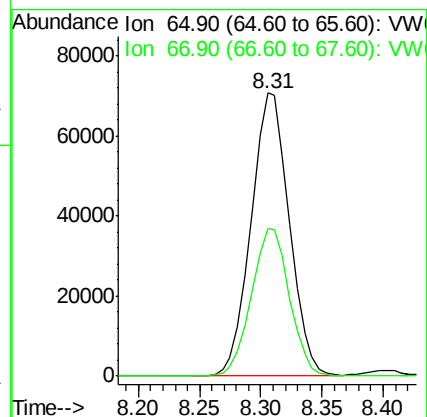
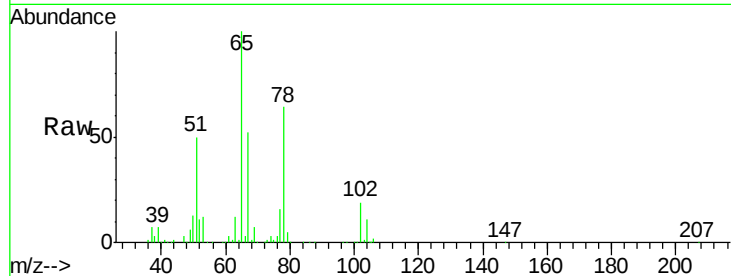
67 51.9 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

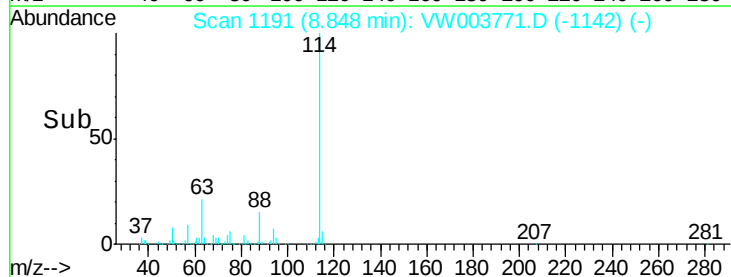
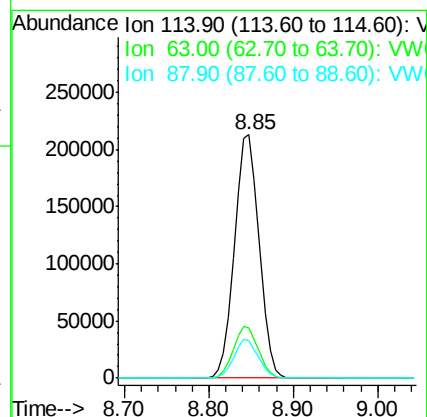
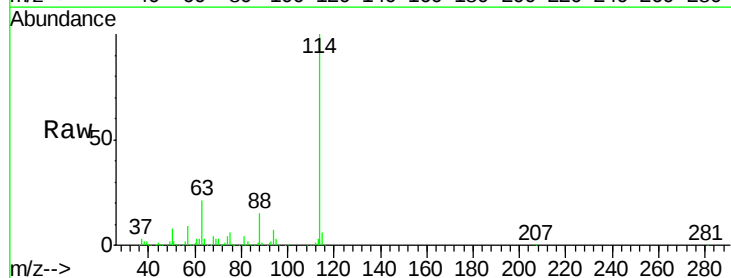
Tgt Ion: 114 Resp: 420519

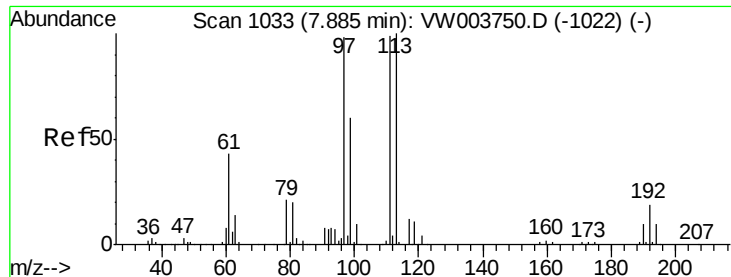
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.8

88 15.2 0.0 30.2





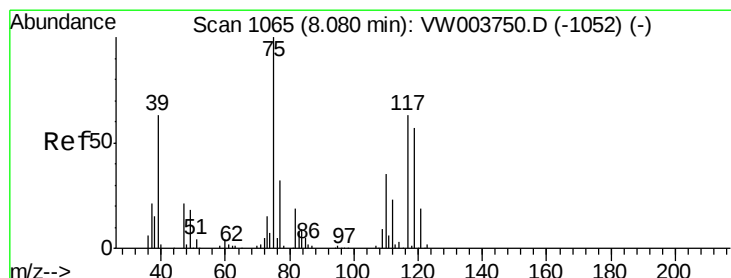
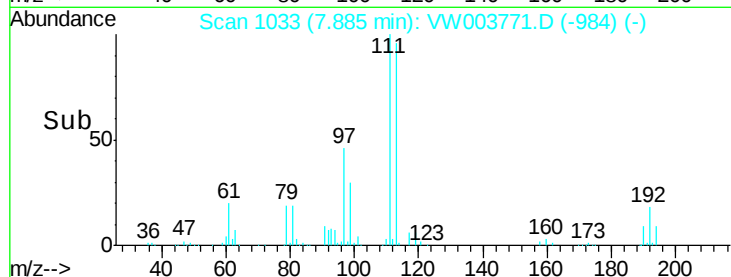
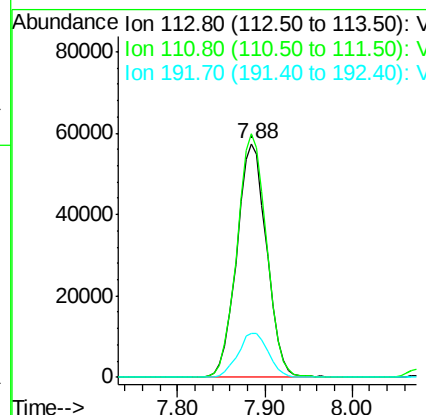
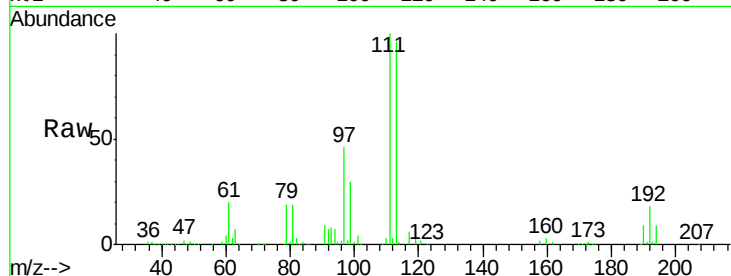
#35
 Dibromofluoromethane
 Concen: 46.166 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.7	122.5
192	19.3	15.8	23.8

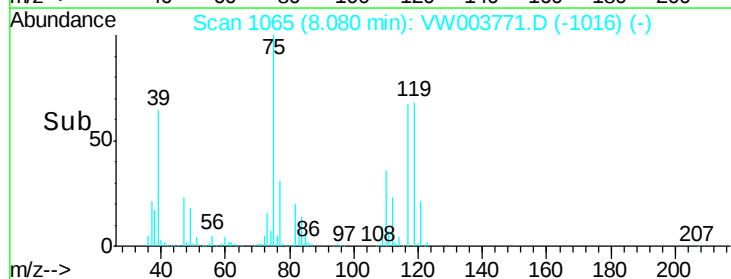
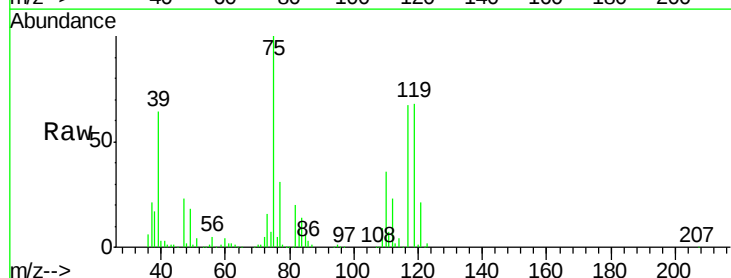
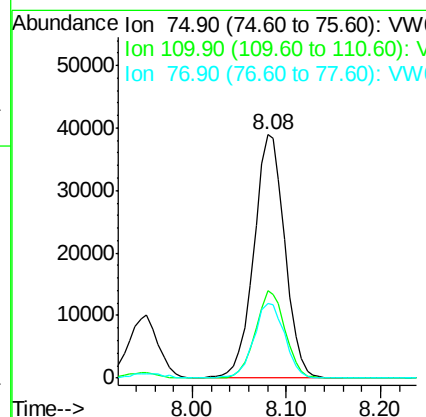
Manual Integrations
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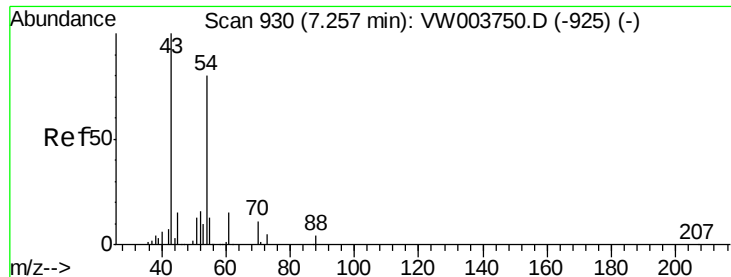
apatel
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#36
 1,1-Dichloropropene
 Concen: 20.121 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.6
77	31.0	24.8	37.2





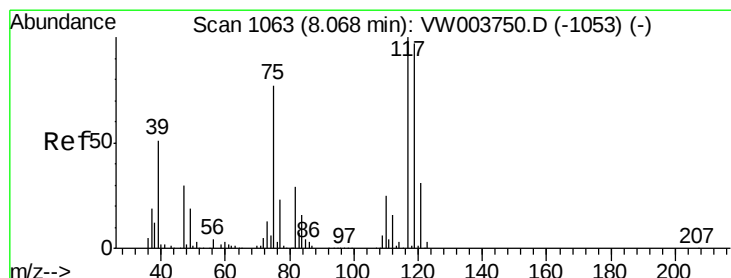
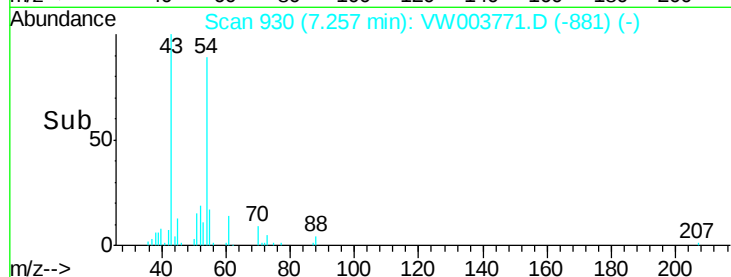
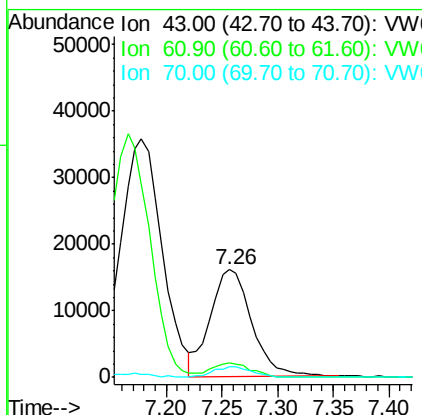
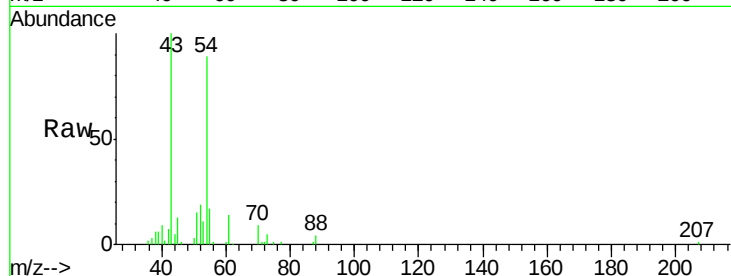
#37
Ethyl Acetate
Concen: 19.063 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleID :
VW0709SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.6	15.8
70	9.3	7.5	11.3

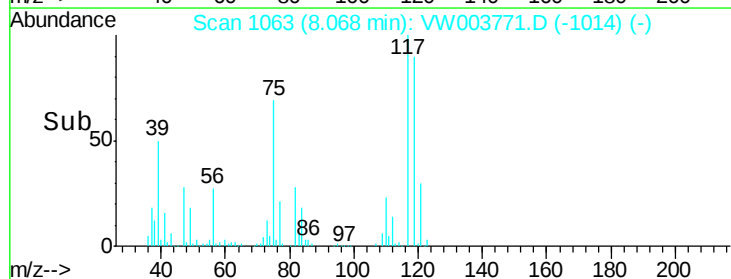
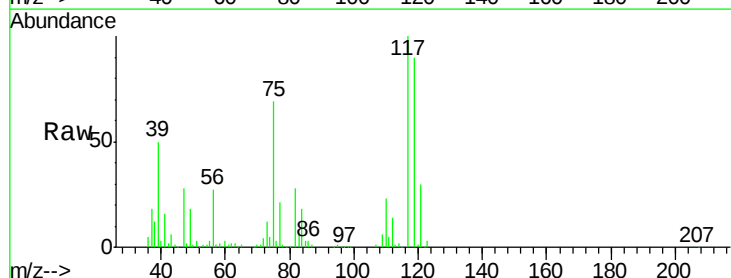
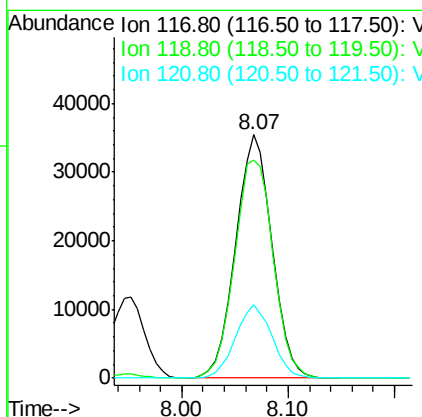
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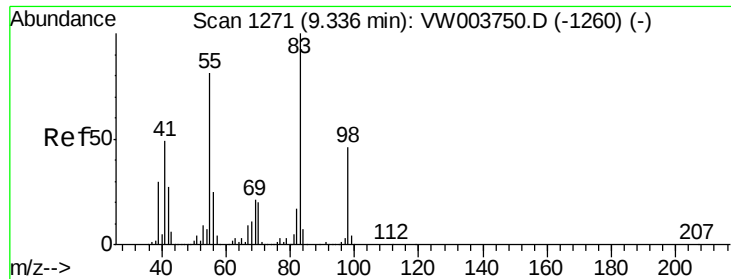
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#38
Carbon Tetrachloride
Concen: 20.002 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.7	77.4	116.2
121	30.4	24.6	37.0





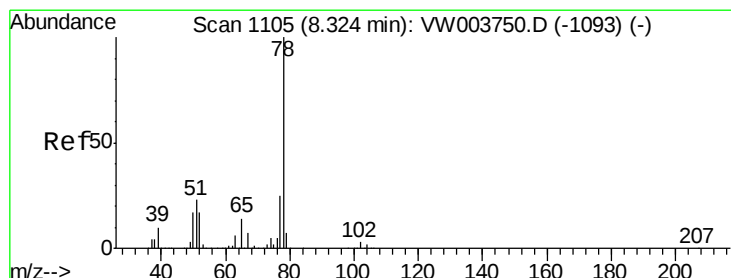
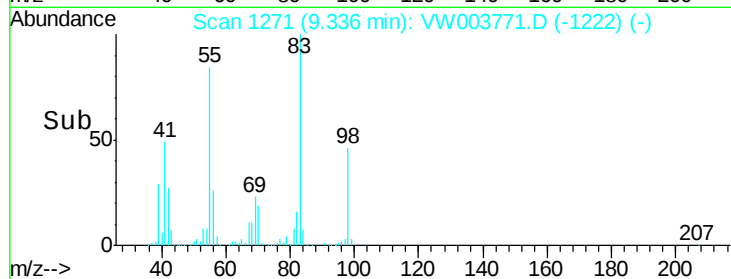
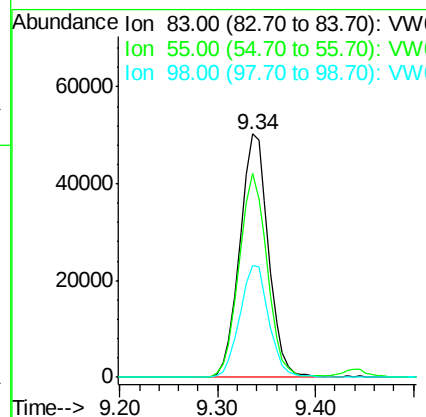
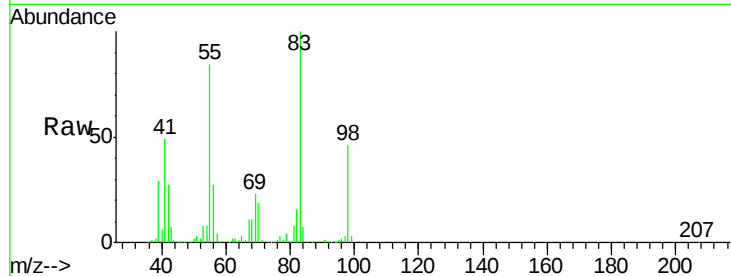
#39
Methvlcvclohexane
Concen: 20.926 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	102263		
55	84.0		65.1	97.7
98	45.8		36.7	55.1

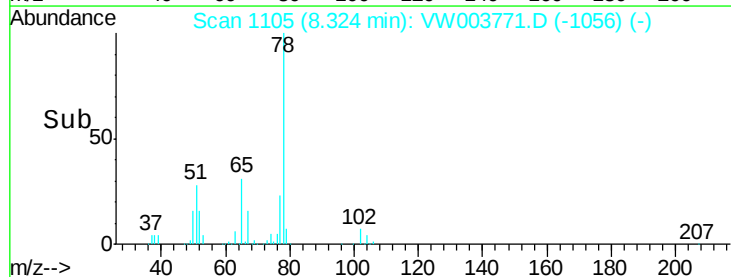
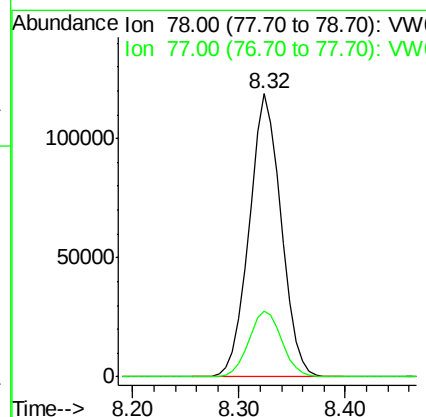
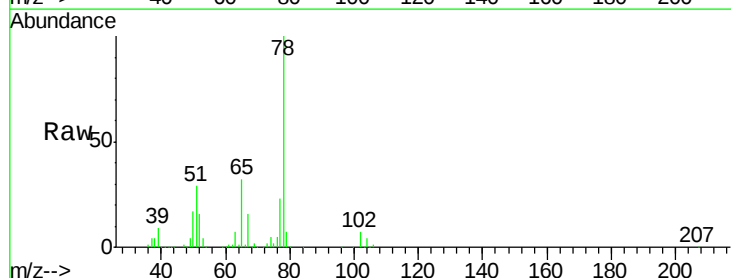
Manual Integrations
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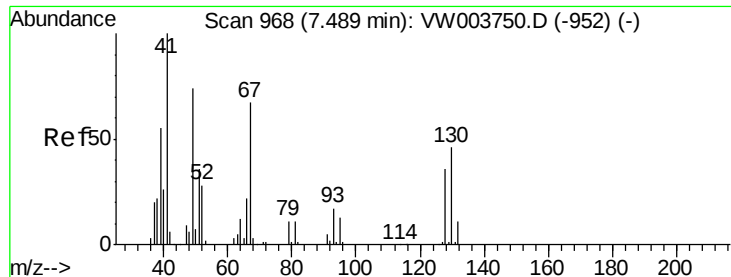
apatel
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#40
Benzene
Concen: 19.615 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	250215		
77	23.4		19.7	29.5





