

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121618\
 Data File : VW007500.D
 Acq On : 13 Dec 2018 22:31
 Operator : SY/AP
 Sample : VW1216SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 12:18:26 PM

Quant Time: Dec 14 04:40:37 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	86656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	144482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66254	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46040	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
35) Dibromofluoromethane	7.88	113	43680	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.32	98	164165	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.62	95	64744	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12657	20.901	ug/l	99
3) Chloromethane	2.21	50	10344	20.396	ug/l	99
4) Vinyl Chloride	2.37	62	12676	21.298	ug/l	99
5) Bromomethane	2.78	94	8466	21.171	ug/l	98
6) Chloroethane	2.93	64	6969	21.272	ug/l	95
7) Trichlorofluoromethane	3.26	101	9755	18.231	ug/l	92
8) Diethyl Ether	3.68	74	8556	20.430	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17625	19.963	ug/l	98
10) Methyl Iodide	4.26	142	30117	20.596	ug/l	99
11) Tert butyl alcohol	5.18	59	7031	106.488	ug/l	98
12) 1,1-Dichloroethene	4.03	96	16880	19.857	ug/l	94
13) Acrolein	3.89	56	4294	98.285	ug/l	97
14) Allyl chloride	4.66	41	25099	20.031	ug/l	97
15) Acrylonitrile	5.36	53	17669	100.081	ug/l	98
16) Acetone	4.12	43	16461	98.026	ug/l	96
17) Carbon Disulfide	4.37	76	50657	19.654	ug/l	97
18) Methyl Acetate	4.67	43	10926	23.973	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	27005	21.058	ug/l	99
20) Methylene Chloride	4.90	84	19701	19.027	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	18934	19.911	ug/l	95
22) Diisopropyl ether	6.31	45	49280	20.461	ug/l	95
23) Vinyl Acetate	6.25	43	133043	98.759	ug/l	100
24) 1,1-Dichloroethane	6.21	63	32212	19.789	ug/l	98
25) 2-Butanone	7.17	43	21592	98.492	ug/l	98
26) 2,2-Dichloropropane	7.16	77	20928	19.426	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	21232	20.391	ug/l	99
28) Bromochloromethane	7.51	49	11743	19.179	ug/l	99
29) Tetrahydrofuran	7.52	42	14377	103.592	ug/l	98
30) Chloroform	7.68	83	34895	19.699	ug/l	99
31) Cyclohexane	7.95	56	28877	19.335	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	30000	19.312	ug/l	100
36) 1,1-Dichloropropene	8.08	75	26694	20.253	ug/l	99
37) Ethyl Acetate	7.26	43	10393	21.201	ug/l	97
38) Carbon Tetrachloride	8.07	117	28522	19.888	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	32418	20.312	ug/l	92
40) Benzene	8.32	78	74882	20.472	ug/l	100
41) Methacrylonitrile	7.48	41	6786	24.309	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	23496	20.449	ug/l	99
43) Isopropyl Acetate	8.42	43	20006	20.660	ug/l	98
44) Trichloroethene	9.09	130	21606	20.686	ug/l	92
45) 1,2-Dichloropropane	9.37	63	17535	20.716	ug/l	95
46) Dibromomethane	9.46	93	9731	20.244	ug/l	99
47) Bromodichloromethane	9.64	83	25533	20.251	ug/l	96
48) Methyl methacrylate	9.43	41	9930	19.967	ug/l	100
49) 1,4-Dioxane	9.45	88	3370	432.086	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	48573	106.162	ug/l	98
52) Toluene	10.39	92	49624	20.964	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	25870	21.135	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	29040	20.523	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	13986	21.379	ug/l	90
56) Ethyl methacrylate	10.65	69	17702	22.512	ug/l	97
57) 1,3-Dichloropropane	10.93	76	24025	22.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	37951	104.659	ug/l	100
59) 2-Hexanone	10.97	43	32695	107.167	ug/l	98
60) Dibromochloromethane	11.13	129	17501	21.198	ug/l	100
61) 1,2-Dibromoethane	11.24	107	14176	21.927	ug/l	93
64) Tetrachloroethene	10.86	164	18421	19.633	ug/l	92
65) Chlorobenzene	11.66	112	55804	20.521	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	19667	20.534	ug/l	98
67) Ethyl Benzene	11.73	91	98171	20.997	ug/l	90
68) m/p-Xylenes	11.84	106	75577	41.581	ug/l	99
69) o-Xylene	12.17	106	35514	20.921	ug/l	94
70) Styrene	12.18	104	59428	21.674	ug/l	98
71) Bromoform	12.35	173	9764	19.917	ug/l #	100
73) Isopropylbenzene	12.47	105	101083	19.911	ug/l	99
74) N-amyl acetate	12.27	43	18749	20.321	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	15963	21.230	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	11922m	21.824	ug/l	
77) Bromobenzene	12.75	156	22259	19.781	ug/l	92
78) n-propylbenzene	12.80	91	118662	20.769	ug/l	99
79) 2-Chlorotoluene	12.90	91	68901	19.931	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	87112	20.422	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	4742	19.175	ug/l	98
82) 4-Chlorotoluene	12.99	91	73040	20.044	ug/l	97
83) tert-Butylbenzene	13.21	119	76342	20.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	89011	20.278	ug/l	98
85) sec-Butylbenzene	13.39	105	104295	20.327	ug/l	95
86) p-Isopropyltoluene	13.50	119	93419	20.267	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	45156	20.127	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	45612	20.222	ug/l	96
89) n-Butylbenzene	13.83	91	86803	20.313	ug/l	98
90) Hexachloroethane	14.10	117	16276	19.845	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	40512	20.160	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2854	18.914	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27277	19.724	ug/l	95
94) Hexachlorobutadiene	15.24	225	14542	19.818	ug/l	96
95) Naphthalene	15.37	128	53606	20.263	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	24060	20.028	ug/l	97

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

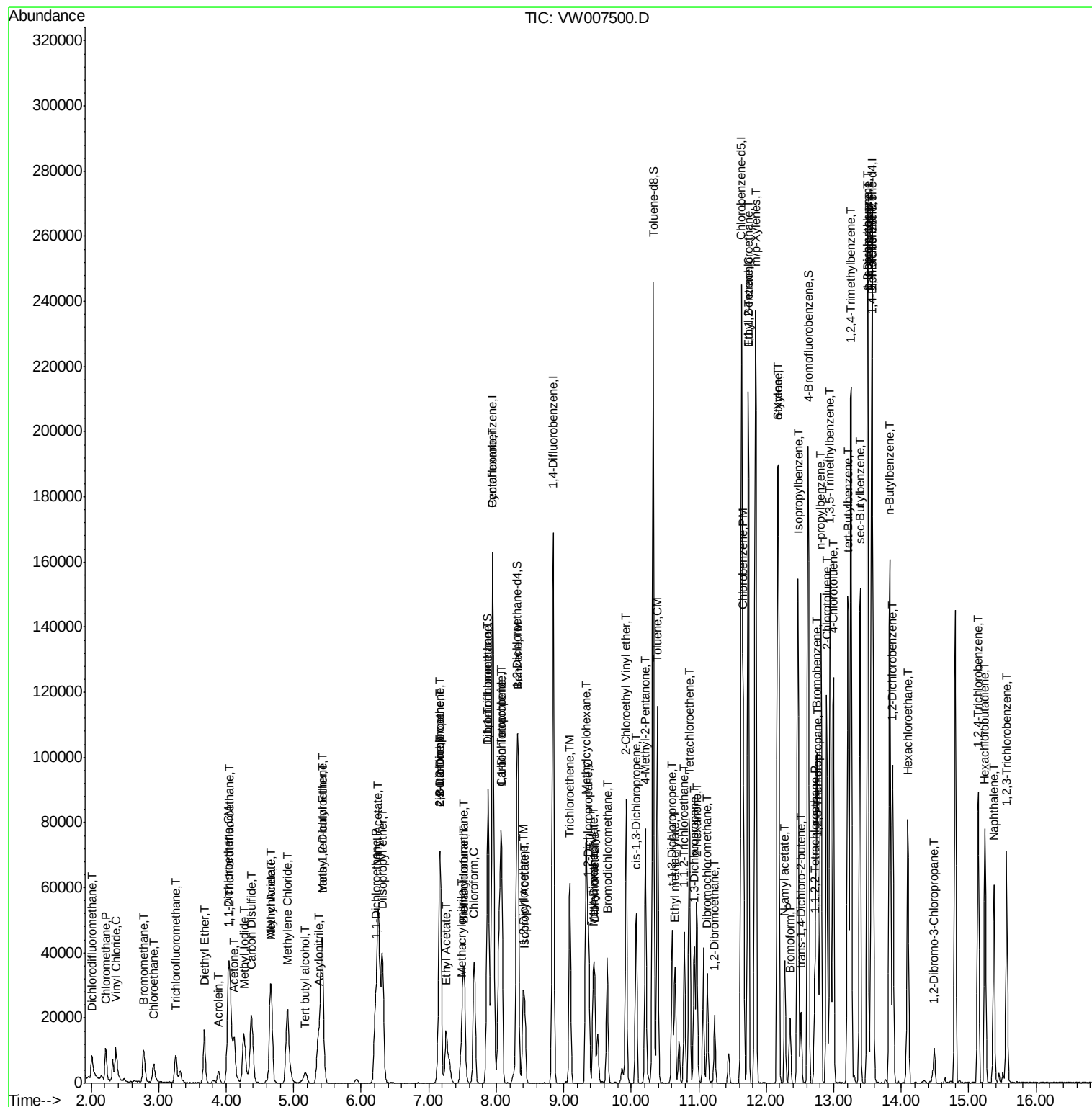
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Data File : VW007500.D
Acq On : 13 Dec 2018 22:31
Operator : SY/AP
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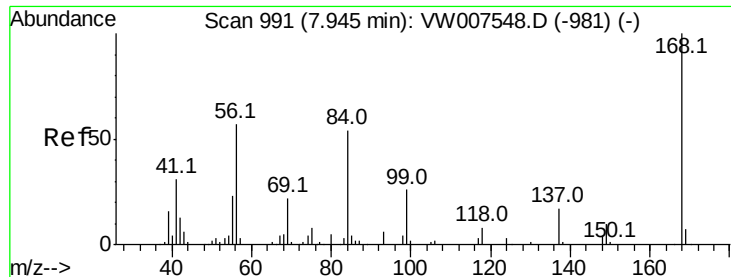
Instrument :
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ClientSampleId :
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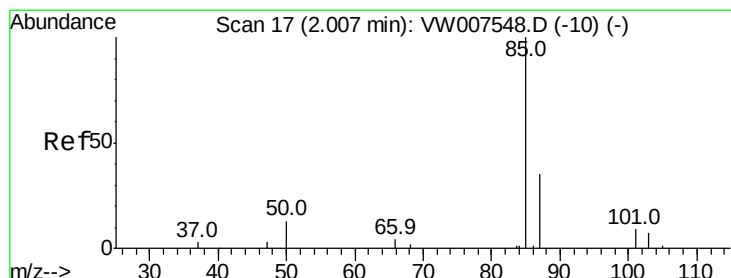
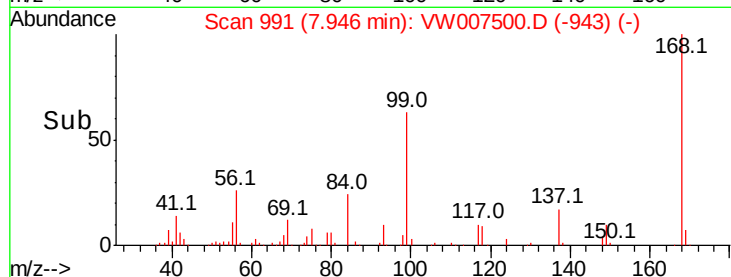
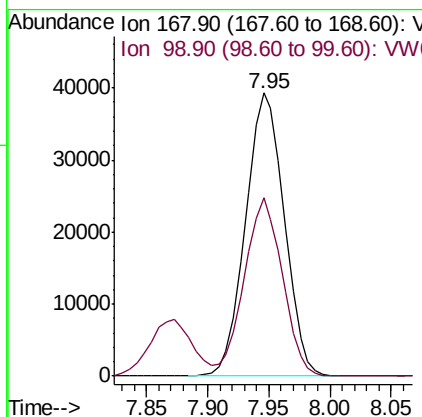
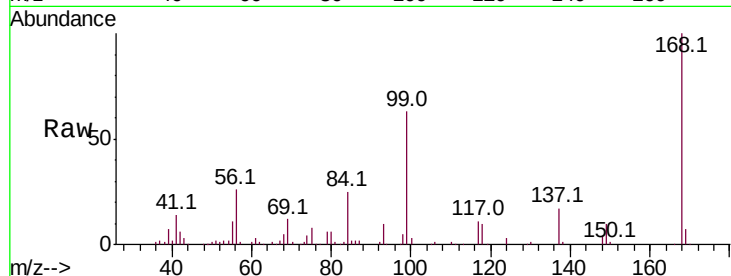
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

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ClientSampleId :
VW1216SBS02

Tot Ion:168 Resp: 86656
Ion Ratio Lower Upper
168 100
99 62.8 48.3 72.5

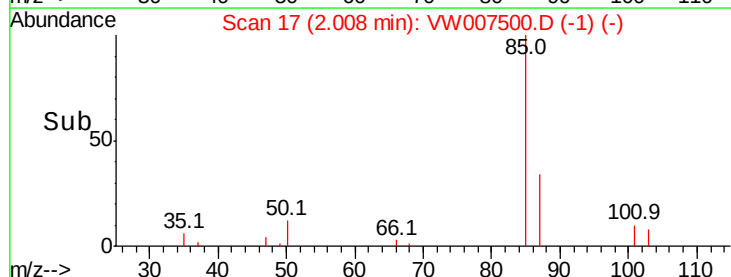
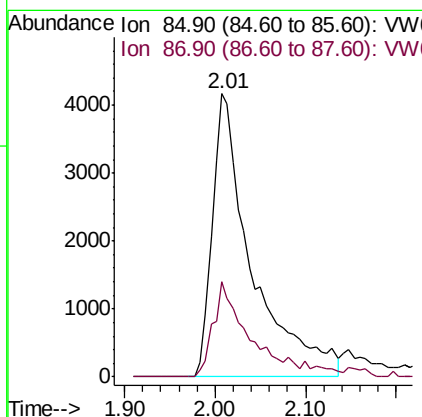
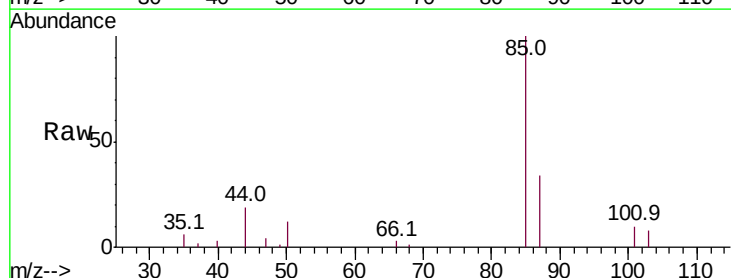
Manual Integrations
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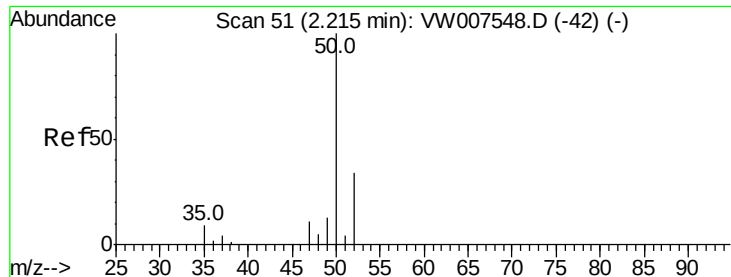
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#2
Dichlorodifluoromethane
Concen: 20.901 ug/l
RT: 2.01 min Scan# 17
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion: 85 Resp: 12657
Ion Ratio Lower Upper
85 100
87 33.8 16.6 49.7





#3

Chloromethane

Concen: 20.396 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 50 Resp: 10344

Ion Ratio Lower Upper

50 100

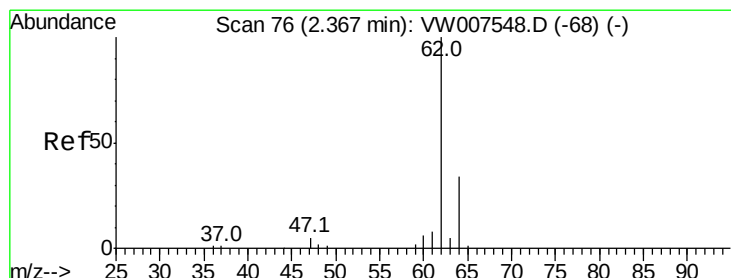
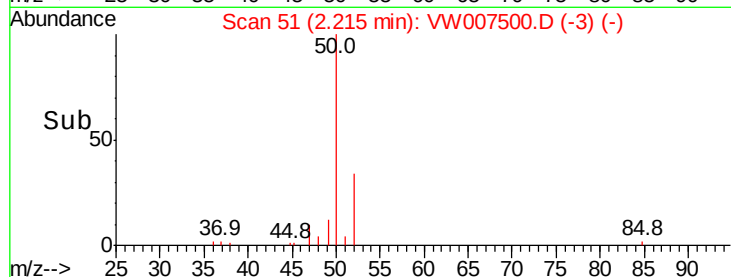
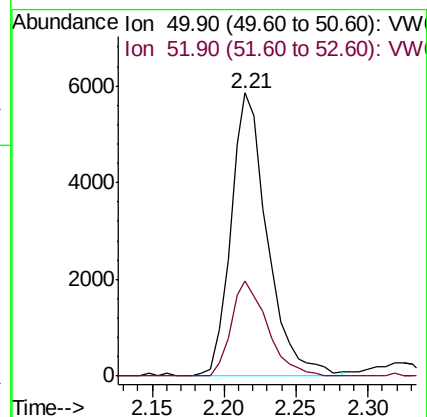
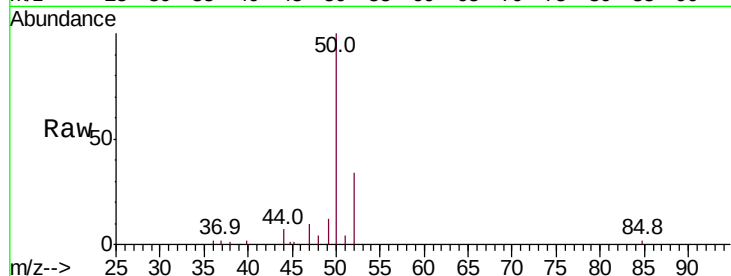
52 33.7 27.4 41.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.298 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007500.D

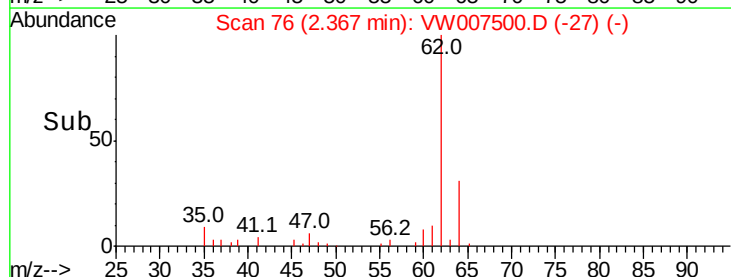
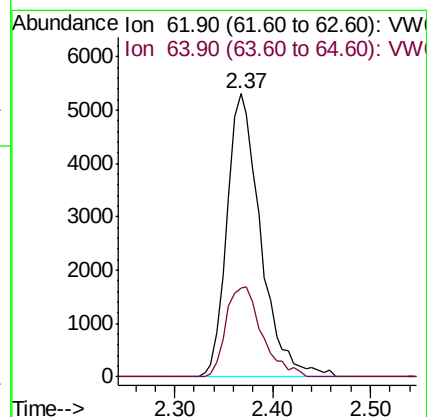
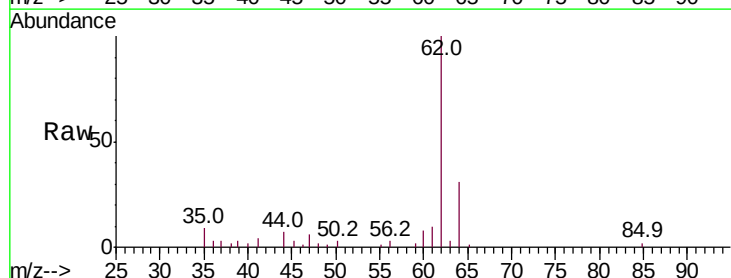
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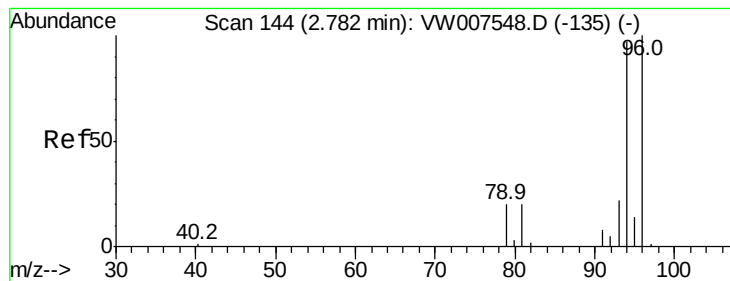
Tgt Ion: 62 Resp: 12676

Ion Ratio Lower Upper

62 100

64 31.2 24.6 37.0





#5

Bromomethane

Concen: 21.171 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 94 Resp: 8466

Ion Ratio Lower Upper

94 100

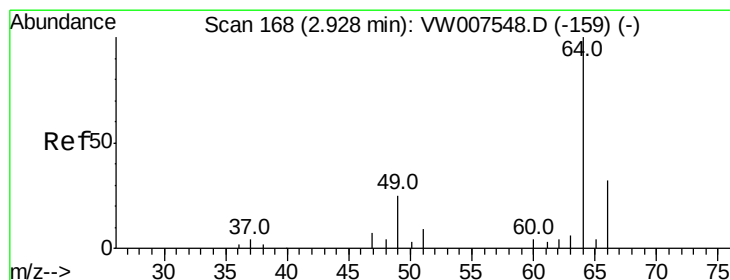
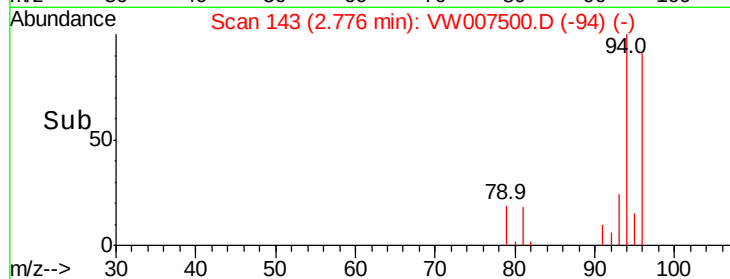
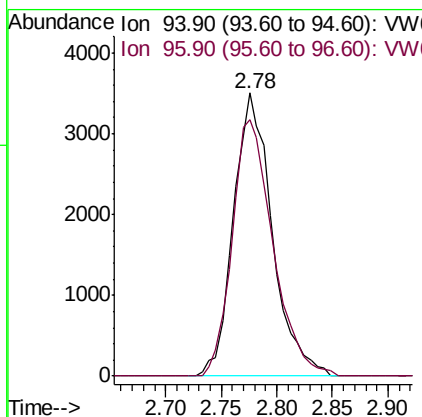
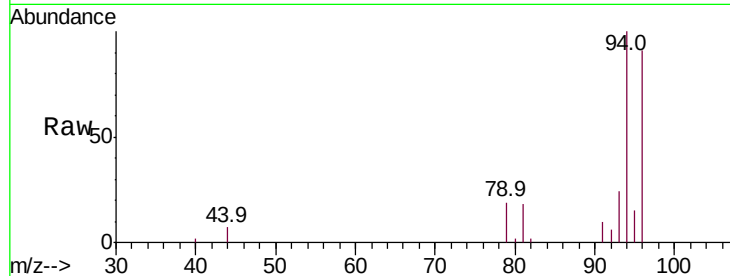
96 90.8 71.0 106.4

Manual Integrations

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#6

Chloroethane

Concen: 21.272 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007500.D

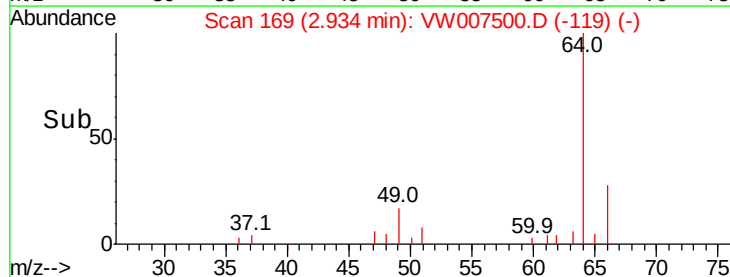
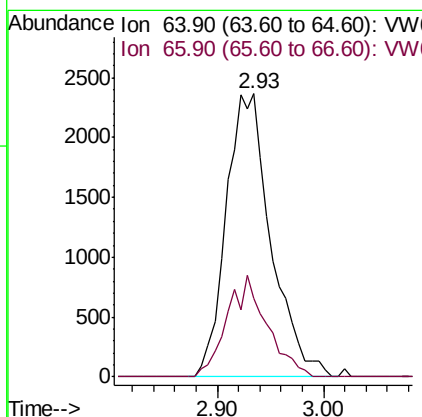
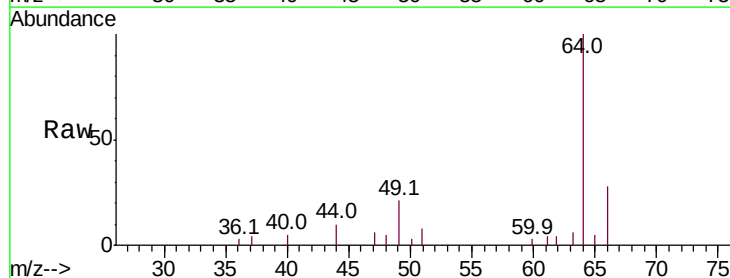
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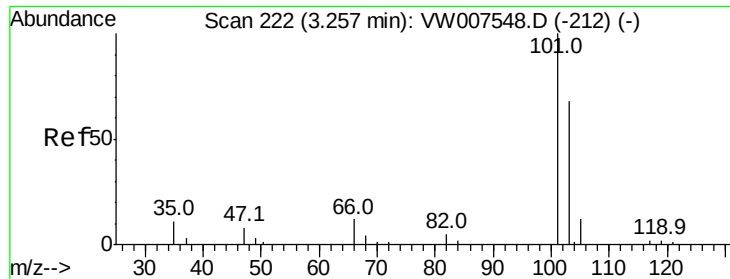
Tgt Ion: 64 Resp: 6969

