

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007576.D
 Acq On : 15 Dec 2018 12:42
 Operator : SY/AP
 Sample : VW1217SBS03
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS03

Manual Integrations
 APPROVED

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 12/17/2018 1:46:01 PM

Quant Time: Dec 15 20:12:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	122188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42822	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	7.88	113	39217	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.32	98	149706	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.62	95	55944	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11028	21.604	ug/l	94
3) Chloromethane	2.21	50	8877	20.764	ug/l	99
4) Vinyl Chloride	2.37	62	10968	21.862	ug/l	99
5) Bromomethane	2.78	94	6963	20.656	ug/l	96
6) Chloroethane	2.93	64	5762	20.864	ug/l	99
7) Trichlorofluoromethane	3.26	101	9833	21.800	ug/l	92
8) Diethyl Ether	3.68	74	6919	19.599	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	15269	20.516	ug/l	95
10) Methyl Iodide	4.26	142	25788	20.921	ug/l	97
11) Tert butyl alcohol	5.17	59	5790	104.028	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	15293	21.342	ug/l	99
13) Acrolein	3.90	56	2460	66.796	ug/l	95
14) Allyl chloride	4.66	41	20622	19.524	ug/l	97
15) Acrylonitrile	5.37	53	14153	95.100	ug/l	98
16) Acetone	4.12	43	12234	86.426	ug/l	97
17) Carbon Disulfide	4.37	76	46311	21.315	ug/l	98
18) Methyl Acetate	4.67	43	8369	21.783	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	22325	20.652	ug/l	98
20) Methylene Chloride	4.91	84	17125	19.753	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	16540	20.634	ug/l	97
22) Diisopropyl ether	6.31	45	39495	19.453	ug/l	97
23) Vinyl Acetate	6.26	43	103576	91.208	ug/l	97
24) 1,1-Dichloroethane	6.21	63	27730	20.209	ug/l	98
25) 2-Butanone	7.17	43	17228	93.225	ug/l	90
26) 2,2-Dichloropropane	7.17	77	17808	19.609	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	18383	20.944	ug/l	99
28) Bromochloromethane	7.51	49	10418	20.185	ug/l	100
29) Tetrahydrofuran	7.54	42	11015	94.153	ug/l	96
30) Chloroform	7.68	83	31082	20.815	ug/l	97
31) Cyclohexane	7.95	56	24699	19.619	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	28336	21.639	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23721	21.281	ug/l	99
37) Ethyl Acetate	7.26	43	7904	19.065	ug/l	100
38) Carbon Tetrachloride	8.07	117	26508	21.857	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28874	21.393	ug/l	94
40) Benzene	8.32	78	65505	21.176	ug/l	99
41) Methacrylonitrile	7.49	41	5153	21.827	ug/l	95
42) 1,2-Dichloroethane	8.40	62	20749	21.353	ug/l	100
43) Isopropyl Acetate	8.43	43	16201	19.784	ug/l	98
44) Trichloroethene	9.09	130	18419	20.852	ug/l	98
45) 1,2-Dichloropropane	9.37	63	15061	21.040	ug/l	98
46) Dibromomethane	9.46	93	8520	20.959	ug/l	99
47) Bromodichloromethane	9.65	83	22700	21.289	ug/l	96
48) Methyl methacrylate	9.44	41	7812	18.574	ug/l	92
49) 1,4-Dioxane	9.45	88	3070	465.440	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	38359	99.135	ug/l	99
52) Toluene	10.39	92	43758	21.859	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	21262	20.539	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	23638	19.753	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	12338	22.301	ug/l	97
56) Ethyl methacrylate	10.65	69	14366	21.603	ug/l	99
57) 1,3-Dichloropropane	10.93	76	20175	22.217	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	28905	94.257	ug/l	100
59) 2-Hexanone	10.97	43	26334	102.066	ug/l	99
60) Dibromochloromethane	11.13	129	15372	22.016	ug/l	98
61) 1,2-Dibromoethane	11.24	107	11912	21.787	ug/l	96
64) Tetrachloroethene	10.87	164	17313	22.073	ug/l	98
65) Chlorobenzene	11.66	112	49196	21.640	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	16721	20.883	ug/l	95
67) Ethyl Benzene	11.73	91	84730	21.678	ug/l	93
68) m/p-Xylenes	11.84	106	67253	44.260	ug/l	97
69) o-Xylene	12.17	106	30699	21.633	ug/l	97
70) Styrene	12.18	104	50828	22.175	ug/l	98
71) Bromoform	12.35	173	8249	20.128	ug/l #	96
73) Isopropylbenzene	12.47	105	86737	20.697	ug/l	100
74) N-amyl acetate	12.28	43	14544	19.095	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	12922	20.818	ug/l	92
76) 1,2,3-Trichloropropane	12.77	75	10034m	22.250	ug/l	
77) Bromobenzene	12.75	156	19804	21.319	ug/l	99
78) n-propylbenzene	12.81	91	102102	21.648	ug/l	99
79) 2-Chlorotoluene	12.90	91	59647	20.901	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	74806	21.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3627	17.766	ug/l	96
82) 4-Chlorotoluene	12.99	91	62442	20.757	ug/l	97
83) tert-Butylbenzene	13.21	119	65580	21.136	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	76422	21.090	ug/l	99
85) sec-Butylbenzene	13.39	105	90798	21.436	ug/l	97
86) p-Isopropyltoluene	13.51	119	80781	21.229	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	38930	21.019	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	38598	20.729	ug/l	98
89) n-Butylbenzene	13.83	91	73801	20.921	ug/l	98
90) Hexachloroethane	14.10	117	14053	20.756	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	34501	20.798	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2409	19.339	ug/l	94

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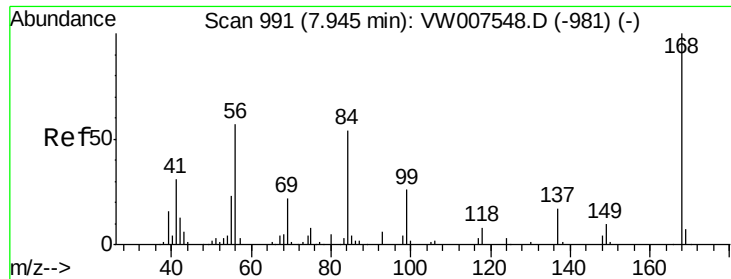
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23610	20.681	ug/l	94
94) Hexachlorobutadiene	15.24	225	12489	20.618	ug/l	99
95) Naphthalene	15.38	128	44799	20.513	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	20658	20.831	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD03

Tgt Ion:168 Resp: 73048

Ion Ratio Lower Upper

168 100

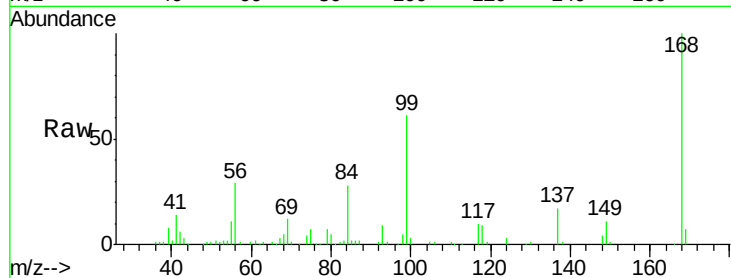
99 61.1 48.3 72.5

Manual Integrations

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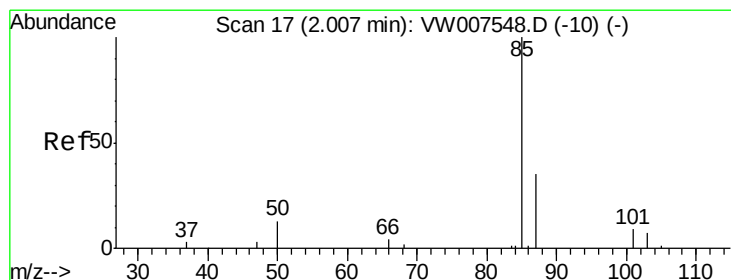
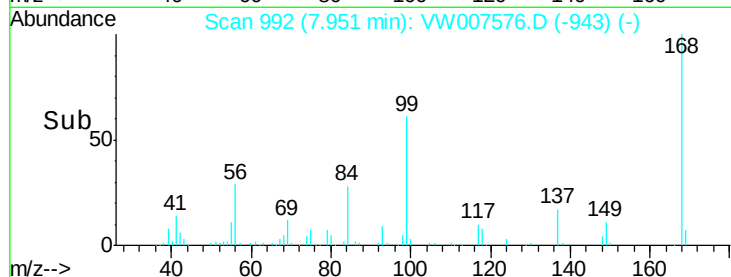
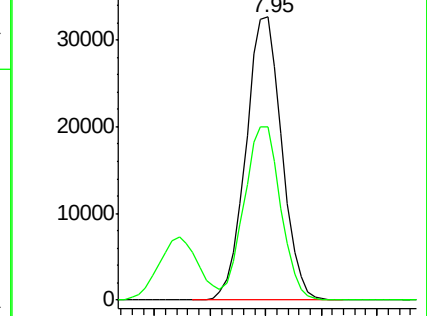
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.604 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007576.D

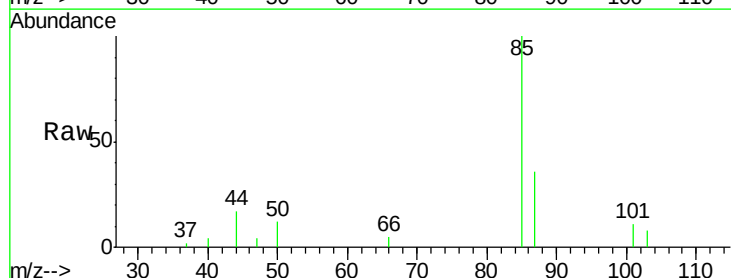
Acq: 15 Dec 2018 12:42

Tgt Ion: 85 Resp: 11028

Ion Ratio Lower Upper

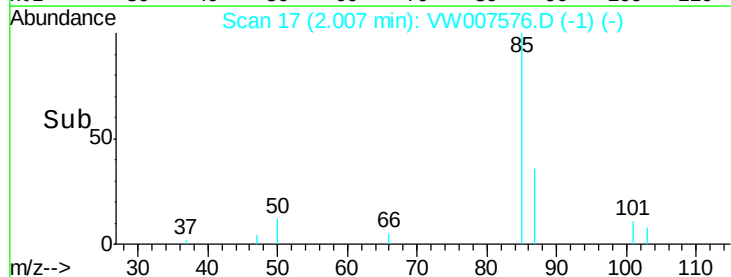
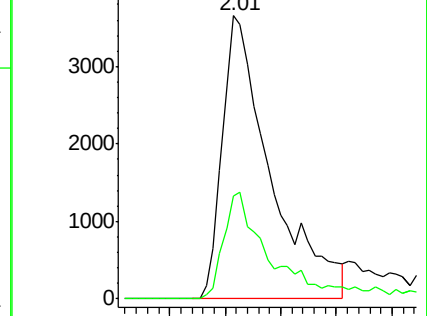
85 100

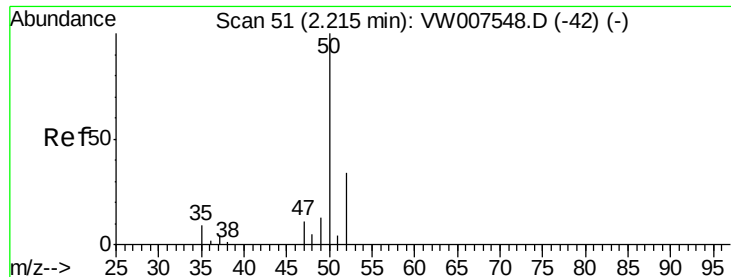
87 36.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.764 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD03

Tgt Ion: 50 Resp: 8877

Ion Ratio Lower Upper

50 100

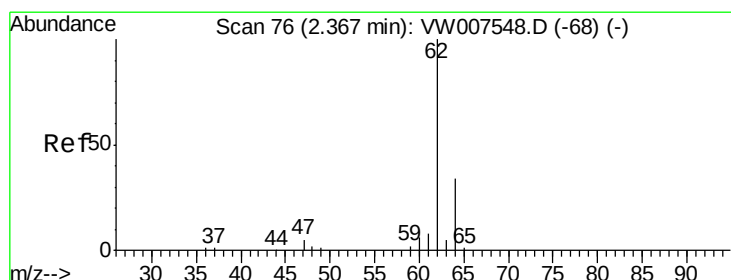
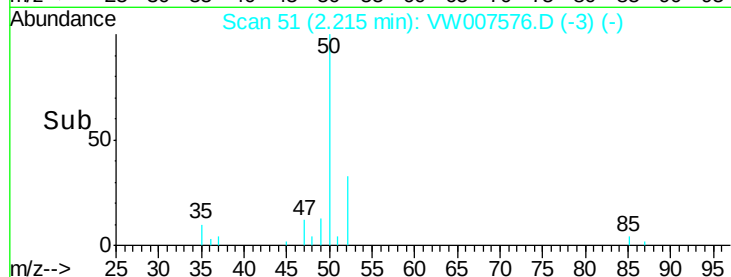
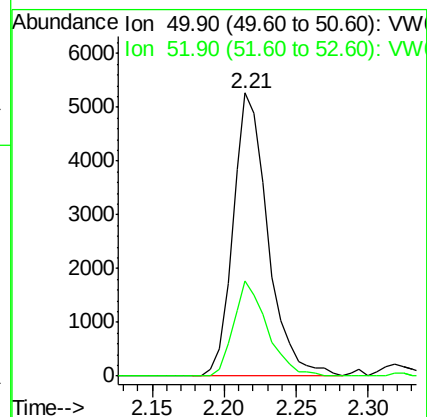
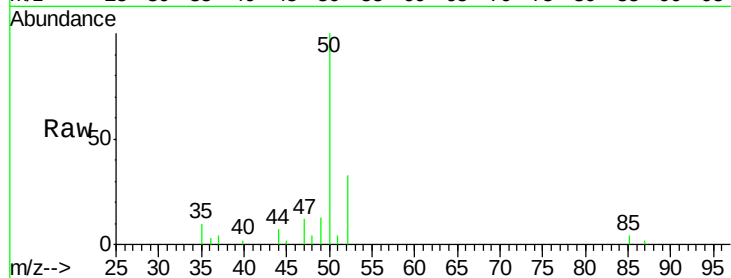
52 33.5 27.4 41.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.862 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007576.D

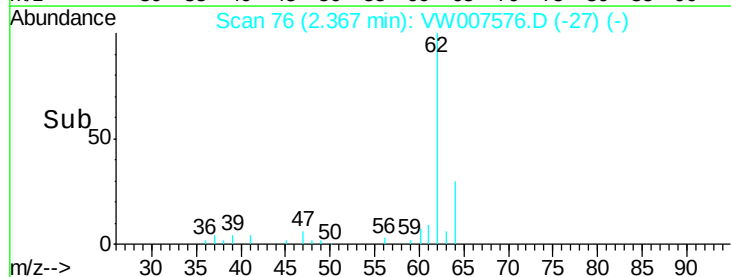
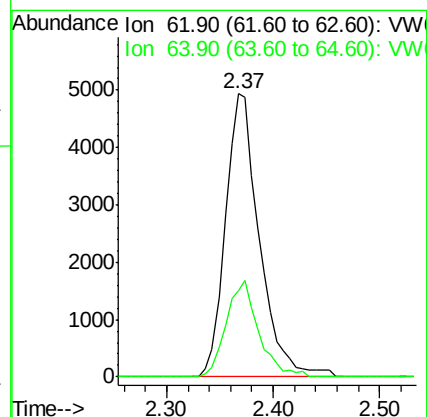
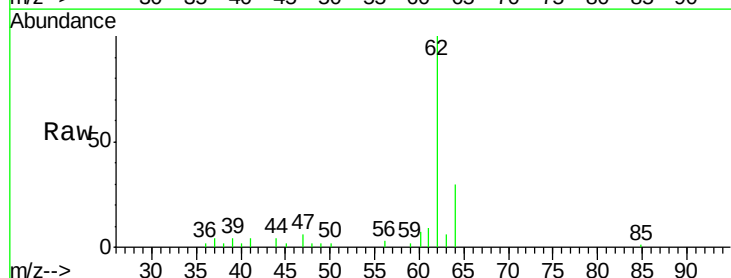
Acq: 15 Dec 2018 12:42

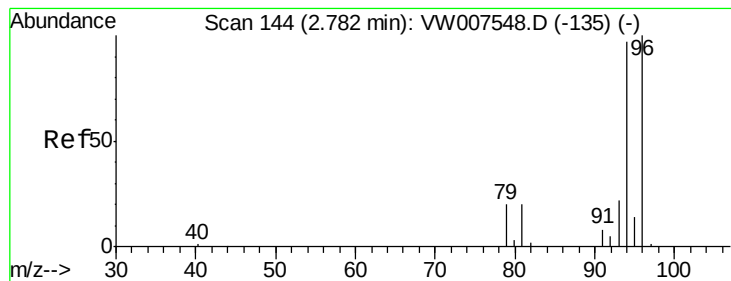
Tgt Ion: 62 Resp: 10968

Ion Ratio Lower Upper

62 100

64 30.4 24.6 37.0





#5

Bromomethane

Concen: 20.656 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD03

Tgt Ion: 94 Resp: 6963

Ion Ratio Lower Upper

94 100

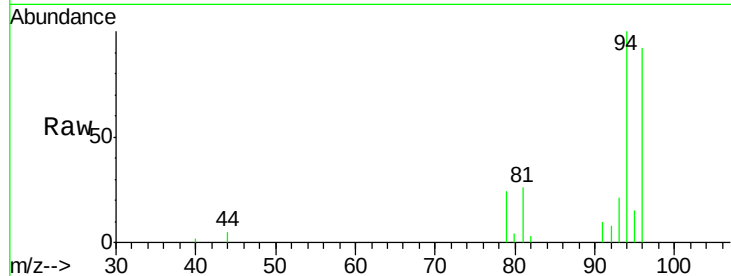
96 92.1 71.0 106.4

Manual Integrations

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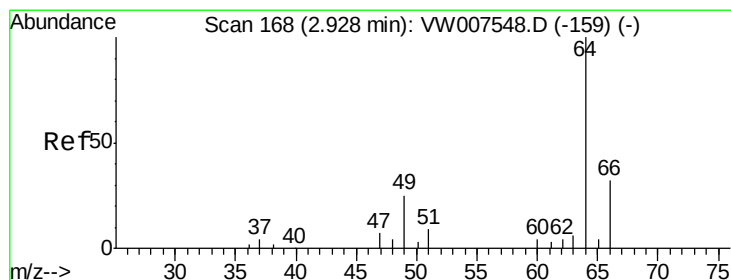
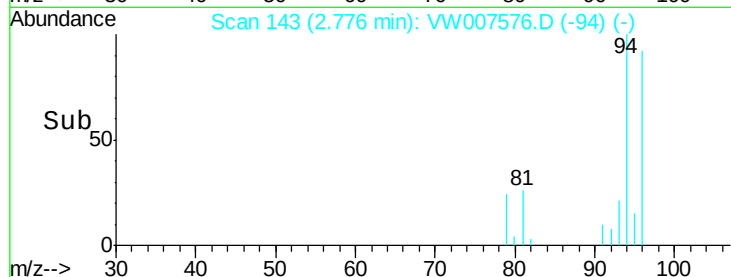
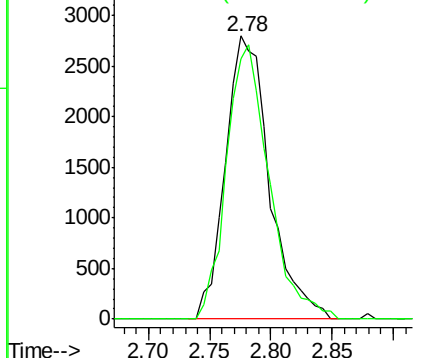
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.864 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007576.D

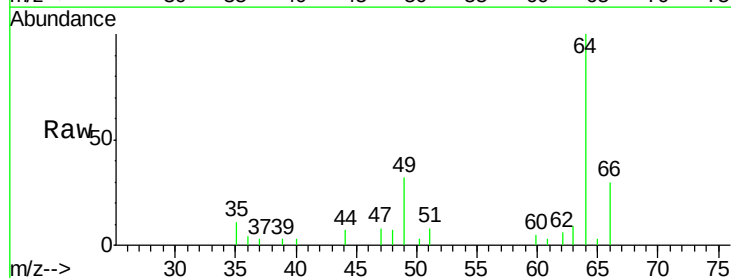
Acq: 15 Dec 2018 12:42

Tgt Ion: 64 Resp: 5762

Ion Ratio Lower Upper

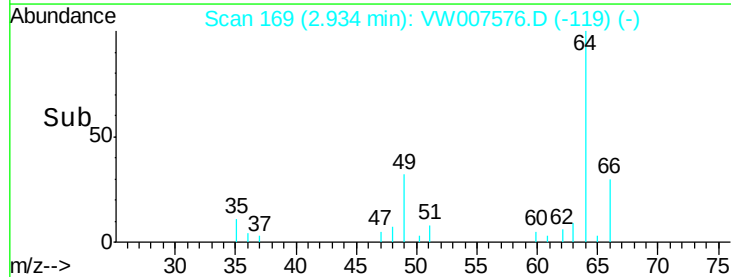
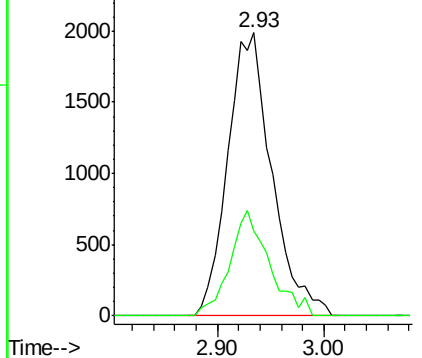
64 100

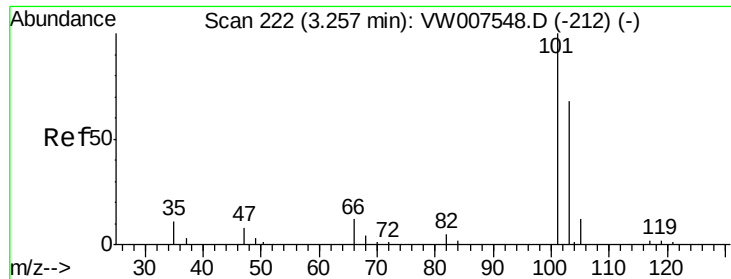
66 30.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

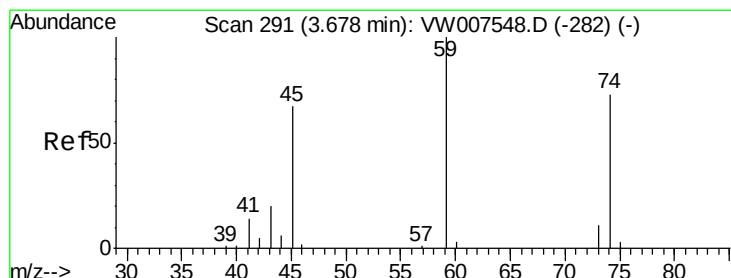
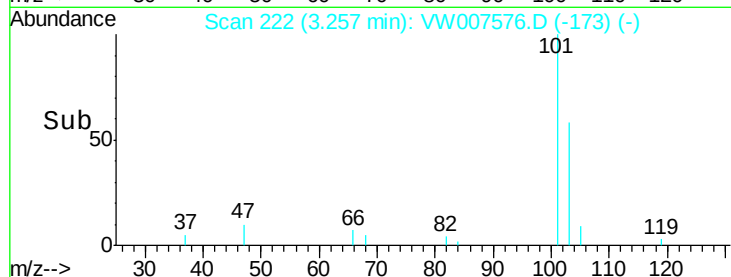
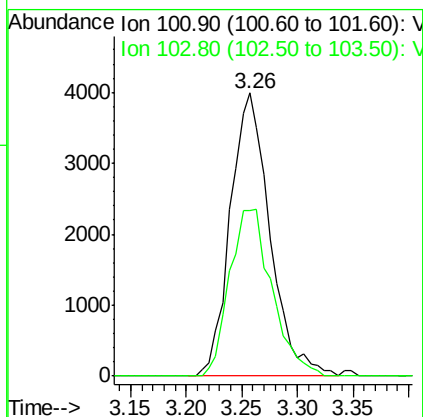
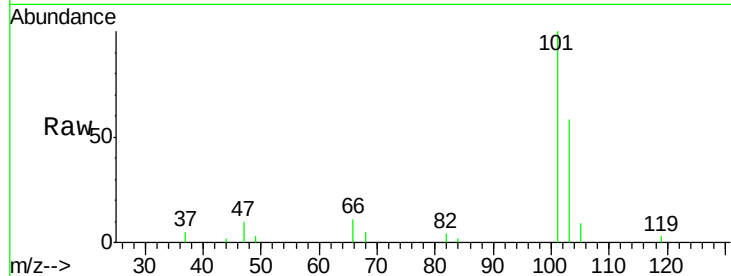
Trichlorofluoromethane
Concen: 21.800 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

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VW1217SBSD03

Tgt Ion: 101 Resp: 9833
Ion Ratio Lower Upper
101 100
103 58.4 51.7 77.5

Manual Integrations
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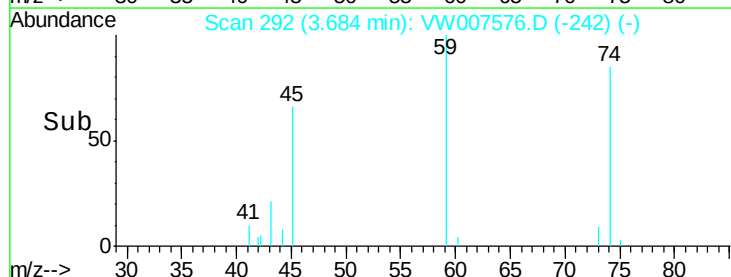
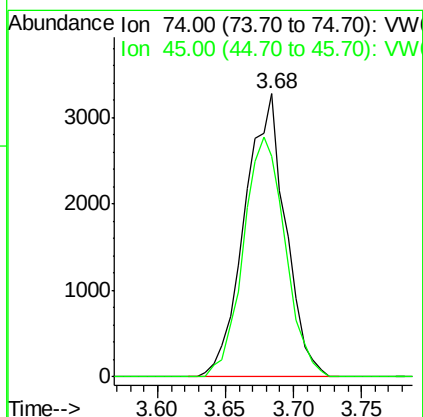
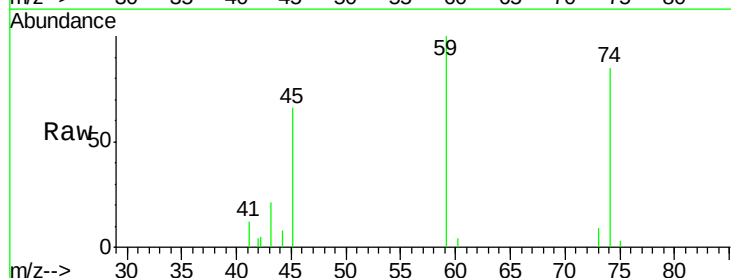
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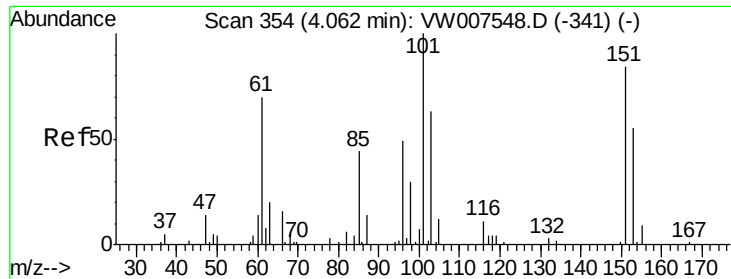


#8

Diethyl Ether
Concen: 19.599 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion: 74 Resp: 6919
Ion Ratio Lower Upper
74 100
45 86.3 43.0 129.0





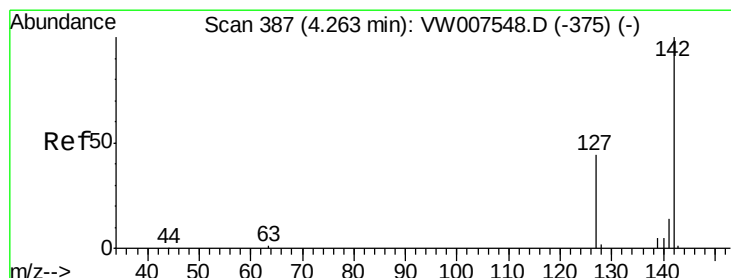
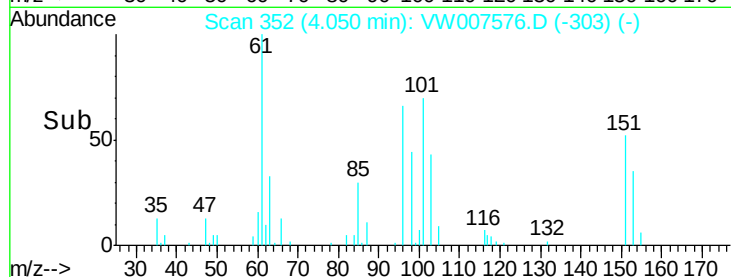
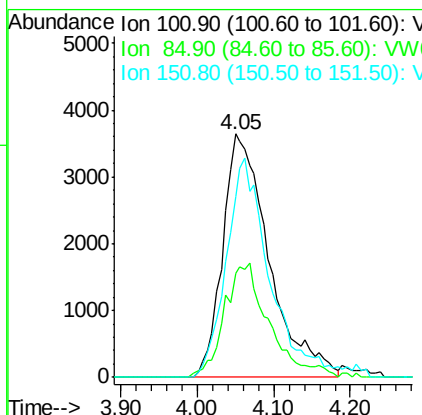
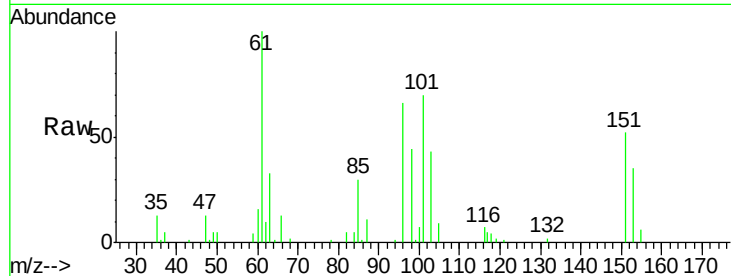
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.516 ug/l
 RT: 4.05 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
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 VW1217SBS03

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	15269		
85	45.2	33.9	50.9	
151	84.5	63.7	95.5	

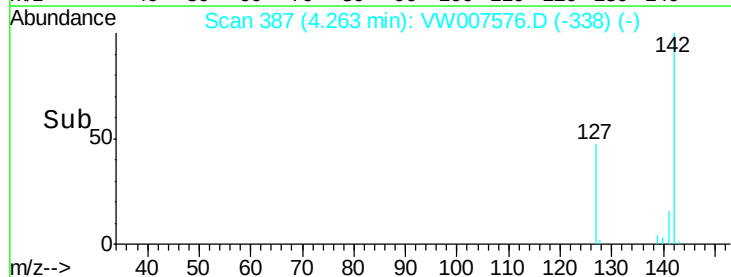
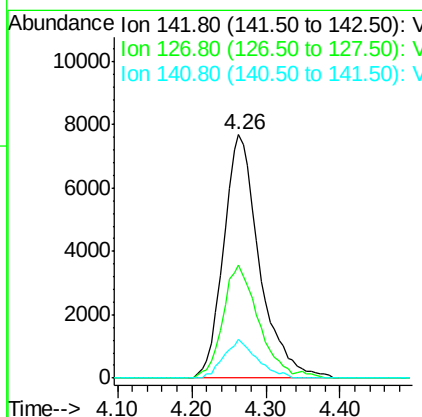
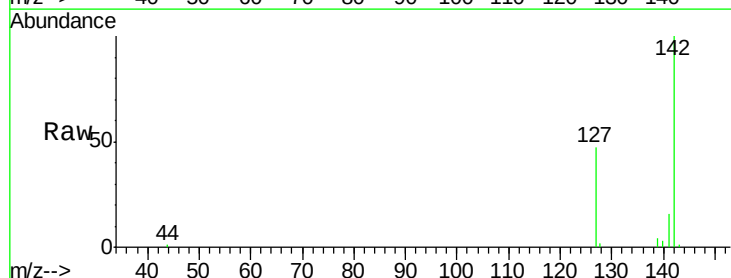
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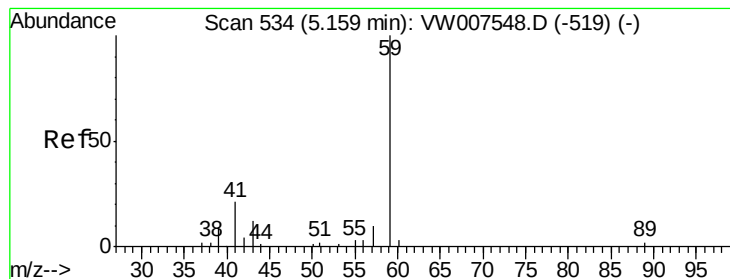
apatel
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#10
 Methyl Iodide
 Concen: 20.921 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	25788		
127	46.6	35.8	53.6	
141	14.5	11.1	16.7	