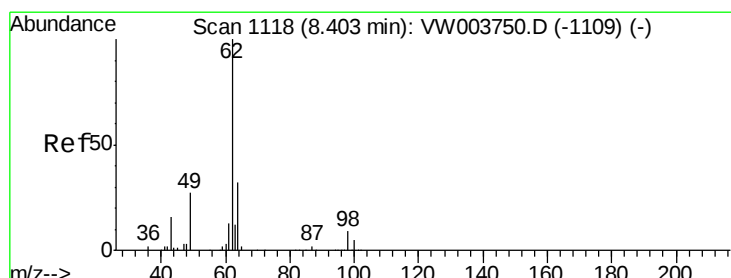
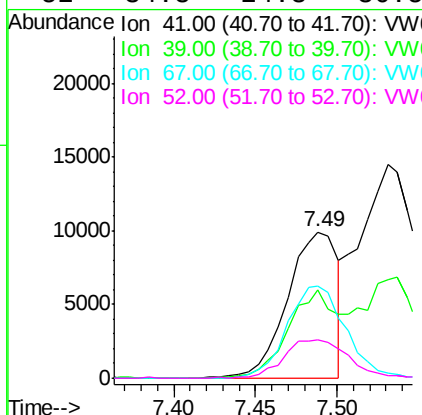
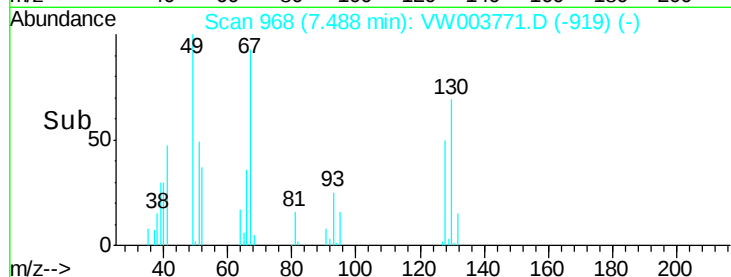
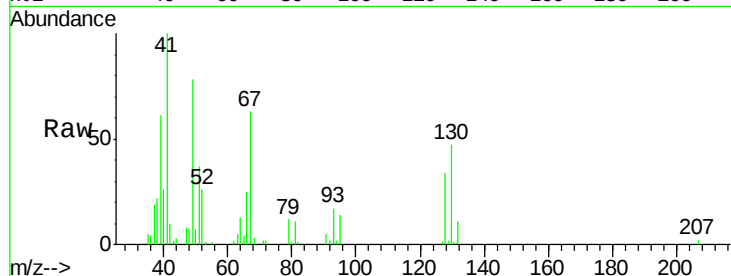
#41
Methacrylonitrile
Concen: 16.900 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	41	Resp	21106
Ion	Ratio	Lower	Upper
41	100		
39	64.3	49.5	74.3
67	74.2	53.8	80.8
52	34.8	24.3	36.5

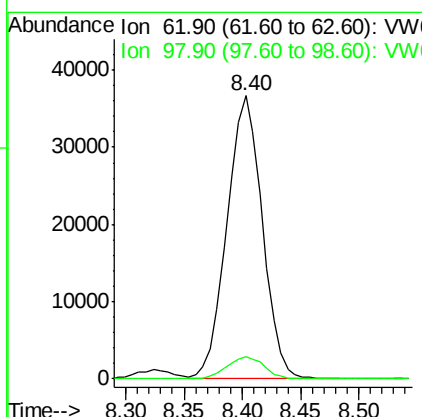
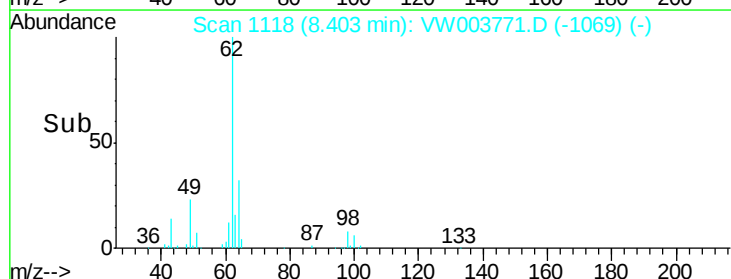
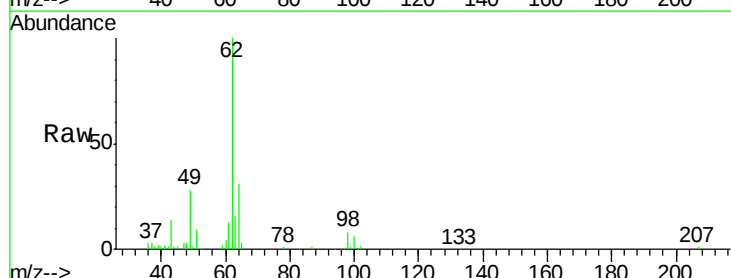
Manual Integrations
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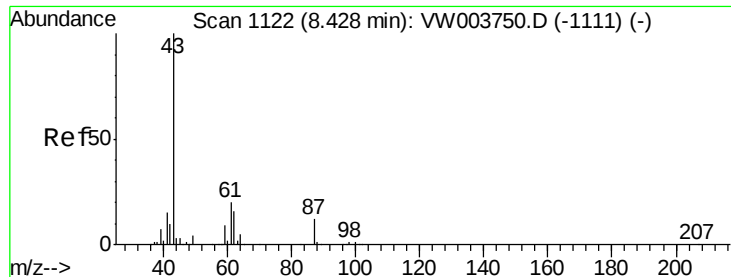
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#42
1,2-Dichloroethane
Concen: 18.779 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	62	Resp	77526
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43

Isopropyl Acetate

Concen: 18.360 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

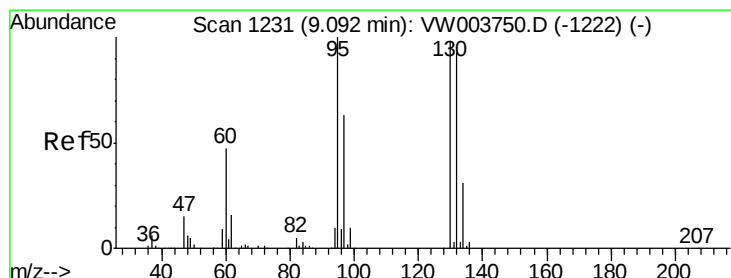
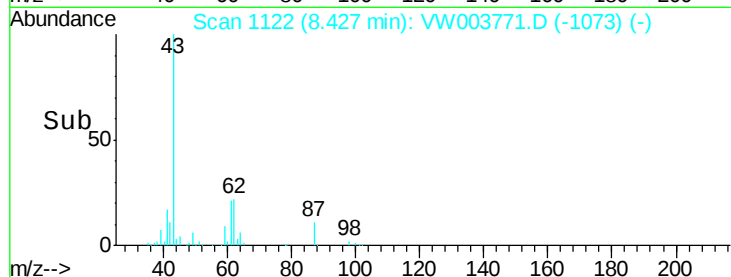
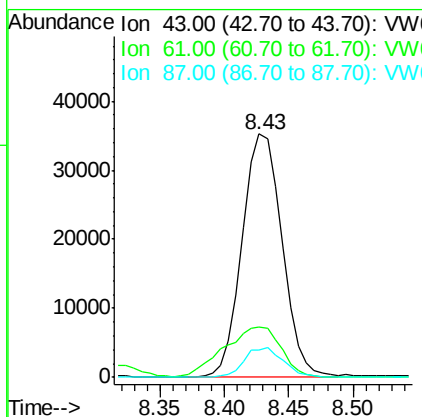
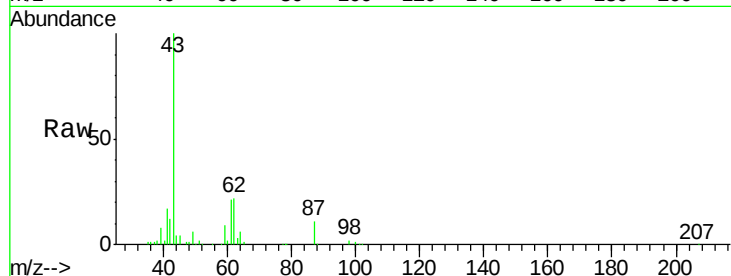
ClientSampleId :

VW0709SBS01

Tot Ion:	43	Resp:	75544
Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.8	34.2
87	12.0	9.5	14.3

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#44

Trichloroethene

Concen: 19.972 ug/l

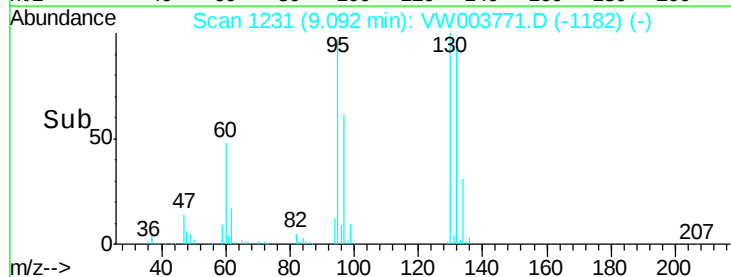
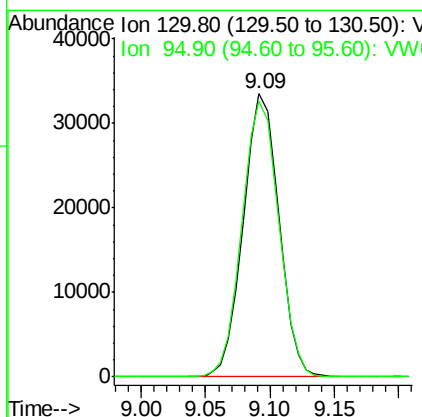
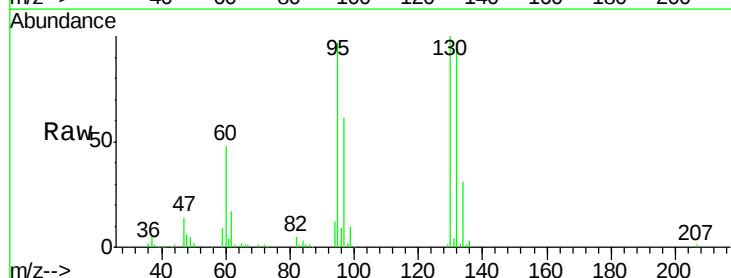
RT: 9.09 min Scan# 1231

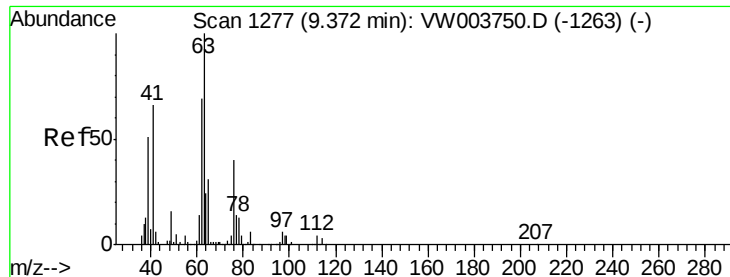
Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Tgt Ion:	130	Resp:	64226
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	203.8





#45

1,2-Dichloropropane

Concen: 19.074 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBSD01

Tot Ion: 63 Resp: 63262

Ion Ratio Lower Upper

63 100

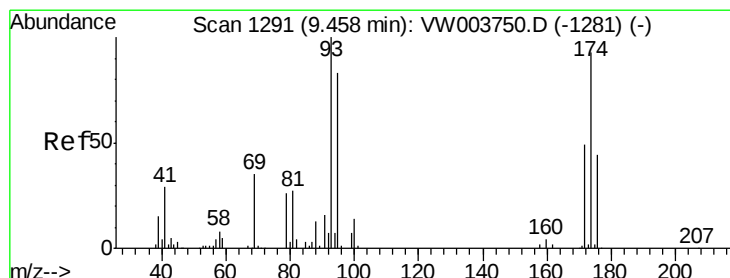
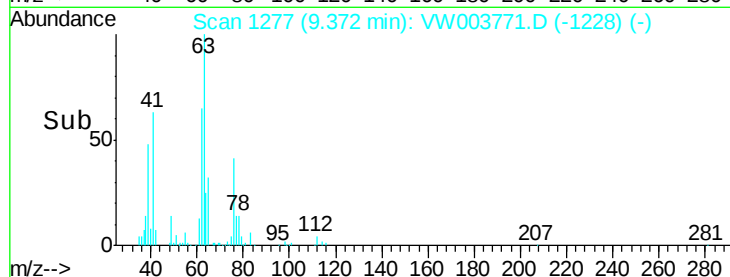
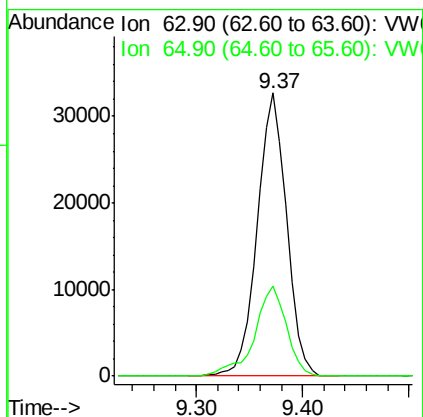
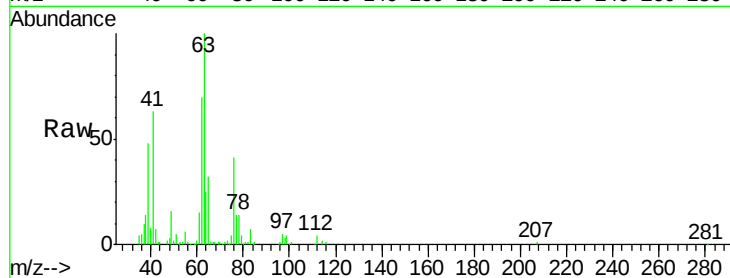
65 32.1 24.9 37.3

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#46

Dibromomethane

Concen: 19.189 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

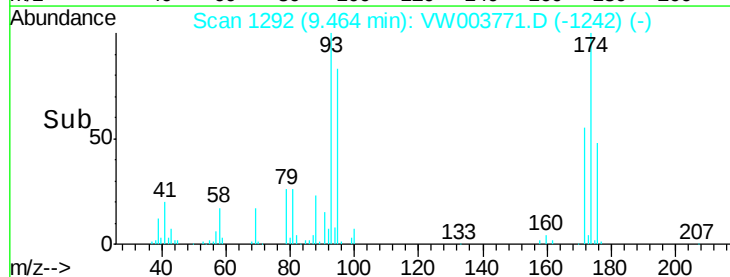
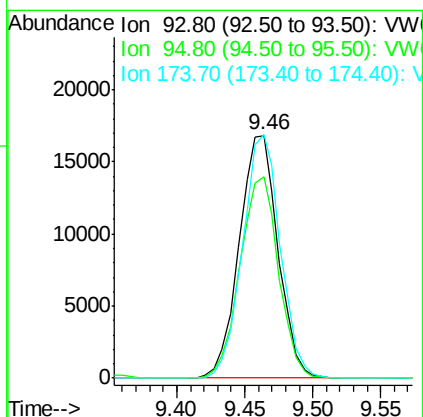
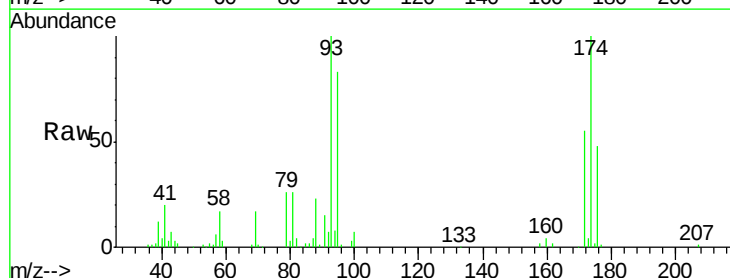
Tgt Ion: 93 Resp: 33466

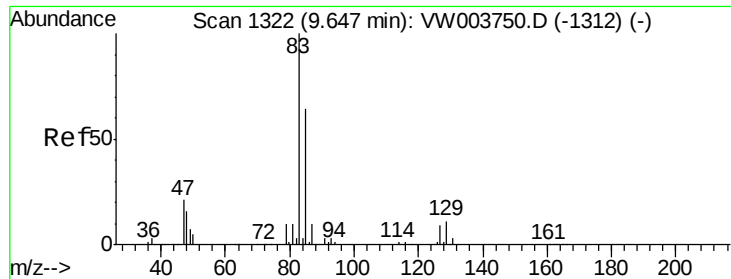
Ion Ratio Lower Upper

93 100

95 82.5 67.2 100.8

174 98.1 78.1 117.1





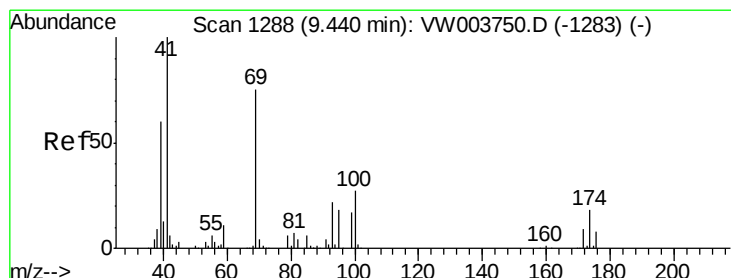
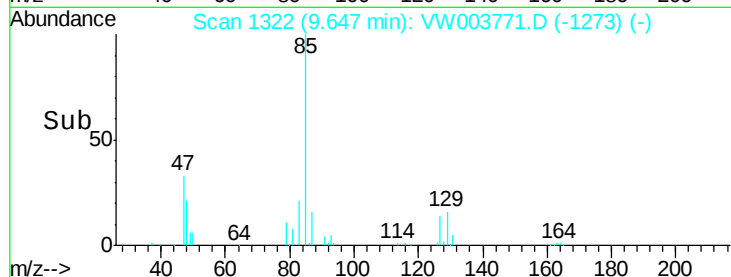
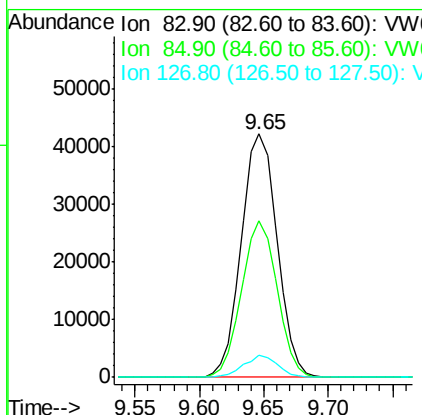
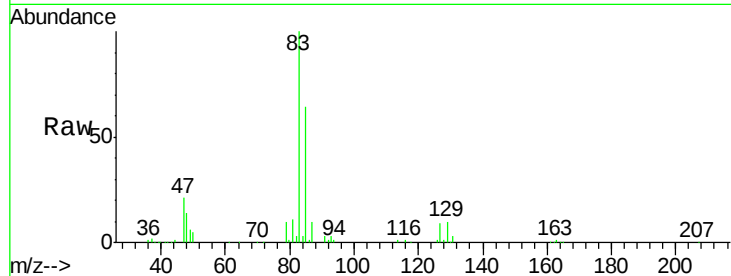
#47
Bromodichloromethane
Concen: 18.975 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	83	Resp	81408
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	9.0	6.8	10.2

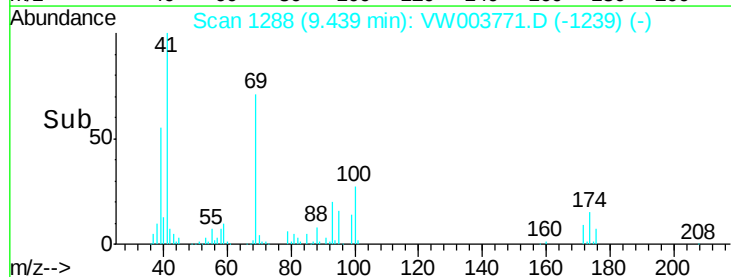
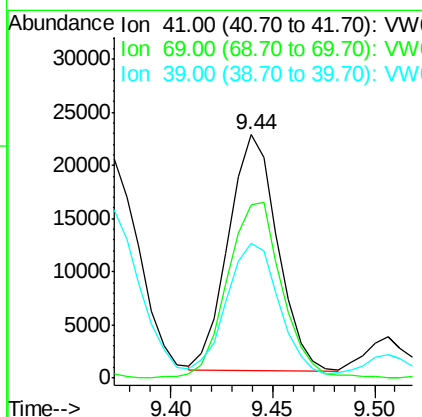
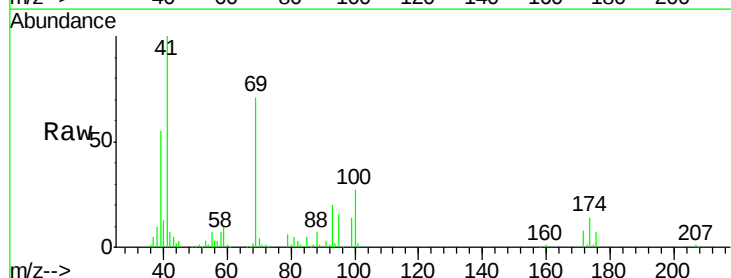
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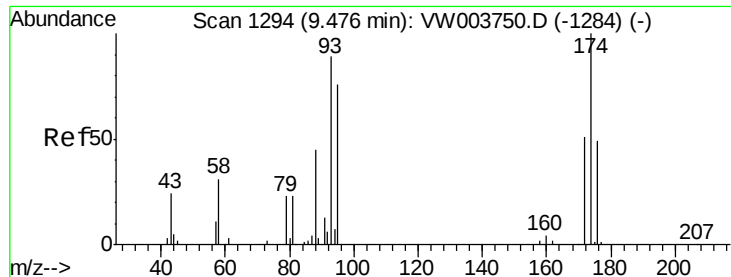
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#48
Methyl methacrylate
Concen: 18.906 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	41	Resp	37048
Ion Ratio	100	Lower	Upper
41	100		
69	82.0	63.8	95.8
39	62.3	50.2	75.2