Ion Ratio Lower Upper

64 100

66 27.8 24.6 37.0





#7

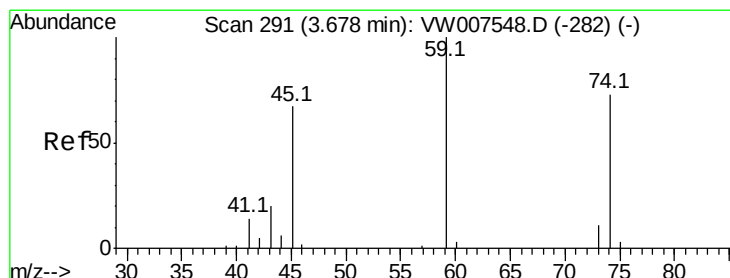
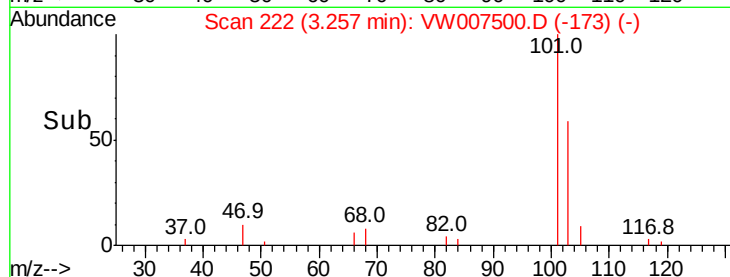
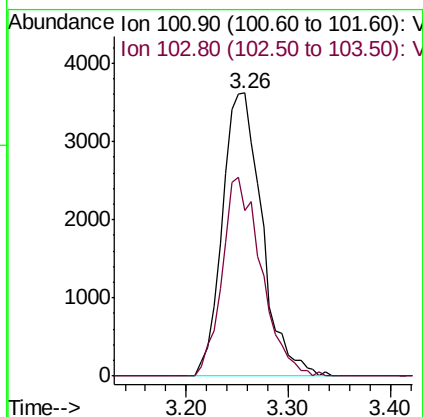
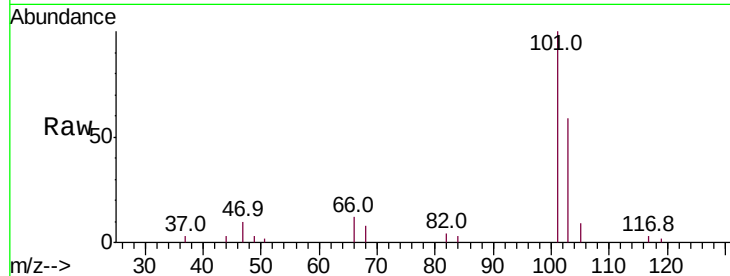
Trichlorofluoromethane
Concen: 18.231 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion:101 Resp: 9755
Ion Ratio Lower Upper
101 100
103 58.6 51.7 77.5

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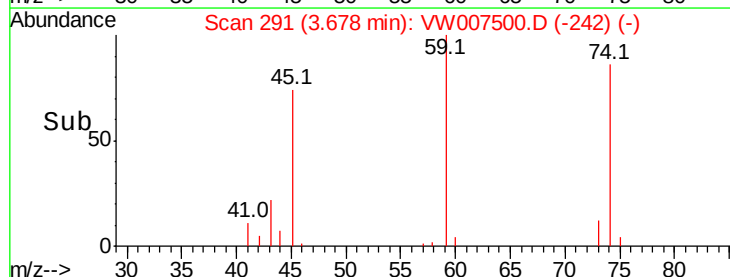
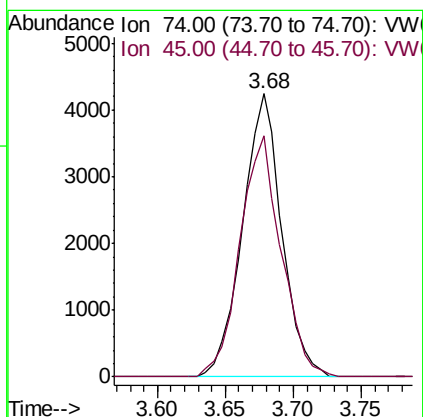
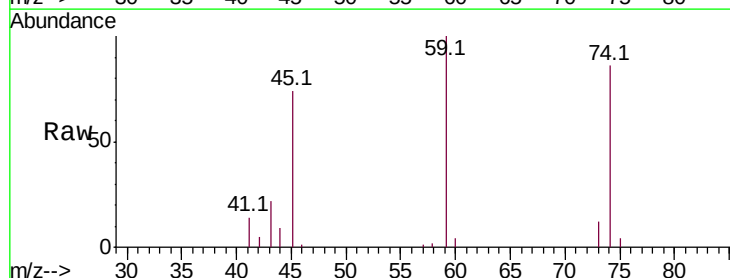
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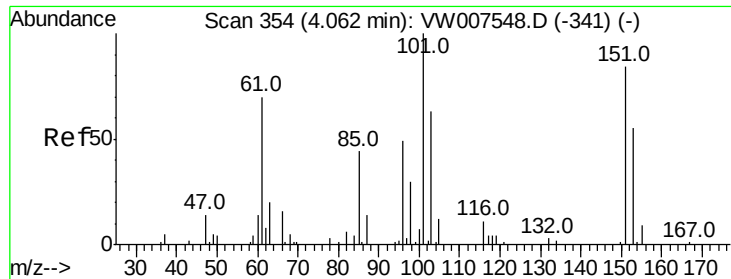


#8

Diethyl Ether
Concen: 20.430 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion: 74 Resp: 8556
Ion Ratio Lower Upper
74 100
45 89.3 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.963 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

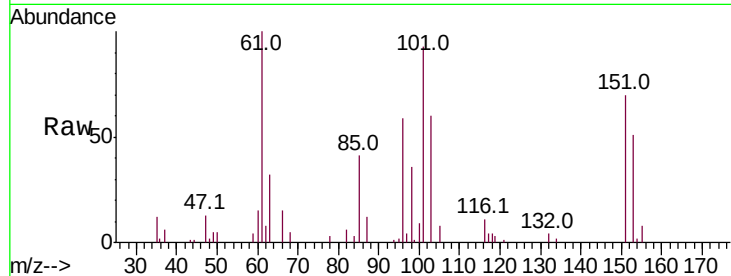
ClientSampleId :

VW1216SBS02

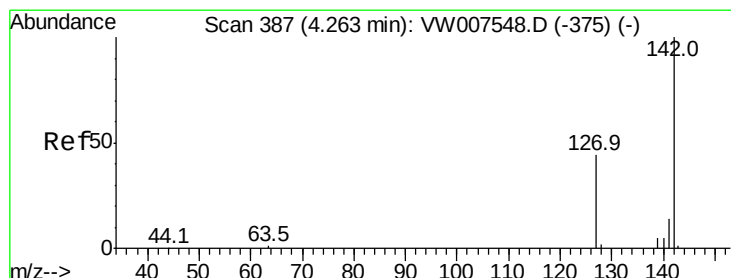
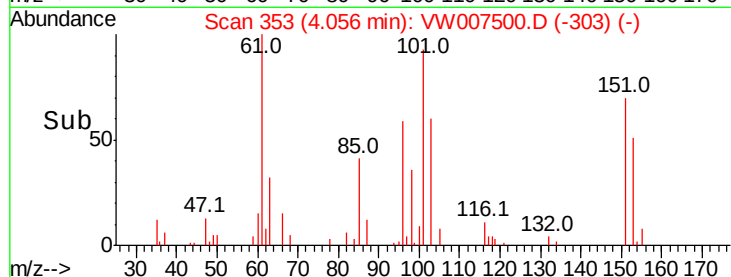
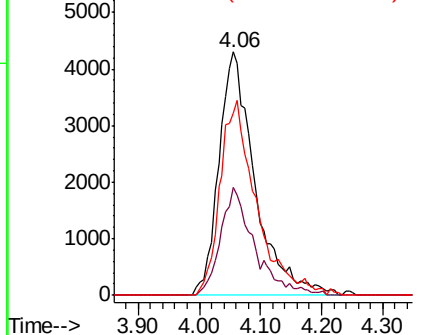
Tot Ion:	101	Resp:	17625
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.9	50.9
151	77.6	63.7	95.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.596 ug/l

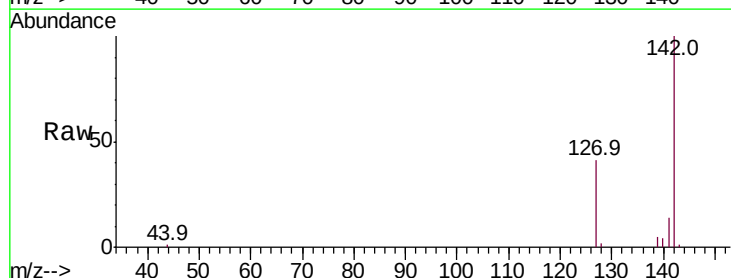
RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

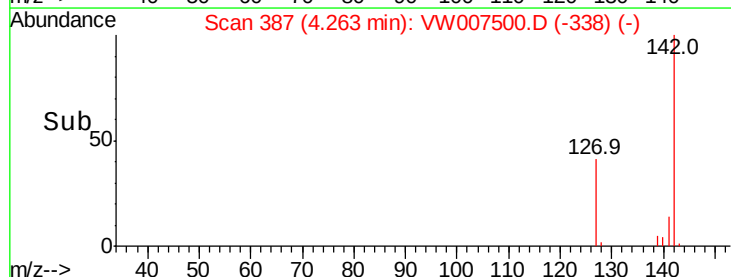
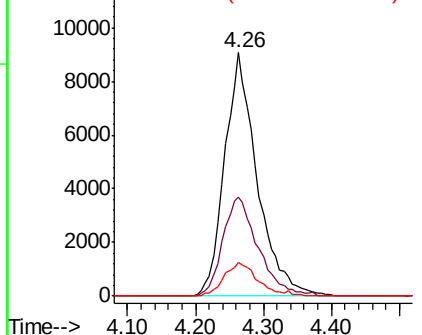
Lab File: VW007500.D

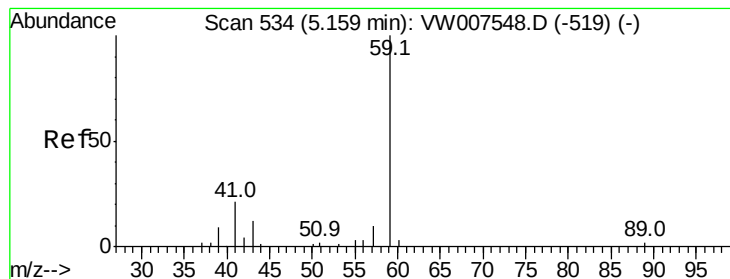
Acq: 13 Dec 2018 22:31

Tgt Ion:	142	Resp:	30117
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.8	53.6
141	14.3	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

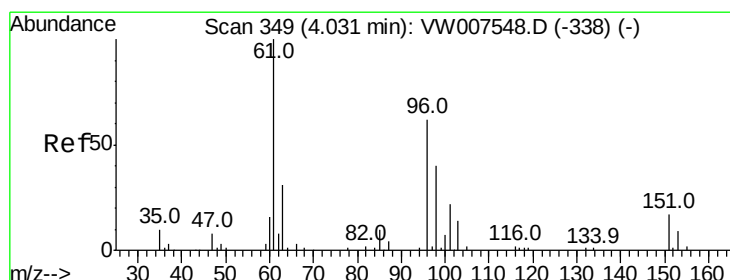
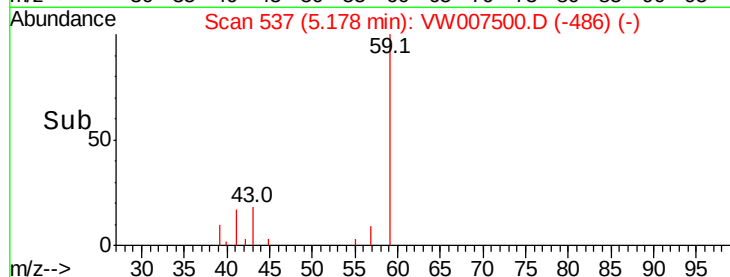
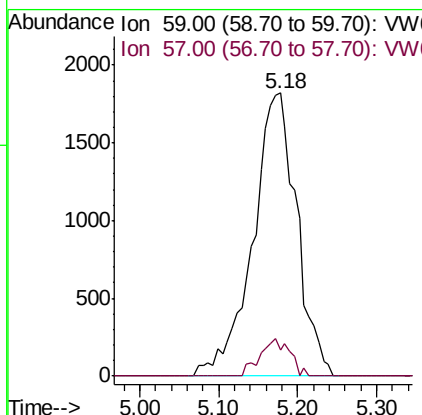
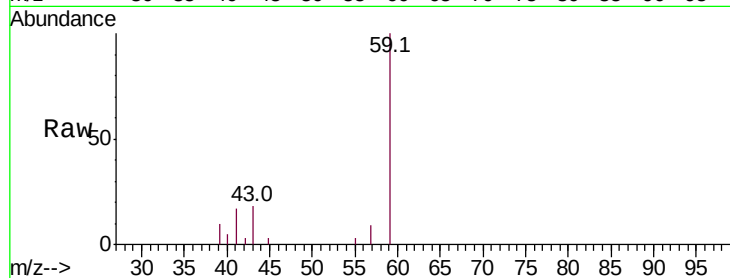
Tert butyl alcohol
Concen: 106.488 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.6	11.4

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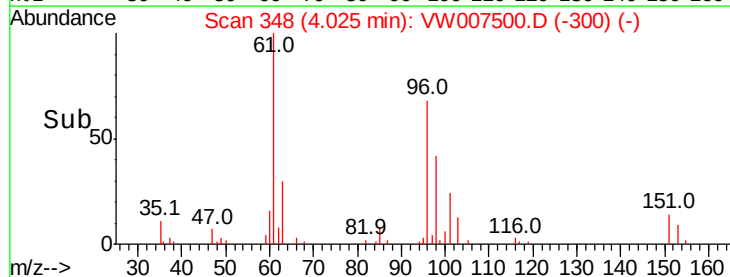
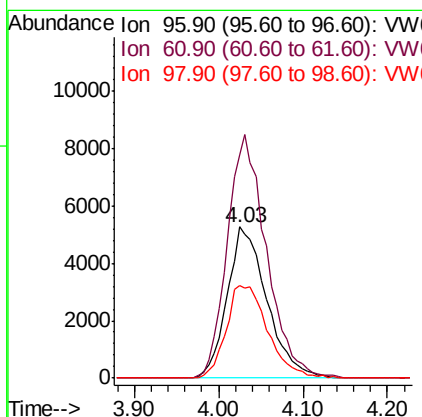
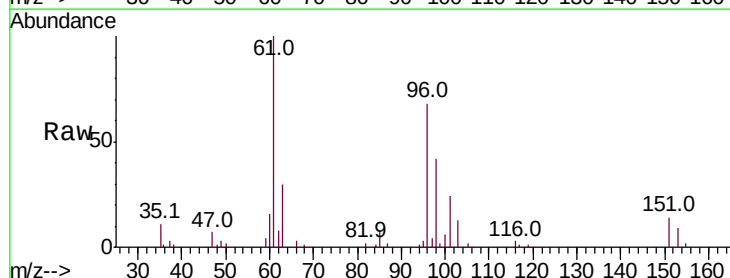
MMDadoda
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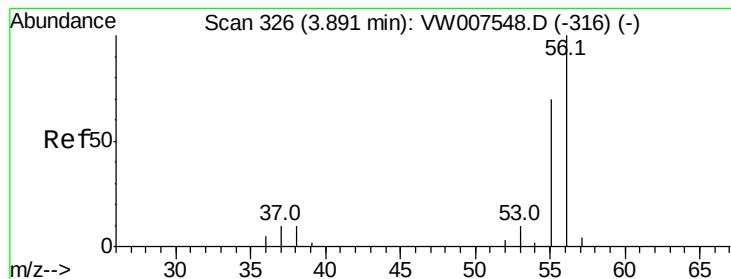


#12

1,1-Dichloroethene
Concen: 19.857 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.4	126.2	189.2
98	61.3	48.3	72.5





#13

Acrolein

Concen: 98.285 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 56 Resp: 4294

Ion Ratio Lower Upper

56 100

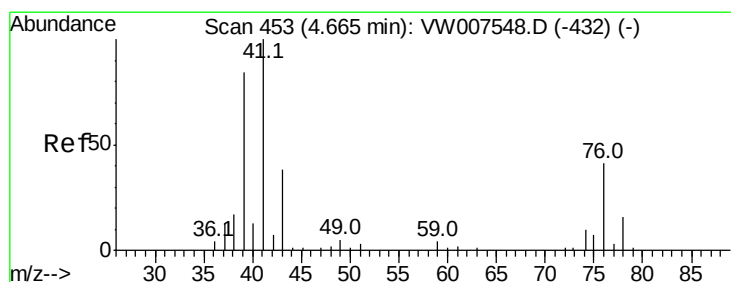
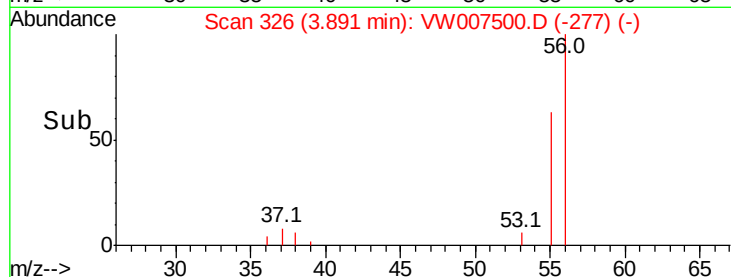
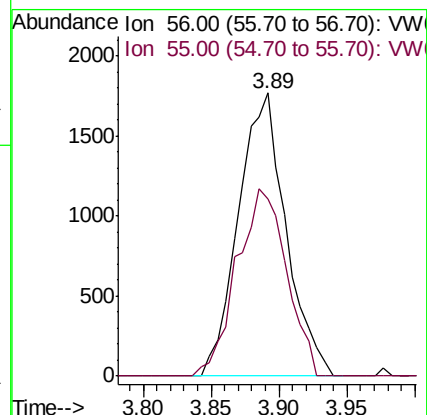
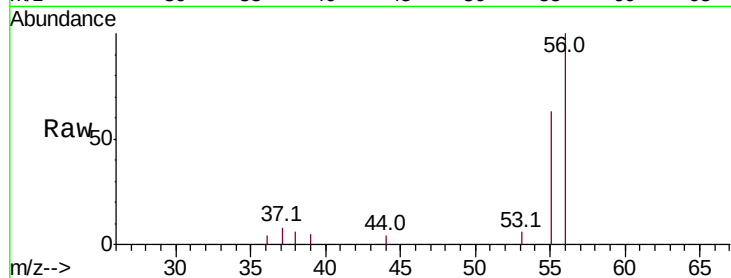
55 69.3 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.031 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

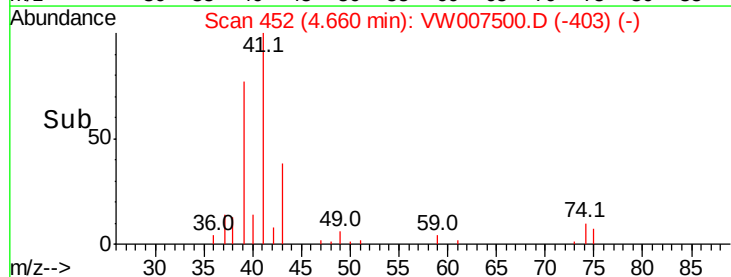
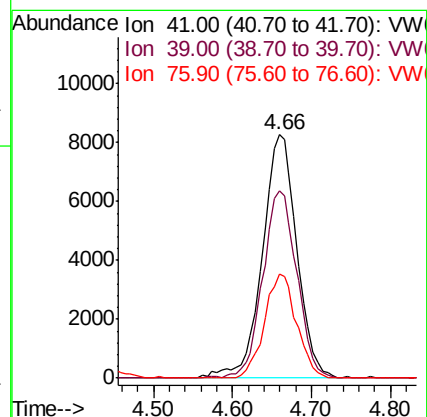
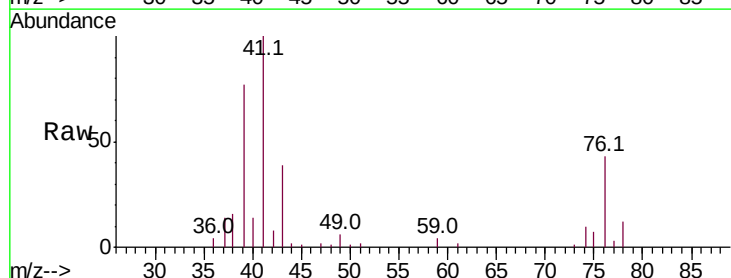
Tgt Ion: 41 Resp: 25099

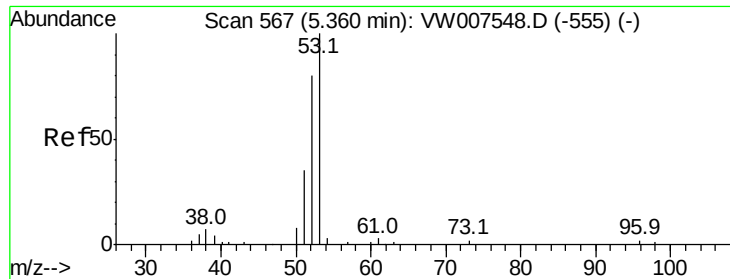
Ion Ratio Lower Upper

41 100

39 76.1 63.4 95.2

76 39.9 32.1 48.1





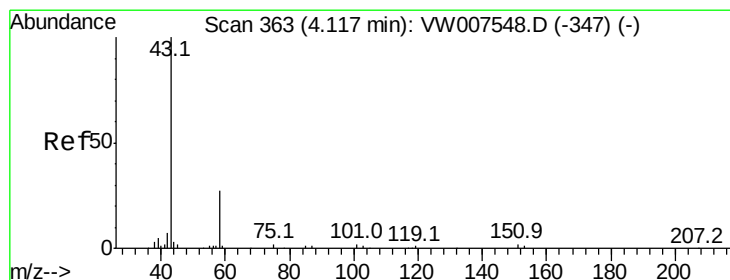
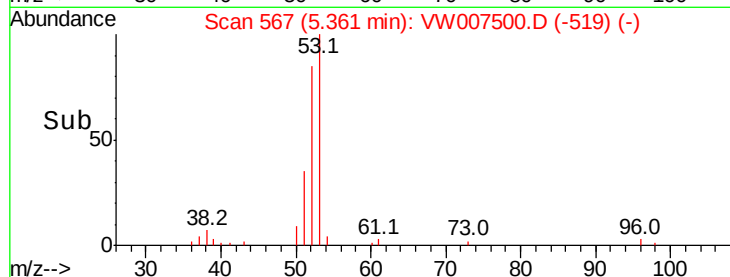
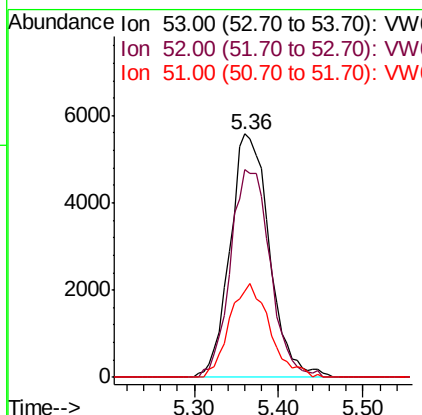
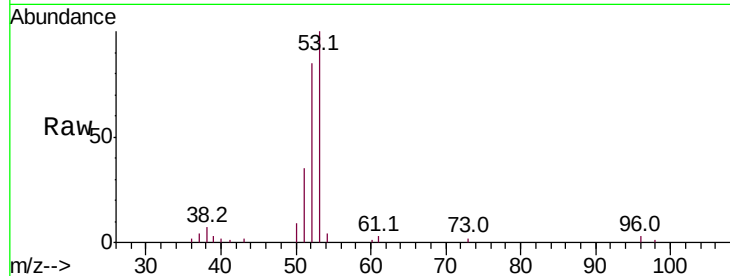
#15
 Acrylonitrile
 Concen: 100.081 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	53	Resp	17669
Ion Ratio	Lower	Upper	
53	100		
52	86.1	67.4	101.2
51	39.3	30.2	45.2

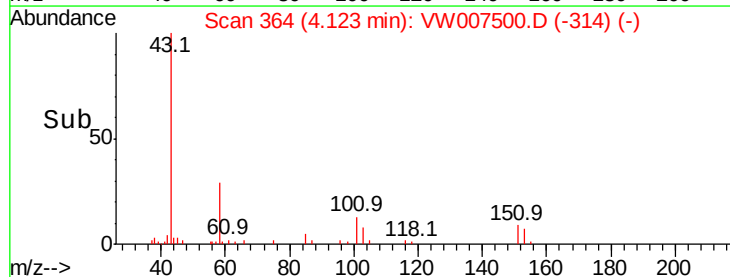
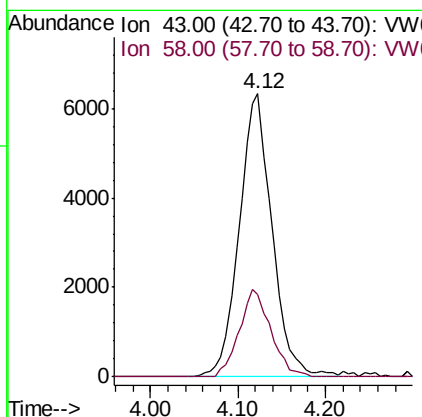
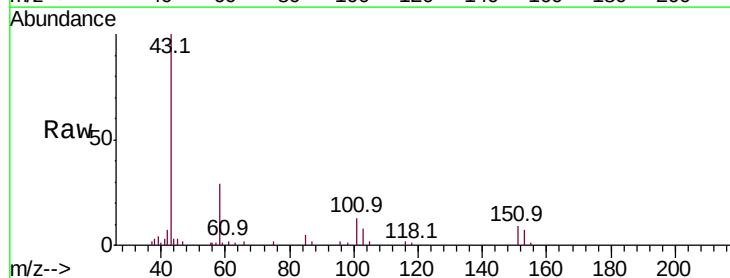
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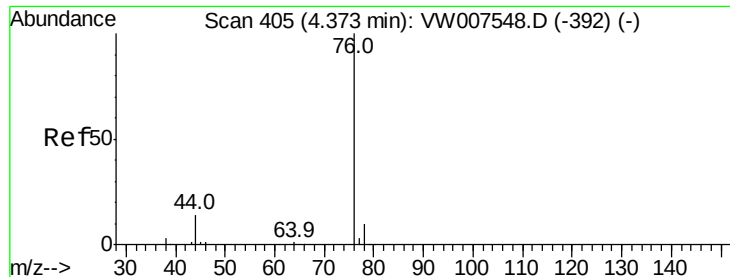
MMDadoda
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#16
 Acetone
 Concen: 98.026 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Tgt Ion	43	Resp	16461
Ion Ratio	Lower	Upper	
43	100		
58	29.1	24.9	37.3





