

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121618\
 Data File : VW007499.D
 Acq On : 13 Dec 2018 22:05
 Operator : SY/AP
 Sample : VW1216SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 12:18:19 PM

Quant Time: Dec 14 04:38:53 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	80062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	135214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	122586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61891	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	43154	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.88	113	40356	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.32	98	152764	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	59848	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	13705m	24.496	ug/l	
3) Chloromethane	2.21	50	10573	22.565	ug/l	96
4) Vinyl Chloride	2.37	62	12666	23.034	ug/l	92
5) Bromomethane	2.78	94	8310	22.493	ug/l	95
6) Chloroethane	2.92	64	7152	23.628	ug/l	98
7) Trichlorofluoromethane	3.26	101	9793	19.809	ug/l	94
8) Diethyl Ether	3.68	74	8608	22.247	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18058	22.137	ug/l	98
10) Methyl Iodide	4.26	142	28769	21.295	ug/l	99
11) Tert butyl alcohol	5.18	59	7008	114.881	ug/l #	88
12) 1,1-Dichloroethene	4.03	96	17788	22.649	ug/l	99
13) Acrolein	3.89	56	4642	115.001	ug/l	96
14) Allyl chloride	4.67	41	24510	21.172	ug/l	100
15) Acrylonitrile	5.37	53	18876	115.724	ug/l	98
16) Acetone	4.12	43	17080	110.090	ug/l	97
17) Carbon Disulfide	4.37	76	50807	21.335	ug/l	99
18) Methyl Acetate	4.67	43	10118	24.029	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	27378	23.108	ug/l	99
20) Methylene Chloride	4.91	84	20531	22.005	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	18575	21.142	ug/l	94
22) Diisopropyl ether	6.31	45	47804	21.483	ug/l	99
23) Vinyl Acetate	6.25	43	138313	111.127	ug/l	97
24) 1,1-Dichloroethane	6.21	63	31793	21.140	ug/l	97
25) 2-Butanone	7.17	43	23249	114.785	ug/l	98
26) 2,2-Dichloropropane	7.16	77	20516	20.612	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	20763	21.583	ug/l	98
28) Bromochloromethane	7.51	49	11831	20.914	ug/l	99
29) Tetrahydrofuran	7.53	42	15600	121.662	ug/l	100
30) Chloroform	7.67	83	34408	21.024	ug/l	96
31) Cyclohexane	7.95	56	29392	21.301	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	29147	20.308	ug/l	97
36) 1,1-Dichloropropene	8.08	75	26143	21.195	ug/l	100
37) Ethyl Acetate	7.25	43	10571	23.042	ug/l	99
38) Carbon Tetrachloride	8.07	117	28015	20.874	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32908	22.033	ug/l	94
40) Benzene	8.32	78	71793	20.973	ug/l	99
41) Methacrylonitrile	7.48	41	6988	26.748	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	22927	21.322	ug/l	99
43) Isopropyl Acetate	8.43	43	21089	23.272	ug/l	99
44) Trichloroethene	9.09	130	20861	21.341	ug/l	96
45) 1,2-Dichloropropane	9.37	63	17136	21.632	ug/l	95
46) Dibromomethane	9.46	93	10133	22.525	ug/l	95
47) Bromodichloromethane	9.65	83	25180	21.340	ug/l	94
48) Methyl methacrylate	9.44	41	10682	22.952	ug/l	100
49) 1,4-Dioxane	9.45	88	3235	443.207	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	52339	122.234	ug/l	97
52) Toluene	10.38	92	48276	21.793	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	25443	22.211	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	28796	21.745	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	14514	23.706	ug/l	97
56) Ethyl methacrylate	10.65	69	17734	24.099	ug/l	96
57) 1,3-Dichloropropane	10.93	76	23720	23.604	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	38188	112.531	ug/l	99
59) 2-Hexanone	10.97	43	35976	126.004	ug/l	97
60) Dibromochloromethane	11.13	129	17601	22.780	ug/l	98
61) 1,2-Dibromoethane	11.24	107	14501	23.967	ug/l	90
64) Tetrachloroethene	10.86	164	18201	20.647	ug/l	92
65) Chlorobenzene	11.66	112	55270	21.631	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	18947	21.055	ug/l	98
67) Ethyl Benzene	11.73	91	94940	21.612	ug/l	92
68) m/p-Xylenes	11.84	106	73615	43.106	ug/l	100
69) o-Xylene	12.17	106	34588	21.686	ug/l	96
70) Styrene	12.18	104	58001	22.514	ug/l	96
71) Bromoform	12.35	173	9924	21.546	ug/l #	99
73) Isopropylbenzene	12.47	105	98481	20.766	ug/l	99
74) N-amyl acetate	12.27	43	19952	23.149	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	16208	23.075	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	12475m	24.446	ug/l	
77) Bromobenzene	12.75	156	22239	21.156	ug/l	94
78) n-propylbenzene	12.81	91	114367	21.429	ug/l	100
79) 2-Chlorotoluene	12.90	91	67836	21.006	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	84501	21.206	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5168	22.371	ug/l	96
82) 4-Chlorotoluene	12.99	91	71035	20.868	ug/l	98
83) tert-Butylbenzene	13.21	119	74903	21.333	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	85208	20.780	ug/l	99
85) sec-Butylbenzene	13.39	105	103456	21.584	ug/l	96
86) p-Isopropyltoluene	13.50	119	92331	21.443	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	44991	21.467	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	44458	21.100	ug/l	97
89) n-Butylbenzene	13.83	91	84951	21.281	ug/l	99
90) Hexachloroethane	14.10	117	15608	20.372	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	40602	21.629	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3177	22.539	ug/l	98

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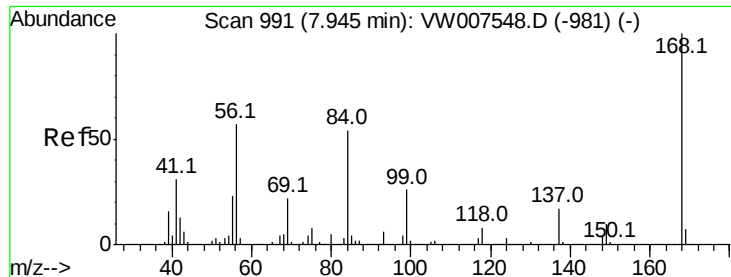
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27650	21.403	ug/l	93
94) Hexachlorobutadiene	15.24	225	13621	19.872	ug/l	98
95) Naphthalene	15.37	128	55888	22.614	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	23642	21.067	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

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ClientSampleId :

VW1216SBS02

Tot Ion:168 Resp: 80062

Ion Ratio Lower Upper

168 100

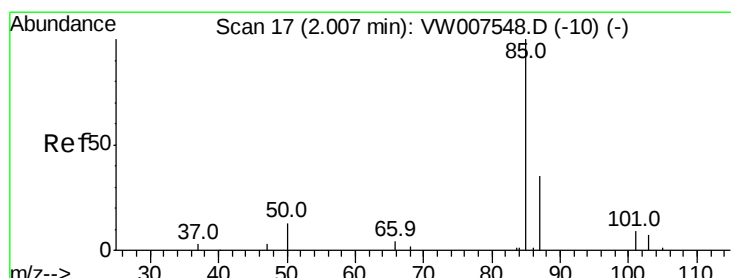
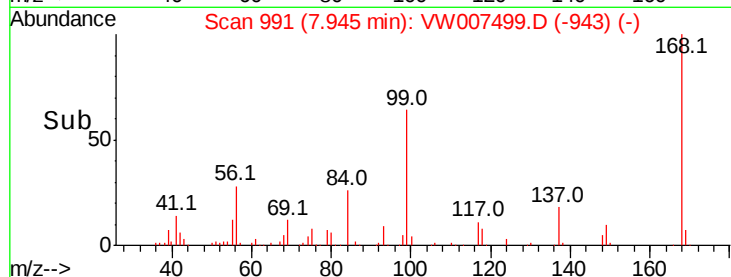
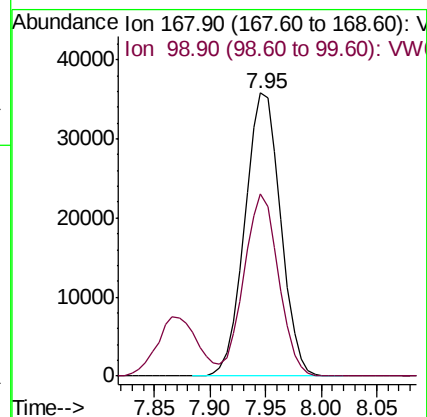
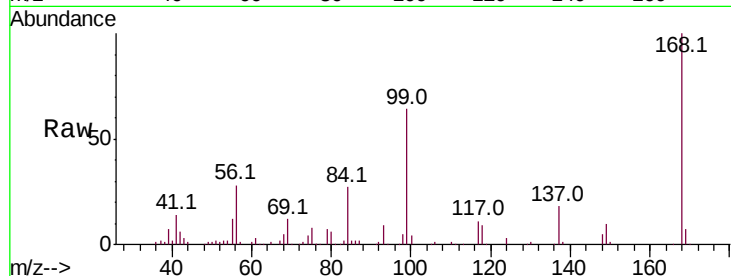
99 64.4 48.3 72.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 24.496 ug/l m

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007499.D

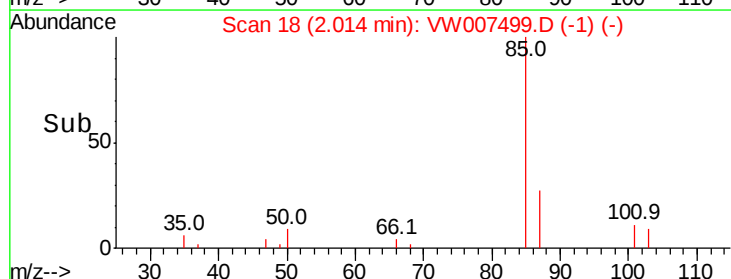
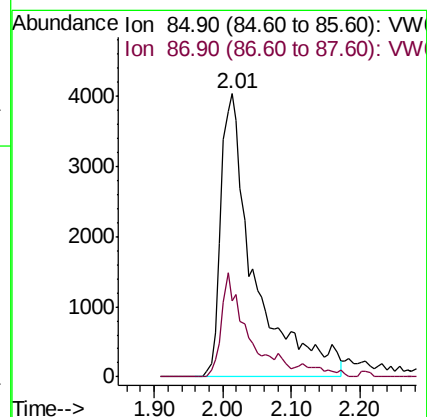
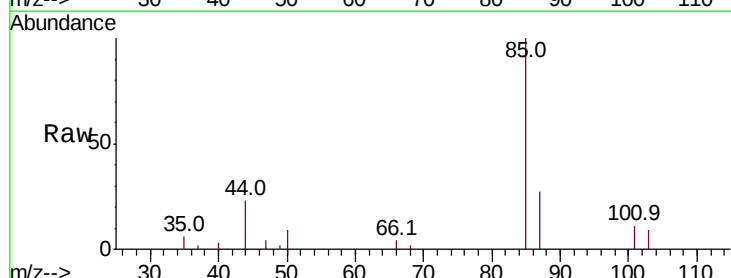
Acq: 13 Dec 2018 22:05

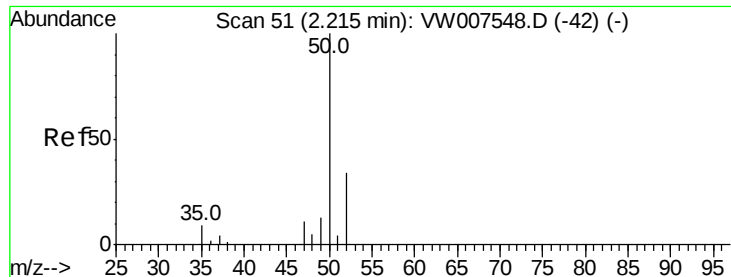
Tgt Ion: 85 Resp: 13705

Ion Ratio Lower Upper

85 100

87 26.7 16.6 49.7





#3

Chloromethane

Concen: 22.565 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 50 Resp: 10573

Ion Ratio Lower Upper

50 100

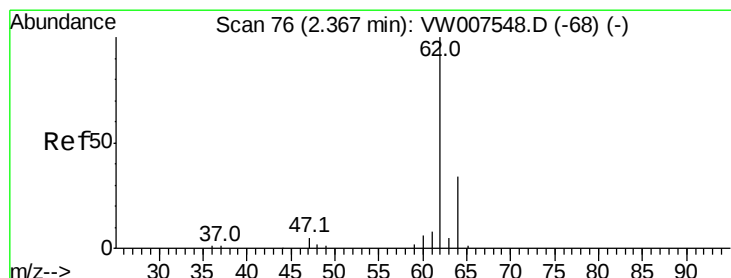
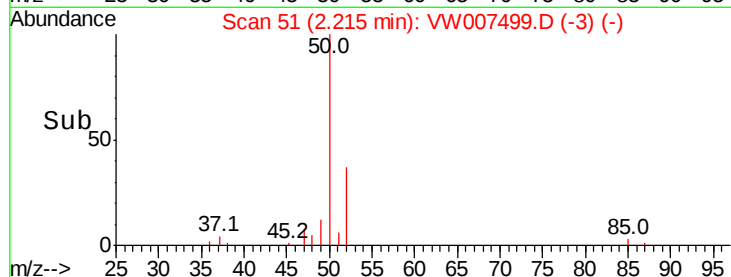
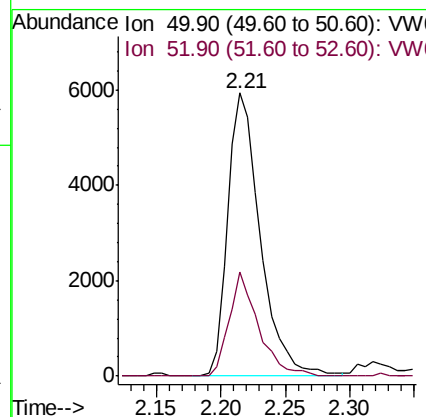
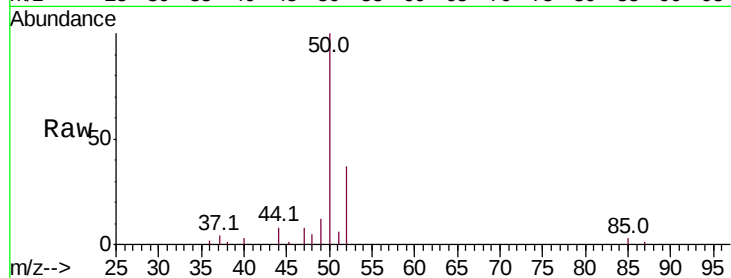
52 36.7 27.4 41.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.034 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007499.D

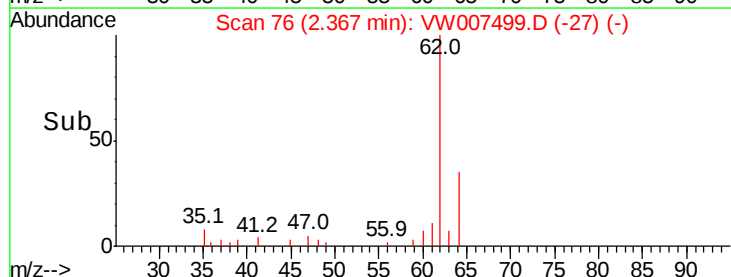
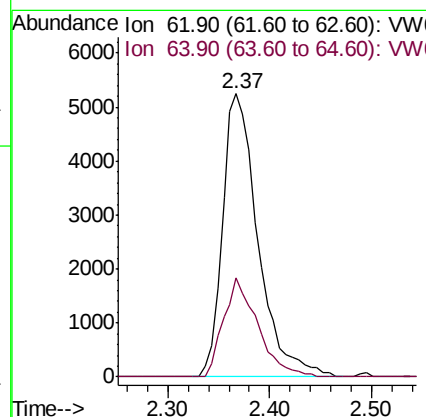
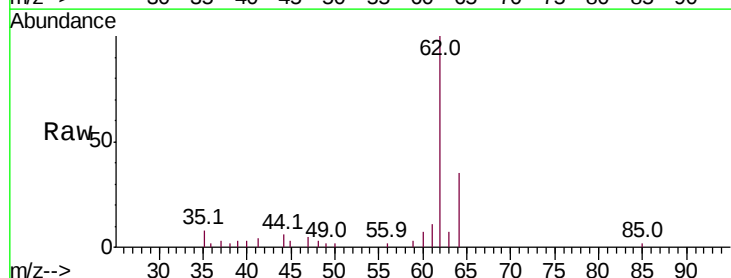
Acq: 13 Dec 2018 22:05

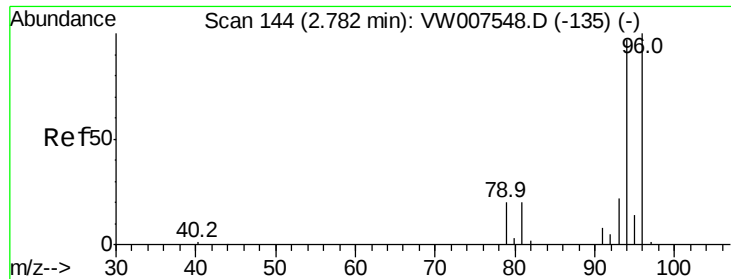
Tgt Ion: 62 Resp: 12666

Ion Ratio Lower Upper

62 100

64 35.0 24.6 37.0





#5

Bromomethane

Concen: 22.493 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

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VW1216SBS02

Tot Ion: 94 Resp: 8310

Ion Ratio Lower Upper

94 100

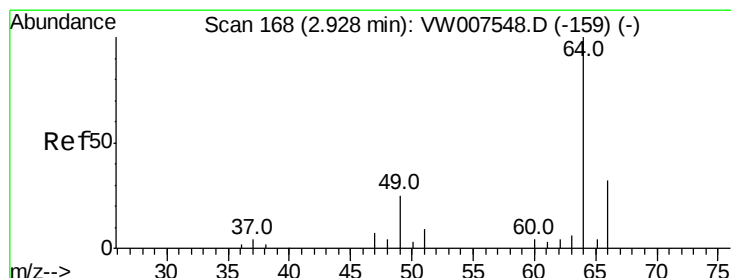
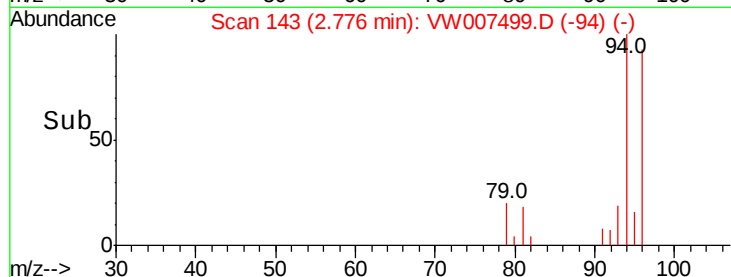
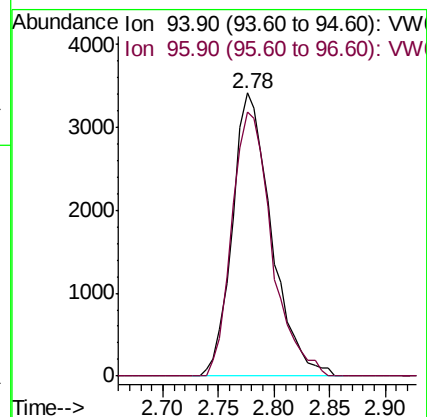
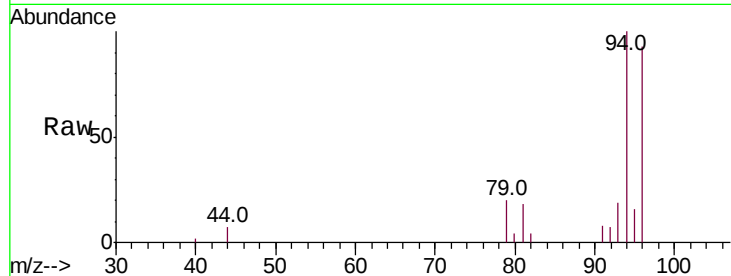
96 93.3 71.0 106.4

Manual Integrations

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#6

Chloroethane

Concen: 23.628 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007499.D

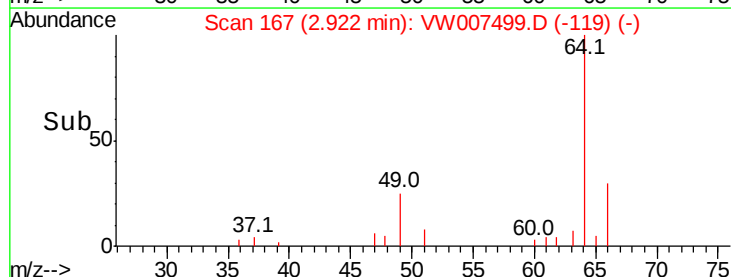
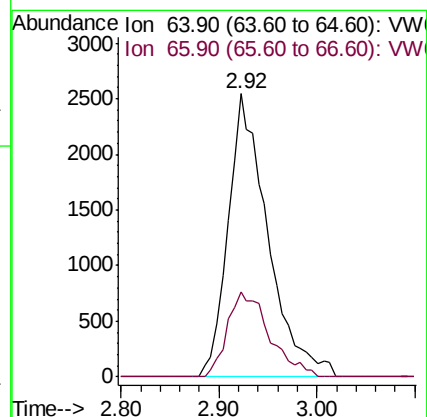
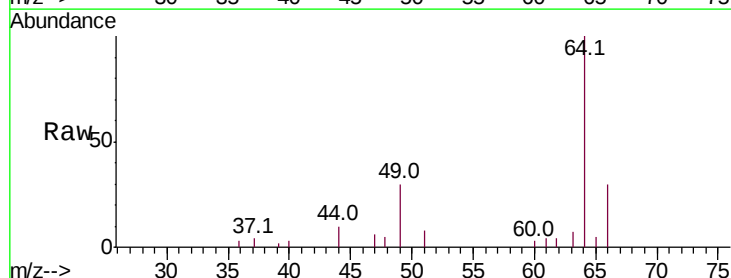
Acq: 13 Dec 2018 22:05

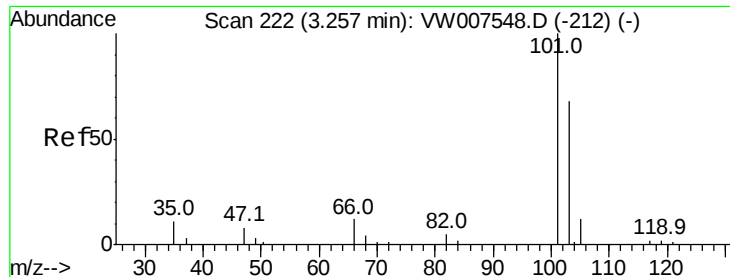
Tgt Ion: 64 Resp: 7152

Ion Ratio Lower Upper

64 100

66 29.8 24.6 37.0





#7

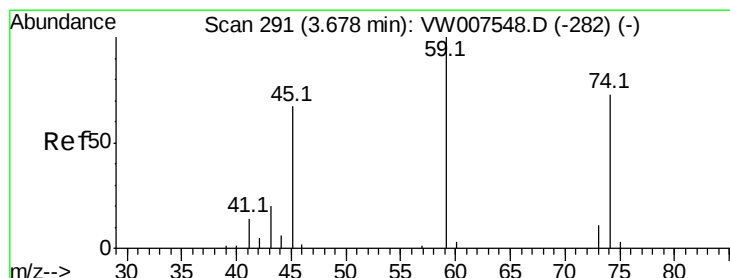
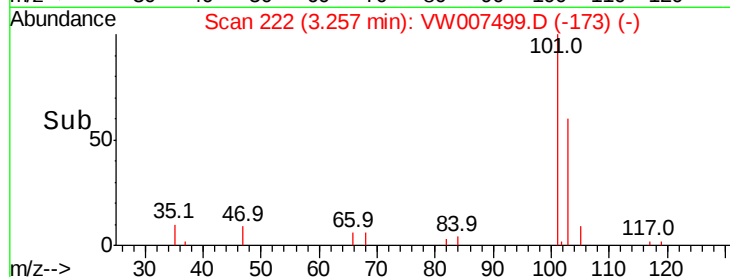
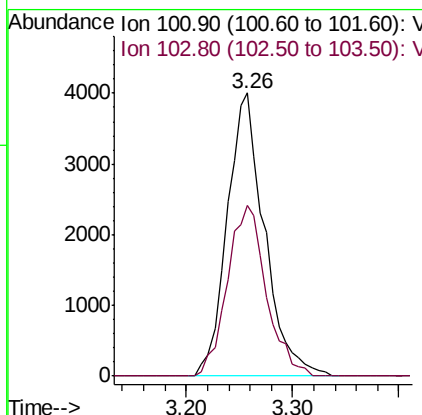
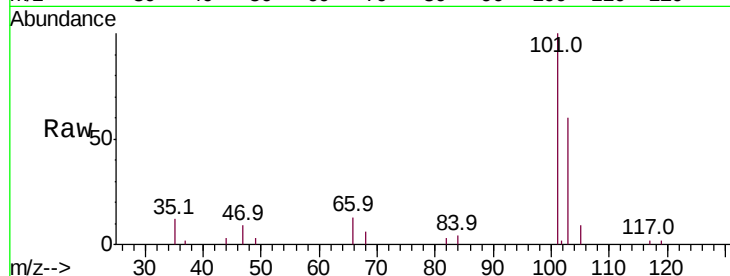
Trichlorofluoromethane
 Concen: 19.809 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
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Tot Ion	Ion	Ratio	Lower	Upper
9793	101	100		
	103	60.2	51.7	77.5

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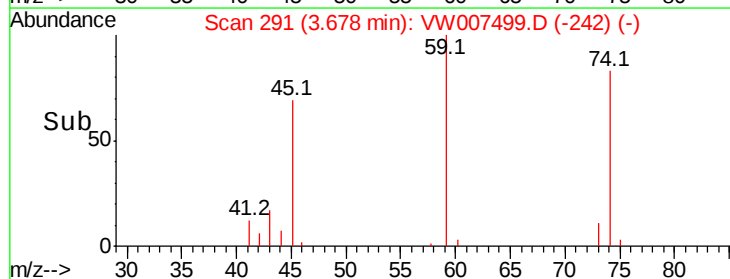
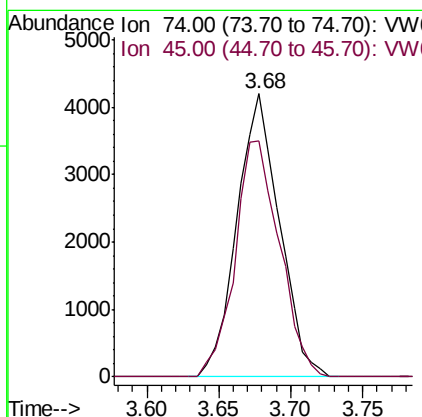
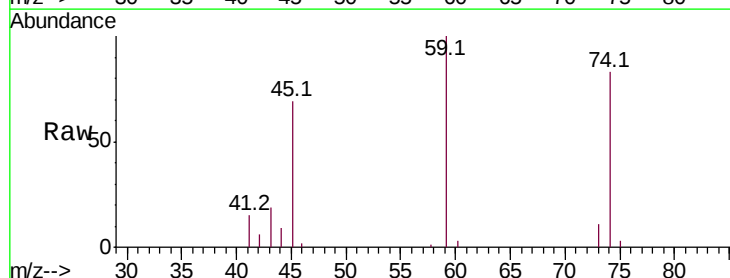
MMDadoda
 12/24/2018 12:18:19 PM

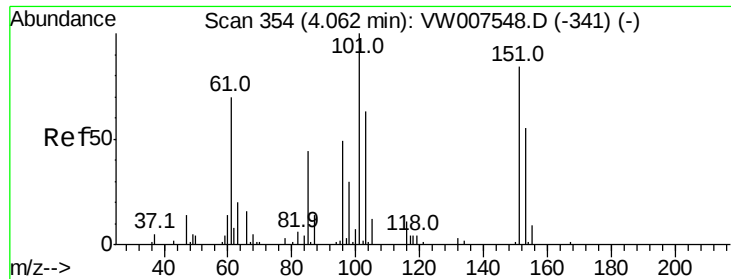


#8

Diethyl Ether
 Concen: 22.247 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion	Ion	Ratio	Lower	Upper
8608	74	100		
	45	87.2	43.0	129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.137 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

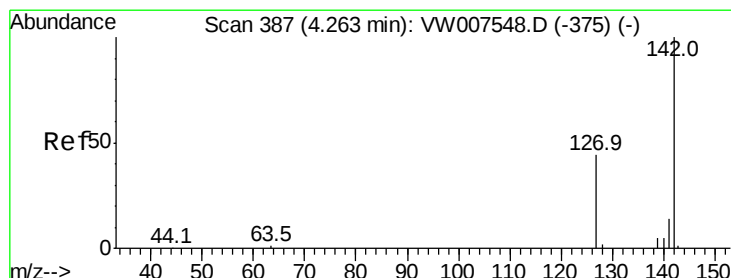
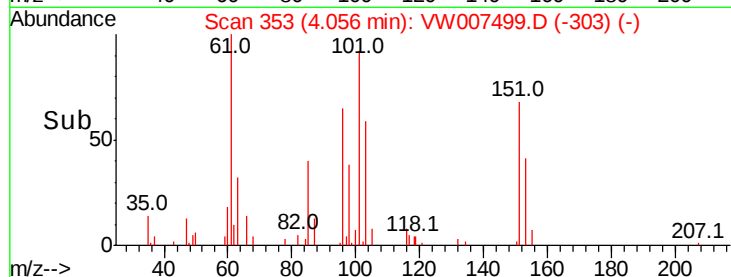
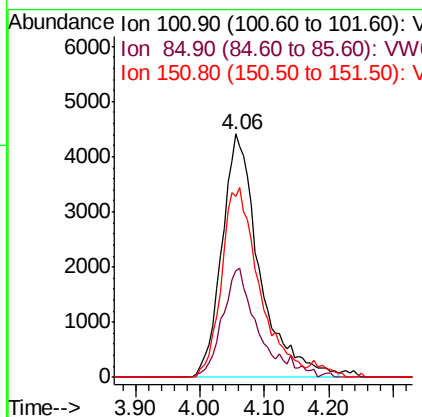
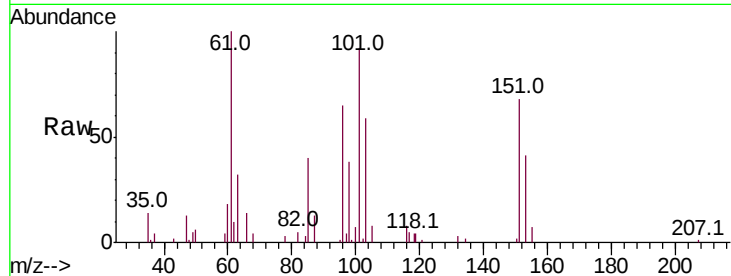
ClientSampleId :

VW1216SBS02

Tot Ion:	101	Resp:	18058
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.9	50.9
151	77.7	63.7	95.5

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#10

Methyl Iodide

Concen: 21.295 ug/l

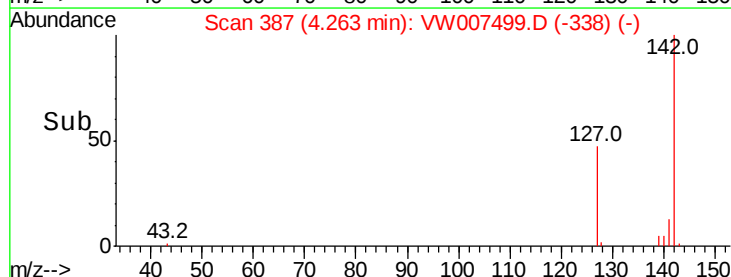
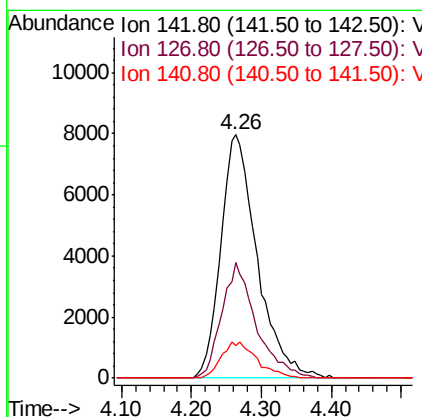
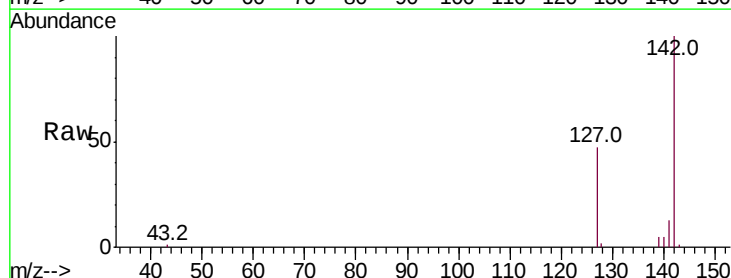
RT: 4.26 min Scan# 387