#11

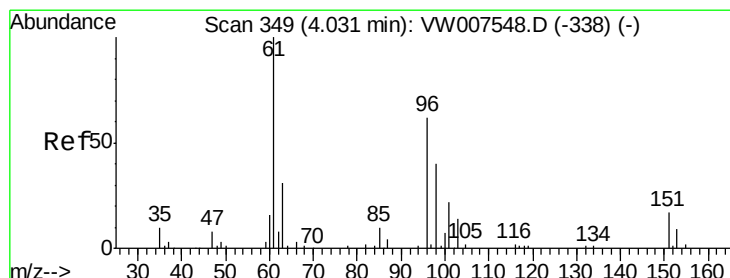
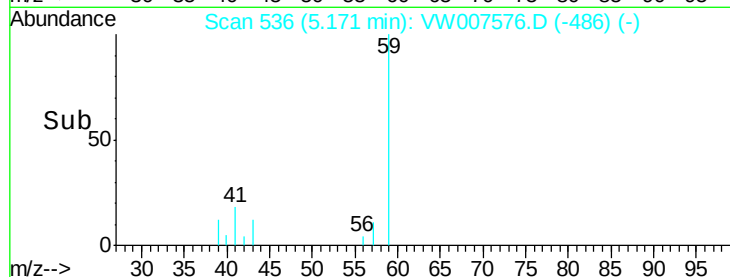
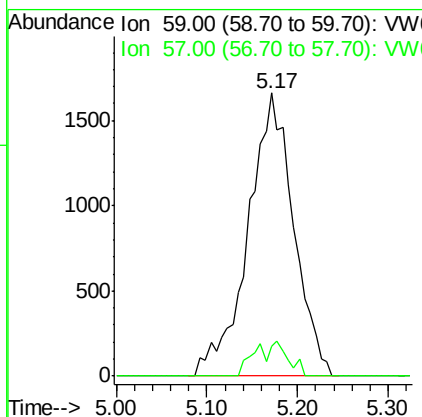
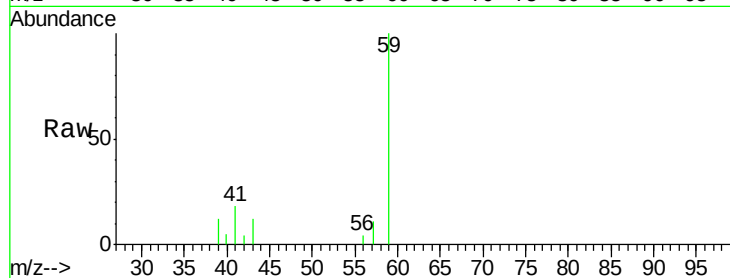
Tert butyl alcohol
 Concen: 104.028 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS03

Tgt Ion	Ratio	Lower	Upper
59	100		
57	4.9	7.6	11.4#

Manual Integrations
 APPROVED

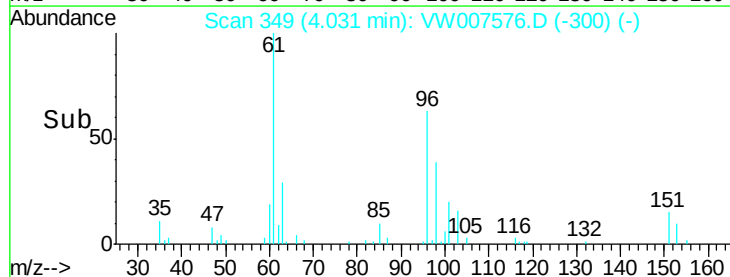
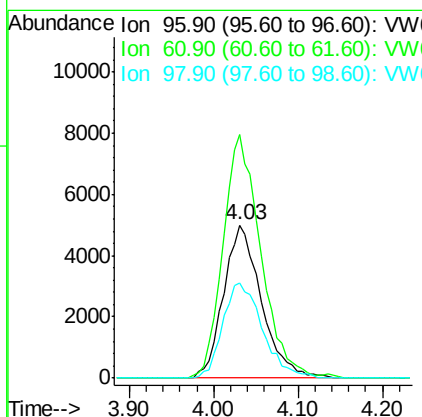
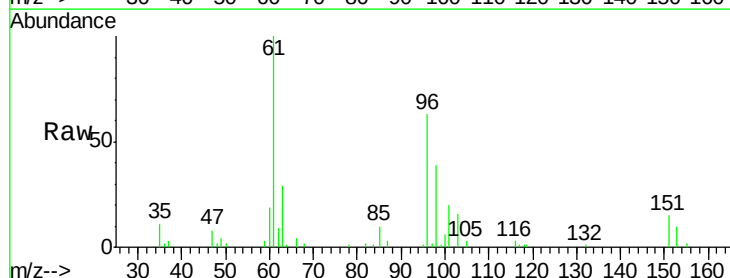
apatel
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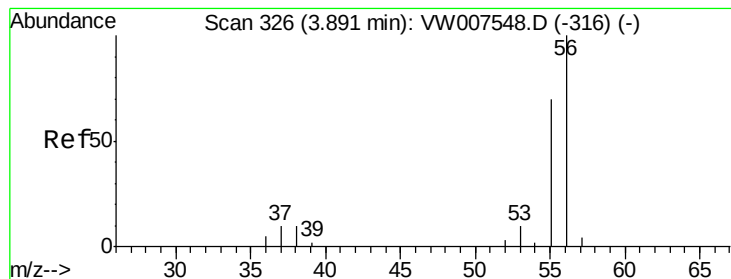


#12

1,1-Dichloroethene
 Concen: 21.342 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	126.2	189.2
98	61.7	48.3	72.5





#13

Acrolein

Concen: 66.796 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS03

Tgt Ion: 56 Resp: 2460

Ion Ratio Lower Upper

56 100

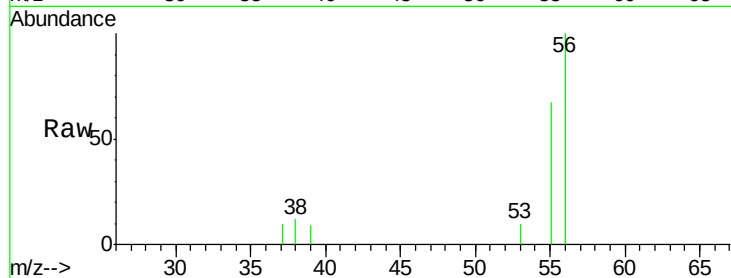
55 67.6 57.4 86.2

Manual Integrations

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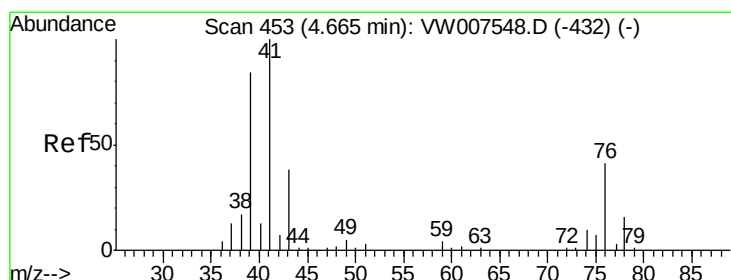
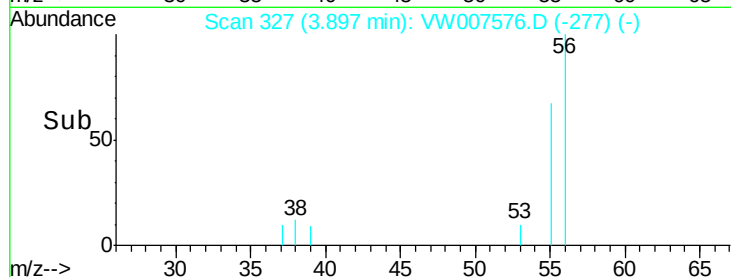
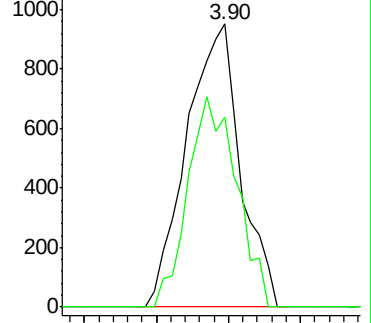
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 19.524 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

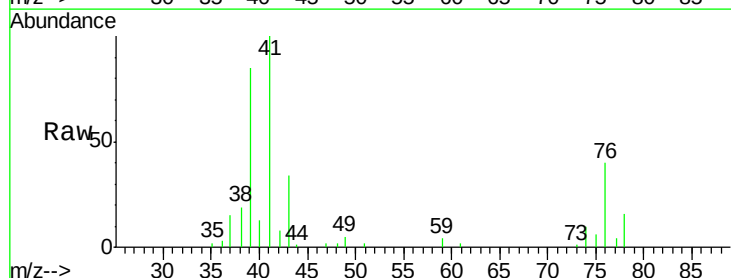
Tgt Ion: 41 Resp: 20622

Ion Ratio Lower Upper

41 100

39 82.1 63.4 95.2

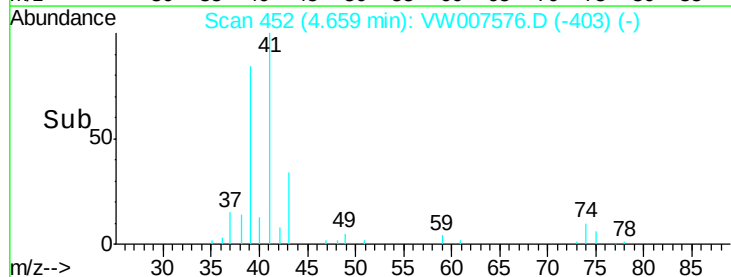
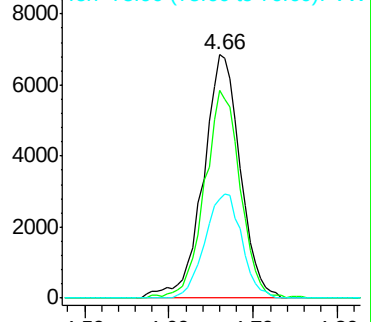
76 42.4 32.1 48.1

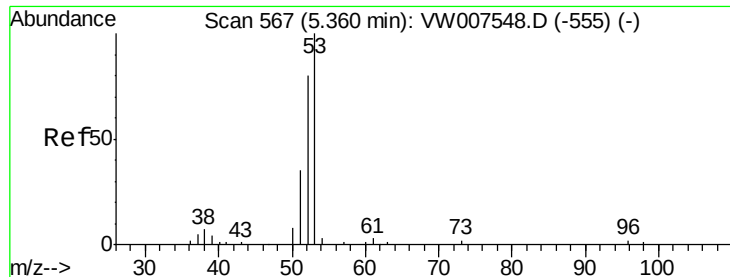


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 95.100 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

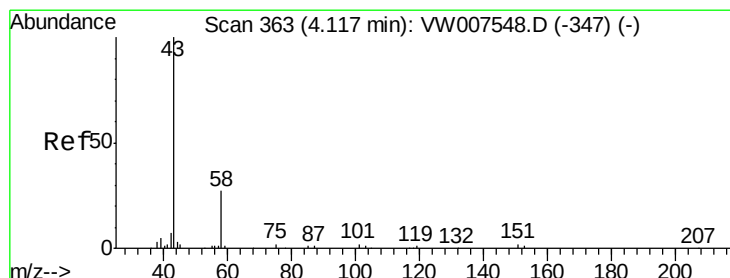
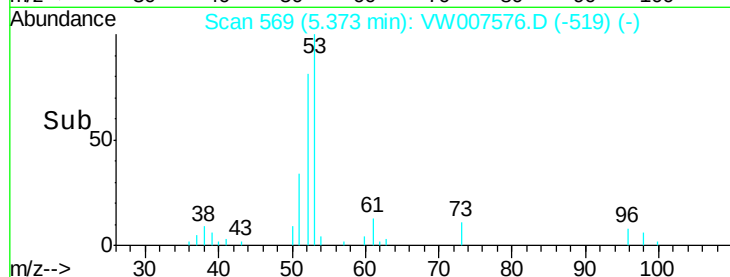
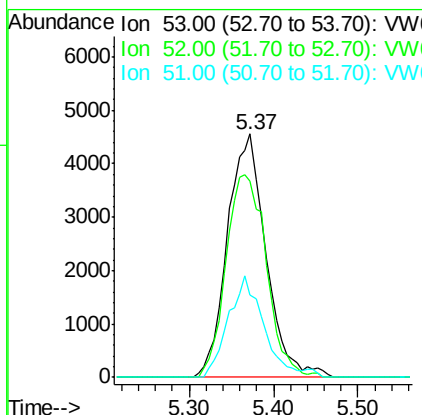
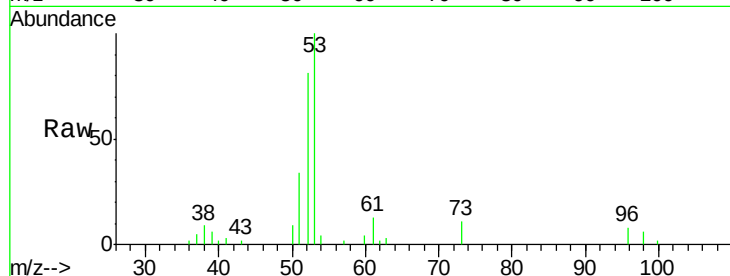
ClientSampleId :

VW1217SBS03

Tgt Ion:	53	Resp:	14153
Ion	Ratio	Lower	Upper
53	100		
52	87.1	67.4	101.2
51	37.8	30.2	45.2

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#16

Acetone

Concen: 86.426 ug/l

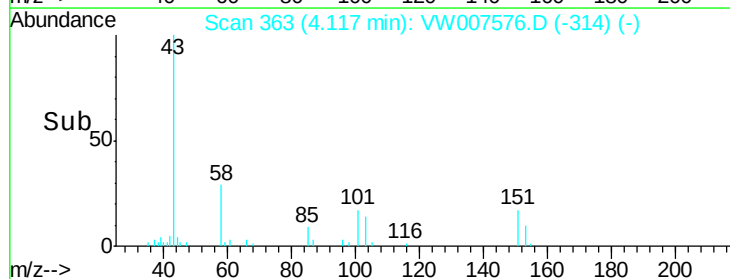
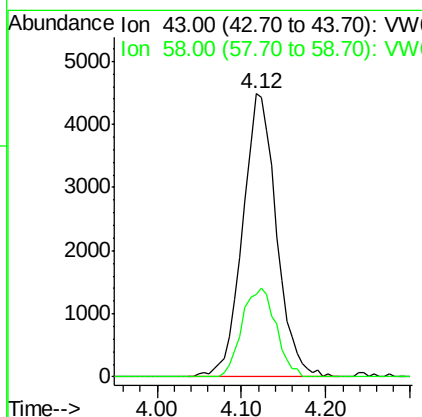
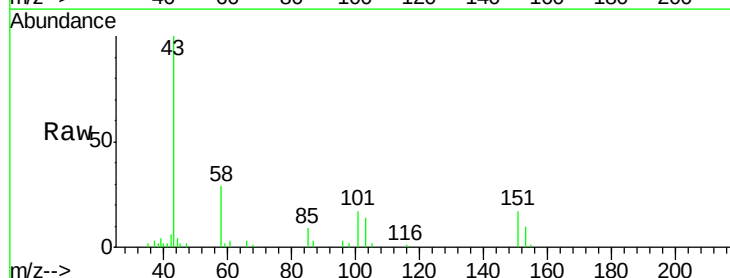
RT: 4.12 min Scan# 363

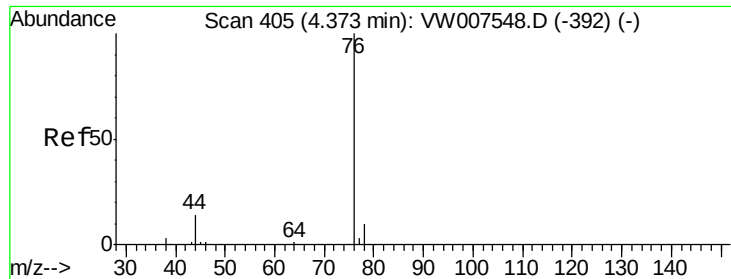
Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Tgt Ion:	43	Resp:	12234
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.9	37.3





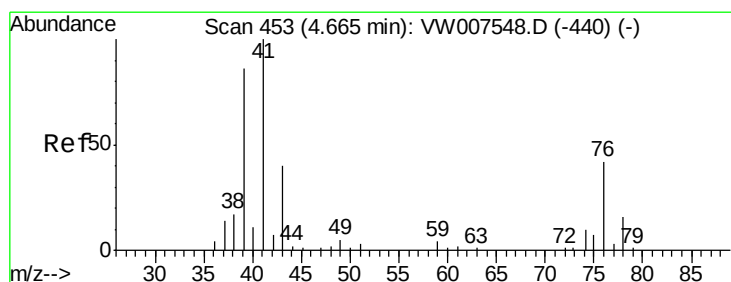
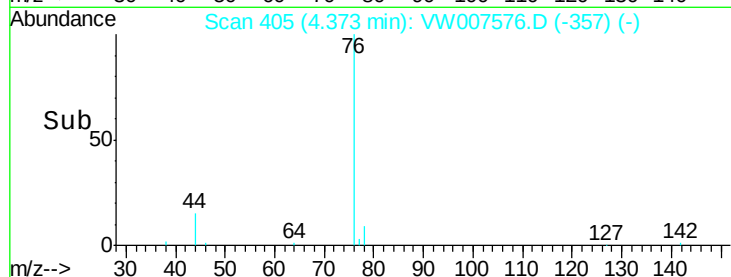
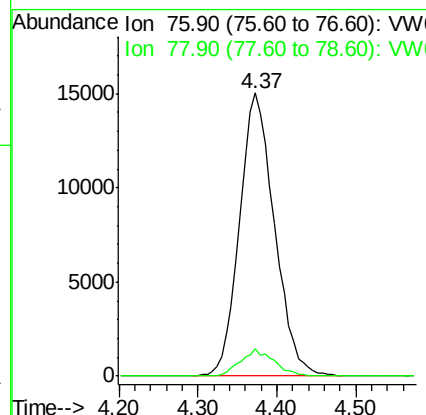
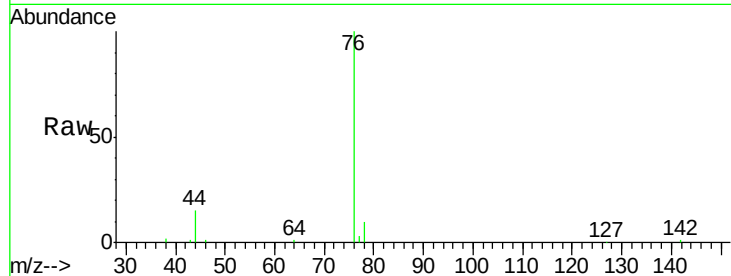
#17
Carbon Disulfide
Concen: 21.315 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion: 76 Resp: 46311
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7

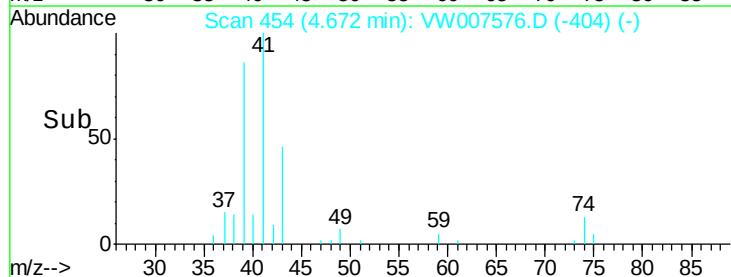
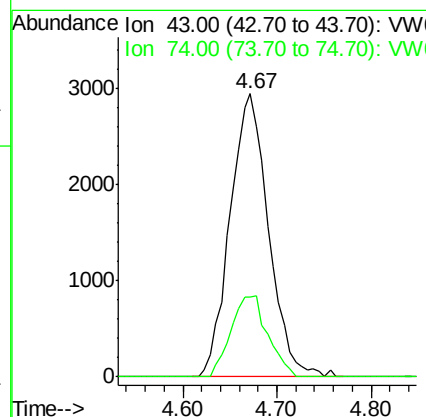
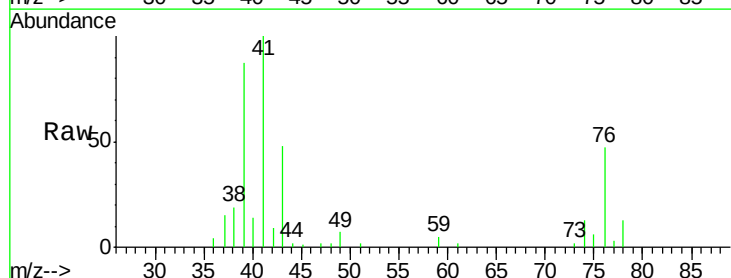
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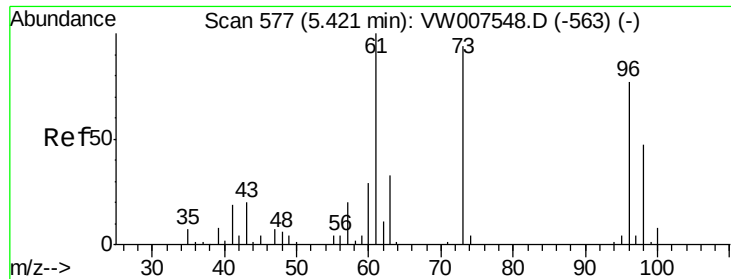
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#18
Methyl Acetate
Concen: 21.783 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion: 43 Resp: 8369
Ion Ratio Lower Upper
43 100
74 27.4 21.1 31.7





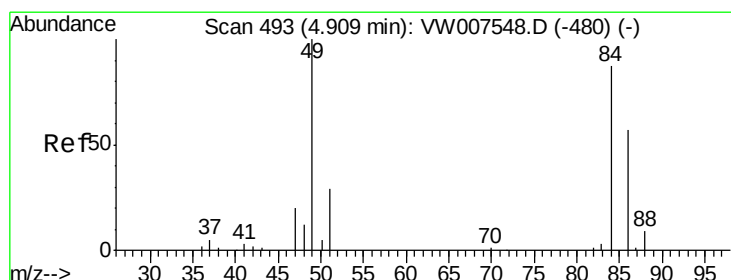
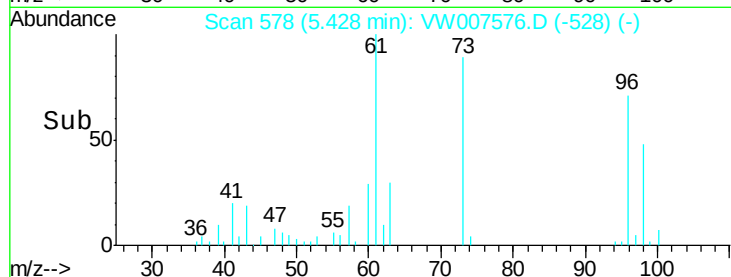
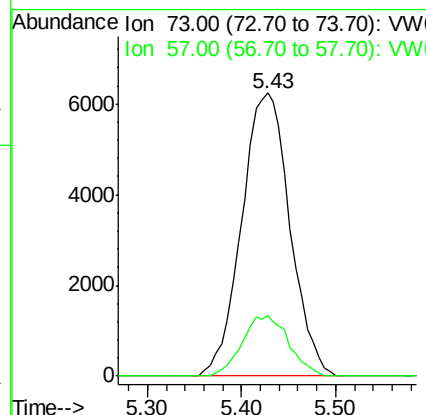
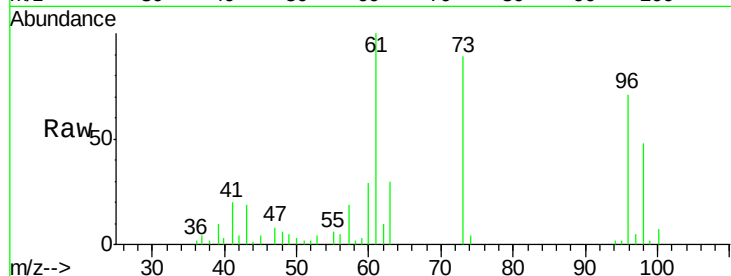
#19
Methyl tert-butyl Ether
Concen: 20.652 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion: 73 Resp: 22325
Ion Ratio Lower Upper
73 100
57 21.4 16.4 24.6

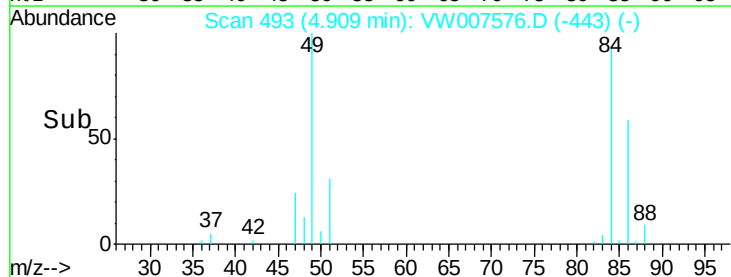
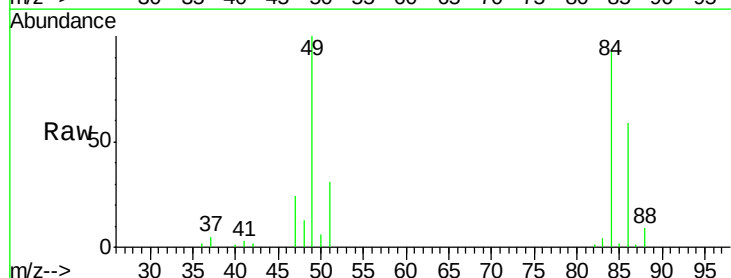
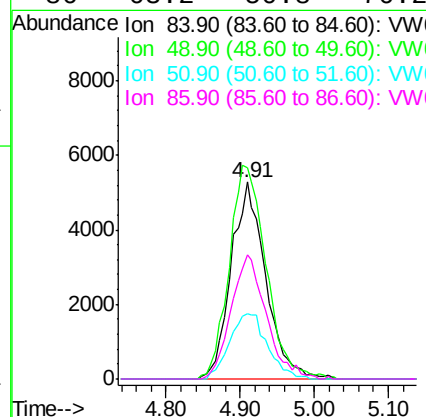
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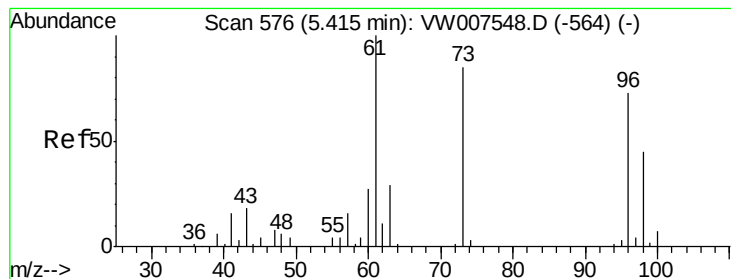
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#20
Methylene Chloride
Concen: 19.753 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion: 84 Resp: 17125
Ion Ratio Lower Upper
84 100
49 107.1 87.1 130.7
51 33.1 28.2 42.2
86 63.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.634 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

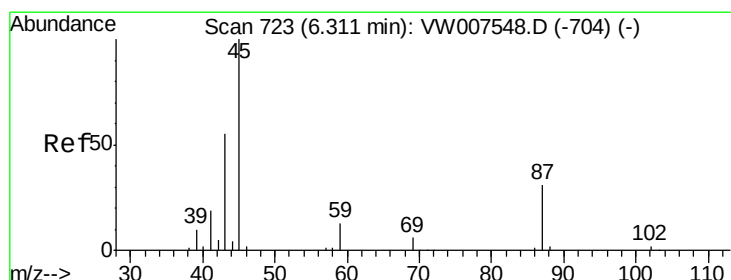
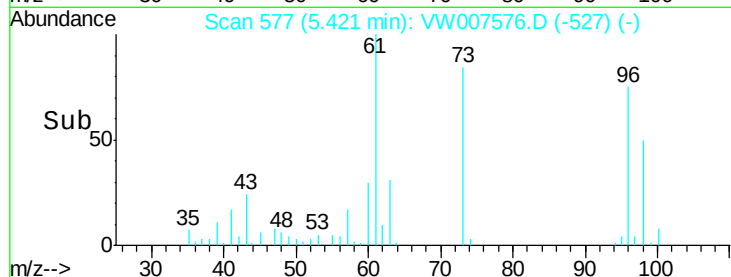
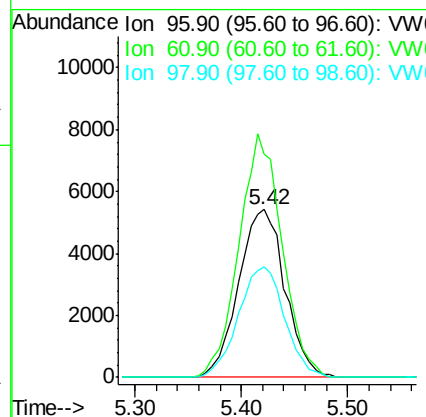
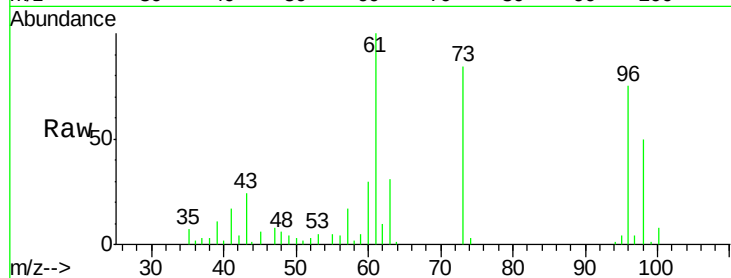
ClientSampleId :

VW1217SBSD03

Tgt Ion:	96	Resp:	16540
Ion	Ratio	Lower	Upper
96	100		
61	133.1	105.0	157.6
98	66.2	49.7	74.5

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#22

Diisopropyl ether

Concen: 19.453 ug/l

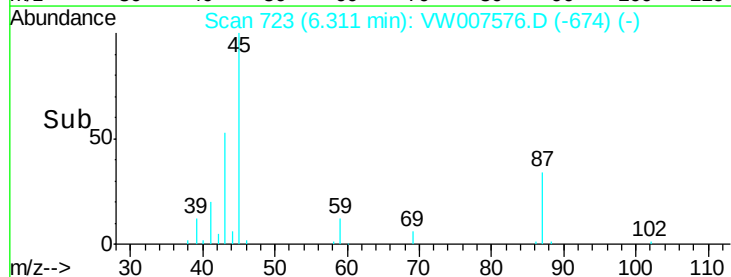
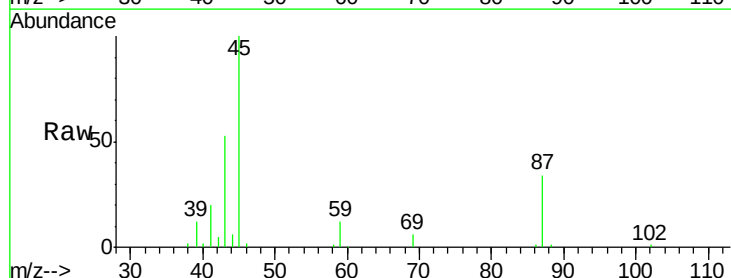
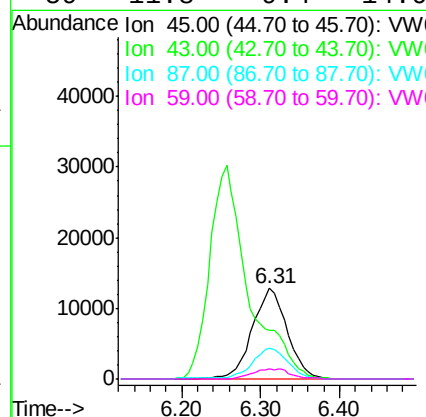
RT: 6.31 min Scan# 723

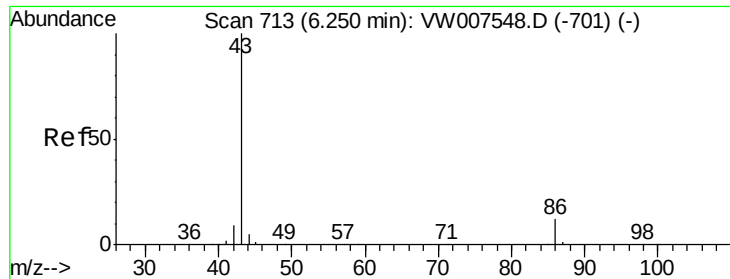
Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Tgt Ion:	45	Resp:	39495
Ion	Ratio	Lower	Upper
45	100		
43	53.0	41.6	62.4
87	34.3	24.3	36.5
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 91.208 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD03