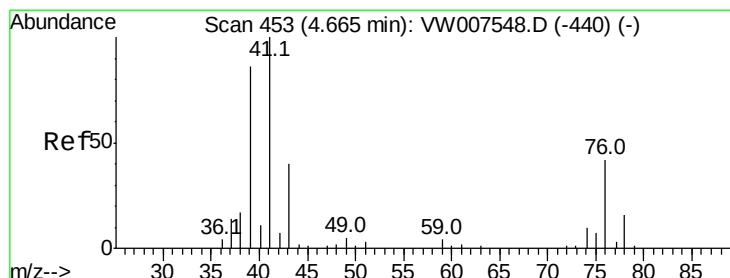
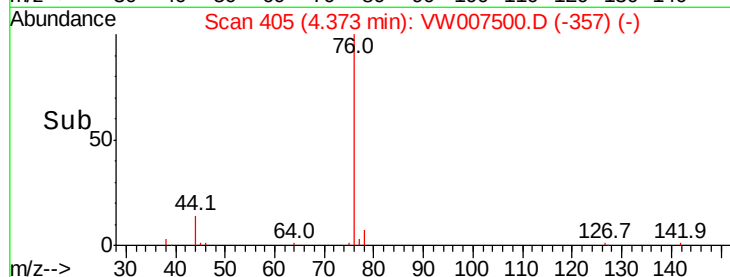
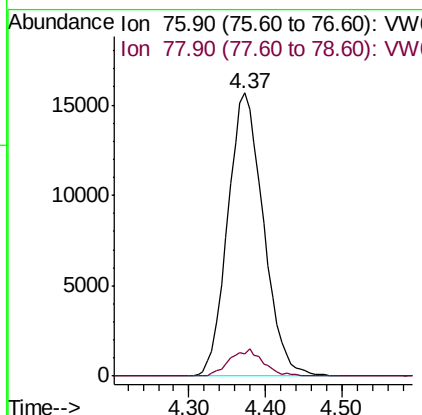
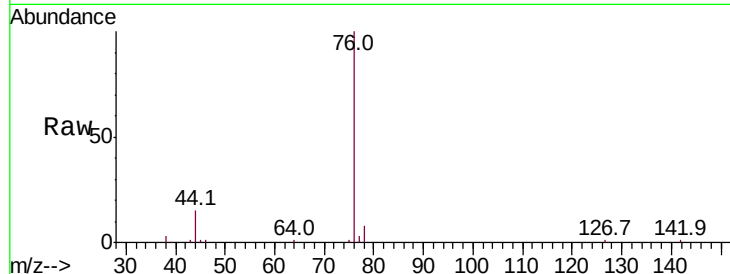
#17
Carbon Disulfide
Concen: 19.654 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.1	10.7

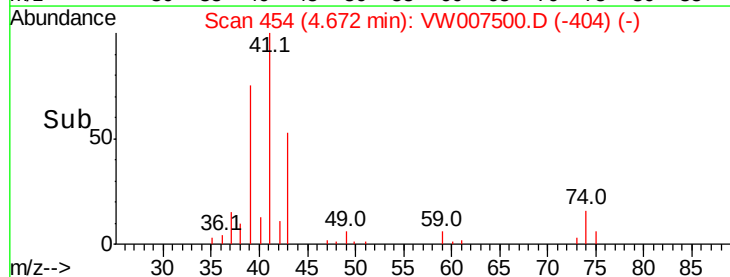
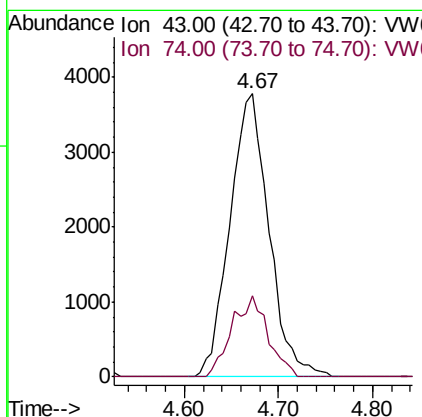
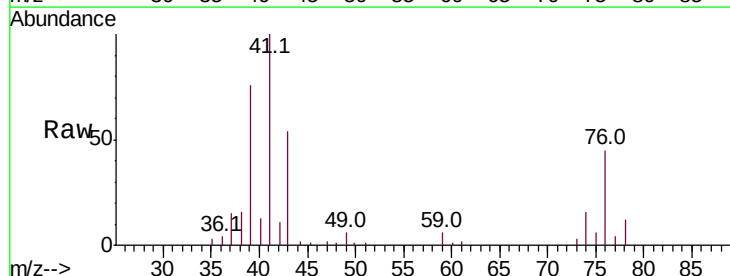
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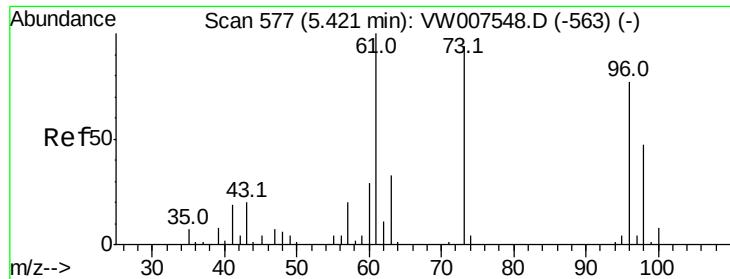
MMDadoda
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#18
Methyl Acetate
Concen: 23.973 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.1	31.7





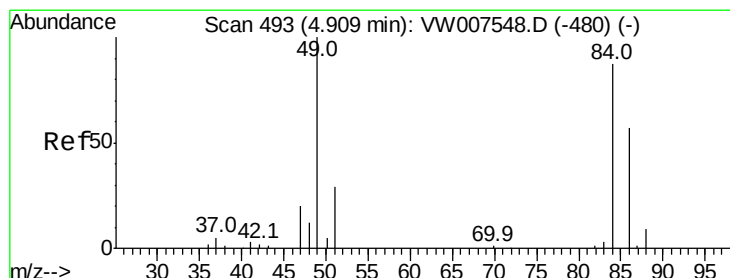
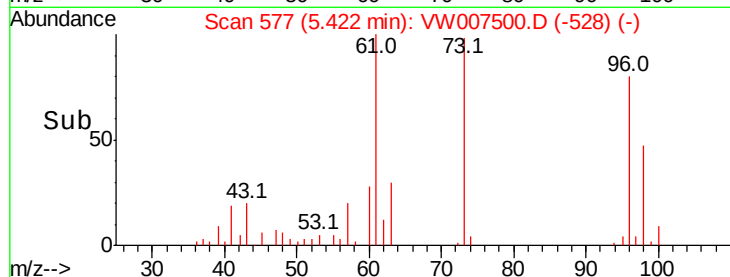
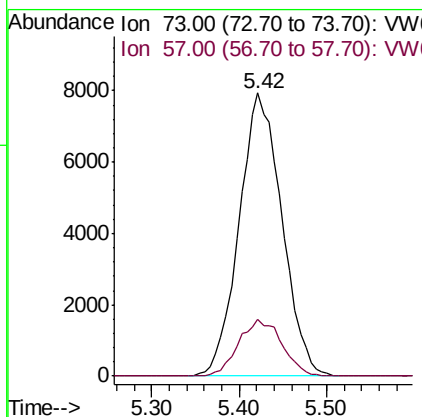
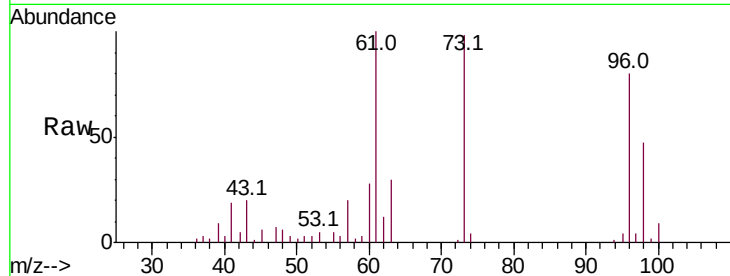
#19
Methyl tert-butyl Ether
Concen: 21.058 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion: 73 Resp: 27005
Ion Ratio Lower Upper
73 100
57 20.2 16.4 24.6

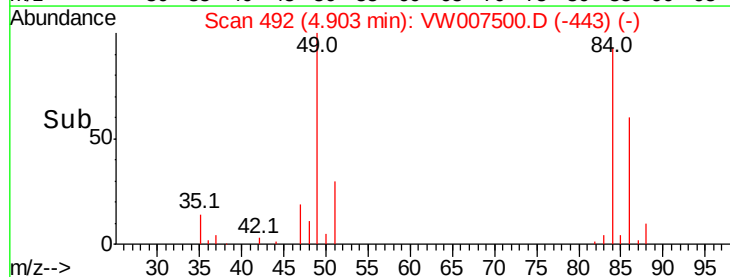
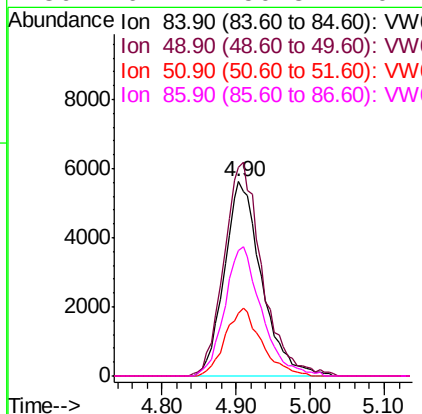
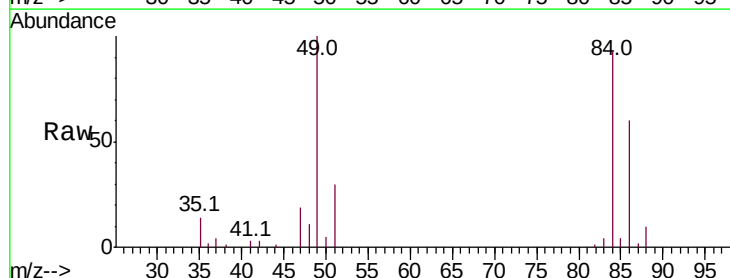
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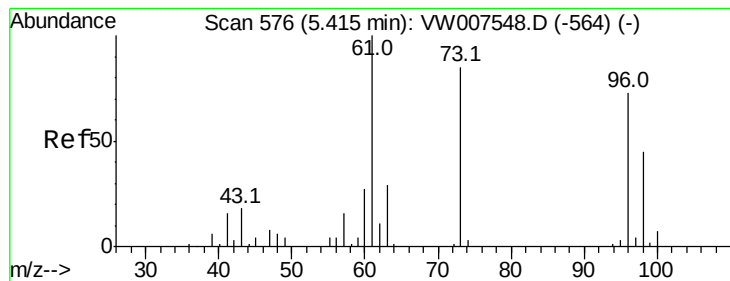
MMDadoda
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#20
Methylene Chloride
Concen: 19.027 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion: 84 Resp: 19701
Ion Ratio Lower Upper
84 100
49 107.6 87.1 130.7
51 32.2 28.2 42.2
86 64.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.911 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 96 Resp: 18934

Ion Ratio Lower Upper

96 100

61 124.9 105.0 157.6

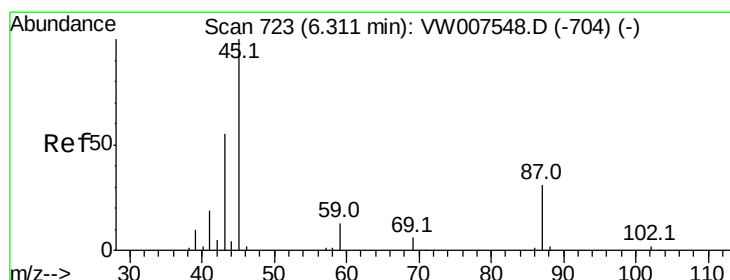
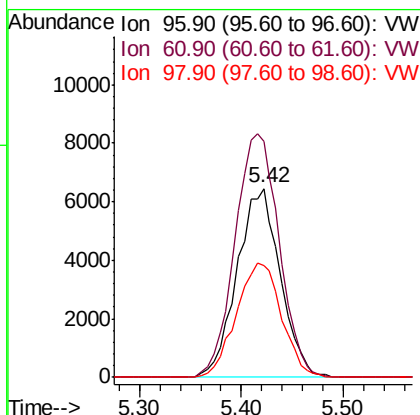
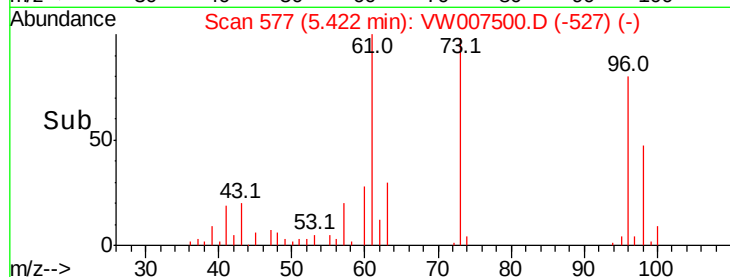
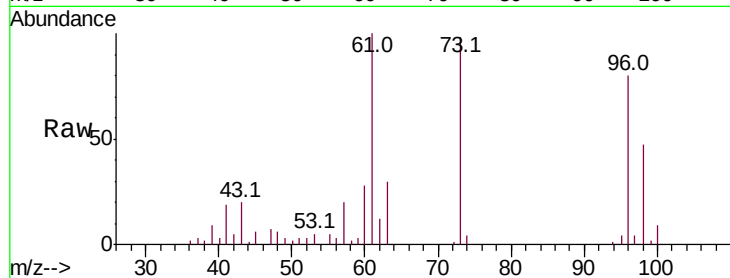
98 59.0 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.461 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion: 45 Resp: 49280

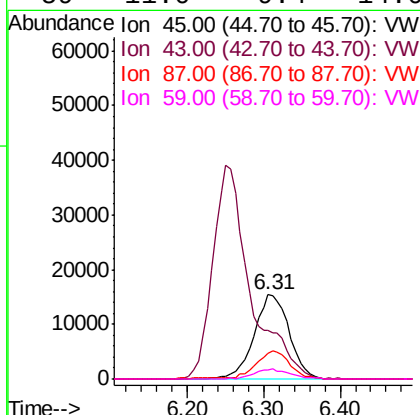
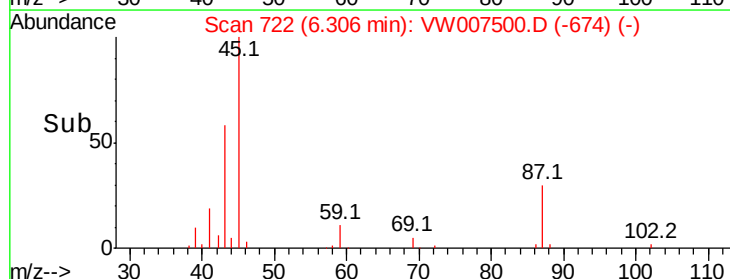
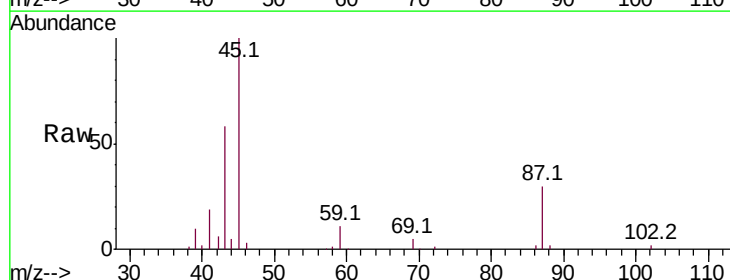
Ion Ratio Lower Upper

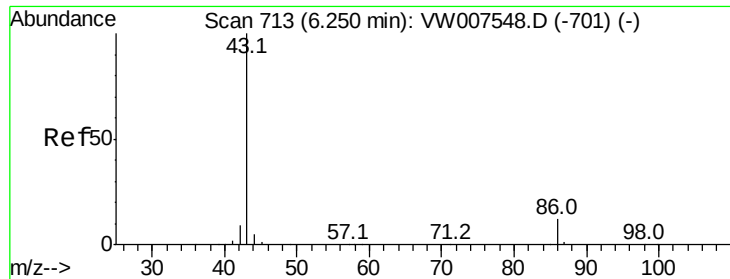
45 100

43 57.4 41.6 62.4

87 30.5 24.3 36.5

59 11.0 9.4 14.0





#23

Vinyl Acetate

Concen: 98.759 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 43 Resp: 133043

Ion Ratio Lower Upper

43 100

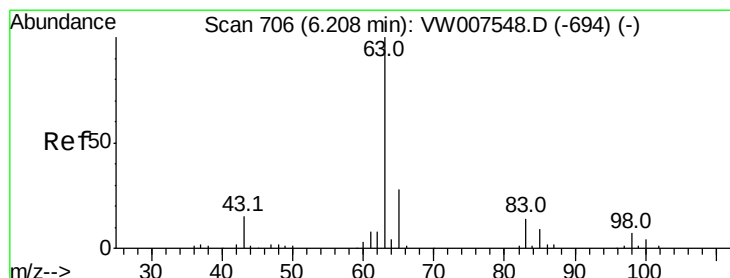
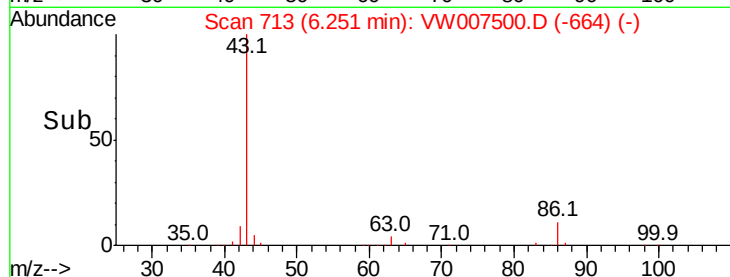
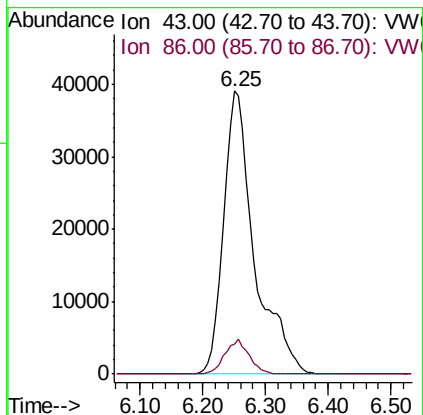
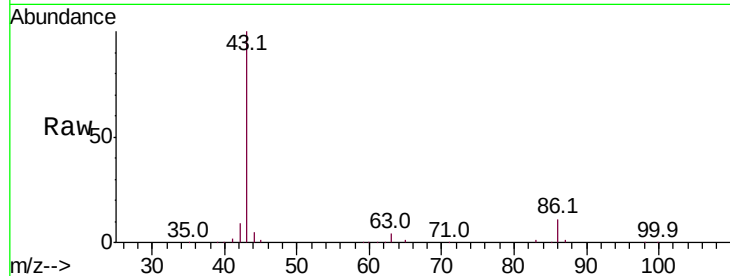
86 10.6 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.789 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

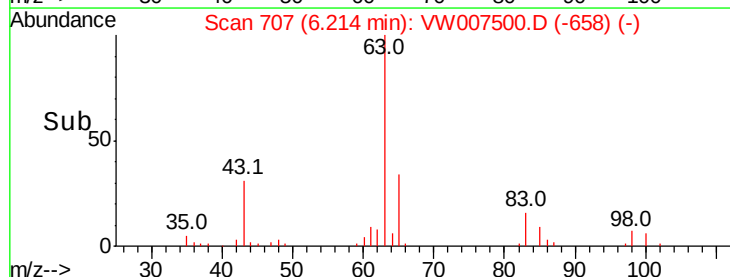
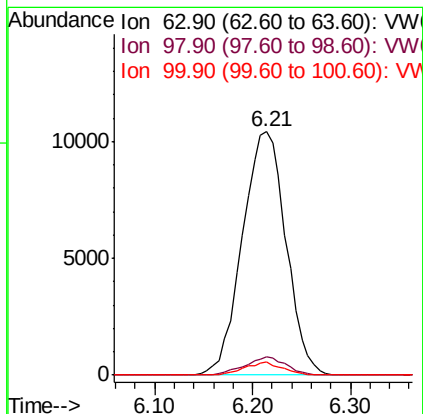
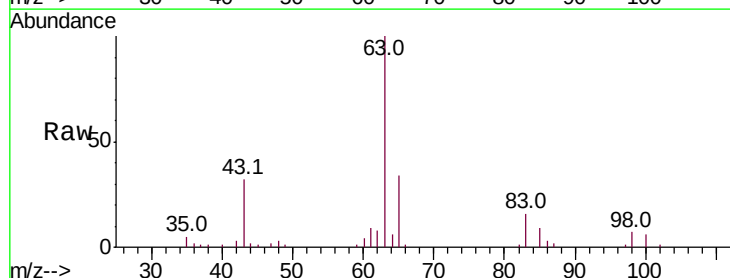
Tgt Ion: 63 Resp: 32212

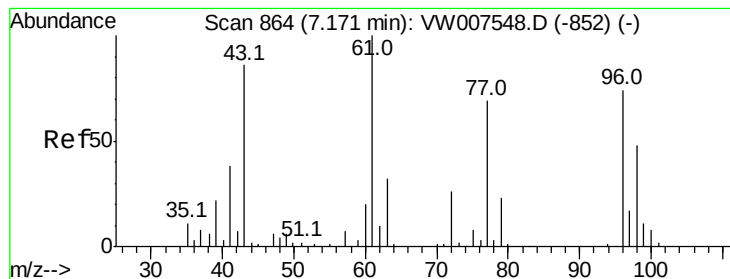
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 5.6 2.5 7.5





#25

2-Butanone

Concen: 98.492 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 43 Resp: 21592

Ion Ratio Lower Upper

43 100

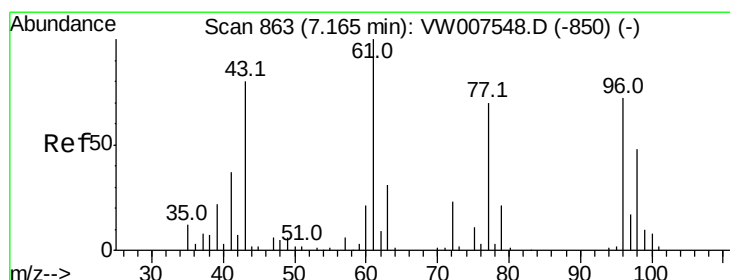
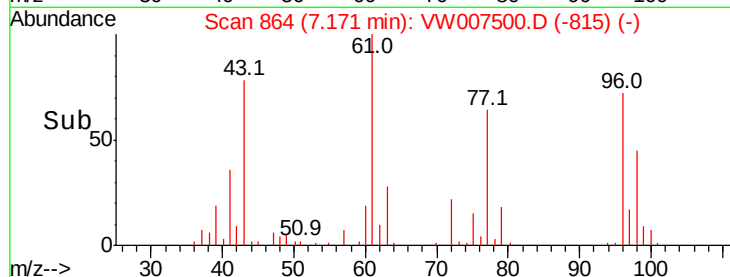
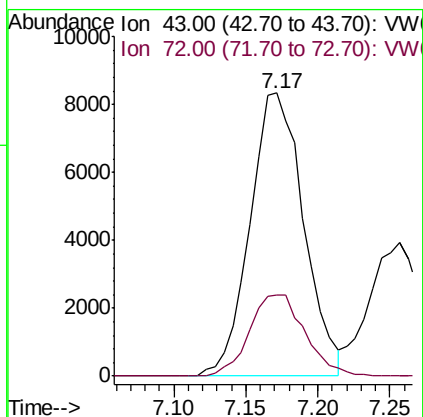
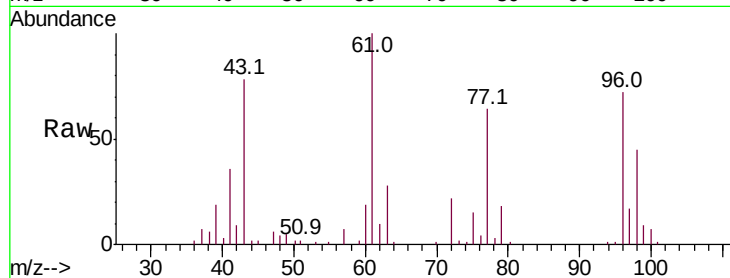
72 28.5 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.426 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007500.D

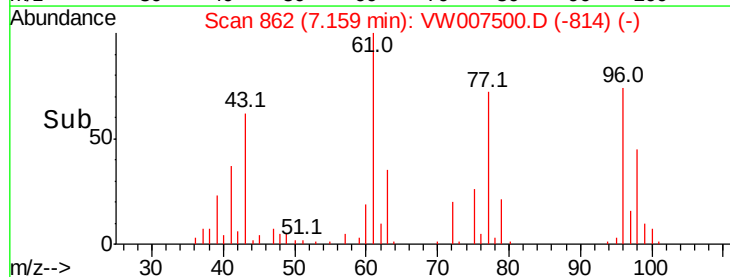
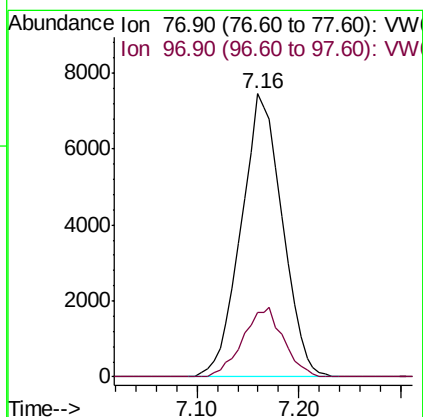
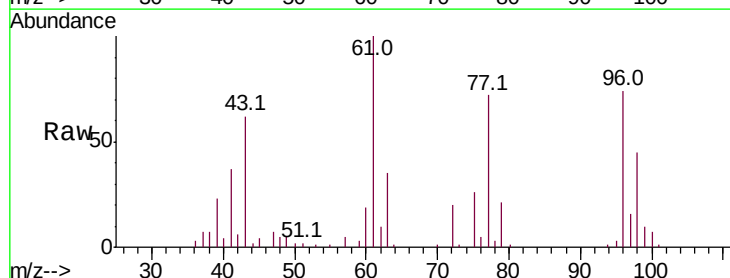
Acq: 13 Dec 2018 22:31