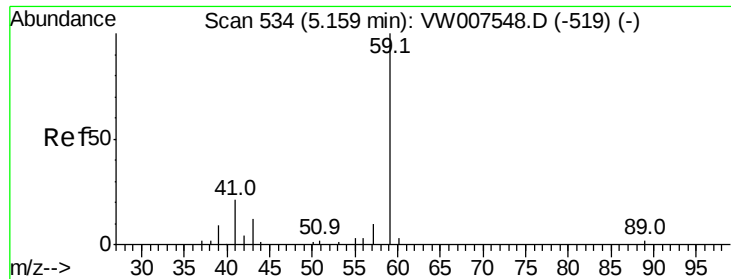
Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion:	142	Resp:	28769
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.8	53.6
141	14.5	11.1	16.7





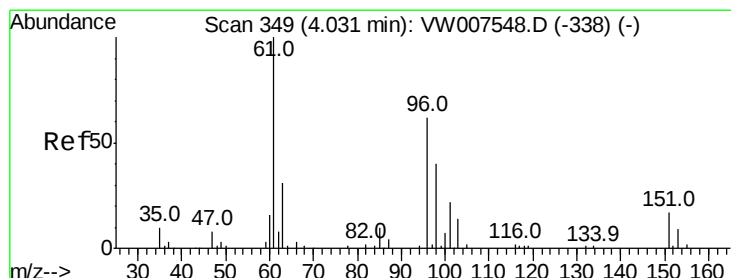
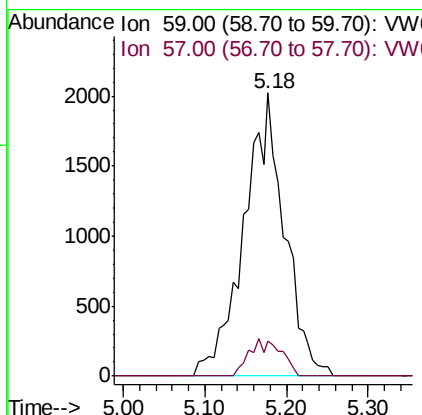
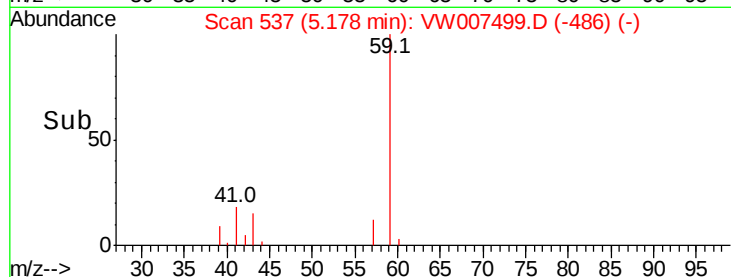
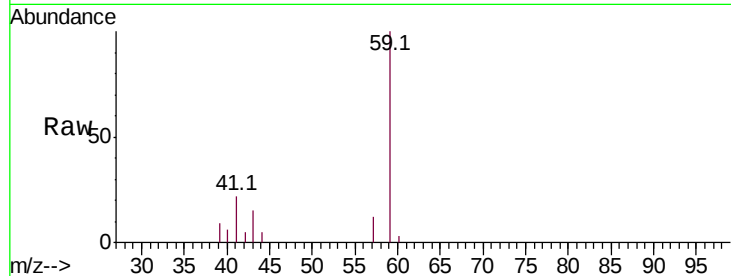
#11
Tert butyl alcohol
Concen: 114.881 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion: 59 Resp: 7008
Ion Ratio Lower Upper
59 100
57 5.0 7.6 11.4#

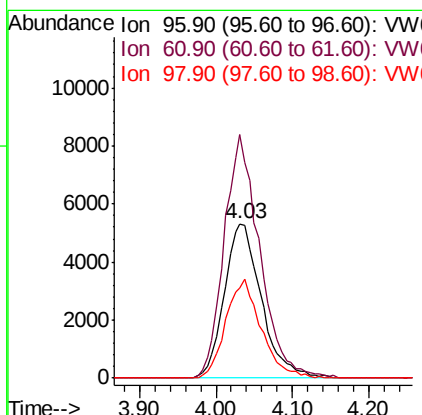
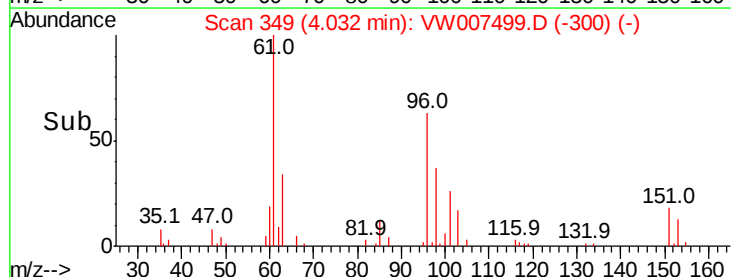
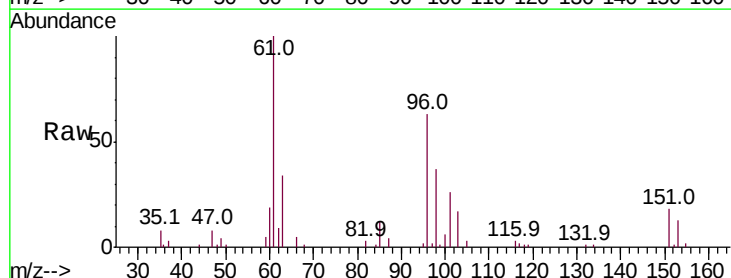
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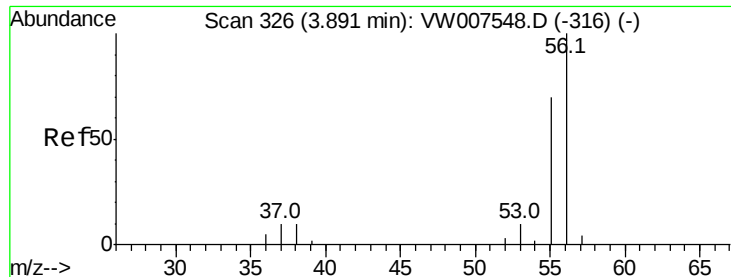
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.649 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 96 Resp: 17788
Ion Ratio Lower Upper
96 100
61 157.9 126.2 189.2
98 58.4 48.3 72.5





#13

Acrolein

Concen: 115.001 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 56 Resp: 4642

Ion Ratio Lower Upper

56 100

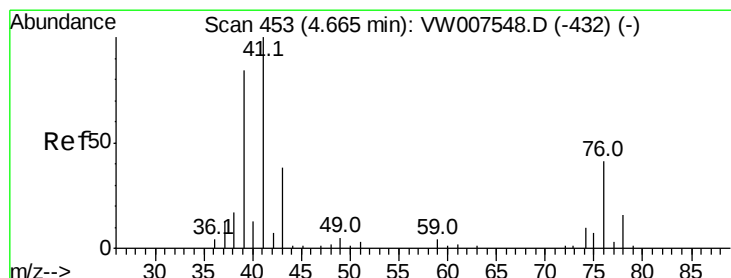
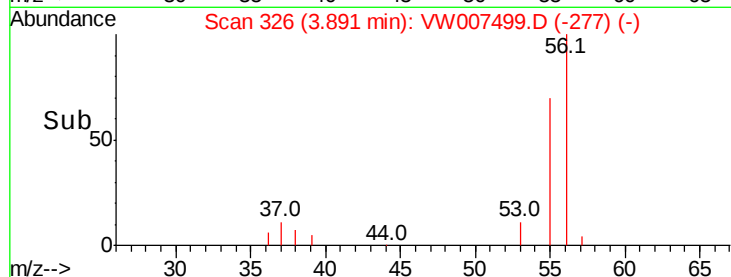
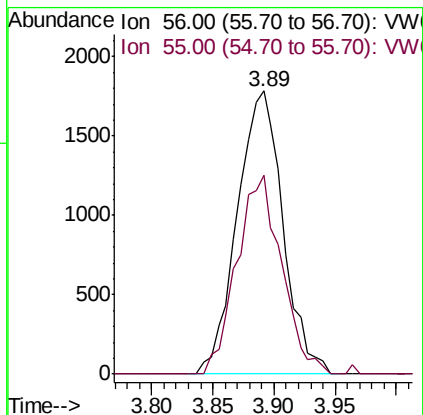
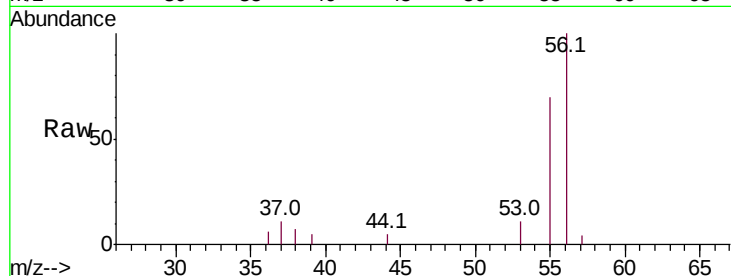
55 68.6 57.4 86.2

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#14

Allyl chloride

Concen: 21.172 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

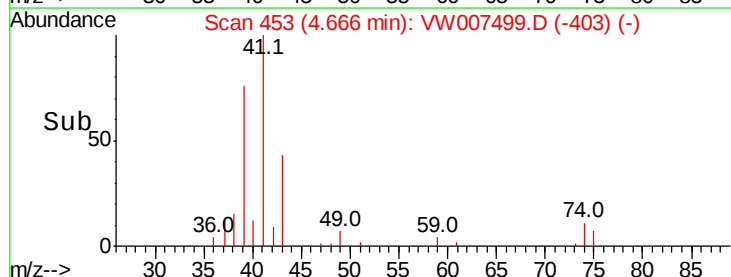
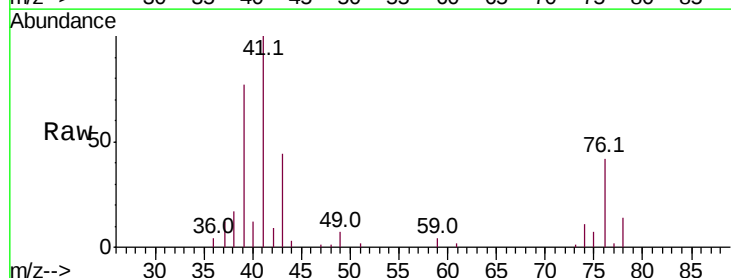
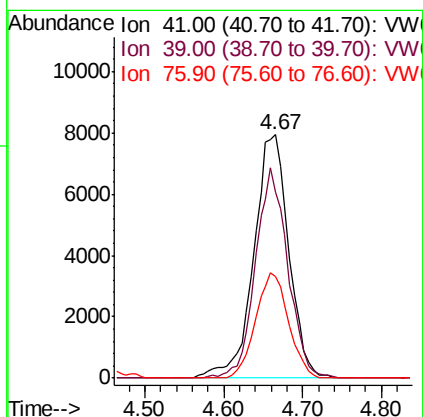
Tgt Ion: 41 Resp: 24510

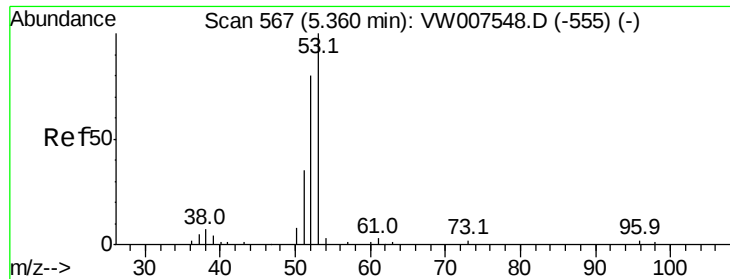
Ion Ratio Lower Upper

41 100

39 79.4 63.4 95.2

76 40.5 32.1 48.1





#15

Acrylonitrile

Concen: 115.724 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

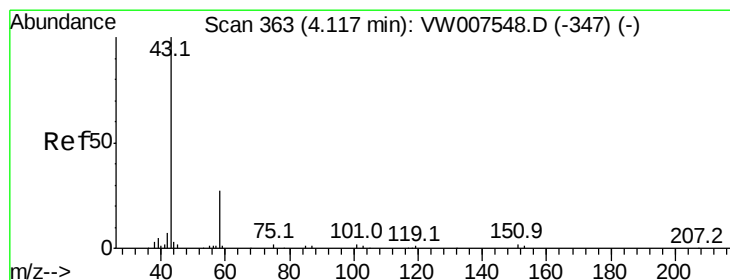
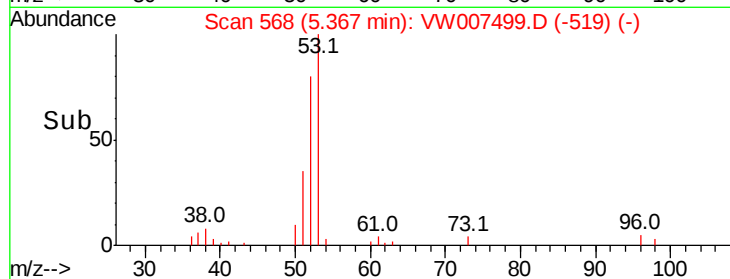
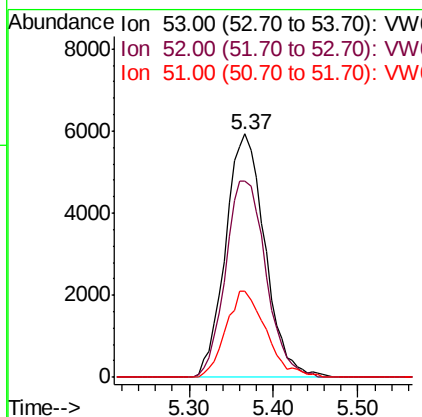
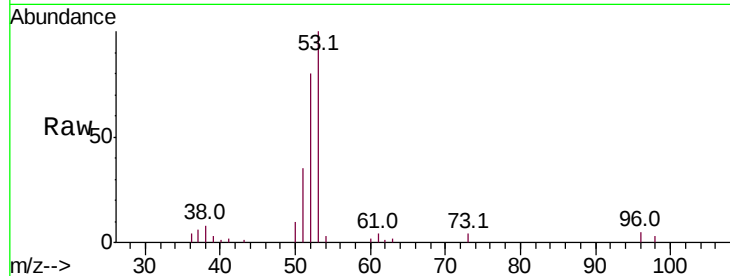
ClientSampleId :

VW1216SBS02

Tot Ion:	53	Resp:	18876
Ion Ratio	Lower	Upper	
53	100		
52	82.5	67.4	101.2
51	36.0	30.2	45.2

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#16

Acetone

Concen: 110.090 ug/l

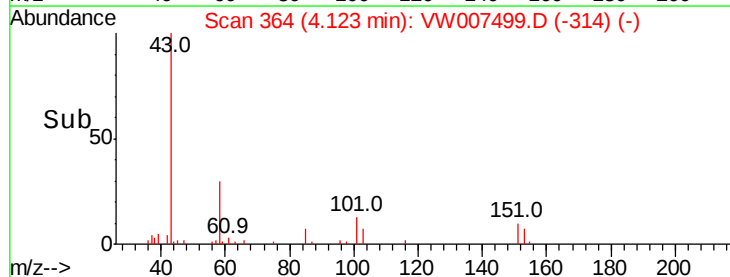
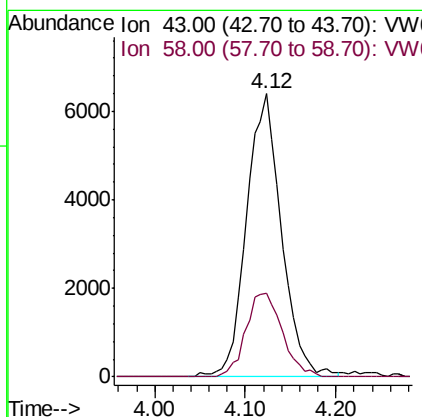
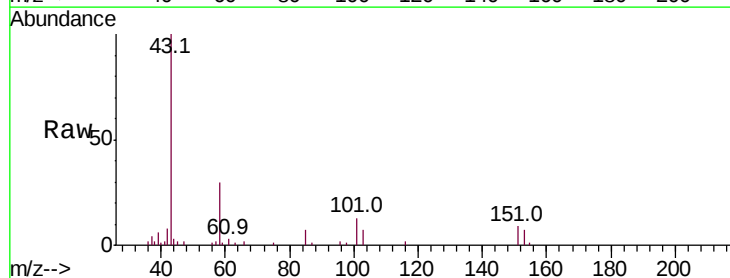
RT: 4.12 min Scan# 364

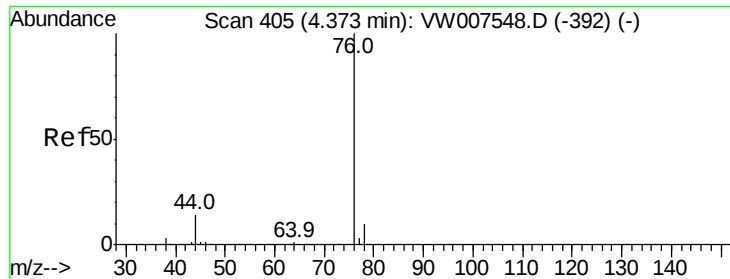
Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion:	43	Resp:	17080
Ion Ratio	Lower	Upper	
43	100		
58	29.7	24.9	37.3





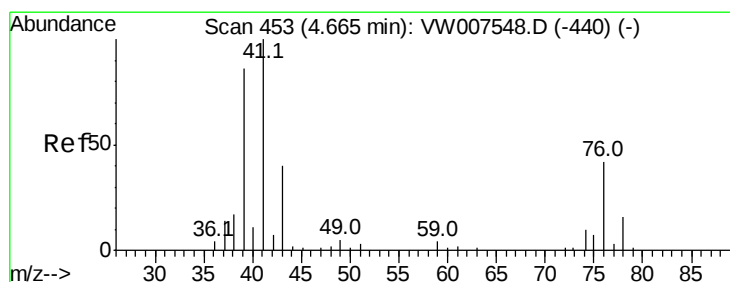
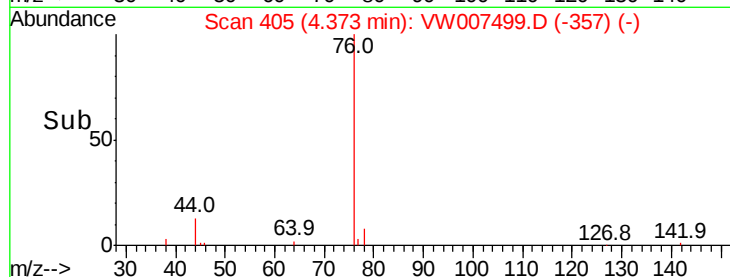
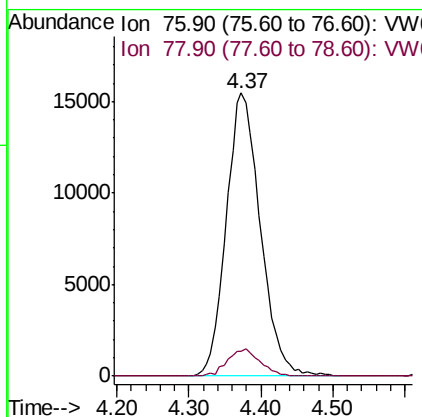
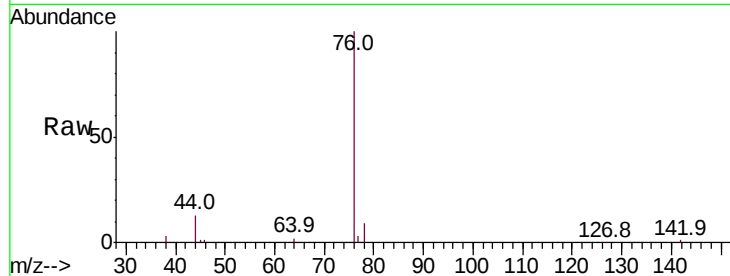
#17
Carbon Disulfide
Concen: 21.335 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

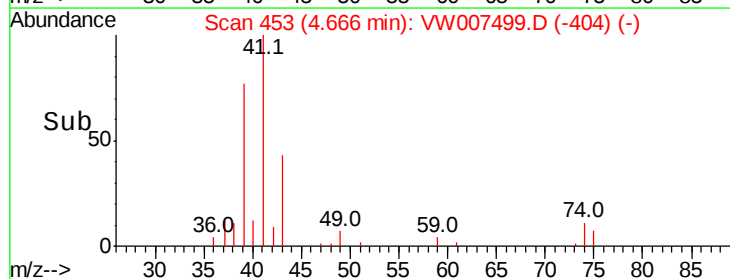
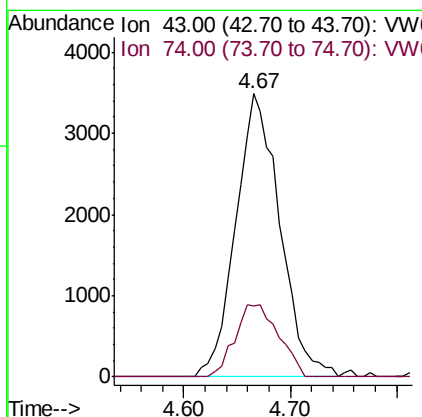
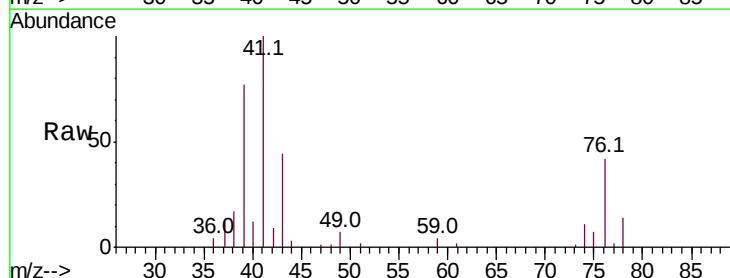
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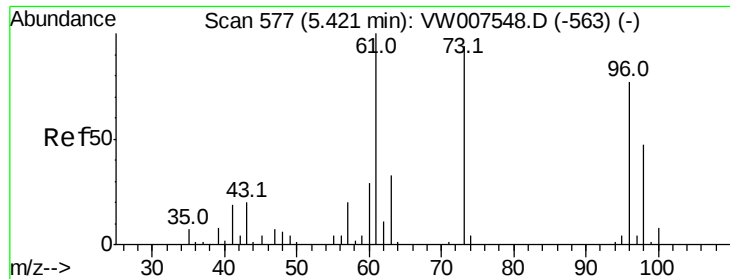
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#18
Methyl Acetate
Concen: 24.029 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	21.1	31.7





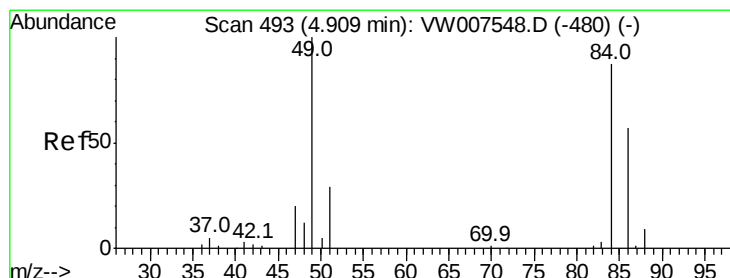
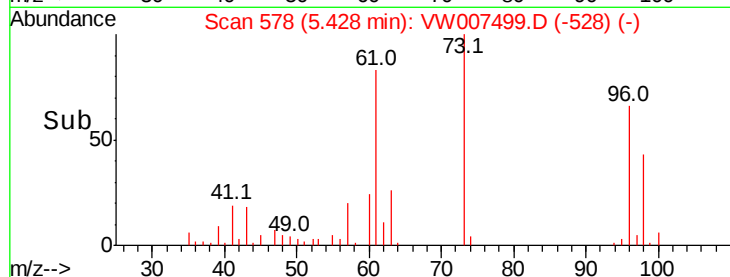
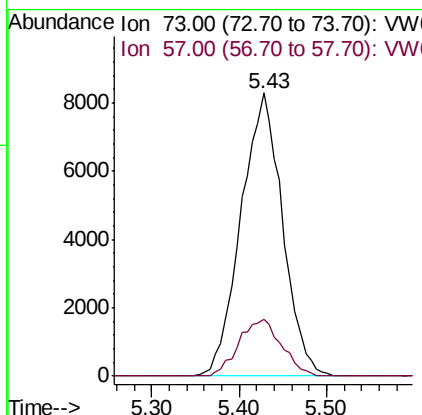
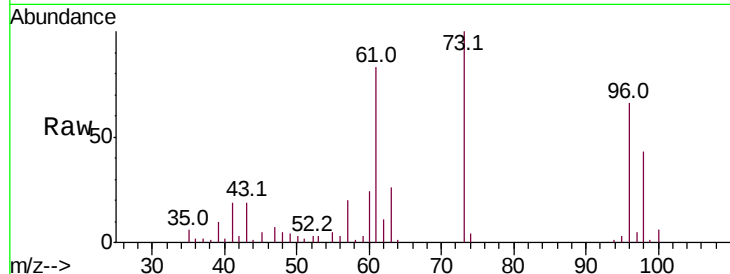
#19
Methyl tert-butyl Ether
Concen: 23.108 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion: 73 Resp: 27378
Ion Ratio Lower Upper
73 100
57 20.1 16.4 24.6

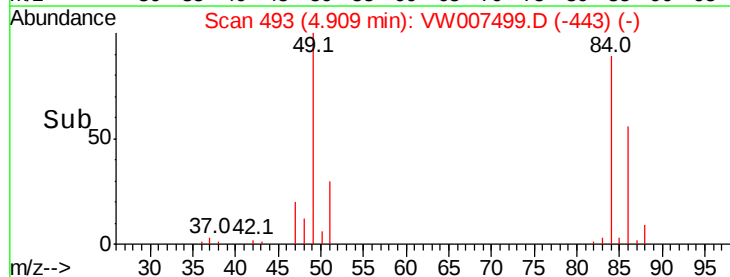
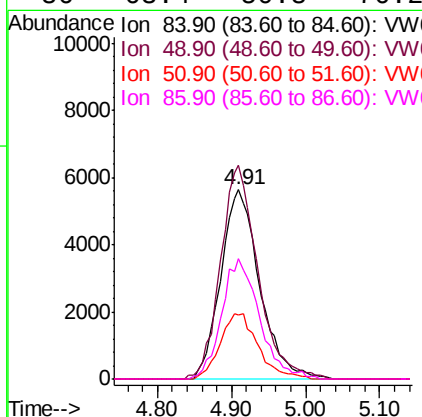
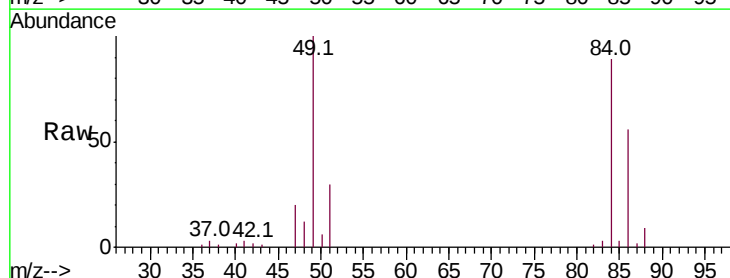
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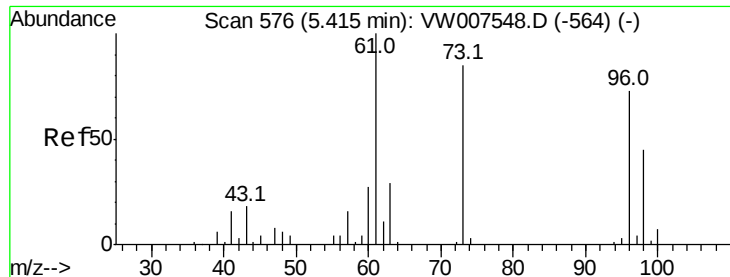
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#20
Methylene Chloride
Concen: 22.005 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 84 Resp: 20531
Ion Ratio Lower Upper
84 100
49 113.0 87.1 130.7
51 33.9 28.2 42.2
86 63.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.142 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 96 Resp: 18575

Ion Ratio Lower Upper

96 100

61 126.8 105.0 157.6

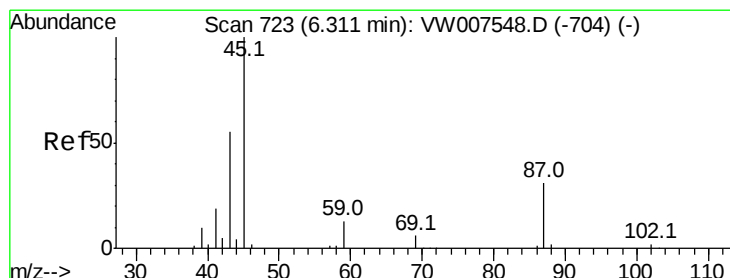
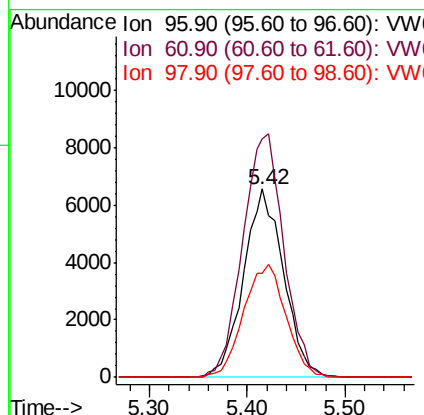
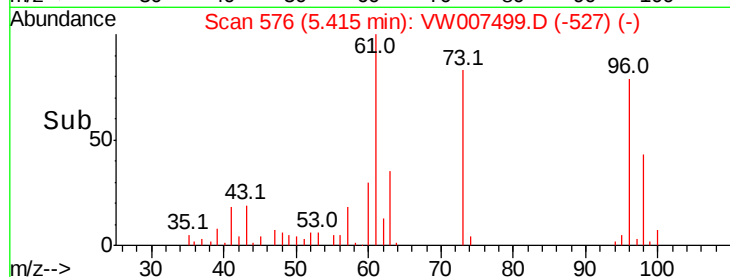
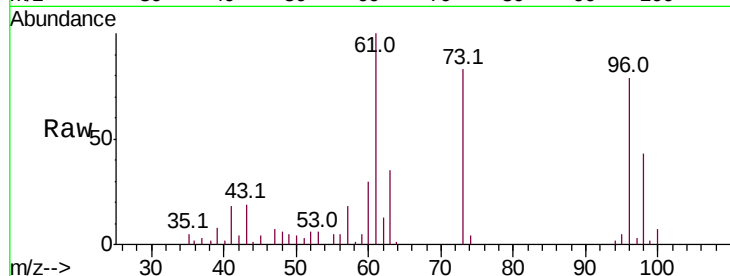
98 55.0 49.7 74.5

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#22

Diisopropyl ether

Concen: 21.483 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion: 45 Resp: 47804

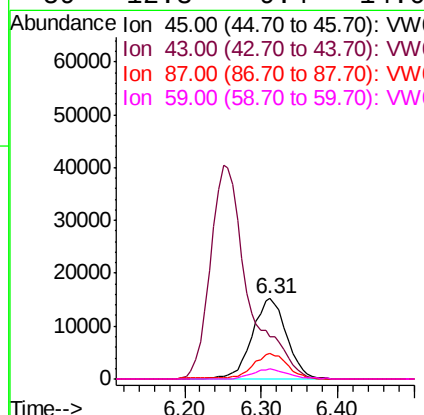
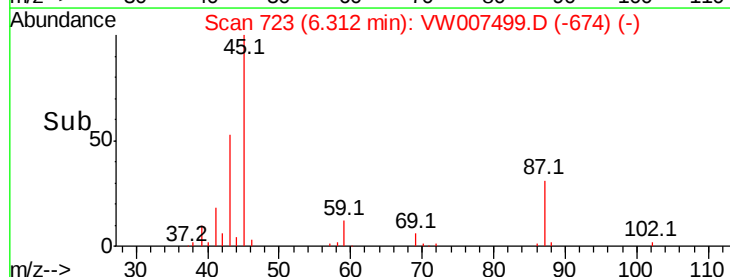
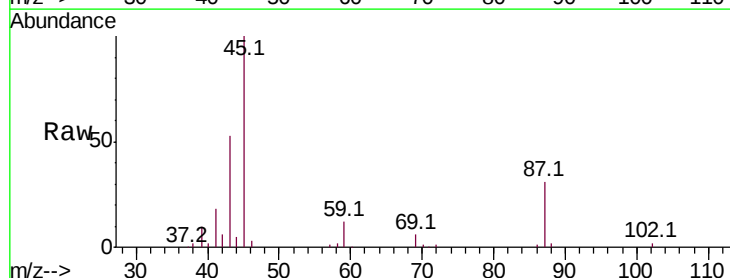
Ion Ratio Lower Upper