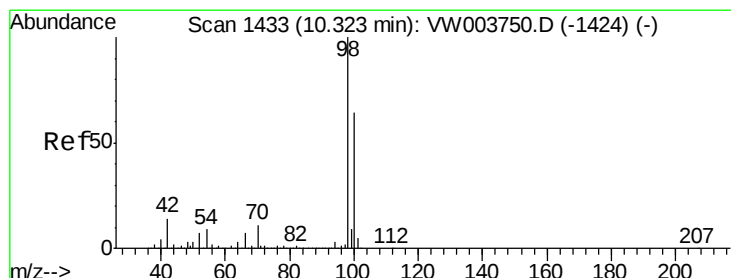
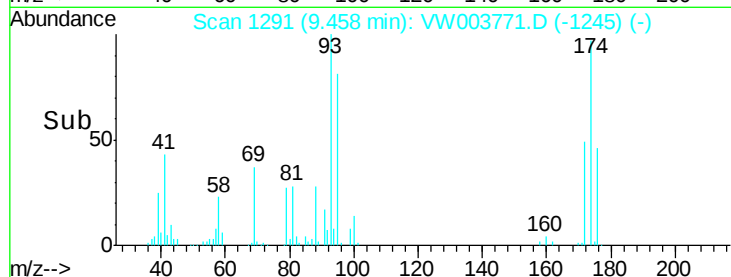
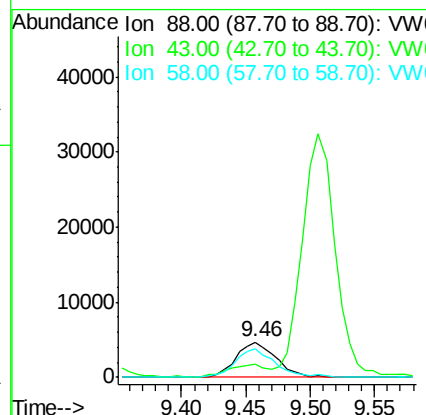
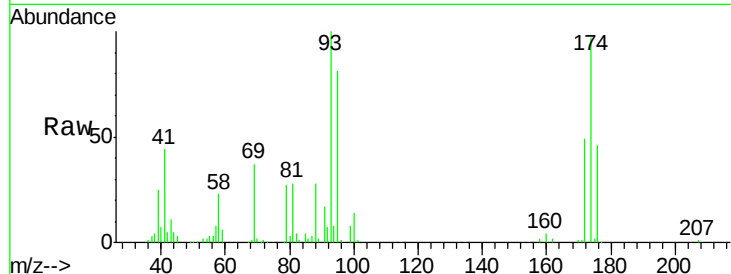
#49
1,4-Dioxane
Concen: 385.116 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. -0.02 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	88	Resp	10038
Ion Ratio	Lower	Upper	
88	100		
43	33.8	0.0	0.0#
58	82.9	59.7	89.5

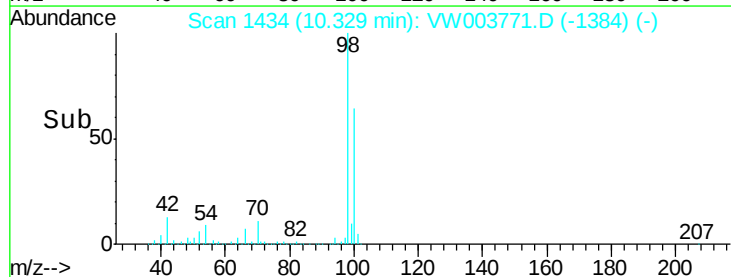
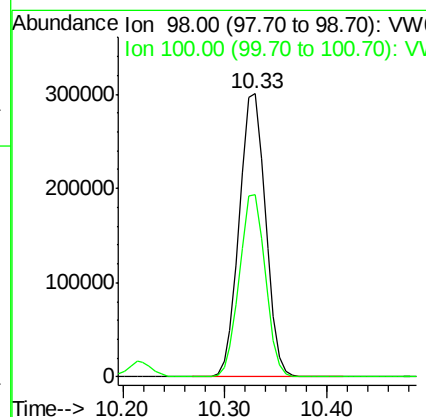
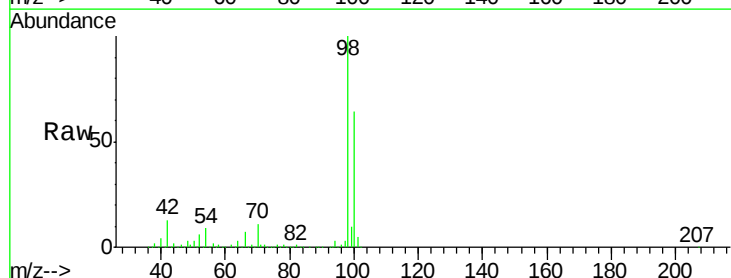
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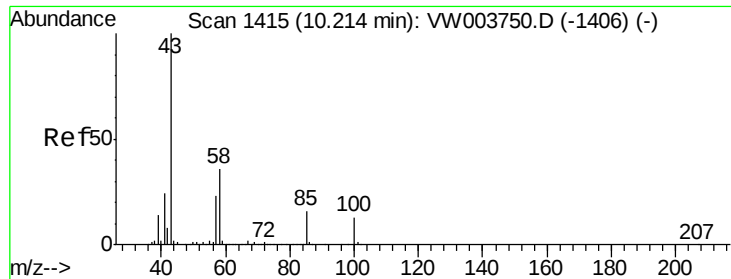
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#50
Toluene-d8
Concen: 47.577 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	98	Resp	535629
Ion Ratio	Lower	Upper	
98	100		
100	63.7	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 94.892 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion: 43 Resp: 202049

Ion Ratio Lower Upper

43 100

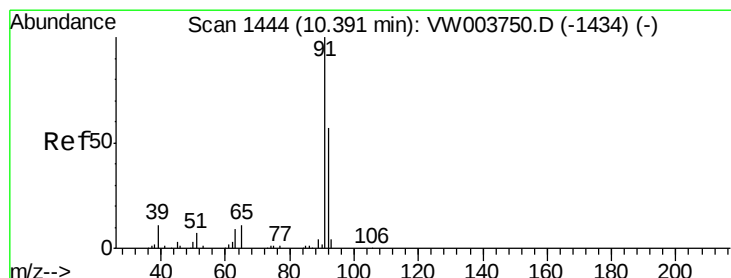
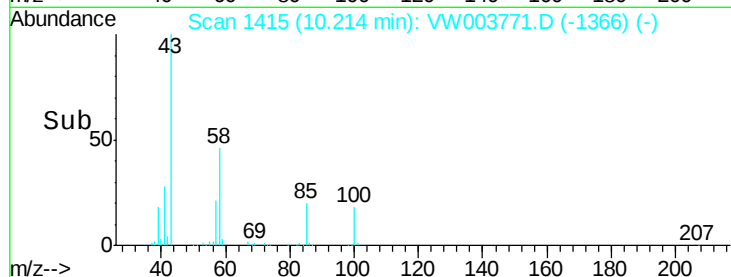
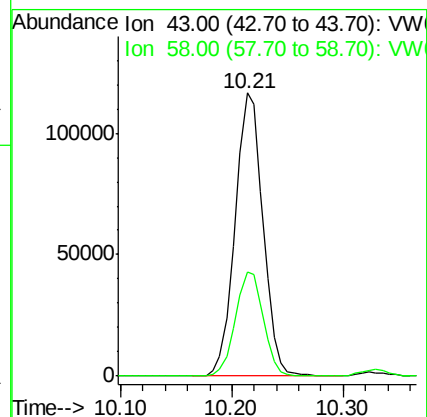
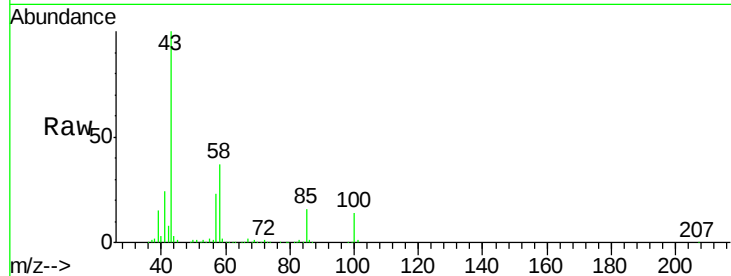
58 36.9 29.3 43.9

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#52

Toluene

Concen: 19.941 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003771.D

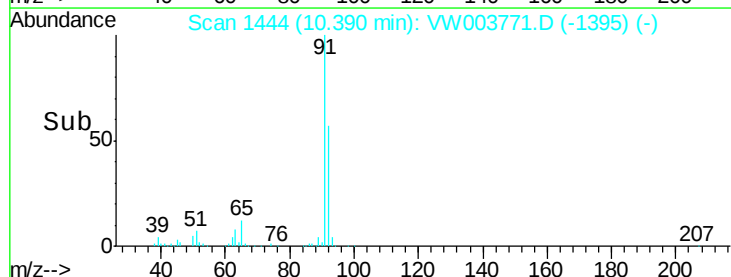
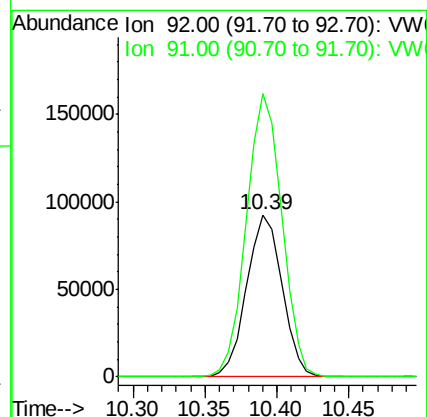
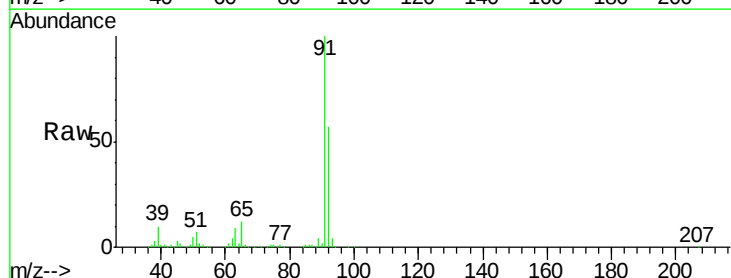
Acq: 09 Jul 2018 12:33

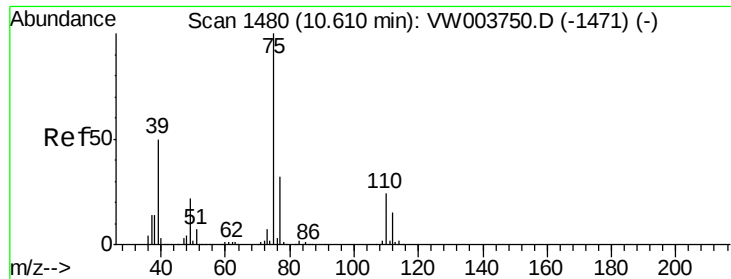
Tgt Ion: 92 Resp: 157728

Ion Ratio Lower Upper

92 100

91 175.0 140.6 211.0





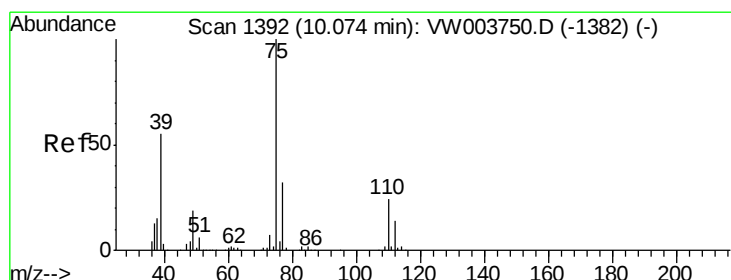
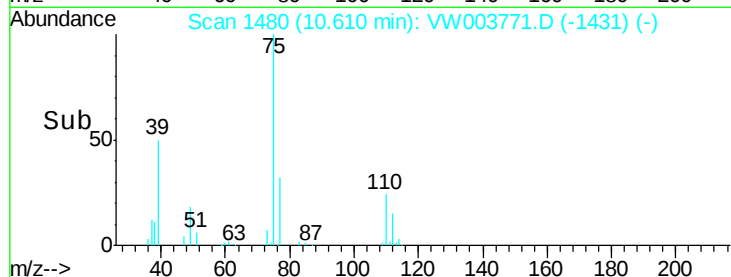
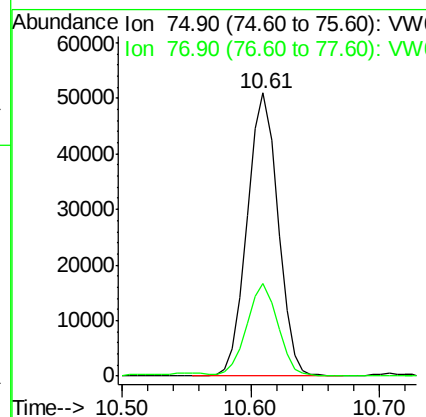
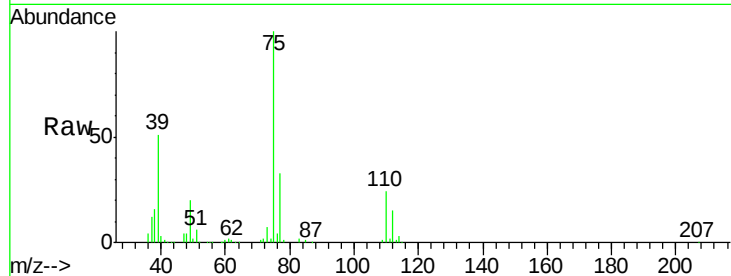
#53
t-1,3-Dichloropropene
Concen: 19.671 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion: 75 Resp: 84266
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3

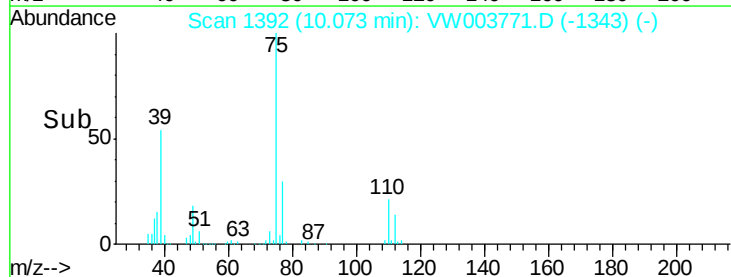
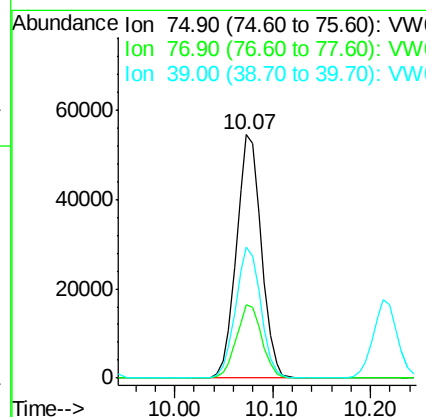
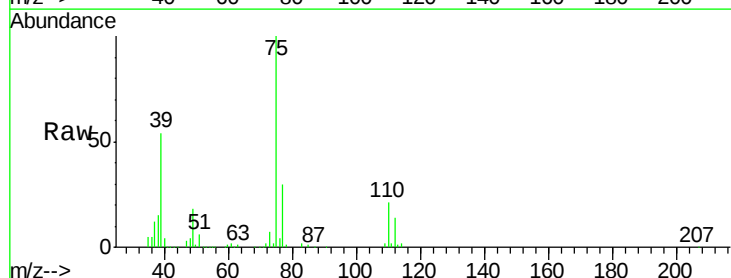
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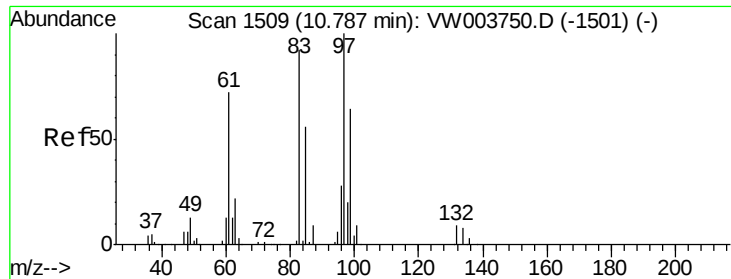
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#54
cis-1,3-Dichloropropene
Concen: 19.827 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion: 75 Resp: 95877
Ion Ratio Lower Upper
75 100
77 30.4 25.6 38.4
39 53.7 43.6 65.4





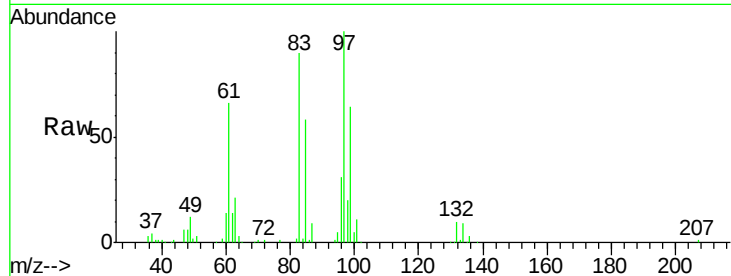
#55
 1,1,2-Trichloroethane
 Concen: 19.109 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBSD01

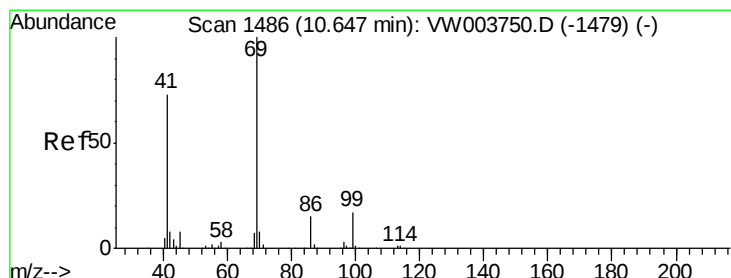
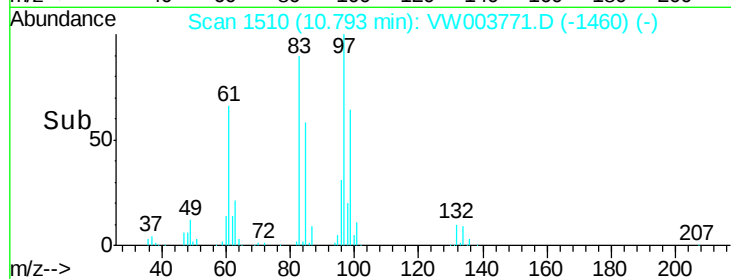
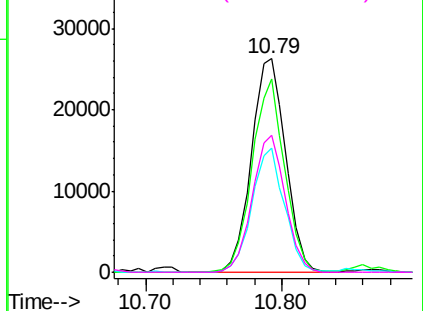
Tot Ion	Ratio	Lower	Upper
97	100		
83	90.3	73.8	110.6
85	58.2	45.0	67.4
99	64.0	51.2	76.8

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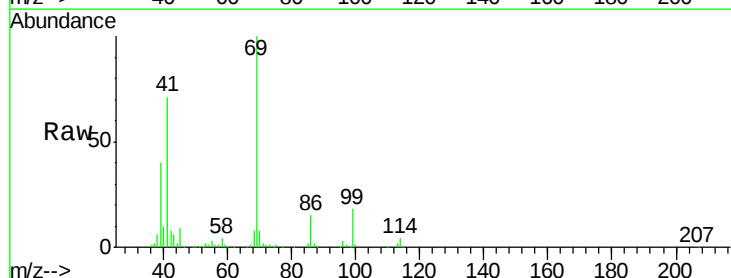


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

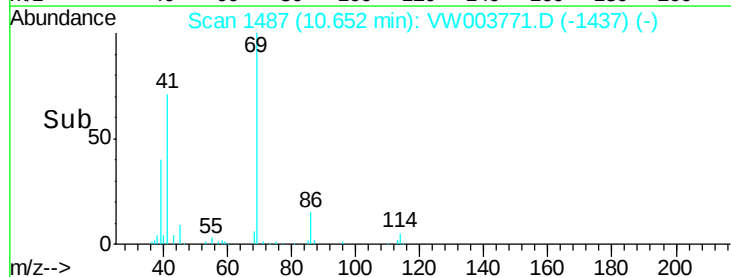
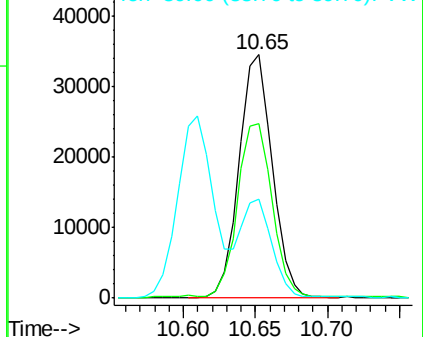