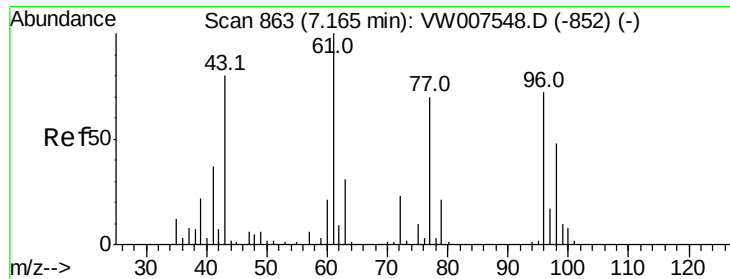
Tgt Ion: 77 Resp: 20928

Ion Ratio Lower Upper

77 100

97 24.1 11.6 34.8





#27

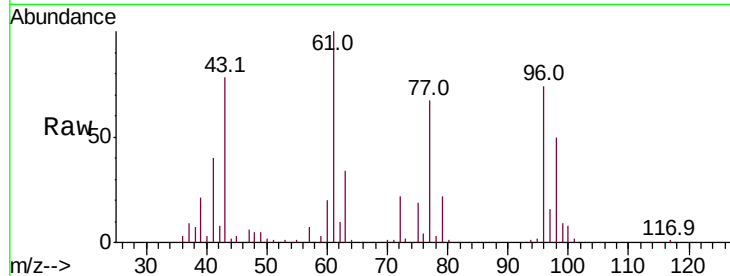
cis-1,2-Dichloroethene
Concen: 20.391 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

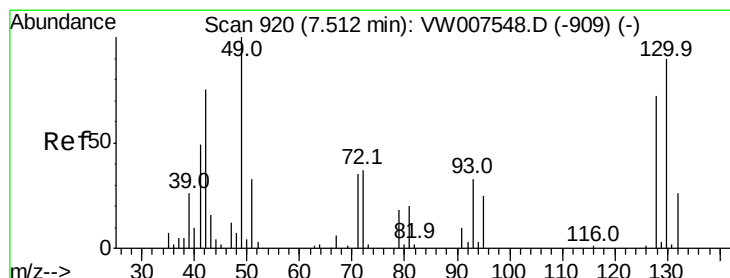
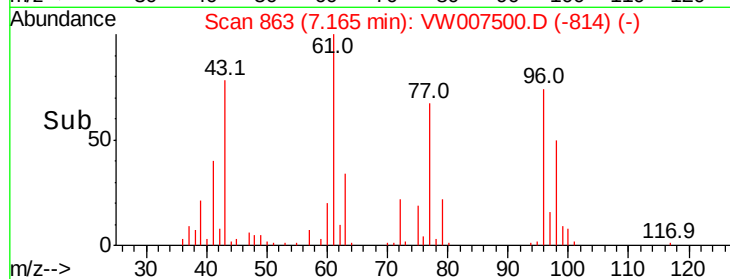
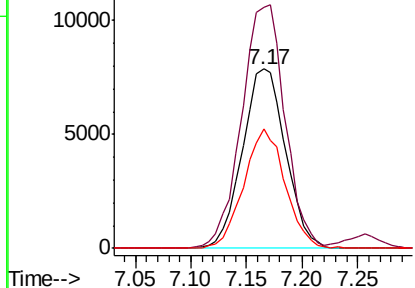
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	268.4
98	63.8	0.0	127.8

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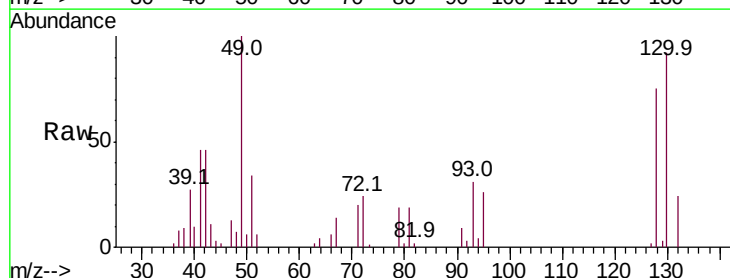
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



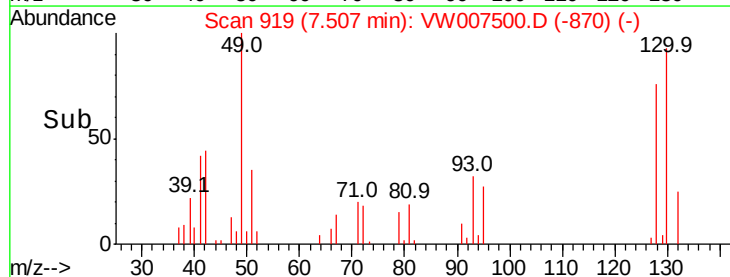
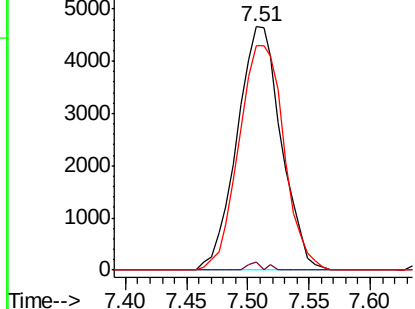
#28

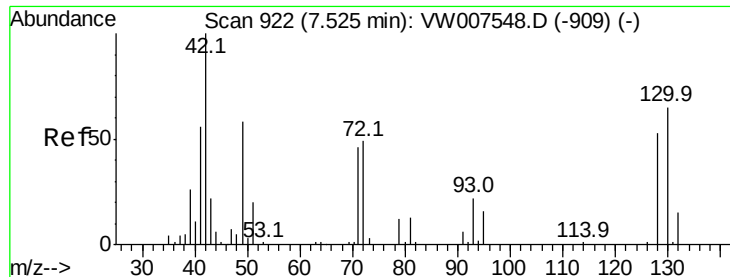
Bromochloromethane
Concen: 19.179 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.6
130	94.0	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





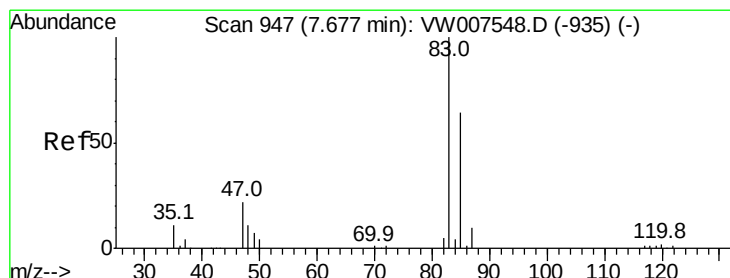
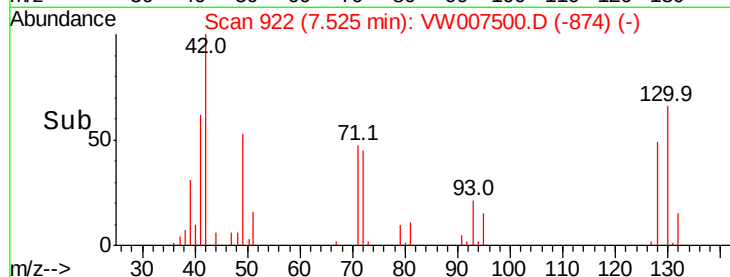
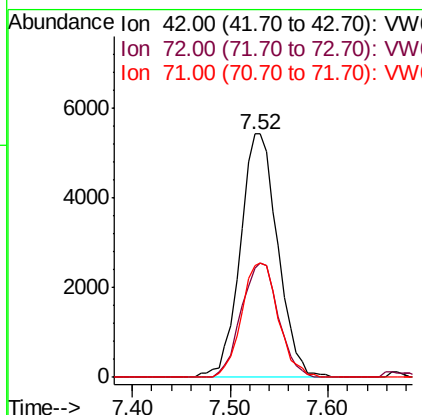
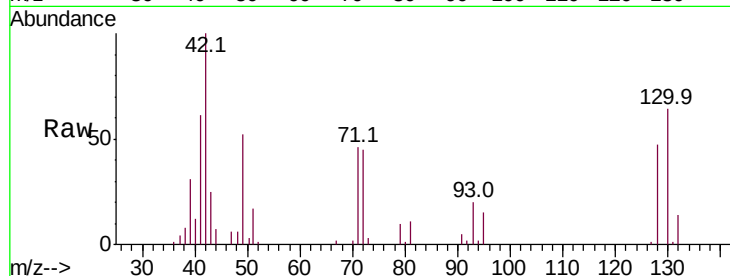
#29
Tetrahydrofuran
Concen: 103.592 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.2	57.4
71	45.9	35.5	53.3

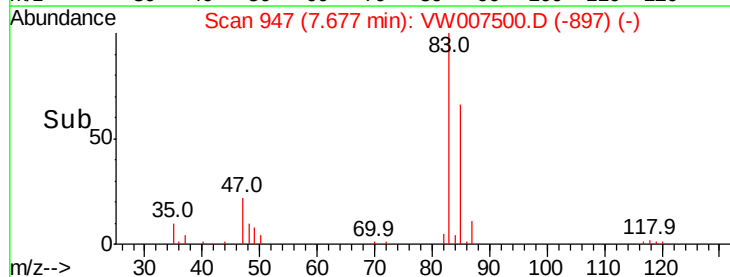
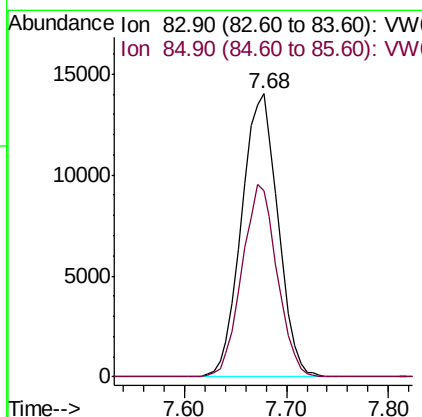
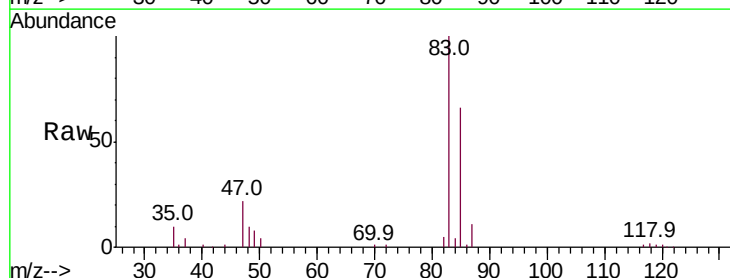
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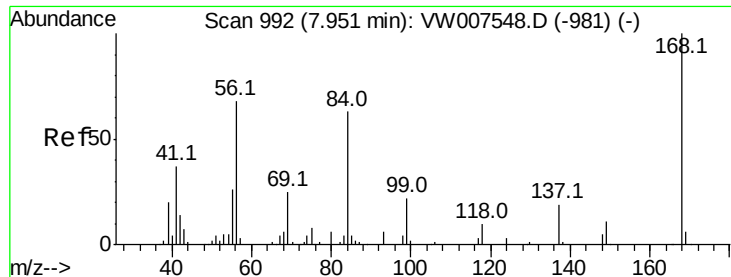
MMDadoda
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#30
Chloroform
Concen: 19.699 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.8





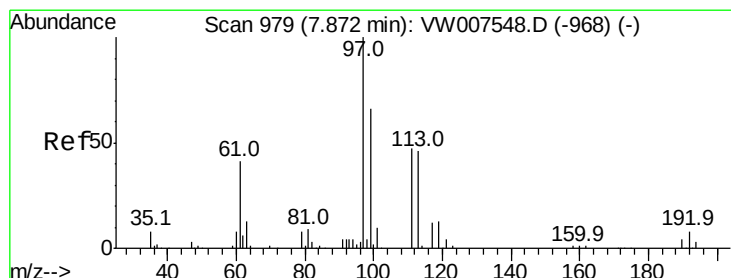
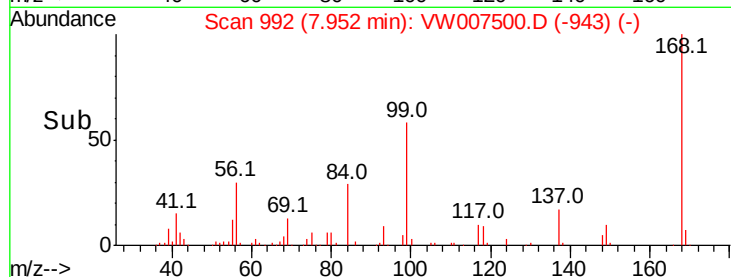
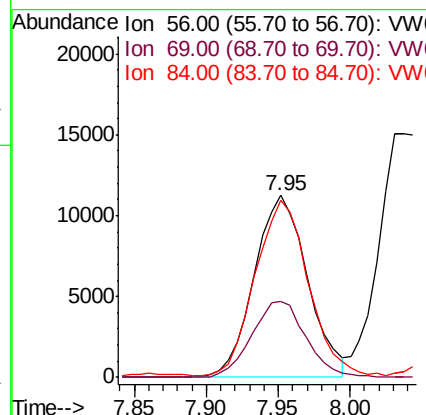
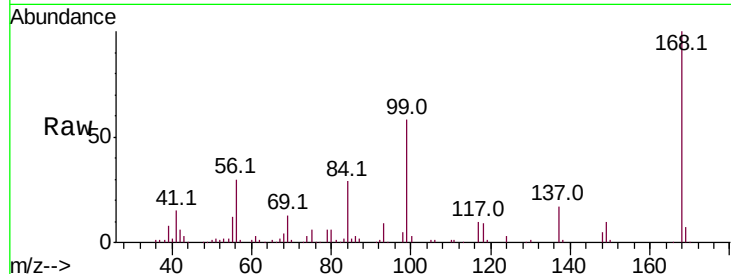
#31
Cyclohexane
Concen: 19.335 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.7	28.9	43.3
84	96.7	71.8	107.6

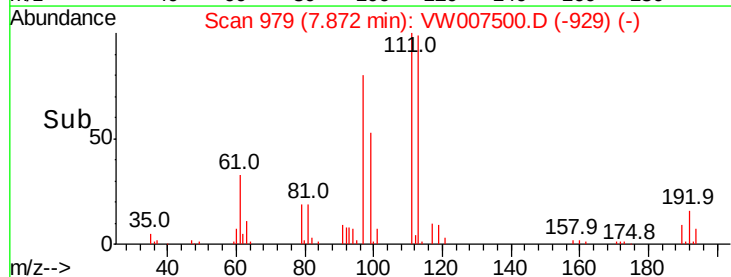
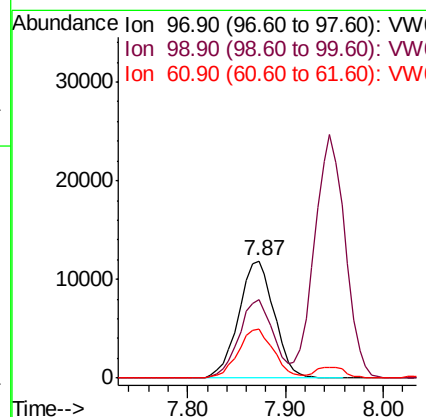
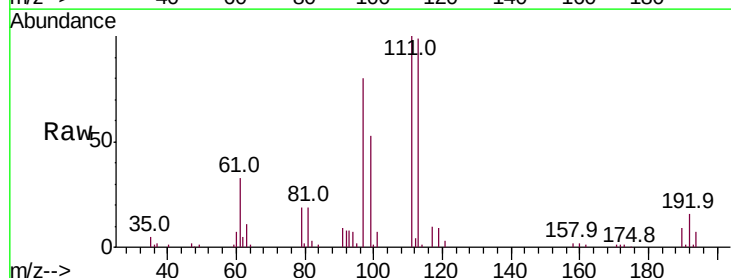
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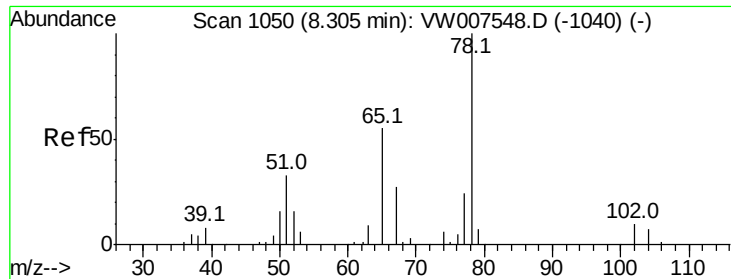
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#32
1,1,1-Trichloroethane
Concen: 19.312 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	41.5	33.2	49.8





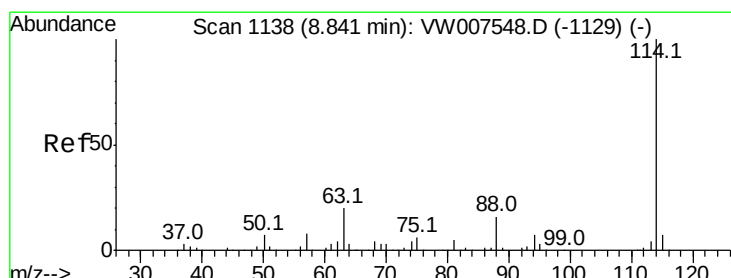
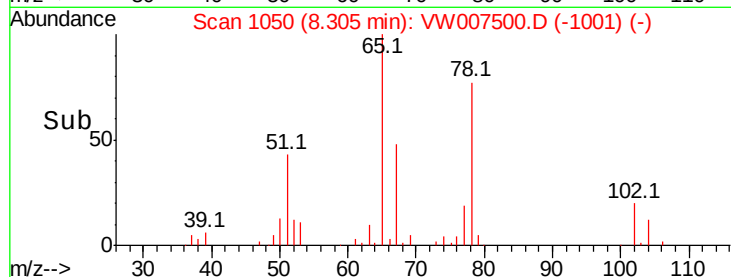
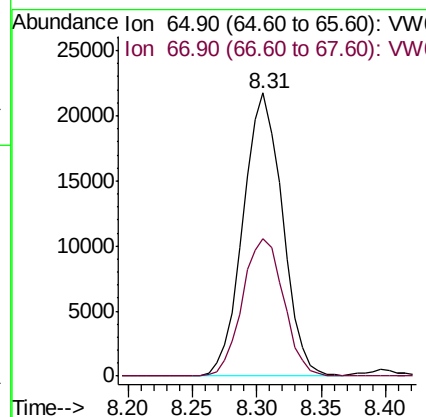
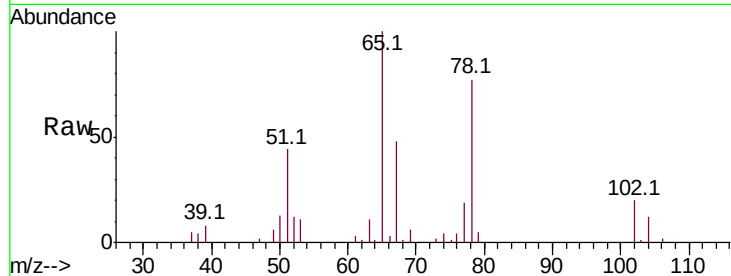
#33
 1,2-Dichloroethane-d4
 Concen: 47.890 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	46040		
67	50.7	0.0	101.6	

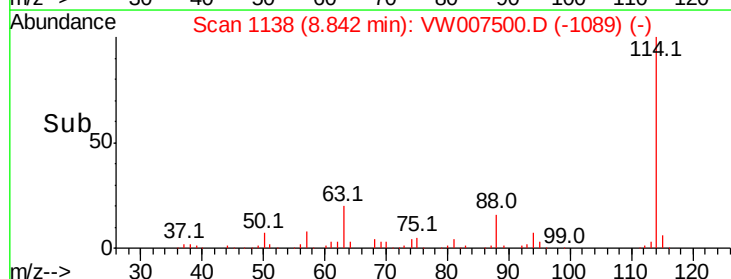
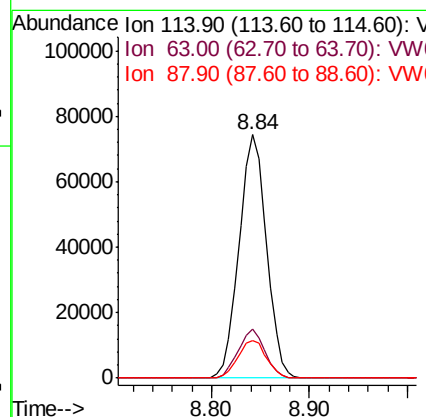
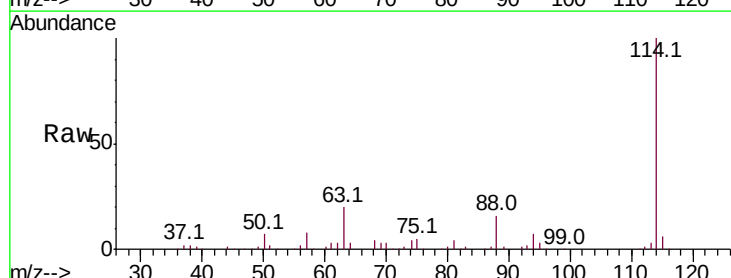
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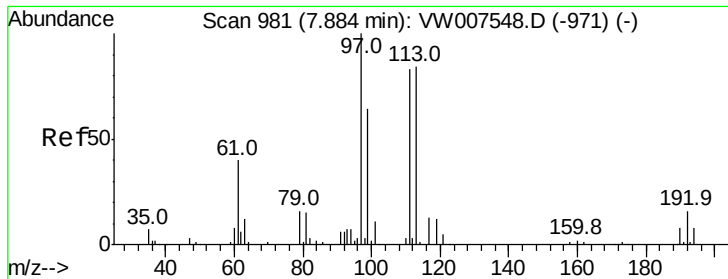
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	144482		
63	20.1	0.0	39.6	
88	15.7	0.0	31.4	





#35

Dibromofluoromethane

Concen: 49.942 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

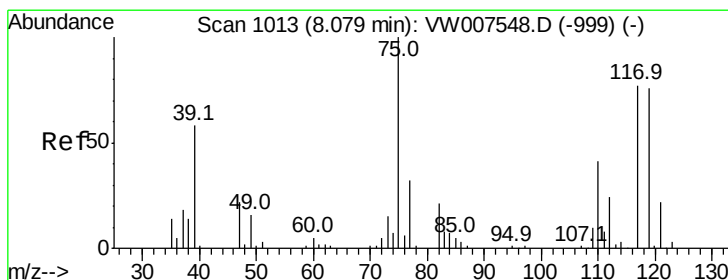
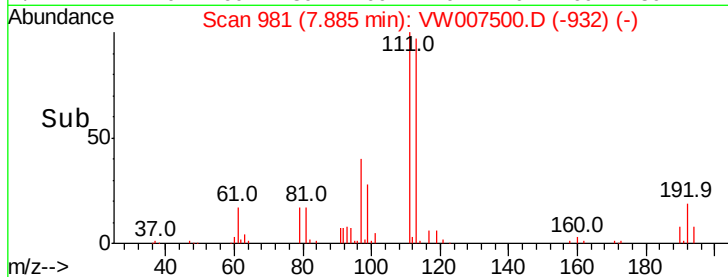
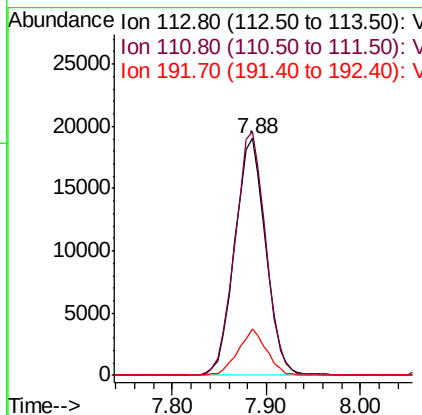
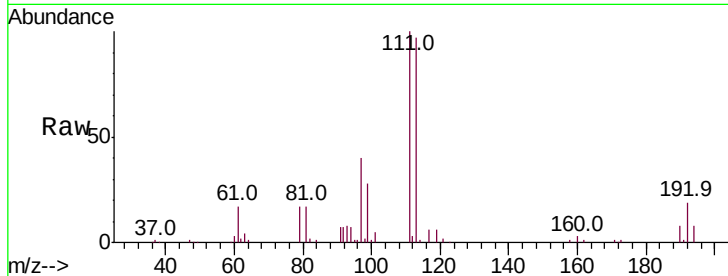
ClientSampleId :

VW1216SBSD02

Tot Ion:	113	Resp:	43680
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.1	121.7
192	18.0	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 20.253 ug/l

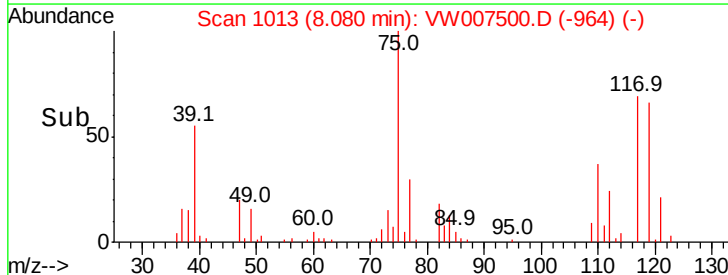
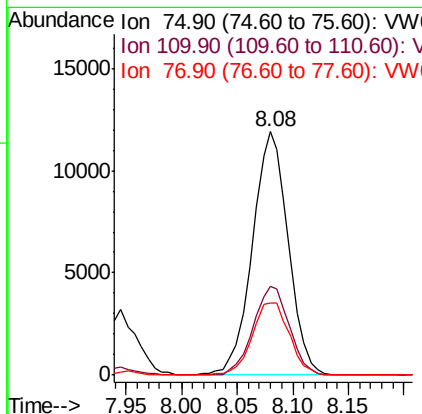
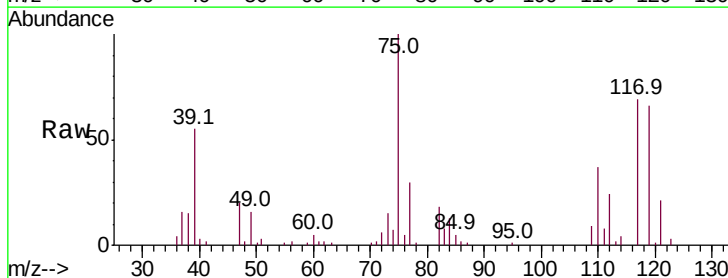
RT: 8.08 min Scan# 1013

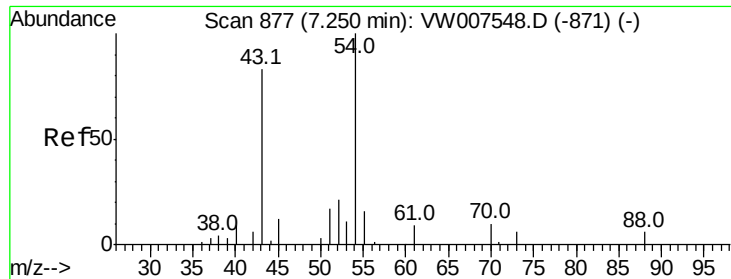
Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion:	75	Resp:	26694
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.5	55.5
77	31.0	25.6	38.4