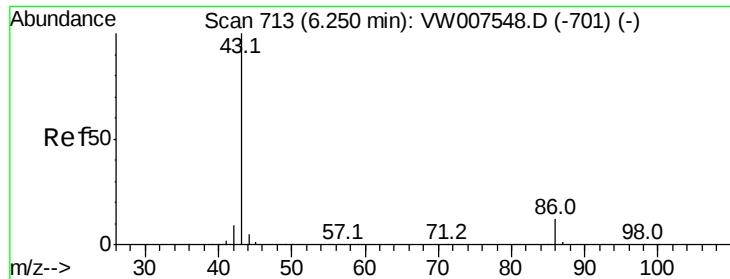
45 100

43 52.5 41.6 62.4

87 31.1 24.3 36.5

59 12.3 9.4 14.0





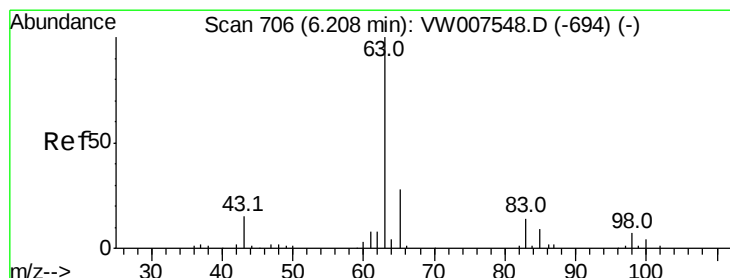
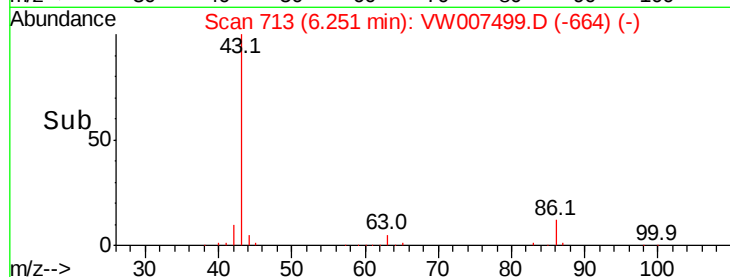
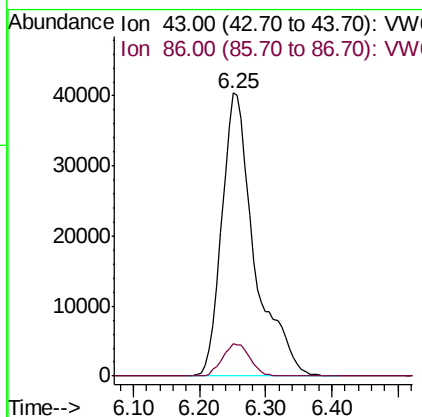
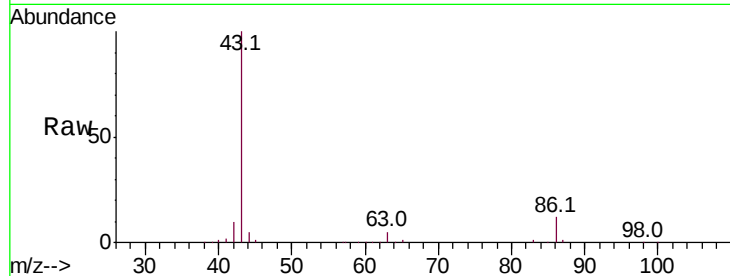
#23
 Vinyl Acetate
 Concen: 111.127 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	43	86	Ratio	100	11.7	Resp	Lower	Upper
43	100							
86		11.7				8.6	12.8	

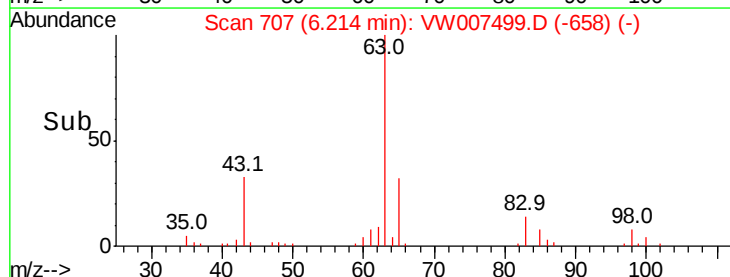
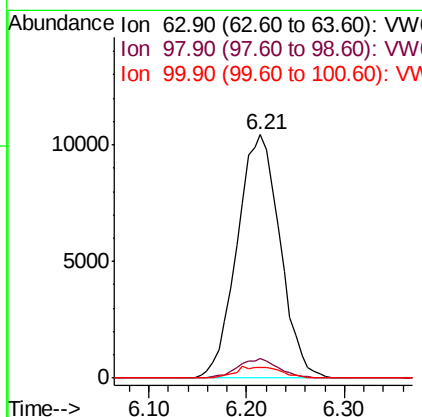
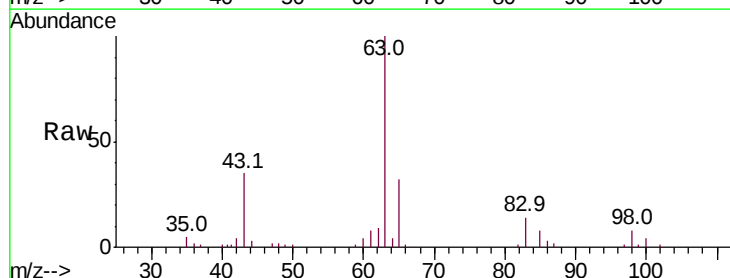
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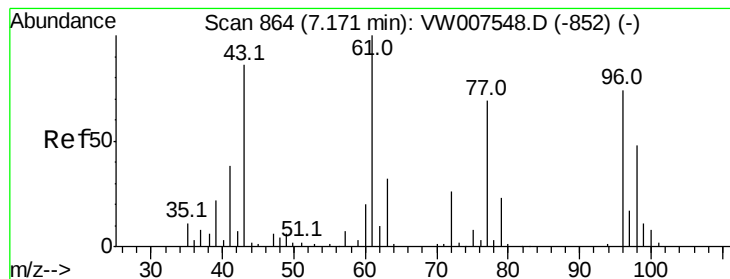
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#24
 1,1-Dichloroethane
 Concen: 21.140 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion	63	98	100	Ratio	100	7.9	4.3	Resp	Lower	Upper
63	100									
98		7.9				3.5	10.4			
100		4.3				2.5	7.5			





#25

2-Butanone

Concen: 114.785 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tot Ion: 43 Resp: 23249

Ion Ratio Lower Upper

43 100

72 28.0 23.4 35.2

Instrument :

MSVOA_W

ClientSampled :

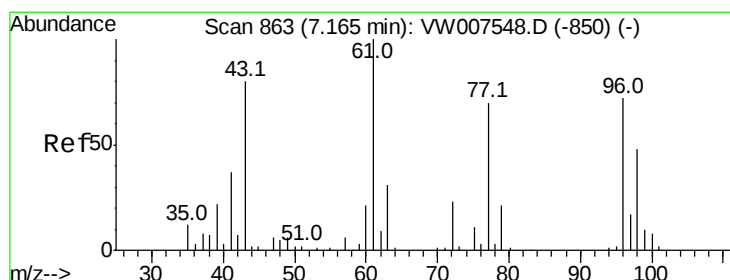
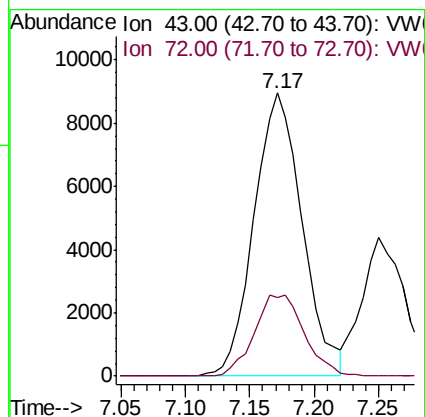
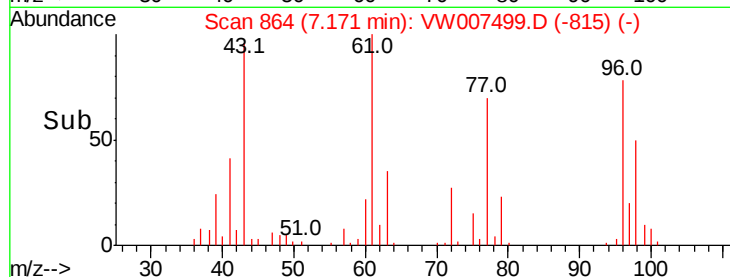
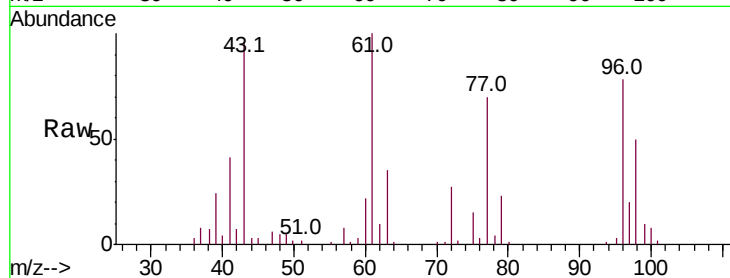
VW1216SBS02

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#26

2,2-Dichloropropane

Concen: 20.612 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007499.D

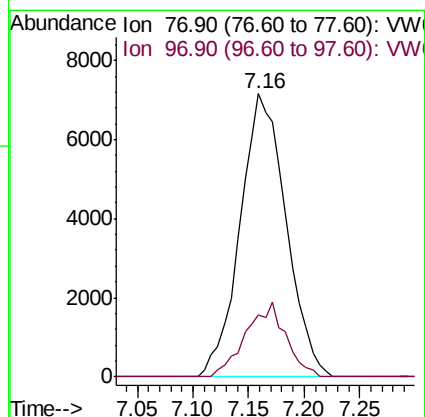
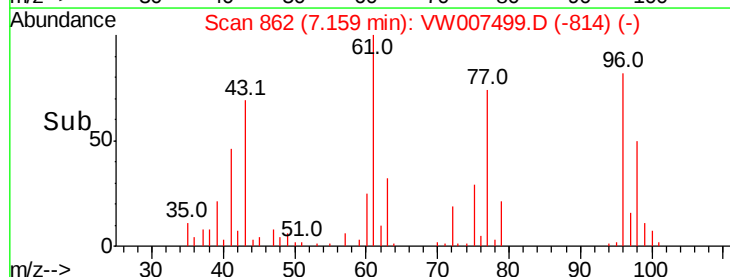
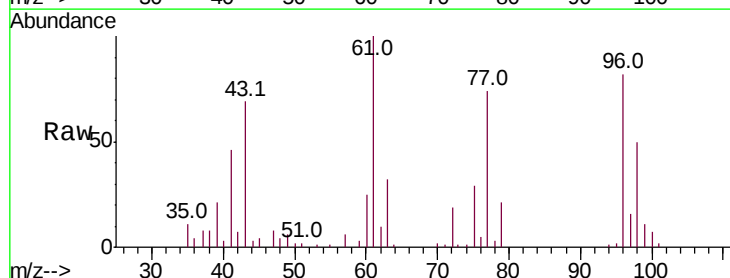
Acq: 13 Dec 2018 22:05

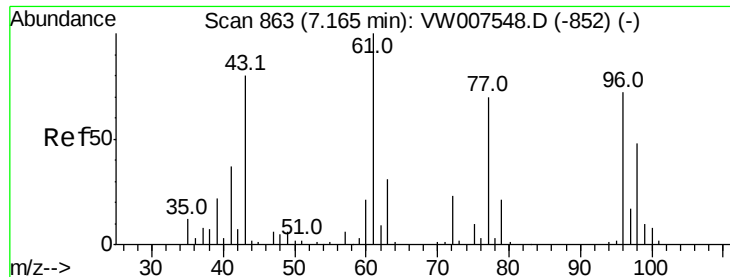
Tgt Ion: 77 Resp: 20516

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.8





#27

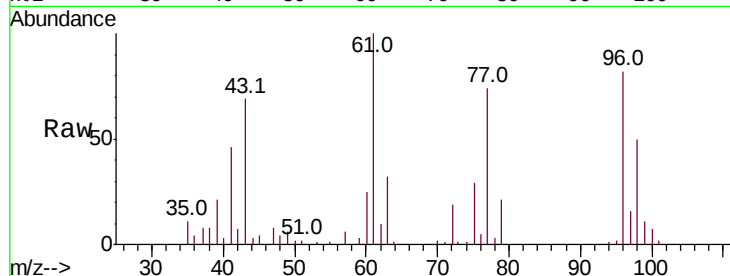
cis-1,2-Dichloroethene
 Concen: 21.583 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

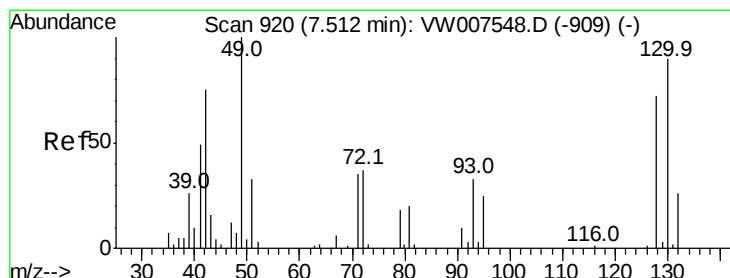
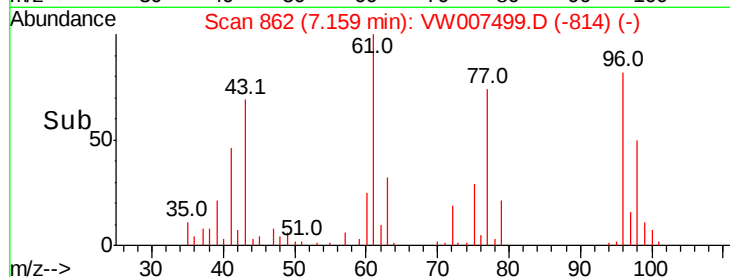
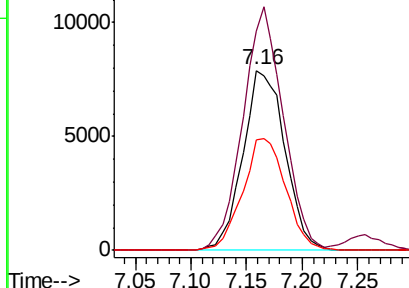
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.3	0.0	268.4
98	63.8	0.0	127.8

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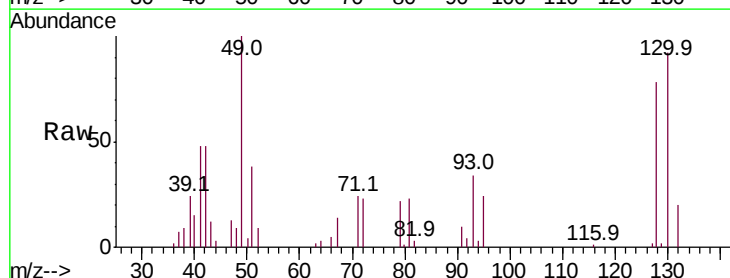
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



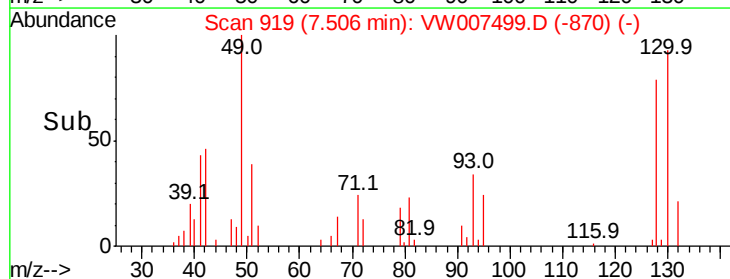
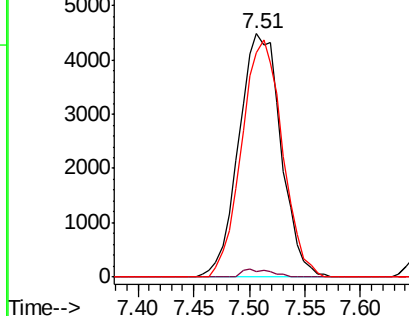
#28

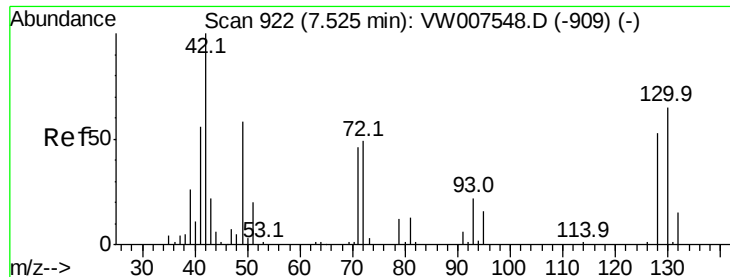
Bromochloromethane
 Concen: 20.914 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.6
130	93.9	75.9	113.9



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





#29

Tetrahydrofuran

Concen: 121.662 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

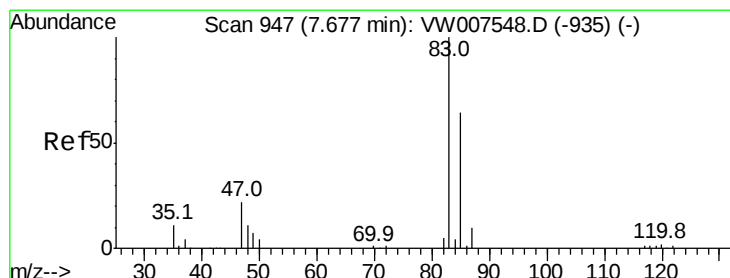
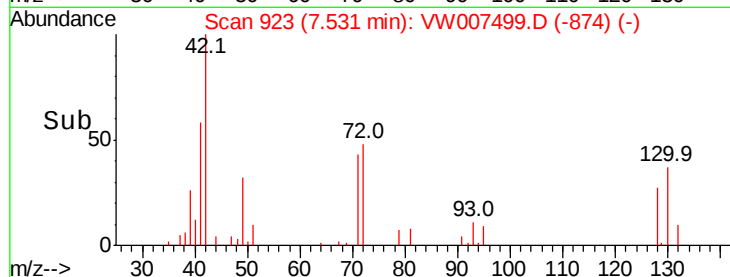
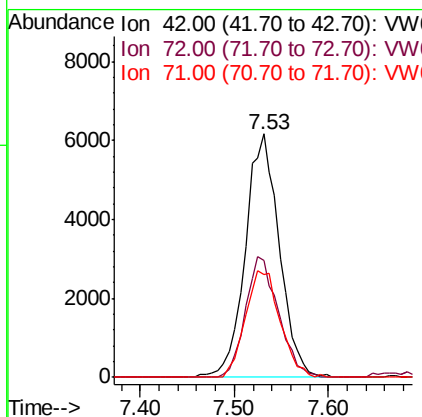
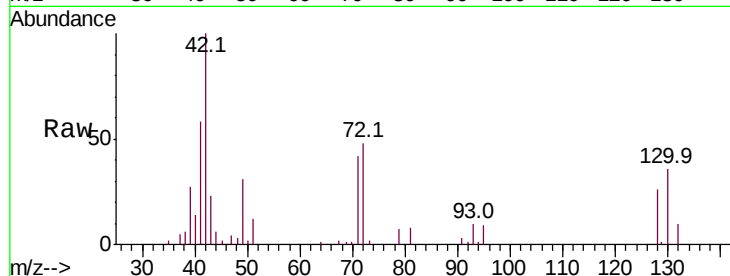
ClientSampleId :

VW1216SBS02

Tot Ion:	42	Resp:	15600
Ion Ratio	Lower	Upper	
42	100		
72	47.9	38.2	57.4
71	44.9	35.5	53.3

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#30

Chloroform

Concen: 21.024 ug/l

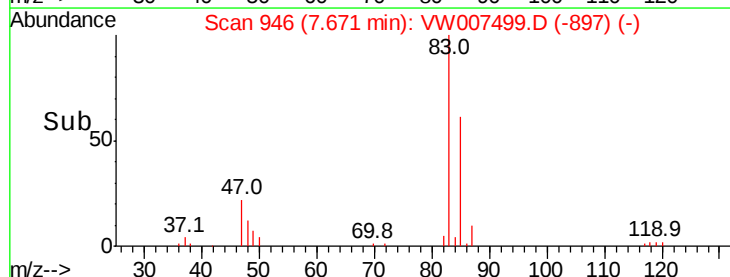
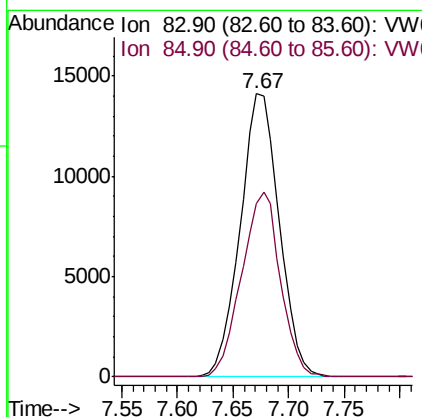
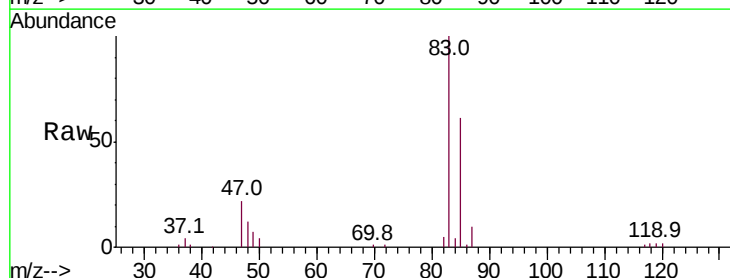
RT: 7.67 min Scan# 946

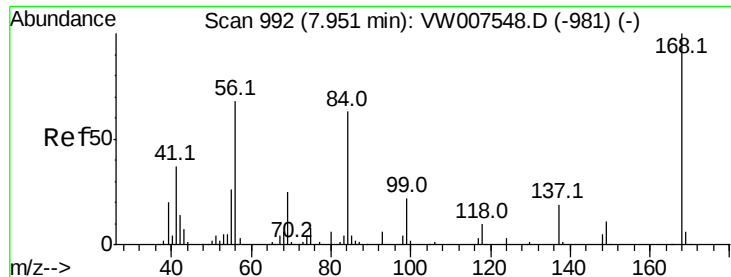
Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion:	83	Resp:	34408
Ion Ratio	Lower	Upper	
83	100		
85	61.3	51.8	77.8





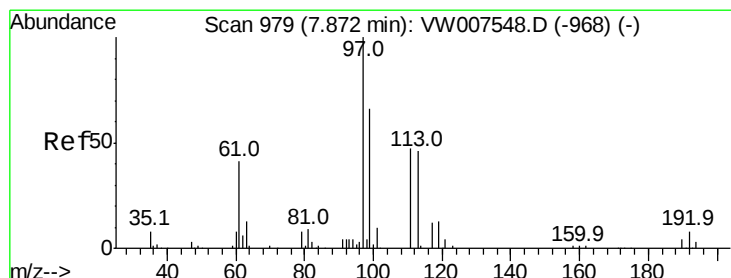
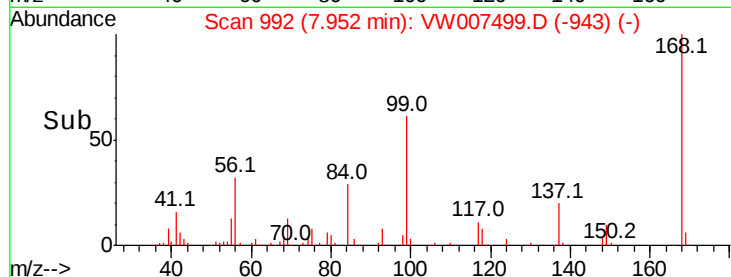
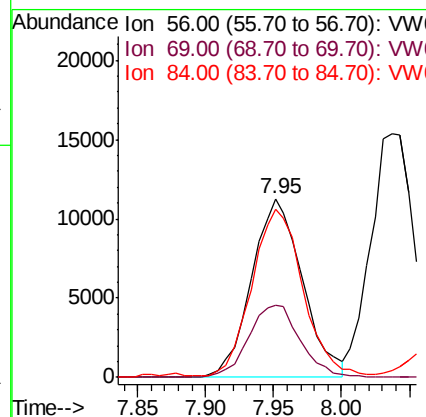
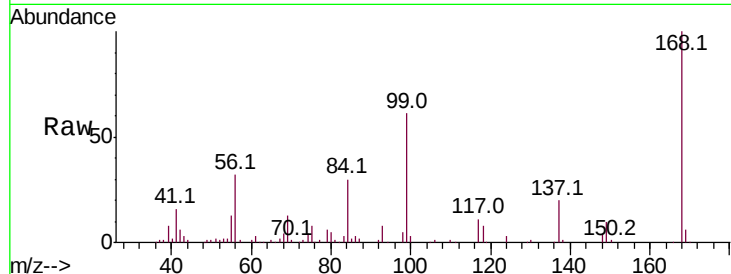
#31
Cyclohexane
Concen: 21.301 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.1	28.9	43.3
84	93.0	71.8	107.6

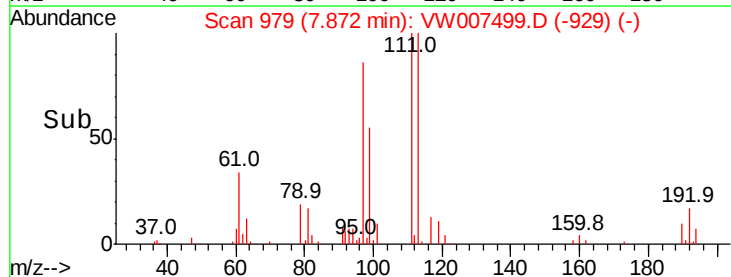
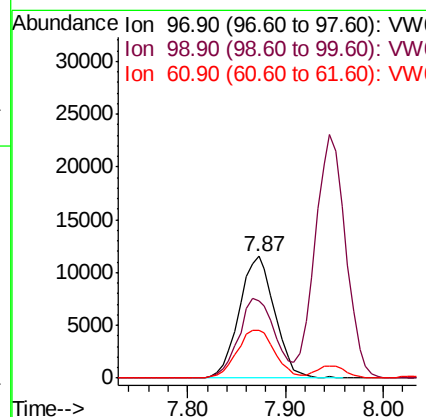
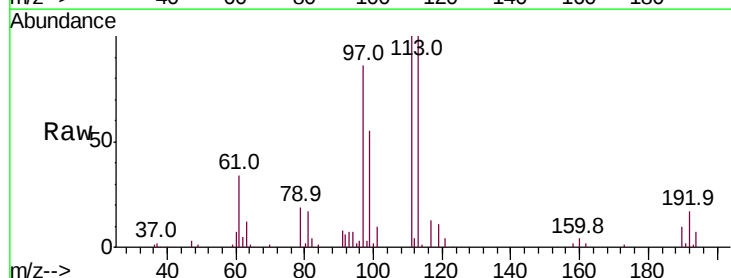
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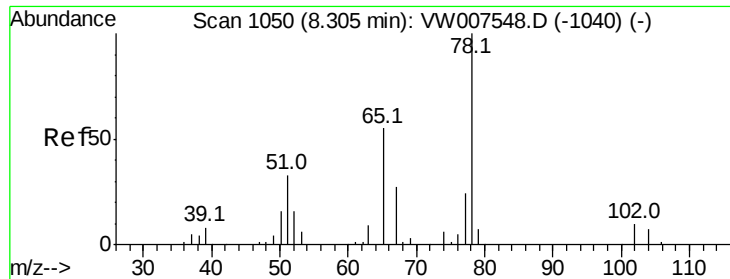
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#32
1,1,1-Trichloroethane
Concen: 20.308 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.1	76.7
61	41.8	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 48.585 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 65 Resp: 43154

Ion Ratio Lower Upper

65 100

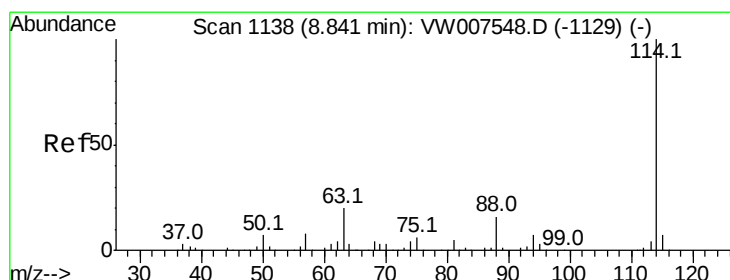
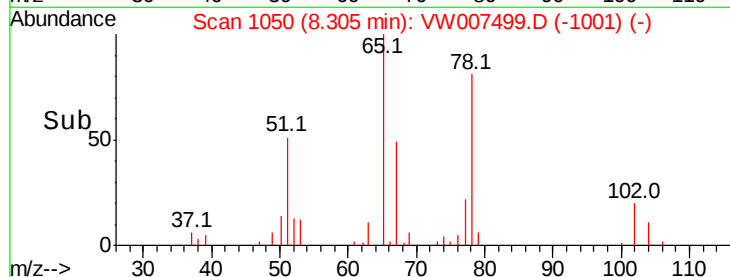
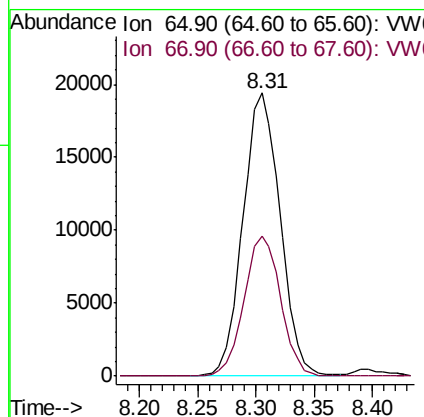
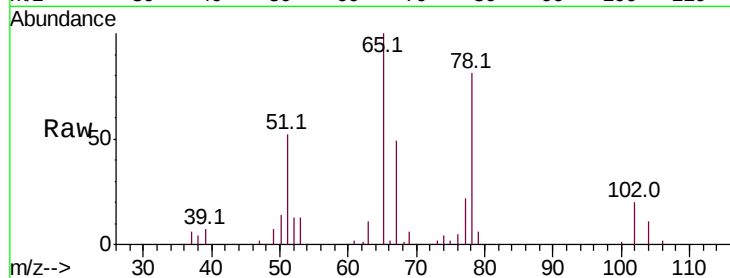
67 48.4 0.0 101.6

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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: VW007499.D

Acq: 13 Dec 2018 22:05

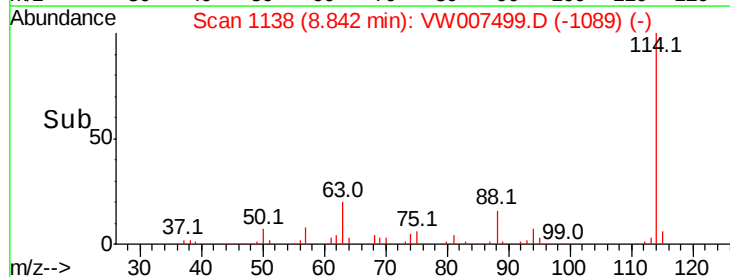
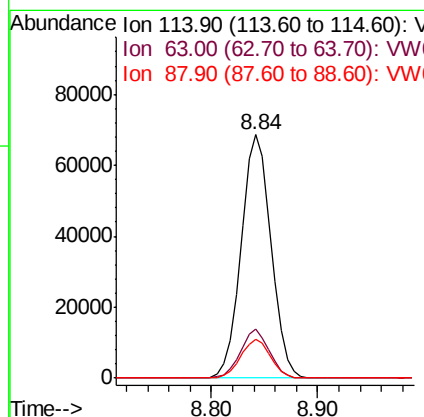
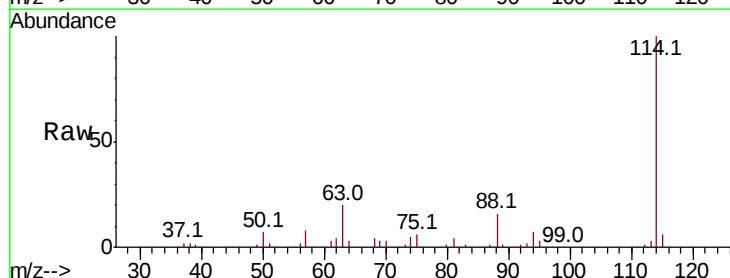
Tgt Ion: 114 Resp: 135214