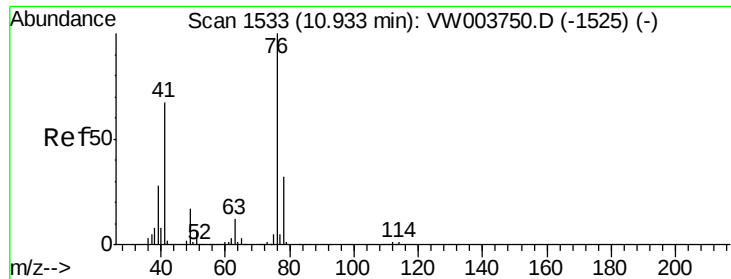
#56
 Ethyl methacrylate
 Concen: 18.762 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.0	88.4
39	36.6	32.8	49.2



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





#57

1,3-Dichloropropane

Concen: 18.980 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion: 76 Resp: 80129

Ion Ratio Lower Upper

76 100

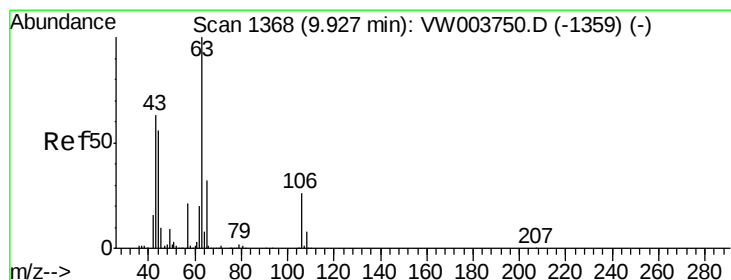
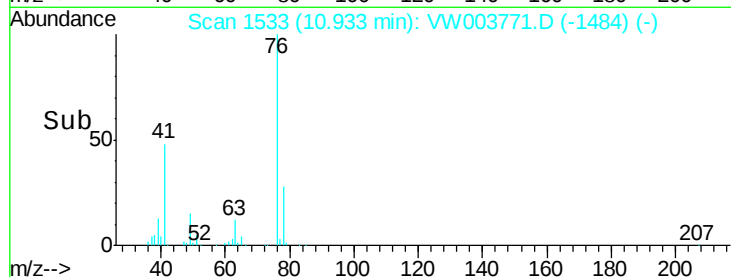
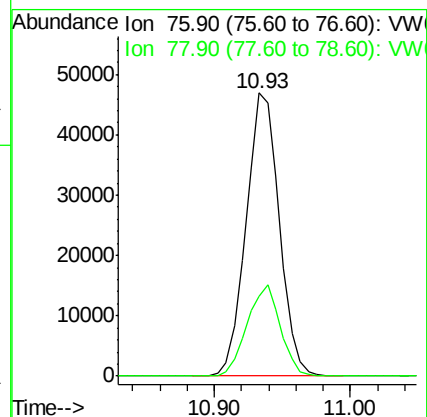
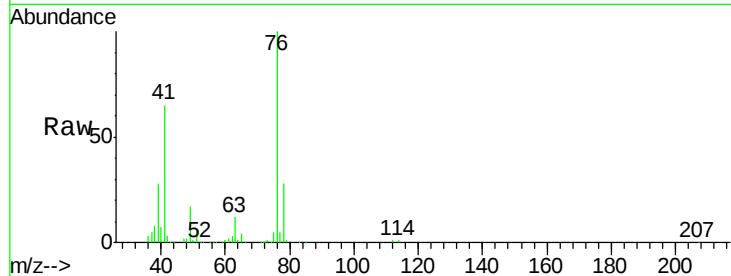
78 32.5 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 87.954 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW003771.D

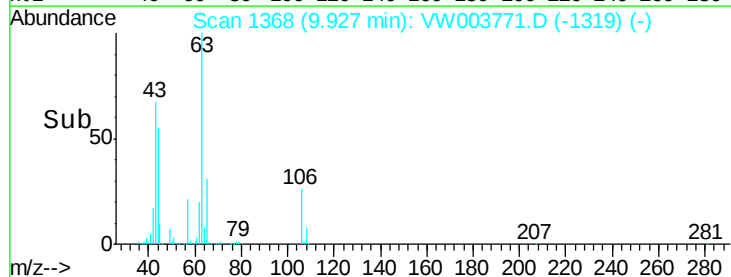
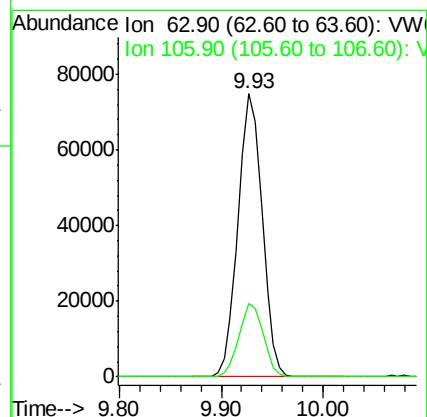
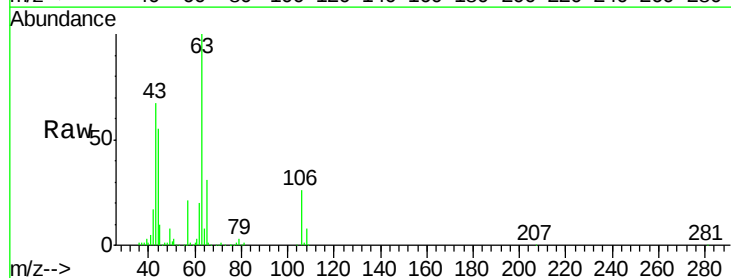
Acq: 09 Jul 2018 12:33

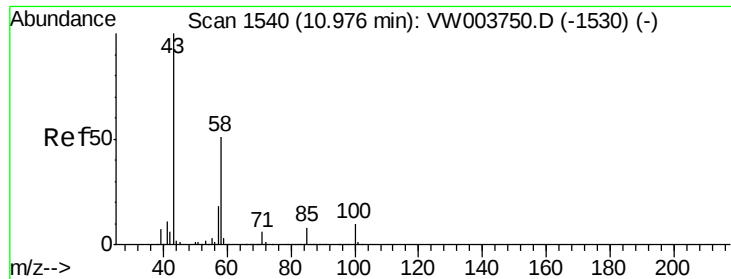
Tgt Ion: 63 Resp: 122860

Ion Ratio Lower Upper

63 100

106 26.1 20.9 31.3





#59

2-Hexanone

Concen: 97.708 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion: 43 Resp: 142862

Ion Ratio Lower Upper

43 100

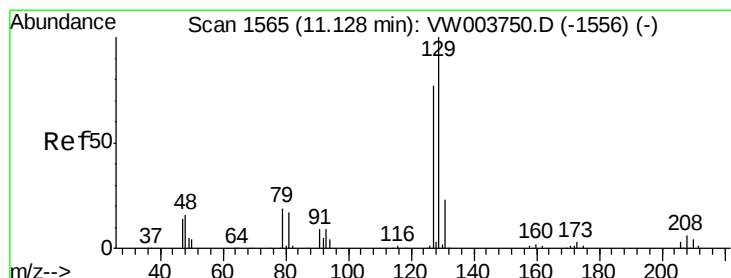
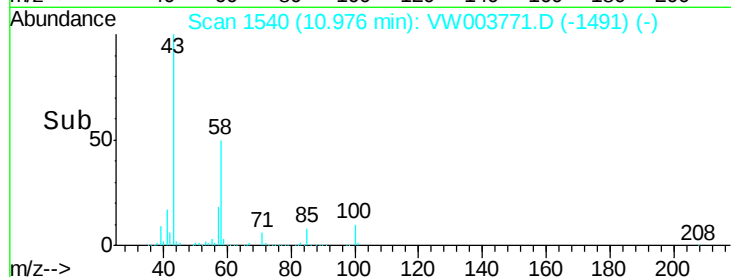
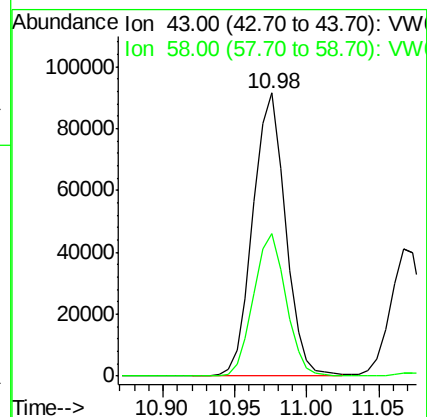
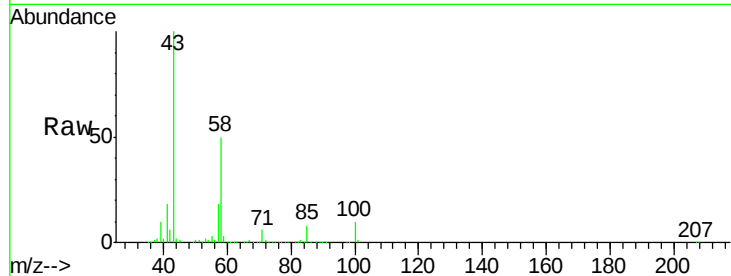
58 50.4 25.4 76.2

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#60

Dibromochloromethane

Concen: 18.998 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VW003771.D

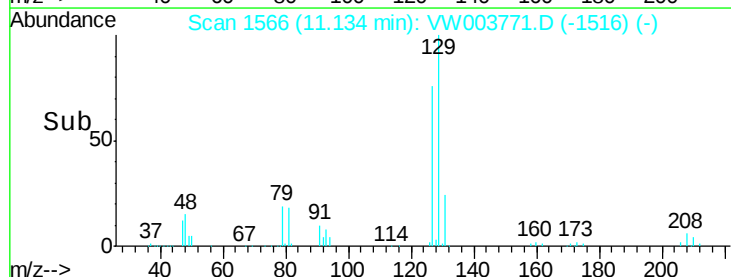
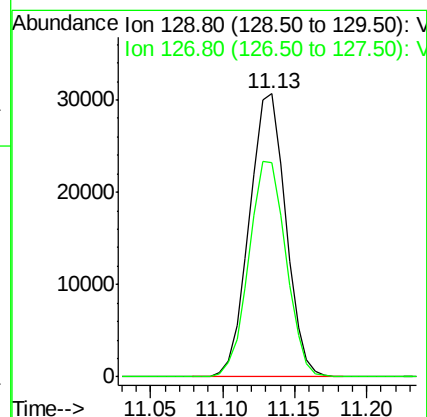
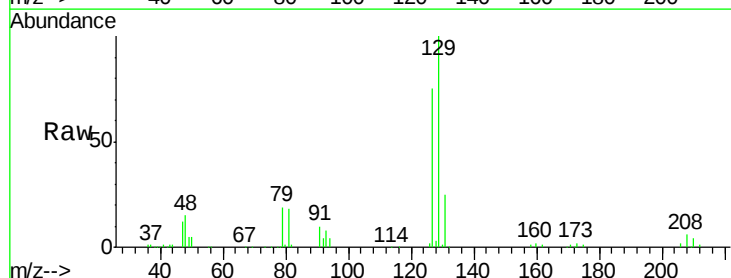
Acq: 09 Jul 2018 12:33

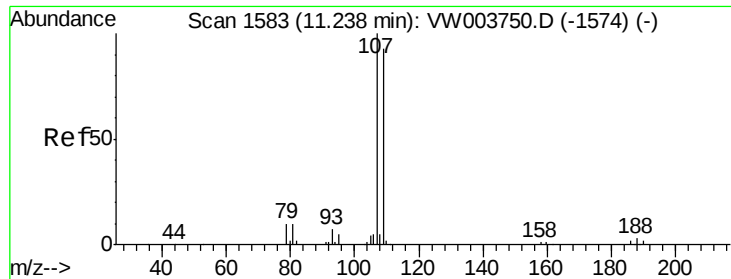
Tgt Ion: 129 Resp: 53715

Ion Ratio Lower Upper

129 100

127 77.3 38.9 116.6





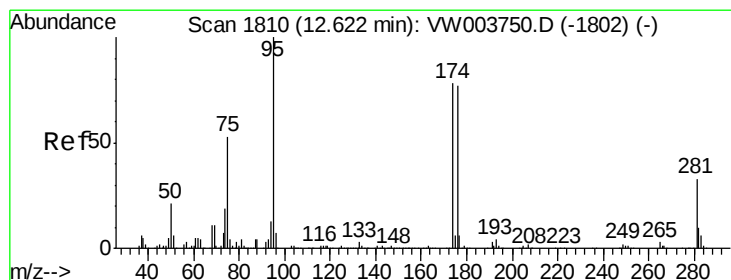
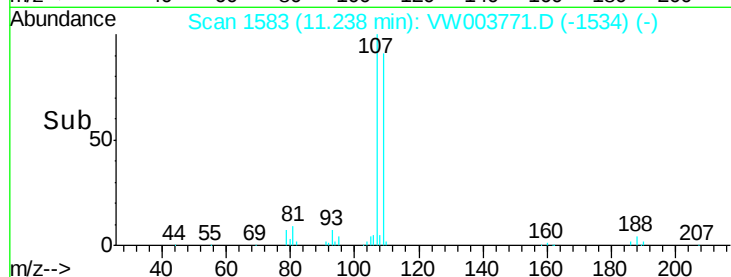
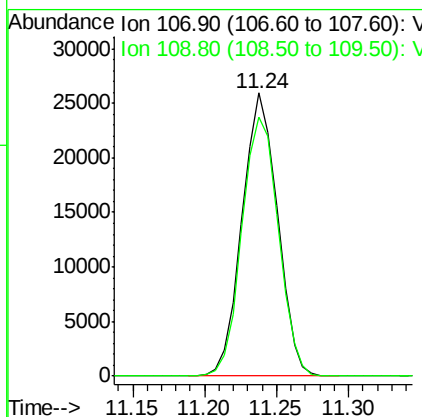
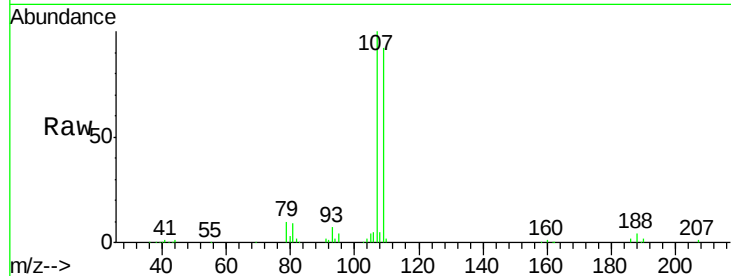
#61
 1,2-Dibromoethane
 Concen: 19.073 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Tot Ion: 107 Resp: 44180
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.1 112.7

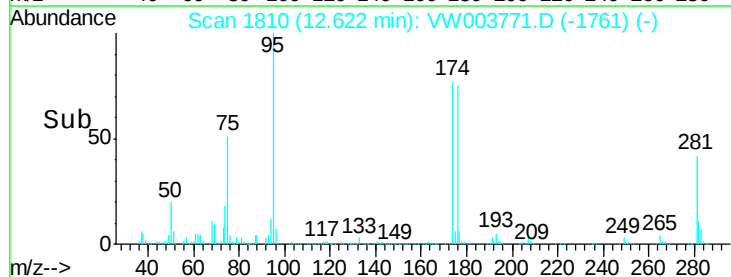
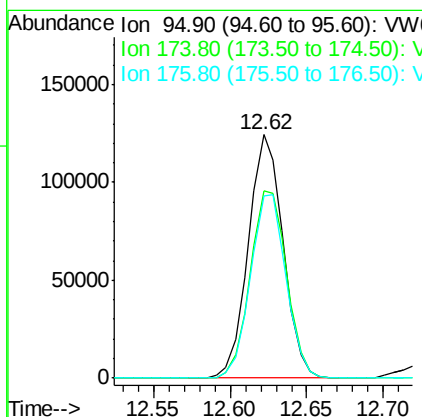
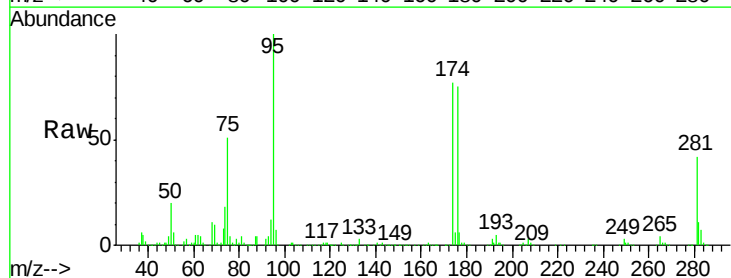
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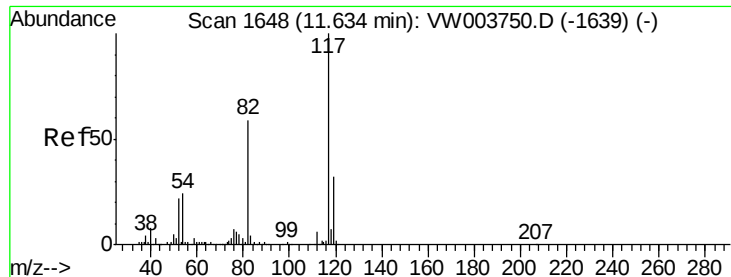
apatel
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#62
 4-Bromofluorobenzene
 Concen: 48.162 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Tgt Ion: 95 Resp: 196183
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 163.4
 176 77.6 0.0 156.8





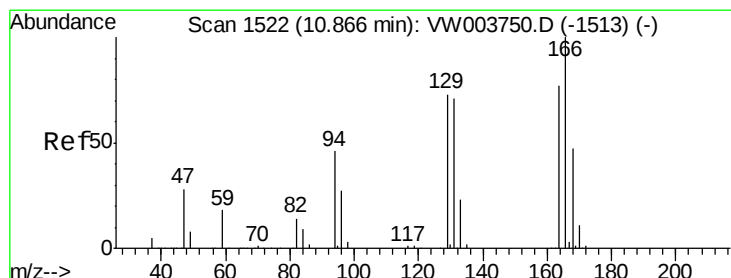
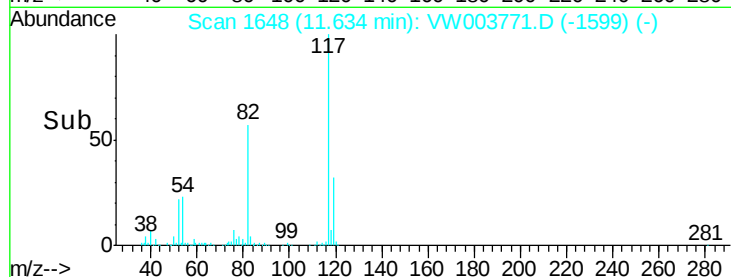
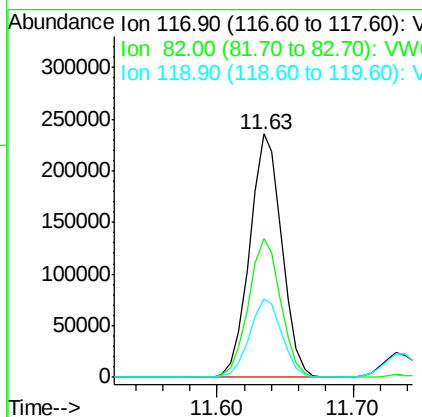
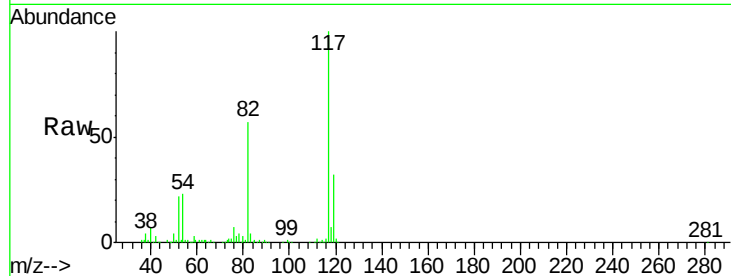
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.9	70.3
119	32.1	25.5	38.3