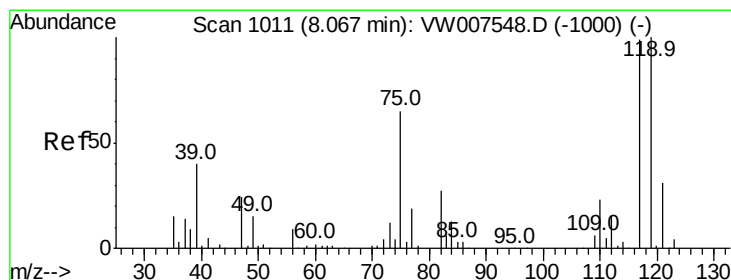
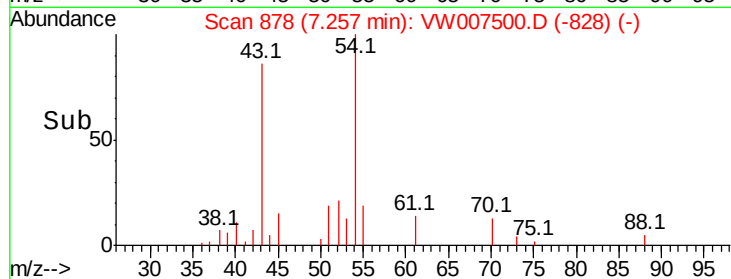
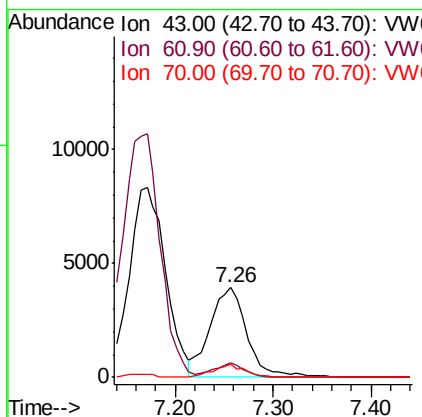
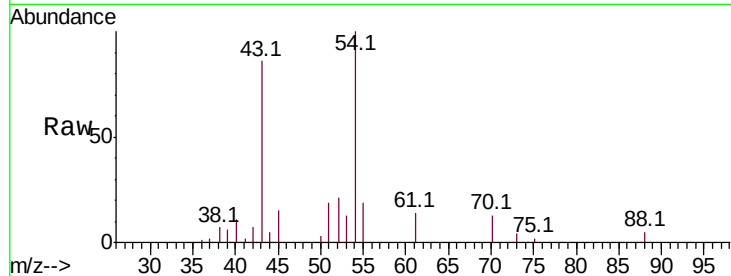
#37
Ethyl Acetate
Concen: 21.201 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	12.1	18.1
70	12.1	10.0	15.0

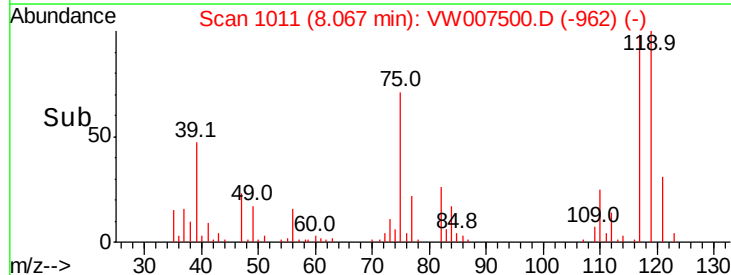
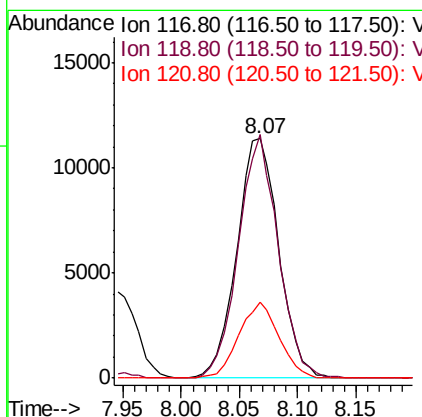
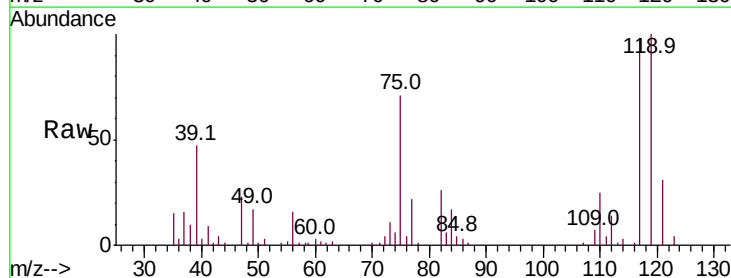
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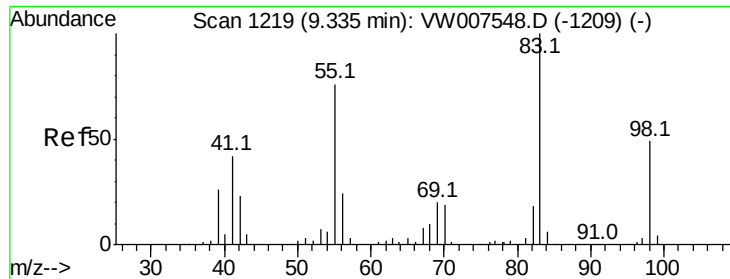
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#38
Carbon Tetrachloride
Concen: 19.888 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.6	74.3	111.5
121	31.7	24.3	36.5





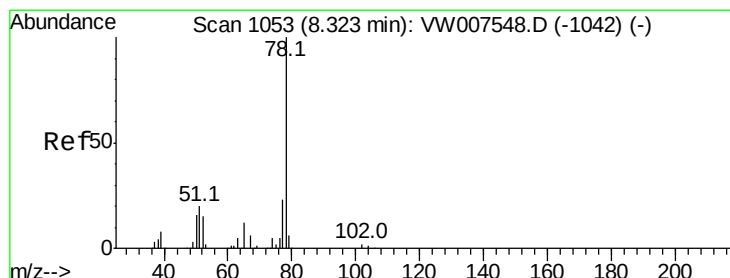
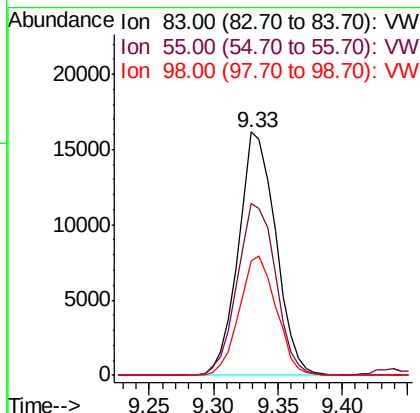
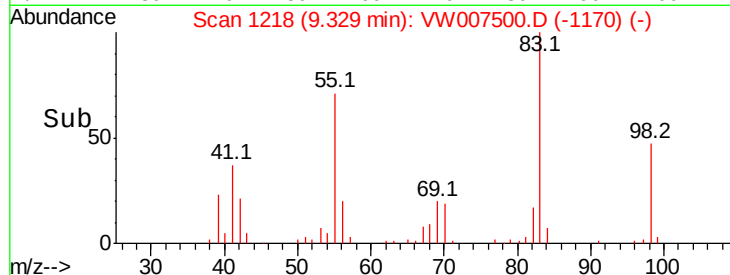
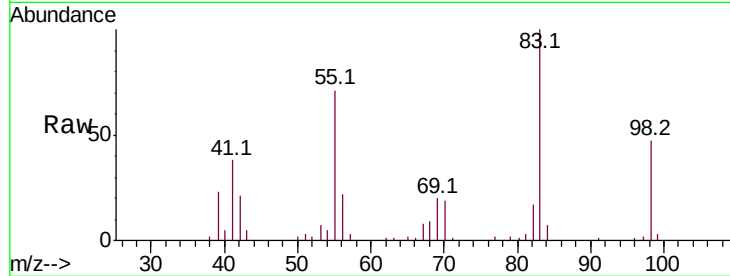
#39
Methylvlcyclohexane
Concen: 20.312 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	83	Resp	32418
Ion Ratio	100	Lower	Upper
83	100		
55	70.8	62.8	94.2
98	47.0	42.2	63.2

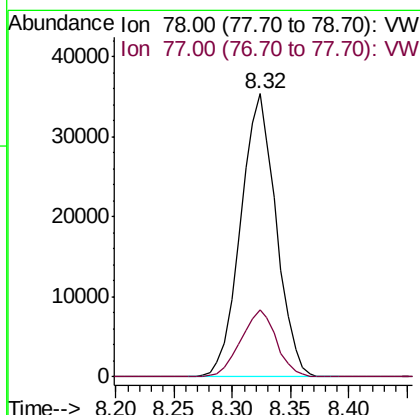
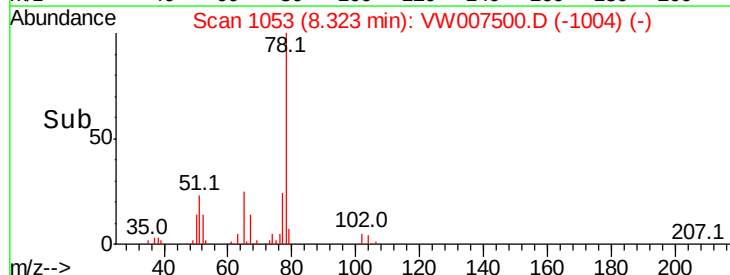
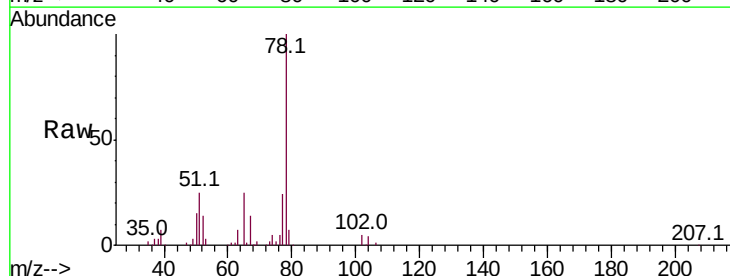
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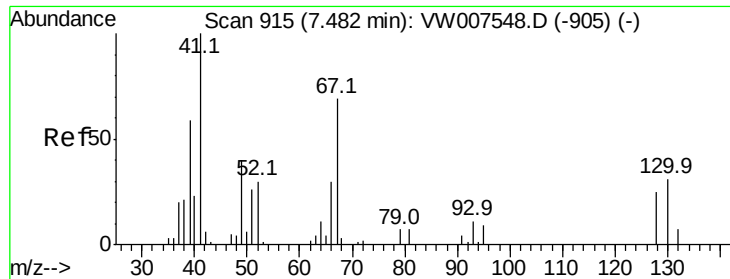
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#40
Benzene
Concen: 20.472 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	78	Resp	74882
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	18.8	28.2





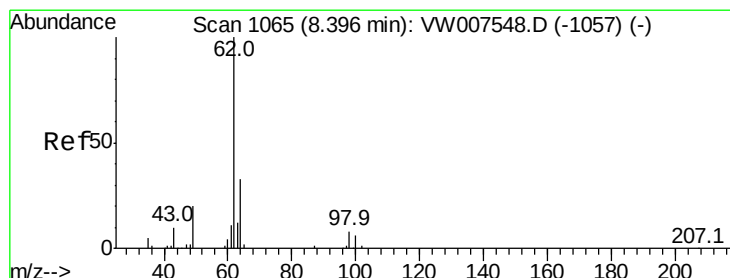
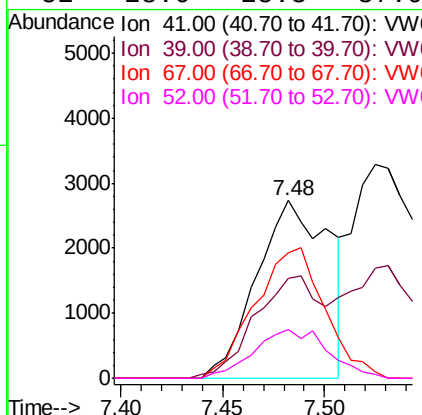
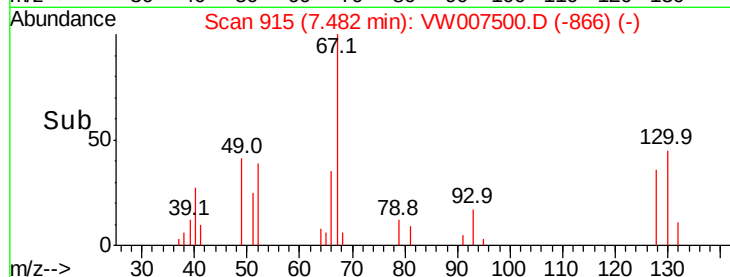
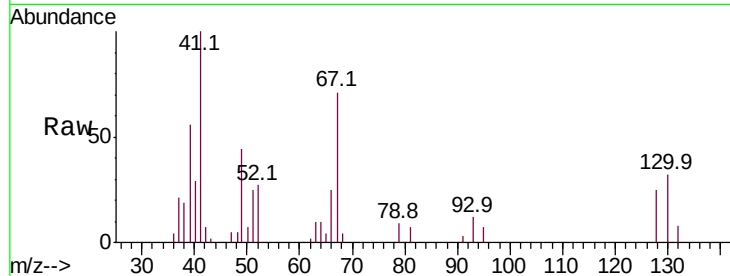
#41
Methacrylonitrile
Concen: 24.309 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.7	52.2	78.2#
67	70.2	60.5	90.7
52	28.0	25.3	37.9

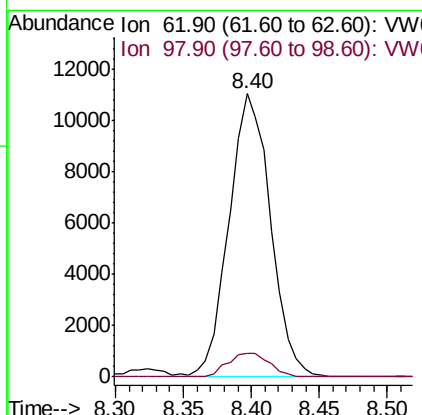
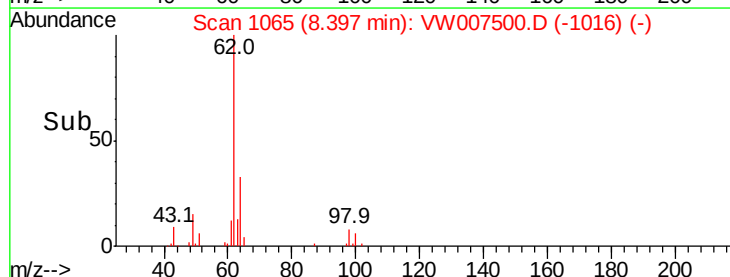
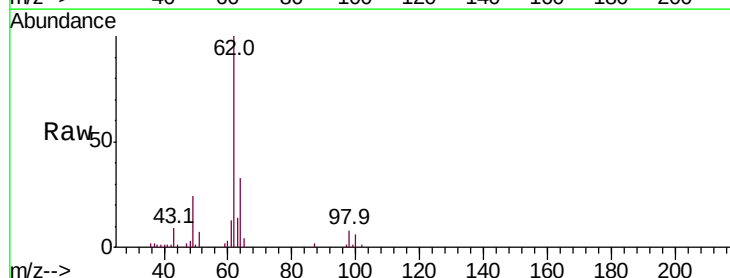
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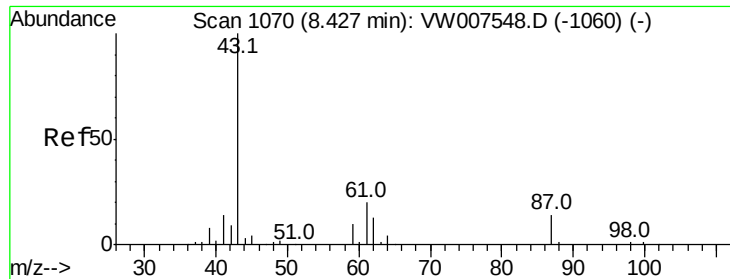
MMDadoda
12/24/2018 12:18:26 PM



#42
1,2-Dichloroethane
Concen: 20.449 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.6





#43

Isopropyl Acetate

Concen: 20.660 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

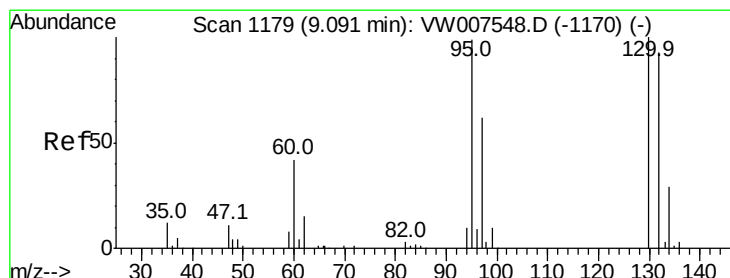
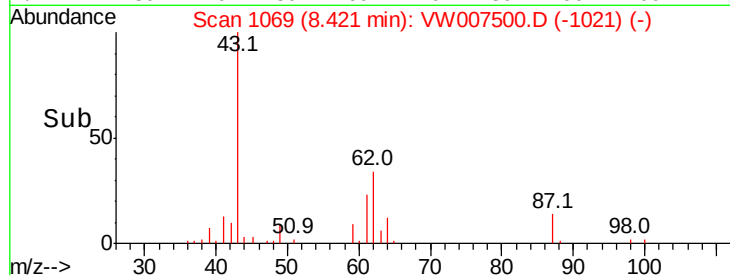
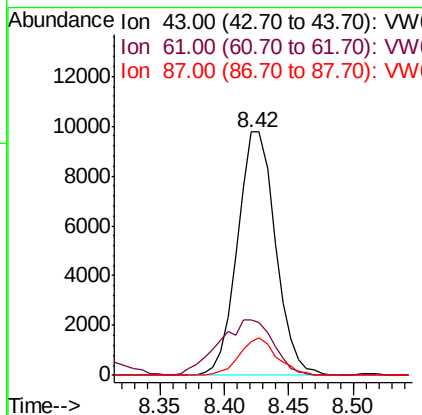
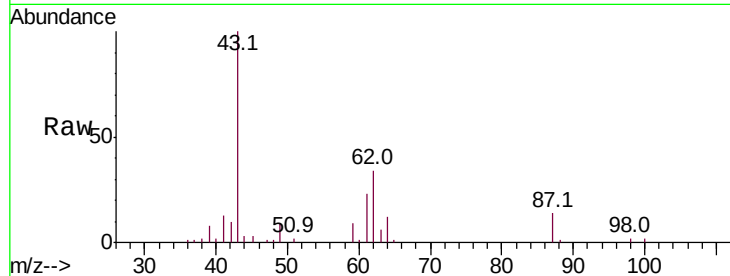
ClientSampleId :

VW1216SBS02

Tot Ion:	43	Resp:	20006
Ion	Ratio	Lower	Upper
43	100		
61	32.9	25.3	37.9
87	15.0	11.8	17.8

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#44

Trichloroethene

Concen: 20.686 ug/l

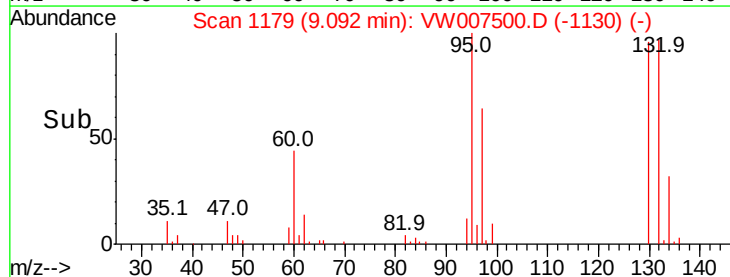
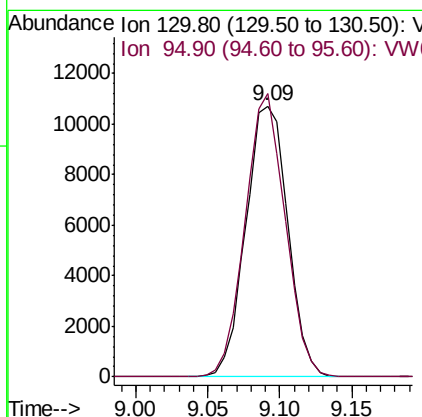
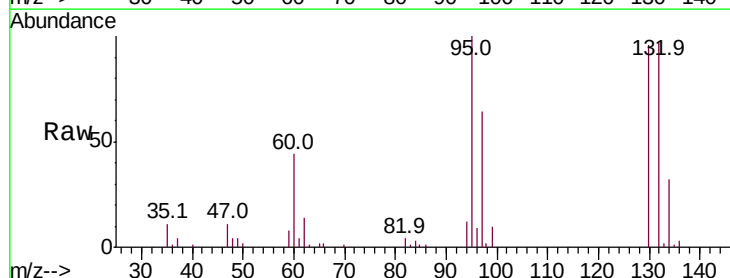
RT: 9.09 min Scan# 1179

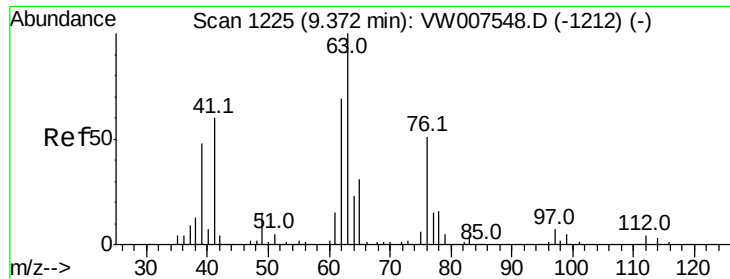
Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion:	130	Resp:	21606
Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	193.2





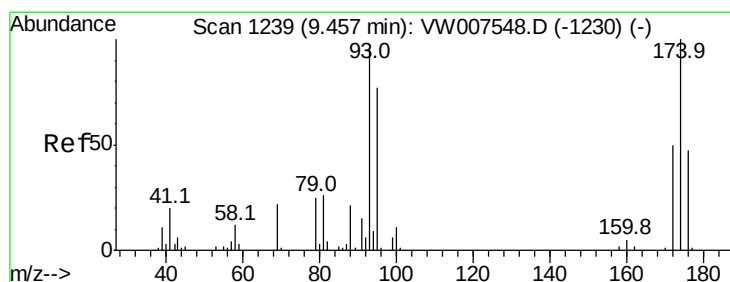
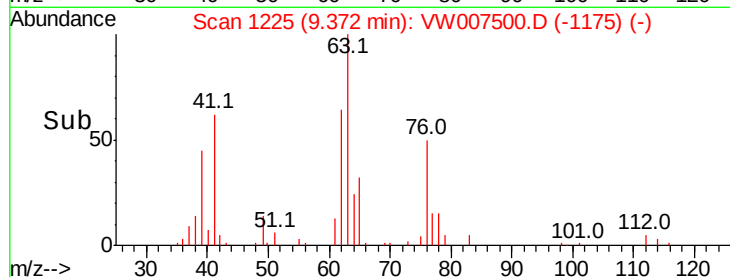
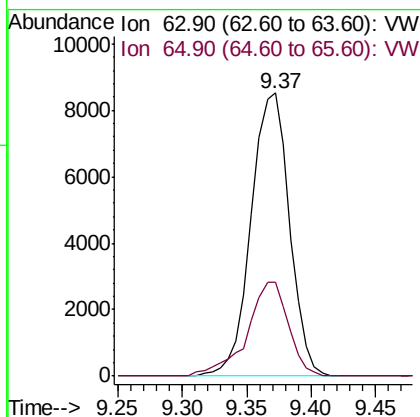
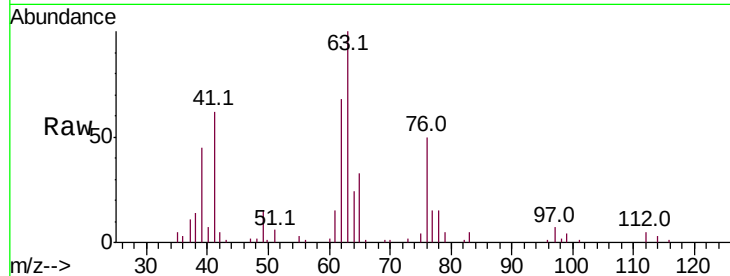
#45
 1,2-Dichloropropane
 Concen: 20.716 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.4	36.6

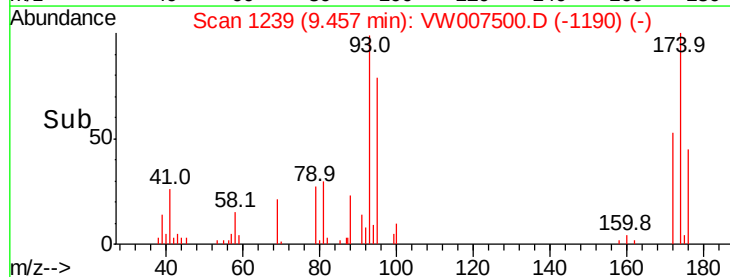
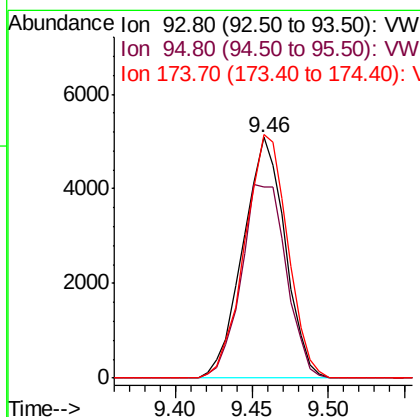
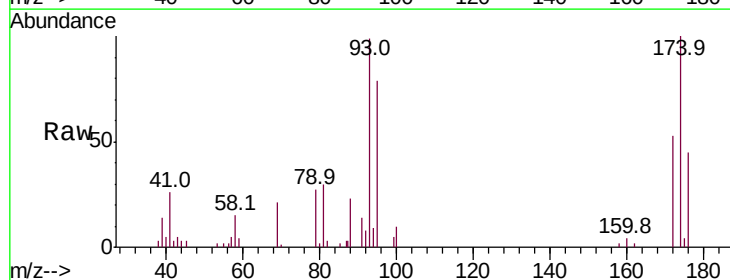
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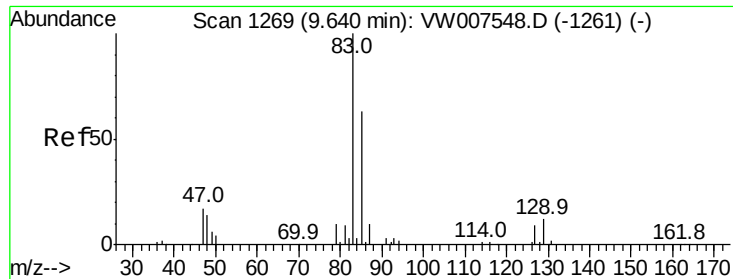
MMDadoda
 12/24/2018 12:18:26 PM