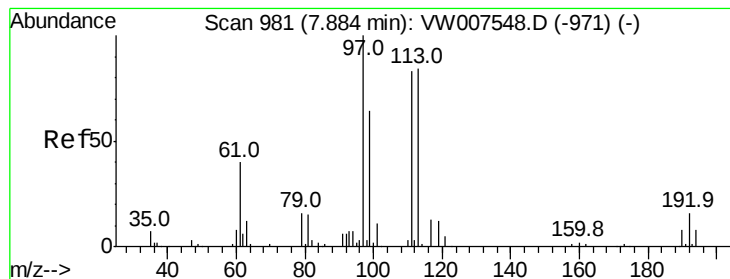
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.305 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

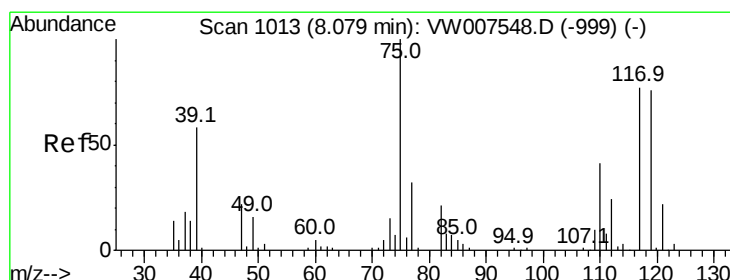
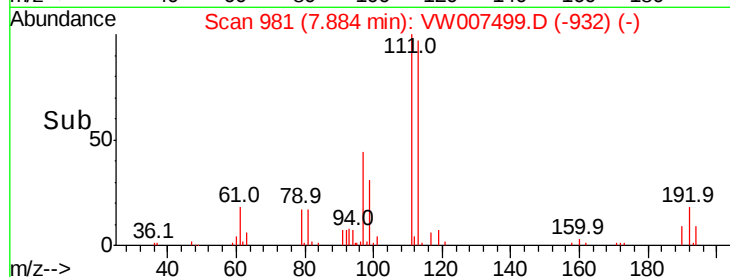
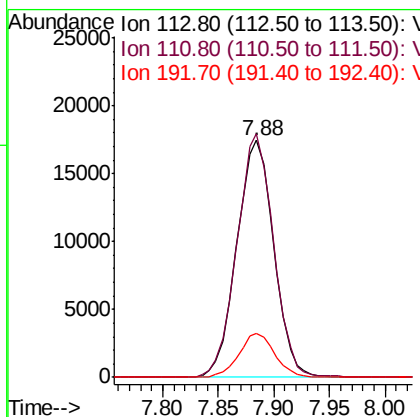
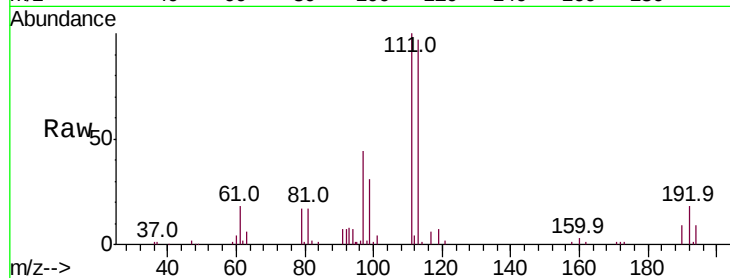
ClientSampleId :

VW1216SBS02

Tot Ion:	113	Resp:	40356
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.1	121.7
192	17.9	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 21.195 ug/l

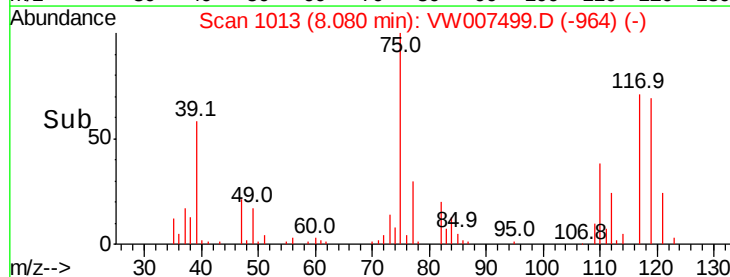
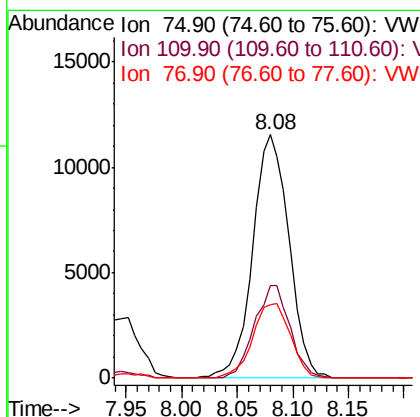
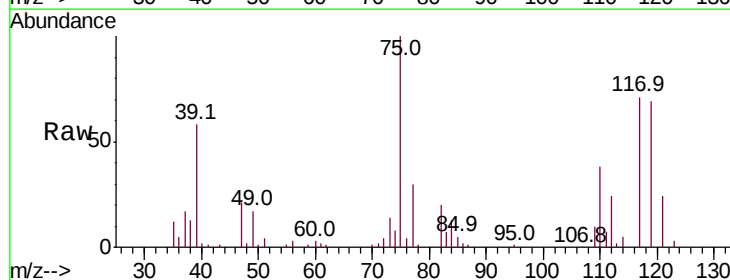
RT: 8.08 min Scan# 1013

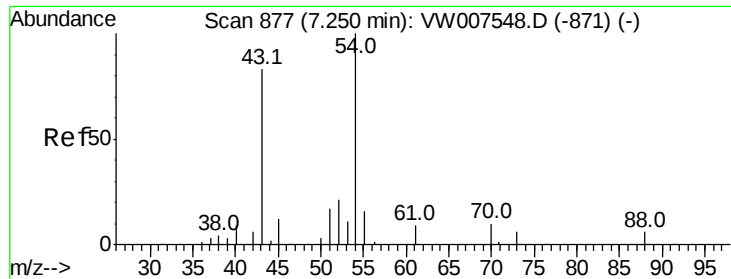
Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion:	75	Resp:	26143
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.5	55.5
77	31.9	25.6	38.4





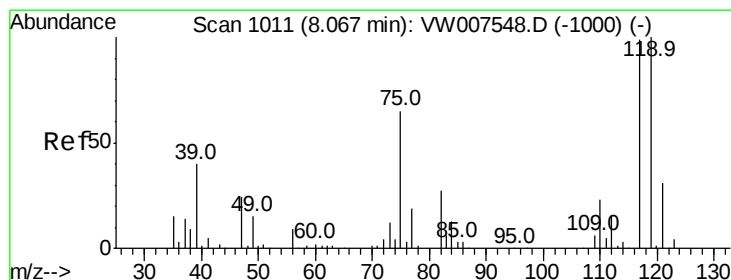
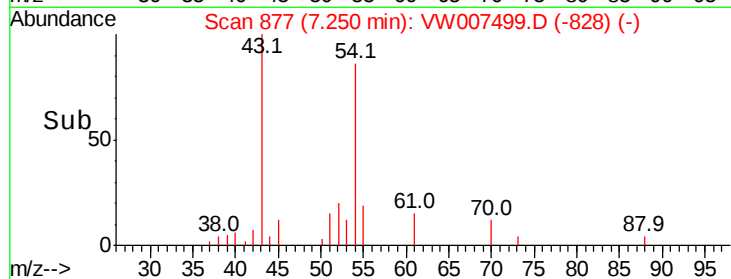
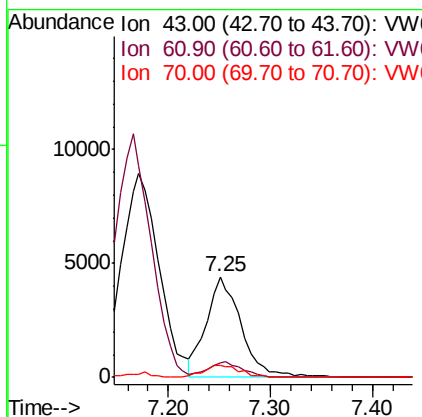
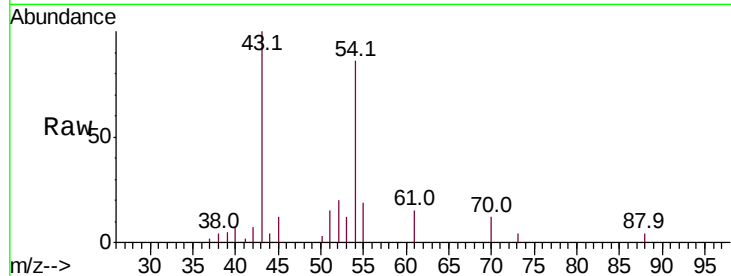
#37
Ethyl Acetate
Concen: 23.042 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.1	18.1
70	12.2	10.0	15.0

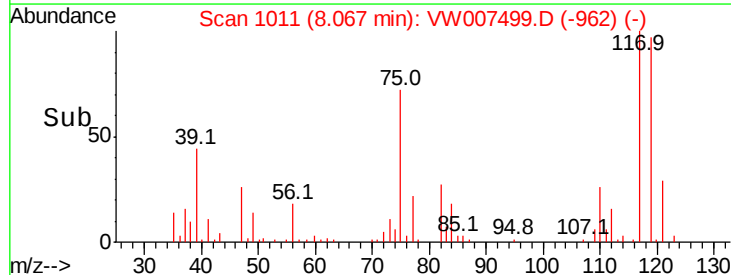
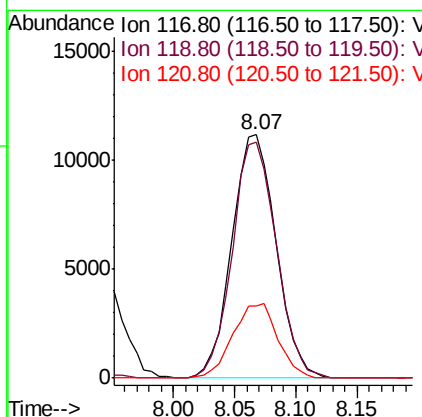
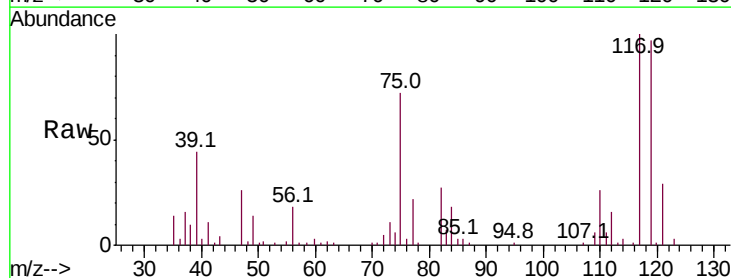
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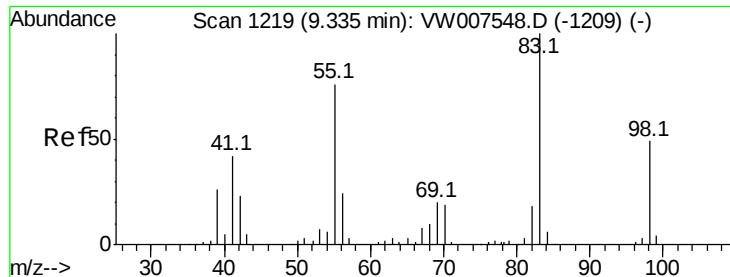
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#38
Carbon Tetrachloride
Concen: 20.874 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	74.3	111.5
121	29.5	24.3	36.5





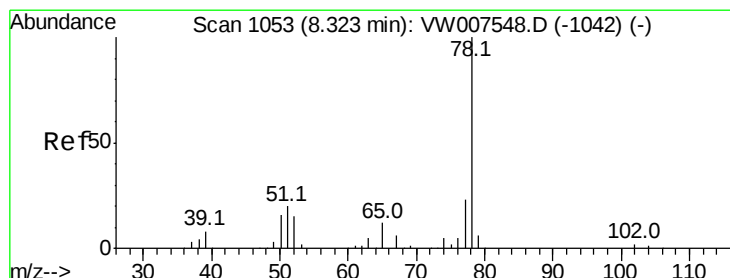
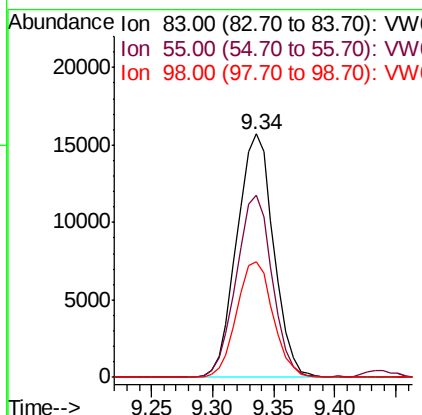
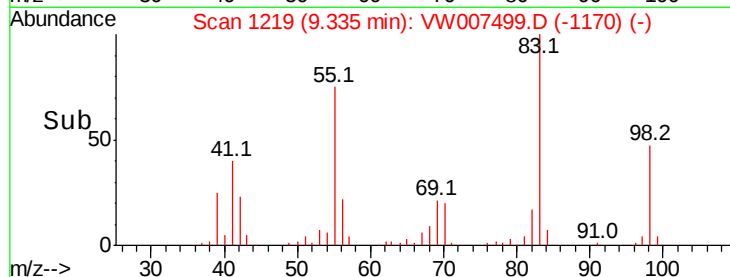
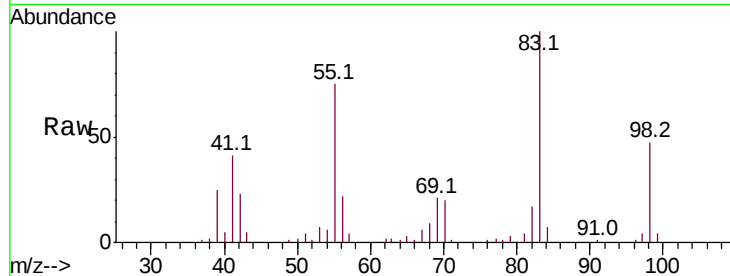
#39
Methvlcvclohexane
Concen: 22.033 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	62.8	94.2
98	47.4	42.2	63.2

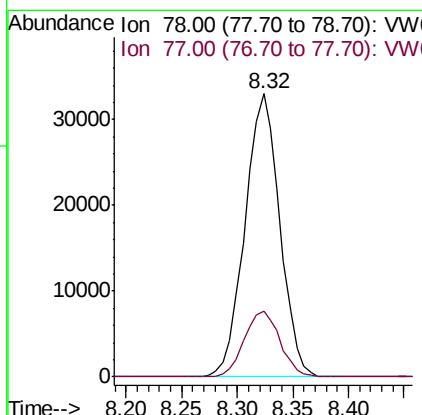
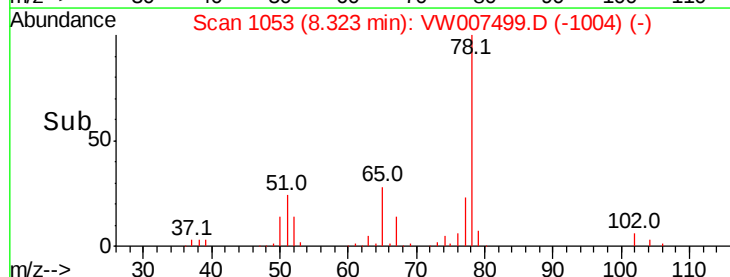
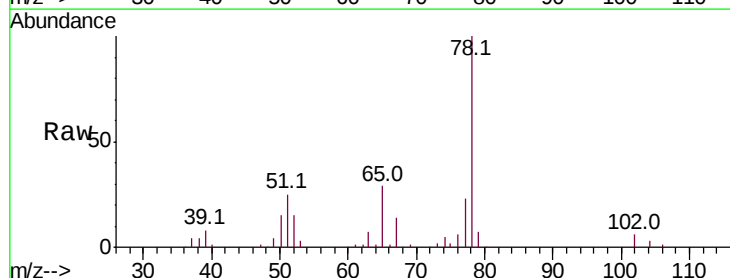
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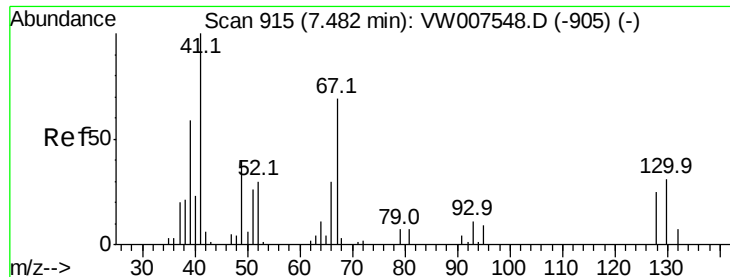
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#40
Benzene
Concen: 20.973 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





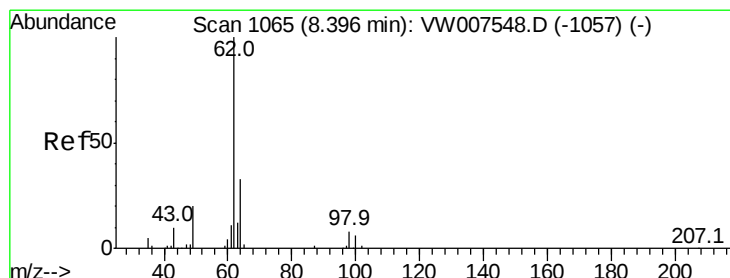
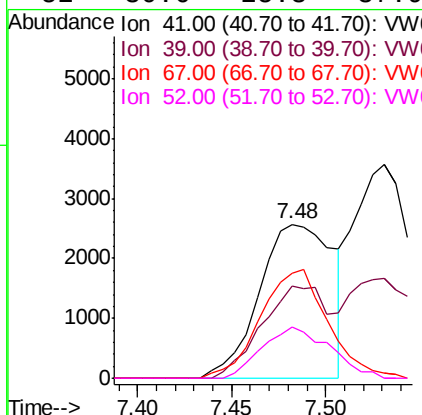
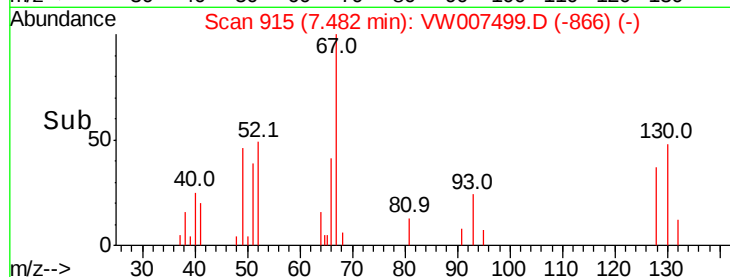
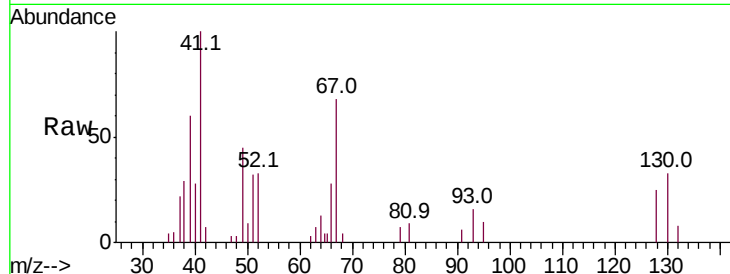
#41
Methacrylonitrile
Concen: 26.748 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.3	52.2	78.2#
67	64.1	60.5	90.7
52	30.6	25.3	37.9

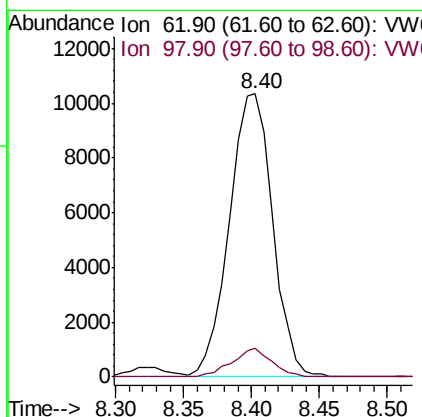
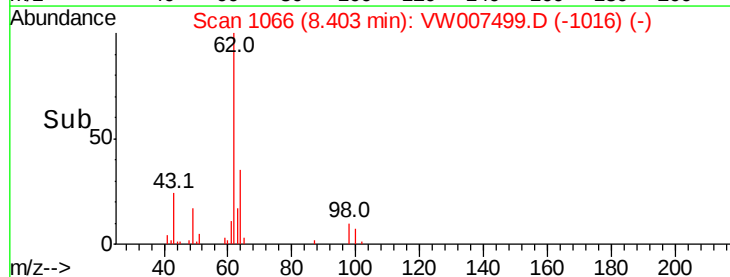
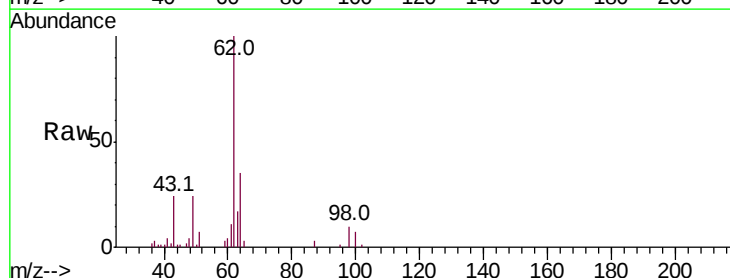
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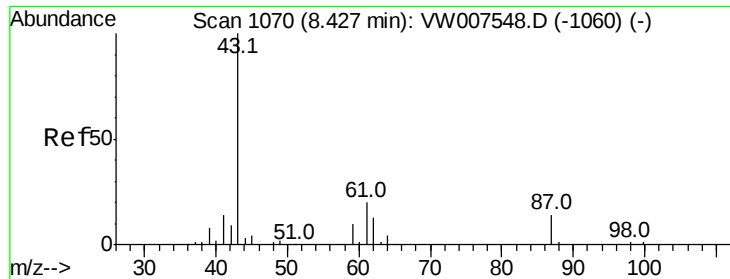
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#42
1,2-Dichloroethane
Concen: 21.322 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.6





#43

Isopropyl Acetate

Concen: 23.272 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

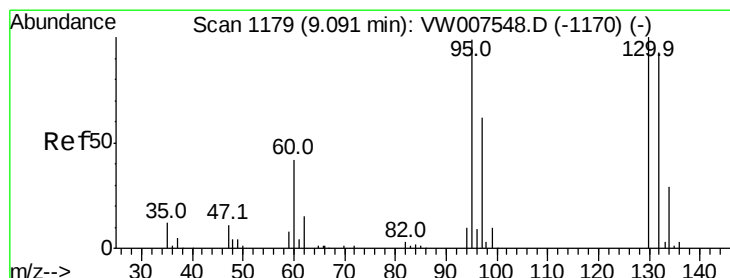
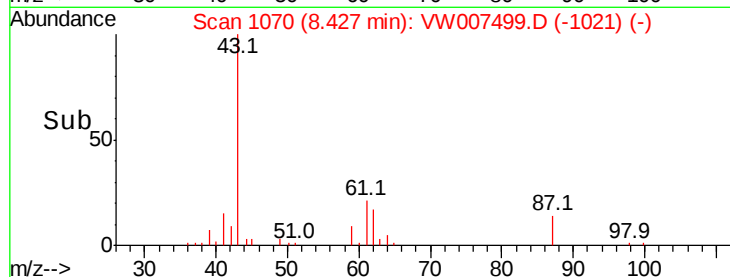
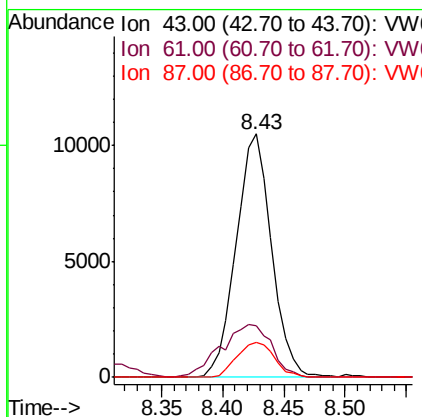
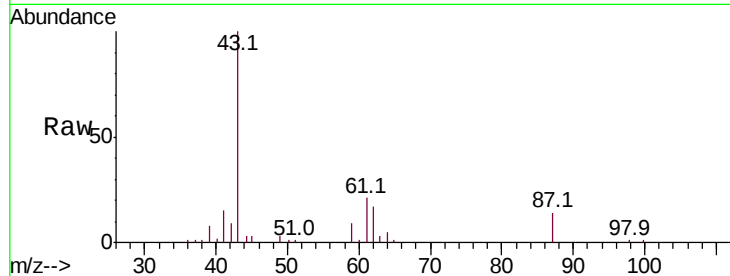
ClientSampleId :

VW1216SBS02

Tot Ion:	43	Resp:	21089
Ion	Ratio	Lower	Upper
43	100		
61	31.1	25.3	37.9
87	15.2	11.8	17.8

Manual Integrations
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#44

Trichloroethene

Concen: 21.341 ug/l

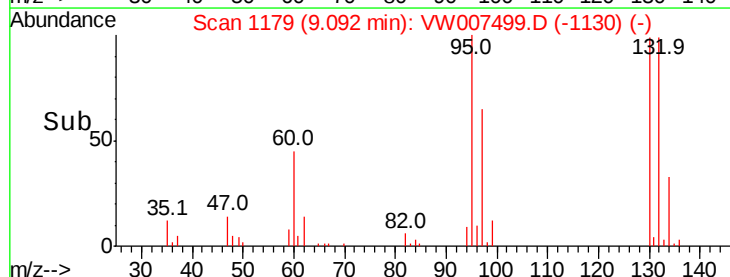
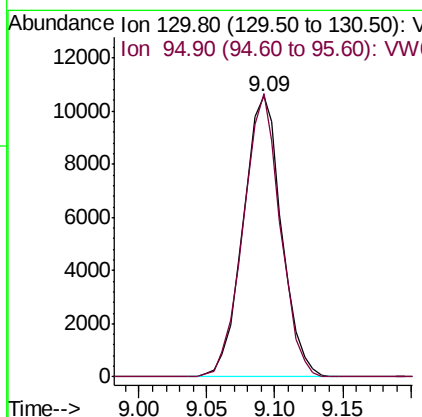
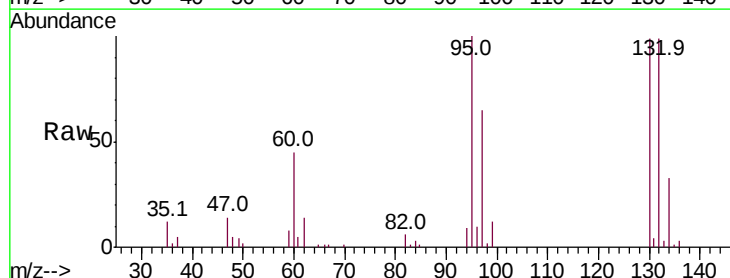
RT: 9.09 min Scan# 1179

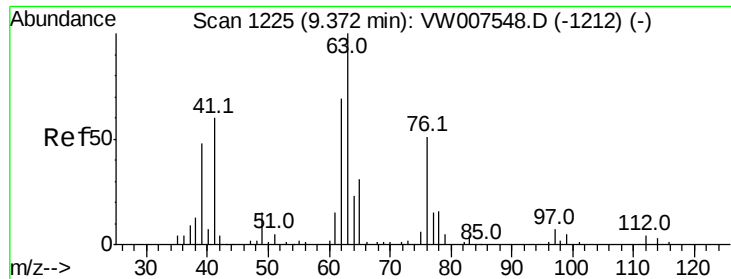
Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion:	130	Resp:	20861
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	193.2





#45

1,2-Dichloropropane

Concen: 21.632 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 63 Resp: 17136

Ion Ratio Lower Upper

63 100

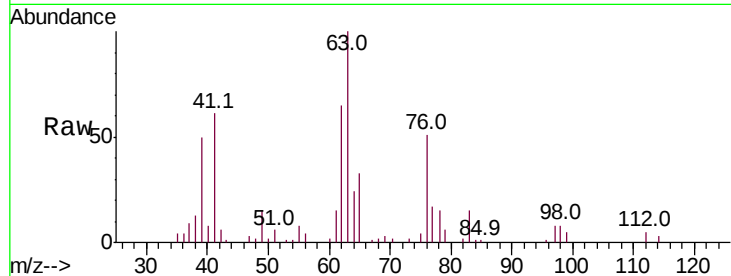
65 33.5 24.4 36.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

10000

8000

6000

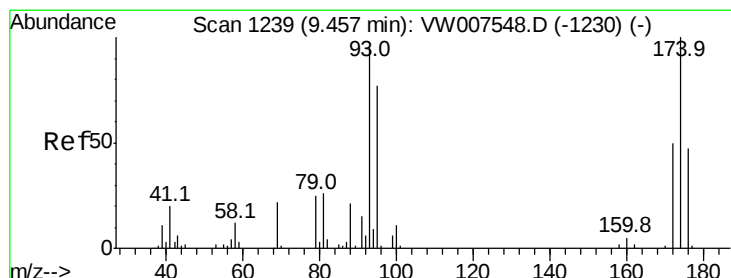
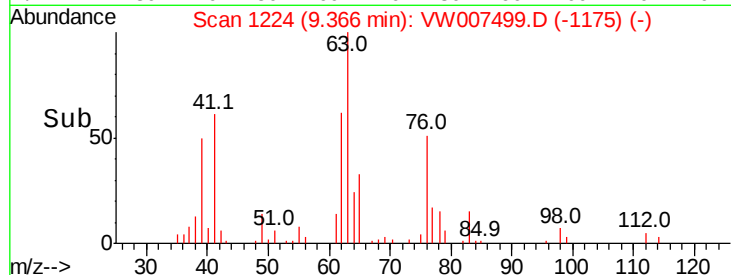
4000

2000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 22.525 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

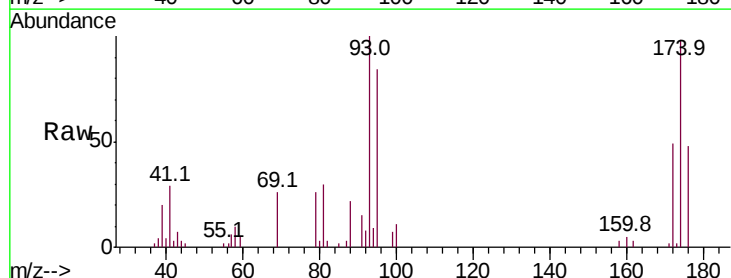
Tgt Ion: 93 Resp: 10133

Ion Ratio Lower Upper

93 100

95 80.9 68.0 102.0

174 98.9 83.2 124.8



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

6000

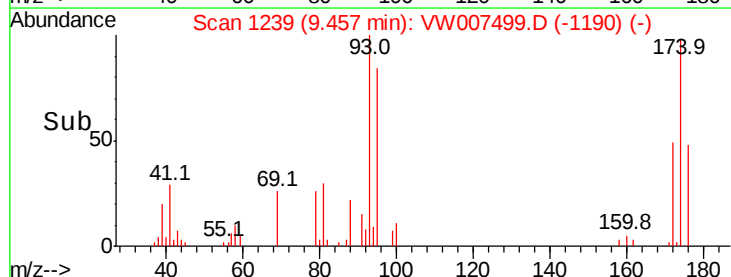
4000

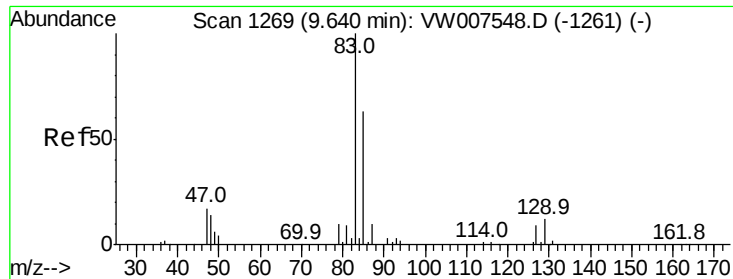
2000

0

9.40 9.45 9.50

Time-->





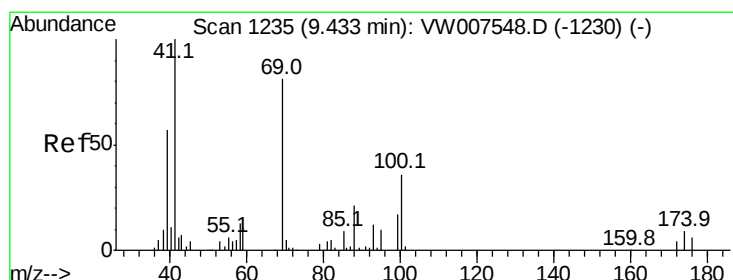
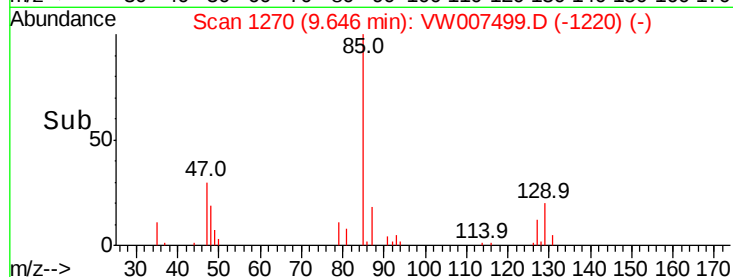
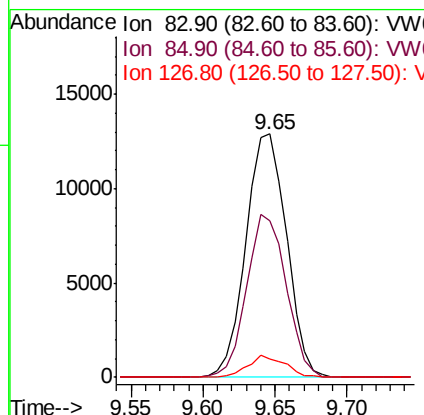
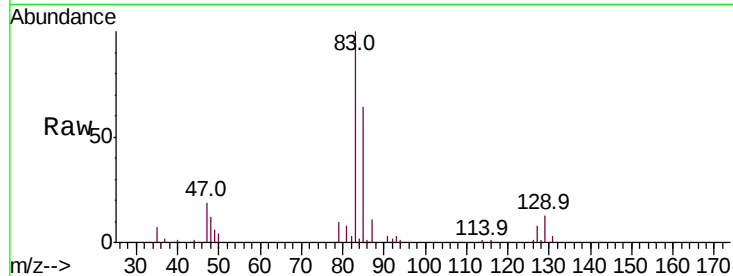
#47
Bromodichloromethane
Concen: 21.340 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.1	47.6	71.4	
127	7.7	6.7	10.1	