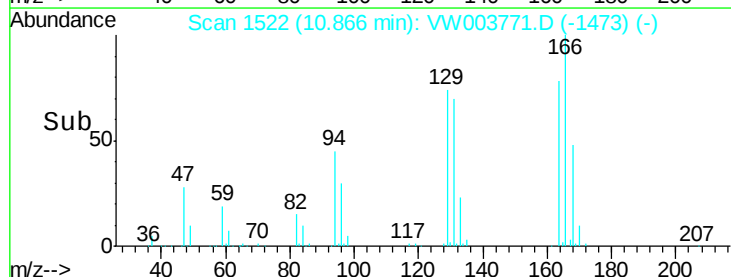
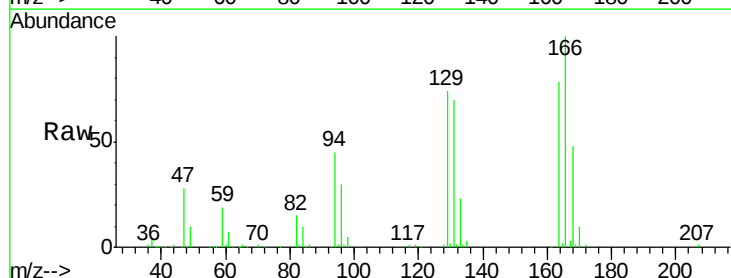
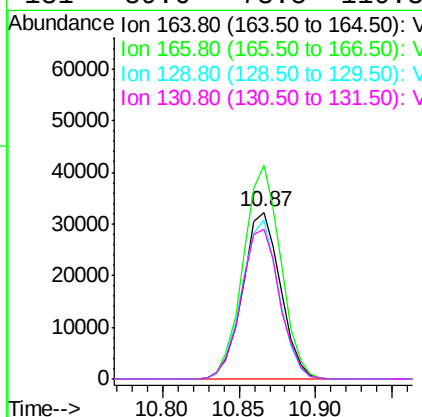
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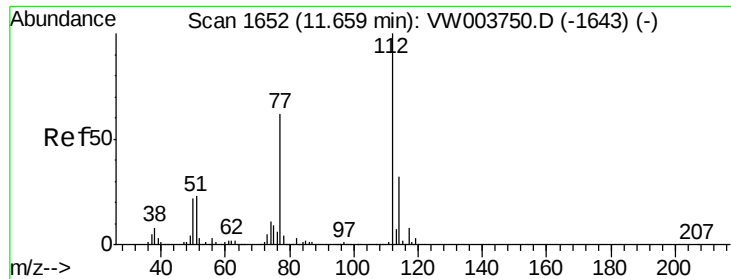
apatel
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#64
Tetrachloroethene
Concen: 19.196 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	104.2	156.4
129	95.3	75.8	113.8
131	89.6	73.5	110.3





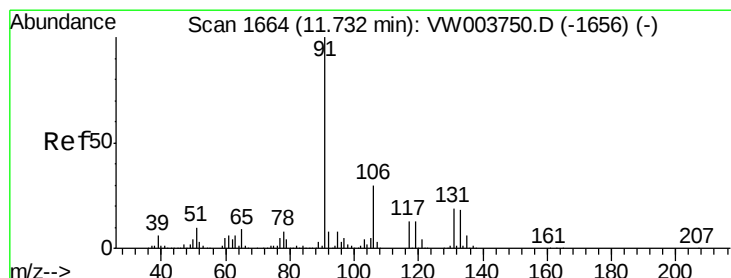
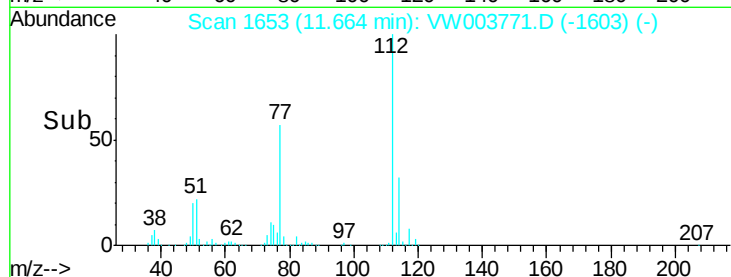
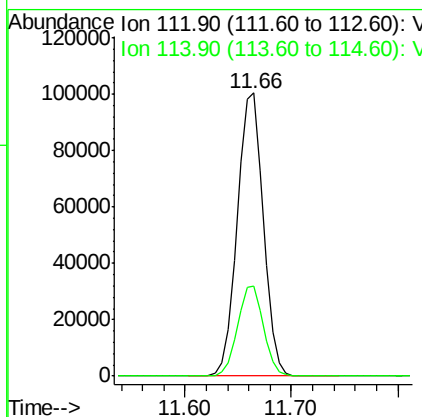
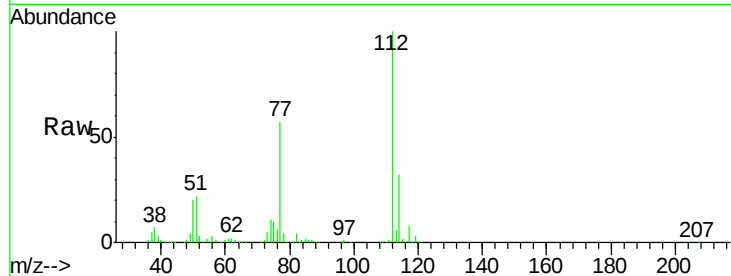
#65
Chlorobenzene
Concen: 20.105 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion:112 Resp: 172793
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

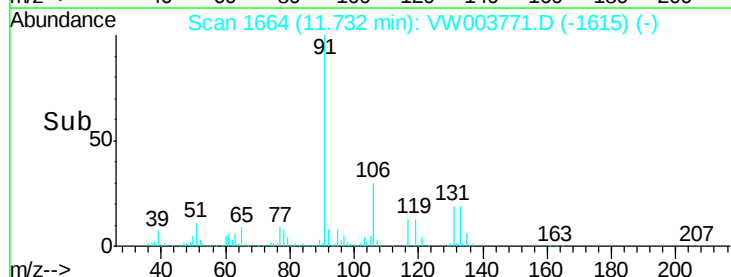
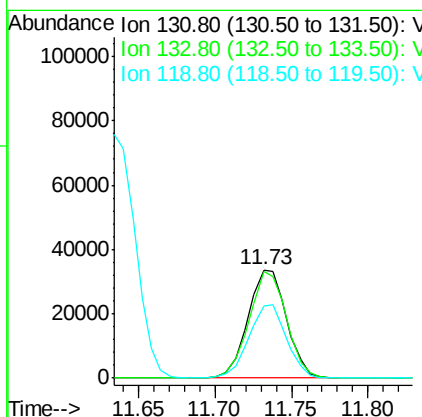
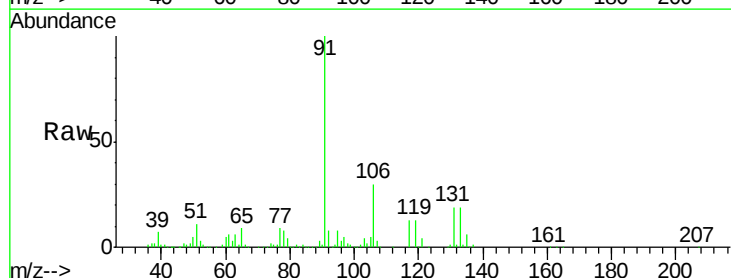
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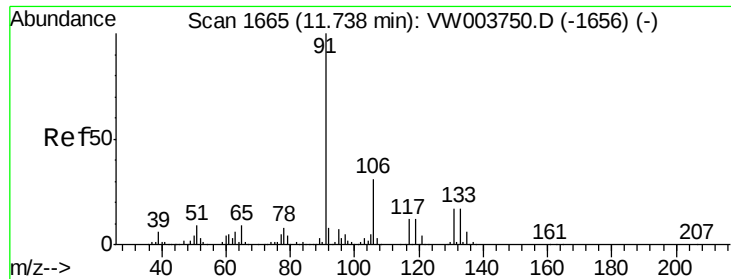
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.609 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion:131 Resp: 58893
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.2
119 66.3 33.2 99.6





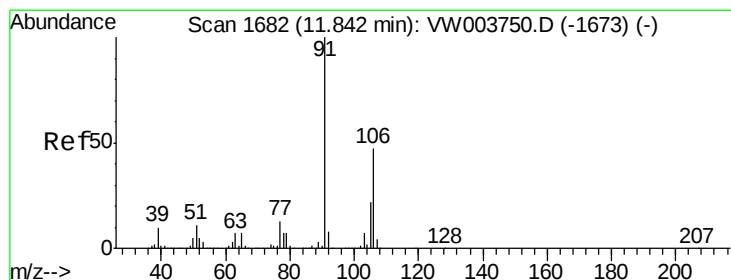
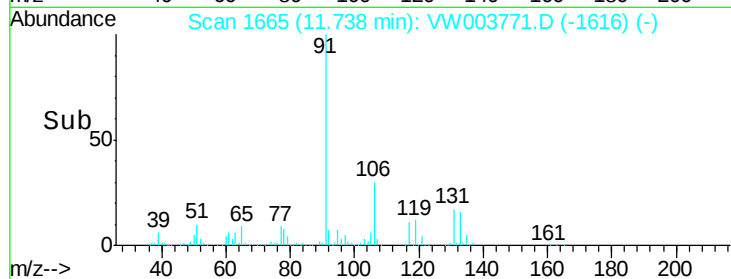
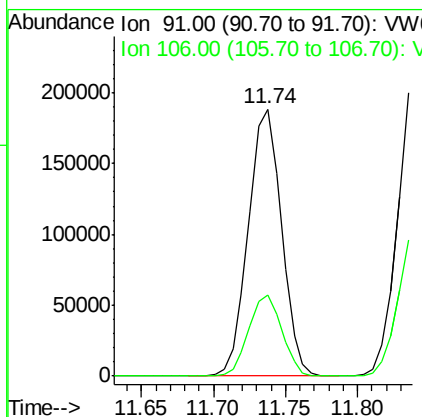
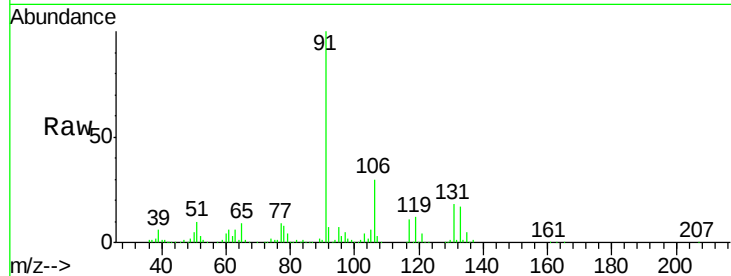
#67
Ethyl Benzene
Concen: 20.422 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.6	37.0

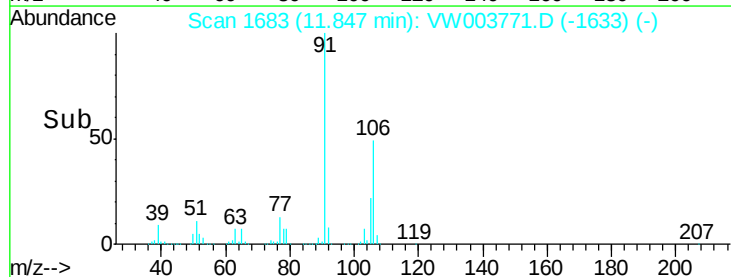
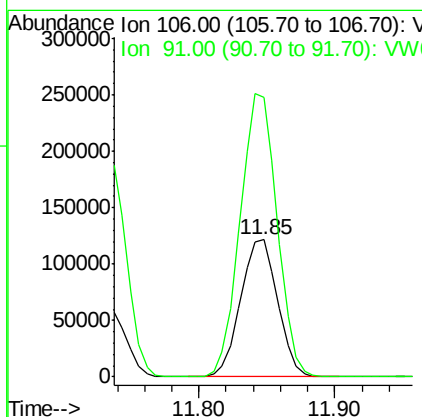
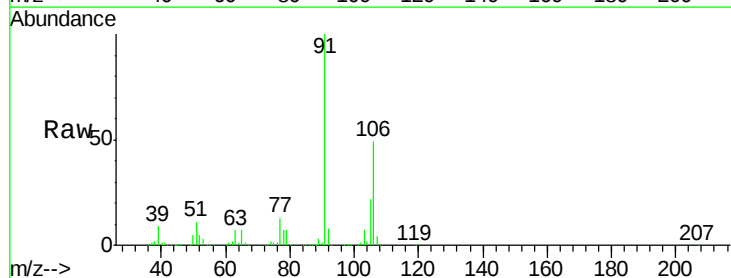
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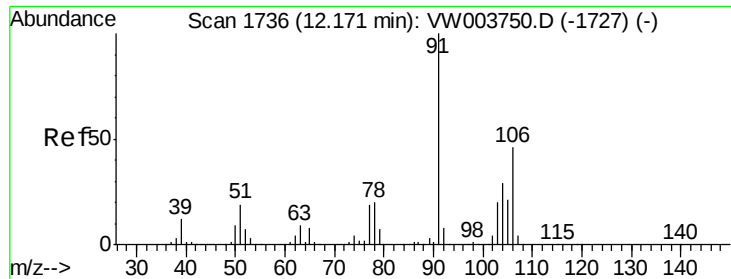
apatel
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#68
m/p-Xylenes
Concen: 41.140 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.4	164.3	246.5





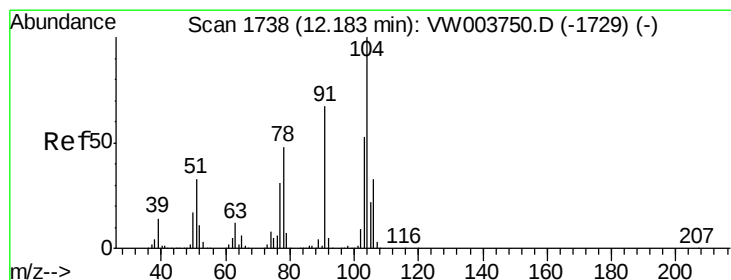
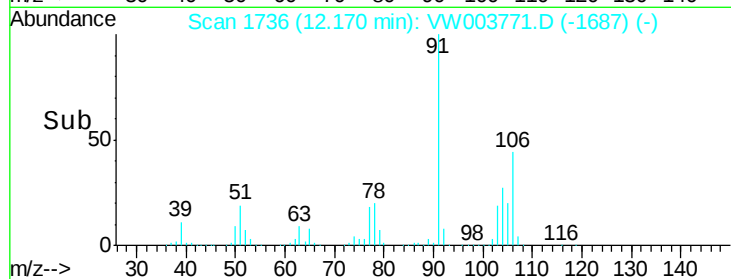
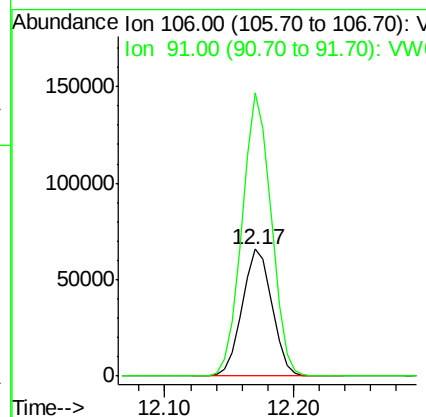
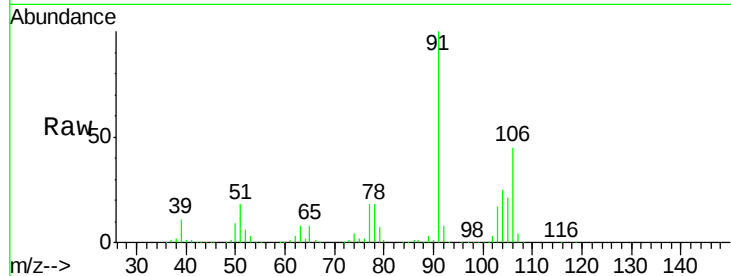
#69
o-Xylene
Concen: 20.262 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		105216		
91	218.4	109.1	327.2		

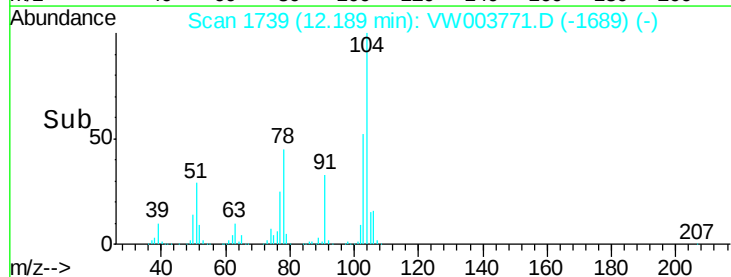
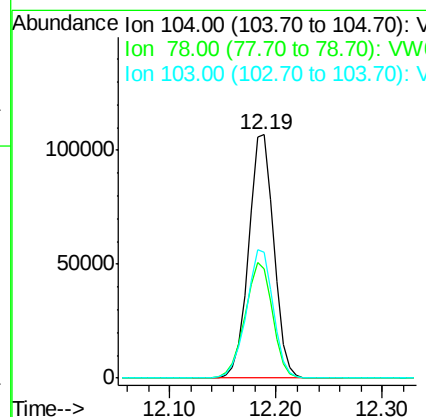
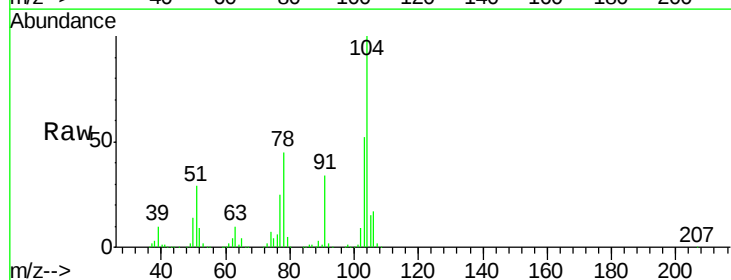
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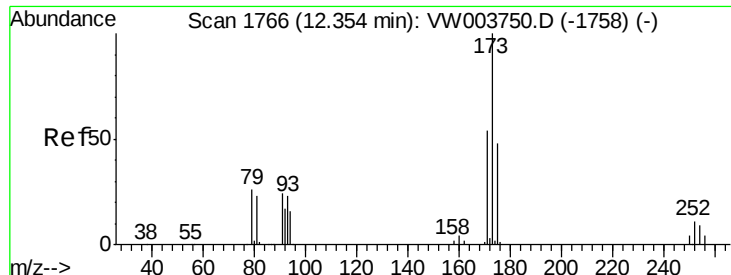
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#70
Styrene
Concen: 20.169 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		178096		
78	51.8	41.1	61.7		
103	56.0	44.6	67.0		





#71

Bromoform

Concen: 19.199 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion:173 Resp: 31823

Ion Ratio Lower Upper

173 100

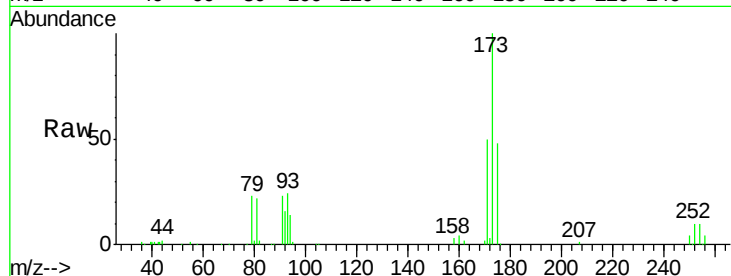
175 48.7 24.1 72.4

254 0.1 0.0 0.0#

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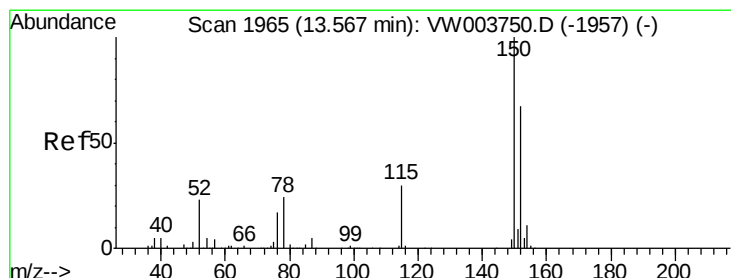
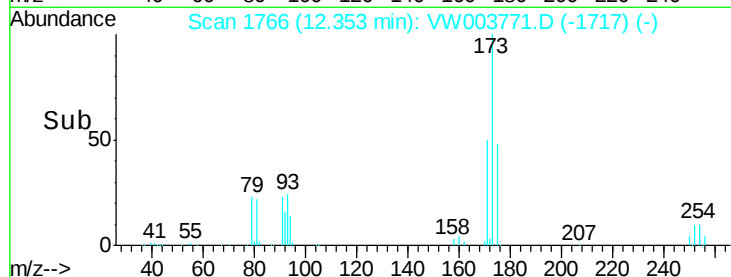
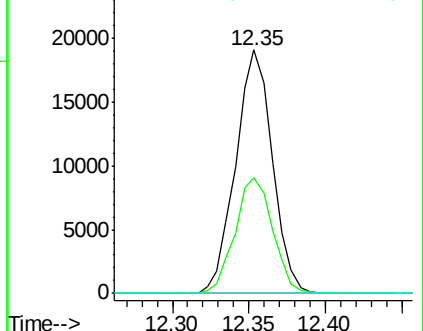
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

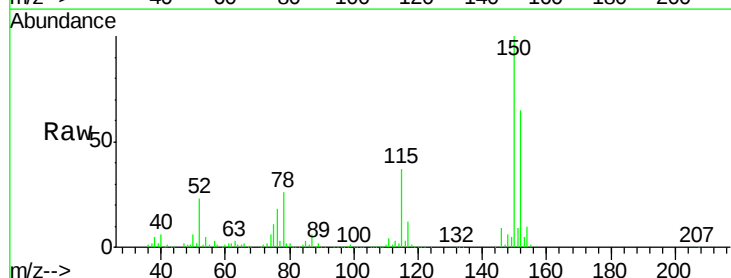
Tgt Ion:152 Resp: 207844

Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.8

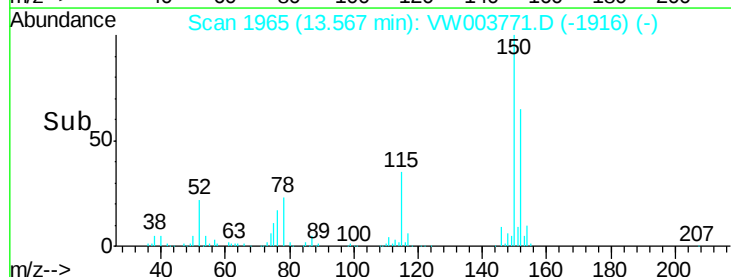
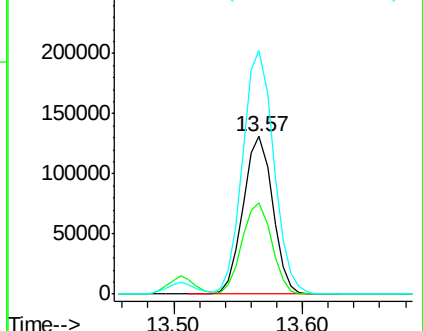
150 163.0 0.0 342.4