#46
 Dibromomethane
 Concen: 20.244 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.3	68.0	102.0
174	103.2	83.2	124.8





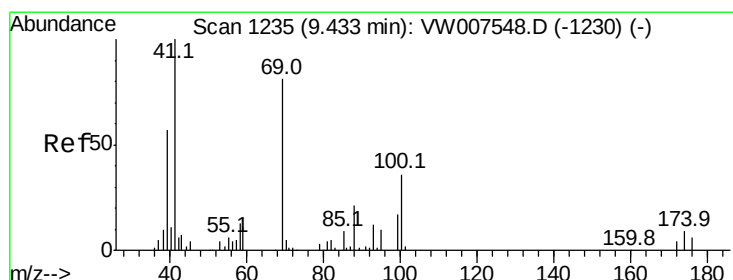
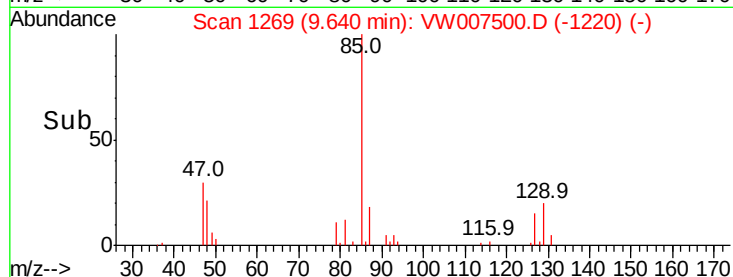
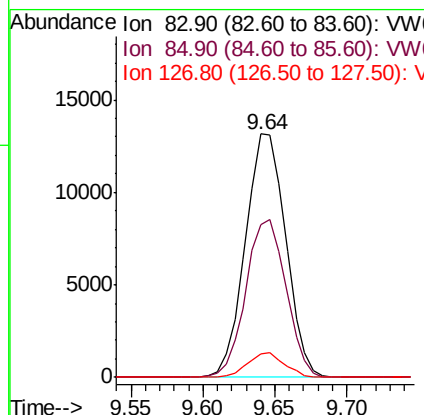
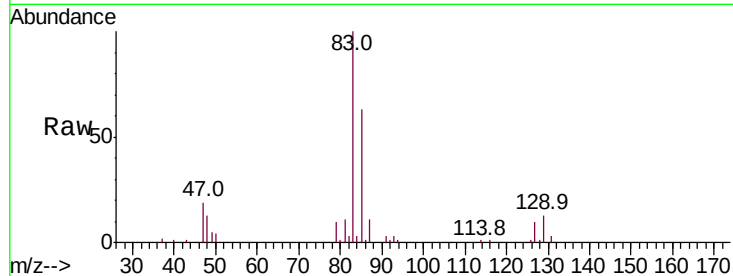
#47
Bromodichloromethane
Concen: 20.251 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.0	47.6	71.4	
127	9.6	6.7	10.1	

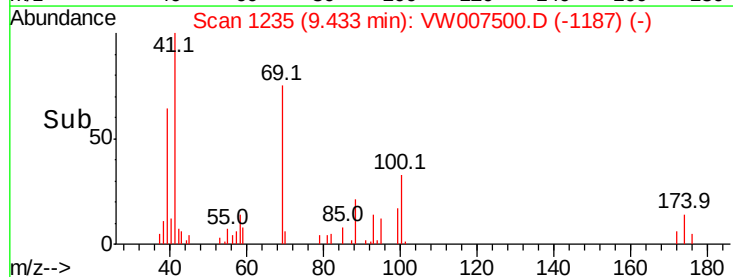
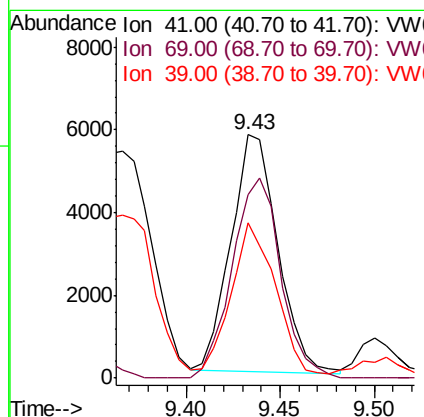
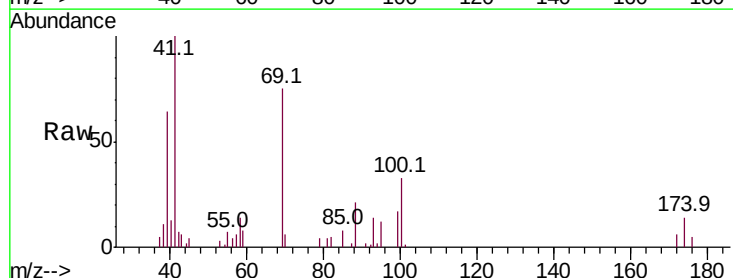
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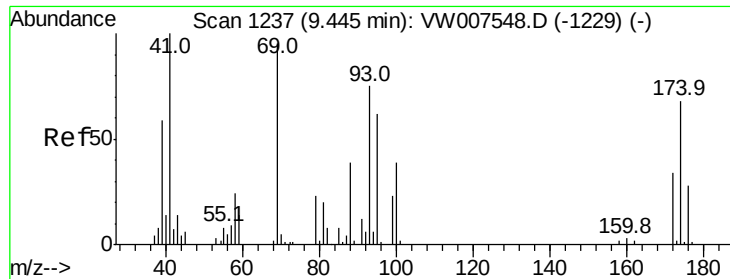
MMDadoda
12/24/2018 12:18:26 PM



#48
Methyl methacrylate
Concen: 19.967 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.4	69.8	104.8	
39	64.0	50.9	76.3	





#49

1,4-Dioxane

Concen: 432.086 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 88 Resp: 3370

Ion Ratio Lower Upper

88 100

43 35.5 25.0 37.4

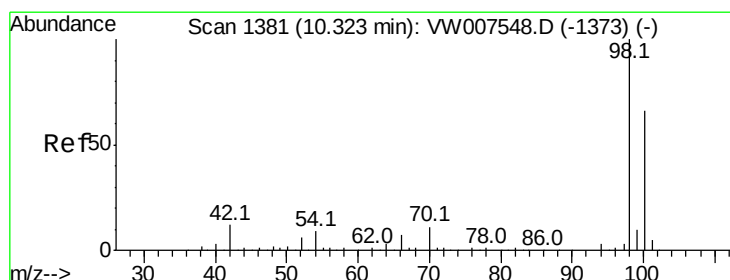
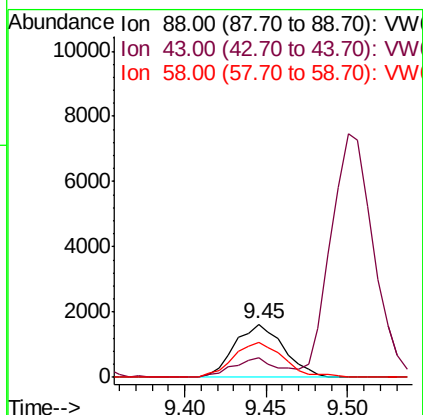
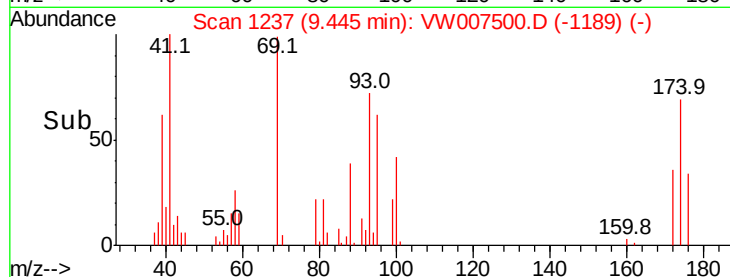
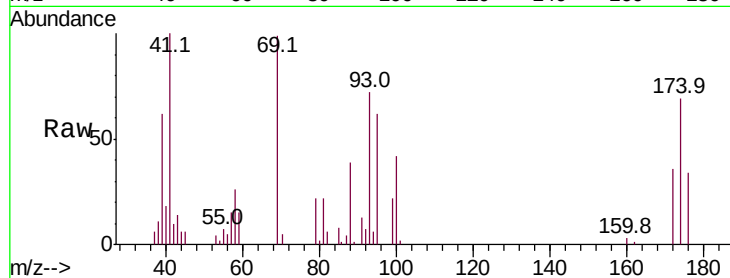
58 68.9 51.4 77.2

Manual Integrations

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#50

Toluene-d8

Concen: 50.061 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007500.D

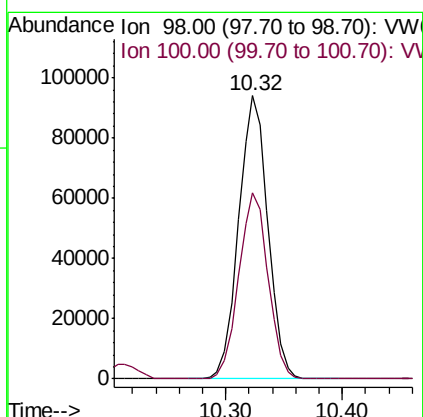
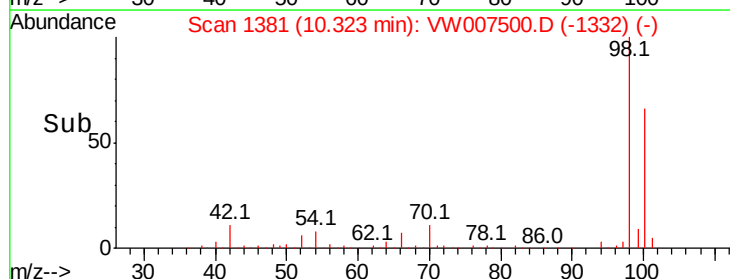
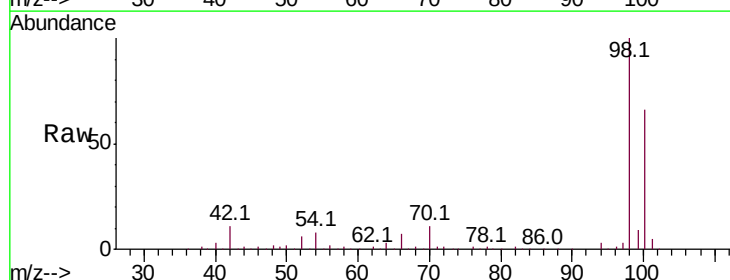
Acq: 13 Dec 2018 22:31

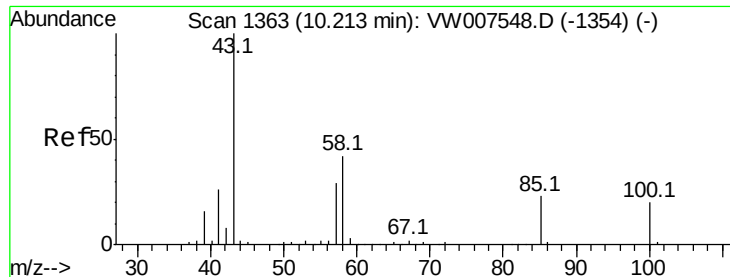
Tgt Ion: 98 Resp: 164165

Ion Ratio Lower Upper

98 100

100 66.1 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 106.162 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion: 43 Resp: 48573

Ion Ratio Lower Upper

43 100

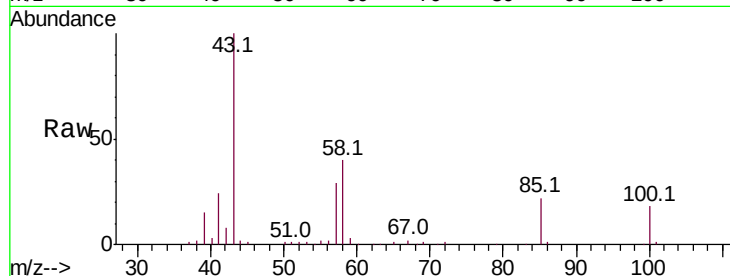
58 40.1 33.1 49.7

Manual Integrations

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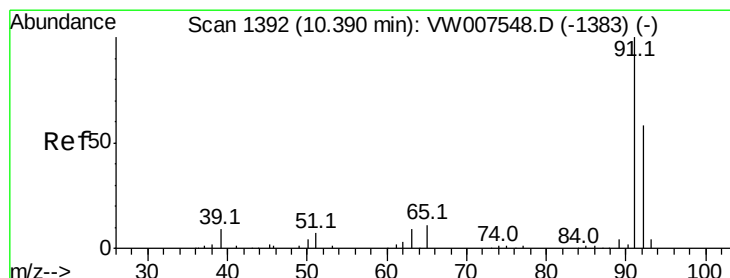
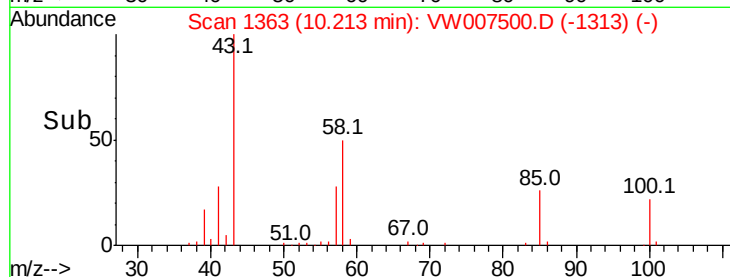
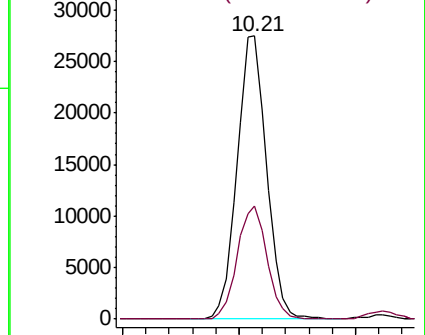
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.964 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007500.D

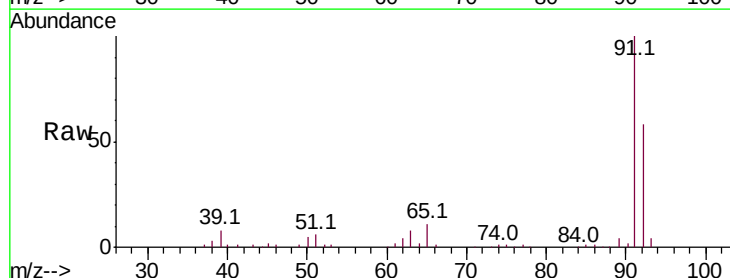
Acq: 13 Dec 2018 22:31

Tgt Ion: 92 Resp: 49624

Ion Ratio Lower Upper

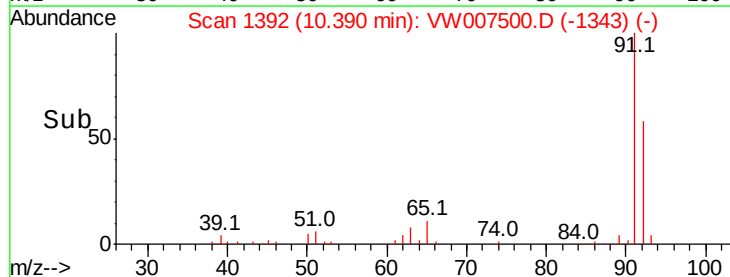
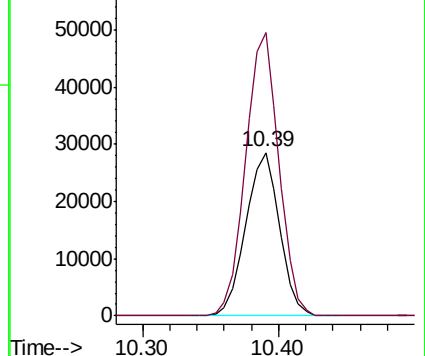
92 100

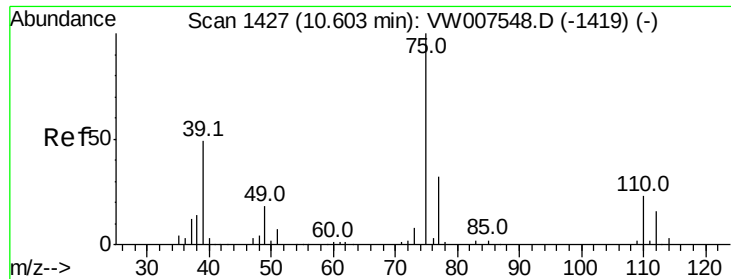
91 170.7 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





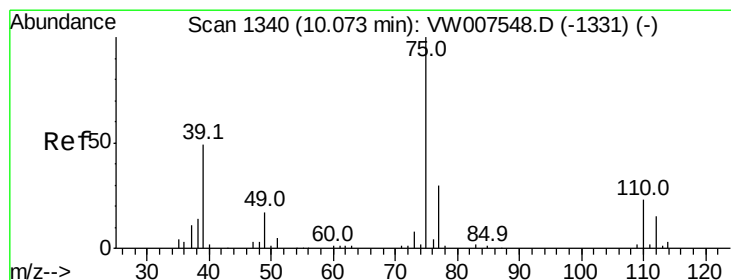
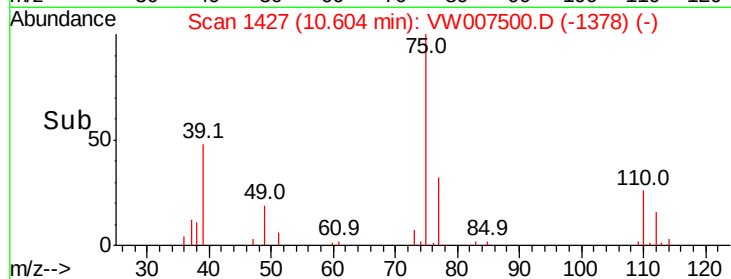
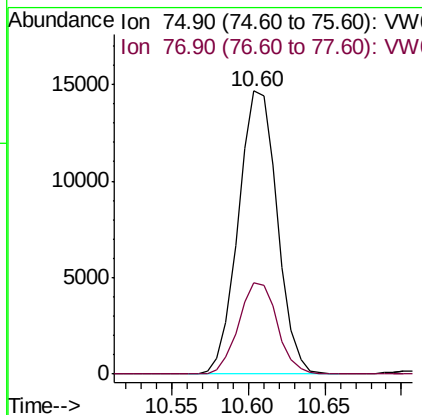
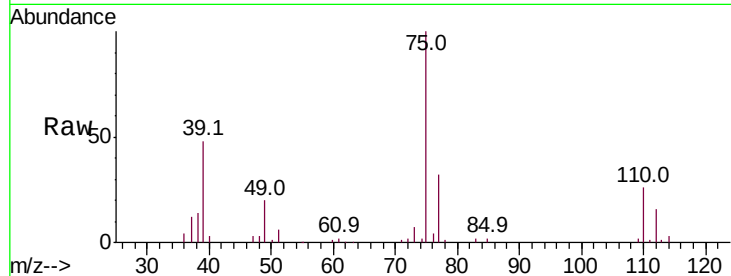
#53
 t-1,3-Dichloropropene
 Concen: 21.135 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion: 75 Resp: 25870
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.4

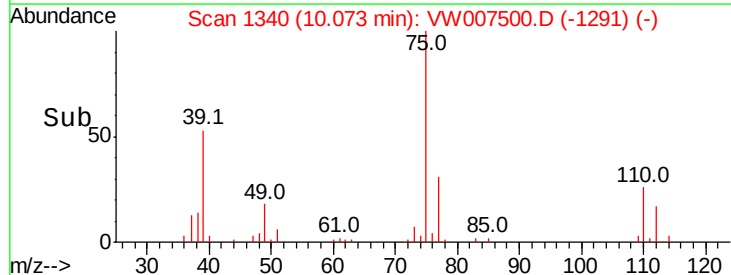
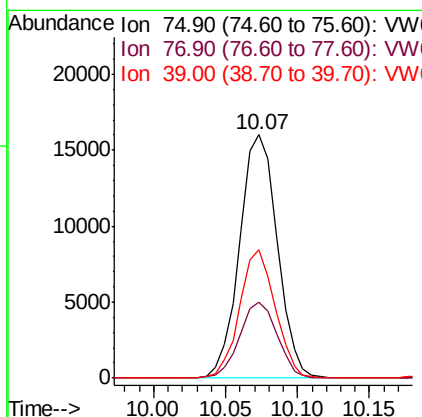
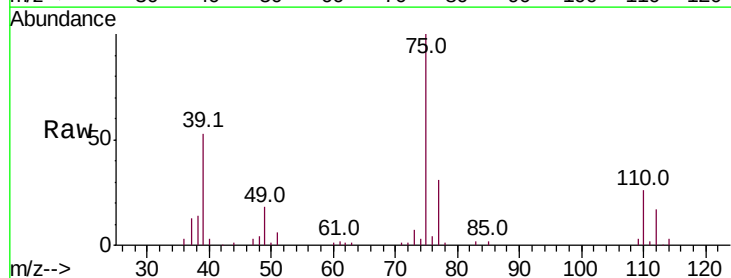
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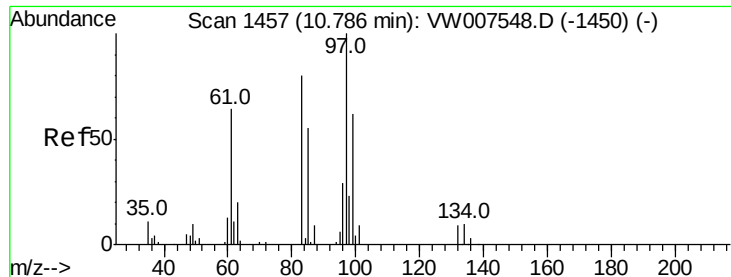
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#54
 cis-1,3-Dichloropropene
 Concen: 20.523 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Tgt Ion: 75 Resp: 29040
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.8 37.2
 39 52.9 40.9 61.3





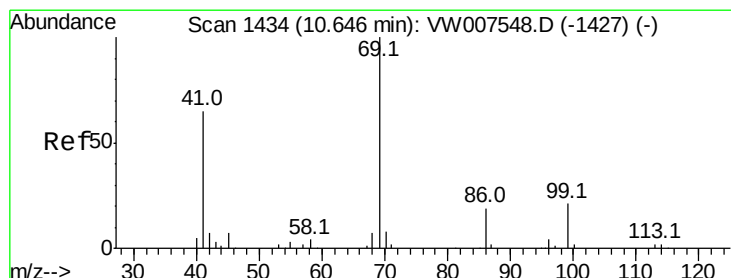
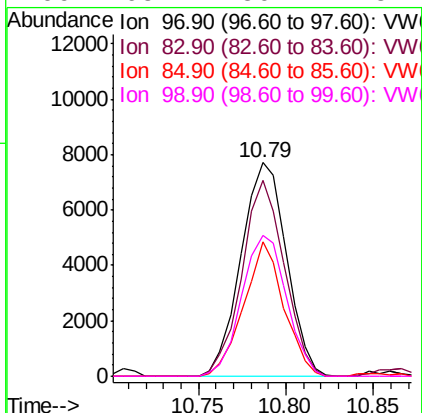
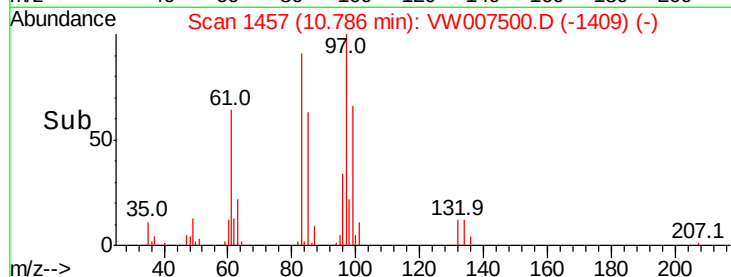
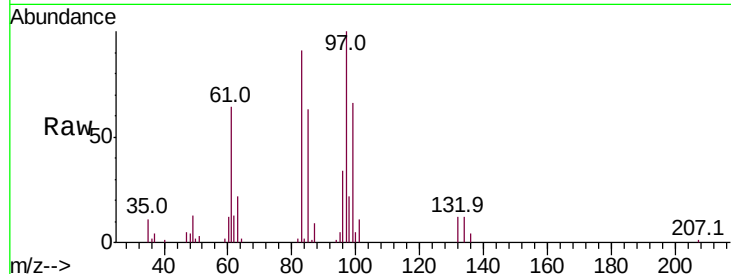
#55
 1,1,2-Trichloroethane
 Concen: 21.379 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		13986		
83	91.5	62.1	93.1		
85	62.7	44.2	66.4		
99	65.7	50.2	75.4		

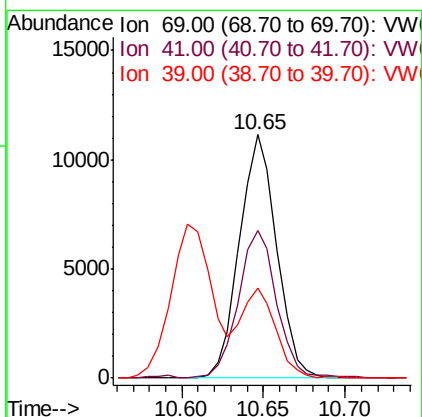
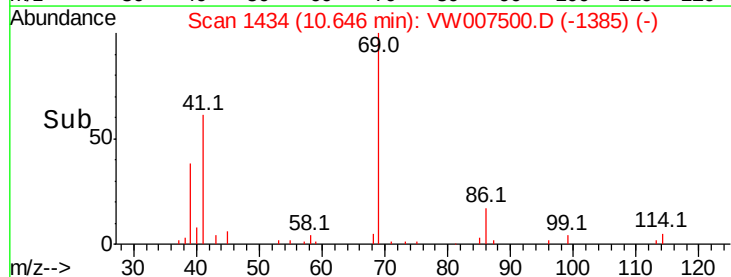
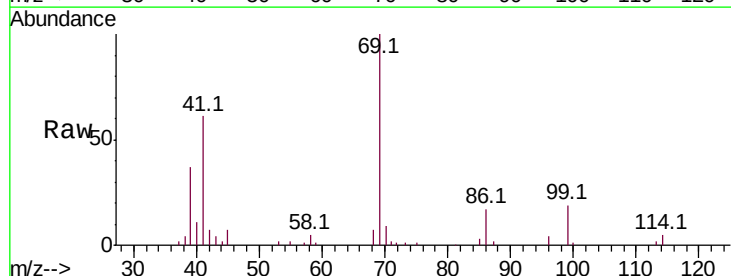
Manual Integrations
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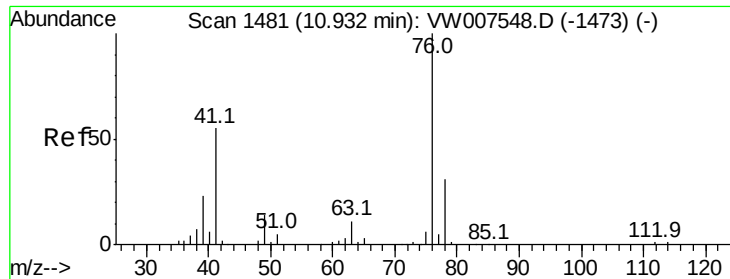
MMDadoda
 12/24/2018 12:18:26 PM