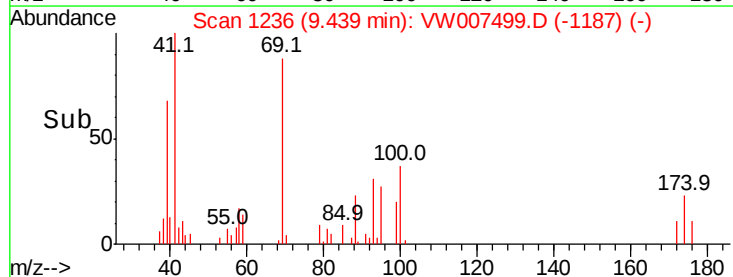
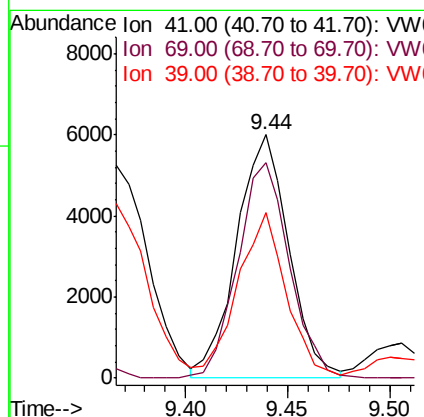
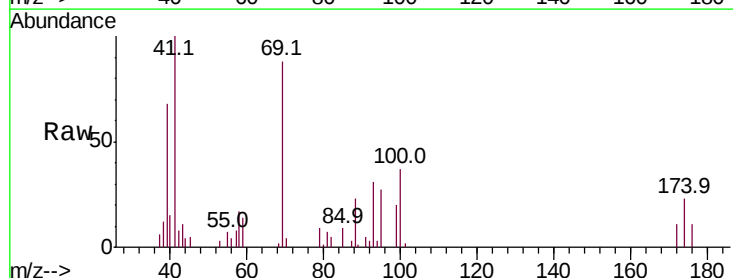
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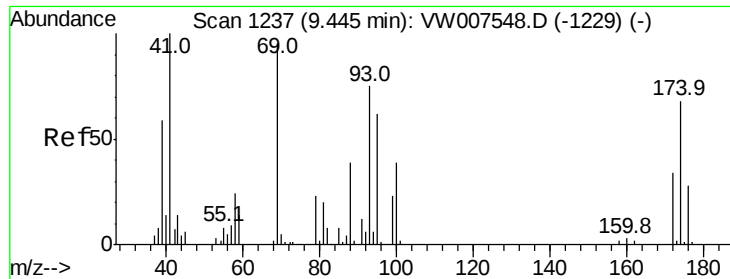
MMDadoda
12/24/2018 12:18:19 PM



#48
Methyl methacrylate
Concen: 22.952 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.6	69.8	104.8	
39	64.2	50.9	76.3	





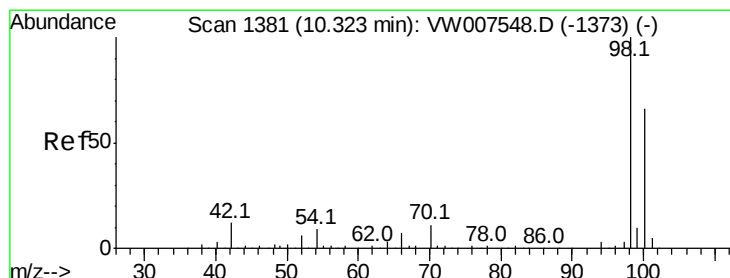
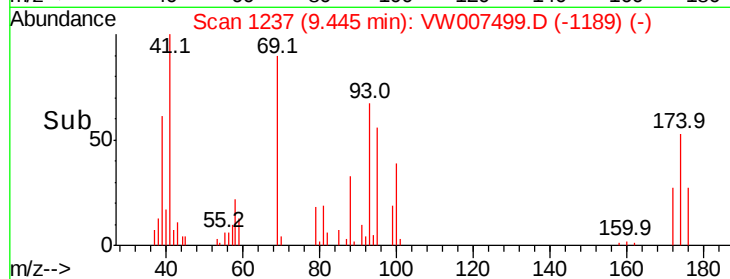
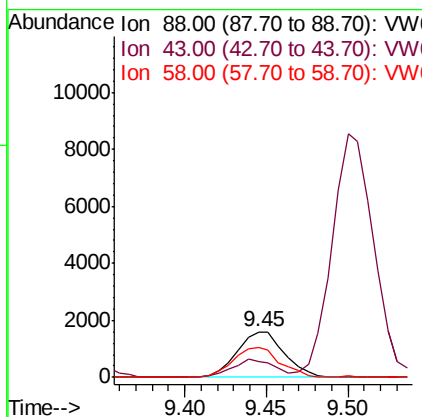
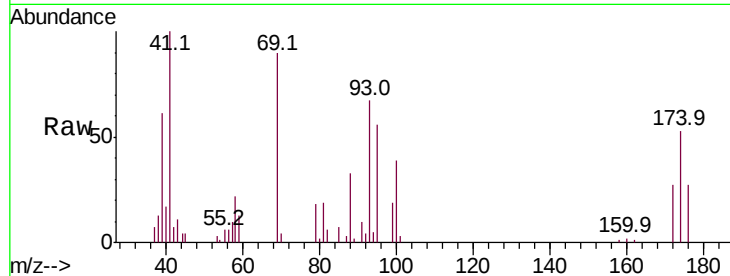
#49
1,4-Dioxane
Concen: 443.207 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	25.0	37.4
58	65.1	51.4	77.2

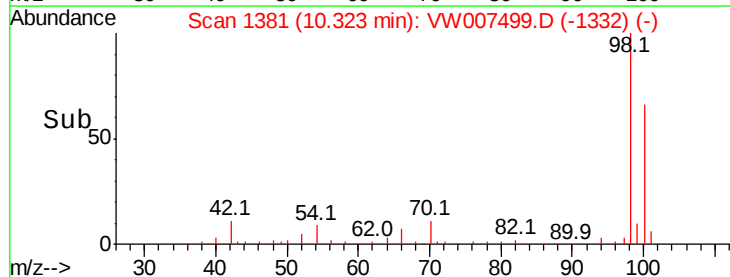
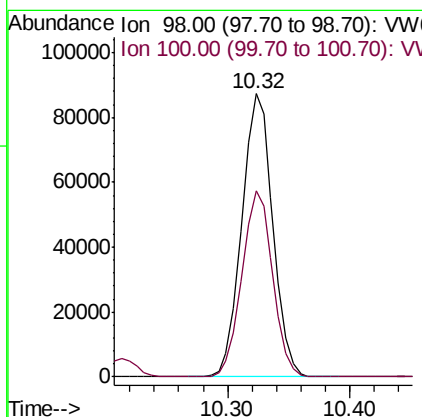
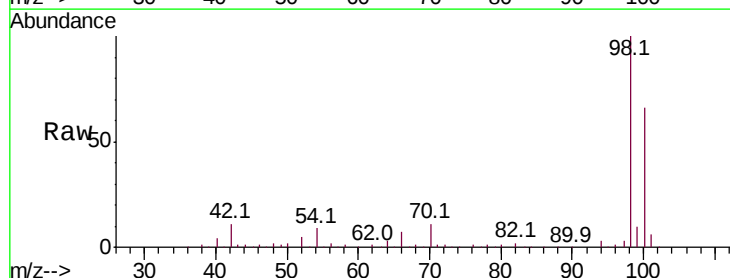
Manual Integrations
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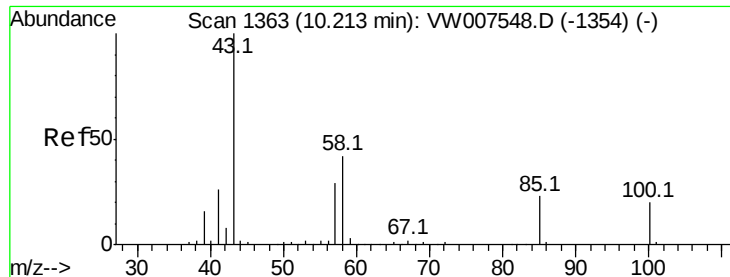
MMDadoda
12/24/2018 12:18:19 PM



#50
Toluene-d8
Concen: 49.777 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 122.234 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 43 Resp: 52339

Ion Ratio Lower Upper

43 100

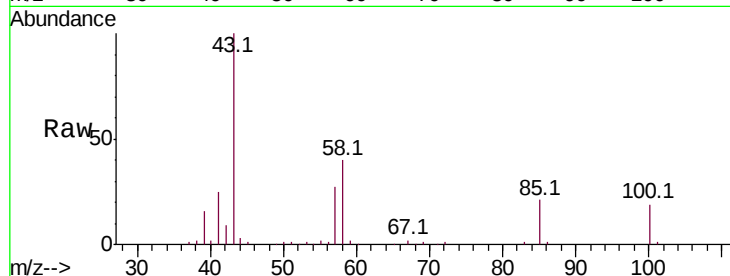
58 39.3 33.1 49.7

Manual Integrations

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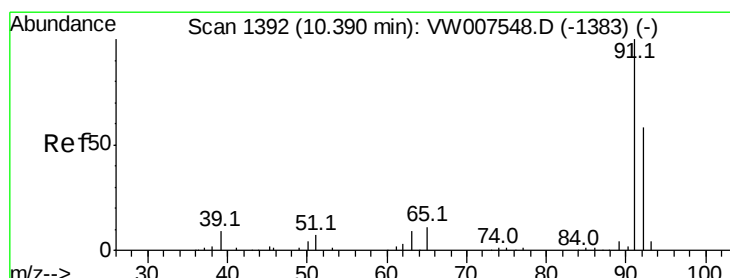
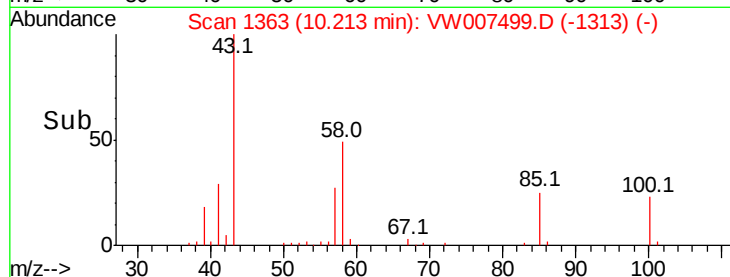
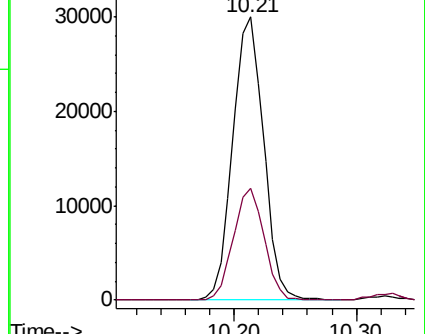
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.793 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007499.D

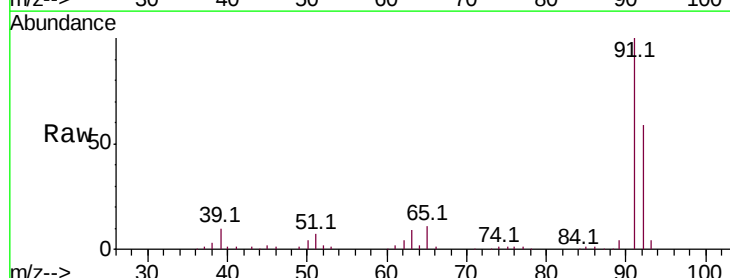
Acq: 13 Dec 2018 22:05

Tgt Ion: 92 Resp: 48276

Ion Ratio Lower Upper

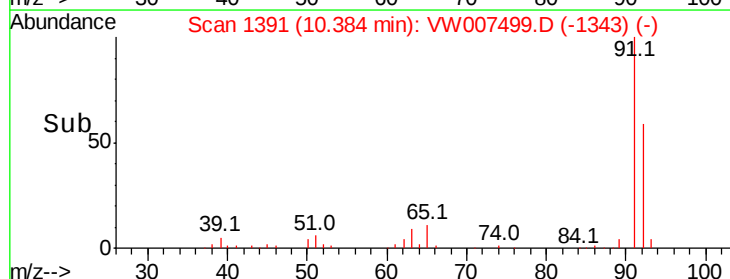
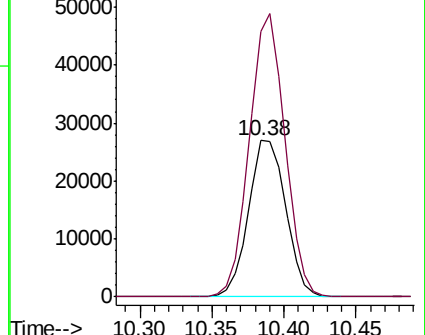
92 100

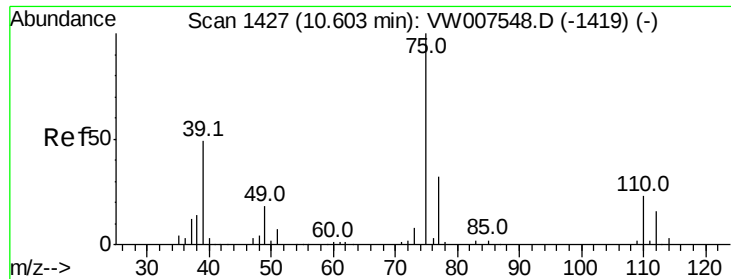
91 172.6 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





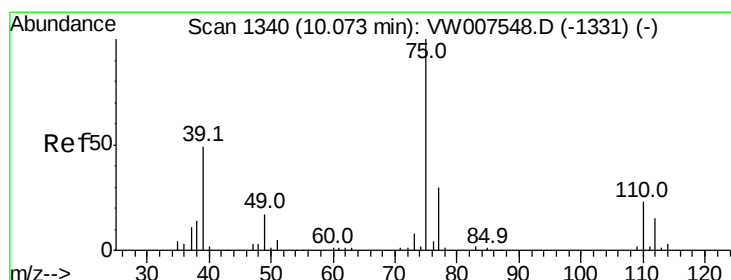
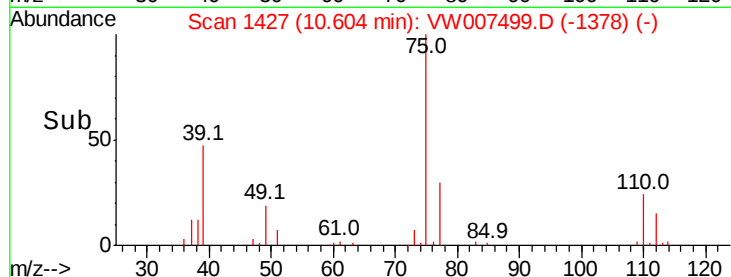
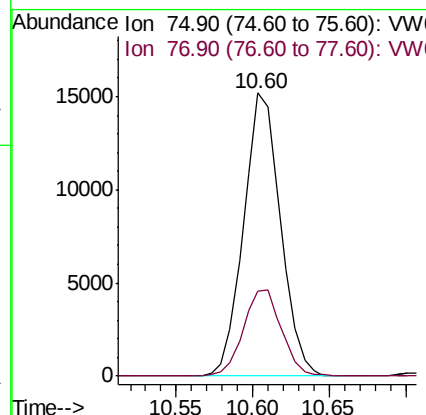
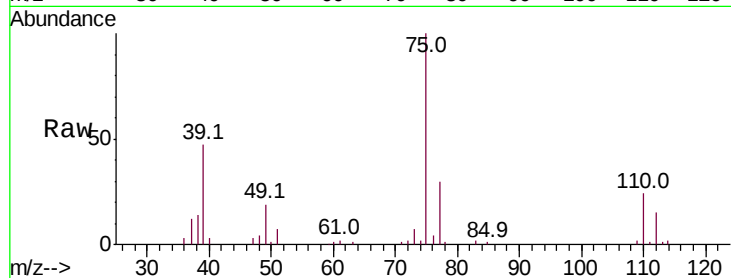
#53
 t-1,3-Dichloropropene
 Concen: 22.211 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion: 75 Resp: 25443
 Ion Ratio Lower Upper
 75 100
 77 30.2 26.2 39.4

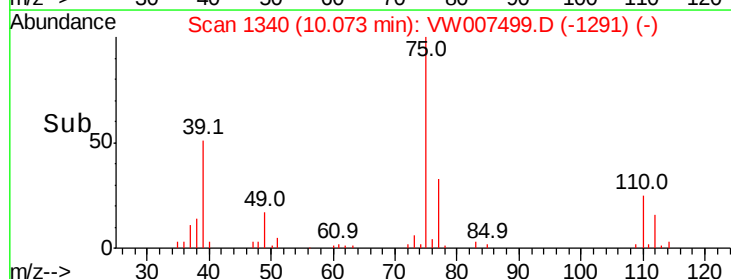
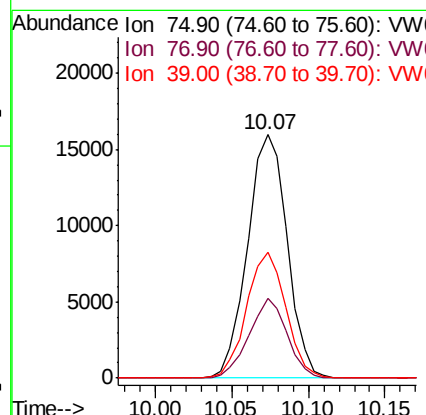
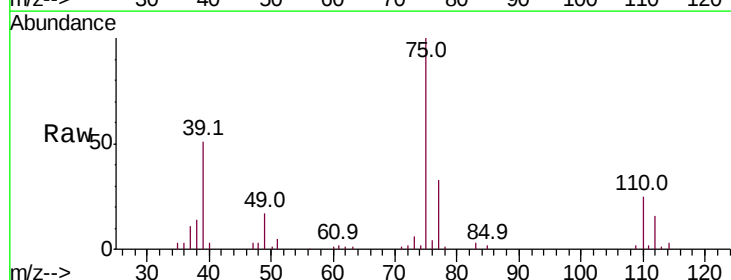
Manual Integrations
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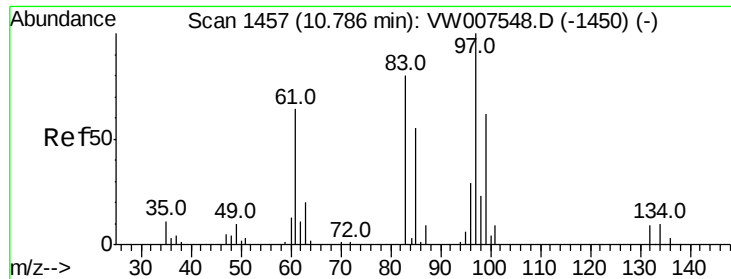
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#54
 cis-1,3-Dichloropropene
 Concen: 21.745 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 75 Resp: 28796
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.8 37.2
 39 51.4 40.9 61.3





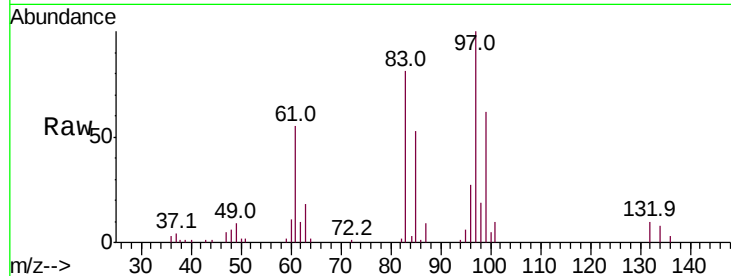
#55
1,1,2-Trichloroethane
Concen: 23.706 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

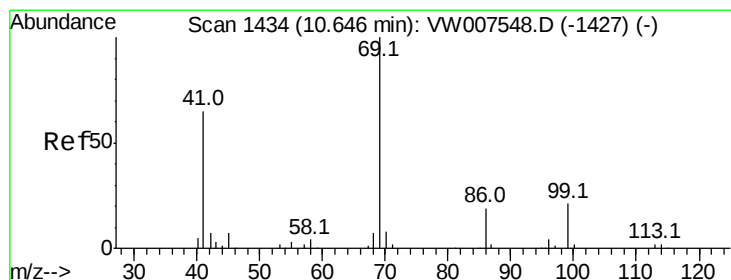
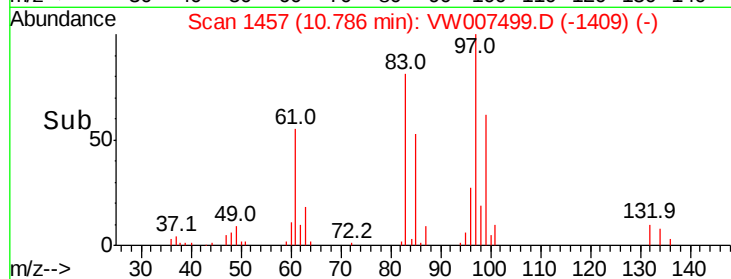
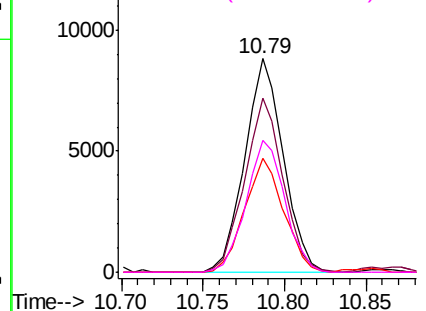
Tot Ion:	97	Resp:	14514
Ion	Ratio	Lower	Upper
97	100		
83	81.4	62.1	93.1
85	53.1	44.2	66.4
99	61.8	50.2	75.4

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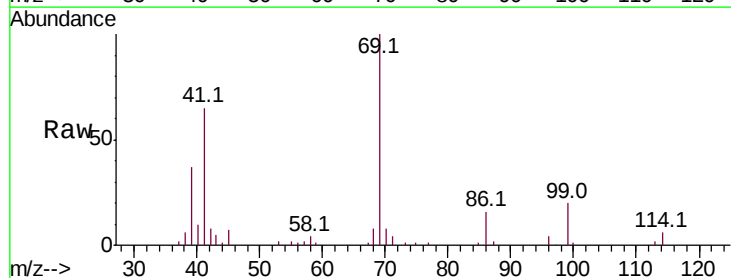


Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW

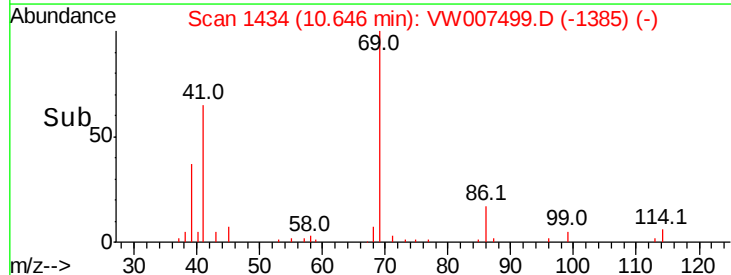
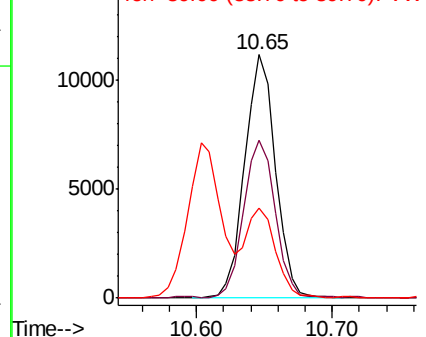


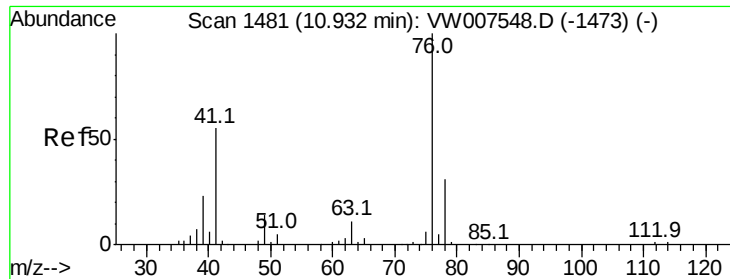
#56
Ethyl methacrylate
Concen: 24.099 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion:	69	Resp:	17734
Ion	Ratio	Lower	Upper
69	100		
41	66.7	51.0	76.6
39	36.4	30.8	46.2



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





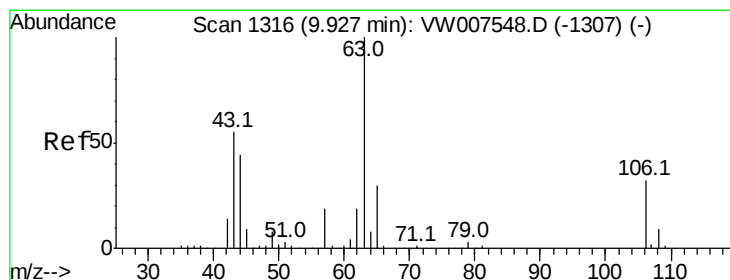
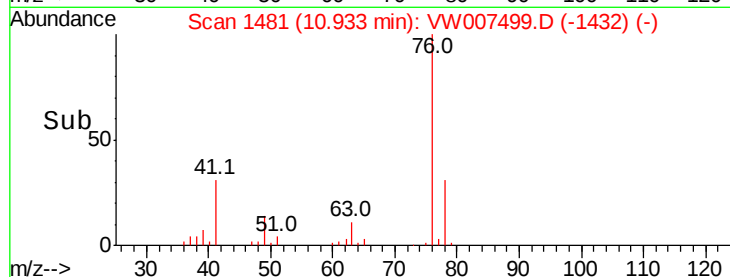
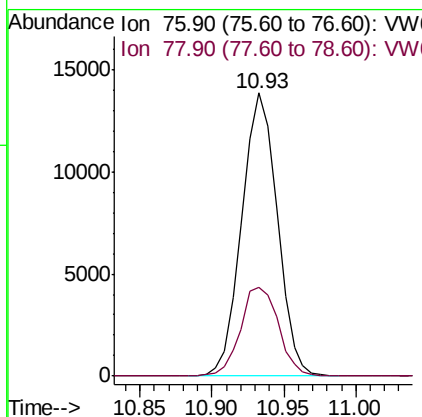
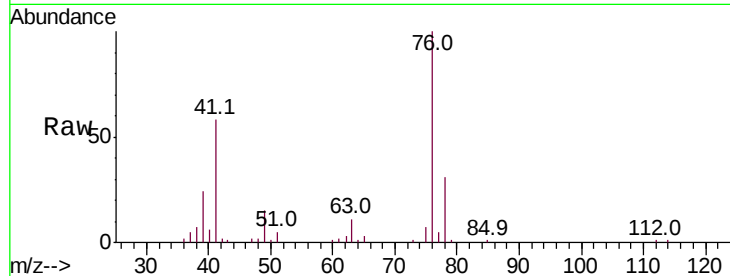
#57
 1,3-Dichloropropane
 Concen: 23.604 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion: 76 Resp: 23720
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.4

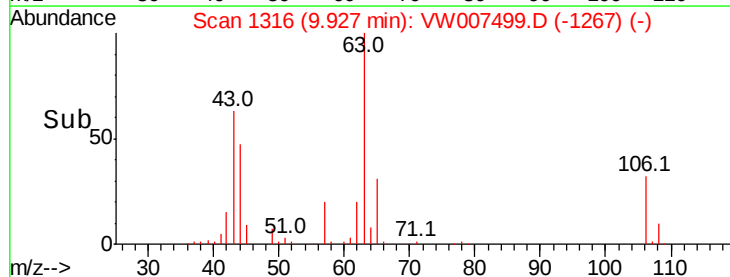
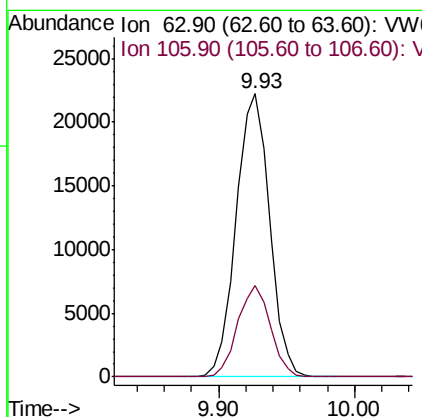
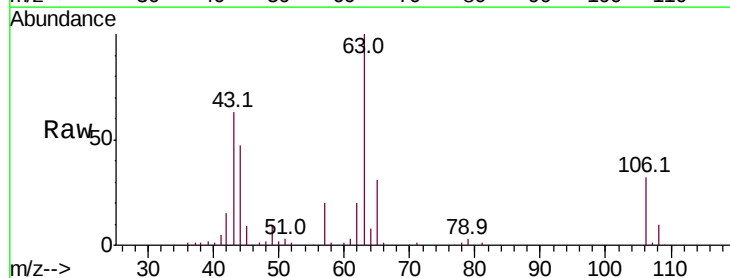
Manual Integrations
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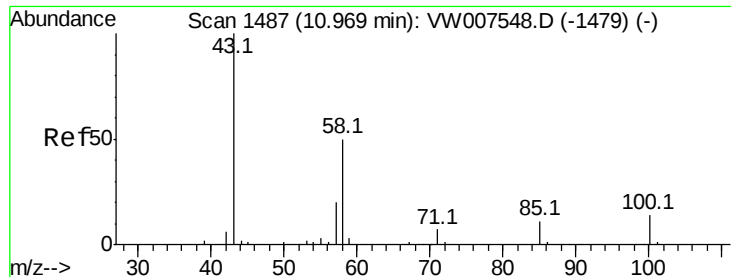
MMDadoda
 12/24/2018 12:18:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.531 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion: 63 Resp: 38188
 Ion Ratio Lower Upper
 63 100
 106 31.6 25.0 37.6