Tgt Ion: 43 Resp: 103576

Ion Ratio Lower Upper

43 100

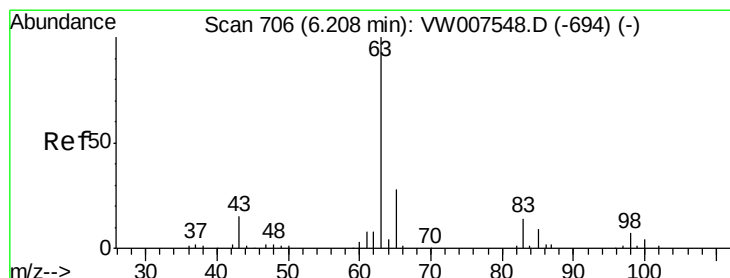
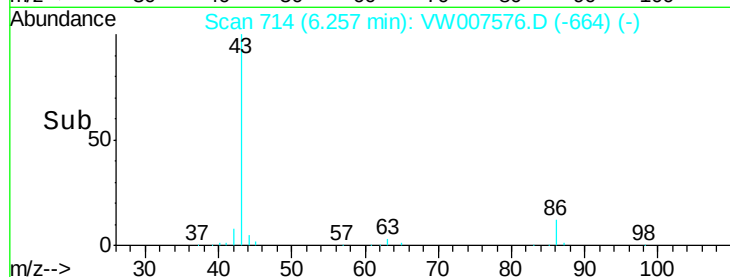
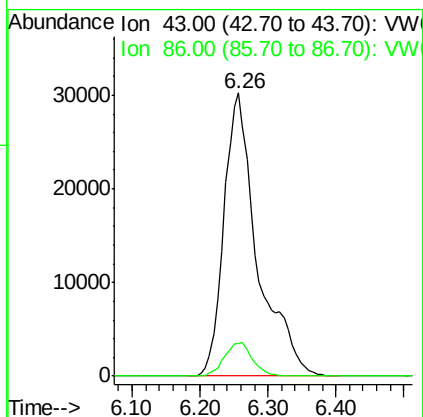
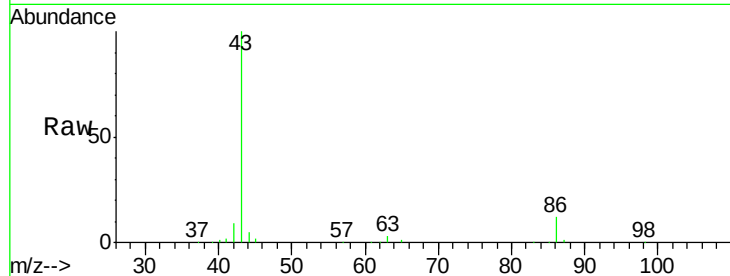
86 11.7 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 20.209 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

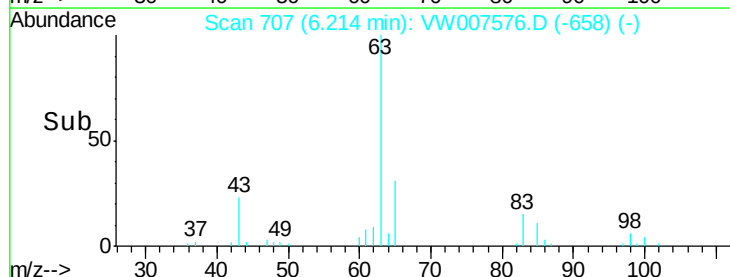
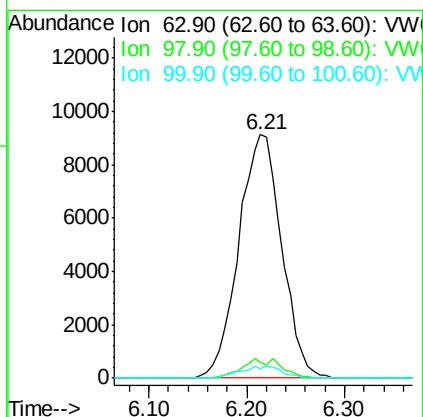
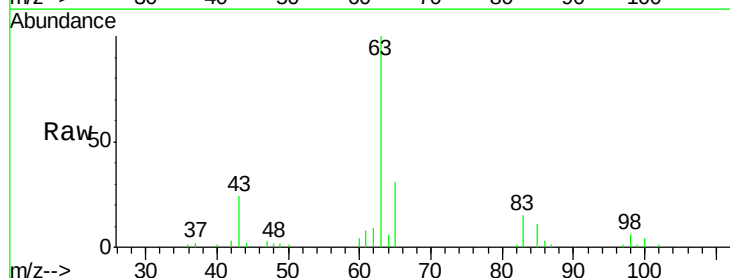
Tgt Ion: 63 Resp: 27730

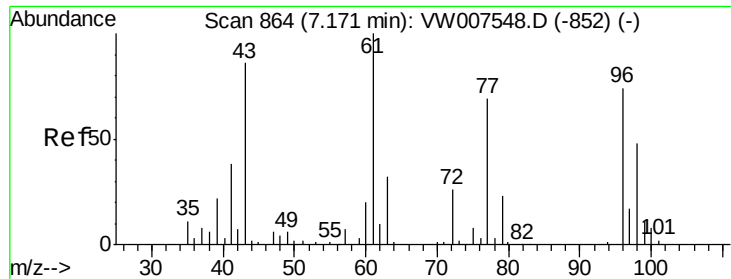
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.0 2.5 7.5





#25

2-Butanone

Concen: 93.225 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBS03

Tgt Ion: 43 Resp: 17228

Ion Ratio Lower Upper

43 100

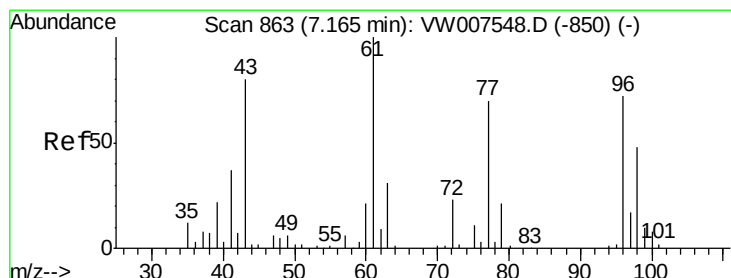
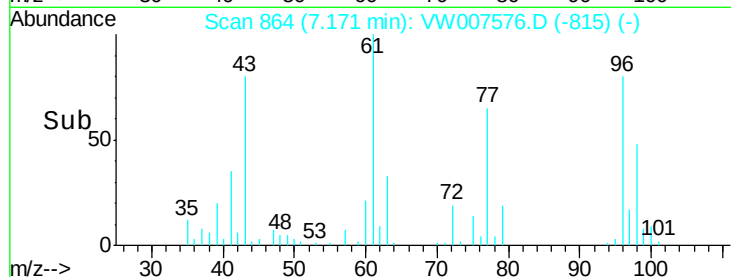
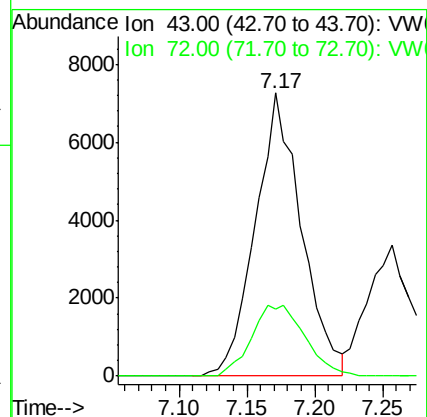
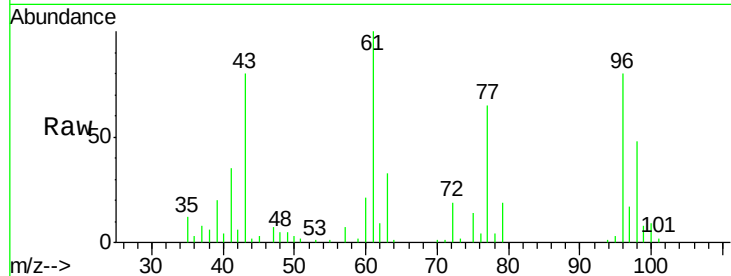
72 23.7 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.609 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007576.D

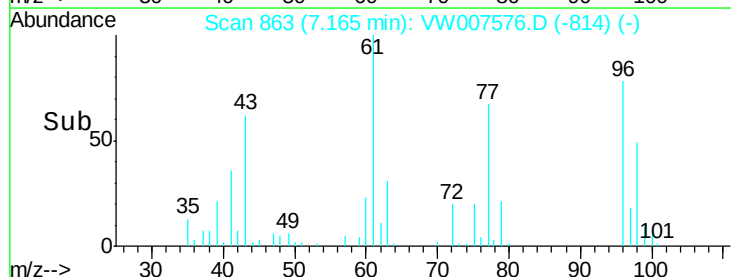
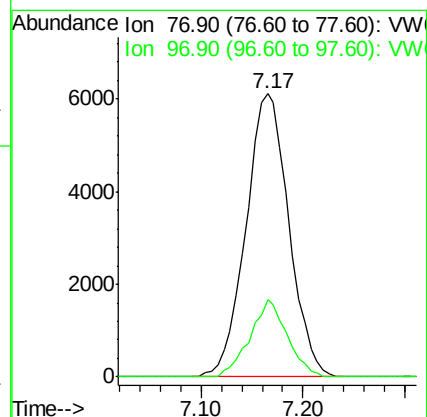
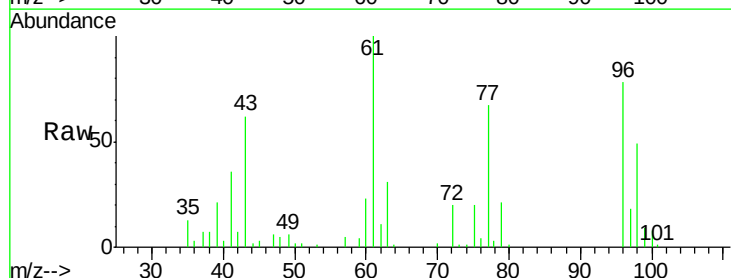
Acq: 15 Dec 2018 12:42

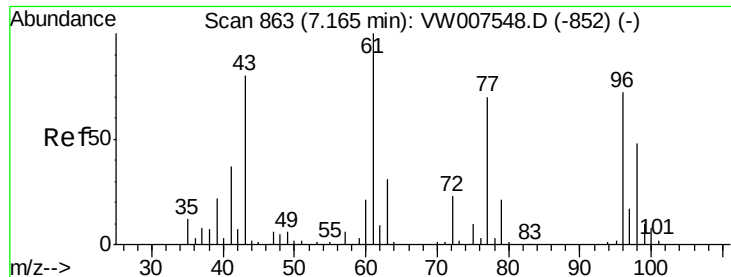
Tgt Ion: 77 Resp: 17808

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.8





#27

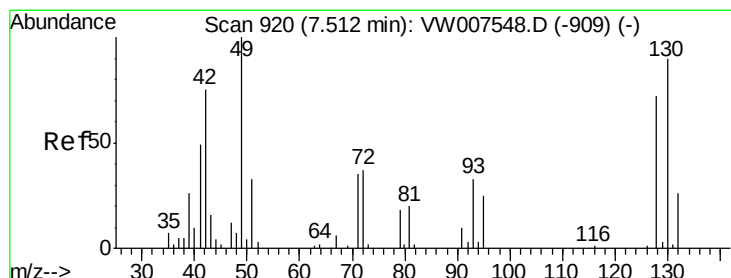
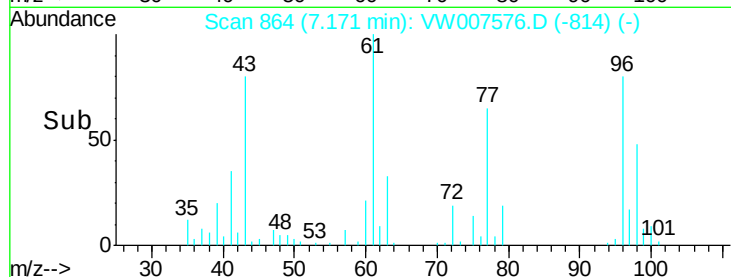
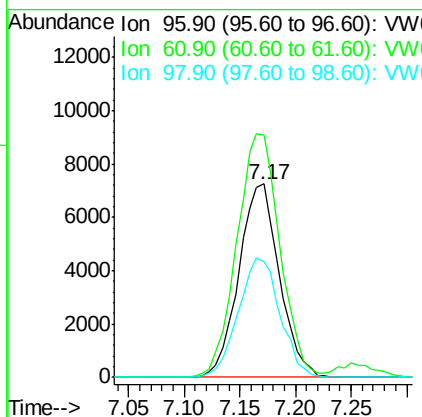
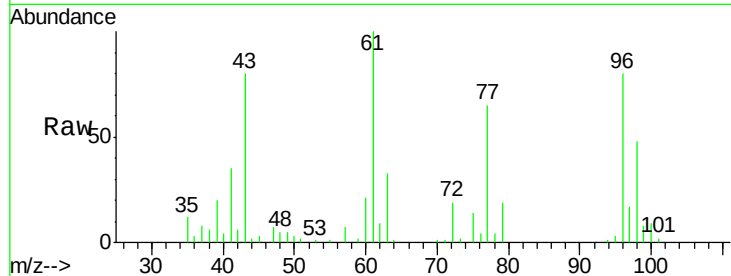
cis-1,2-Dichloroethene
Concen: 20.944 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	268.4
98	63.4	0.0	127.8

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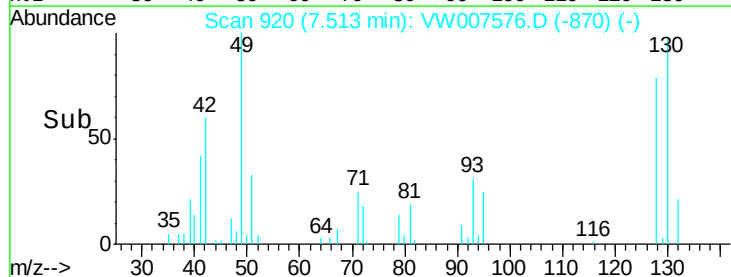
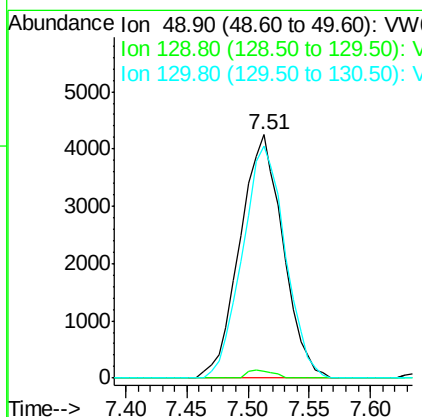
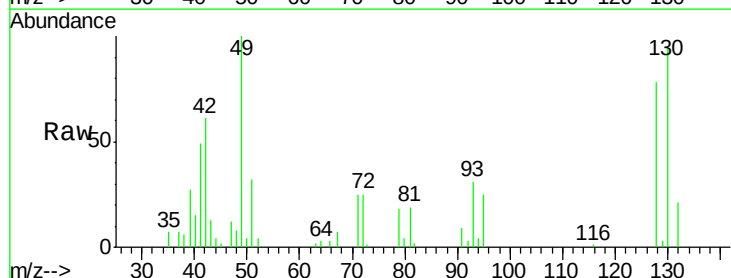
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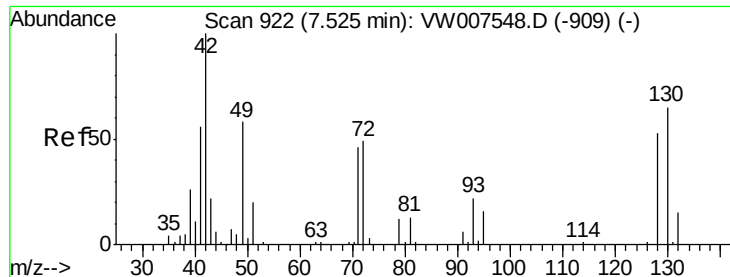


#28

Bromochloromethane
Concen: 20.185 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.6
130	94.7	75.9	113.9





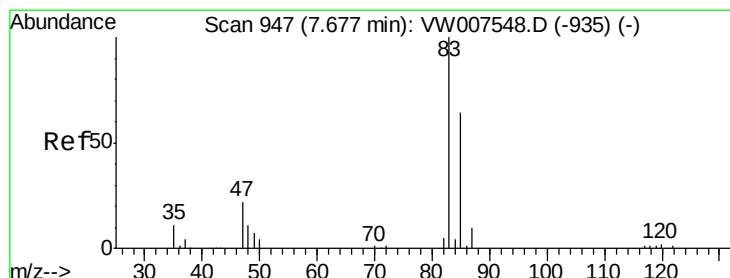
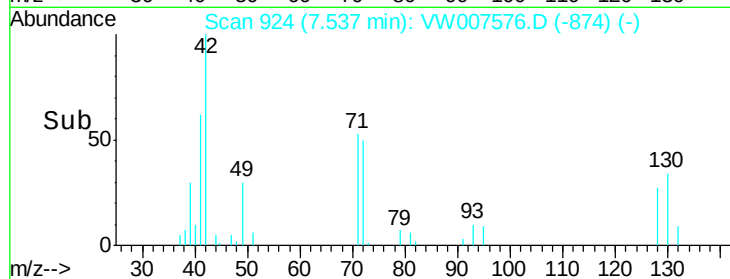
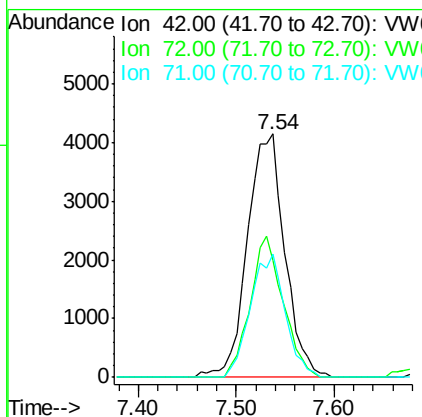
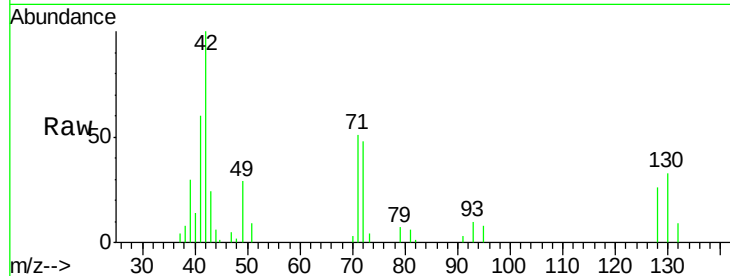
#29
Tetrahydrofuran
Concen: 94.153 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion	Ratio	Lower	Upper
42	100		
72	51.1	38.2	57.4
71	47.1	35.5	53.3

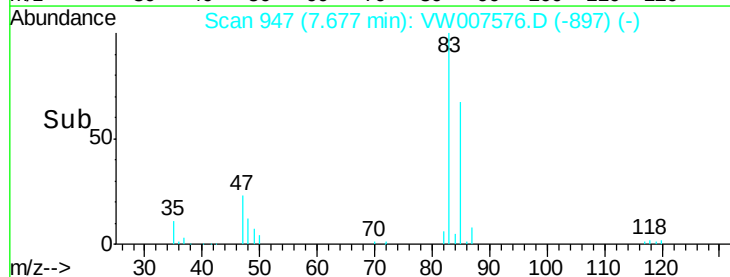
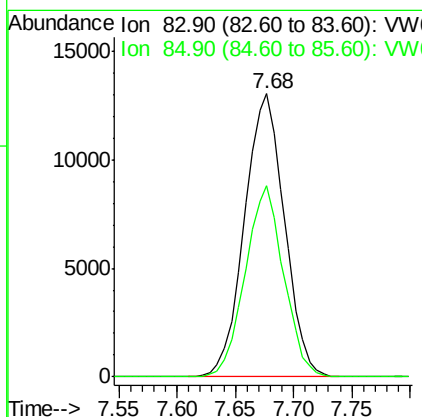
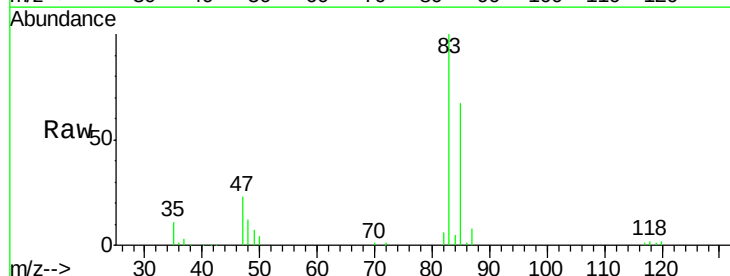
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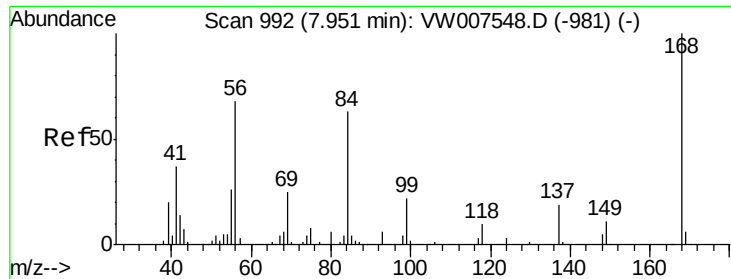
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#30
Chloroform
Concen: 20.815 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.8	77.8





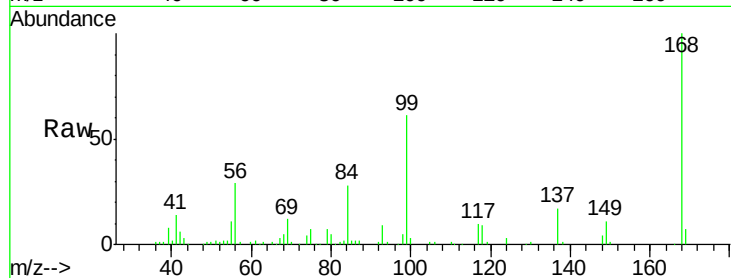
#31
Cyclohexane
Concen: 19.619 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS03

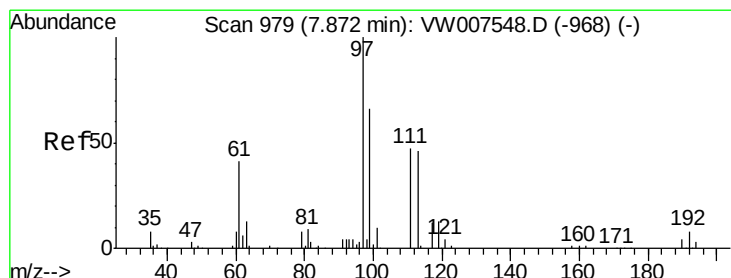
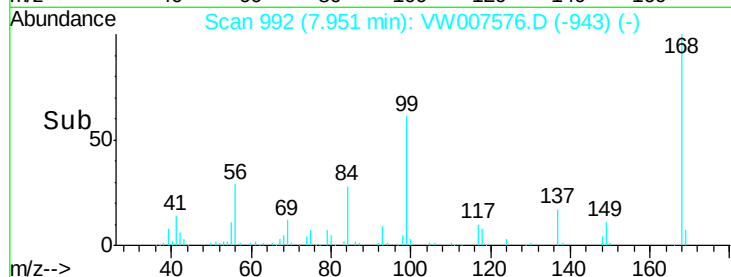
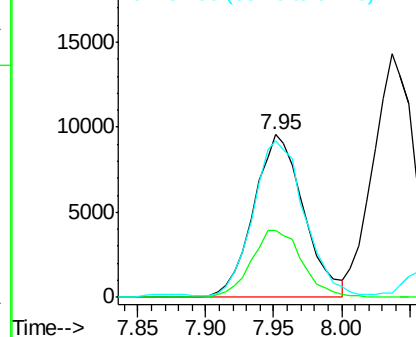
Tgt Ion	Ratio	Resp	Lower	Upper
56	100	24699		
69	40.9	28.9	43.3	
84	95.1	71.8	107.6	

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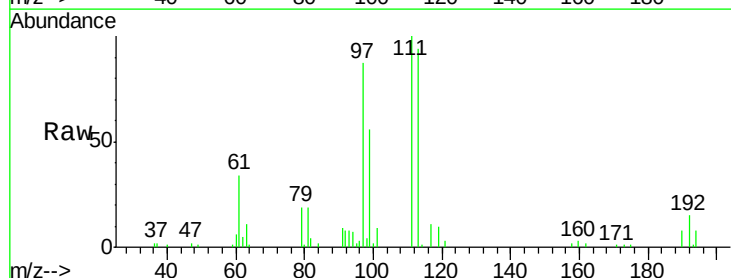


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

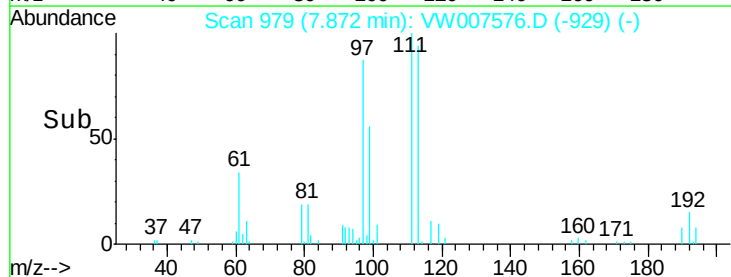
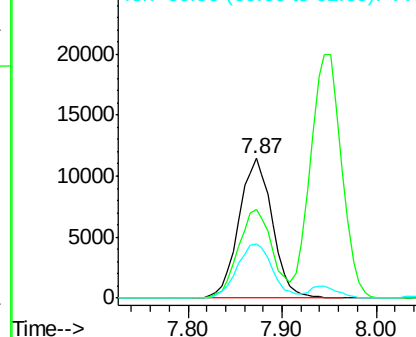


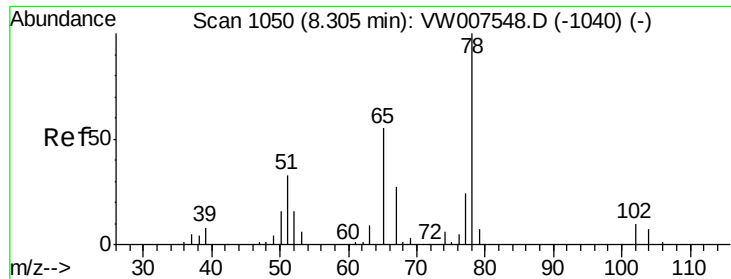
#32
1,1,1-Trichloroethane
Concen: 21.639 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	28336		
99	64.9	51.1	76.7	
61	41.0	33.2	49.8	



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





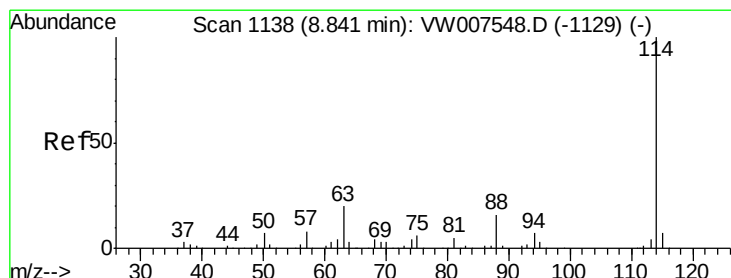
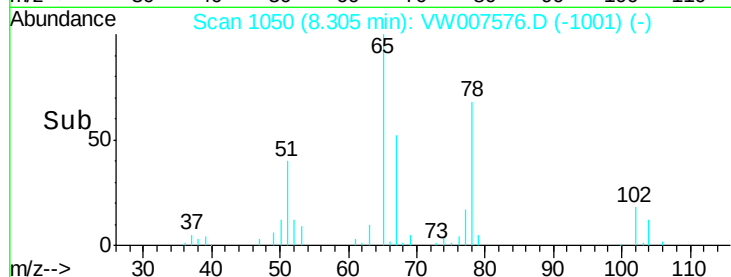
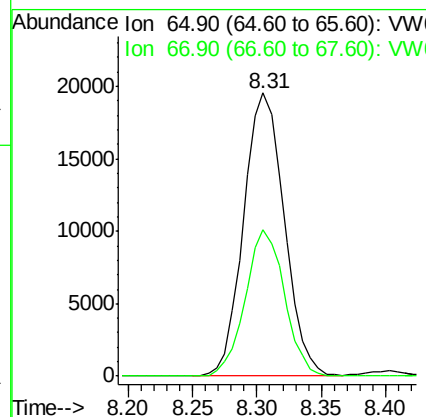
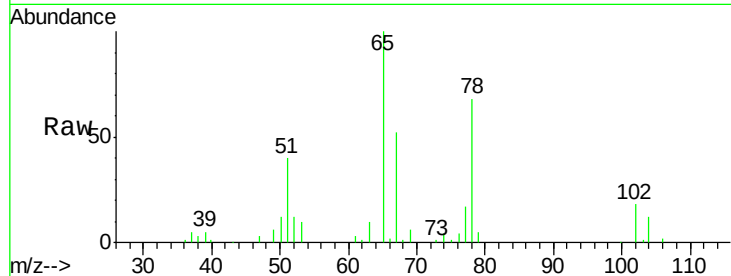
#33
 1,2-Dichloroethane-d4
 Concen: 52.840 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS03

Tgt Ion: 65 Resp: 42822
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.6

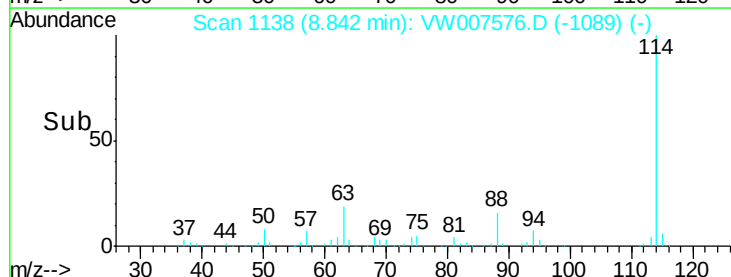
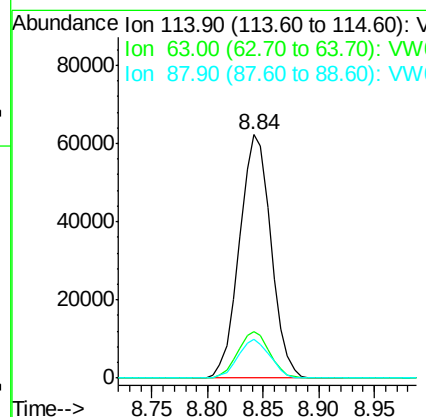
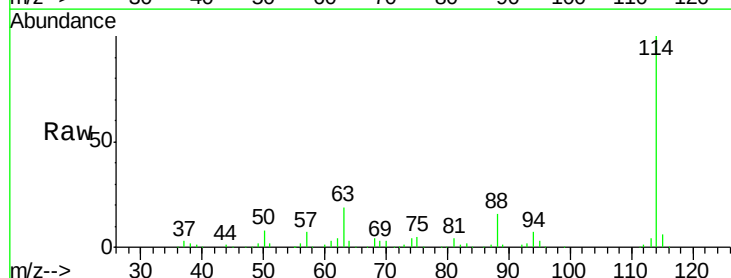
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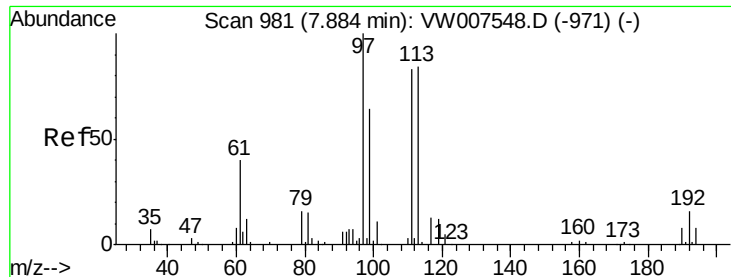
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion: 114 Resp: 122188
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 16.1 0.0 31.4