#56
 Ethyl methacrylate
 Concen: 22.512 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		17702		
41	62.9	51.0	76.6		
39	35.1	30.8	46.2		





#57

1,3-Dichloropropane

Concen: 22.374 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W

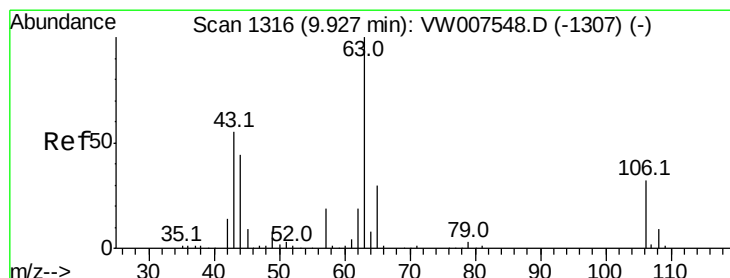
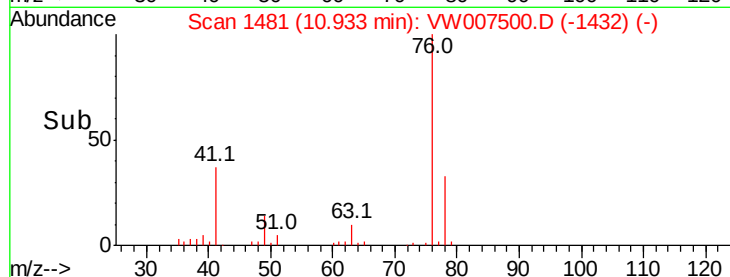
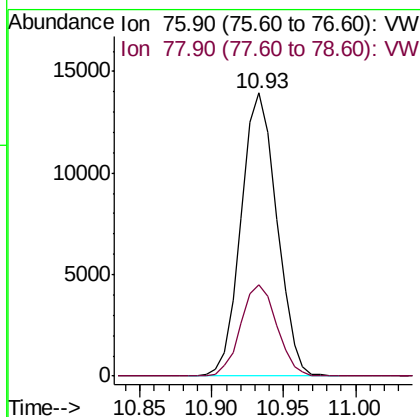
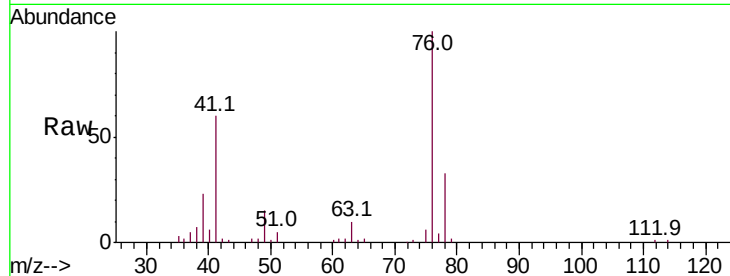
ClientSampleId :
VW1216SBS02

Tot Ion: 76 Resp: 24025

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

Manual Integrations
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MMDadoda
12/24/2018 12:18:26 PM



#58

2-Chloroethyl Vinyl ether

Concen: 104.659 ug/l

RT: 9.93 min Scan# 1316

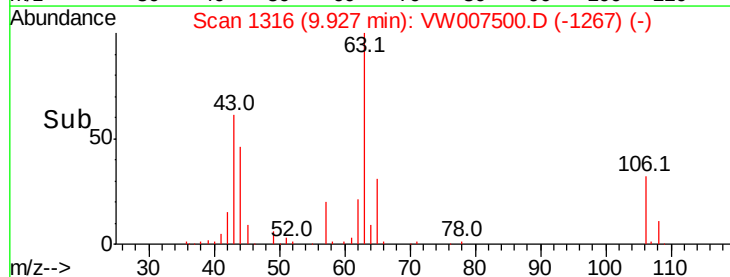
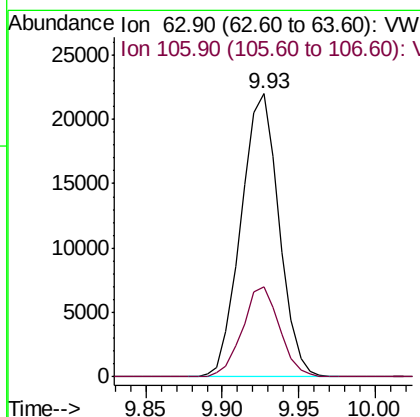
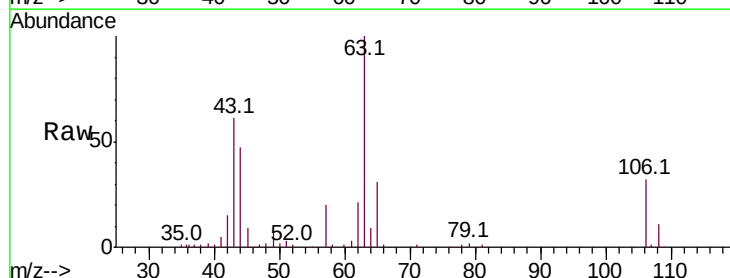
Delta R.T. 0.00 min

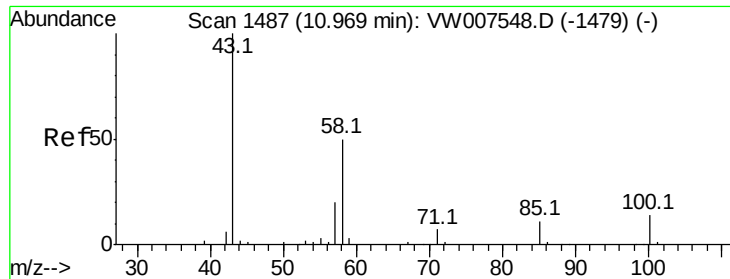
Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion: 63 Resp: 37951

Ion	Ratio	Lower	Upper
63	100		
106	31.2	25.0	37.6





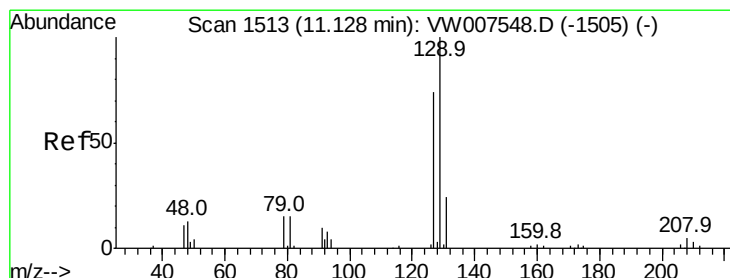
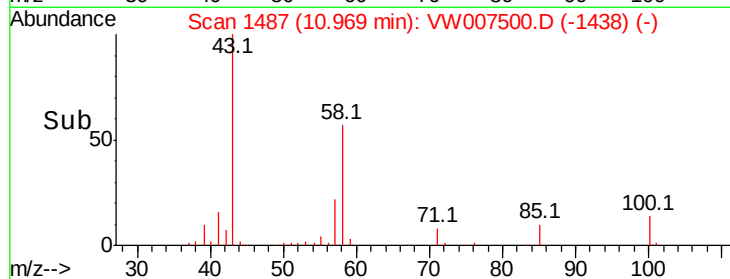
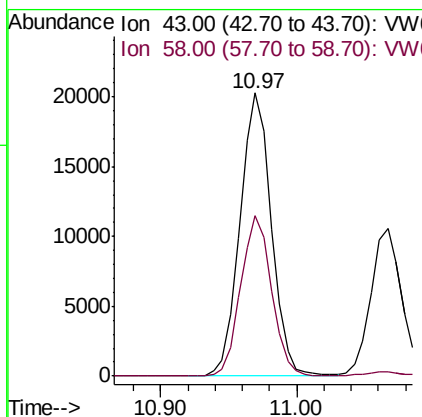
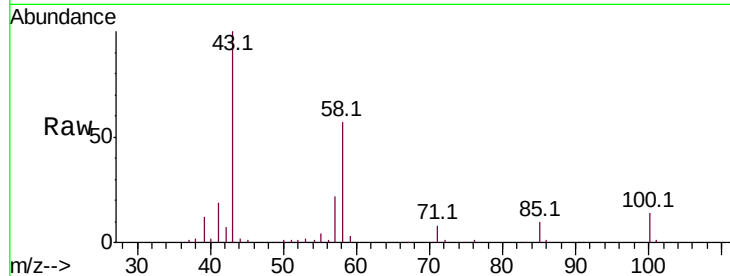
#59
2-Hexanone
Concen: 107.167 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion: 43 Resp: 32695
Ion Ratio Lower Upper
43 100
58 55.8 27.1 81.3

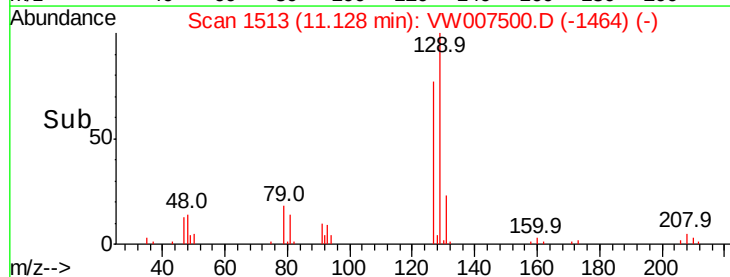
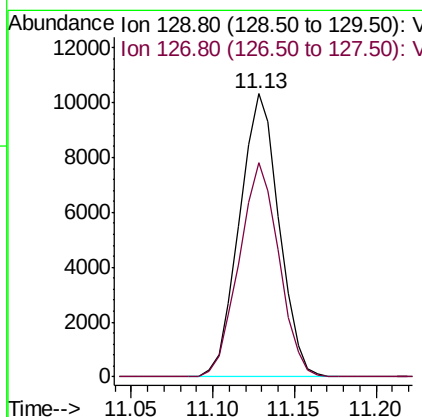
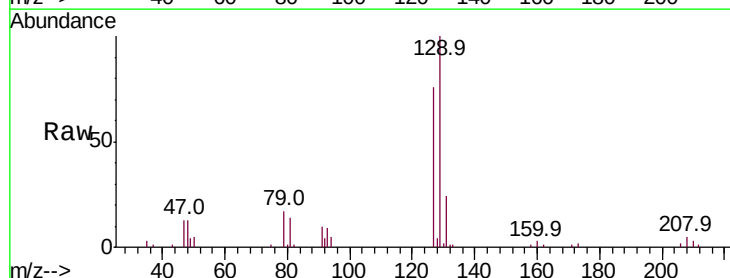
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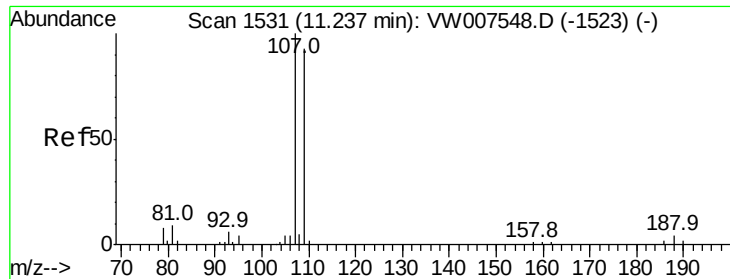
MMDadoda
12/24/2018 12:18:26 PM



#60
Dibromochloromethane
Concen: 21.198 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion: 129 Resp: 17501
Ion Ratio Lower Upper
129 100
127 75.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.927 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion:107 Resp: 14176

Ion Ratio Lower Upper

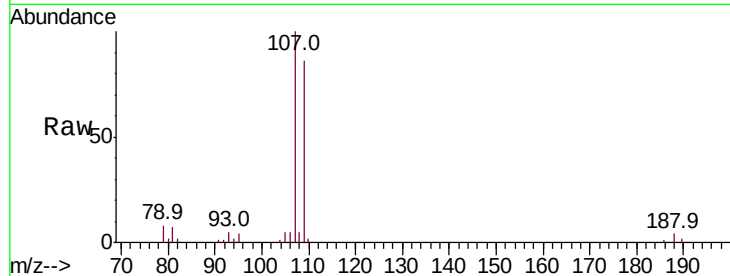
107 100

109 91.9 79.1 118.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

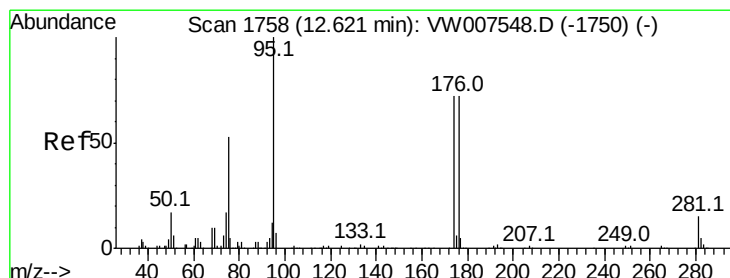
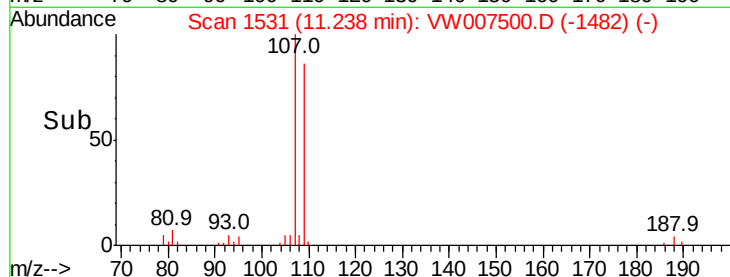
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 53.698 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

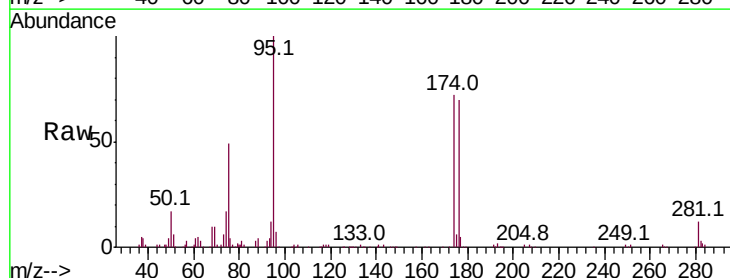
Tgt Ion: 95 Resp: 64744

Ion Ratio Lower Upper

95 100

174 73.3 0.0 147.2

176 70.4 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

50000

40000

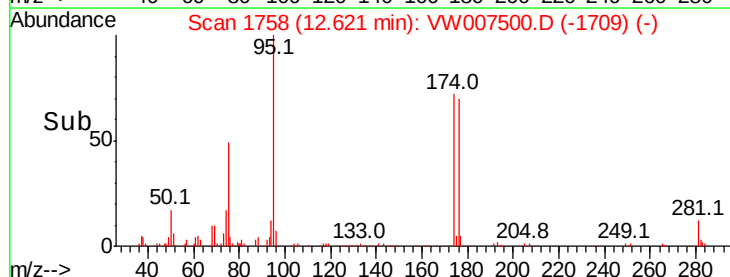
30000

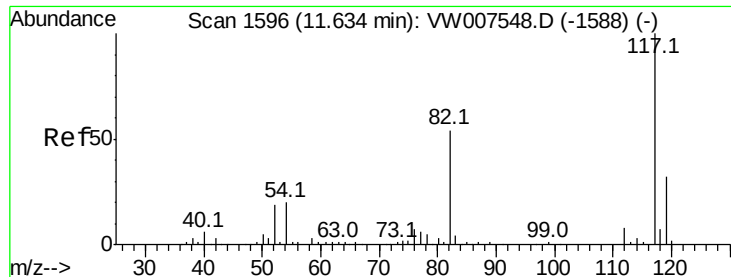
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

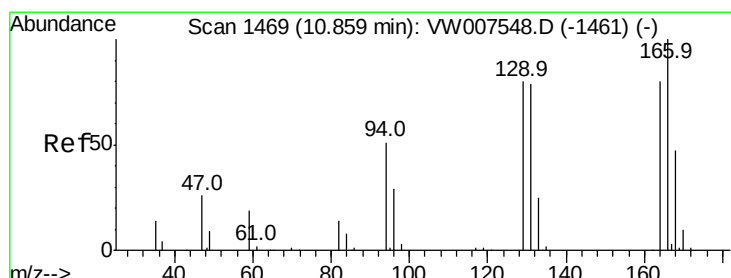
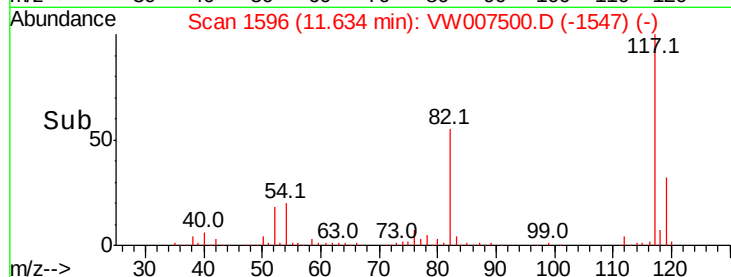
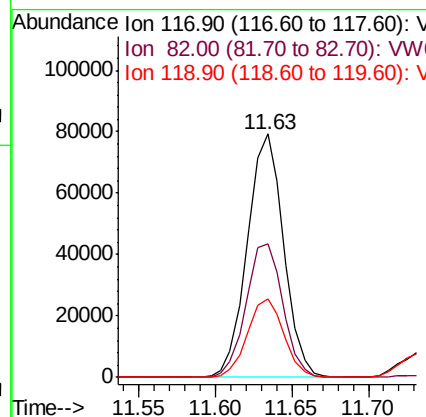
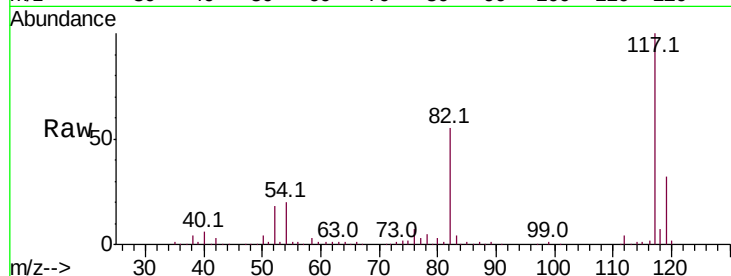
ClientSampleId :

VW1216SBS02

Tot Ion:	117	Resp:	130470
Ion Ratio	Lower	Upper	
117	100		
82	55.0	42.3	63.5
119	32.1	23.0	34.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.633 ug/l

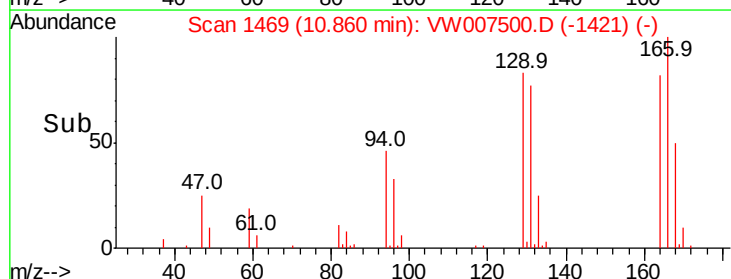
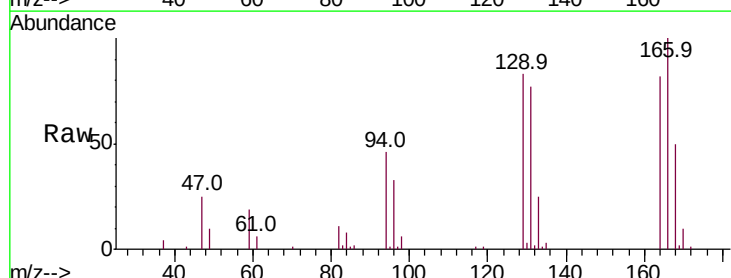
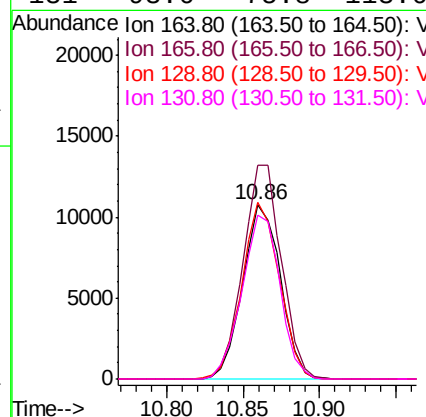
RT: 10.86 min Scan# 1469

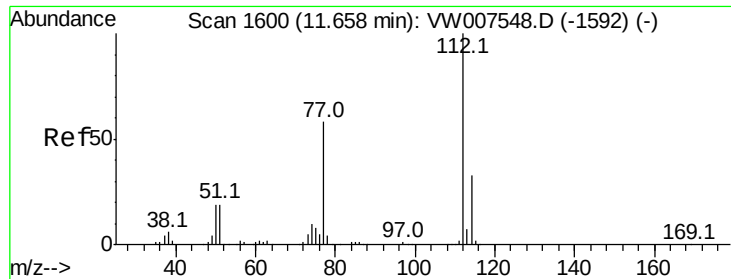
Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion:	164	Resp:	18421
Ion Ratio	Lower	Upper	
164	100		
166	122.2	107.9	161.9
129	101.1	73.4	110.2
131	93.6	75.8	113.6





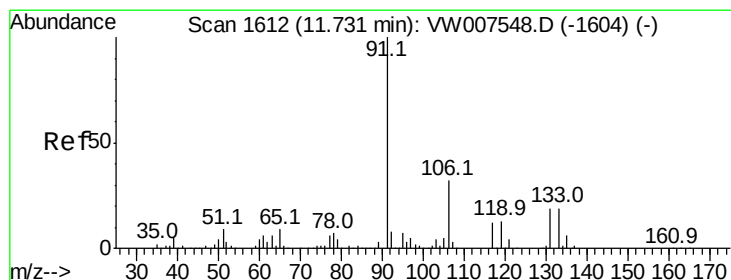
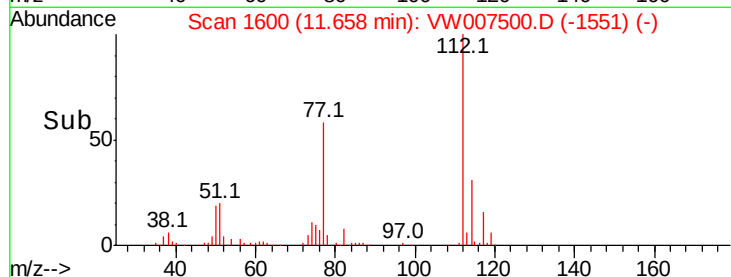
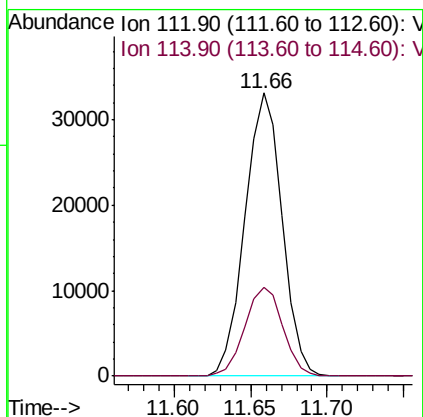
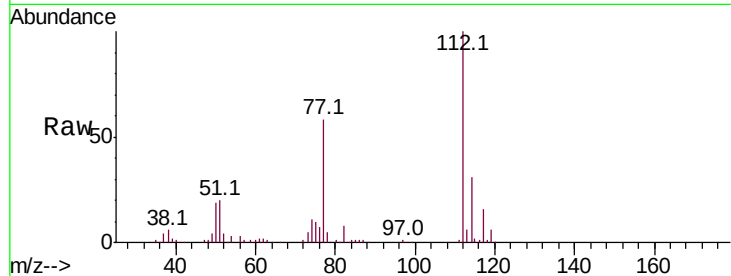
#65
Chlorobenzene
Concen: 20.521 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.8	41.8

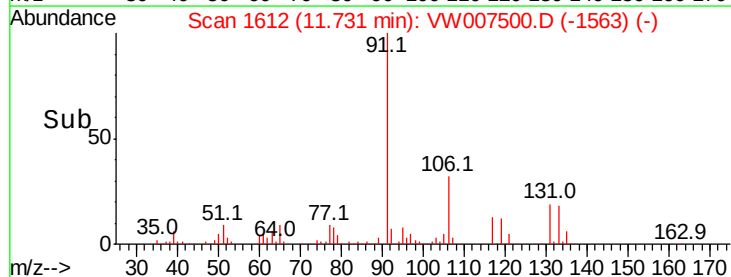
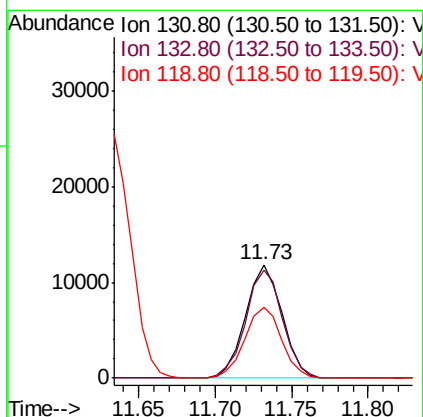
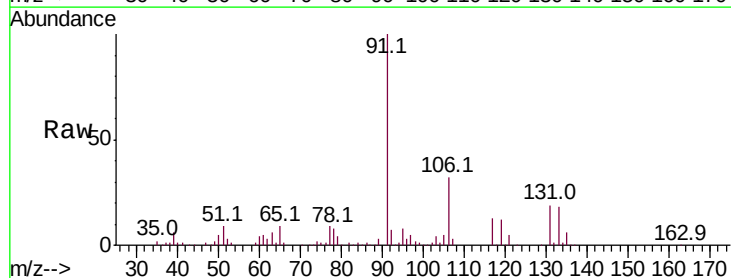
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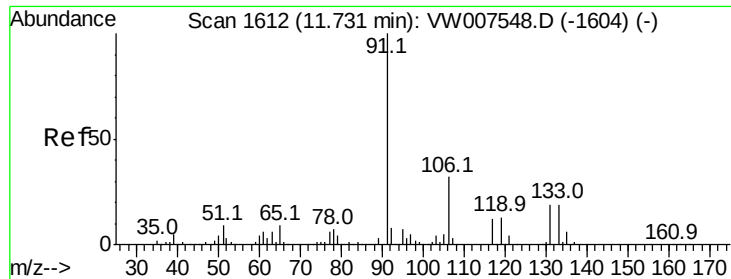
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.534 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.1	141.4
119	63.5	31.3	93.9