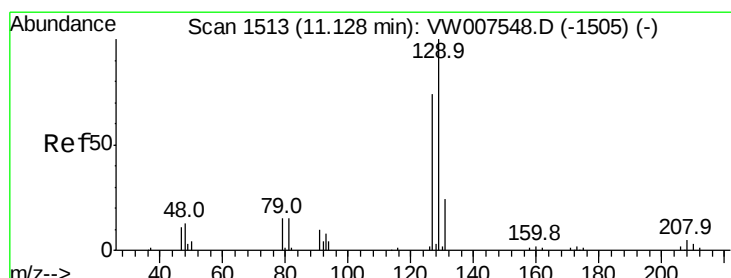
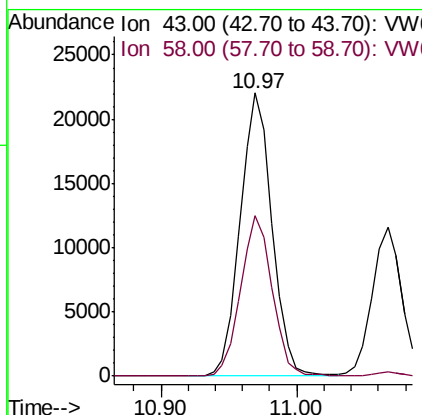
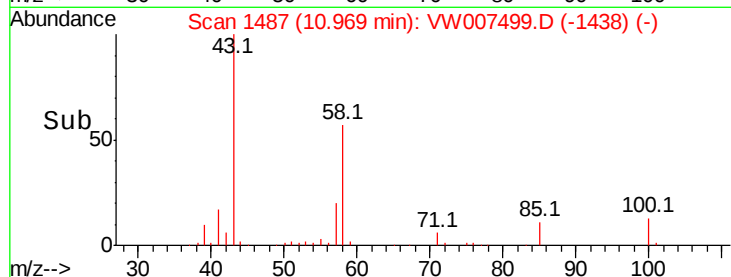
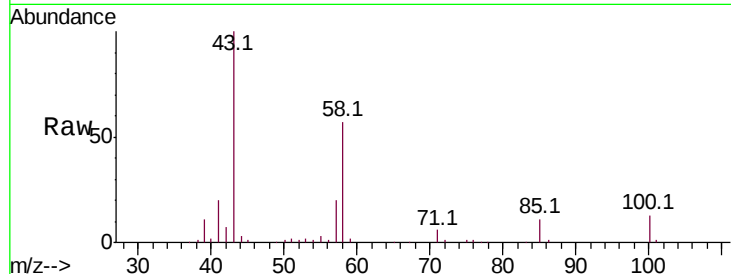
#59
2-Hexanone
Concen: 126.004 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion: 43 Resp: 35976
Ion Ratio Lower Upper
43 100
58 56.2 27.1 81.3

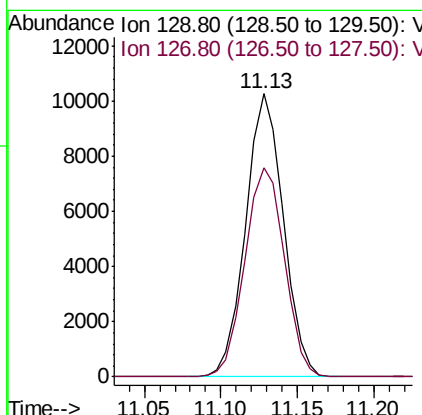
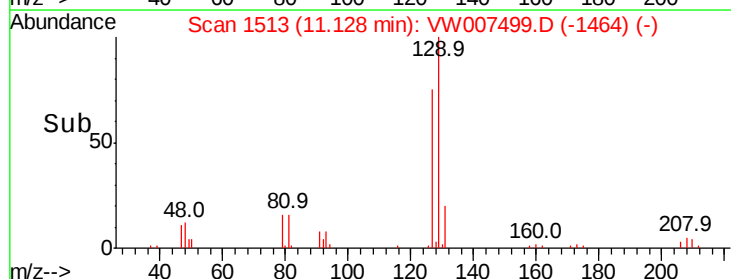
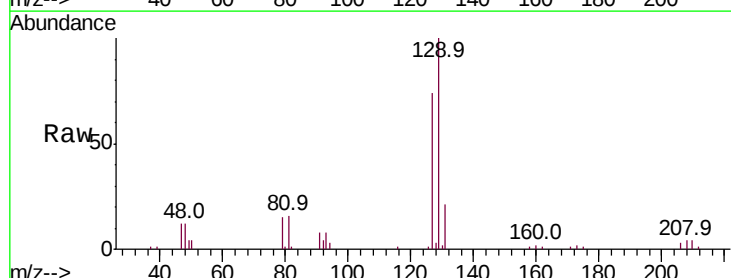
Manual Integrations
APPROVED

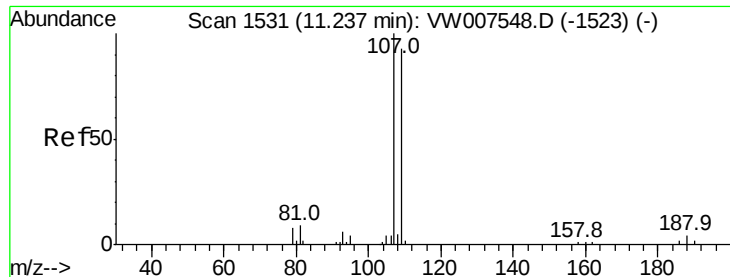
MMDadoda
12/24/2018 12:18:19 PM



#60
Dibromochloromethane
Concen: 22.780 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 129 Resp: 17601
Ion Ratio Lower Upper
129 100
127 77.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 23.967 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion:107 Resp: 14501

Ion Ratio Lower Upper

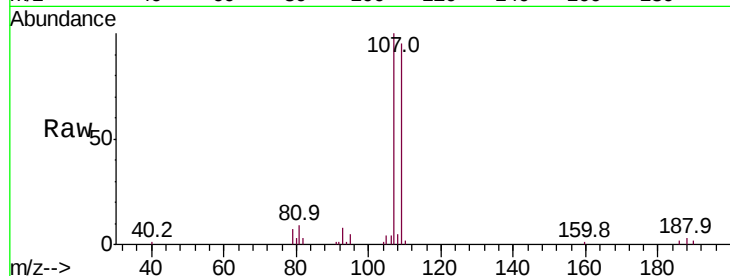
107 100

109 89.4 79.1 118.7

Manual Integrations
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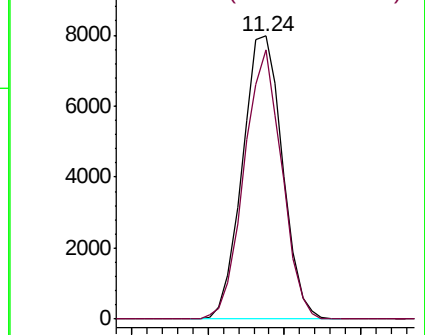
MMDadoda

12/24/2018 12:18:19 PM

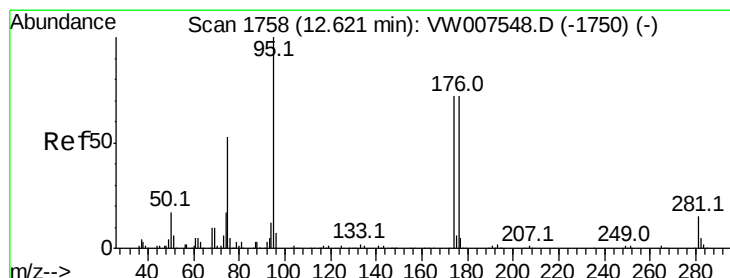
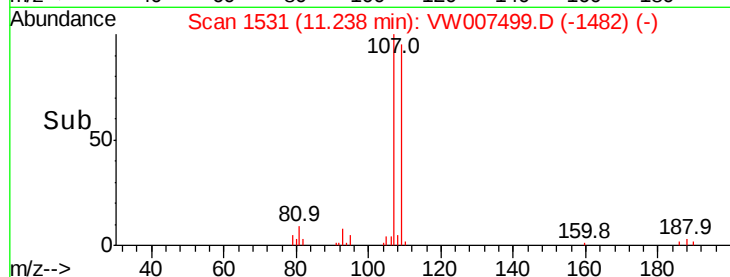


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 53.039 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

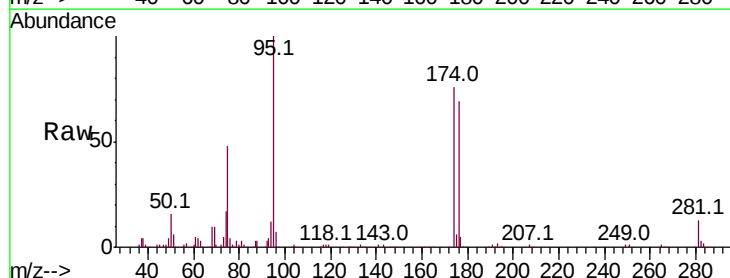
Tgt Ion: 95 Resp: 59848

Ion Ratio Lower Upper

95 100

174 73.9 0.0 147.2

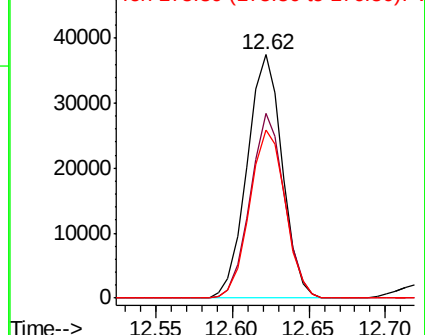
176 70.2 0.0 138.8



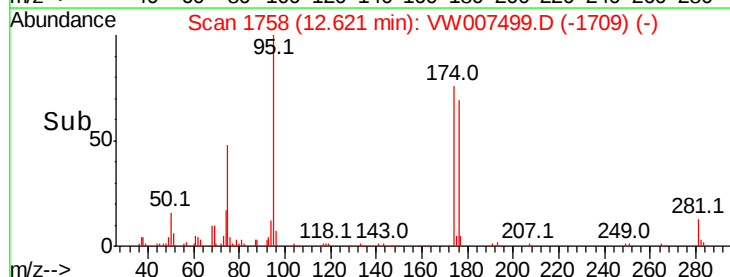
Abundance Ion 94.90 (94.60 to 95.60): VW

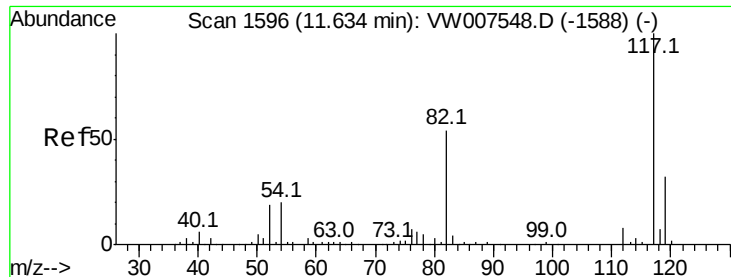
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





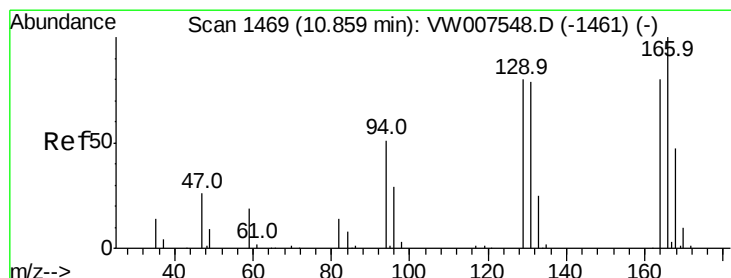
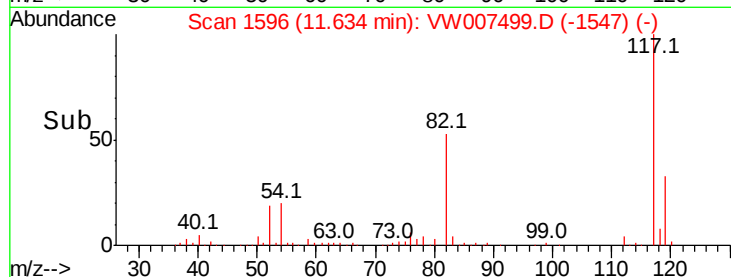
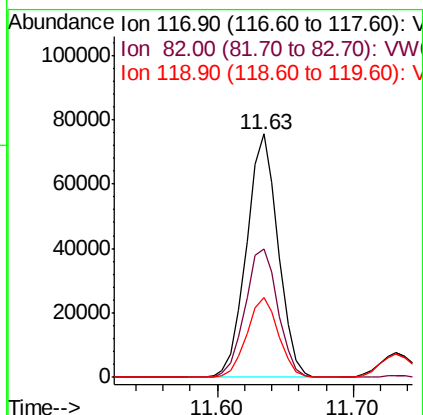
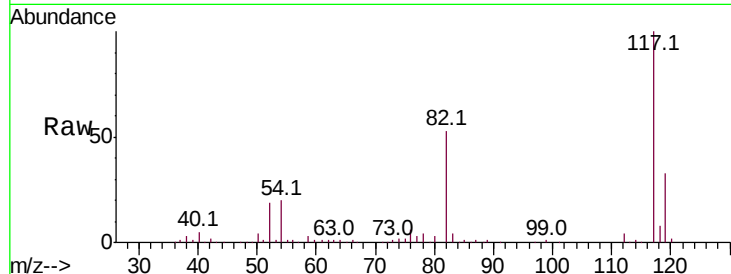
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.3	63.5
119	32.9	23.0	34.6

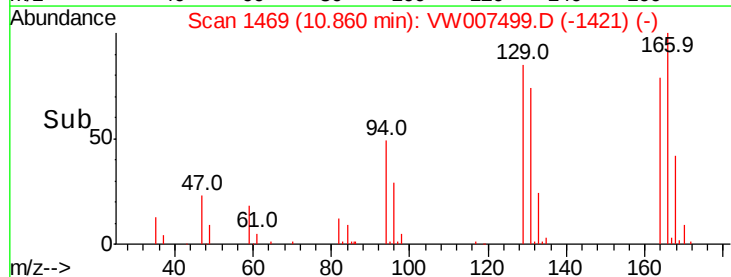
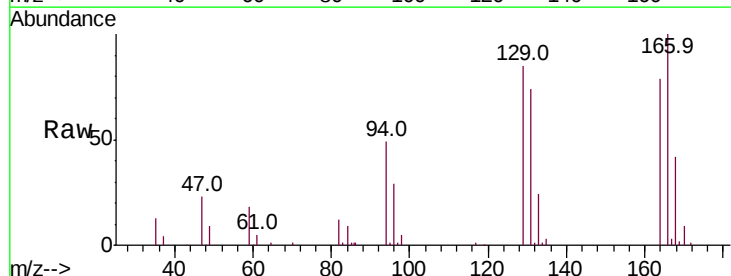
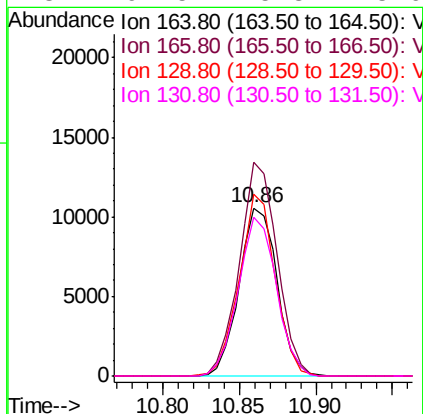
Manual Integrations
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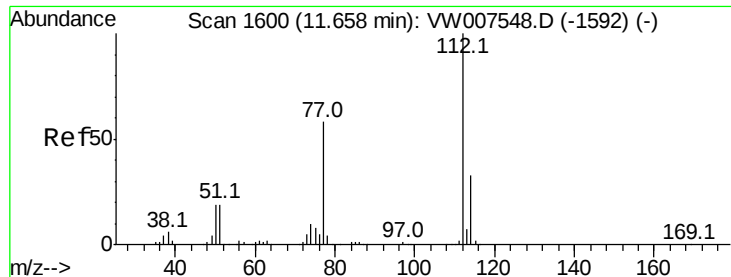
MMDadoda
12/24/2018 12:18:19 PM



#64
Tetrachloroethene
Concen: 20.647 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	107.9	161.9
129	108.1	73.4	110.2
131	94.5	75.8	113.6





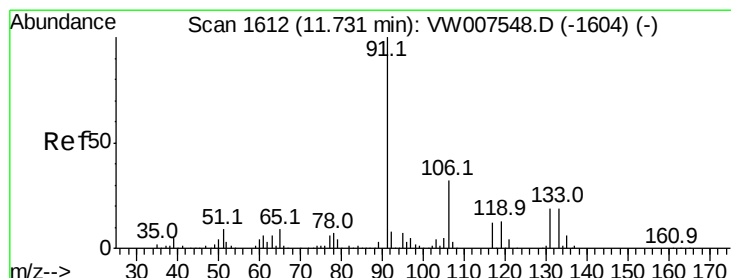
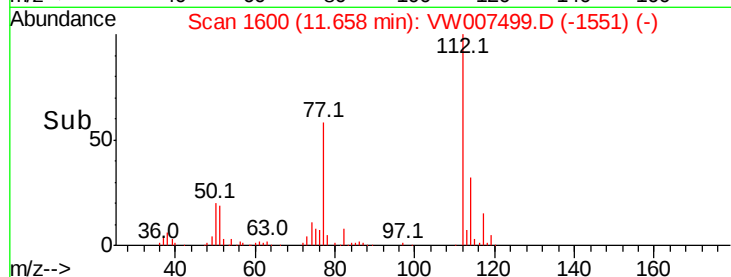
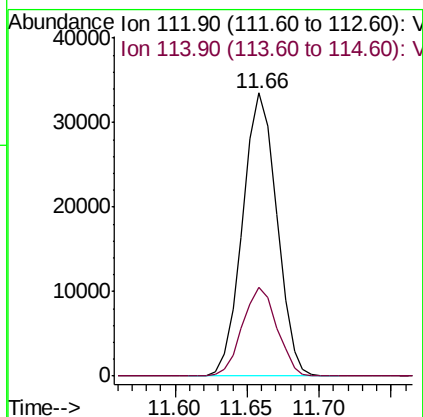
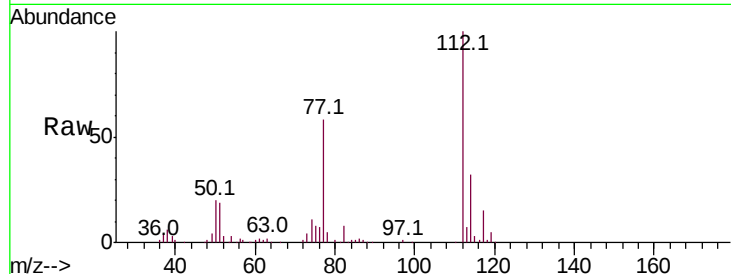
#65
Chlorobenzene
Concen: 21.631 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion:112 Resp: 55270
Ion Ratio Lower Upper
112 100
114 31.5 27.8 41.8

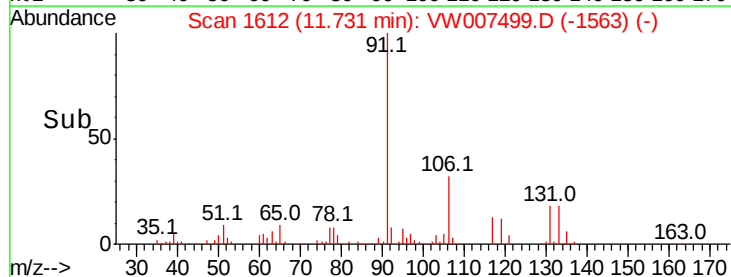
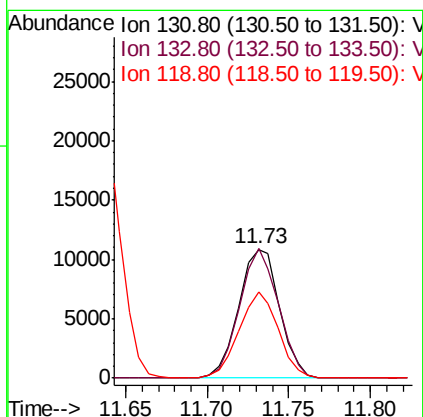
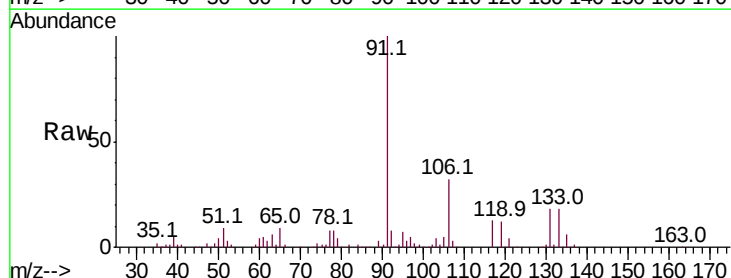
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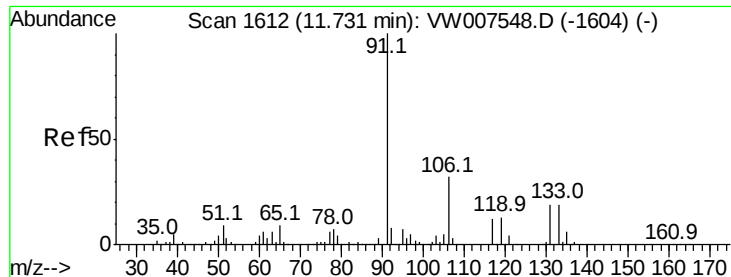
MMDadoda
12/24/2018 12:18:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.055 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion:131 Resp: 18947
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.4
119 64.1 31.3 93.9





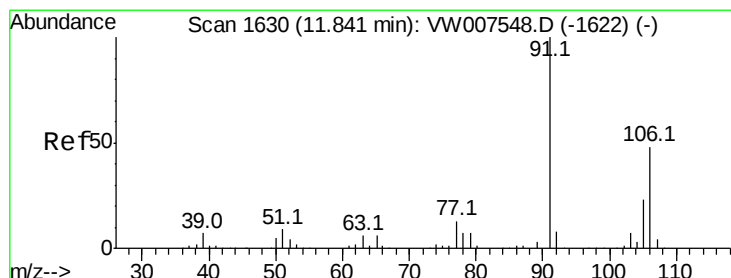
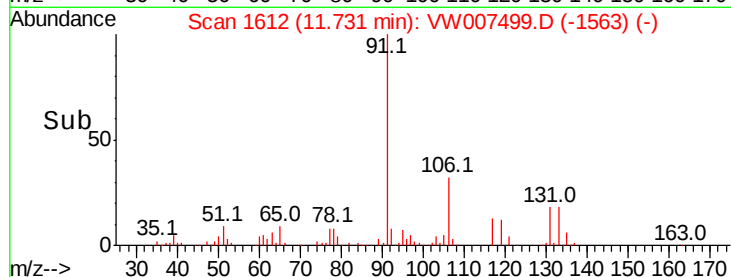
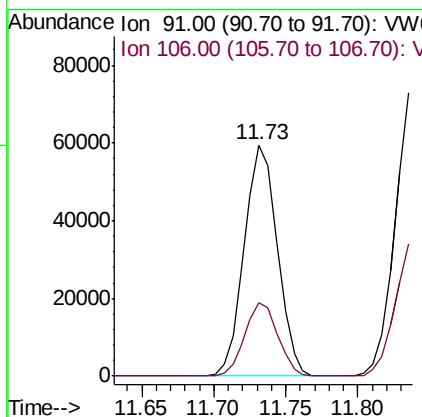
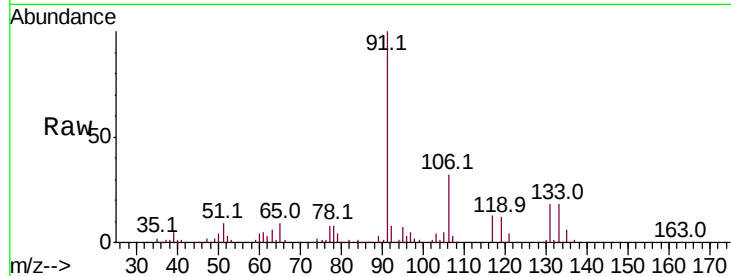
#67
Ethyl Benzene
Concen: 21.612 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion: 91 Resp: 94940
Ion Ratio Lower Upper
91 100
106 31.6 21.8 32.8

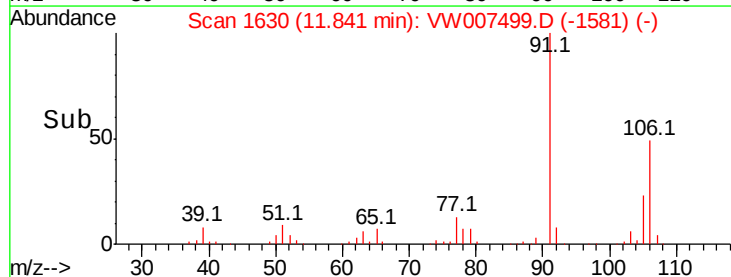
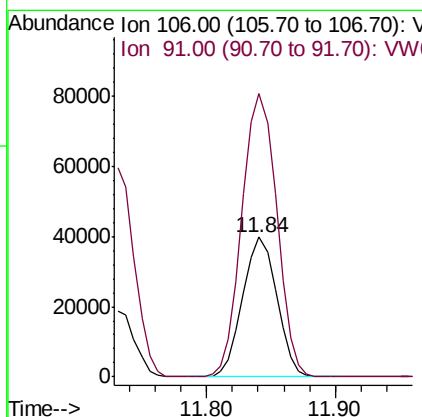
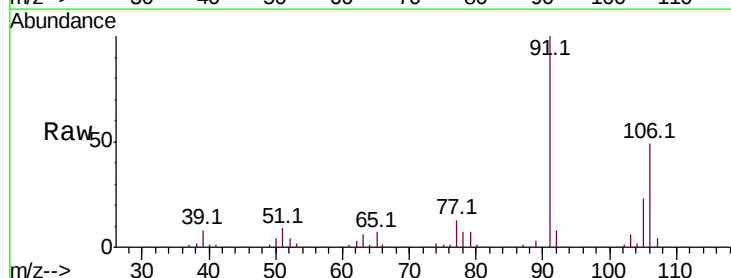
Manual Integrations
APPROVED

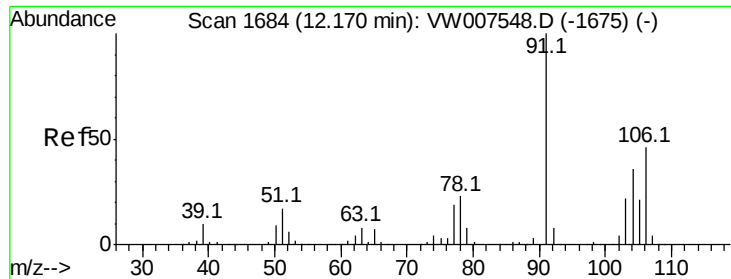
MMDadoda
12/24/2018 12:18:19 PM



#68
m/p-Xylenes
Concen: 43.106 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion: 106 Resp: 73615
Ion Ratio Lower Upper
106 100
91 206.4 165.3 247.9





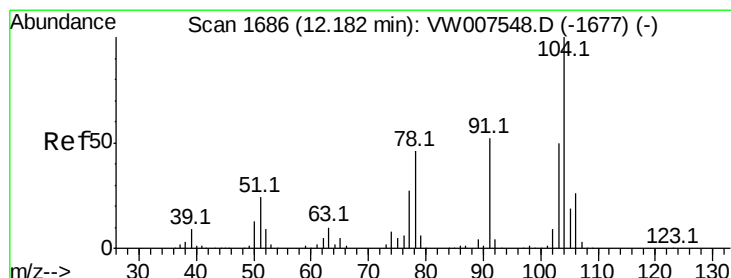
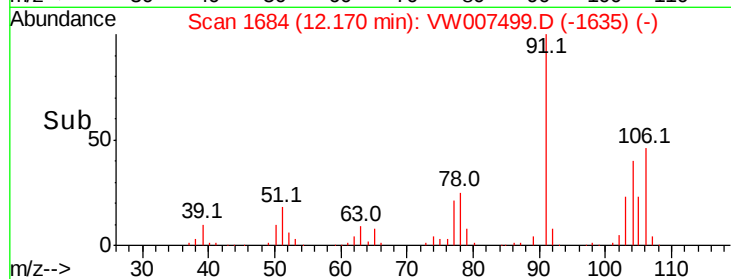
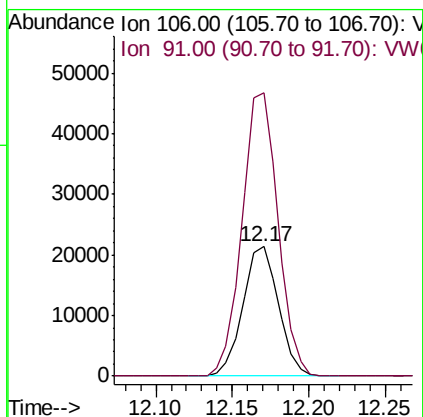
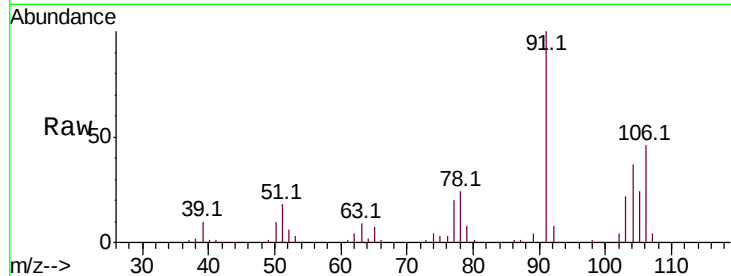
#69
o-Xylene
Concen: 21.686 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleID :
VW1216SBS02

Tot Ion:106 Resp: 34588
Ion Ratio Lower Upper
106 100
91 220.1 106.6 319.8

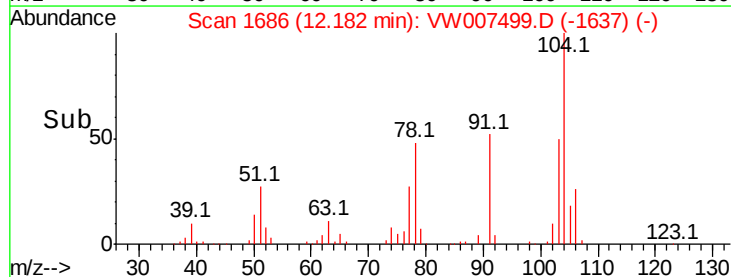
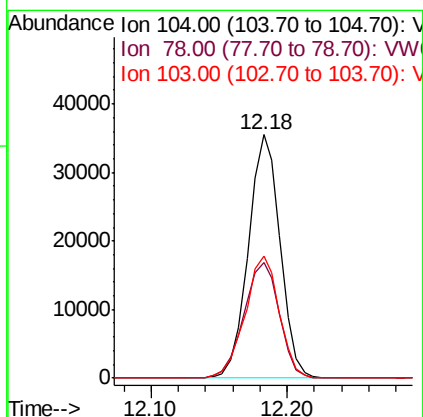
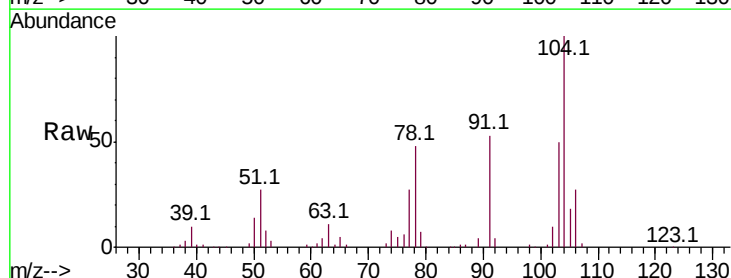
Manual Integrations
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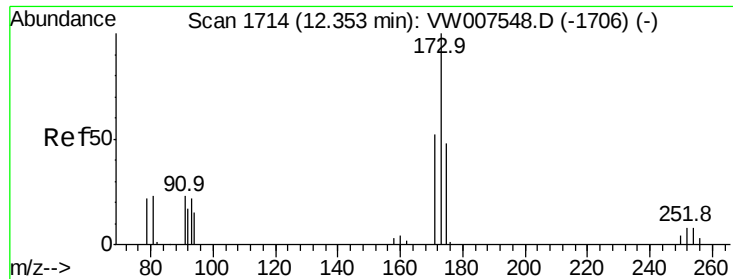
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#70
Styrene
Concen: 22.514 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion:104 Resp: 58001
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 53.8 46.6 69.8





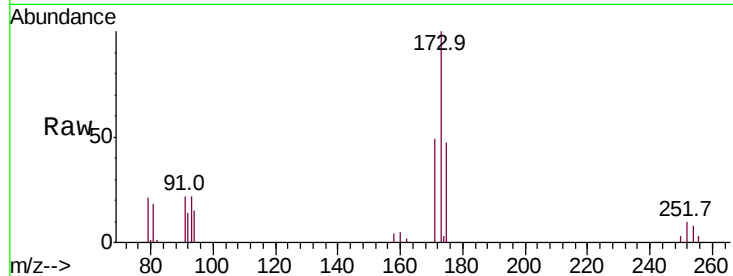
#71
Bromoform
Concen: 21.546 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.6	70.8
254	0.0	0.0	0.0