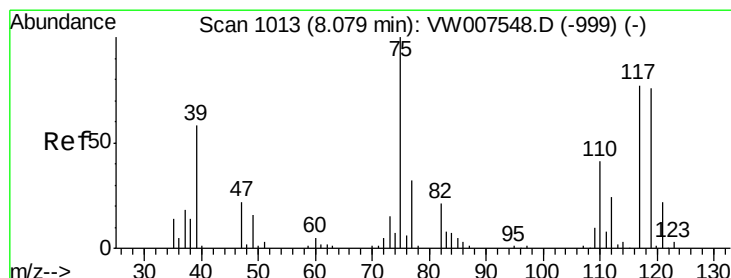
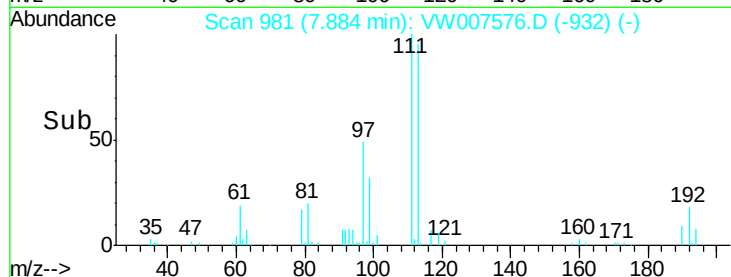
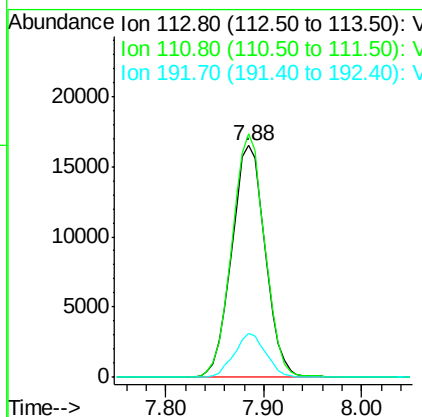
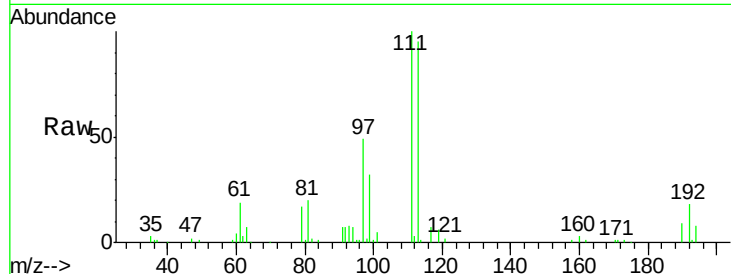
#35
 Dibromofluoromethane
 Concen: 53.021 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	17.8	14.6	21.8

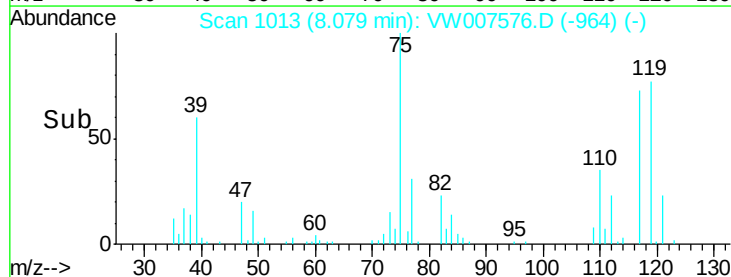
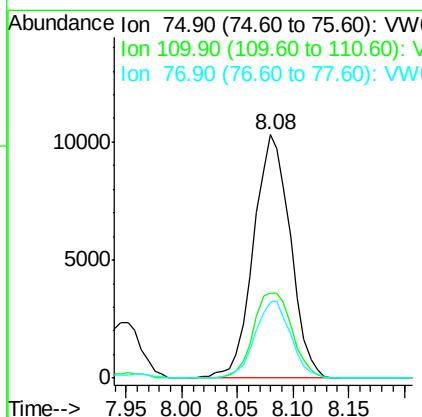
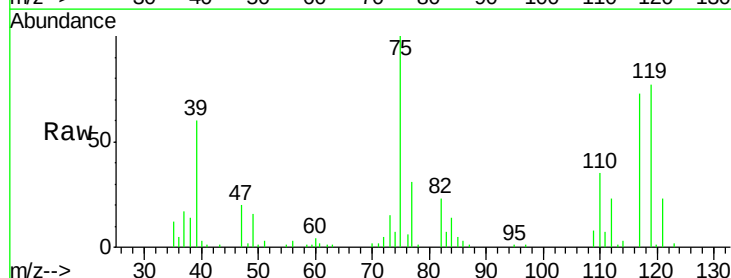
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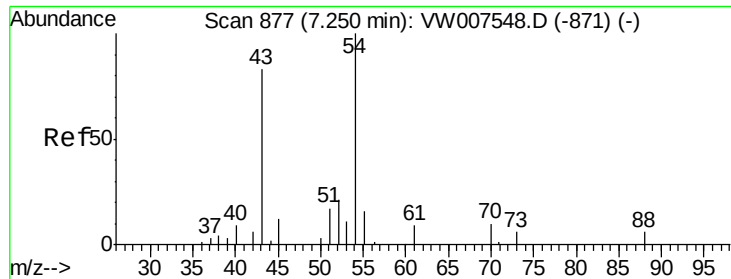
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#36
 1,1-Dichloropropene
 Concen: 21.281 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.5	55.5
77	31.0	25.6	38.4





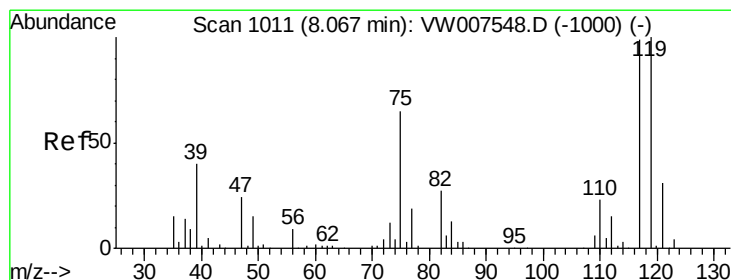
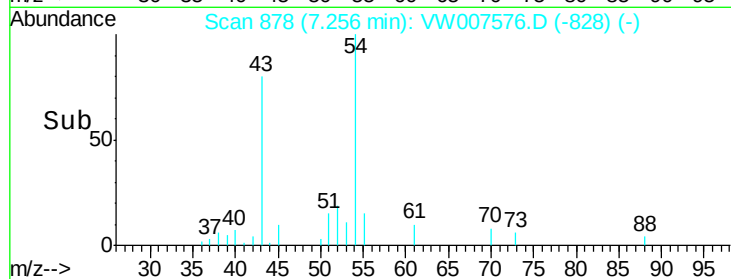
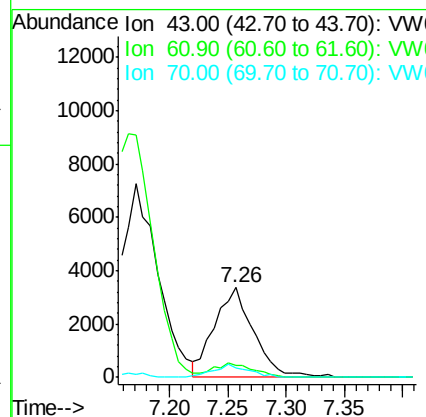
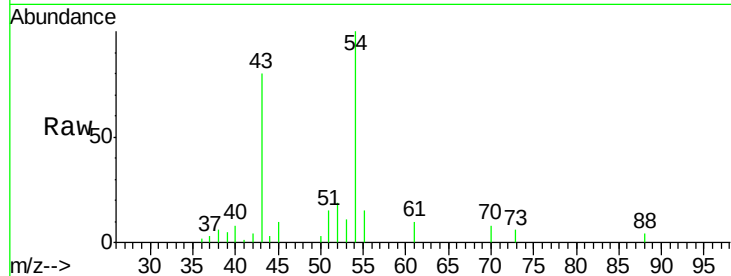
#37
Ethyl Acetate
Concen: 19.065 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS03

Tgt Ion: 43 Resp: 7904
Ion Ratio Lower Upper
43 100
61 14.9 12.1 18.1
70 12.6 10.0 15.0

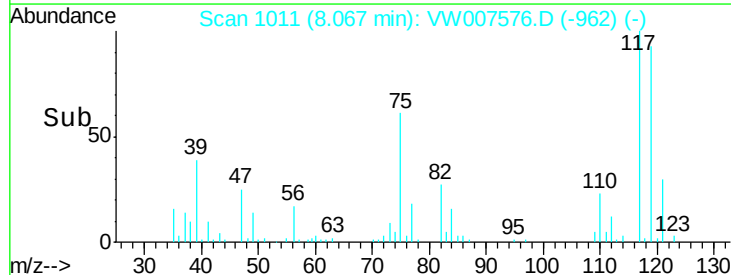
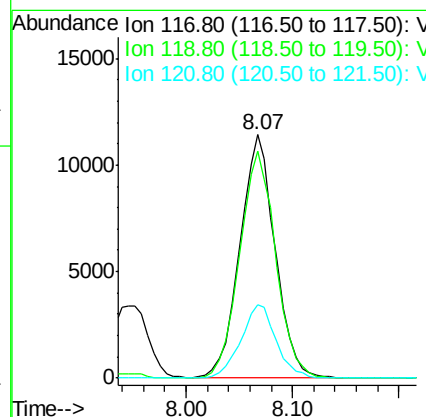
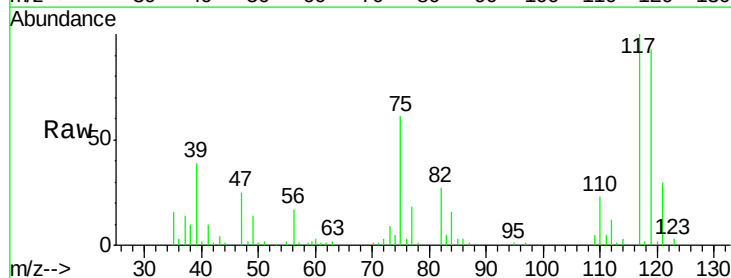
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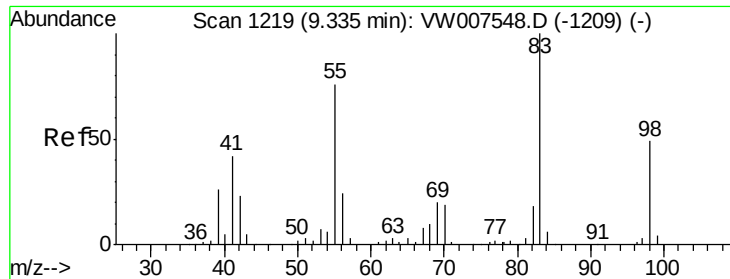
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#38
Carbon Tetrachloride
Concen: 21.857 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion: 117 Resp: 26508
Ion Ratio Lower Upper
117 100
119 93.2 74.3 111.5
121 30.0 24.3 36.5





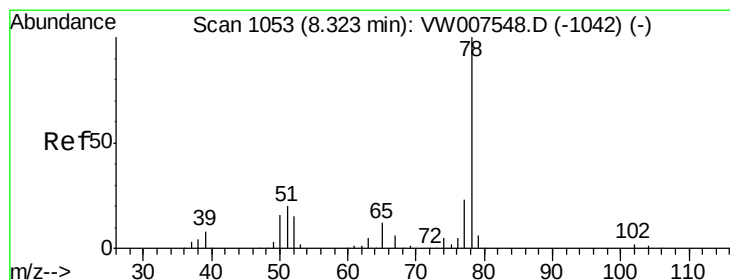
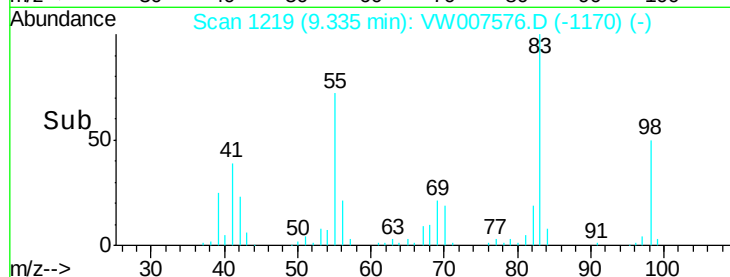
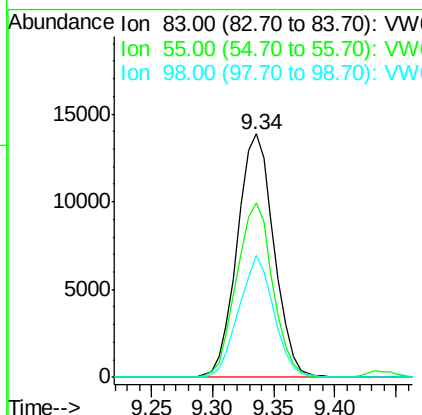
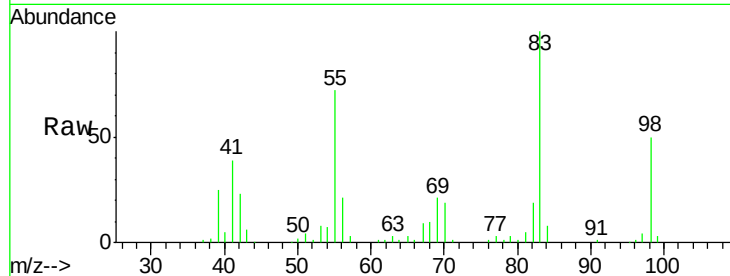
#39
Methylcyclohexane
Concen: 21.393 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS03

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.7	62.8	94.2
98	50.1	42.2	63.2

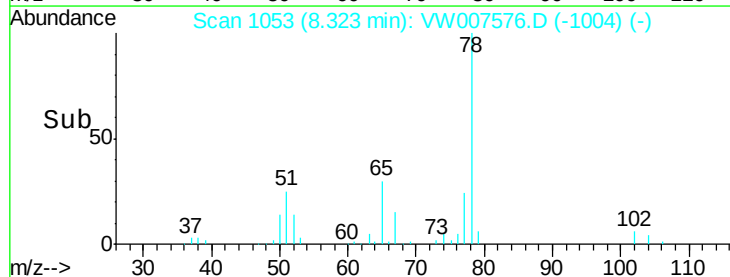
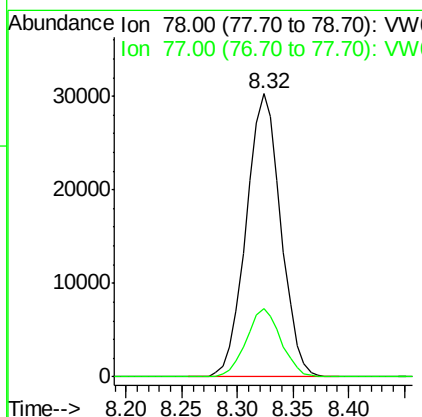
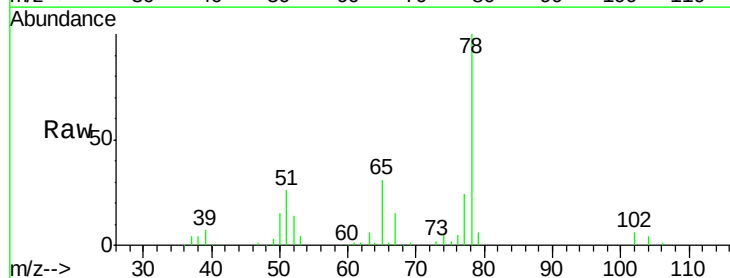
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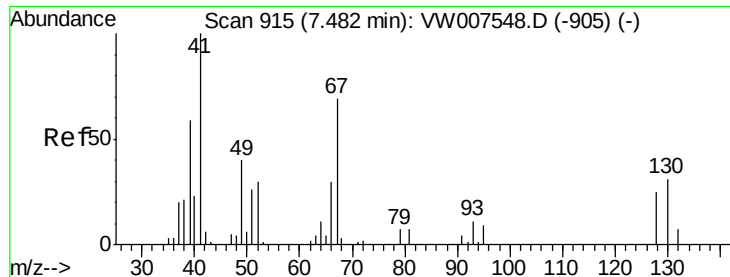
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#40
Benzene
Concen: 21.176 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





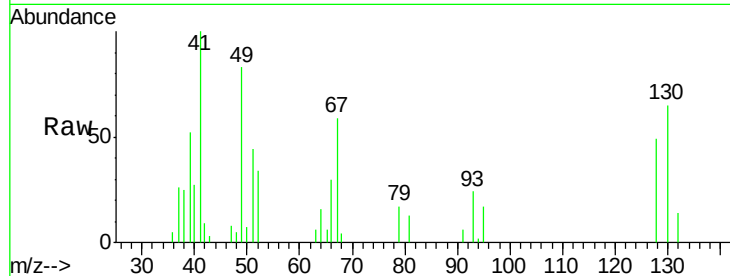
#41
Methacrylonitrile
Concen: 21.827 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS03

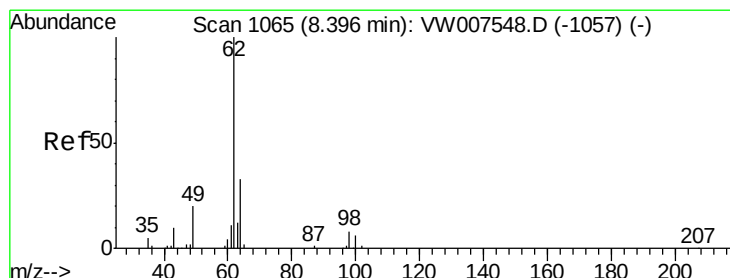
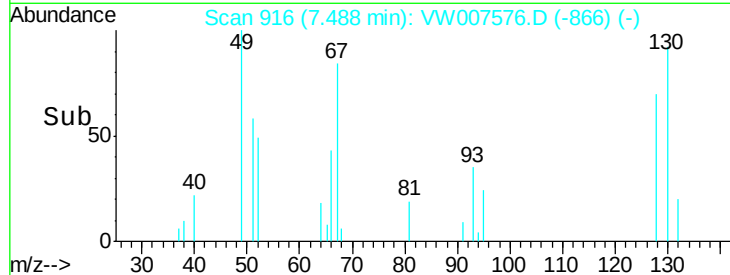
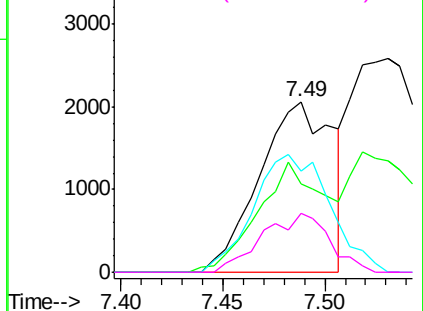
Tgt Ion:	41	Resp:	5153
Ion	Ratio	Lower	Upper
41	100		
39	59.4	52.2	78.2
67	72.0	60.5	90.7
52	31.8	25.3	37.9

Manual Integrations
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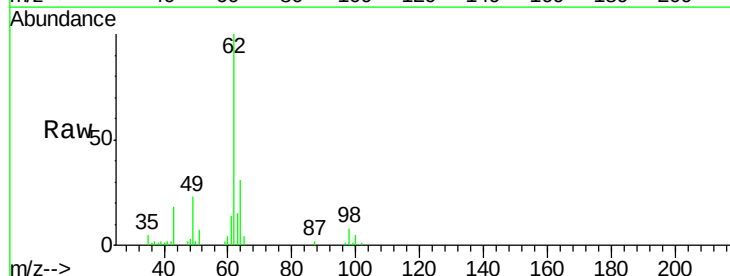


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

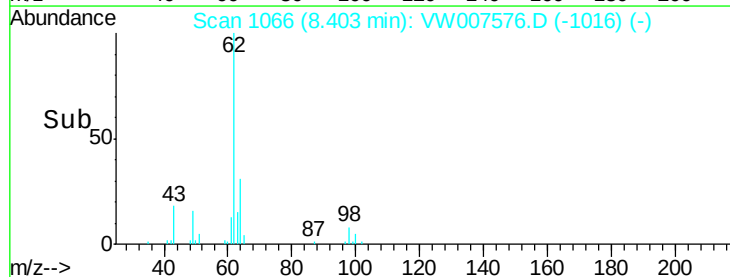
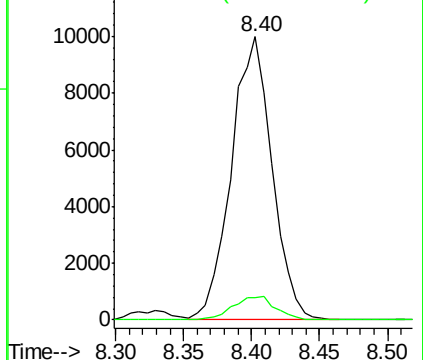


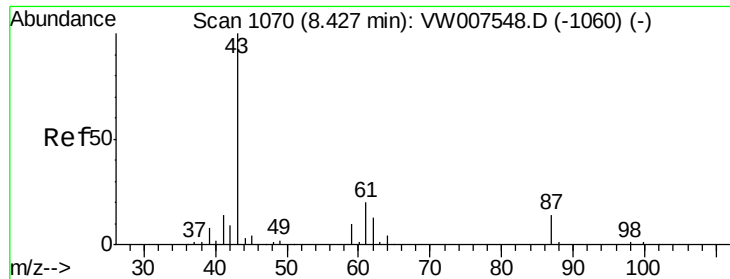
#42
1,2-Dichloroethane
Concen: 21.353 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion:	62	Resp:	20749
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 19.784 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

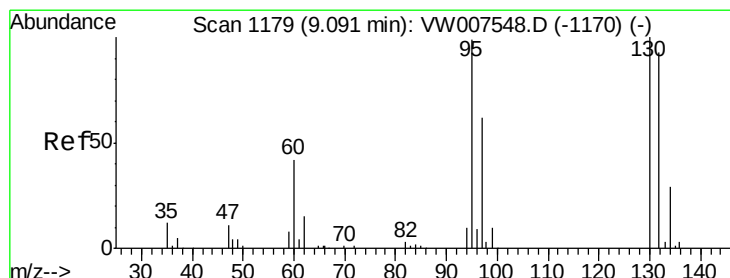
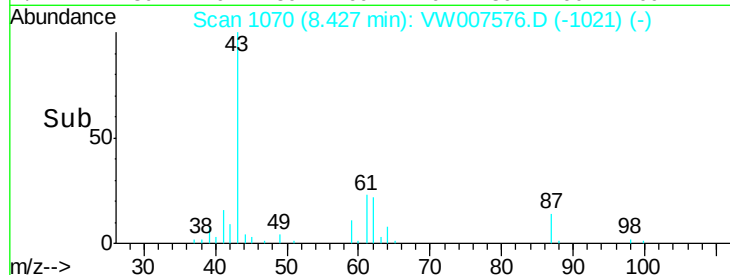
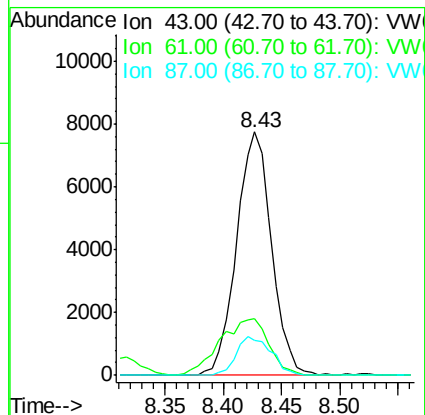
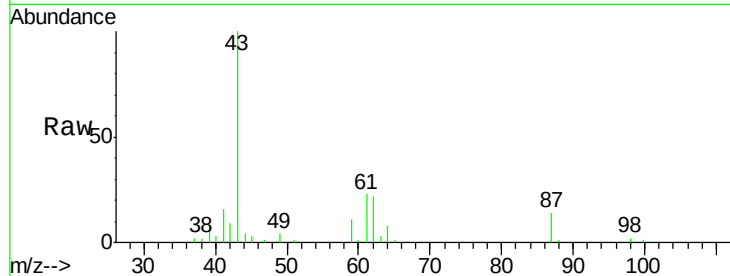
ClientSampleId :

VW1217SBSD03

Tgt Ion:	43	Resp:	16201
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.3	37.9
87	15.8	11.8	17.8

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#44

Trichloroethene

Concen: 20.852 ug/l

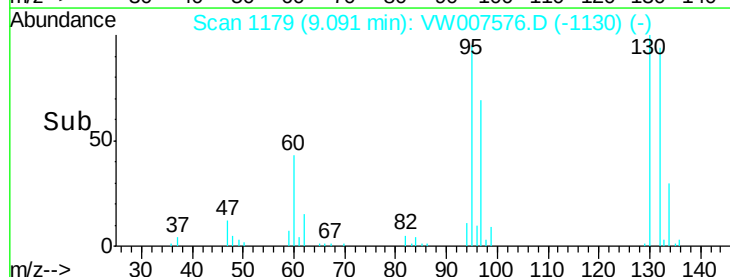
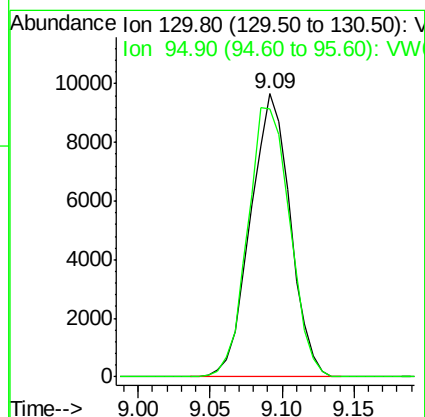
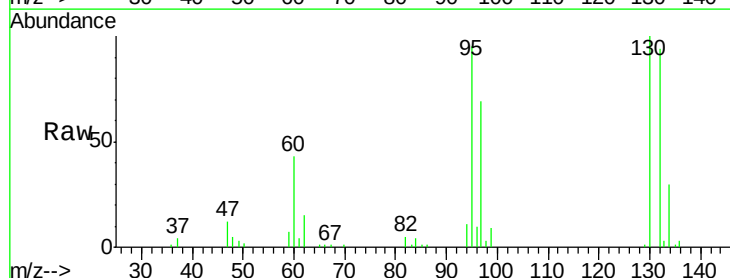
RT: 9.09 min Scan# 1179

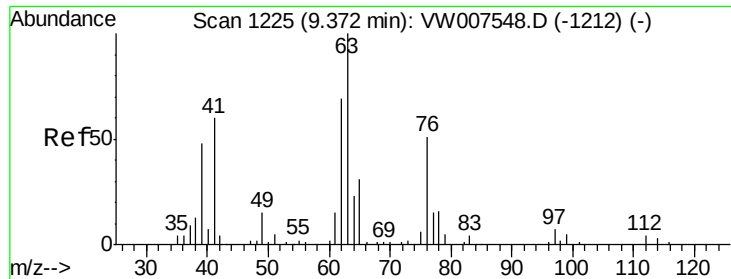
Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Tgt Ion:	130	Resp:	18419
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	193.2





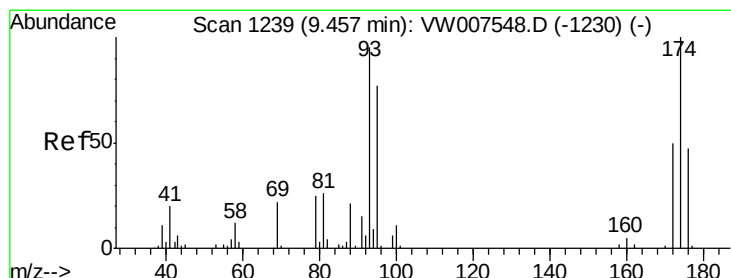
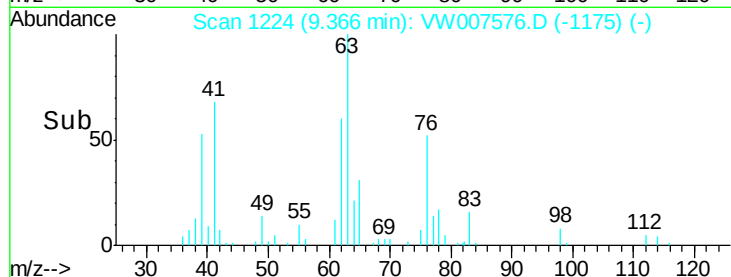
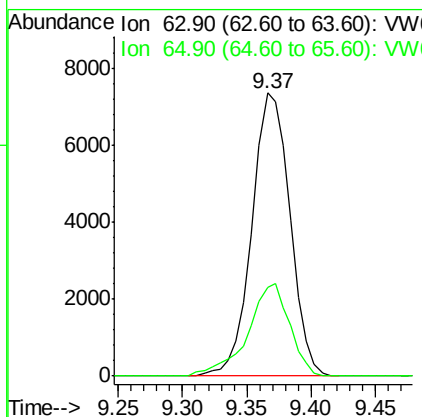
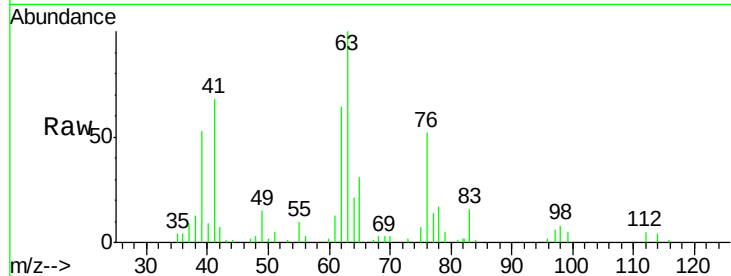
#45
 1,2-Dichloropropane
 Concen: 21.040 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS03

Tgt Ion: 63 Resp: 15061
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.4 36.6

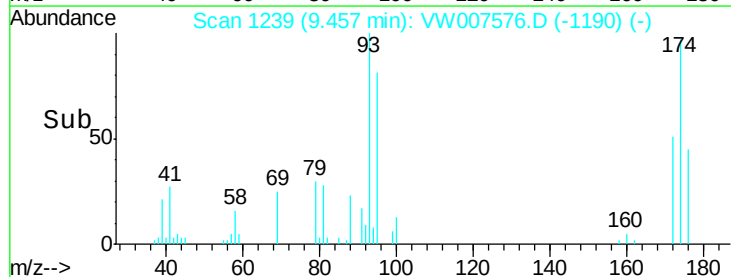
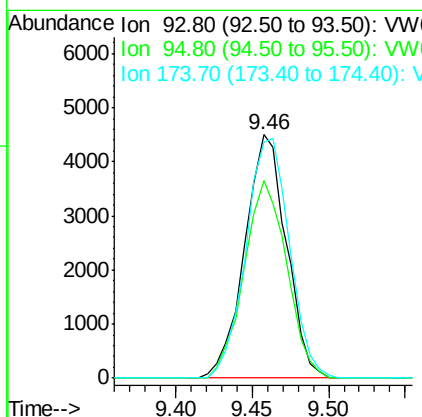
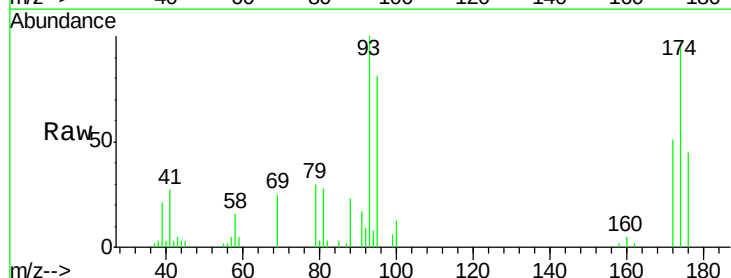
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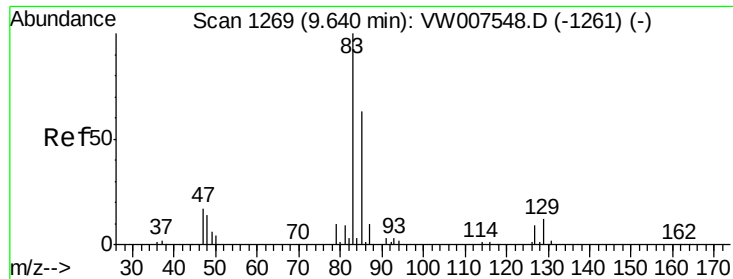
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#46
 Dibromomethane
 Concen: 20.959 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion: 93 Resp: 8520
 Ion Ratio Lower Upper
 93 100
 95 83.3 68.0 102.0
 174 102.9 83.2 124.8





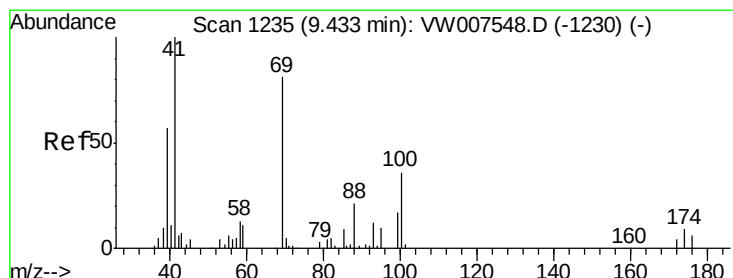
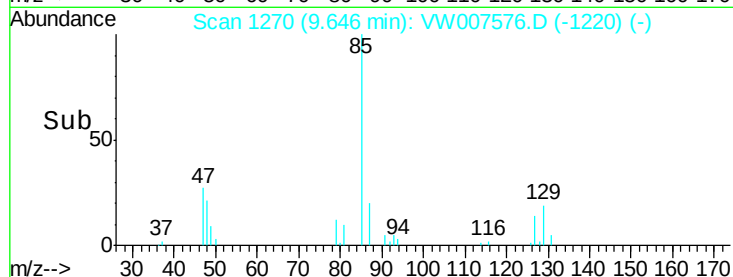
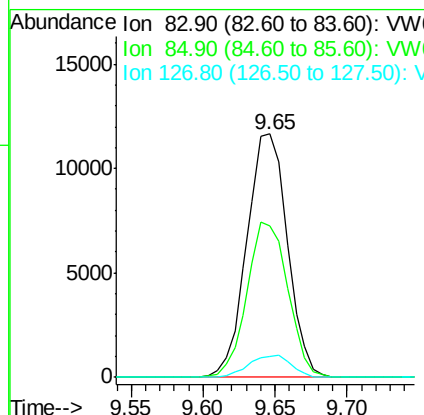
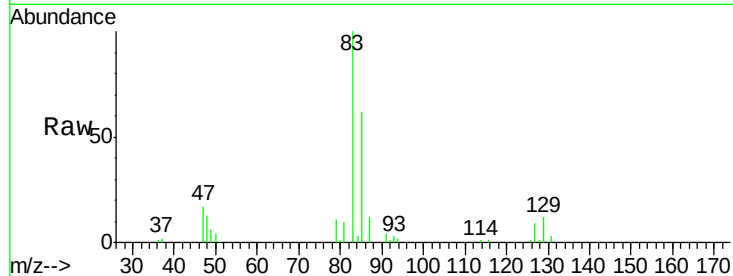
#47
Bromodichloromethane
Concen: 21.289 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	22700		
85	62.5	47.6	71.4	
127	8.8	6.7	10.1	