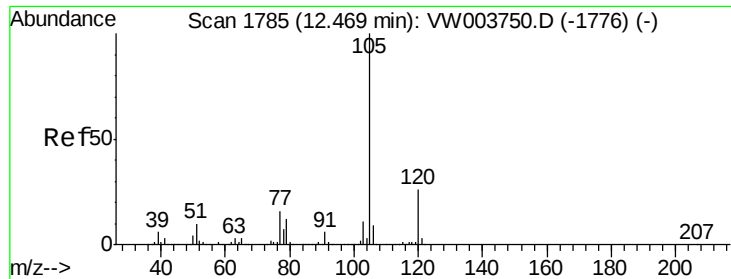


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





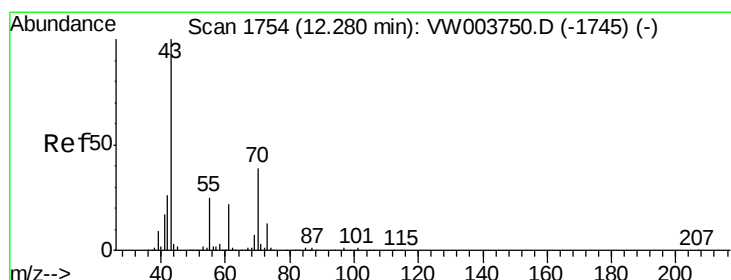
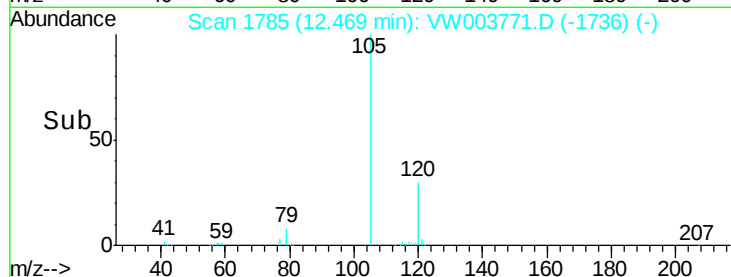
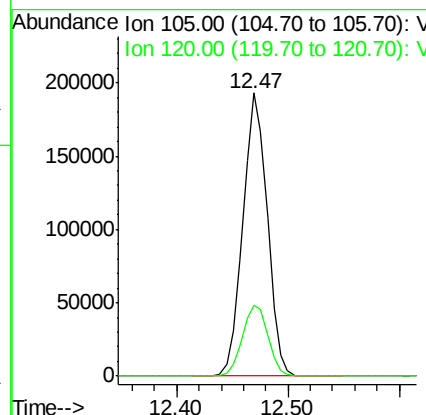
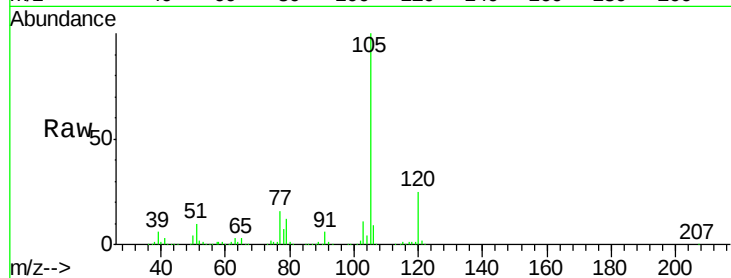
#73
Isopropylbenzene
Concen: 20.801 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.1	39.3

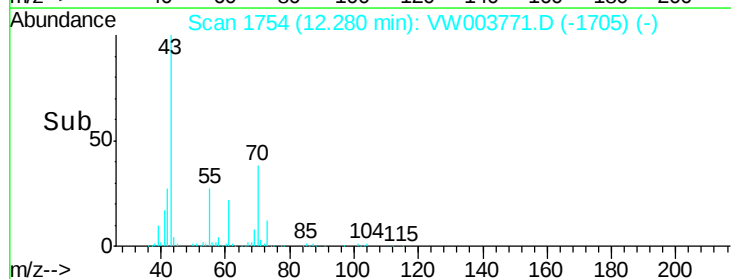
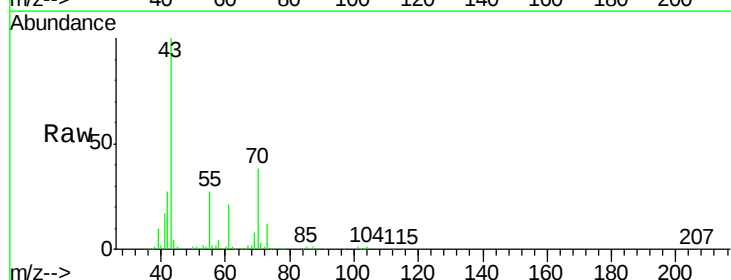
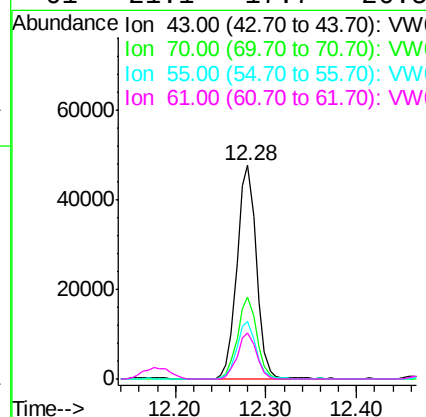
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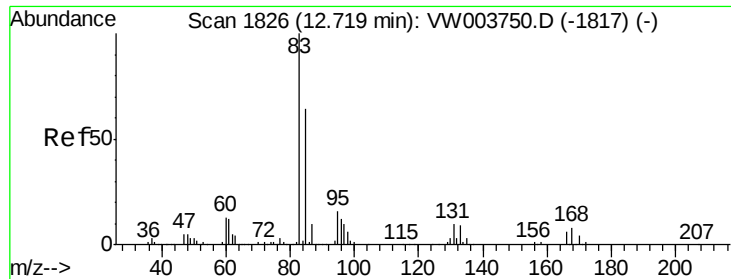
apatel
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#74
N-ethyl acetate
Concen: 18.794 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.6	31.3	46.9
55	26.6	20.1	30.1
61	21.1	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.613 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

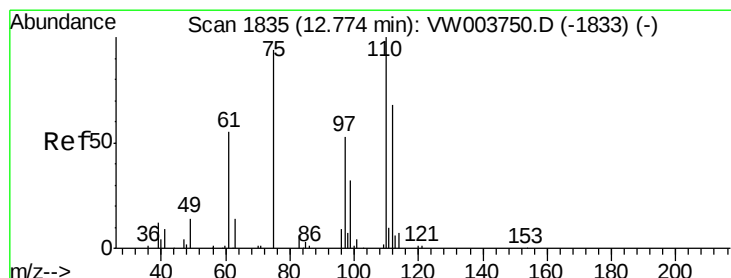
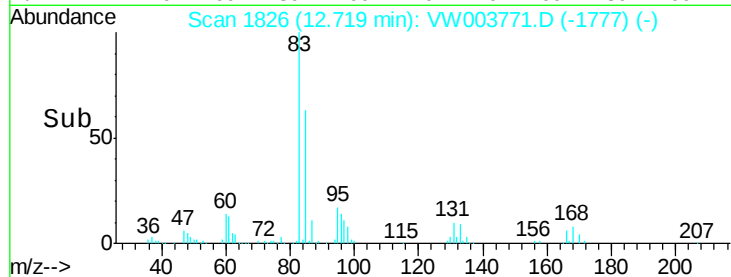
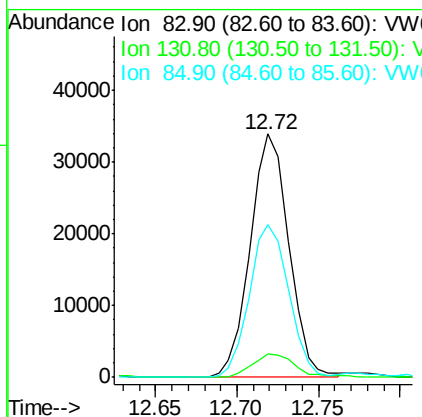
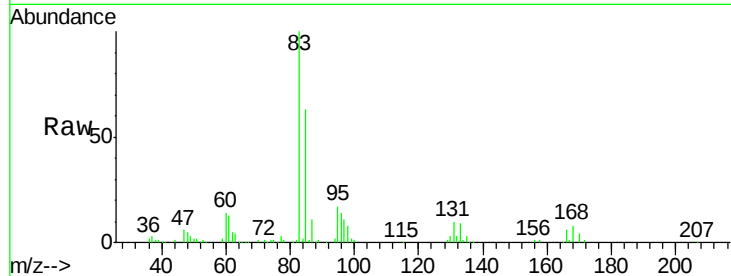
ClientSampleId :

VW0709SBSD01

Tot Ion:	83	Resp:	55964
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	63.8	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 22.251 ug/l m

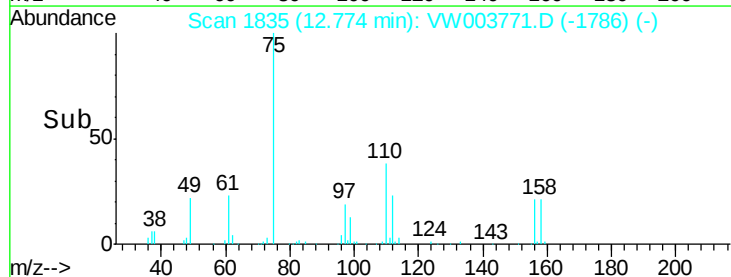
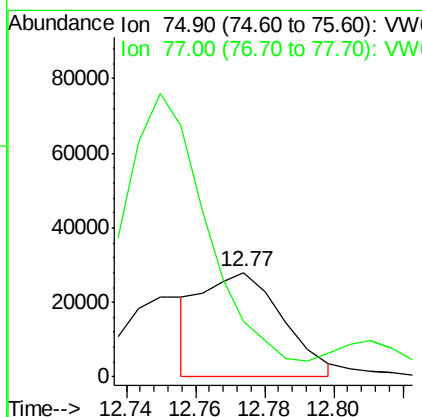
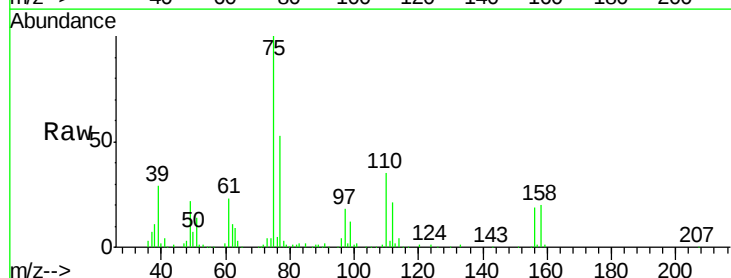
RT: 12.77 min Scan# 1835

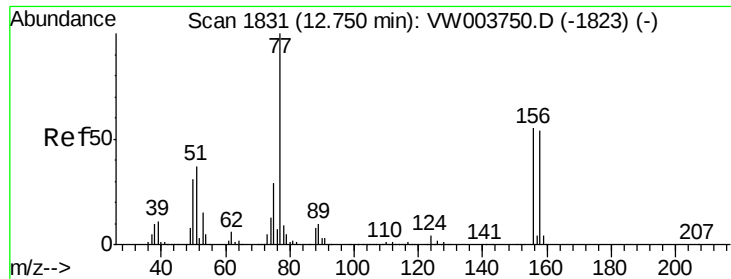
Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Tgt Ion:	75	Resp:	45414
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.020 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

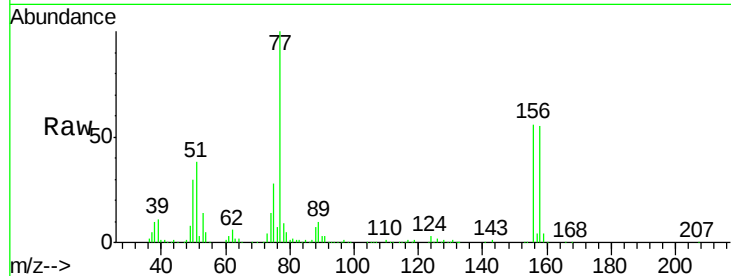
ClientSampleId :

VW0709SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.7	98.7	296.0
158	96.7	49.0	147.0

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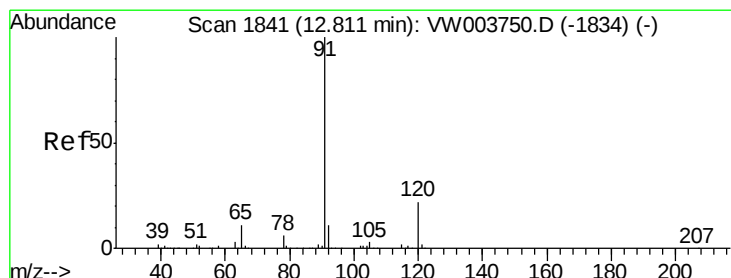
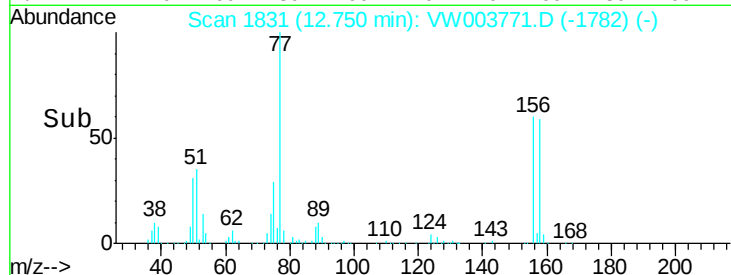
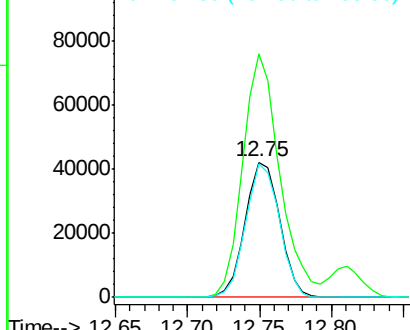
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.692 ug/l

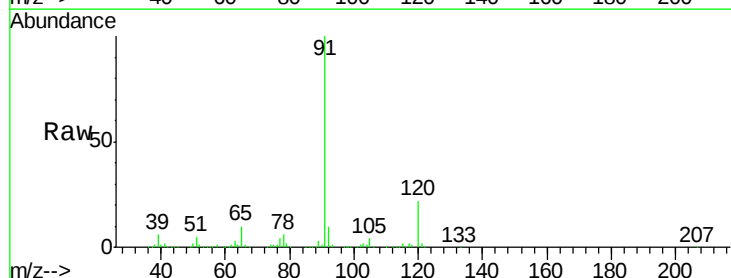
RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003771.D

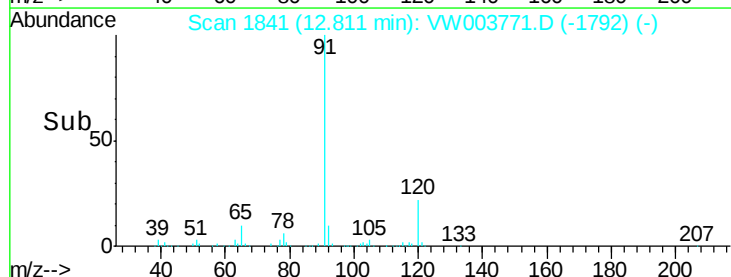
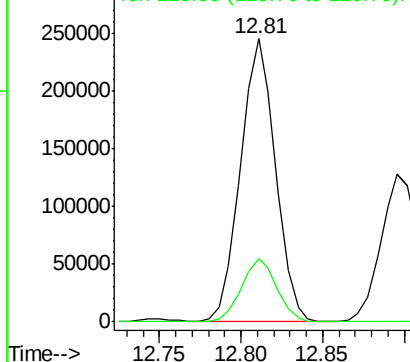
Acq: 09 Jul 2018 12:33

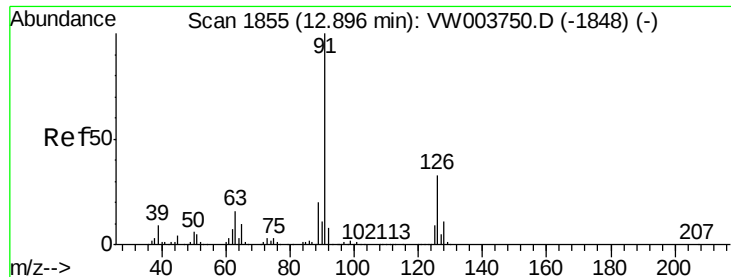
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.159 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion: 91 Resp: 204639

Ion Ratio Lower Upper

91 100

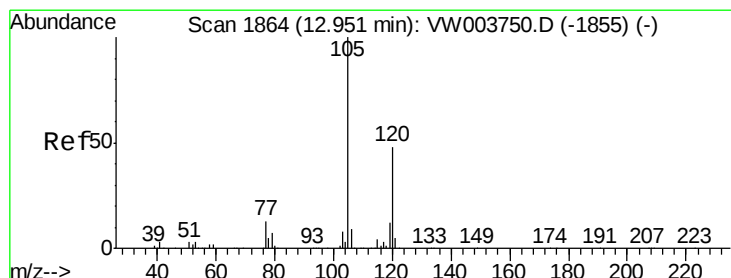
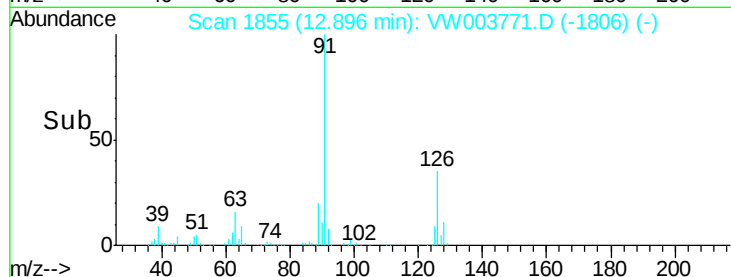
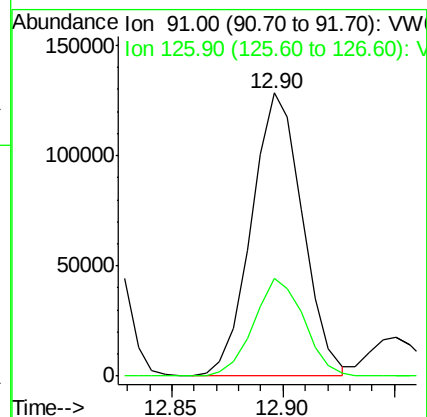
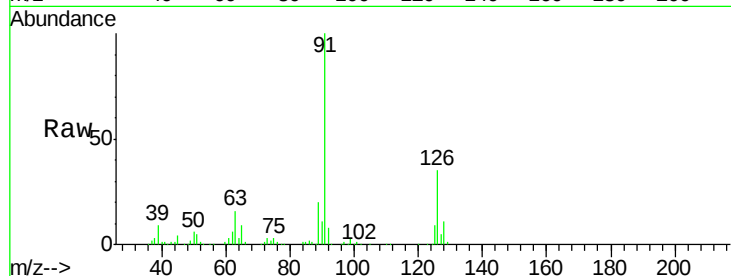
126 34.0 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.809 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003771.D

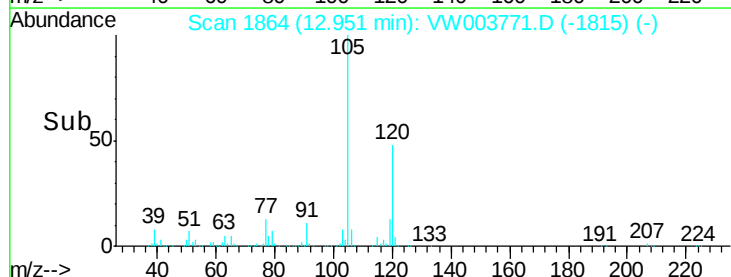
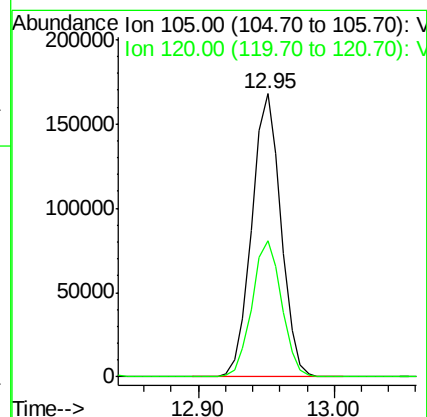
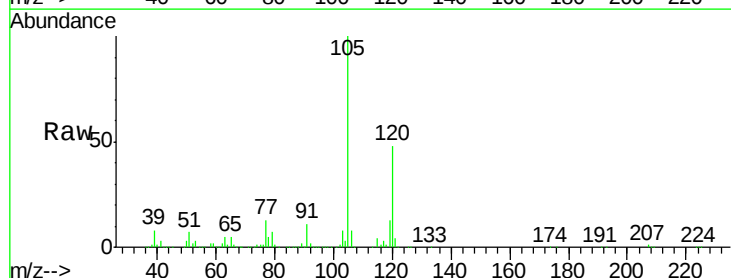
Acq: 09 Jul 2018 12:33