Manual Integrations
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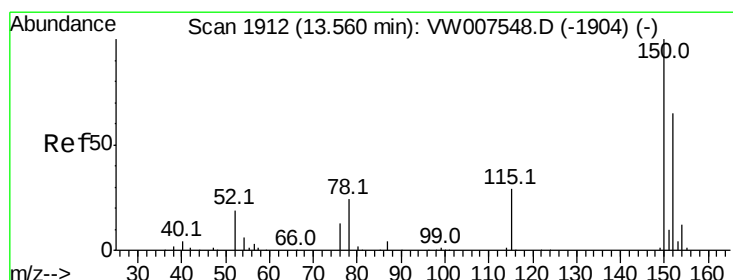
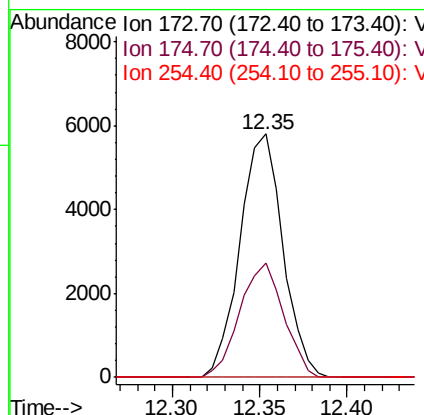
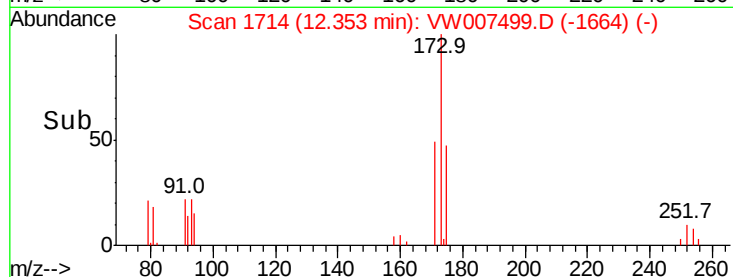


Abundance

Ion 172.70 (172.40 to 173.40): V

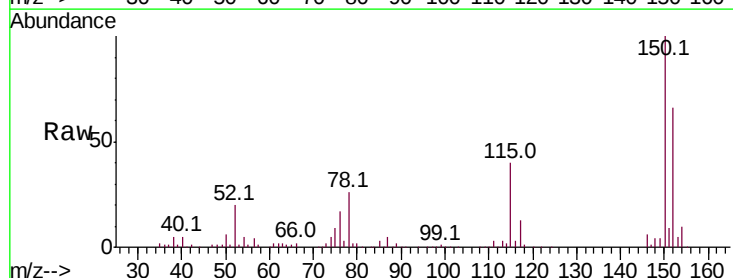
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.4	94.2
150	163.9	0.0	358.4

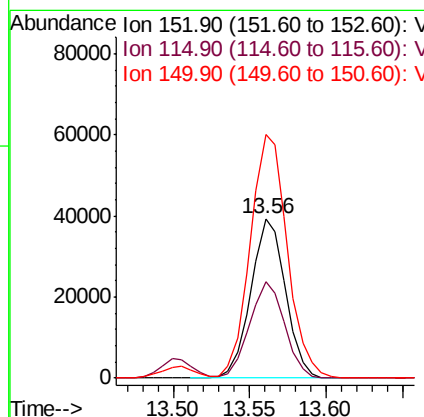
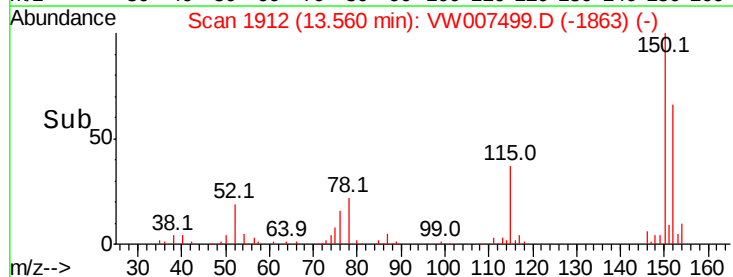


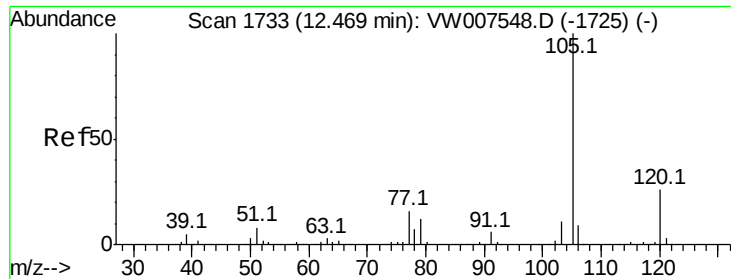
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.766 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion:105 Resp: 98481

Ion Ratio Lower Upper

105 100

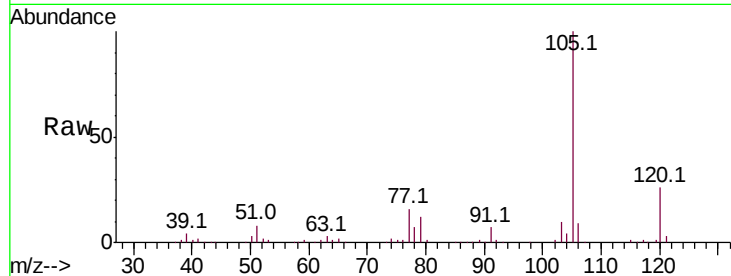
120 26.0 12.8 38.4

Manual Integrations

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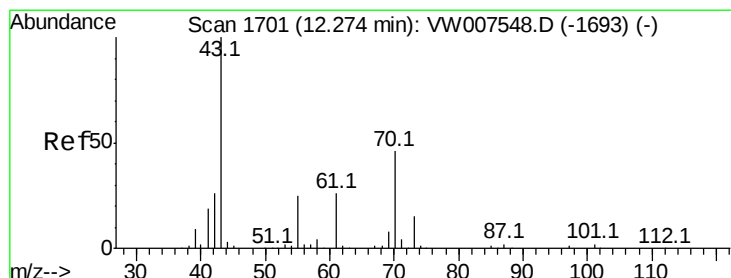
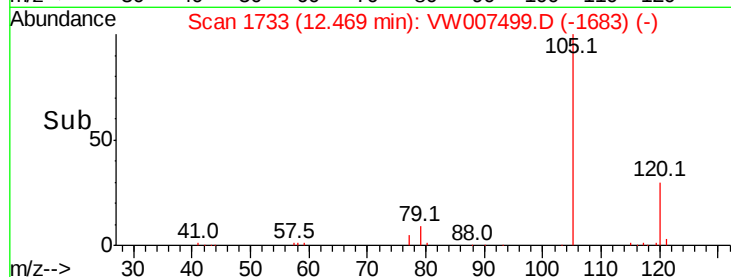
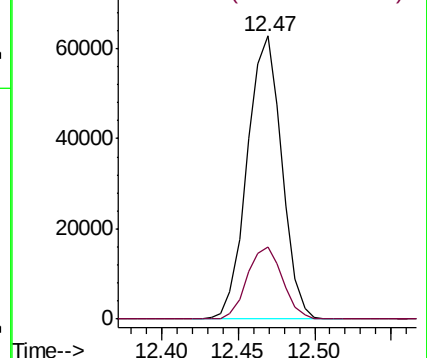
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.149 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion: 43 Resp: 19952

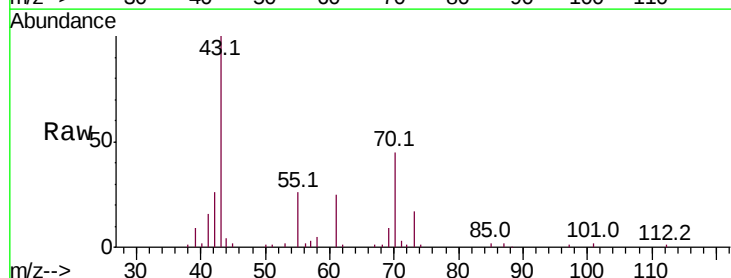
Ion Ratio Lower Upper

43 100

70 44.1 36.5 54.7

55 25.4 20.1 30.1

61 25.6 19.3 28.9

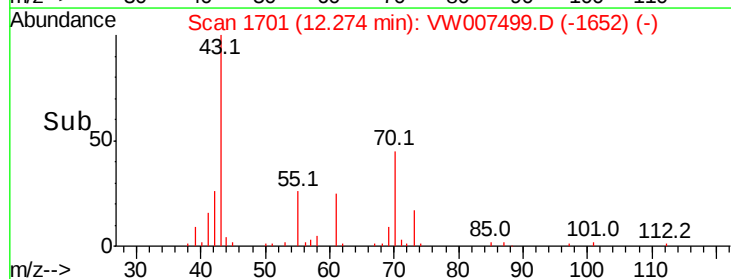
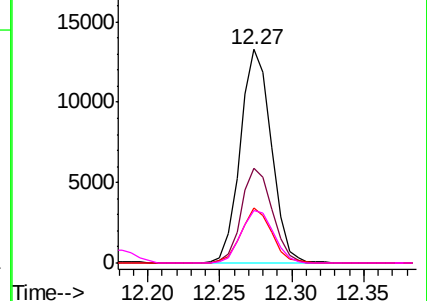


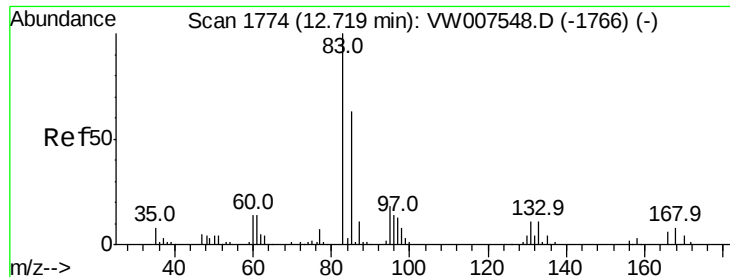
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 23.075 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 83 Resp: 16208

Ion Ratio Lower Upper

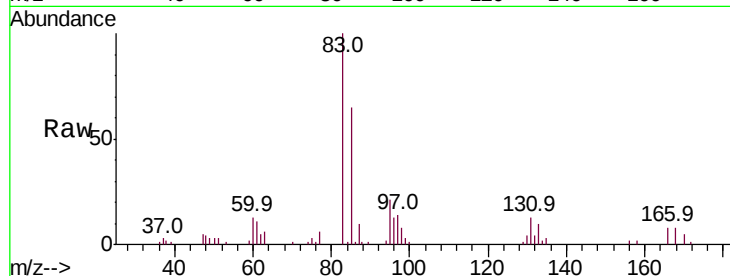
83 100

131 12.0 5.9 17.8

85 64.4 30.0 90.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW

12000

10000

8000

6000

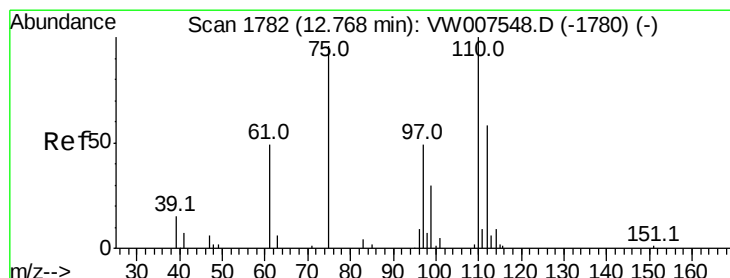
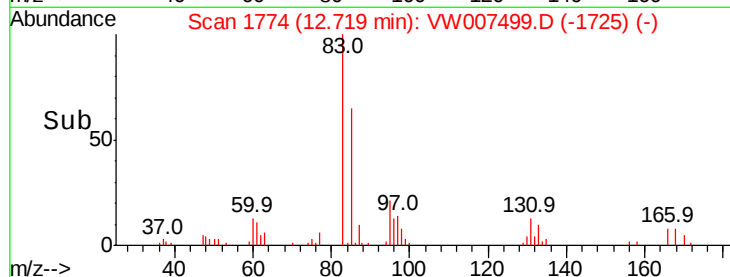
4000

2000

0

12.65 12.70 12.75

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.446 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007499.D

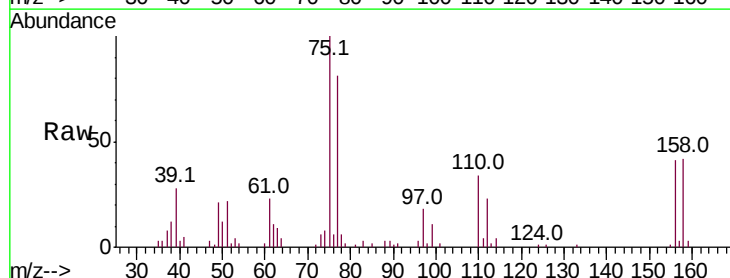
Acq: 13 Dec 2018 22:05

Tgt Ion: 75 Resp: 12475

Ion Ratio Lower Upper

75 100

77 329.7 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

25000

20000

15000

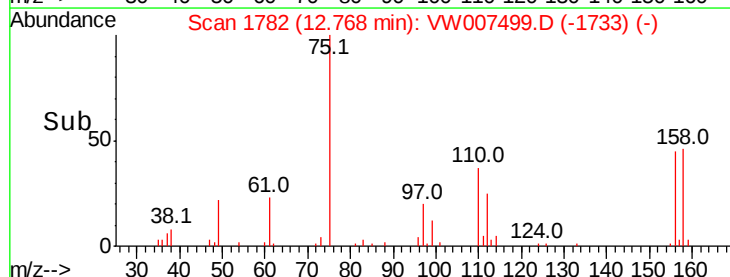
10000

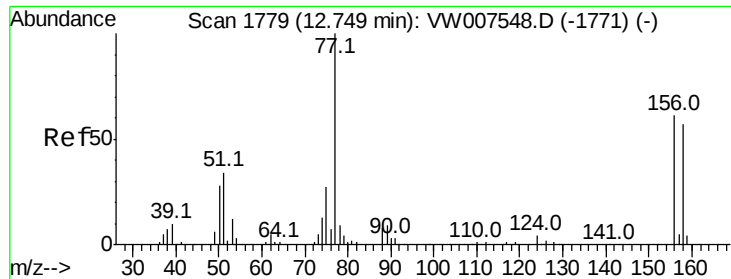
5000

0

12.74 12.76 12.78 12.80

Time-->





#77

Bromobenzene

Concen: 21.156 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion:156 Resp: 22239

Ion Ratio Lower Upper

156 100

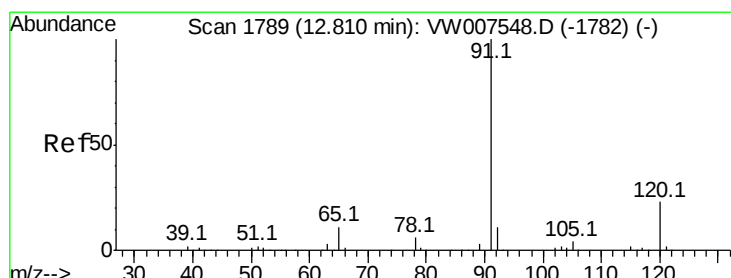
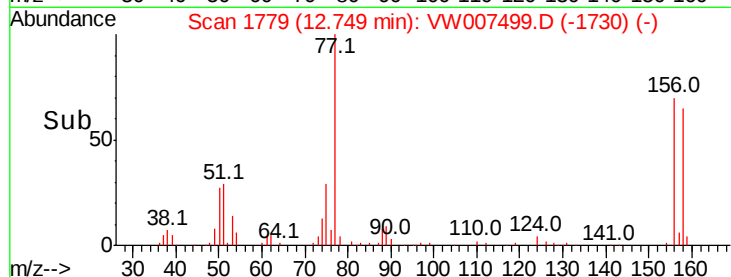
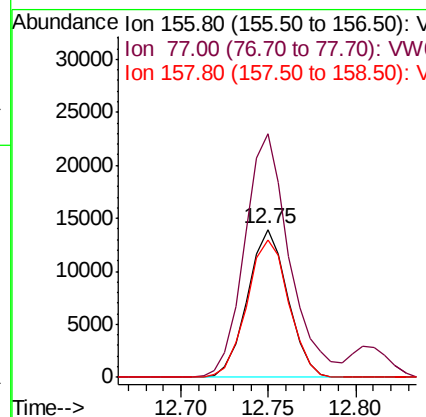
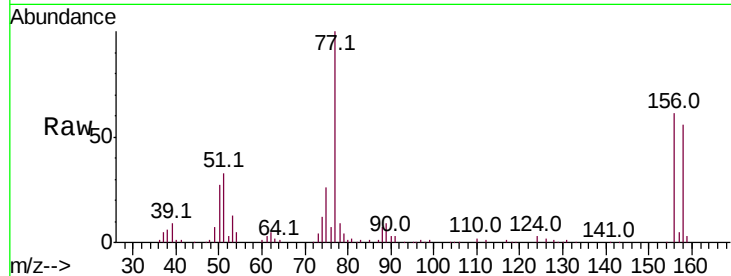
77 185.0 88.1 264.4

158 97.1 45.6 136.7

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#78

n-propylbenzene

Concen: 21.429 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007499.D

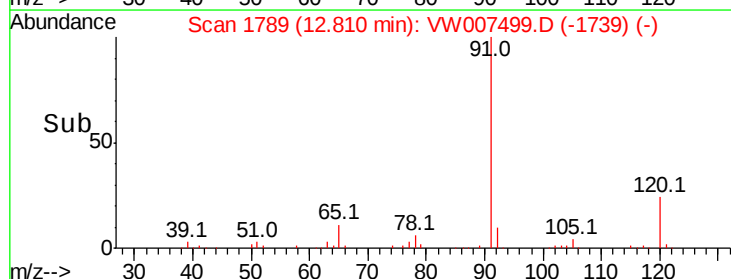
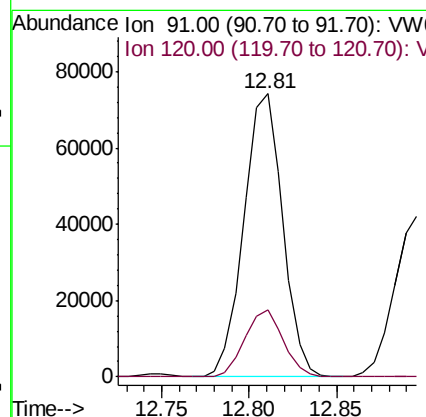
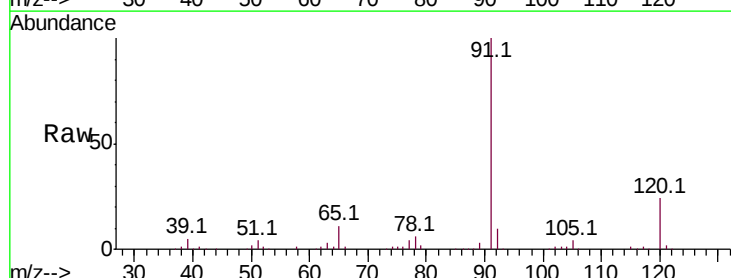
Acq: 13 Dec 2018 22:05

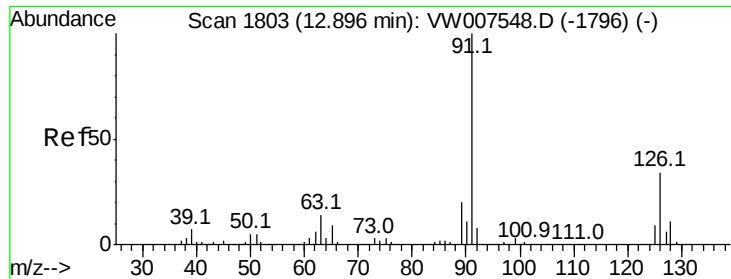
Tgt Ion: 91 Resp: 114367

Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.5





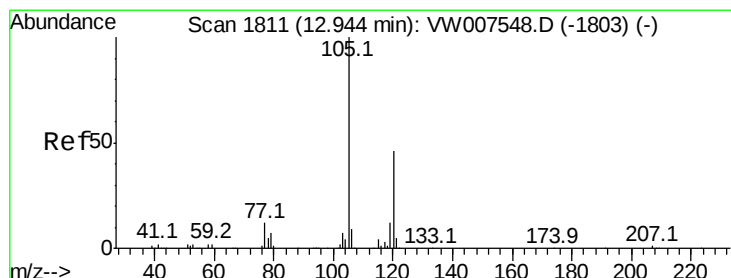
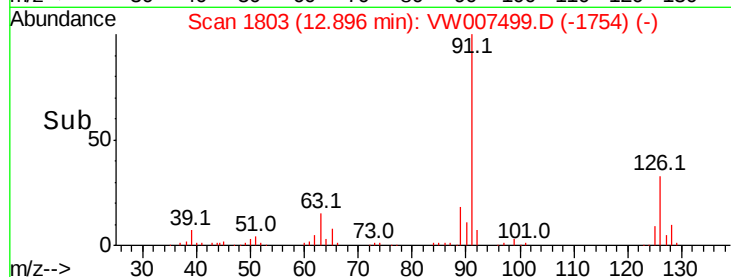
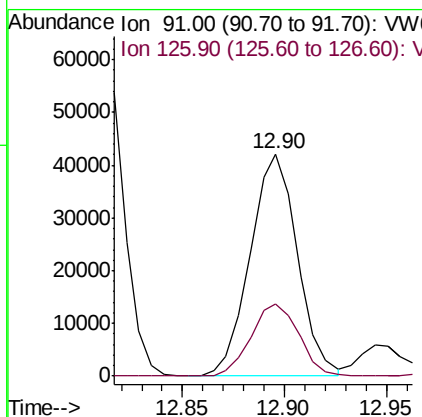
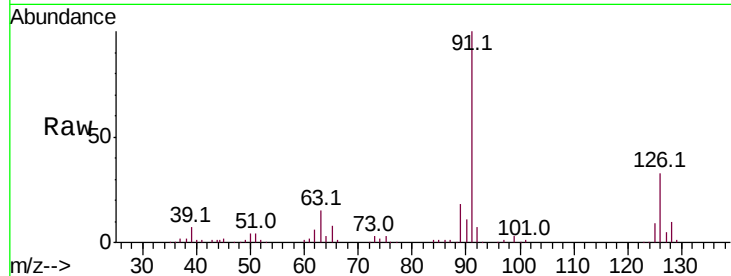
#79
2-Chlorotoluene
Concen: 21.006 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion: 91 Resp: 67836
Ion Ratio Lower Upper
91 100
126 33.1 15.9 47.6

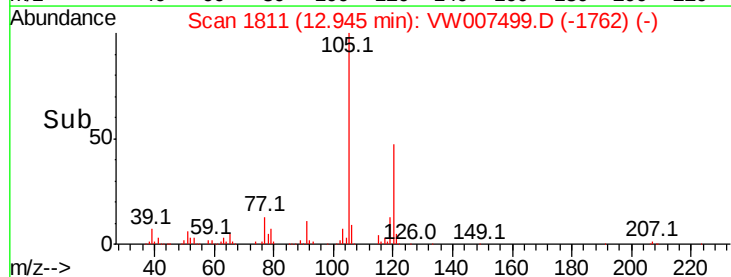
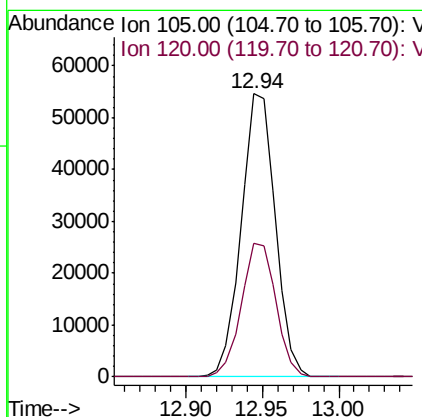
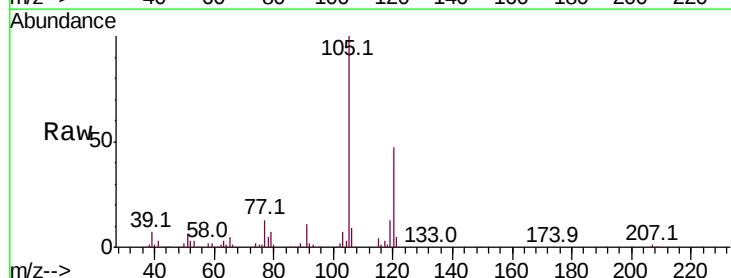
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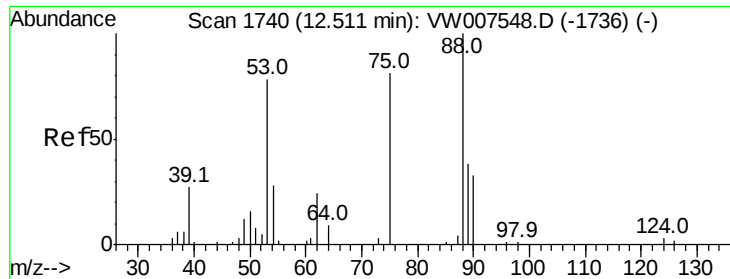
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#80
1,3,5-Trimethylbenzene
Concen: 21.206 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion:105 Resp: 84501
Ion Ratio Lower Upper
105 100
120 47.8 23.8 71.4





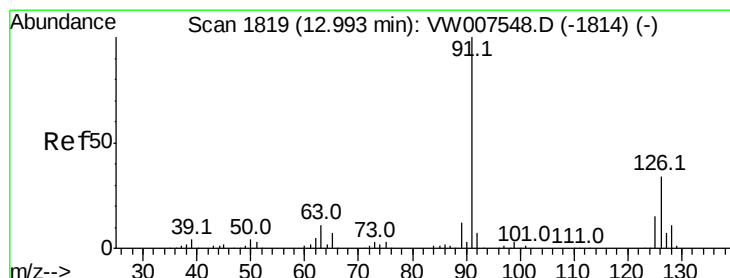
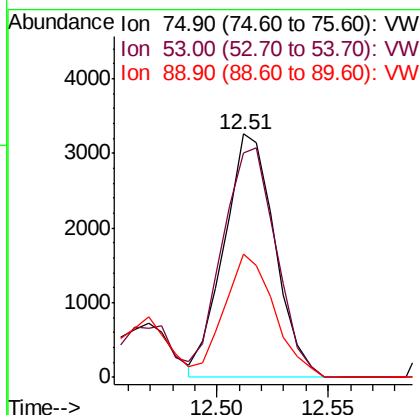
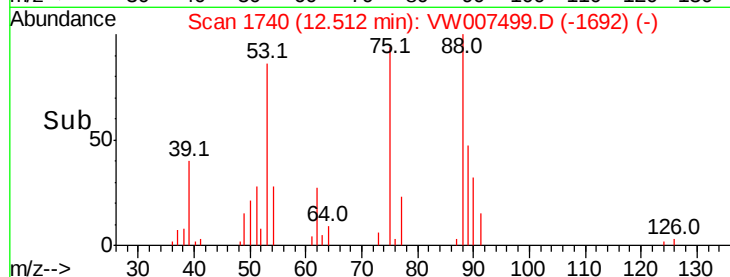
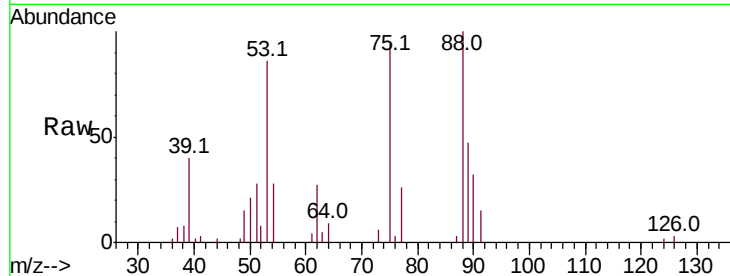
#81
trans-1,4-Dichloro-2-butene
Concen: 22.371 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.7	84.9	127.3
89	50.1	40.3	60.5

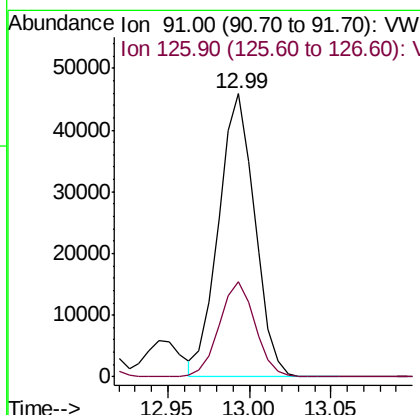
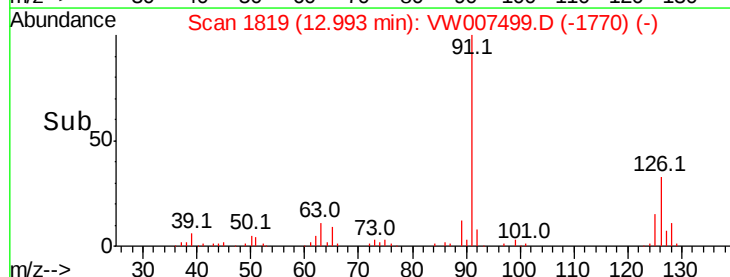
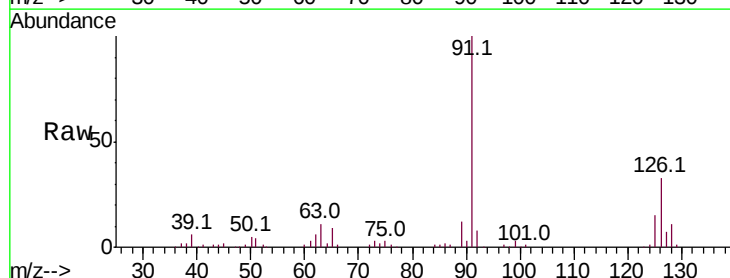
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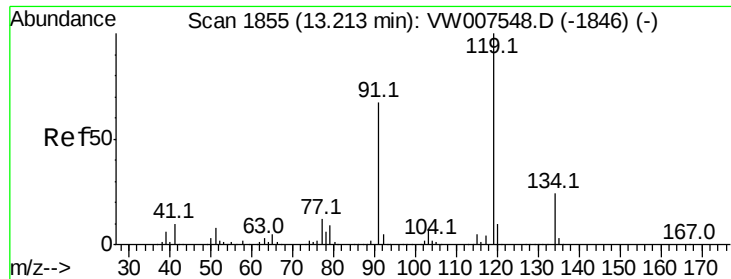
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#82
4-Chlorotoluene
Concen: 20.868 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.0	48.0





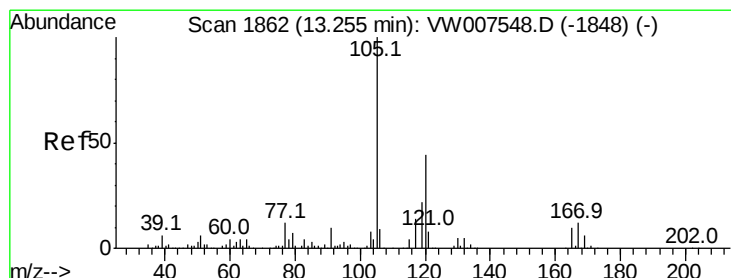
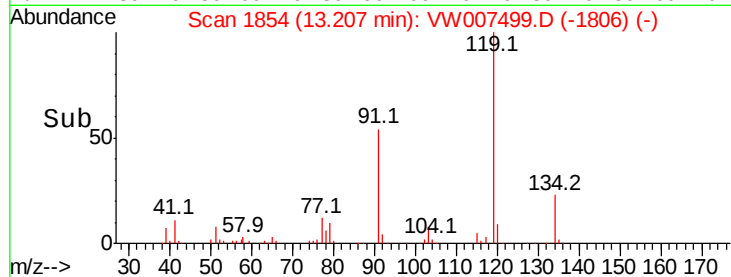
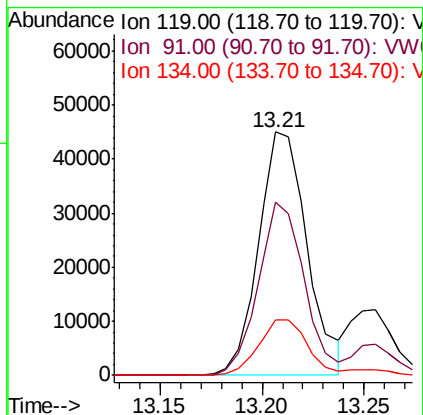
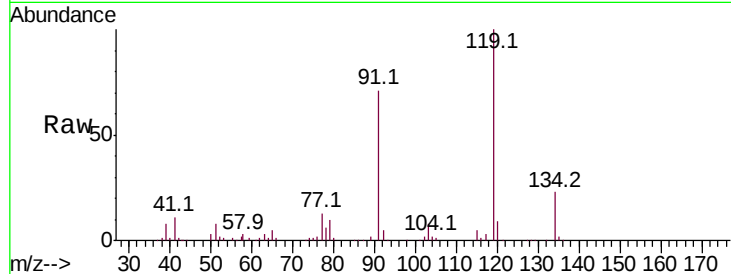
#83
tert-Butylbenzene
Concen: 21.333 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	74903		
91	67.1		33.1	99.2
134	23.3		12.5	37.5