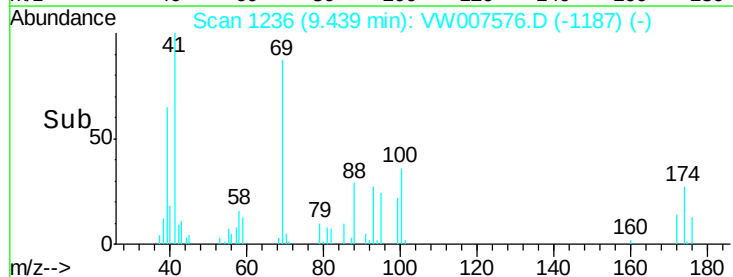
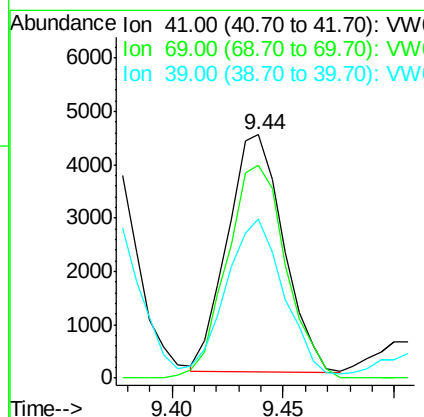
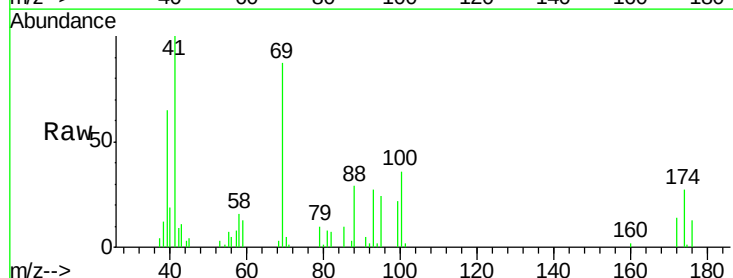
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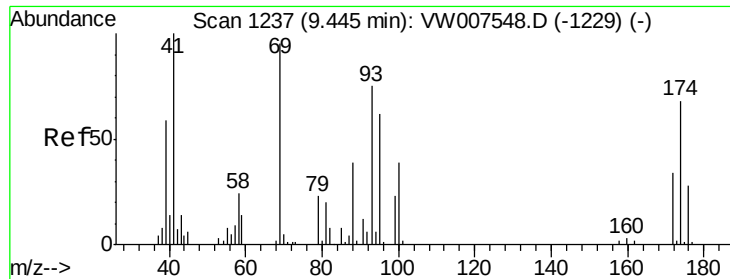
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#48
Methyl methacrylate
Concen: 18.574 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	7812		
69	94.5	69.8	104.8	
39	70.3	50.9	76.3	





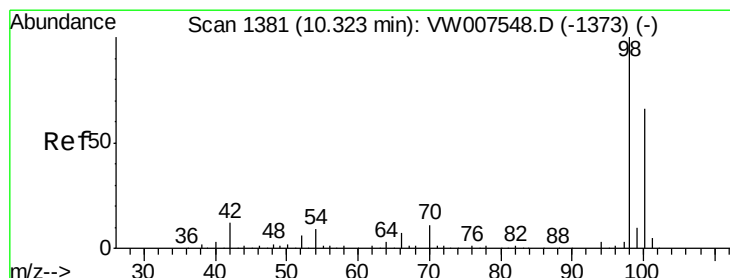
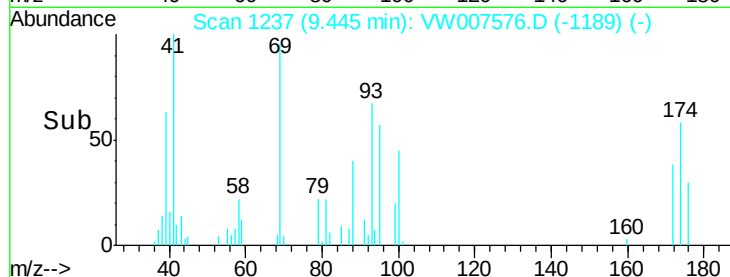
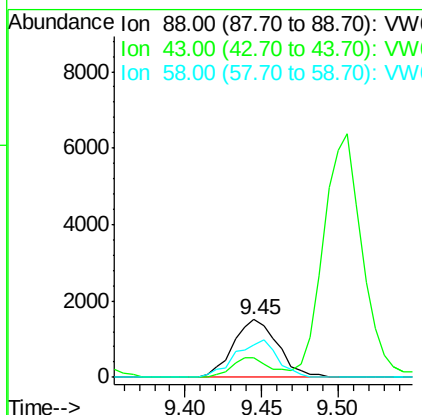
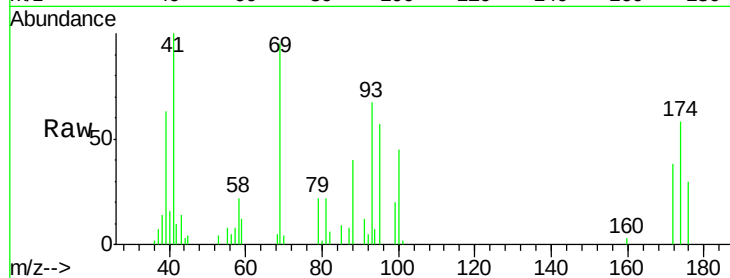
#49
 1,4-Dioxane
 Concen: 465.440 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.0	37.4
58	60.6	51.4	77.2

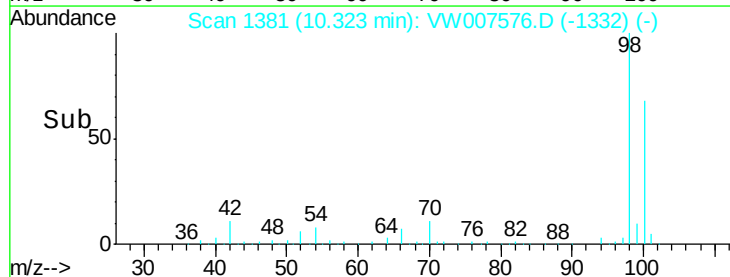
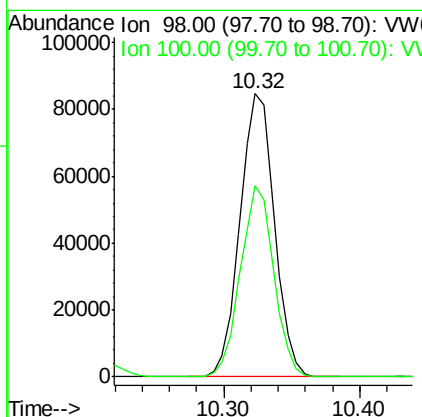
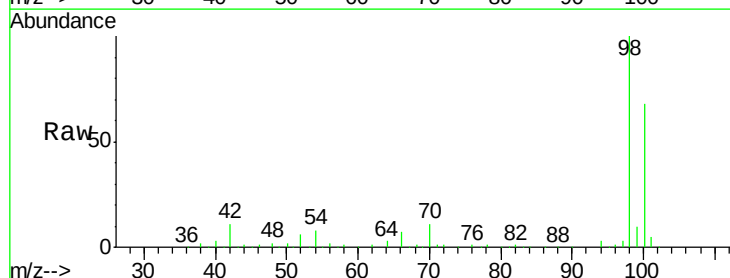
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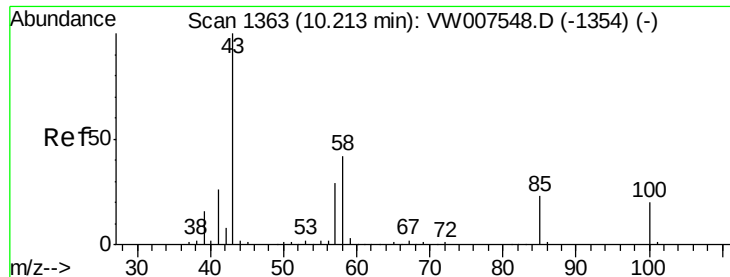
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#50
 Toluene-d8
 Concen: 53.981 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.8	77.8





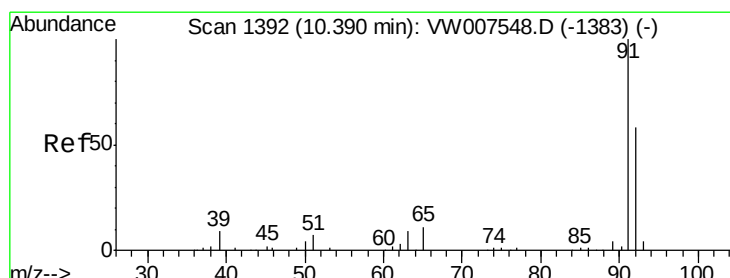
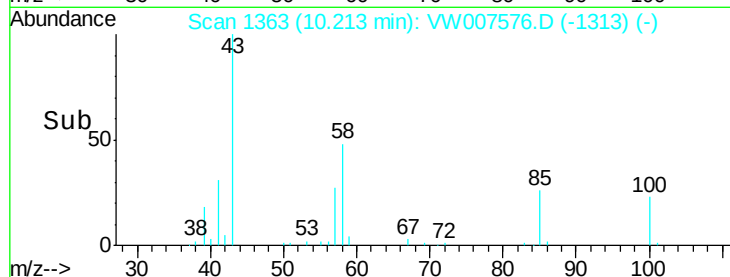
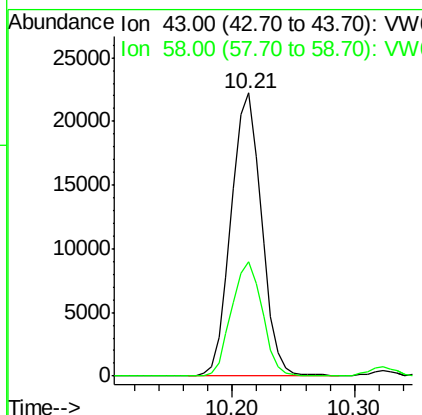
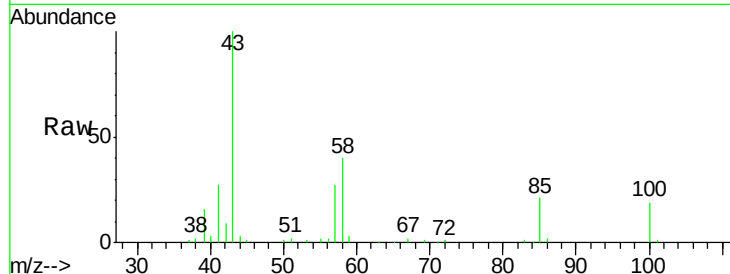
#51
4-Methyl-2-Pentanone
Concen: 99.135 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion: 43 Resp: 38359
Ion Ratio Lower Upper
43 100
58 40.7 33.1 49.7

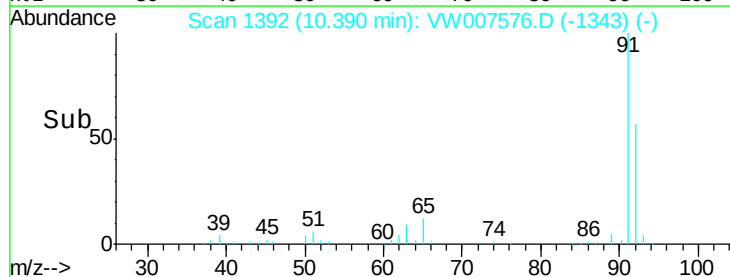
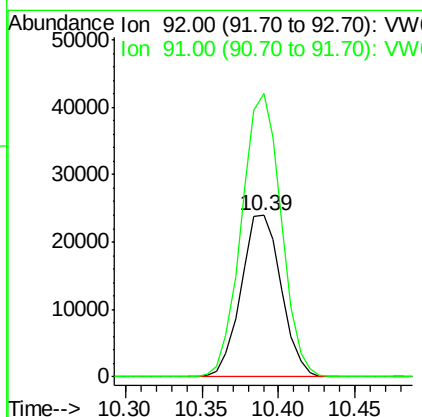
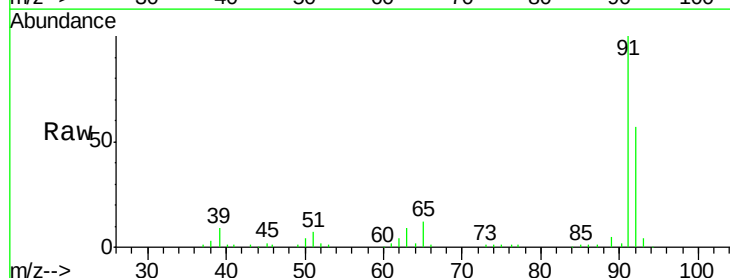
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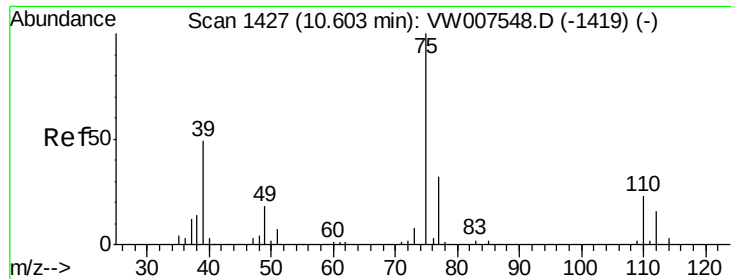
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#52
Toluene
Concen: 21.859 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion: 92 Resp: 43758
Ion Ratio Lower Upper
92 100
91 172.6 136.2 204.2





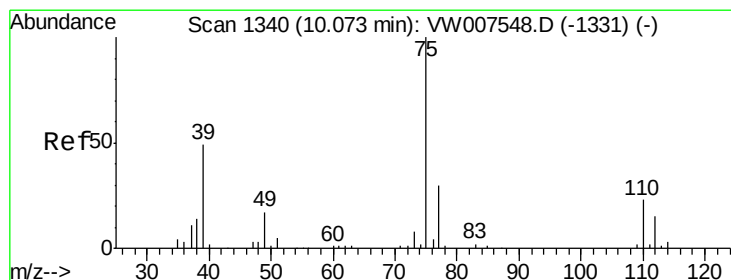
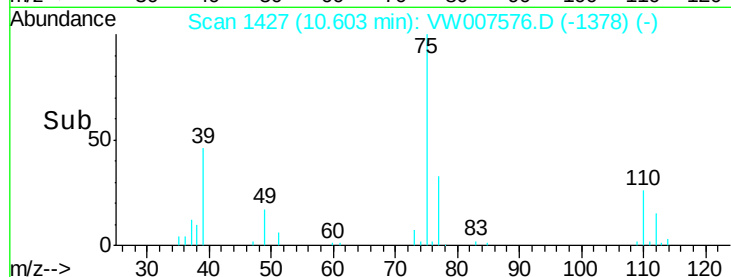
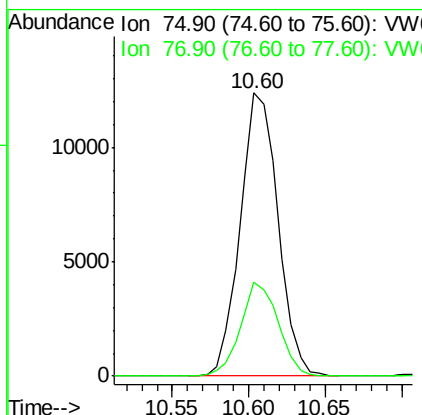
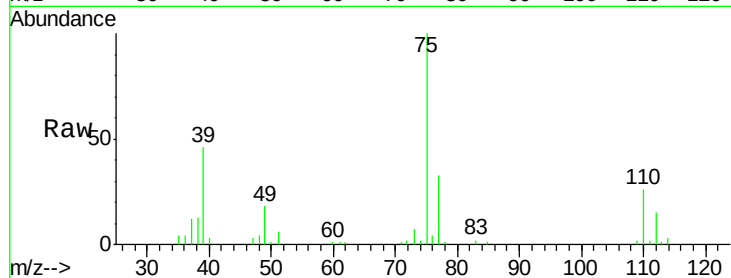
#53
 t-1,3-Dichloropropene
 Concen: 20.539 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD03

Tgt Ion: 75 Resp: 21262
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.2 39.4

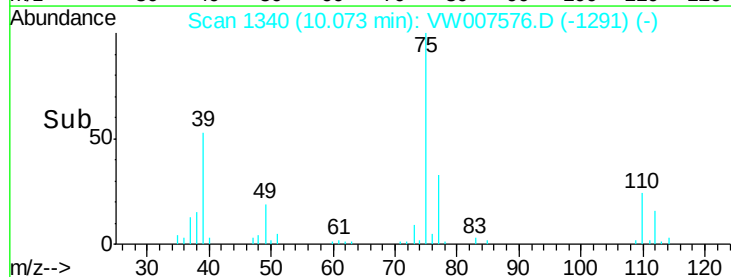
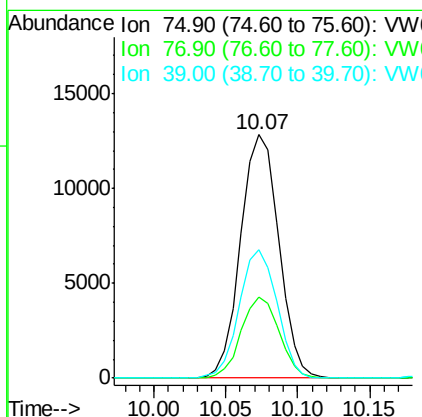
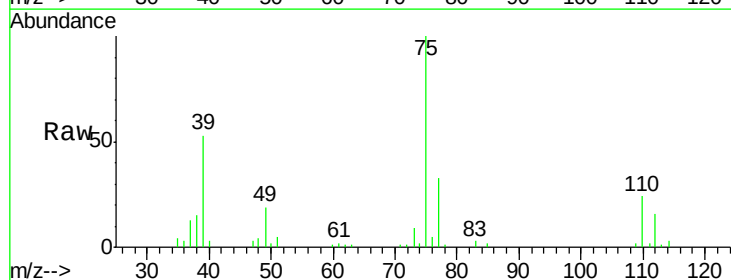
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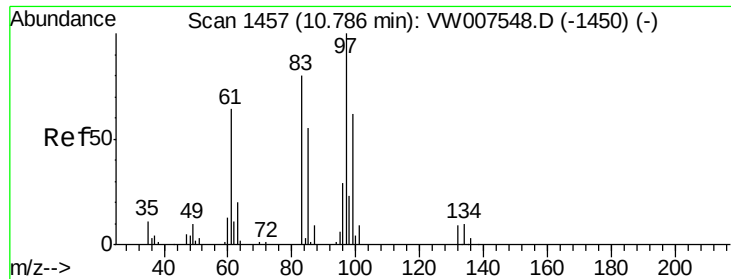
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#54
 cis-1,3-Dichloropropene
 Concen: 19.753 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion: 75 Resp: 23638
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.8 37.2
 39 52.7 40.9 61.3





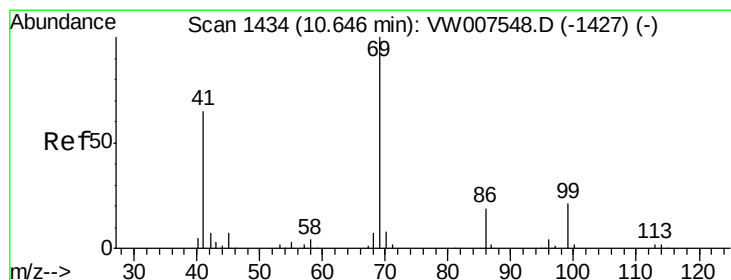
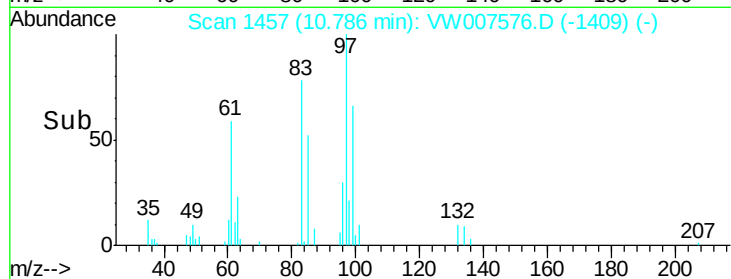
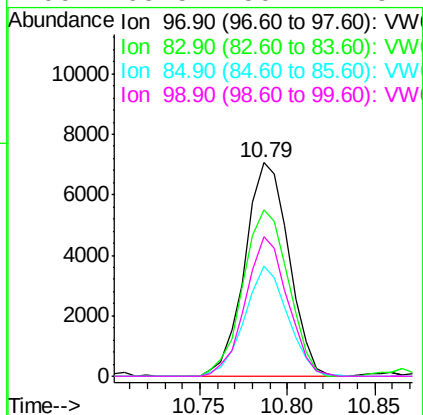
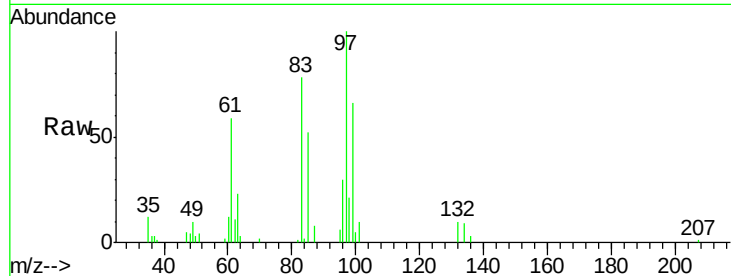
#55
 1,1,2-Trichloroethane
 Concen: 22.301 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS03

Tgt Ion:	97	Resp:	12338
Ion	Ratio	Lower	Upper
97	100		
83	77.7	62.1	93.1
85	51.6	44.2	66.4
99	65.5	50.2	75.4

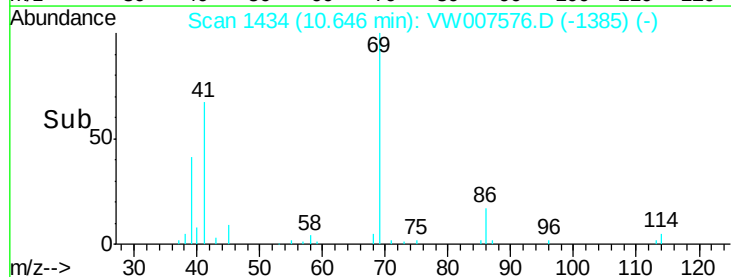
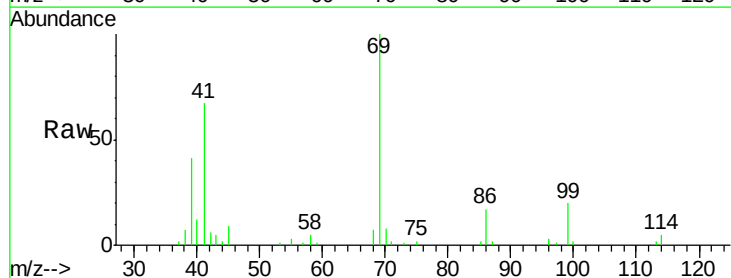
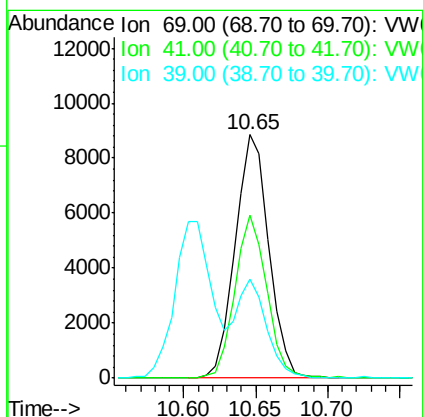
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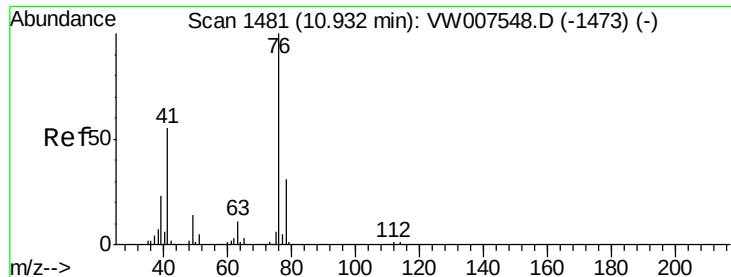
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#56
 Ethyl methacrylate
 Concen: 21.603 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion:	69	Resp:	14366
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.0	76.6
39	37.6	30.8	46.2





#57

1,3-Dichloropropane

Concen: 22.217 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD03

Tgt Ion: 76 Resp: 20175

Ion Ratio Lower Upper

76 100

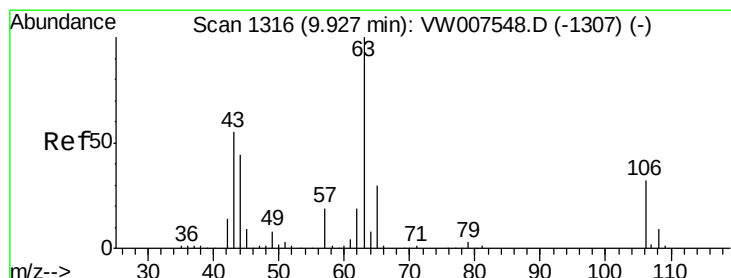
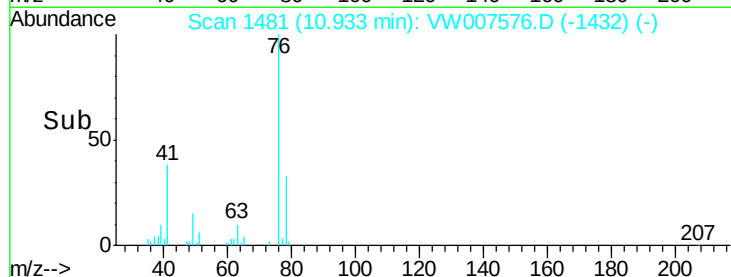
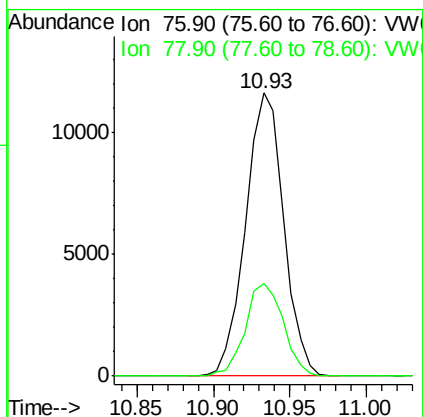
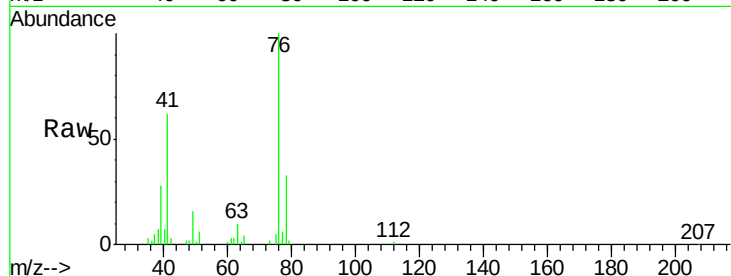
78 32.6 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 94.257 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007576.D

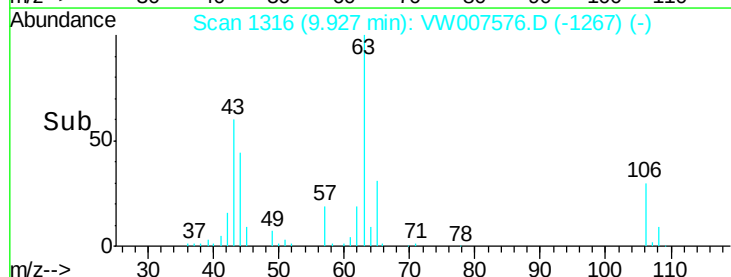
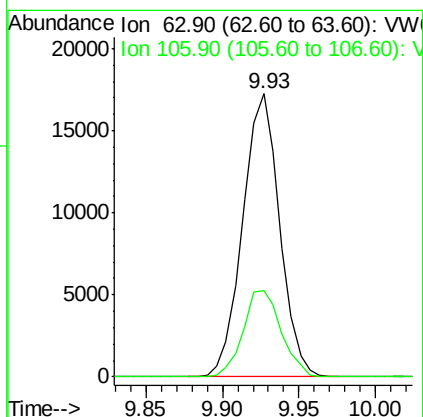
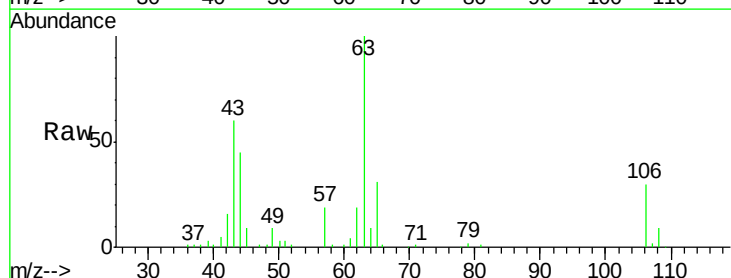
Acq: 15 Dec 2018 12:42

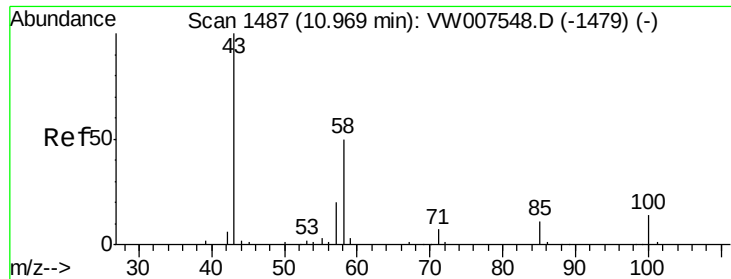
Tgt Ion: 63 Resp: 28905

Ion Ratio Lower Upper

63 100

106 31.6 25.0 37.6





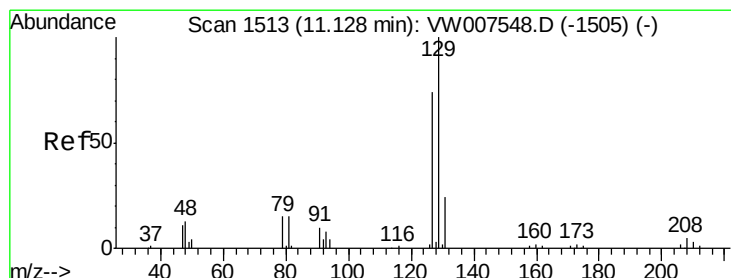
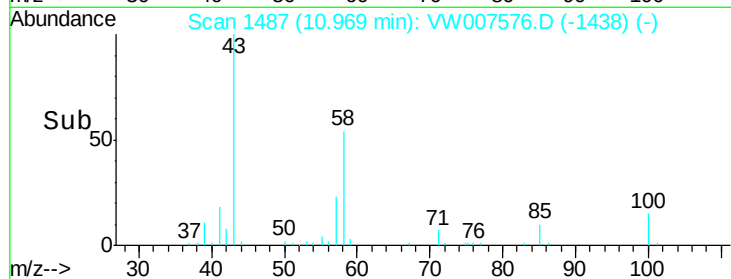
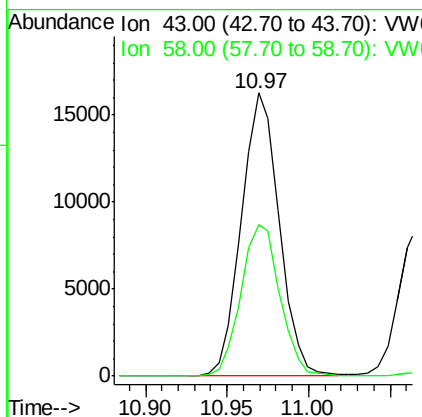
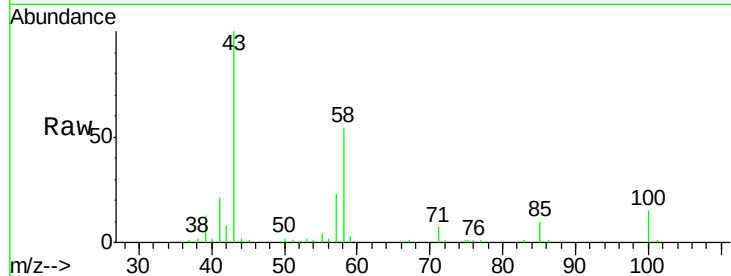
#59
2-Hexanone
Concen: 102.066 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS03