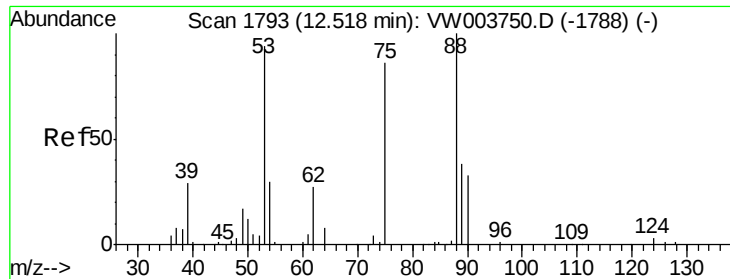
Tgt Ion:105 Resp: 252448

Ion Ratio Lower Upper

105 100

120 49.0 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.742 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0709SBS01

Tot Ion: 75 Resp: 17306

Ion Ratio Lower Upper

75 100

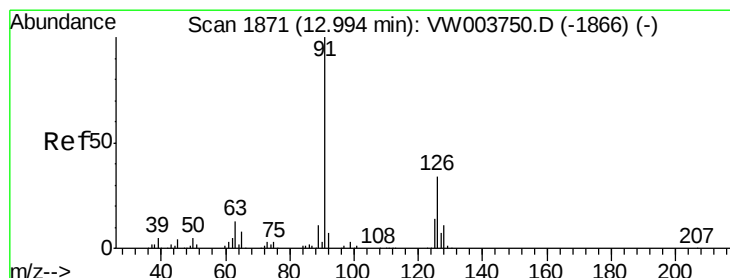
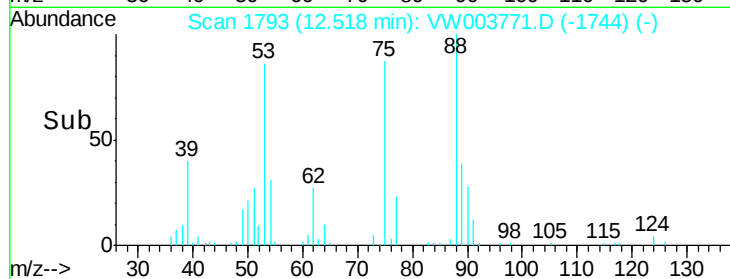
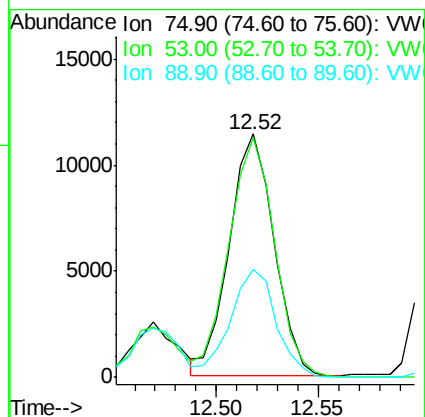
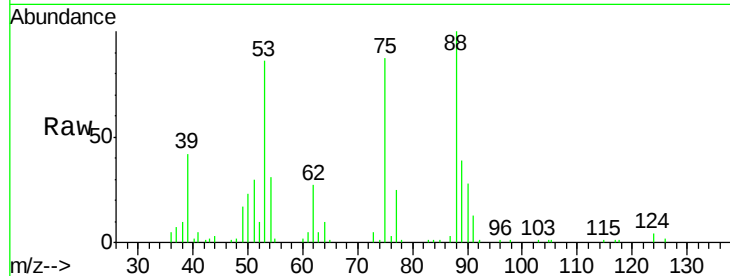
53 102.3 85.0 127.6

89 46.2 36.3 54.5

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#82

4-Chlorotoluene

Concen: 20.425 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW003771.D

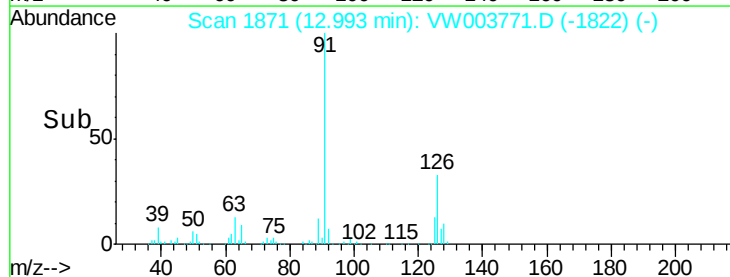
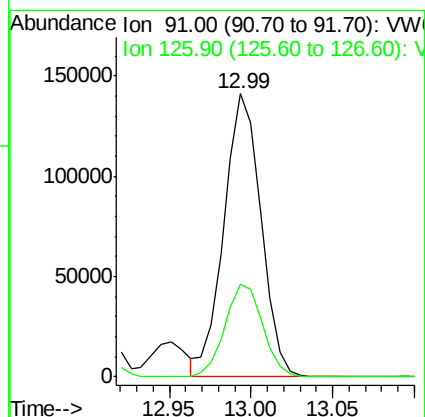
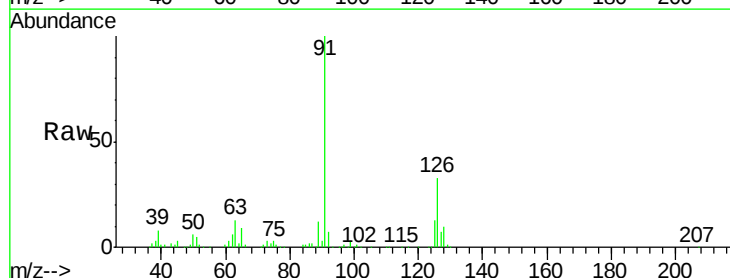
Acq: 09 Jul 2018 12:33

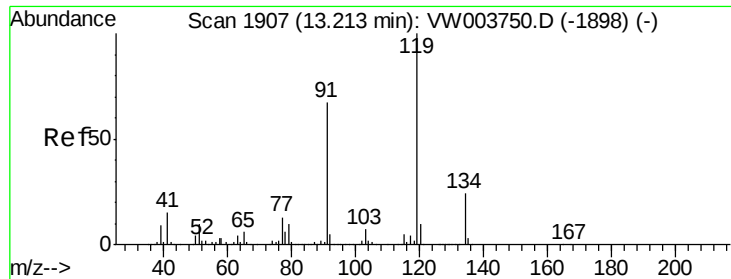
Tgt Ion: 91 Resp: 222953

Ion Ratio Lower Upper

91 100

126 33.5 16.5 49.5





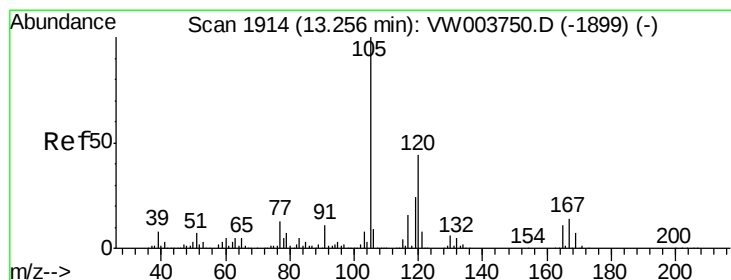
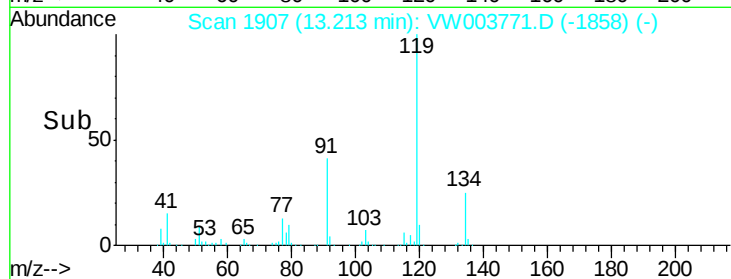
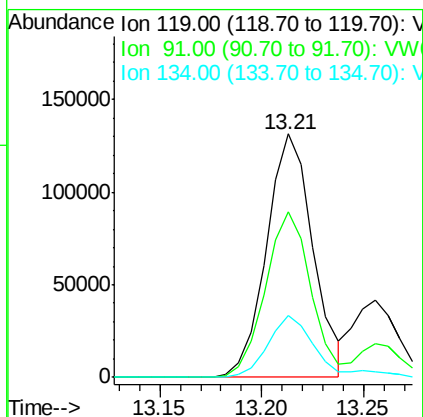
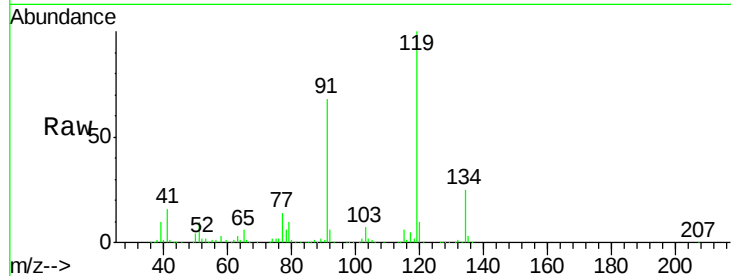
#83
tert-Butylbenzene
Concen: 20.855 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	208659		
91	66.2		33.0	98.9
134	26.7		12.8	38.4

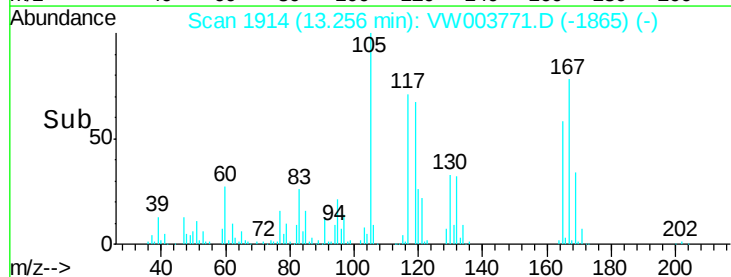
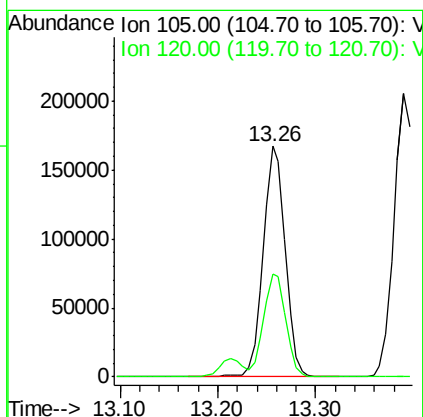
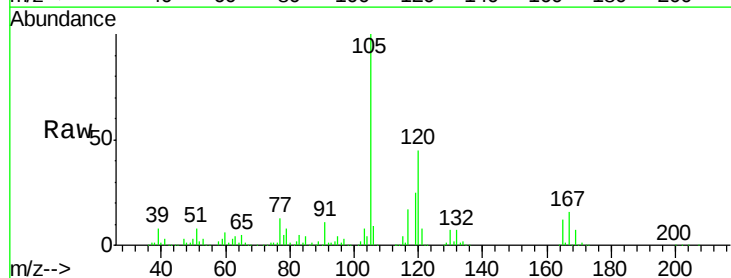
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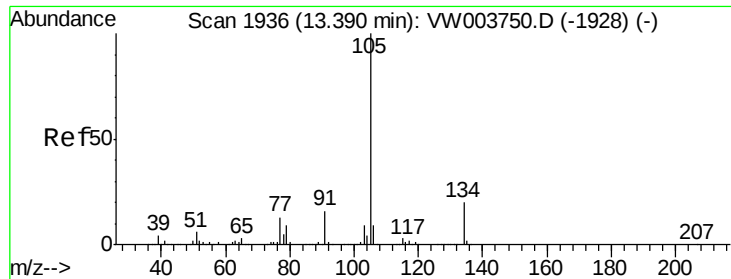
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#84
1,2,4-Trimethylbenzene
Concen: 20.615 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	259818		
120	44.9		22.0	66.0





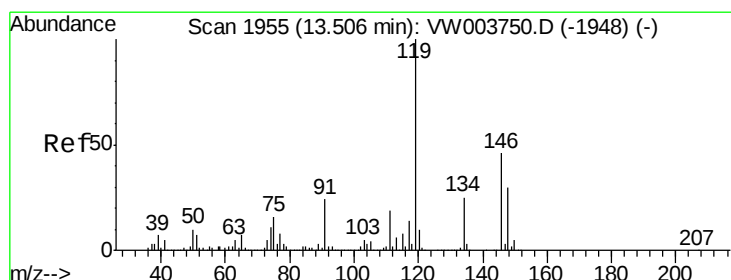
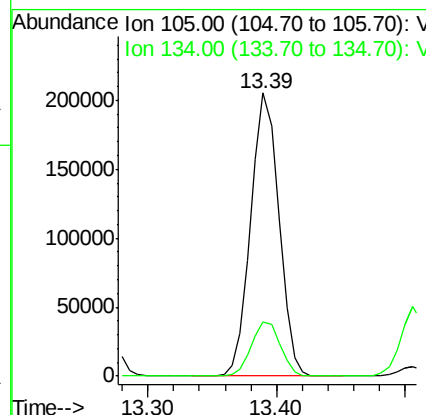
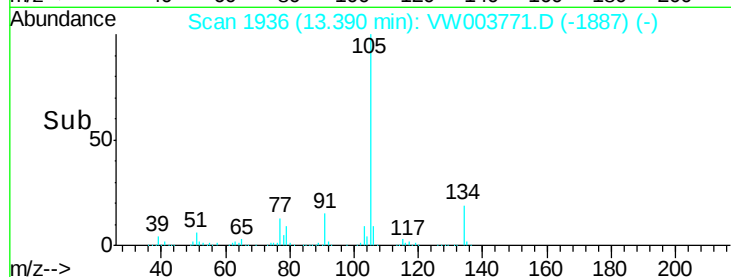
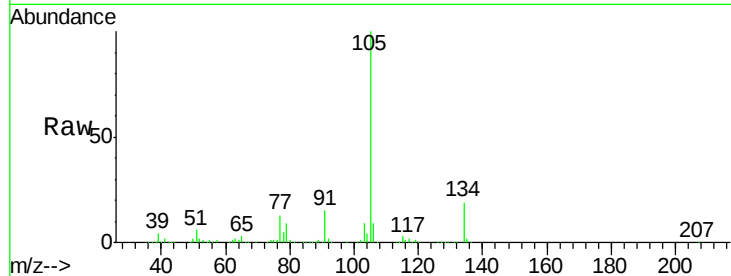
#85
 sec-Butylbenzene
 Concen: 20.719 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

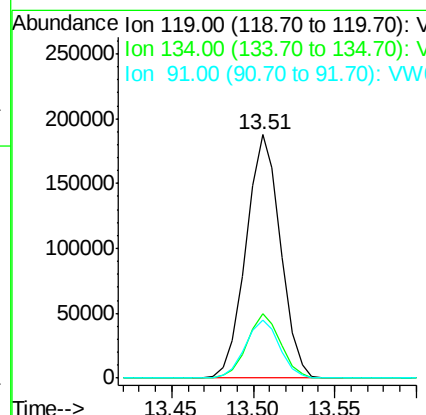
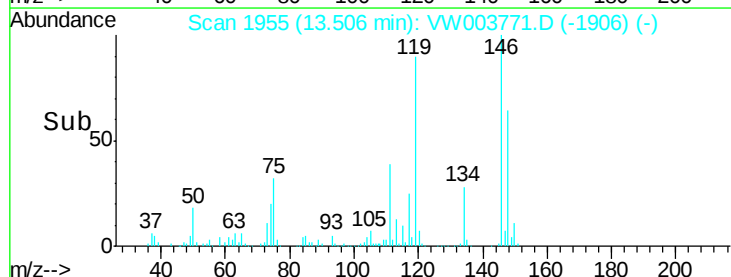
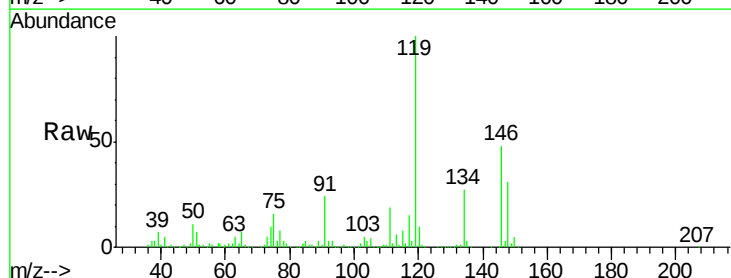
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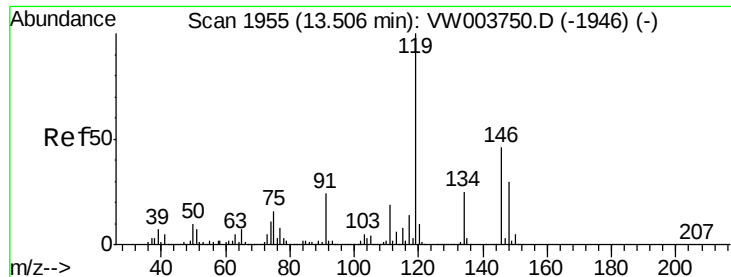
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#86
 p-Isopropyltoluene
 Concen: 21.040 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.1
91	23.8	11.9	35.9





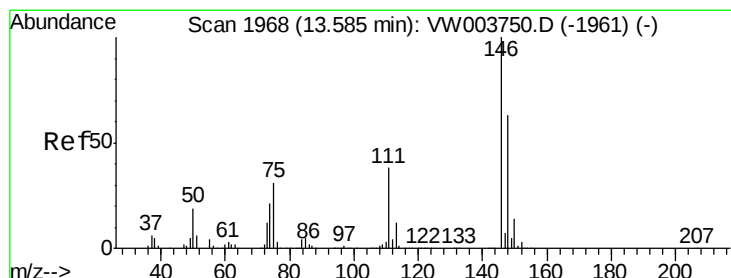
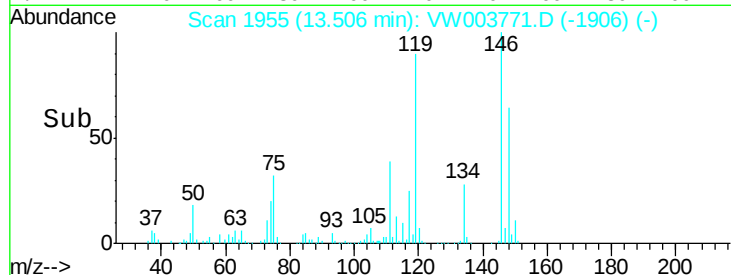
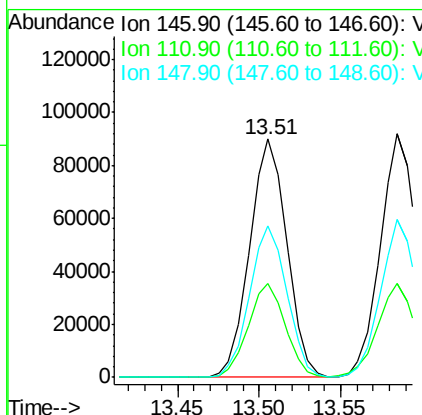
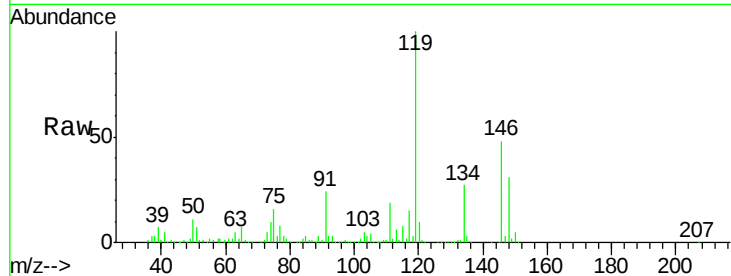
#87
 1,3-Dichlorobenzene
 Concen: 20.222 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	143169		
111	39.5	20.2	60.5	
148	63.8	31.9	95.7	