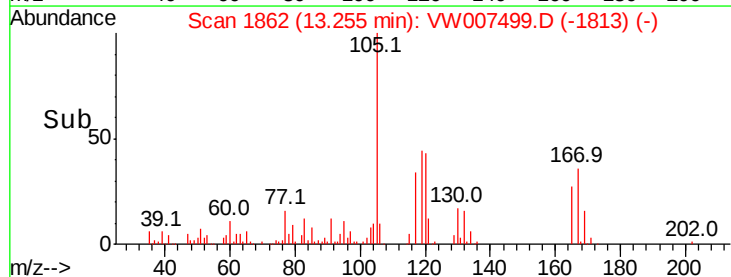
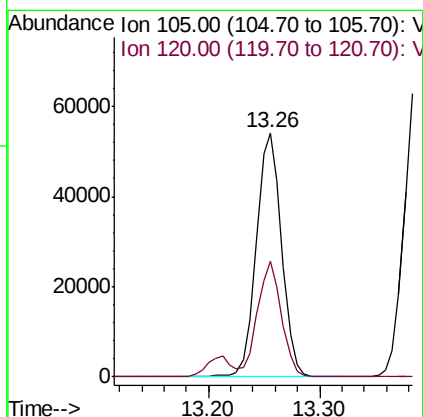
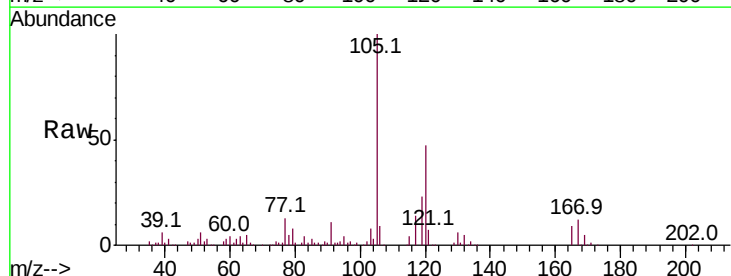
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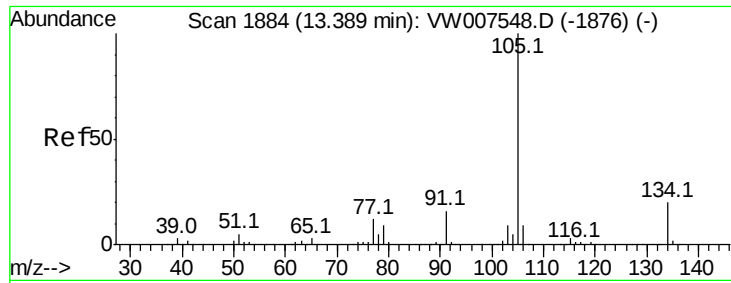
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#84
1,2,4-Trimethylbenzene
Concen: 20.780 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	85208		
120	45.5		22.6	67.7





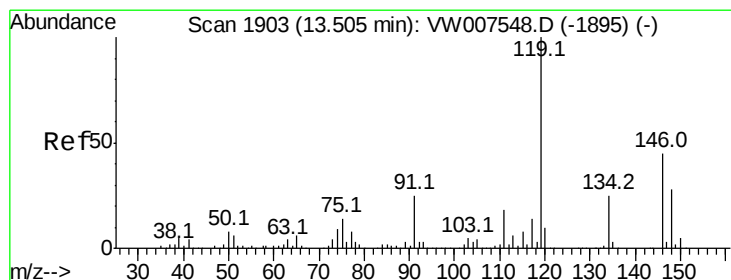
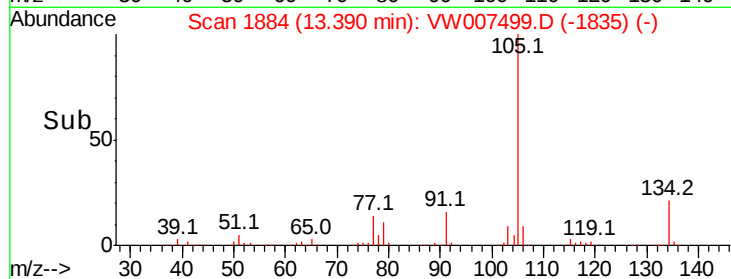
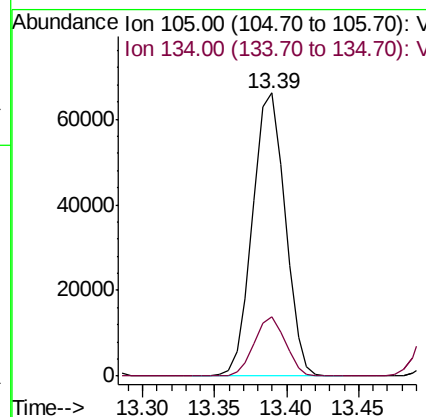
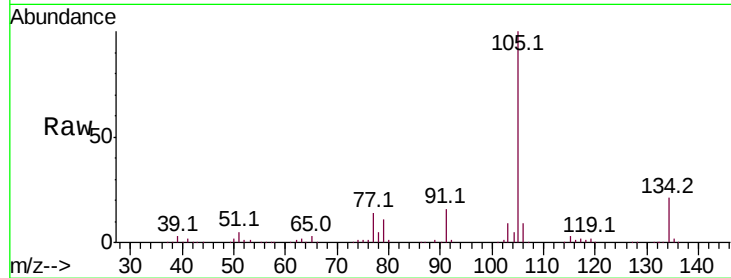
#85
 sec-Butylbenzene
 Concen: 21.584 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	11.1	33.3

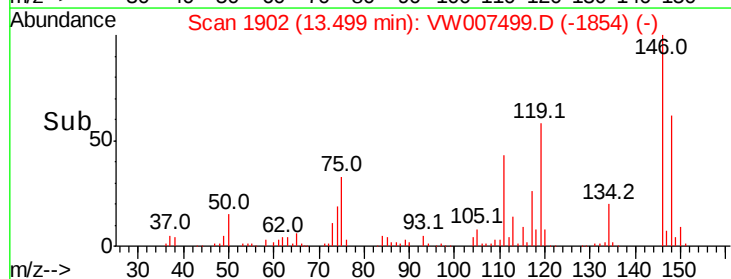
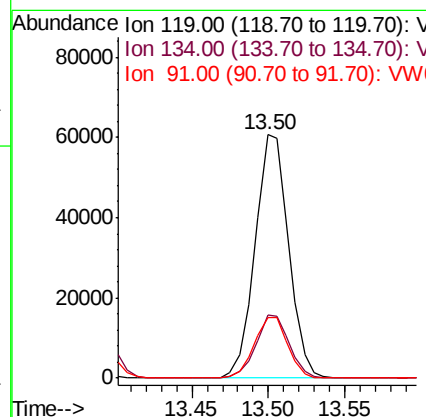
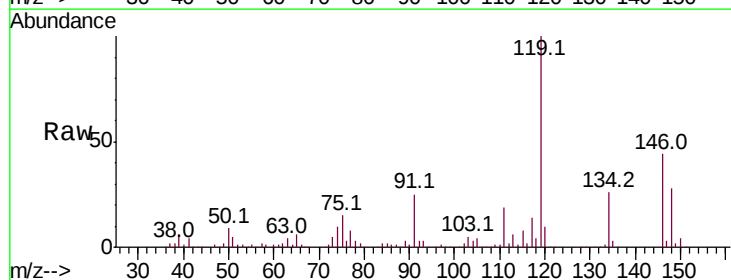
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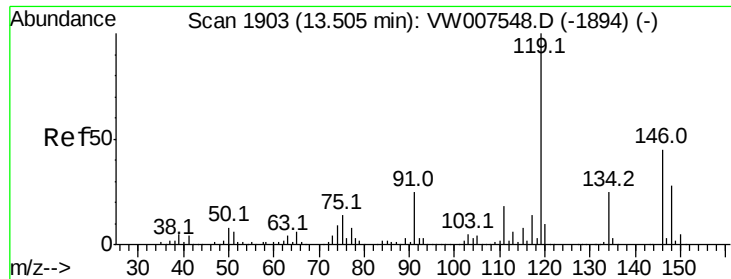
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#86
 p-Isopropyltoluene
 Concen: 21.443 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.7
91	25.1	11.9	35.9





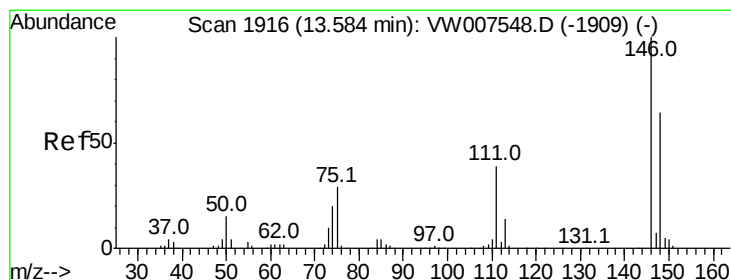
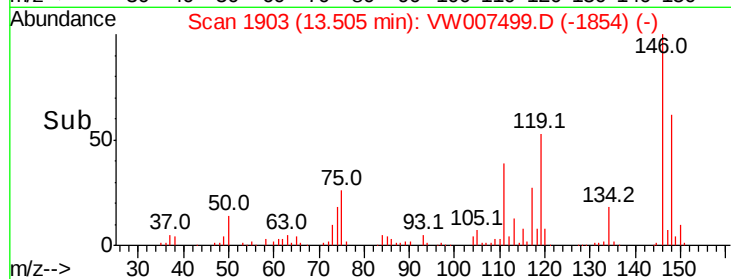
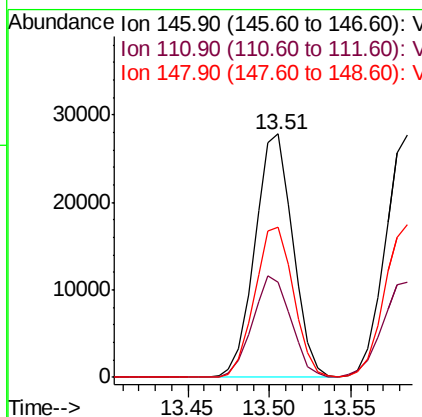
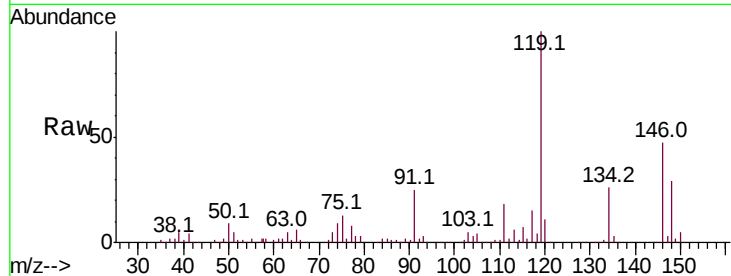
#87
 1,3-Dichlorobenzene
 Concen: 21.467 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	63.3	31.4	94.0

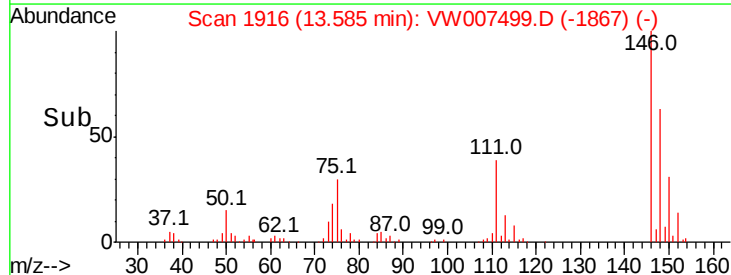
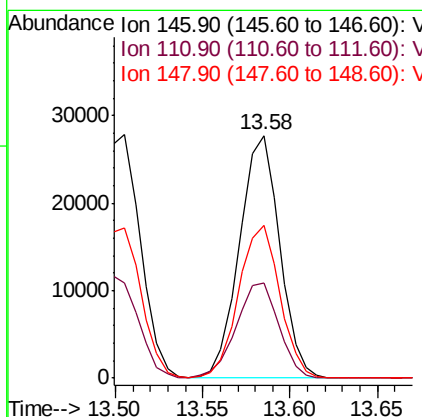
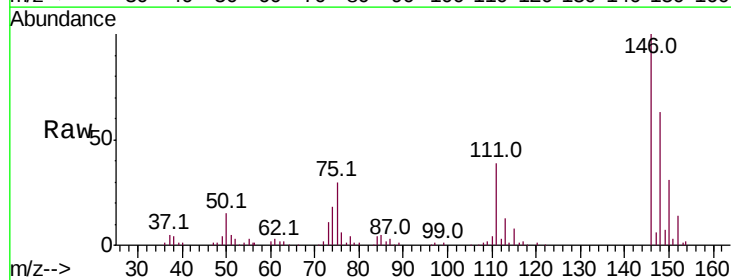
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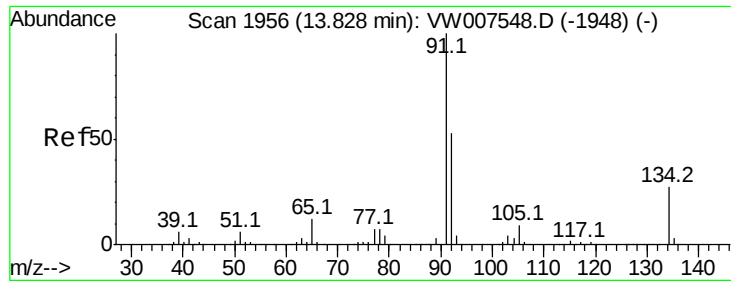
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#88
 1,4-Dichlorobenzene
 Concen: 21.100 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007499.D
 Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	64.4	33.5	100.5





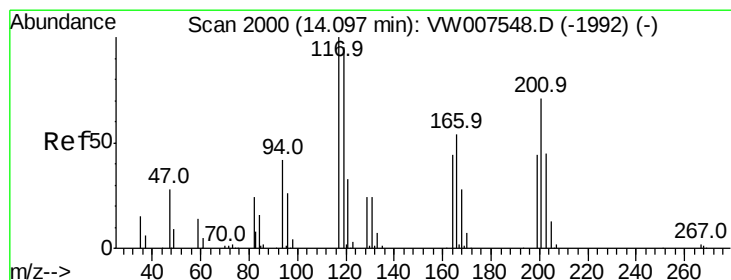
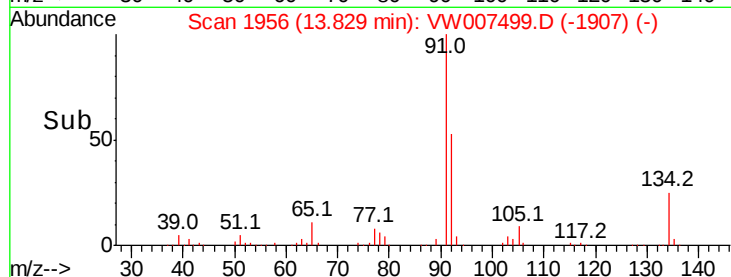
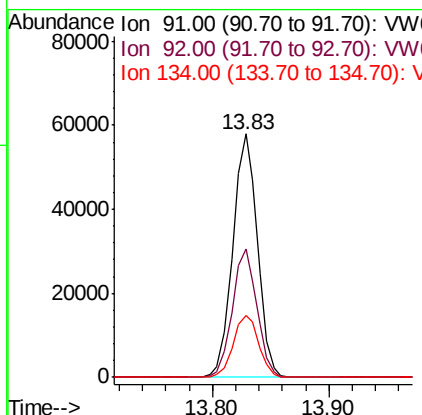
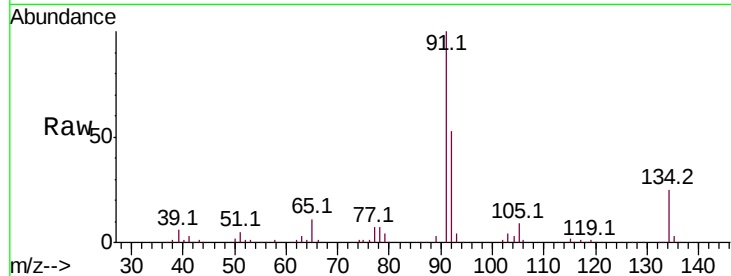
#89
n-Butylbenzene
Concen: 21.281 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.7	77.1
134	26.5	13.4	40.2

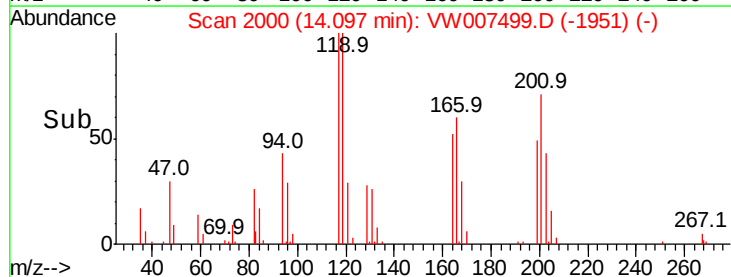
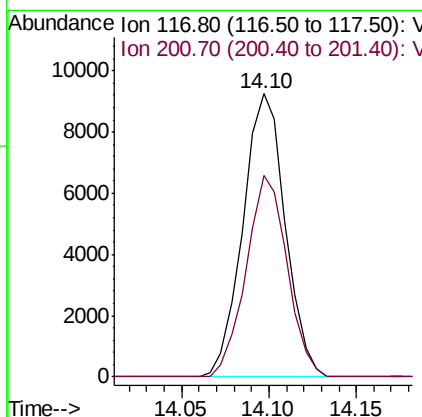
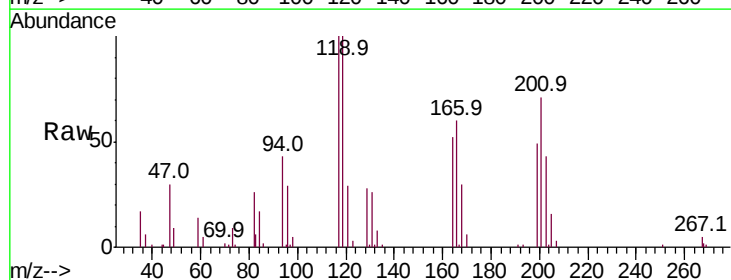
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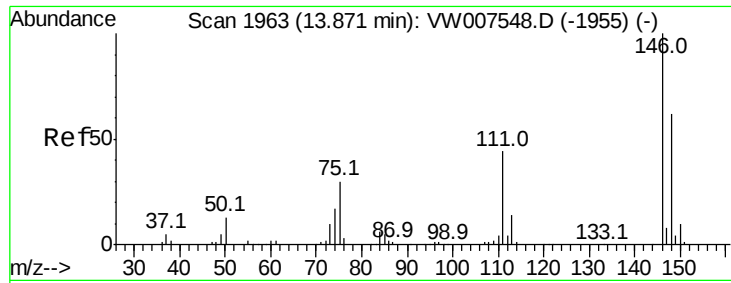
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#90
Hexachloroethane
Concen: 20.372 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.1	35.3	105.9





#91

1,2-Dichlorobenzene

Concen: 21.629 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Instrument :

MSVOA_W

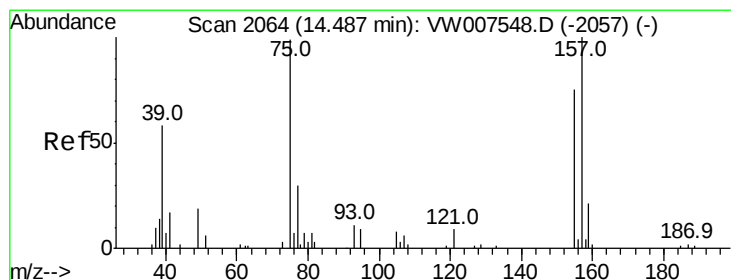
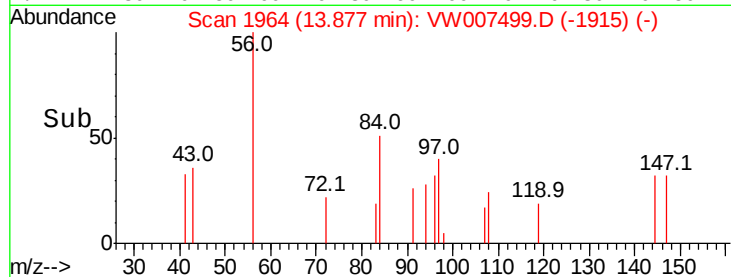
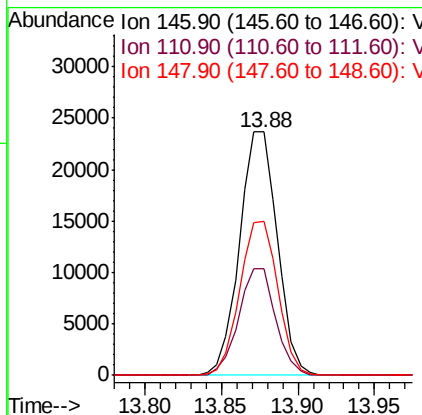
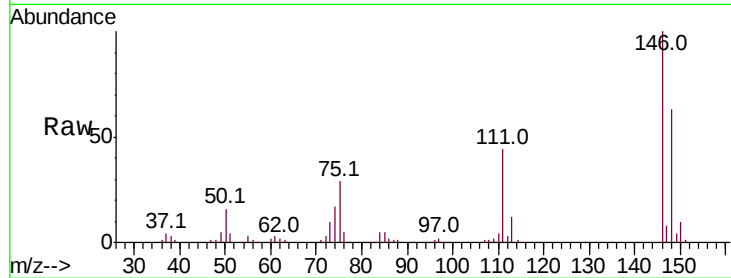
ClientSampleId :

VW1216SBS02

Tot Ion:	146	Resp:	40602
Ion Ratio	Lower	Upper	
146	100		
111	42.9	22.4	67.2
148	63.4	32.4	97.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.539 ug/l

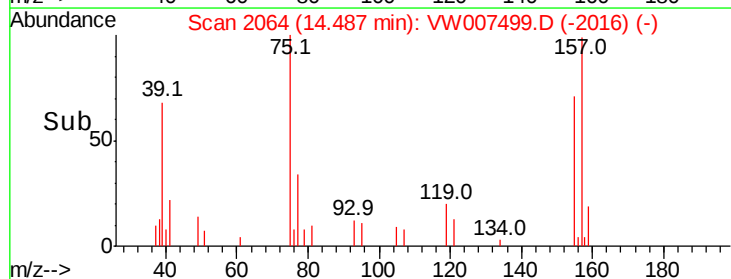
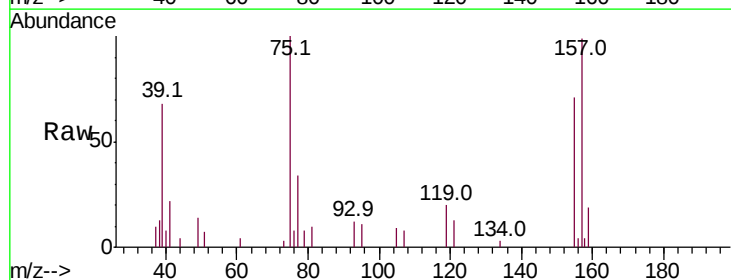
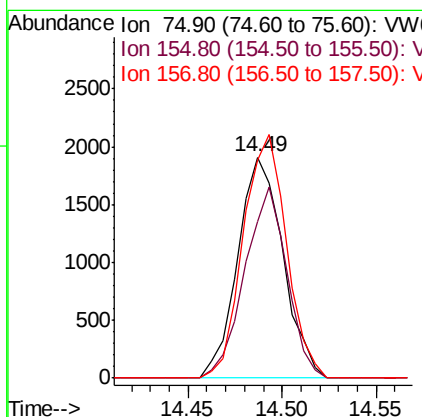
RT: 14.49 min Scan# 2064

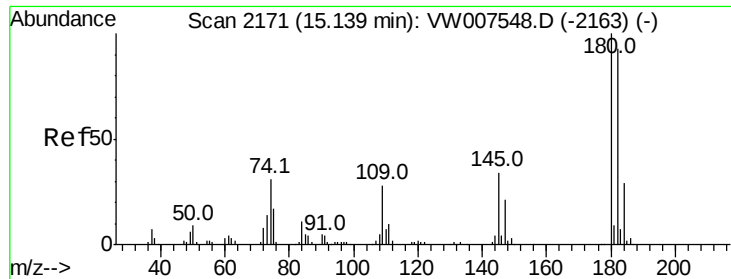
Delta R.T. -0.01 min

Lab File: VW007499.D

Acq: 13 Dec 2018 22:05

Tgt Ion:	75	Resp:	3177
Ion Ratio	Lower	Upper	
75	100		
155	80.3	40.8	122.2
157	105.3	51.1	153.4





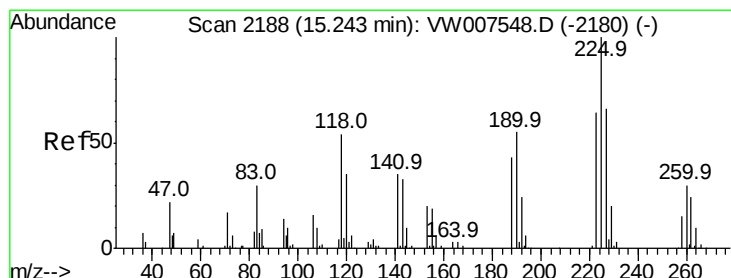
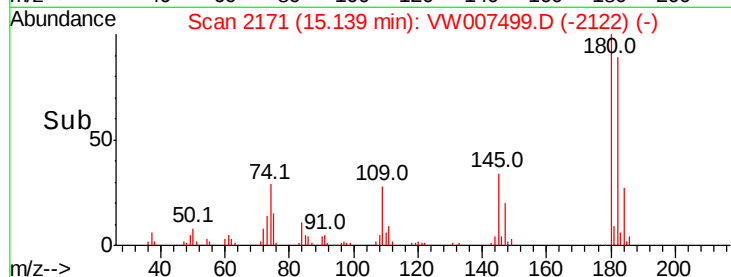
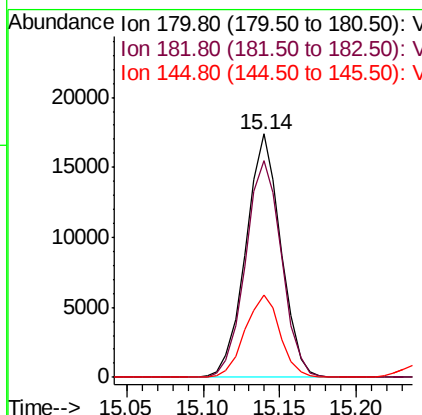
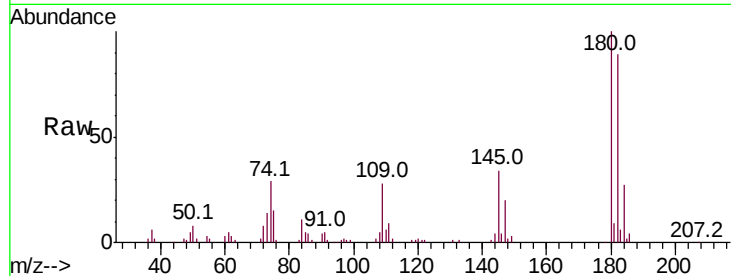
#93
1,2,4-Trichlorobenzene
Concen: 21.403 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27650		
182	91.4		49.9	149.6
145	33.8		17.8	53.4

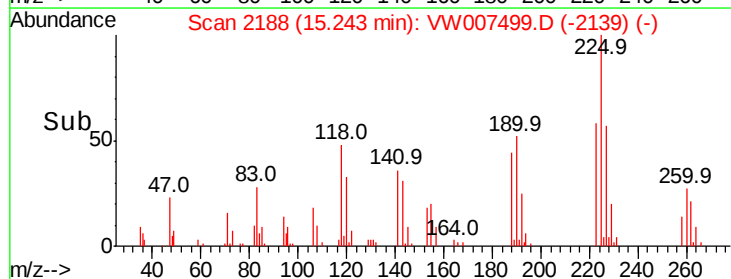
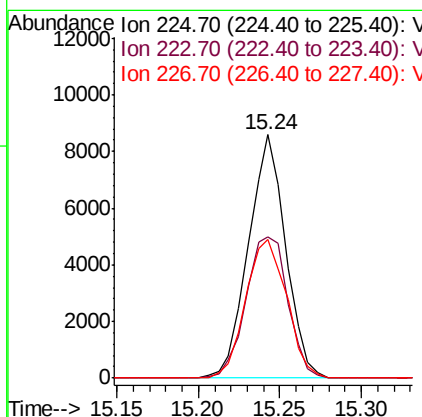
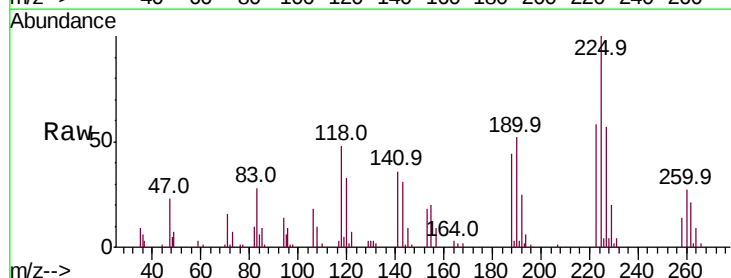
Manual Integrations
APPROVED

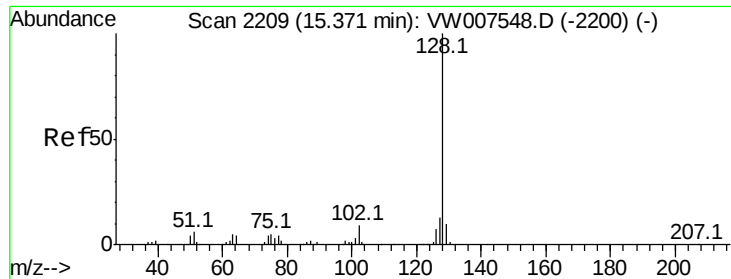
MMDadoda
12/24/2018 12:18:19 PM



#94
Hexachlorobutadiene
Concen: 19.872 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13621		
223	65.6		32.1	96.3
227	62.6		31.9	95.9





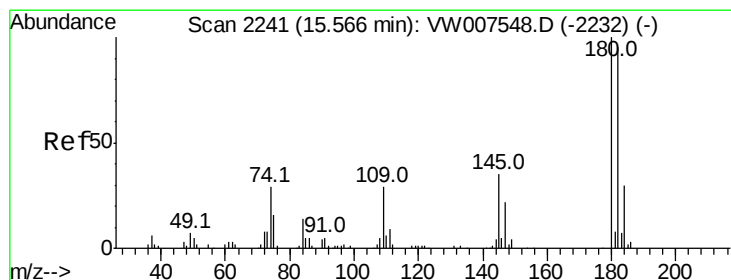
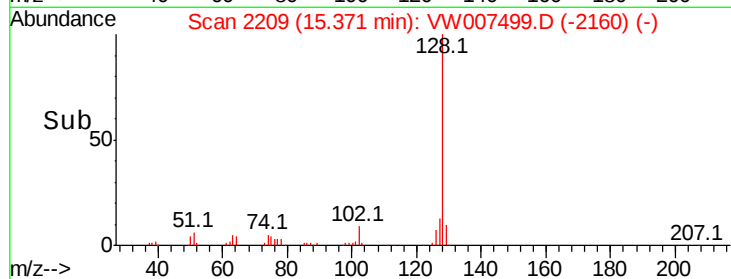
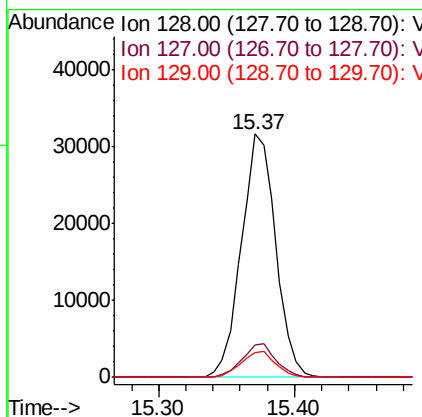
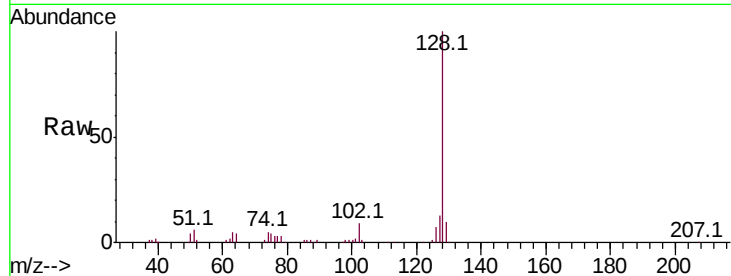
#95
Naphthalene
Concen: 22.614 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
12/24/2018 12:18:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.067 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007499.D
Acq: 13 Dec 2018 22:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	45.6	136.7
145	35.6	17.5	52.5