Tgt Ion: 43 Resp: 26334
Ion Ratio Lower Upper
43 100
58 55.2 27.1 81.3

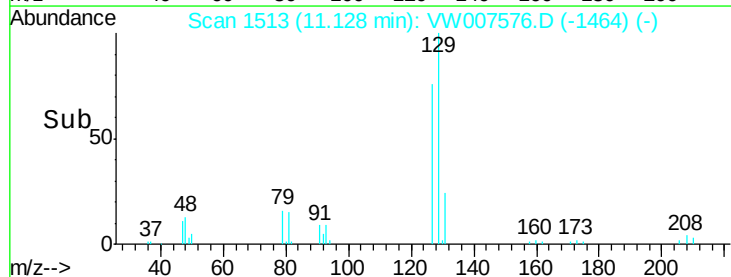
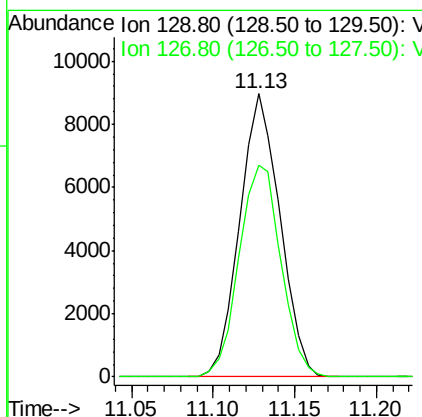
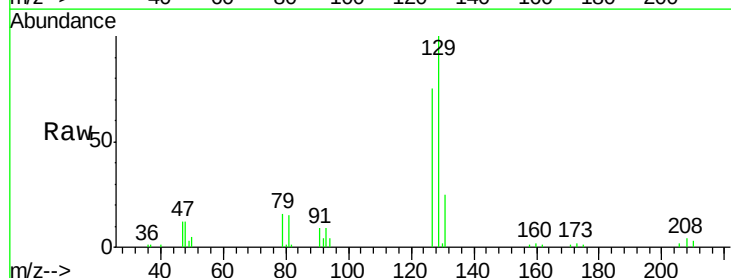
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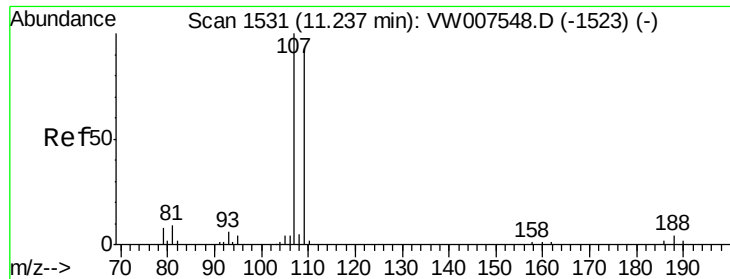
apatel
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#60
Dibromochloromethane
Concen: 22.016 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion: 129 Resp: 15372
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.3





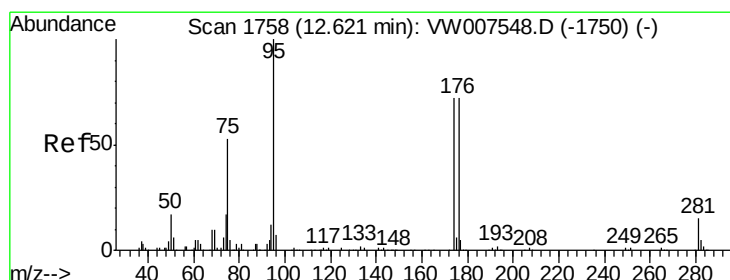
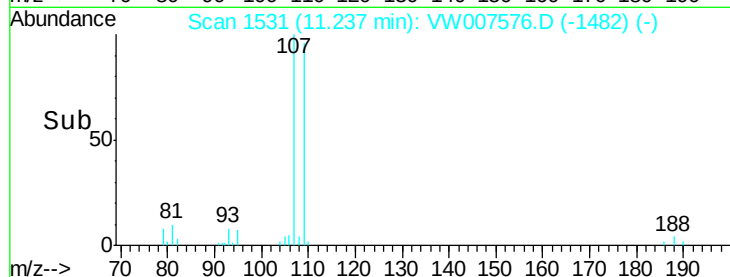
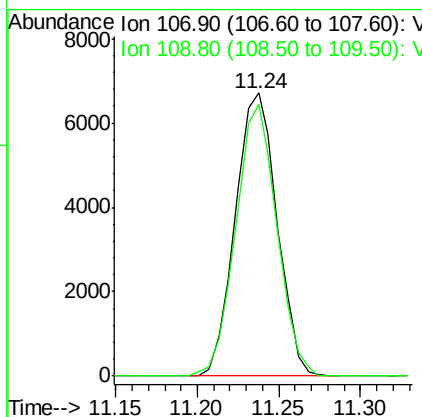
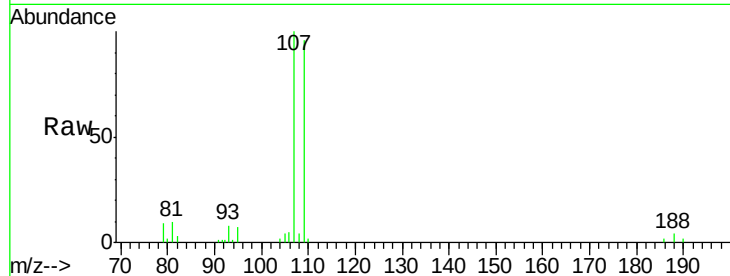
#61
 1,2-Dibromoethane
 Concen: 21.787 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD03

Tgt Ion: 107 Resp: 11912
 Ion Ratio Lower Upper
 107 100
 109 94.8 79.1 118.7

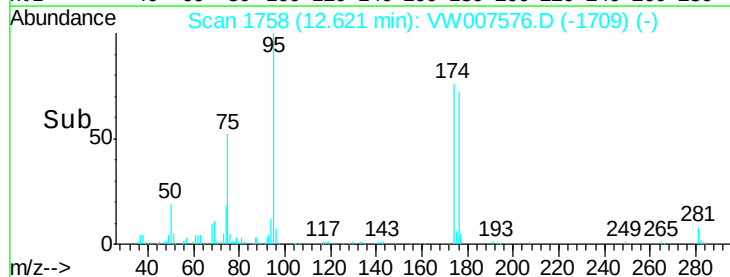
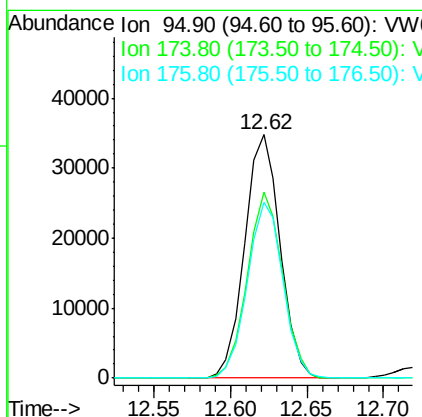
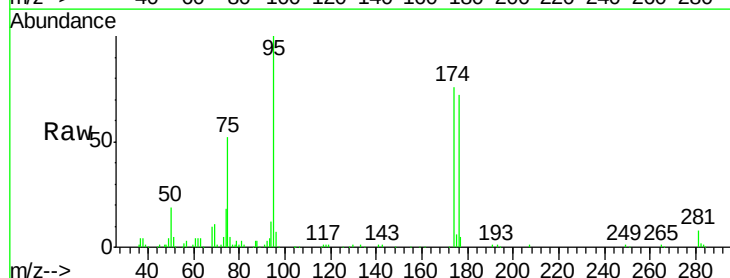
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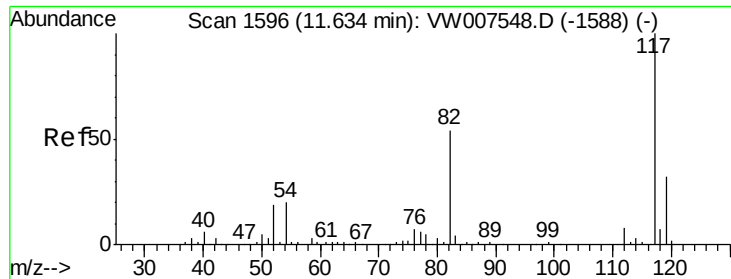
apatel
 12/17/2018 1:46:01 PM



#62
 4-Bromofluorobenzene
 Concen: 54.865 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion: 95 Resp: 55944
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 147.2
 176 72.8 0.0 138.8





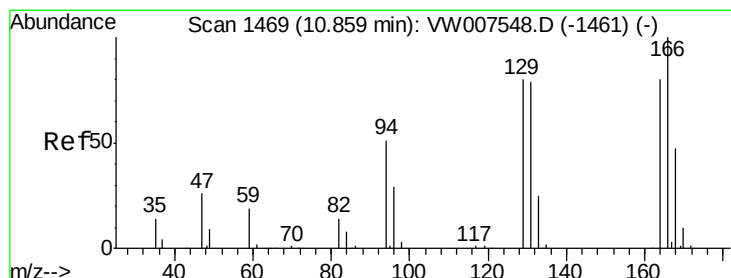
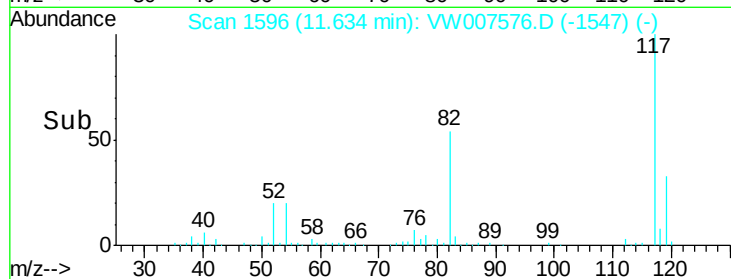
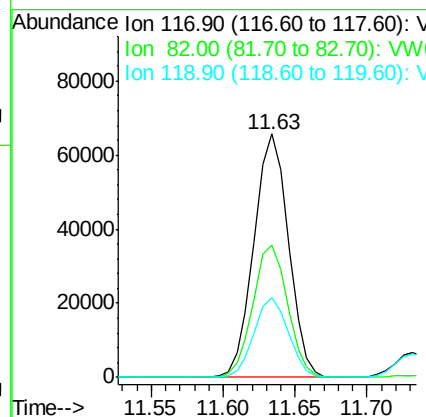
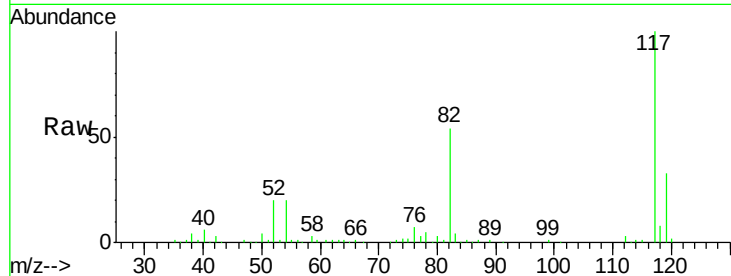
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.3	63.5
119	32.9	23.0	34.6

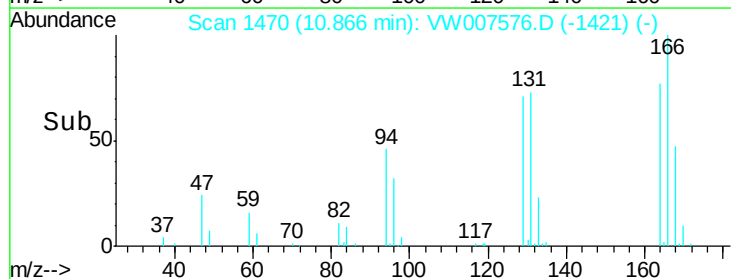
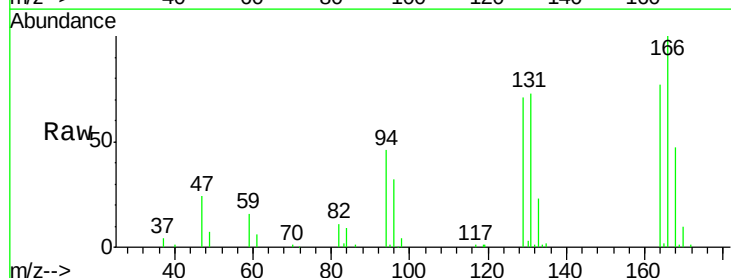
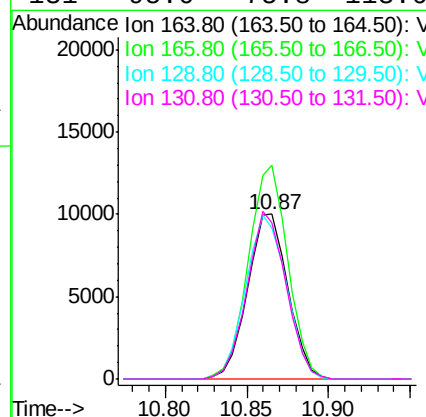
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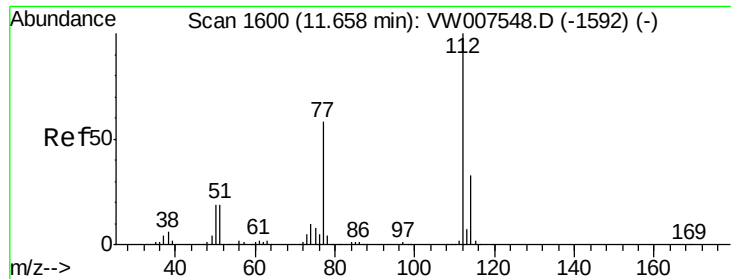
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#64
Tetrachloroethene
Concen: 22.073 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	107.9	161.9
129	91.6	73.4	110.2
131	95.0	75.8	113.6





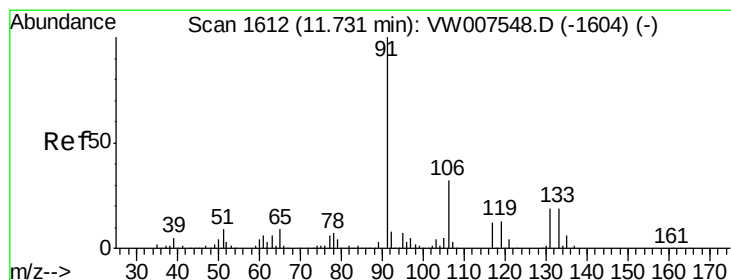
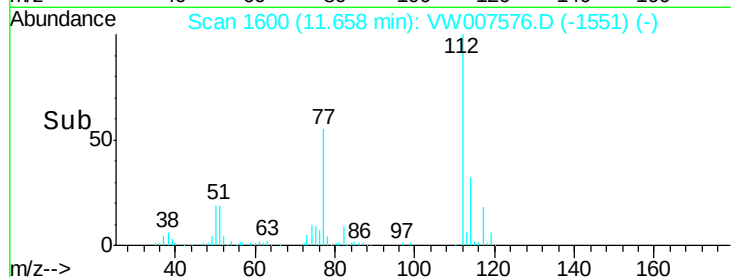
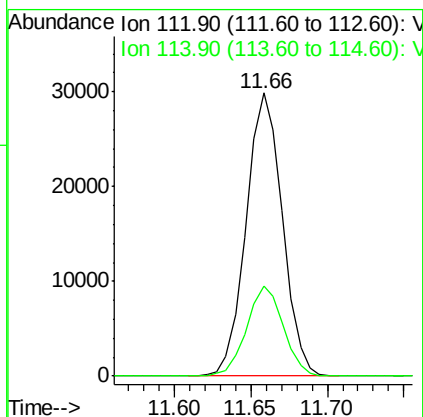
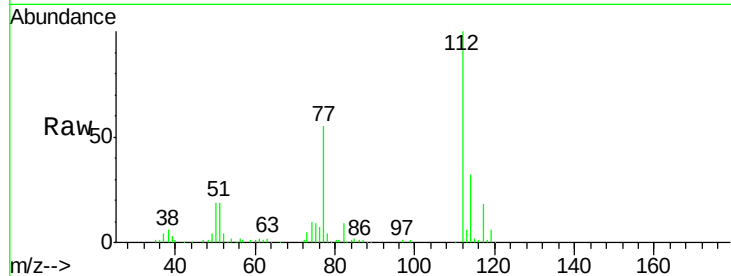
#65
Chlorobenzene
Concen: 21.640 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion:112 Resp: 49196
Ion Ratio Lower Upper
112 100
114 31.7 27.8 41.8

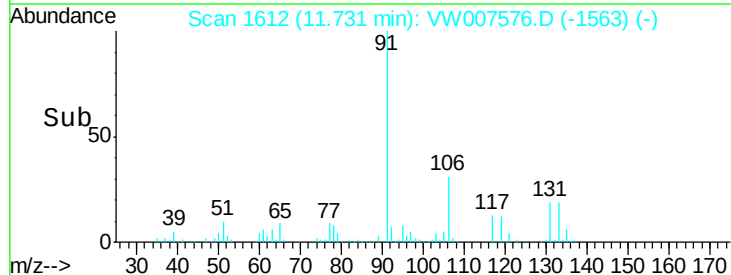
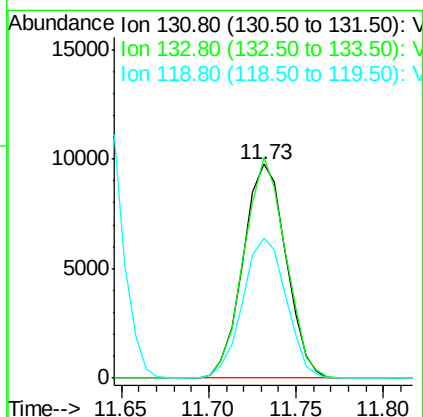
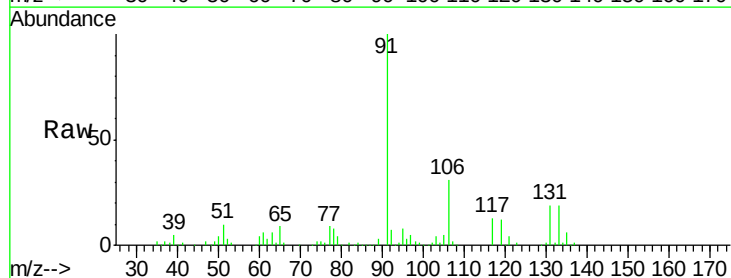
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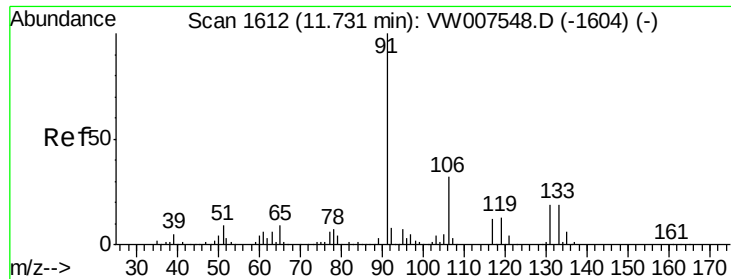
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.883 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion:131 Resp: 16721
Ion Ratio Lower Upper
131 100
133 100.1 47.1 141.4
119 66.0 31.3 93.9





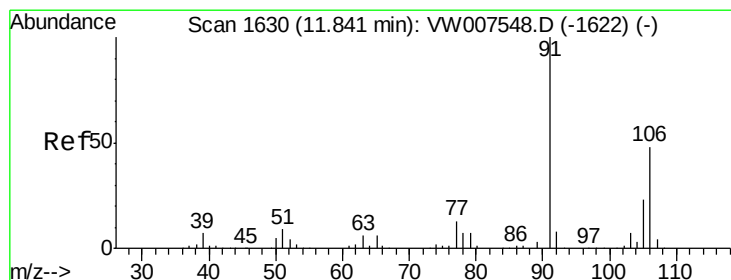
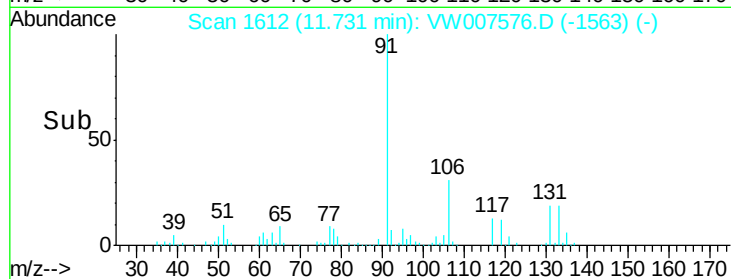
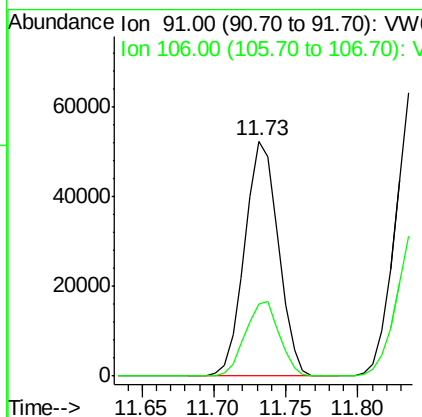
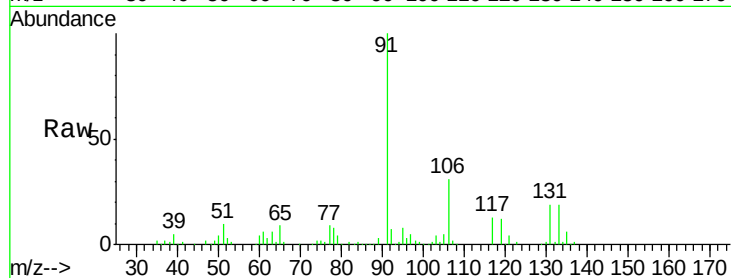
#67
Ethyl Benzene
Concen: 21.678 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion: 91 Resp: 84730
Ion Ratio Lower Upper
91 100
106 30.9 21.8 32.8

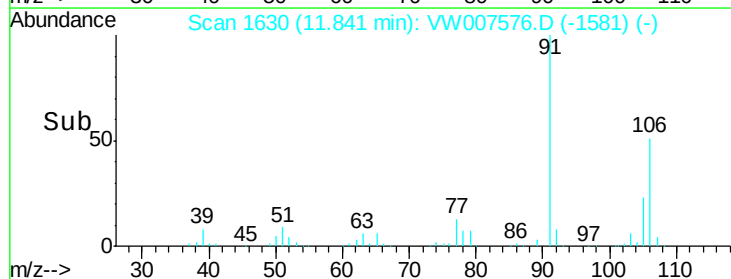
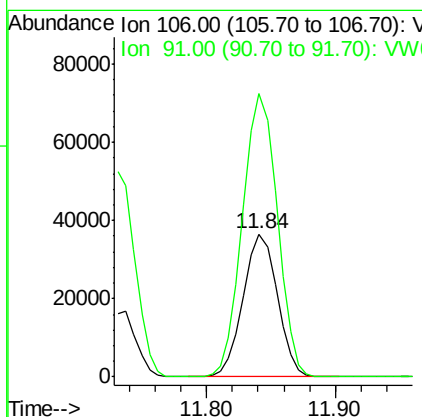
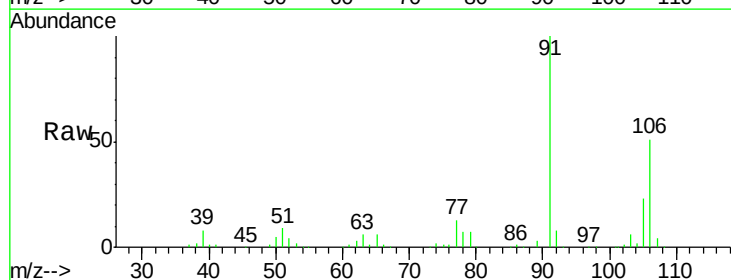
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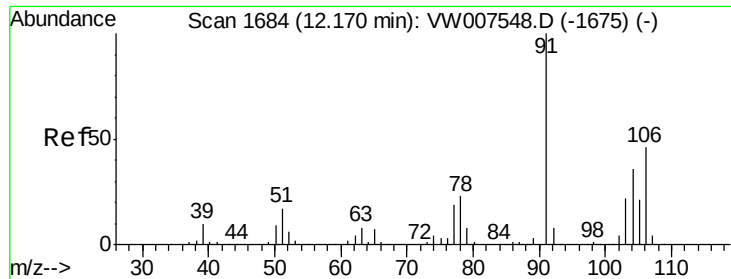
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#68
m/p-Xylenes
Concen: 44.260 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion: 106 Resp: 67253
Ion Ratio Lower Upper
106 100
91 201.9 165.3 247.9





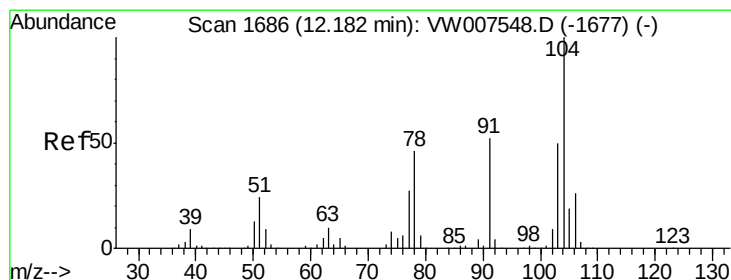
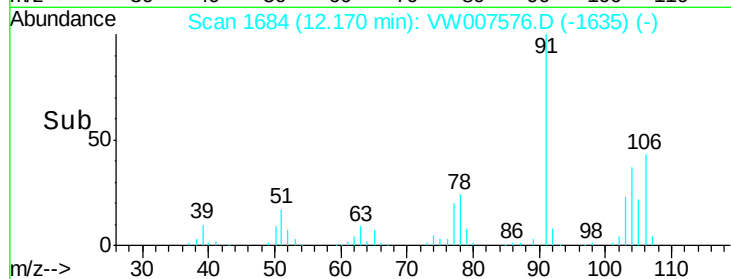
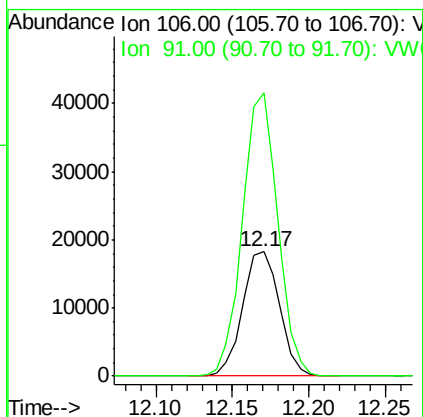
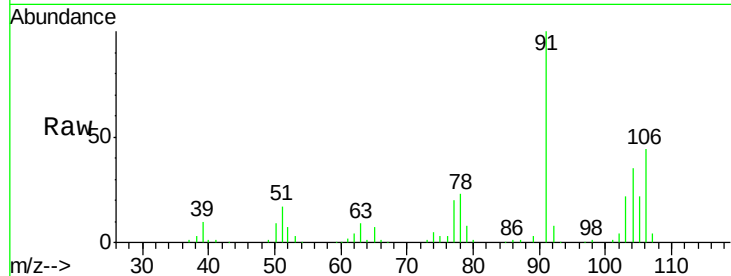
#69
o-Xylene
Concen: 21.633 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion:106 Resp: 30699
Ion Ratio Lower Upper
106 100
91 217.4 106.6 319.8

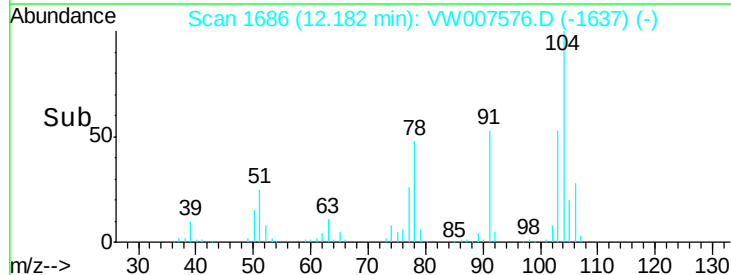
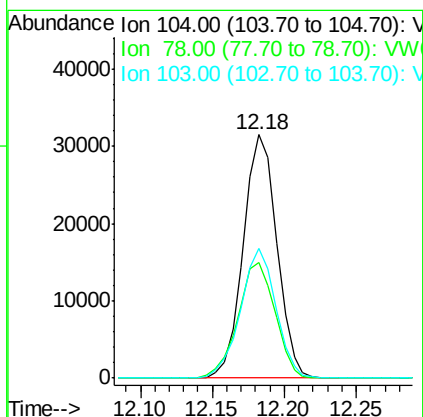
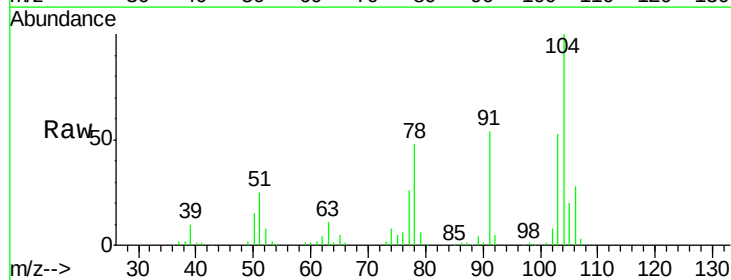
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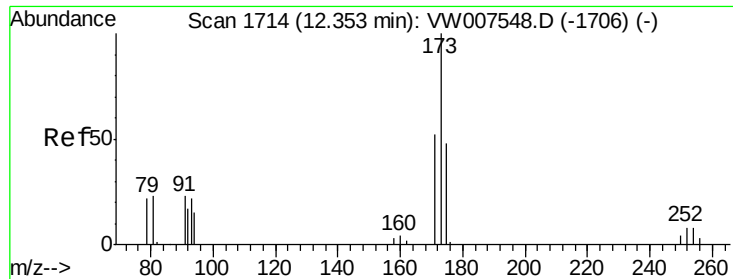
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#70
Styrene
Concen: 22.175 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion:104 Resp: 50828
Ion Ratio Lower Upper
104 100
78 52.6 41.8 62.8
103 56.0 46.6 69.8





#71

Bromoform

Concen: 20.128 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

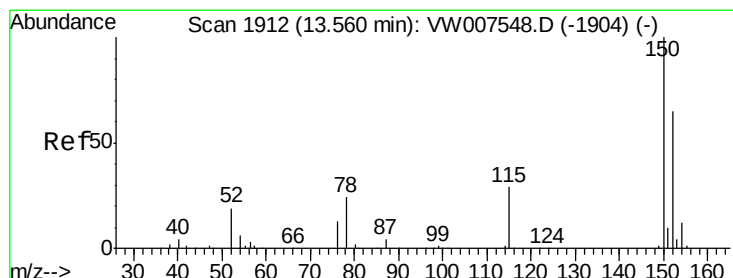
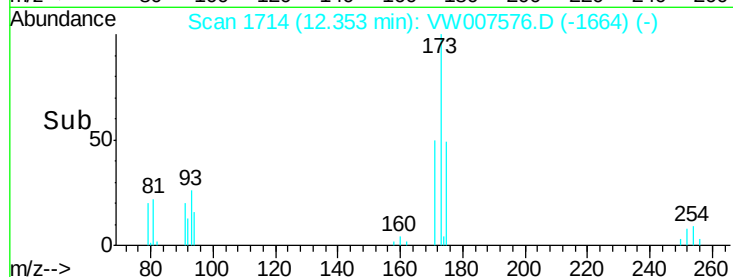
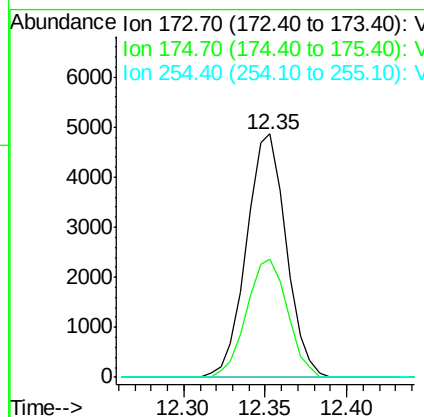
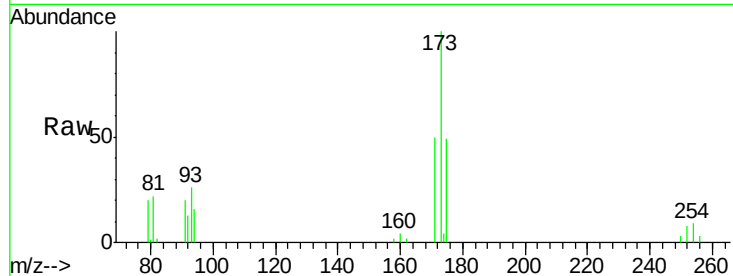
ClientSampleId :