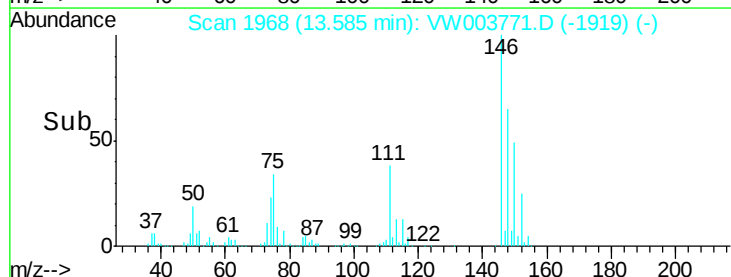
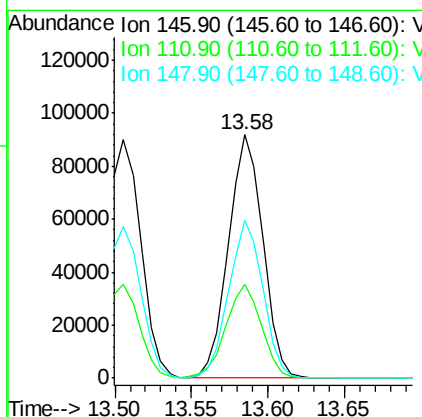
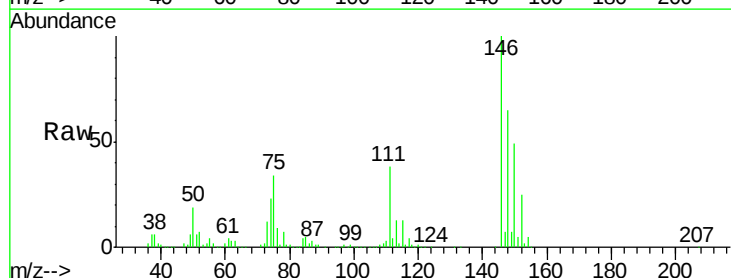
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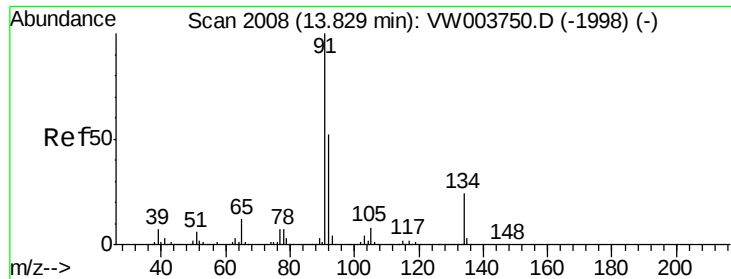
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#88
 1,4-Dichlorobenzene
 Concen: 20.123 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	143268		
111	39.8	19.4	58.4	
148	64.4	31.9	95.7	





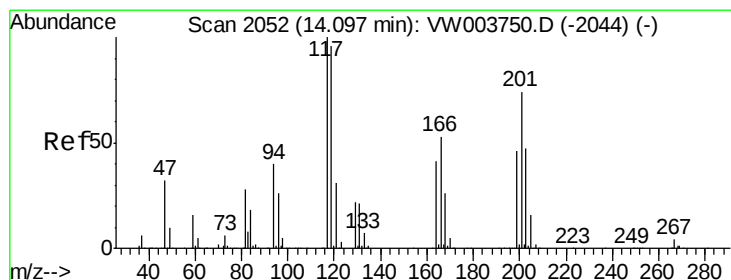
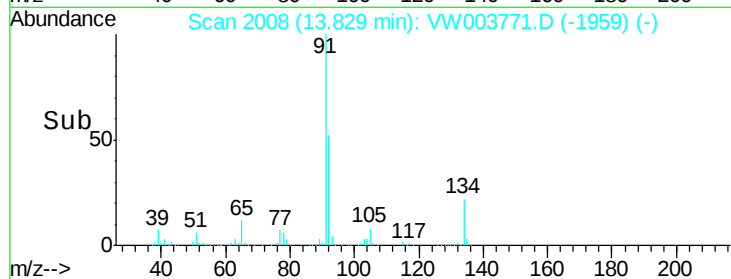
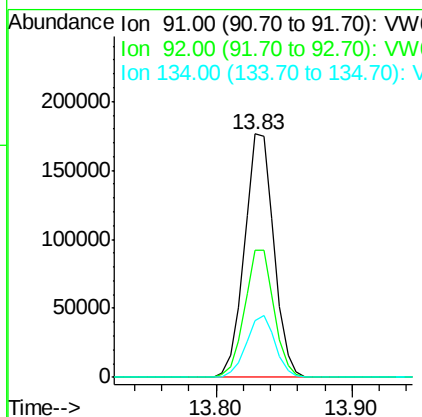
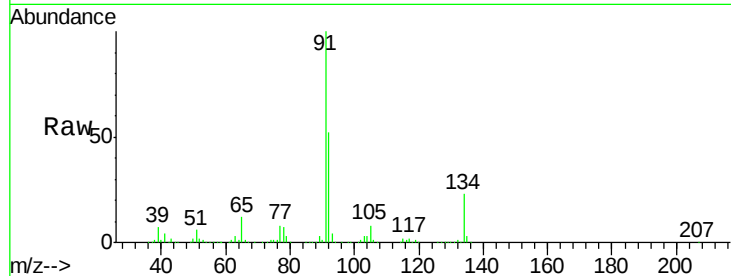
#89
n-Butylbenzene
Concen: 20.651 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0709SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.2	12.4	37.4

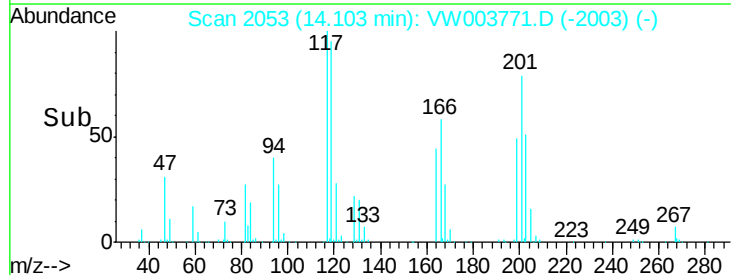
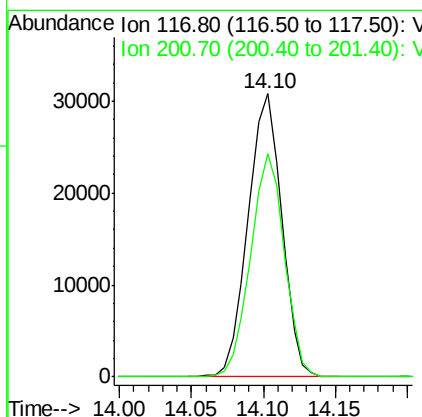
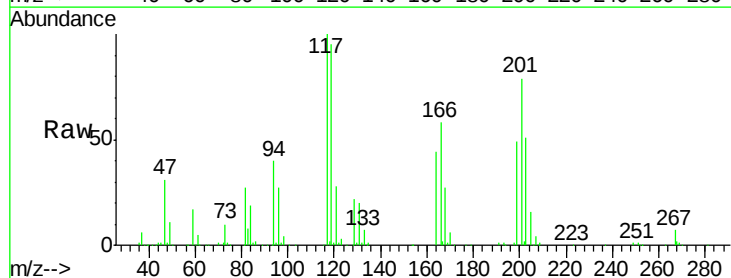
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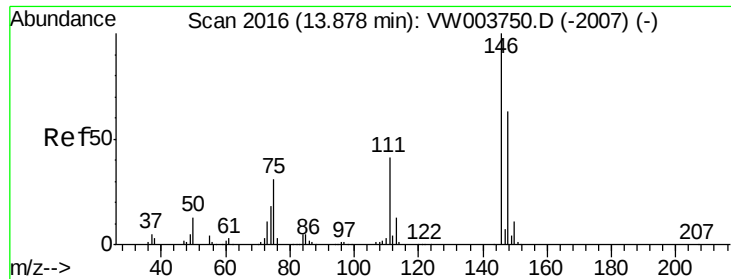
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#90
Hexachloroethane
Concen: 19.875 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW003771.D
Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.2	117.6





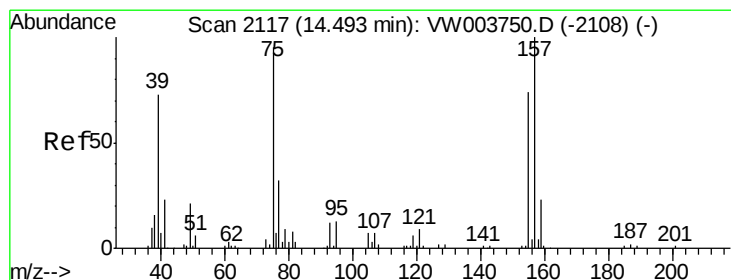
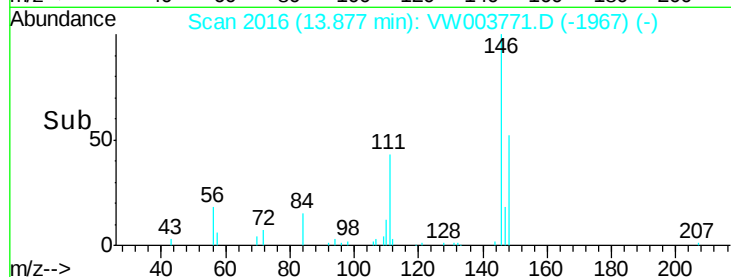
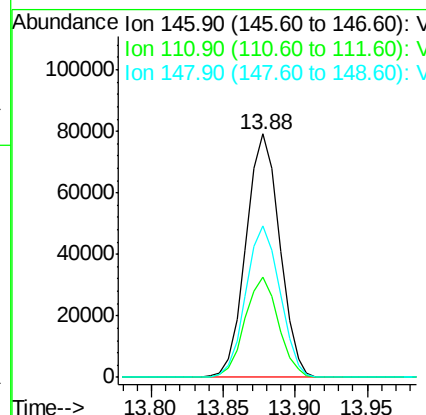
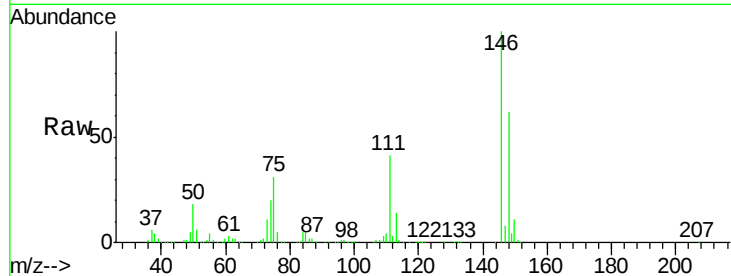
#91
 1,2-Dichlorobenzene
 Concen: 20.092 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	63.1	31.9	95.9

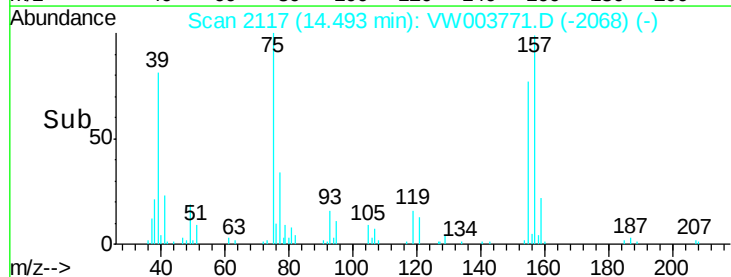
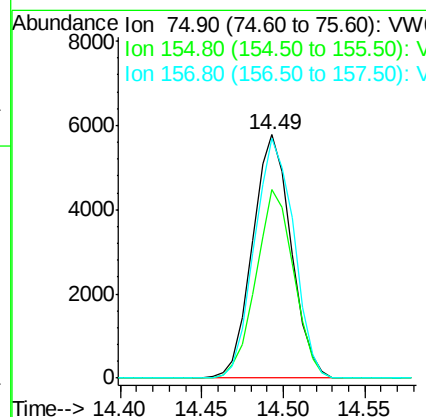
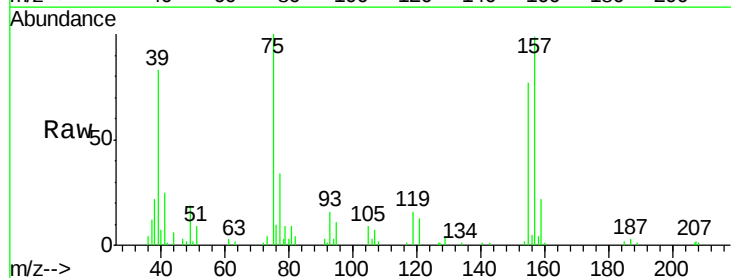
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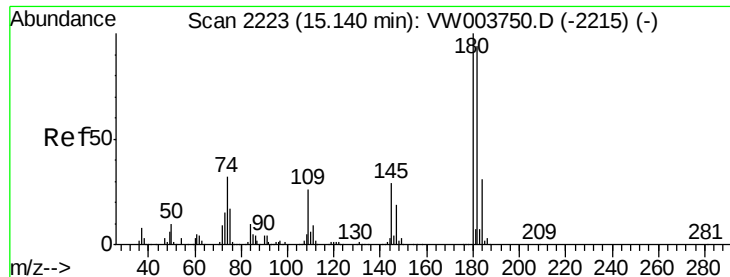
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.258 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	39.2	117.6
157	99.9	50.7	152.1





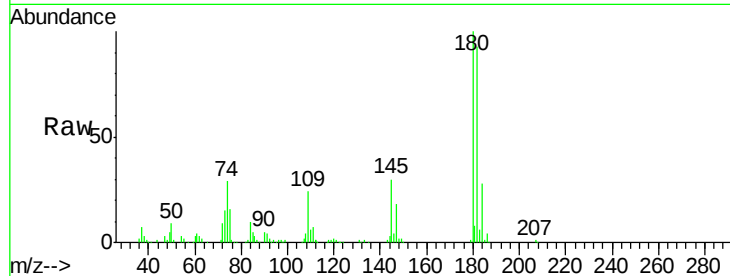
#93
 1,2,4-Trichlorobenzene
 Concen: 20.457 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

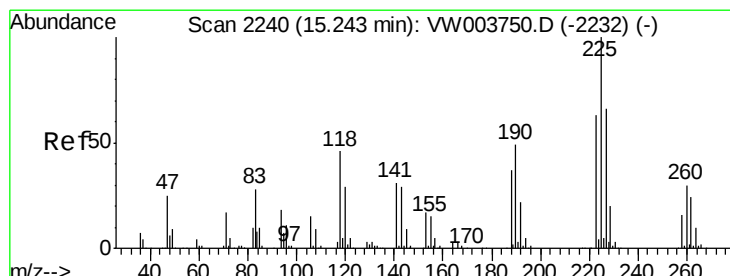
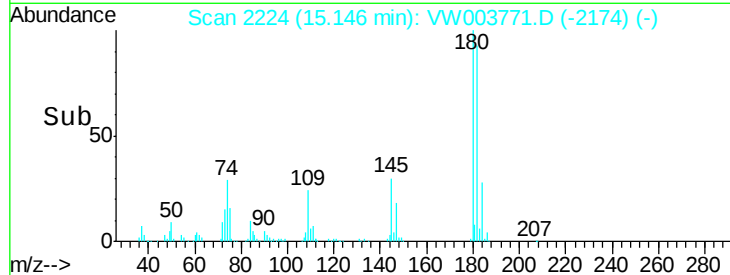
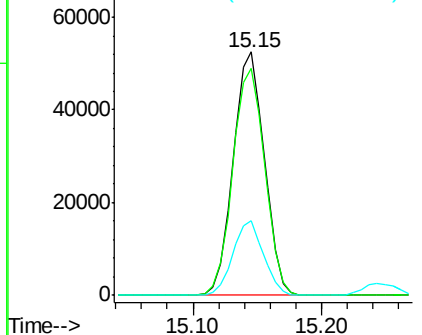
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	30.0	15.0	45.0

Manual Integrations
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 7/10/2018 10:47:15 AM

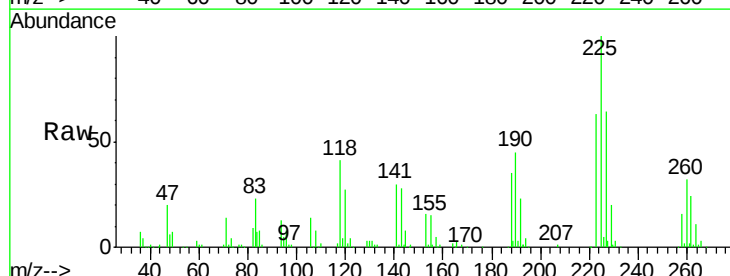


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

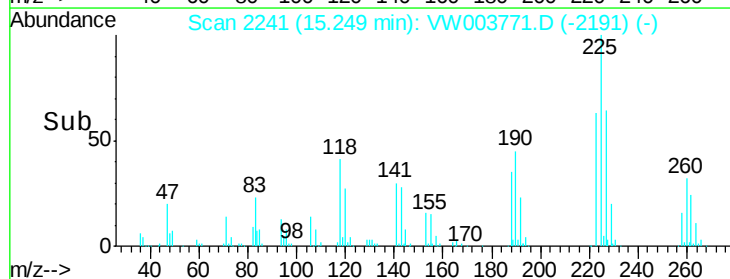
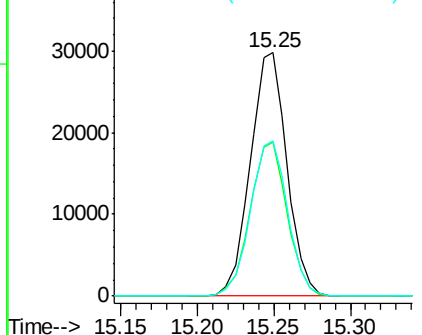


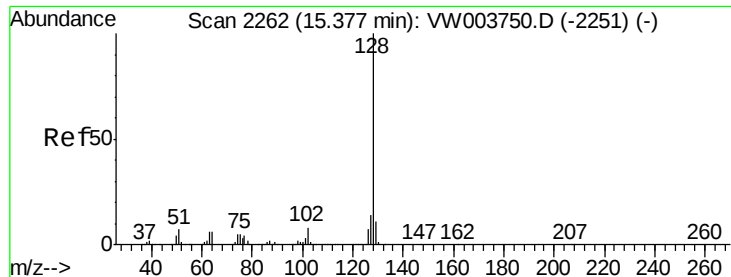
#94
 Hexachlorobutadiene
 Concen: 20.076 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW003771.D
 Acq: 09 Jul 2018 12:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.6	97.7
227	64.9	32.5	97.5



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





#95

Naphthalene

Concen: 20.024 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Instrument :

MSVOA_W

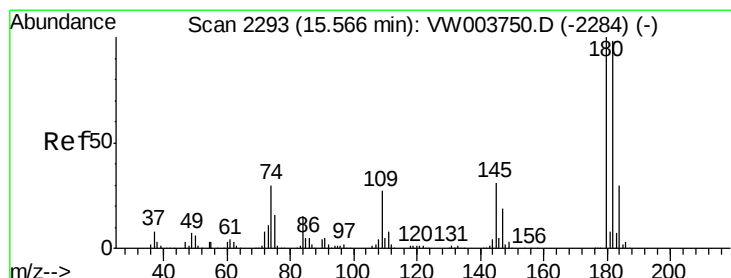
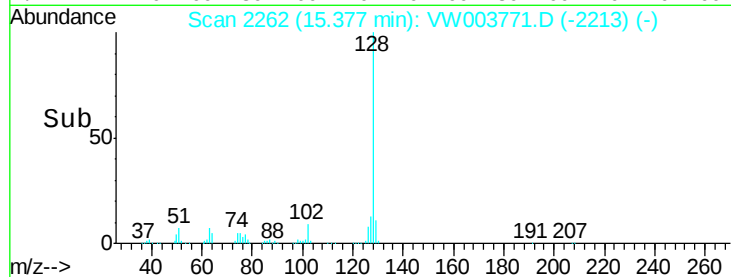
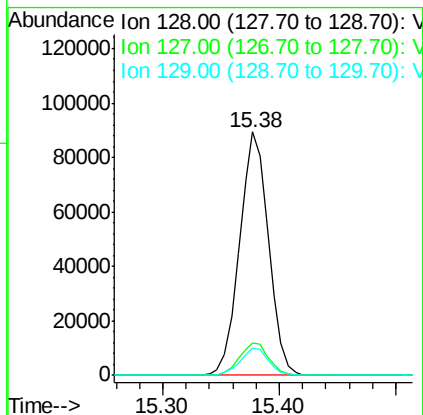
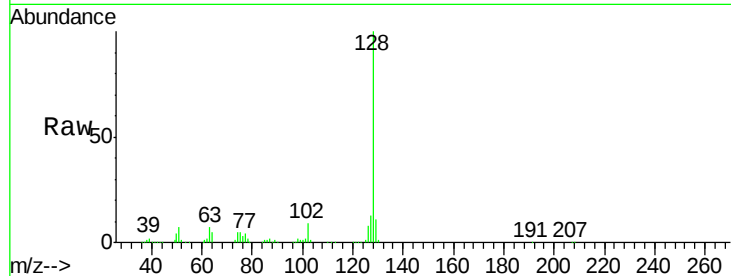
ClientSampleId :

VW0709SBS01

Tot Ion:	128	Resp:	154364
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.0	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.829 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003771.D

Acq: 09 Jul 2018 12:33

Tgt Ion:	180	Resp:	76582
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.4	142.3
145	32.7	15.8	47.4