VW1217SBSD03

Tgt Ion:	173	Resp:	8249
Ion Ratio	Lower	Upper	
173	100		
175	50.0	23.6	70.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

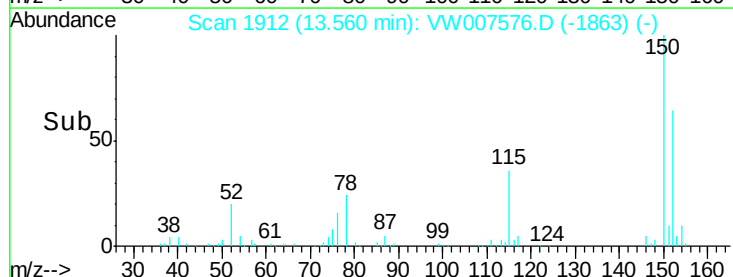
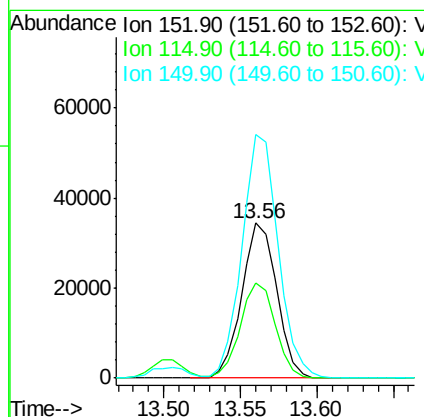
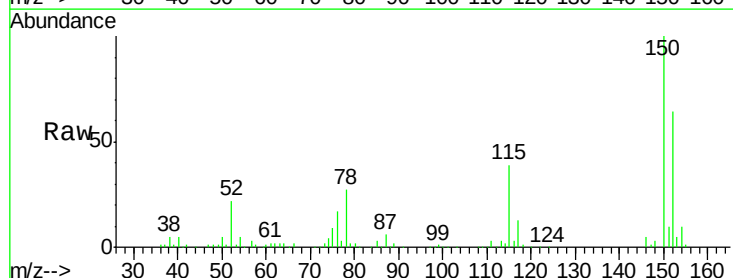
RT: 13.56 min Scan# 1912

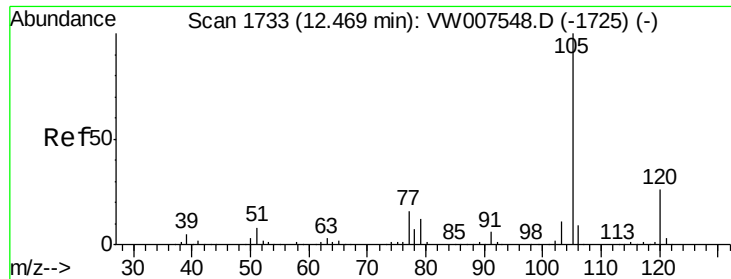
Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Tgt Ion:	152	Resp:	54694
Ion Ratio	Lower	Upper	
152	100		
115	61.2	31.4	94.2
150	162.4	0.0	358.4





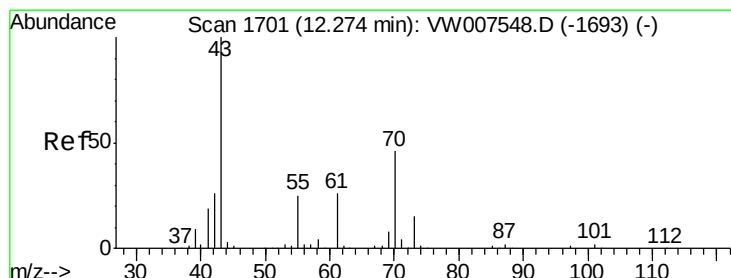
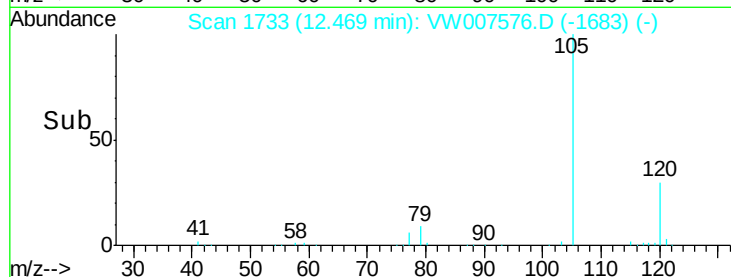
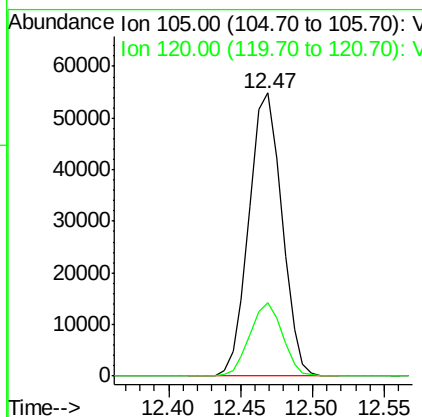
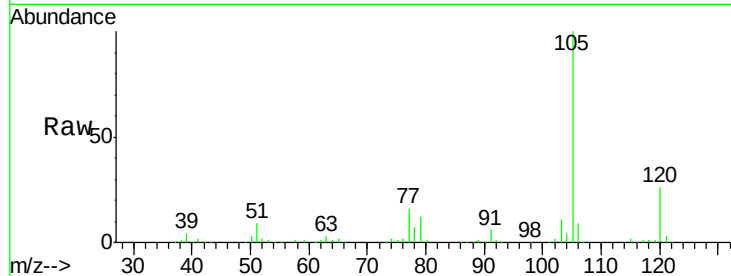
#73
Isopropylbenzene
Concen: 20.697 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion: 105 Resp: 86737
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4

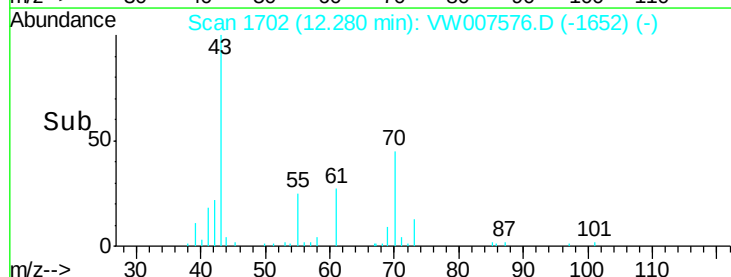
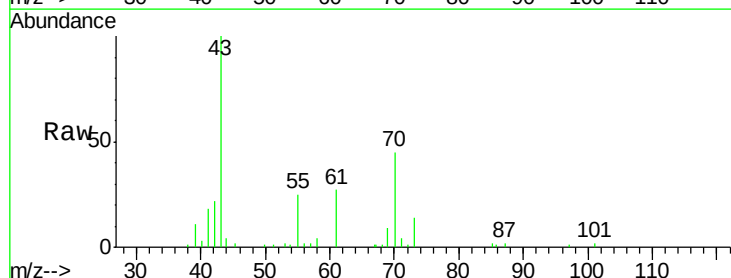
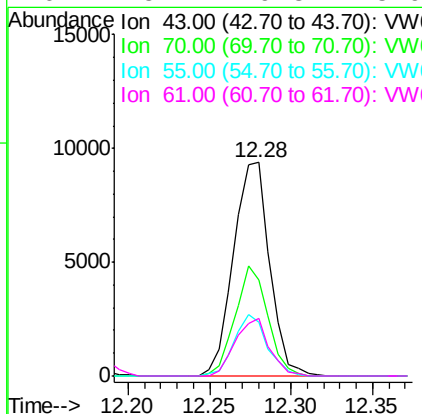
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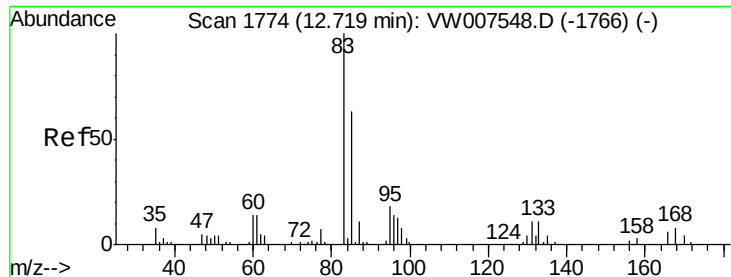
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#74
N-ethyl acetate
Concen: 19.095 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion: 43 Resp: 14544
Ion Ratio Lower Upper
43 100
70 46.1 36.5 54.7
55 26.4 20.1 30.1
61 25.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.818 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

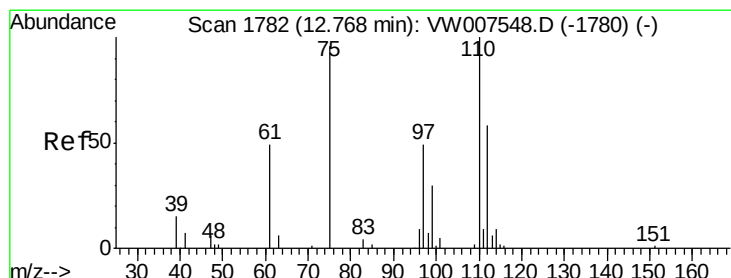
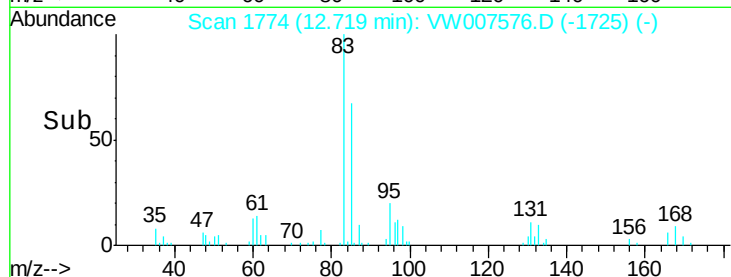
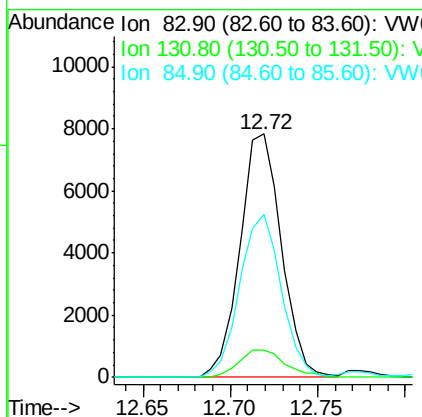
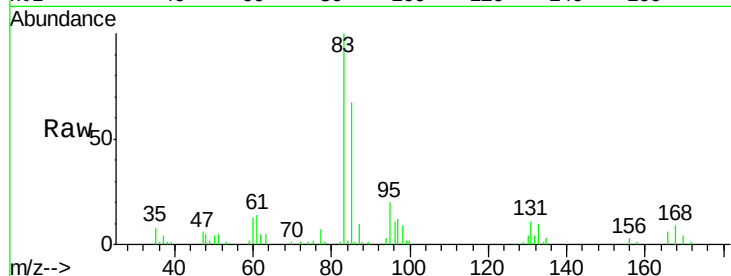
ClientSampleId :

VW1217SBSD03

Tgt Ion:	83	Resp:	12922
Ion Ratio	Lower	Upper	
83	100		
131	12.6	5.9	17.8
85	67.2	30.0	90.0

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#76

1,2,3-Trichloropropane

Concen: 22.250 ug/l m

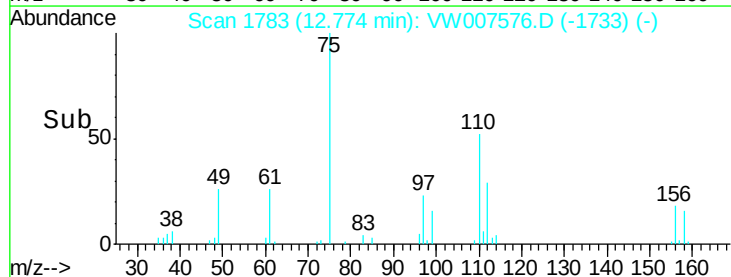
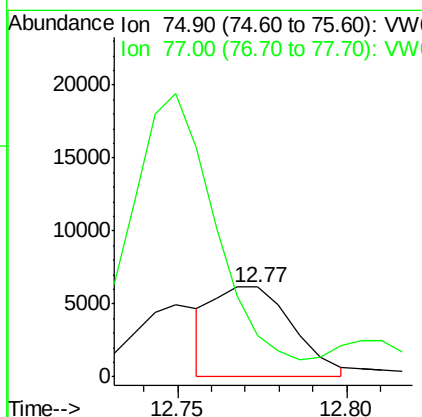
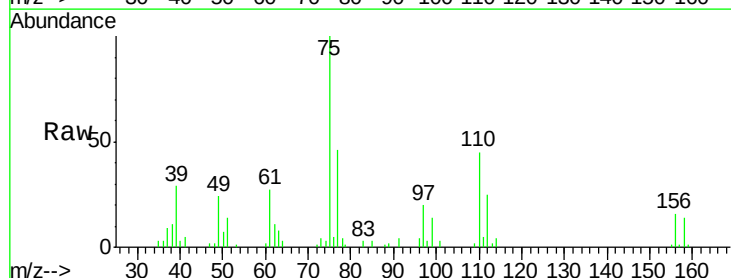
RT: 12.77 min Scan# 1783

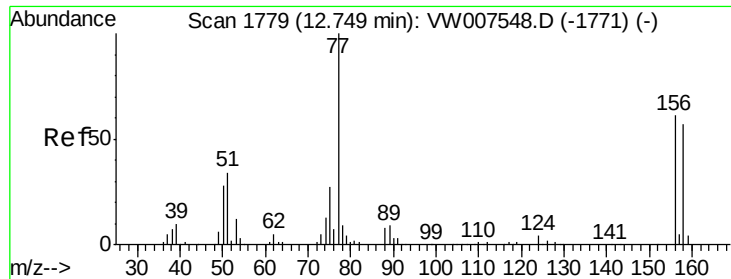
Delta R.T. 0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Tgt Ion:	75	Resp:	10034
Ion Ratio	Lower	Upper	
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 21.319 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

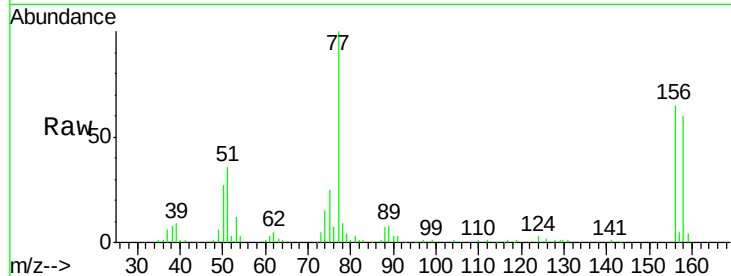
ClientSampleId :

VW1217SBS03

Tgt Ion	Ratio	Lower	Upper
156	100		
77	176.5	88.1	264.4
158	94.8	45.6	136.7

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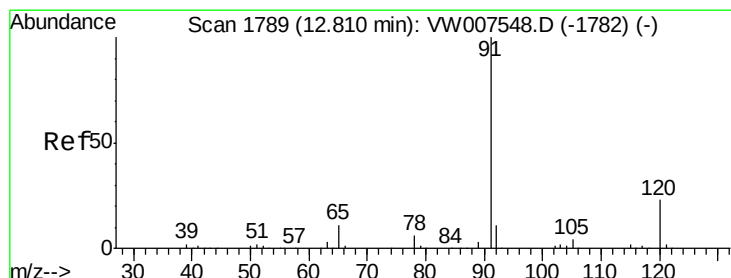
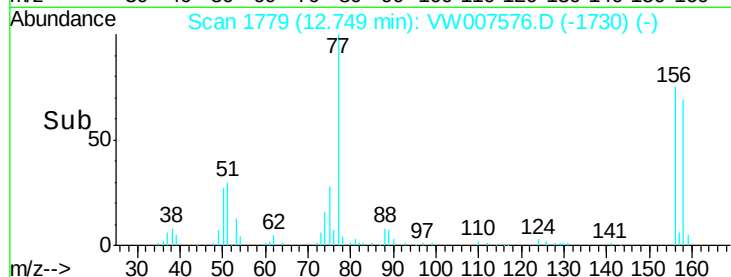
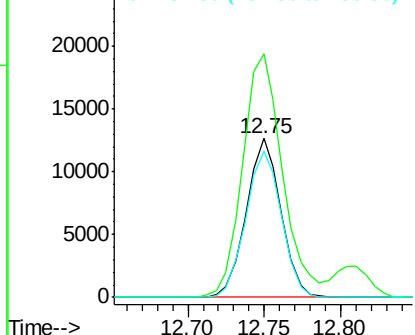


Abundance

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: 21.648 ug/l

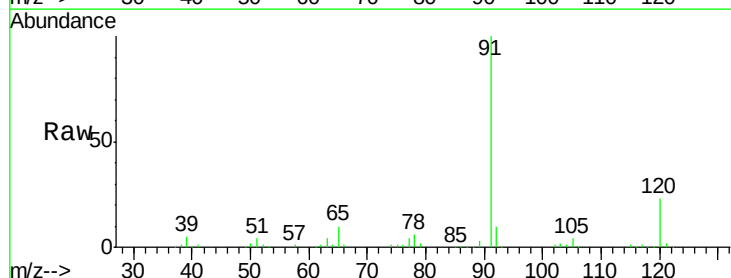
RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

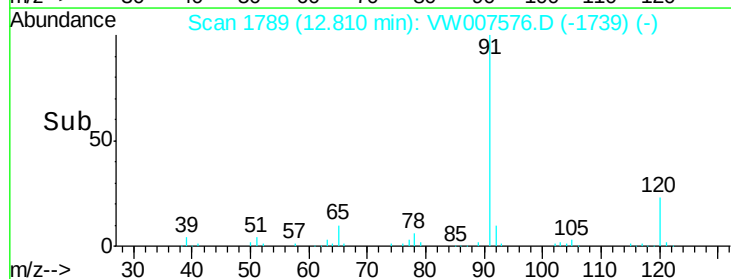
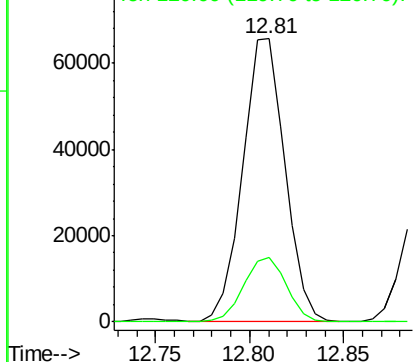
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.9	35.5

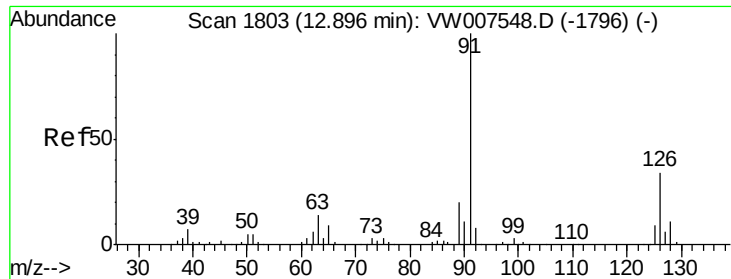


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.901 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW1217SBSD03

Tgt Ion: 91 Resp: 59647

Ion Ratio Lower Upper

91 100

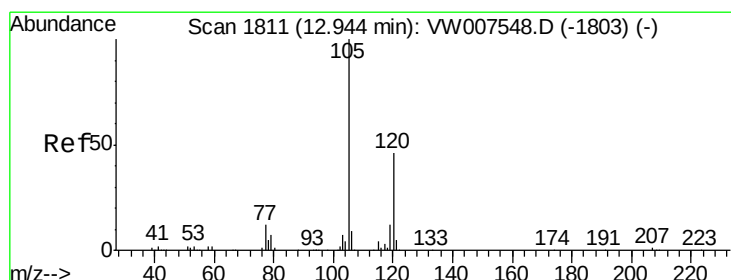
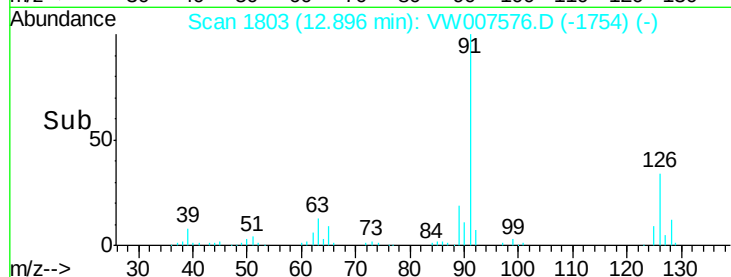
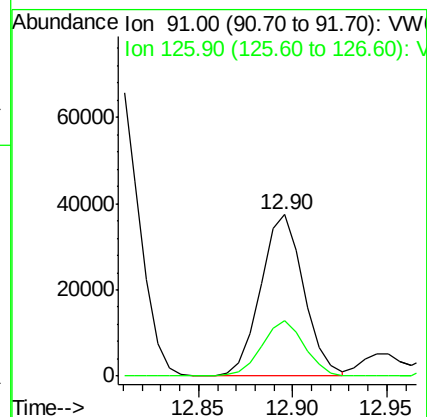
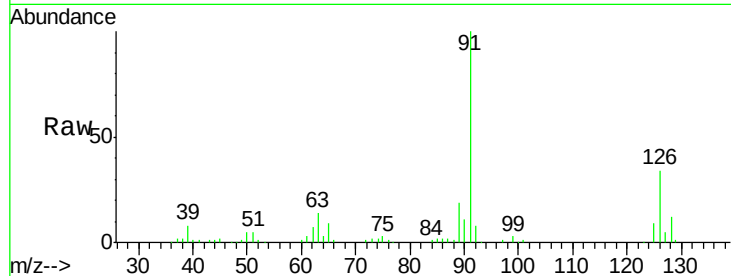
126 33.8 15.9 47.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.243 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007576.D

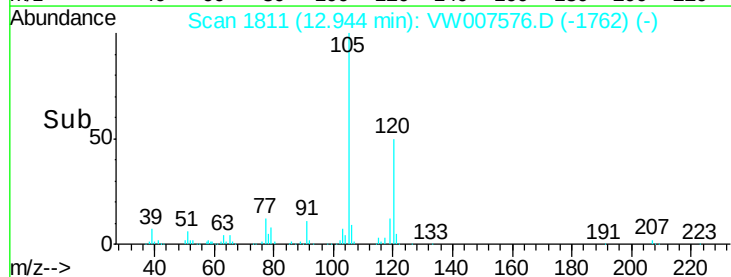
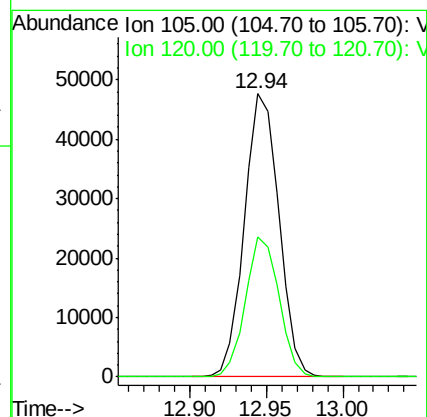
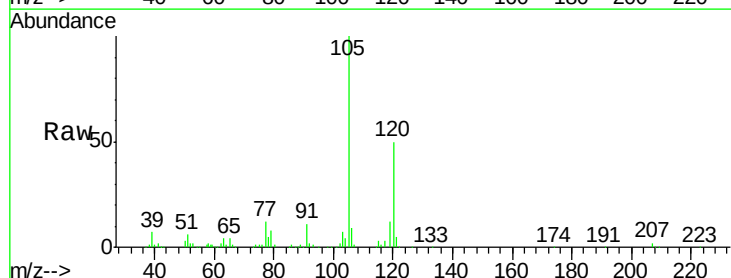
Acq: 15 Dec 2018 12:42

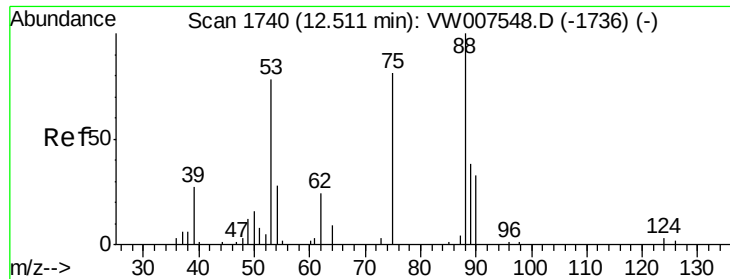
Tgt Ion: 105 Resp: 74806

Ion Ratio Lower Upper

105 100

120 48.1 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.766 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

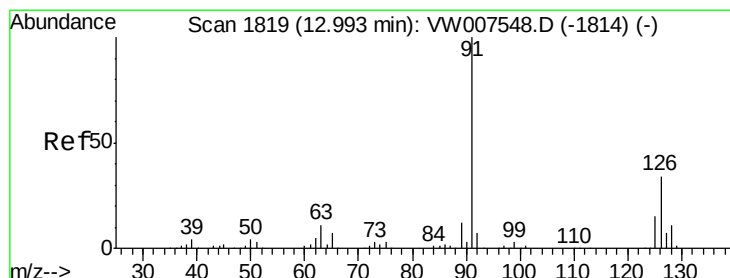
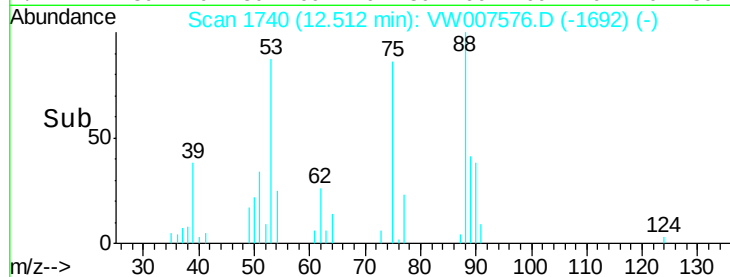
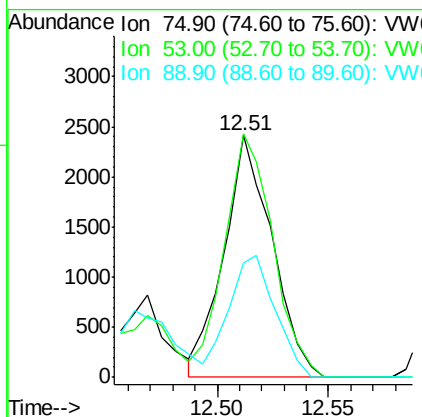
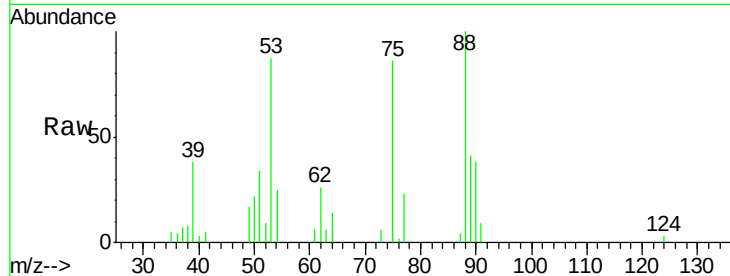
Instrument :
MSVOA_W
ClientSampleId :
VW1217SBSD03

Tgt Ion: 75 Resp: 3627

Ion	Ratio	Lower	Upper
75	100		
53	101.4	84.9	127.3
89	48.8	40.3	60.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.757 ug/l

RT: 12.99 min Scan# 1819

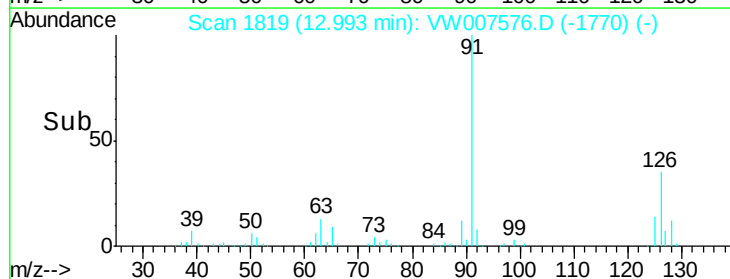
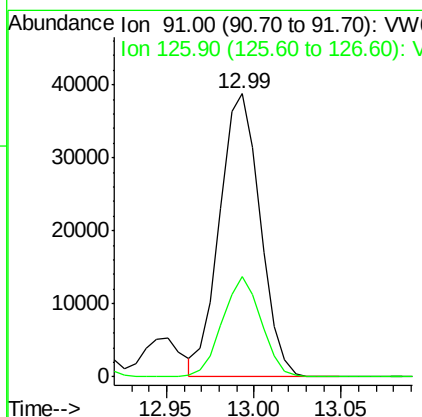
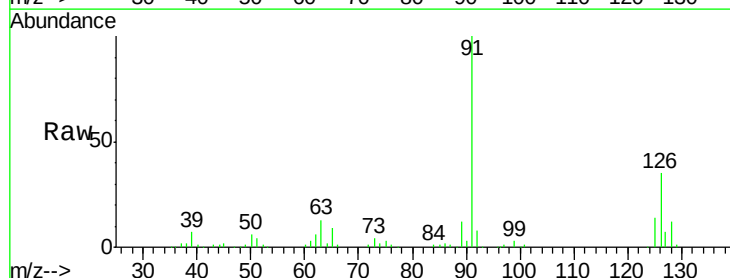
Delta R.T. -0.00 min

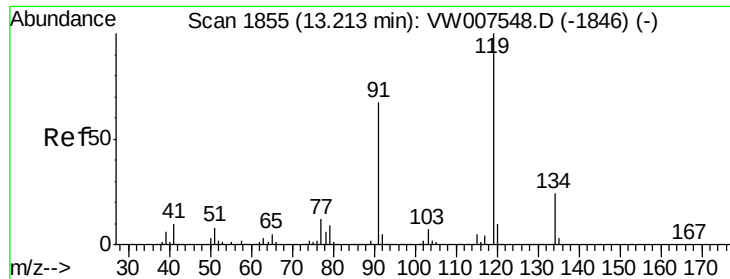
Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Tgt Ion: 91 Resp: 62442

Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.0	48.0





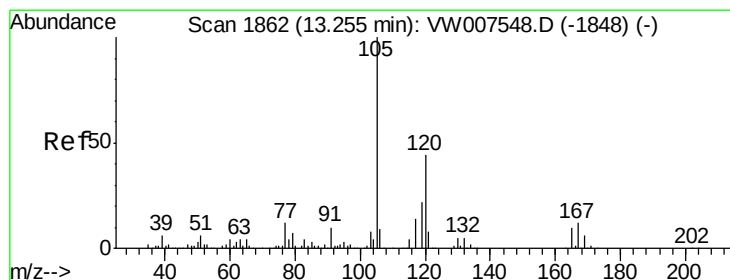
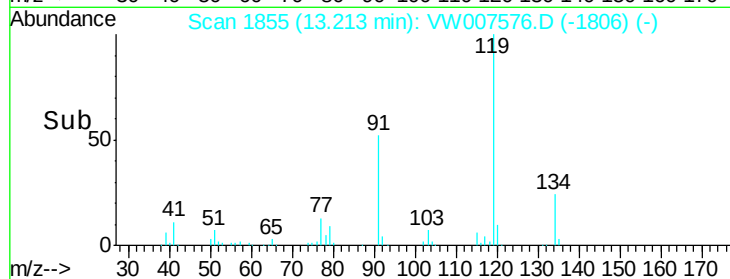
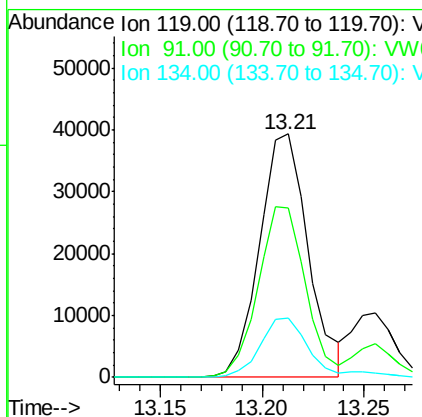
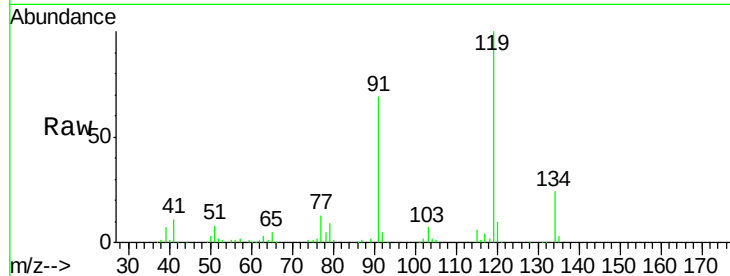
#83
 tert-Butylbenzene
 Concen: 21.136 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	65580		
91	67.9	33.1	99.2	
134	25.2	12.5	37.5	

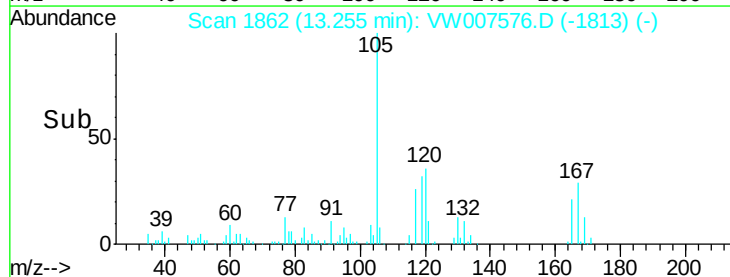
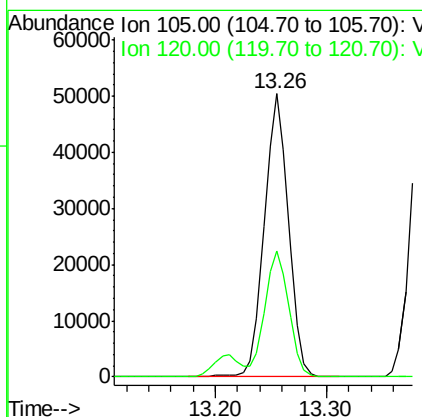
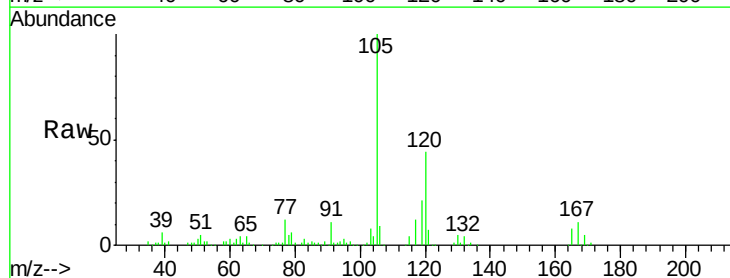
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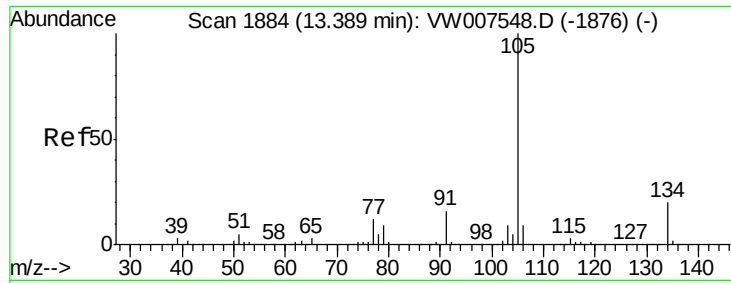
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.090 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	76422		
120	44.6	22.6	67.7	





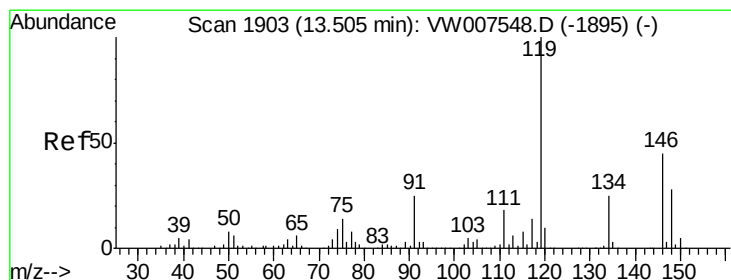
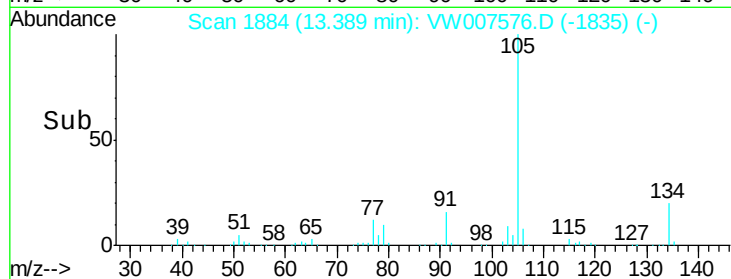
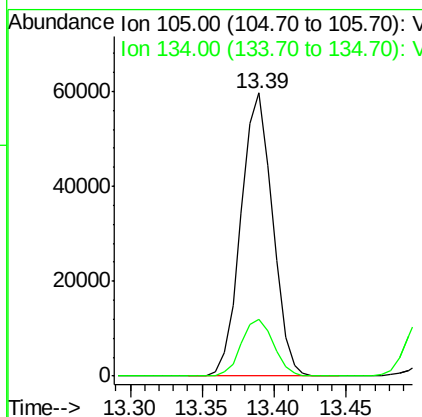
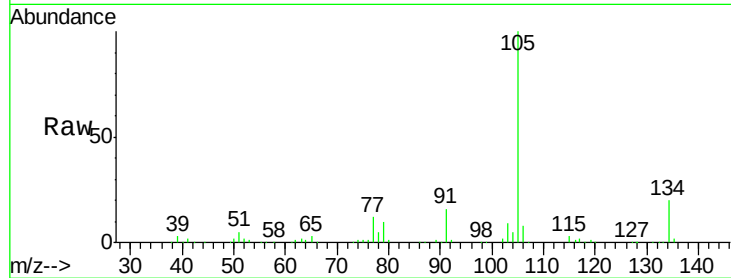
#85
 sec-Butylbenzene
 Concen: 21.436 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD03

Tgt Ion:105 Resp: 90798
 Ion Ratio Lower Upper
 105 100
 134 20.6 11.1 33.3

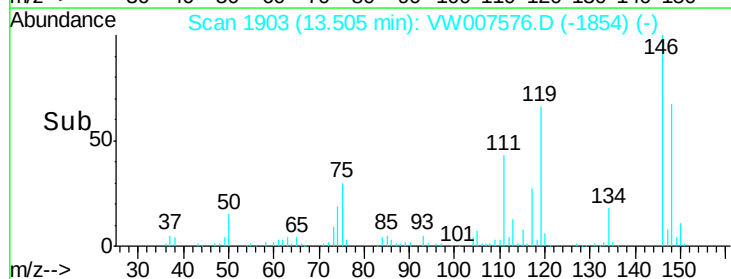
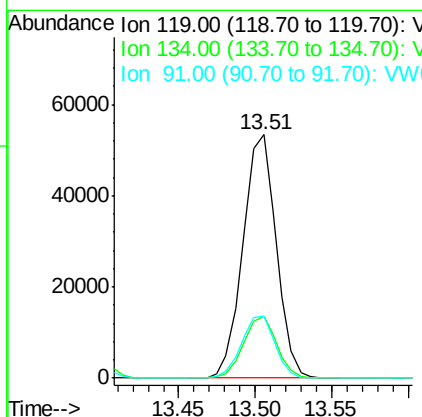
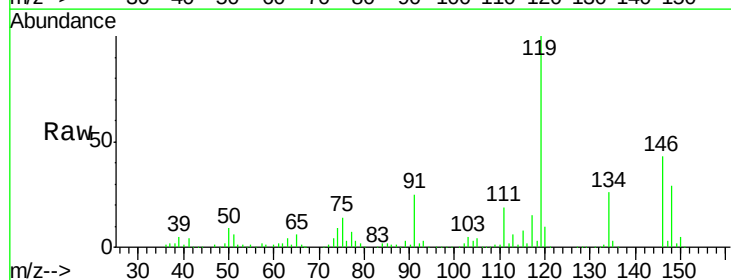
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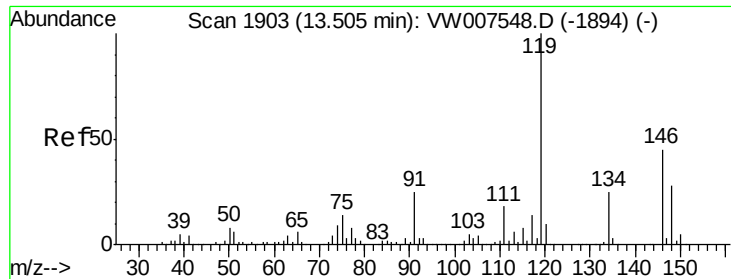
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#86
 p-Isopropyltoluene
 Concen: 21.229 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion:119 Resp: 80781
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.9 38.7
 91 25.6 11.9 35.9





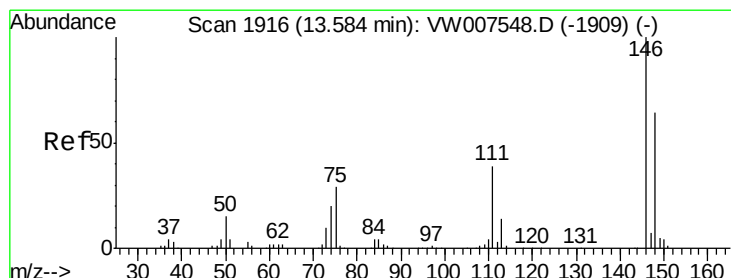
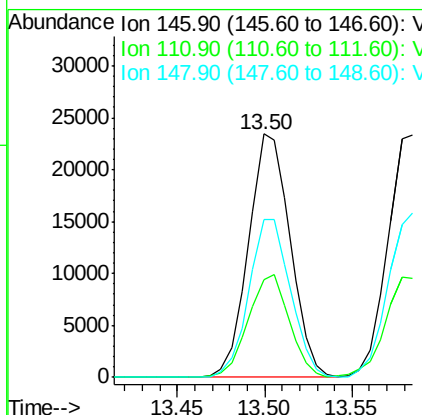
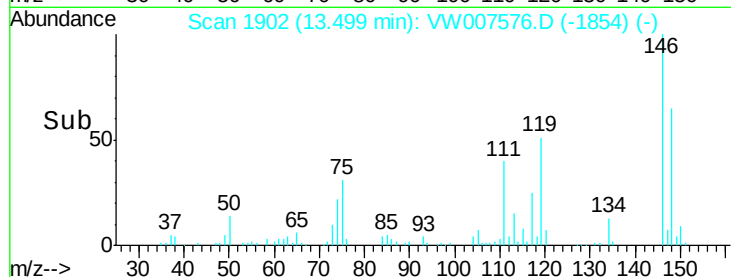
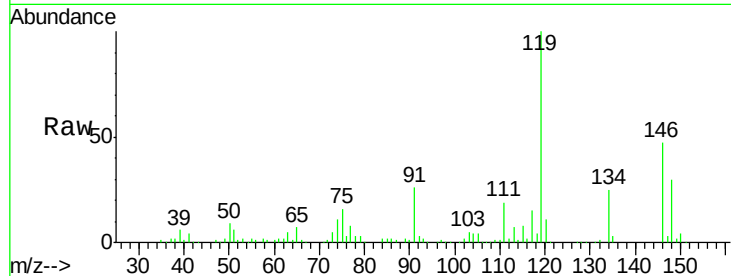
#87
 1,3-Dichlorobenzene
 Concen: 21.019 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBS03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.3
148	64.6	31.4	94.0

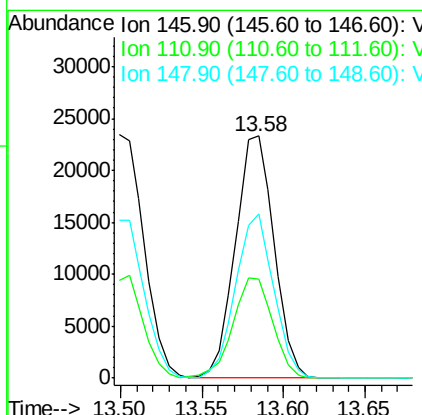
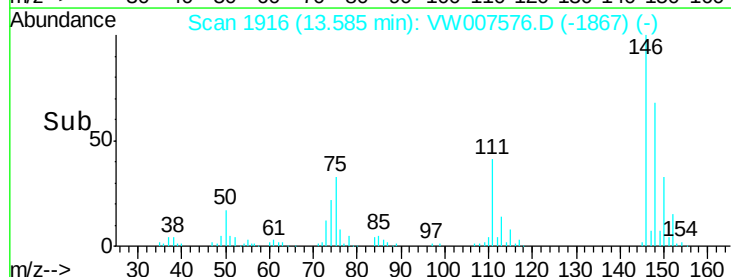
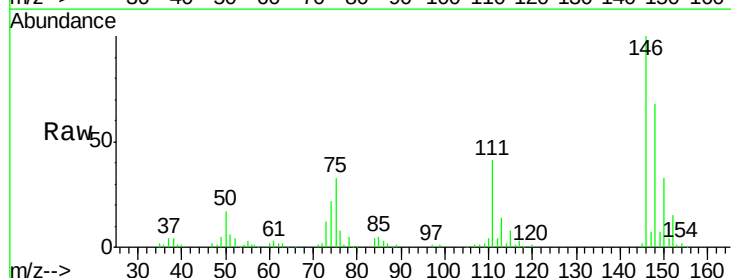
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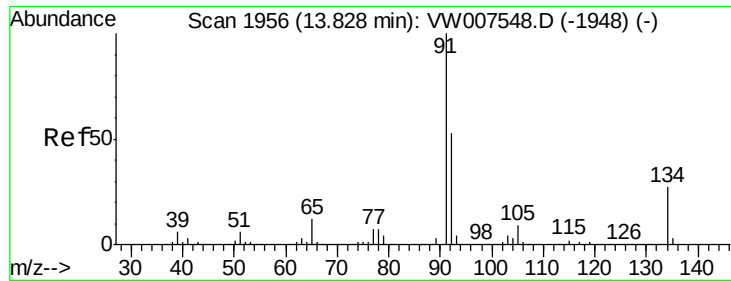
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#88
 1,4-Dichlorobenzene
 Concen: 20.729 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	61.0
148	66.3	33.5	100.5





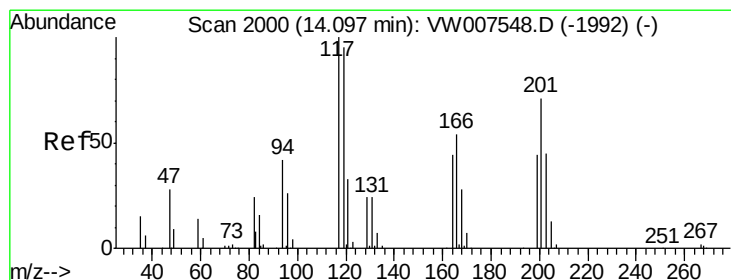
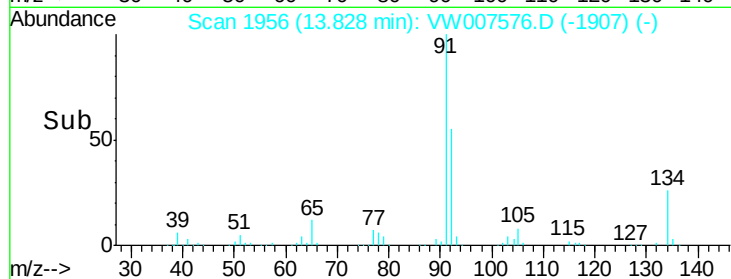
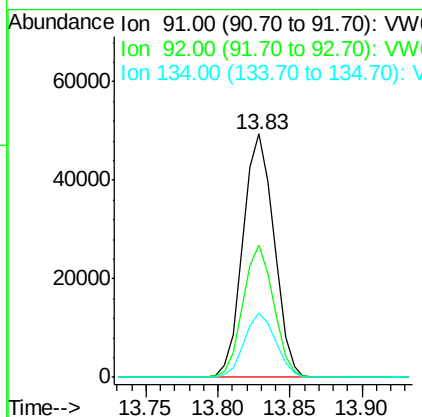
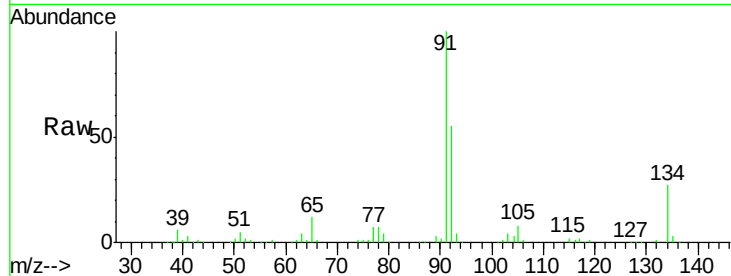
#89
n-Butylbenzene
Concen: 20.921 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW1217SBS03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	25.7	77.1
134	26.6	13.4	40.2

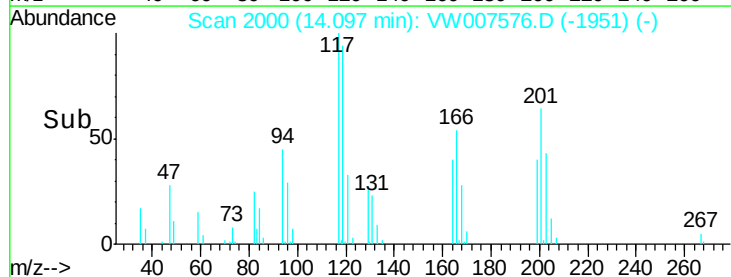
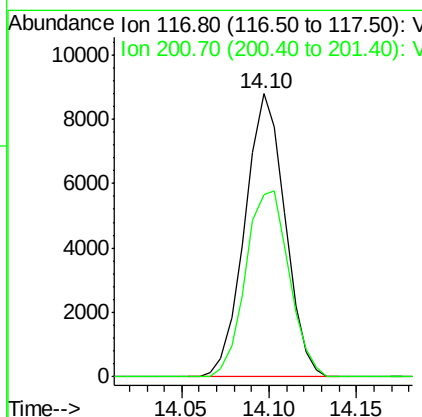
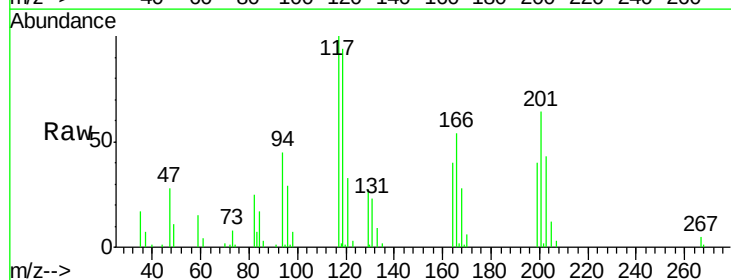
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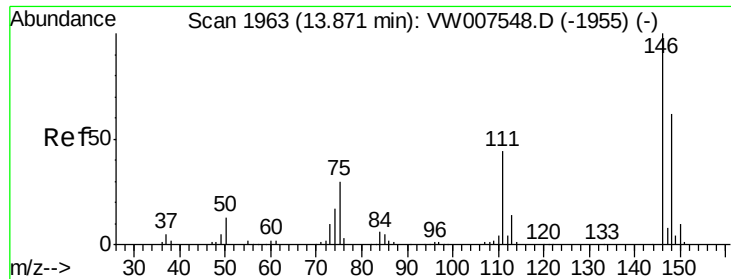
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#90
Hexachloroethane
Concen: 20.756 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007576.D
Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.3	105.9





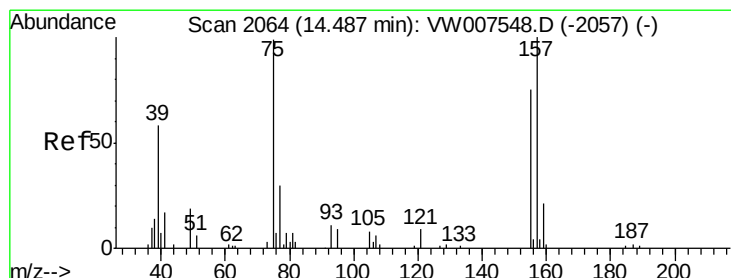
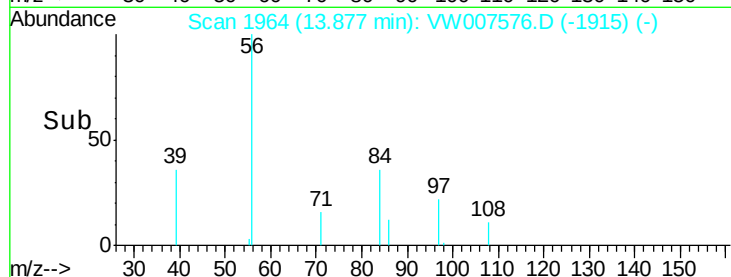
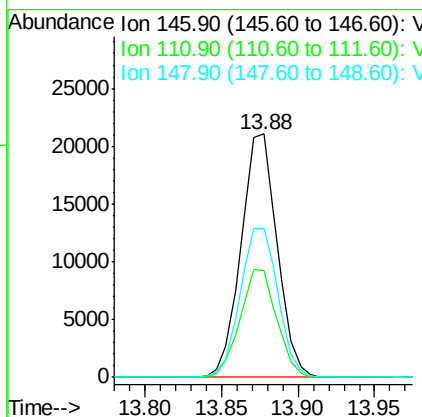
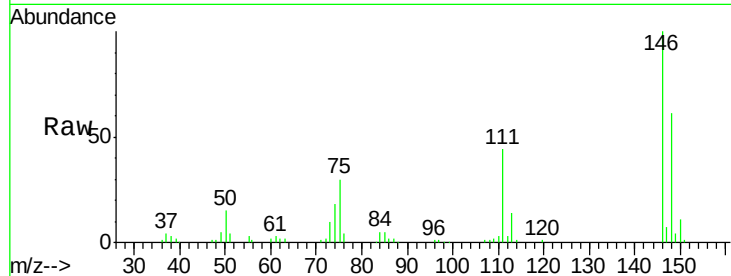
#91
 1,2-Dichlorobenzene
 Concen: 20.798 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.2
148	64.1	32.4	97.2

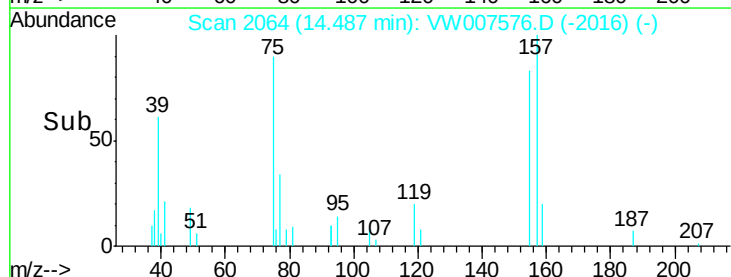
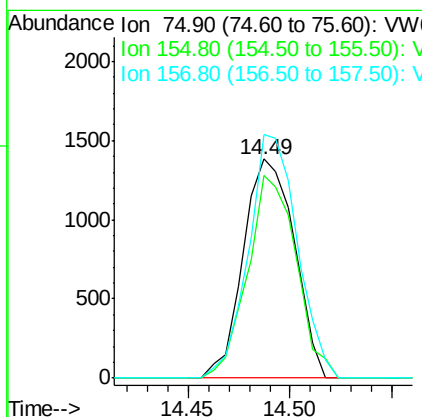
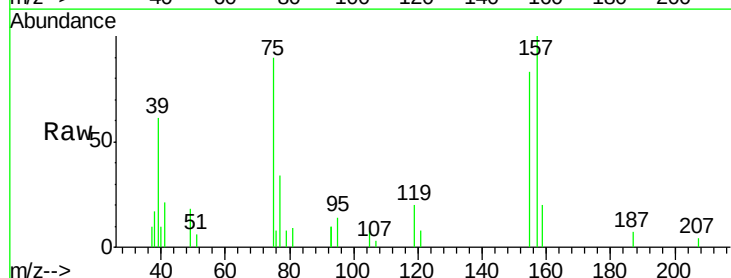
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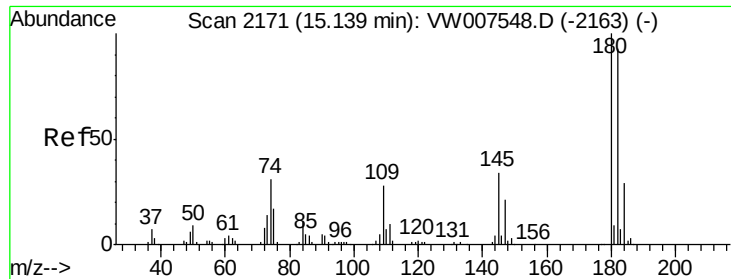
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.339 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	40.8	122.2
157	106.7	51.1	153.4





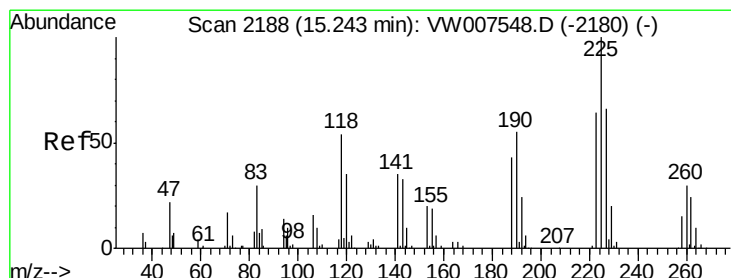
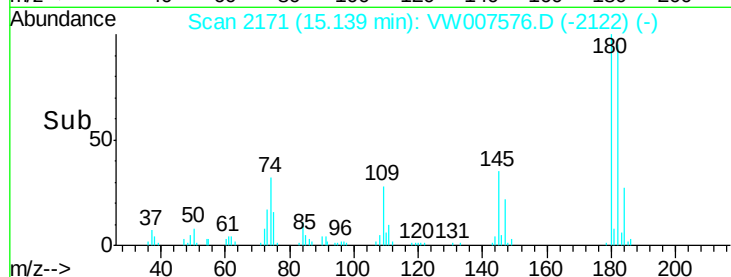
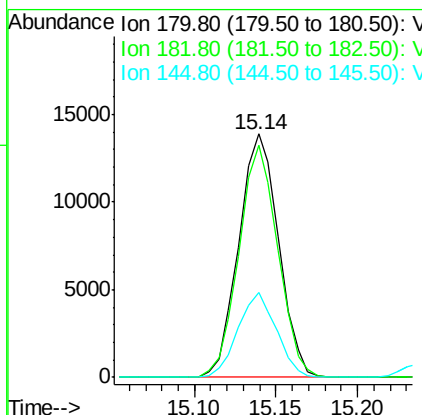
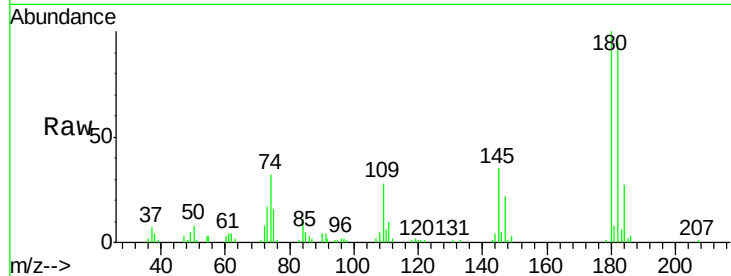
#93
 1,2,4-Trichlorobenzene
 Concen: 20.681 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1217SBSD03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	23610		
182	93.2	49.9	149.6	
145	33.6	17.8	53.4	

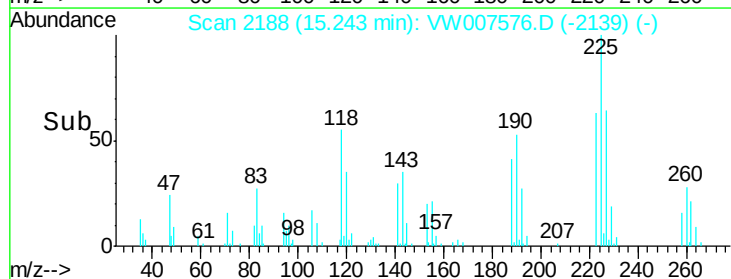
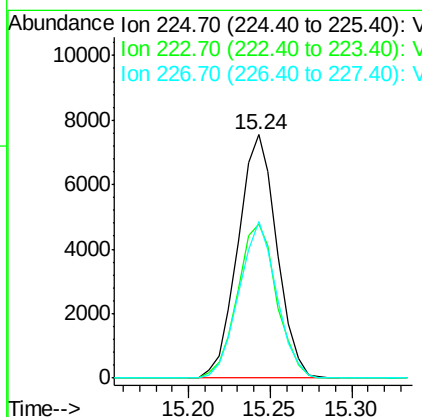
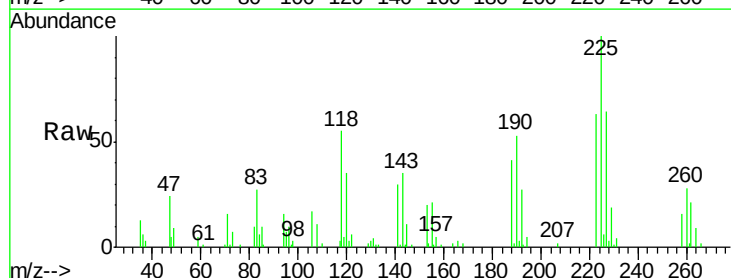
Manual Integrations
 APPROVED

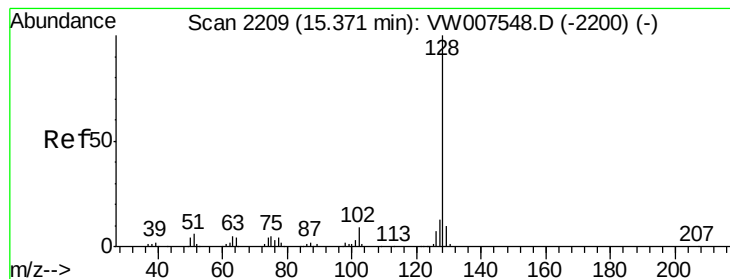
apatel
 12/17/2018 1:46:01 PM



#94
 Hexachlorobutadiene
 Concen: 20.618 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007576.D
 Acq: 15 Dec 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12489		
223	64.0	32.1	96.3	
227	62.3	31.9	95.9	





#95

Naphthalene

Concen: 20.513 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Instrument :

MSVOA_W

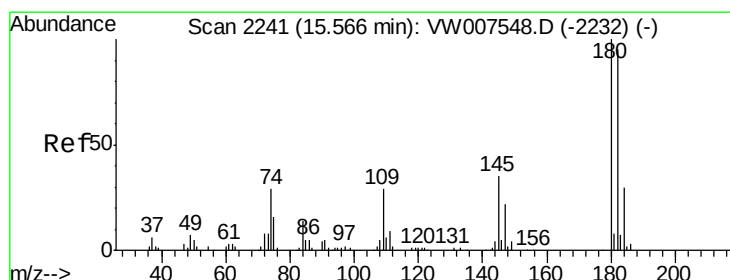
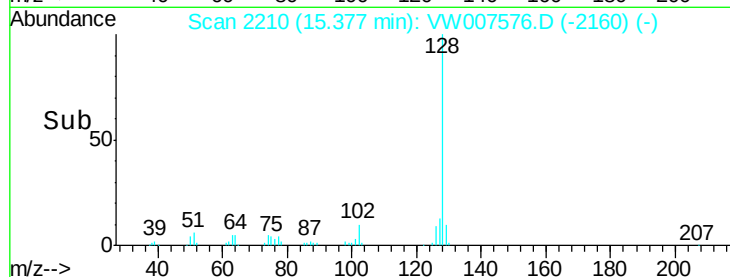
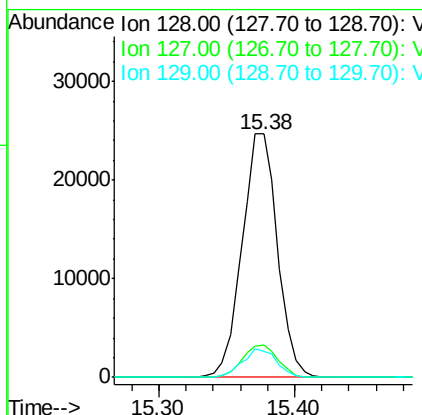
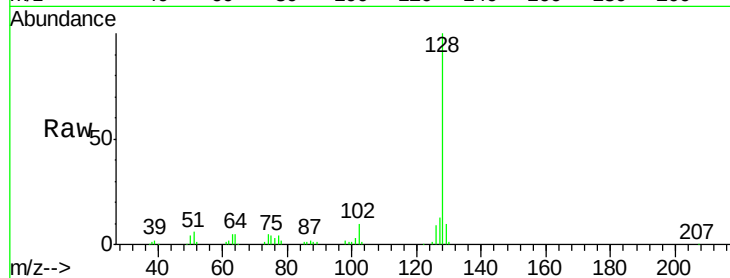
ClientSampleId :

VW1217SBSD03

Tgt Ion:	128	Resp:	44799
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.2	8.3	12.5

Manual Integrations
APPROVED

apatel
12/17/2018 1:46:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.831 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW007576.D

Acq: 15 Dec 2018 12:42

Tgt Ion:	180	Resp:	20658
Ion	Ratio	Lower	Upper
180	100		
182	95.1	45.6	136.7
145	36.5	17.5	52.5