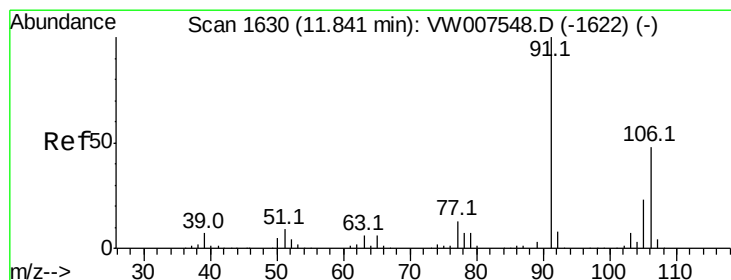
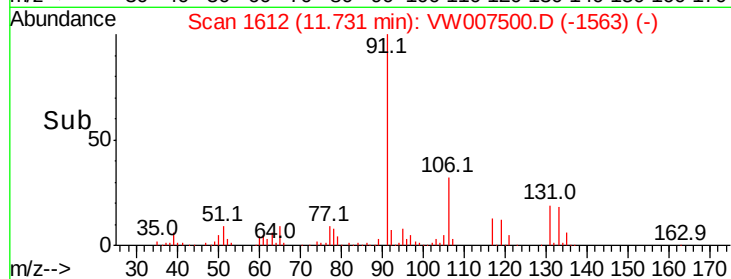
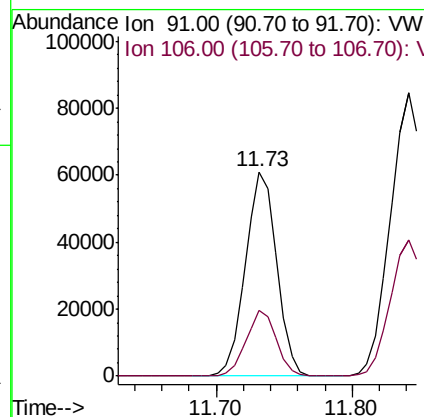
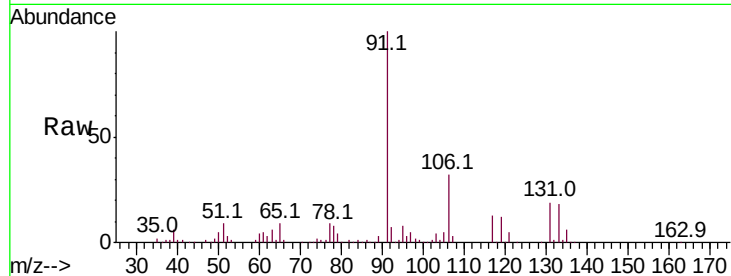
#67
Ethyl Benzene
Concen: 20.997 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion: 91 Resp: 98171
Ion Ratio Lower Upper
91 100
106 32.3 21.8 32.8

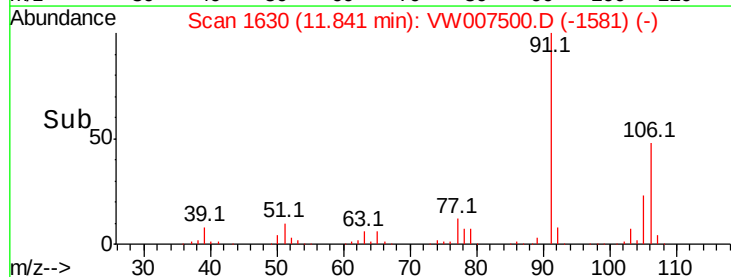
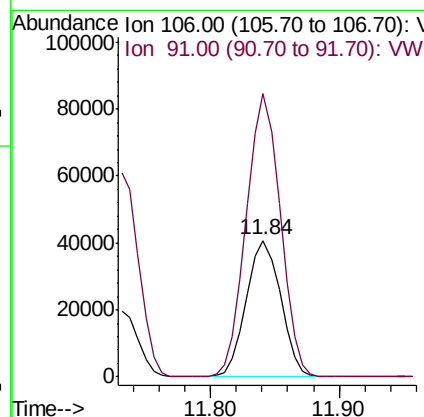
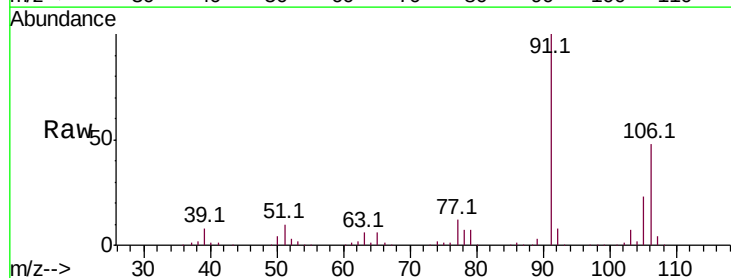
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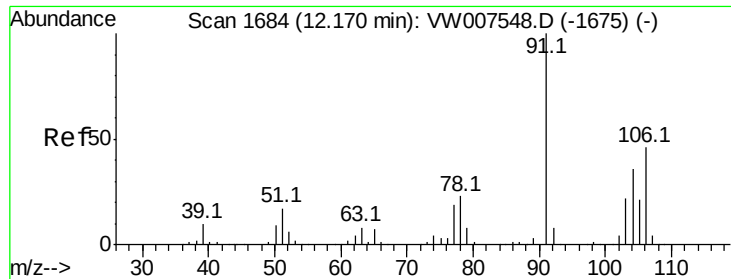
MMDadoda
12/24/2018 12:18:26 PM



#68
m/p-Xylenes
Concen: 41.581 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion: 106 Resp: 75577
Ion Ratio Lower Upper
106 100
91 205.4 165.3 247.9





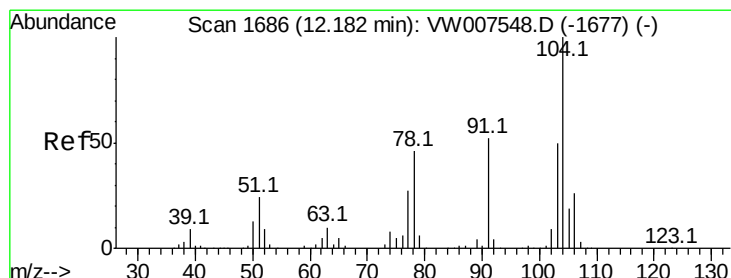
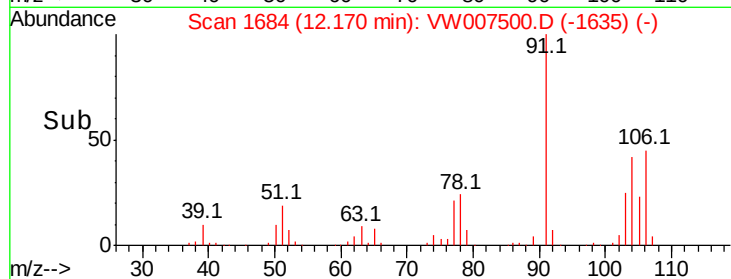
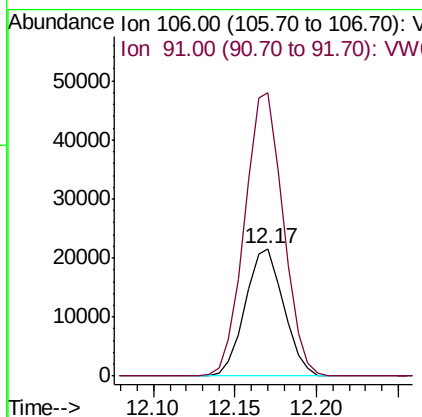
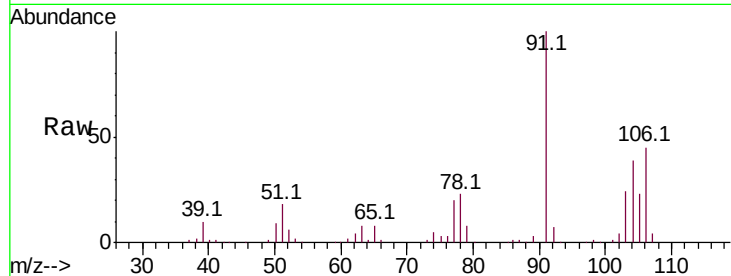
#69
o-Xylene
Concen: 20.921 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion:106 Resp: 35514
Ion Ratio Lower Upper
106 100
91 222.4 106.6 319.8

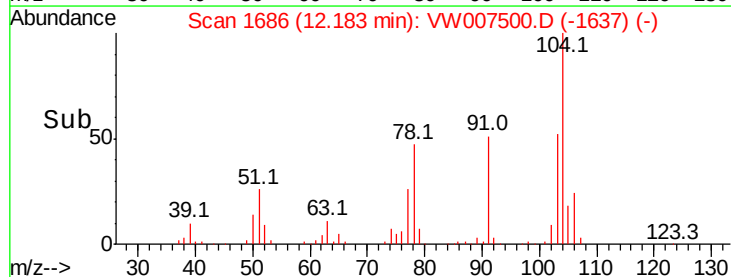
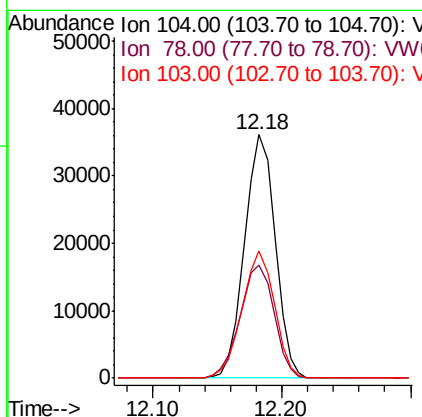
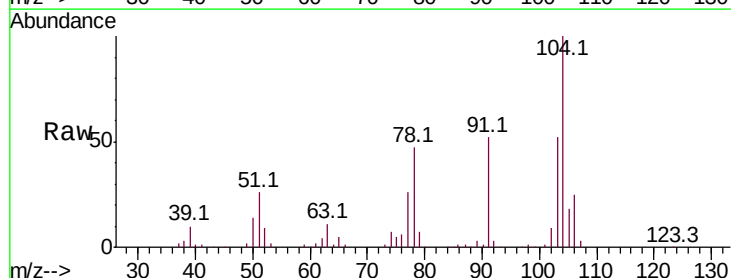
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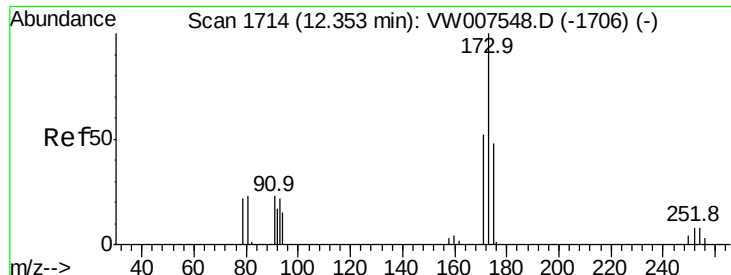
MMDadoda
12/24/2018 12:18:26 PM



#70
Styrene
Concen: 21.674 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion:104 Resp: 59428
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.8
103 55.3 46.6 69.8





#71

Bromoform

Concen: 19.917 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS02

Tot Ion:173 Resp: 9764

Ion Ratio Lower Upper

173 100

175 47.5 23.6 70.8

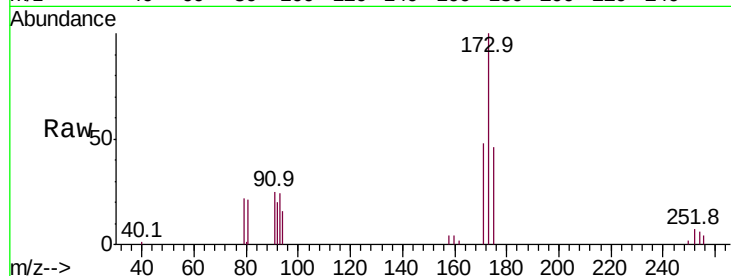
254 0.0 0.0 0.0

Manual Integrations

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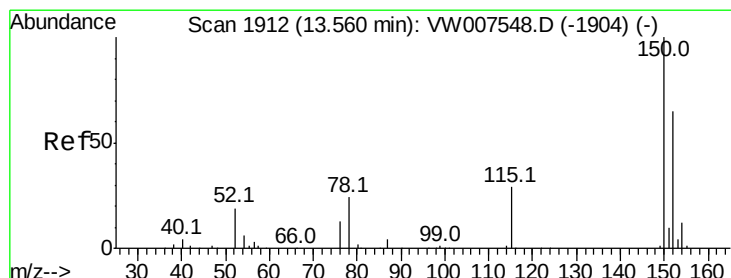
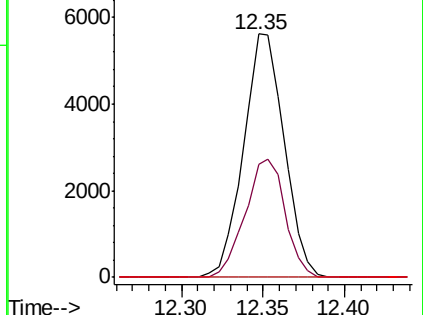
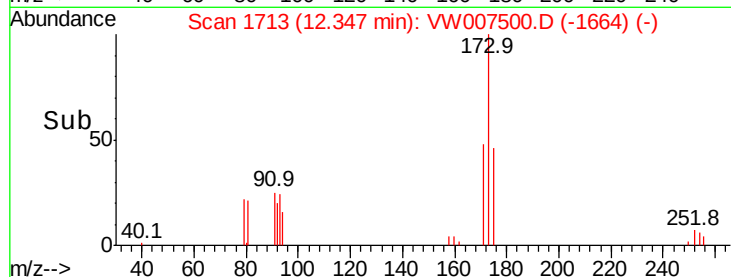
12/24/2018 12:18:26 PM



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: VW007500.D

Acq: 13 Dec 2018 22:31

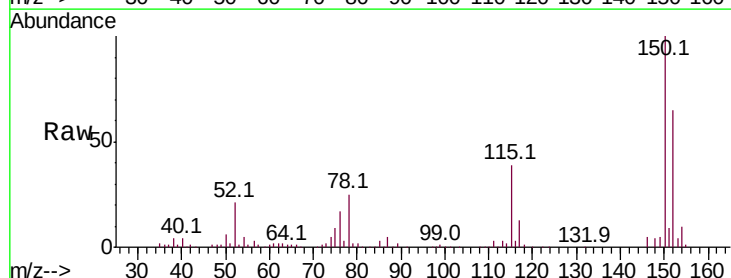
Tgt Ion:152 Resp: 66254

Ion Ratio Lower Upper

152 100

115 61.5 31.4 94.2

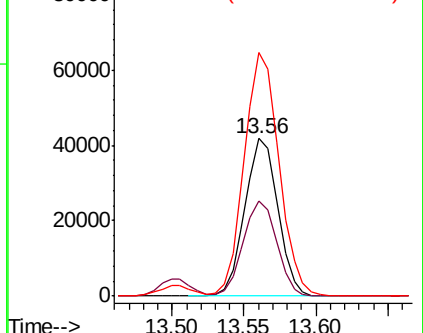
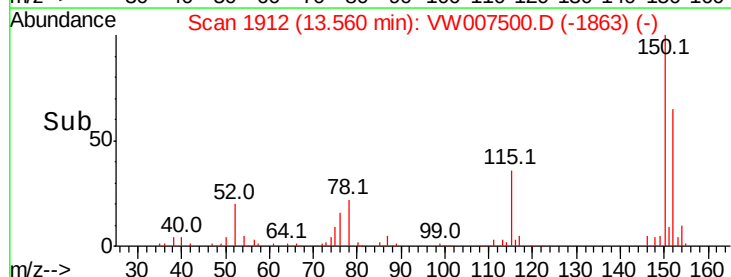
150 163.2 0.0 358.4

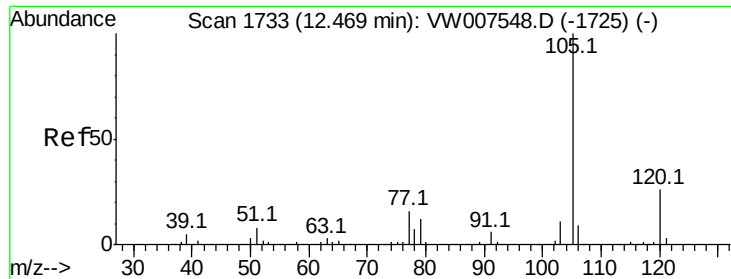


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





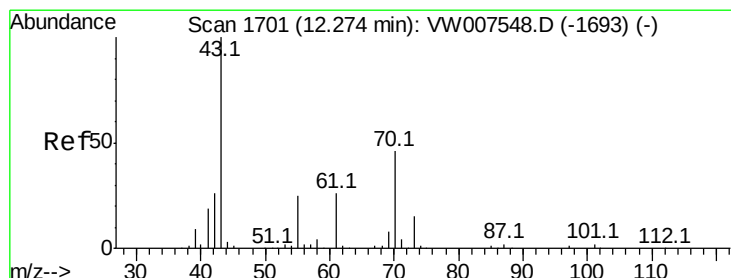
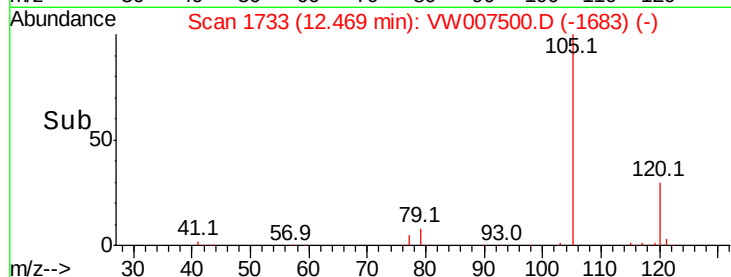
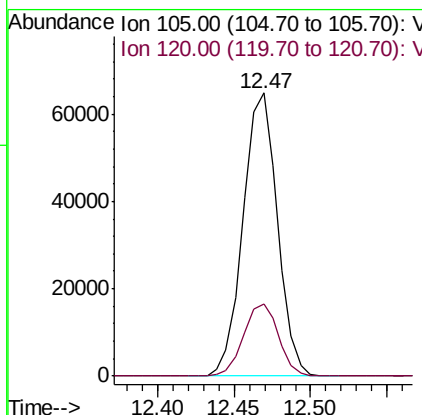
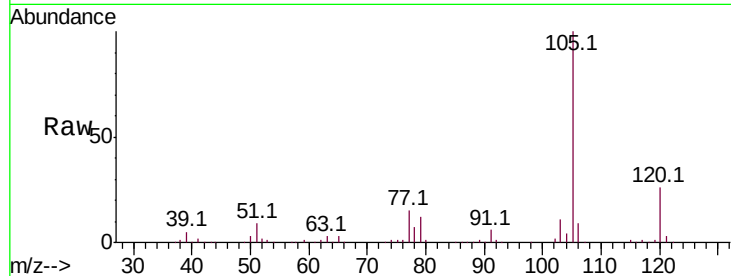
#73
Isopropylbenzene
Concen: 19.911 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion:105 Resp: 101083
Ion Ratio Lower Upper
105 100
120 26.0 12.8 38.4

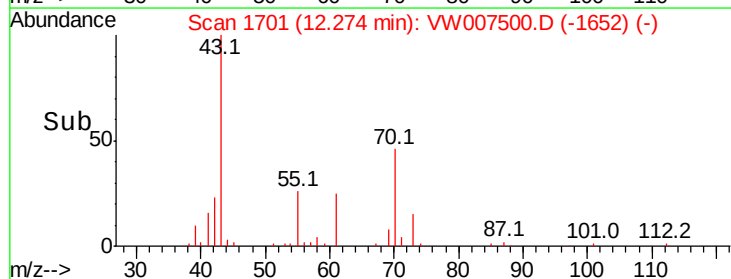
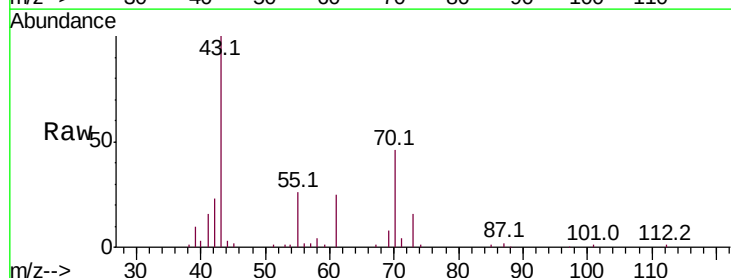
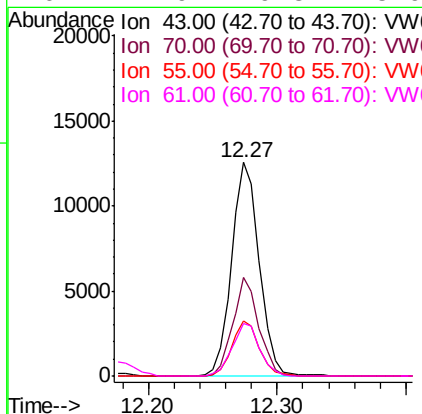
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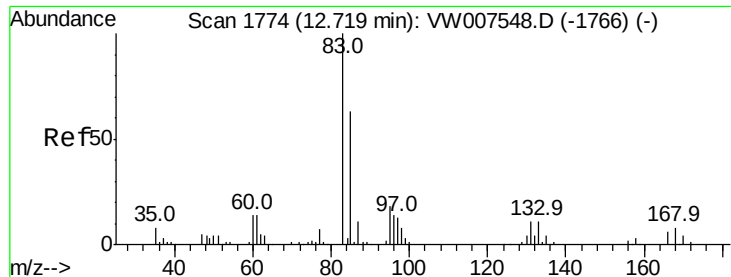
MMDadoda
12/24/2018 12:18:26 PM



#74
N-ethyl acetate
Concen: 20.321 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion: 43 Resp: 18749
Ion Ratio Lower Upper
43 100
70 43.2 36.5 54.7
55 25.1 20.1 30.1
61 24.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.230 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

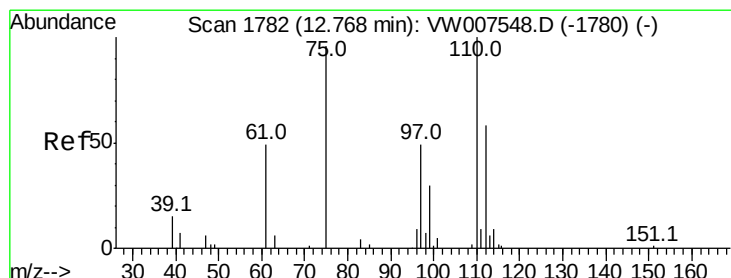
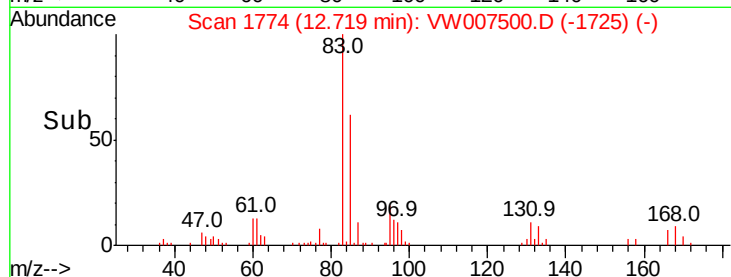
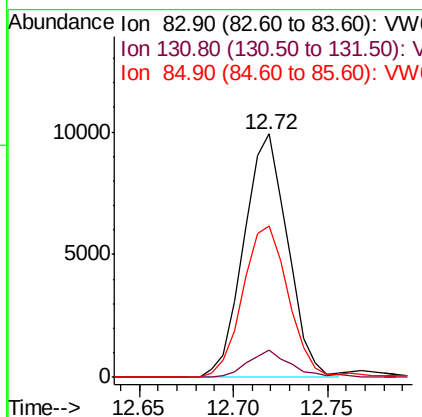
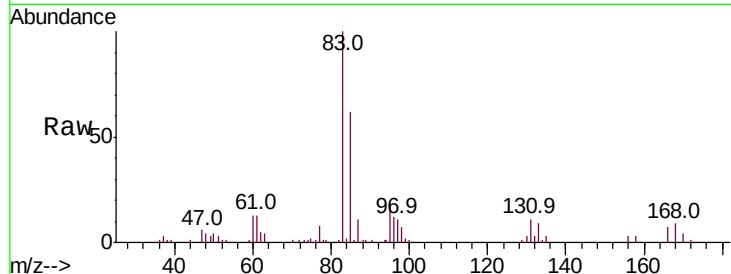
ClientSampleId :

VW1216SBSD02

Tot Ion:	83	Resp:	15963
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.9	17.8
85	64.7	30.0	90.0

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12/24/2018 12:18:26 PM



#76

1,2,3-Trichloropropane

Concen: 21.824 ug/l m

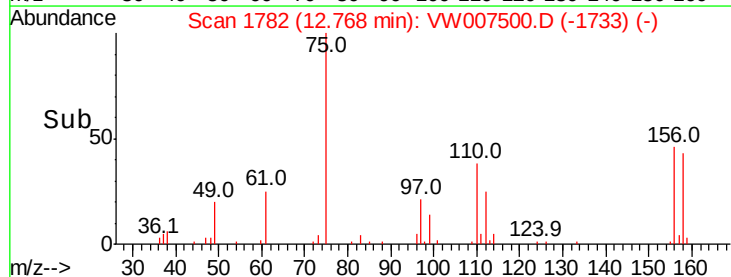
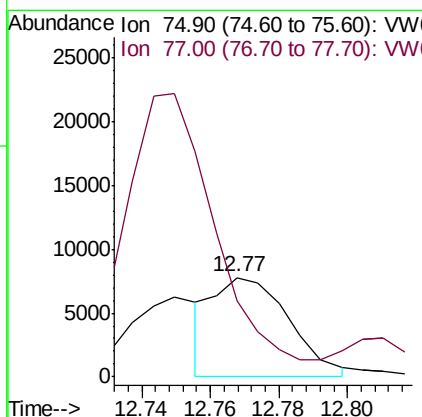
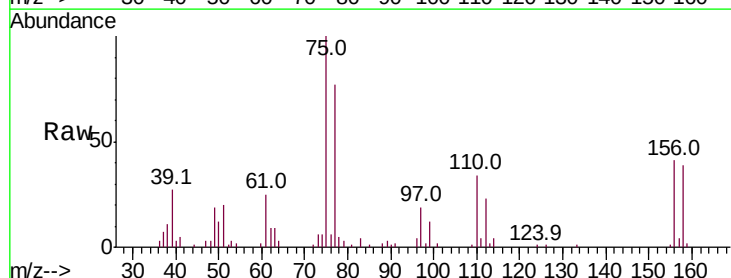
RT: 12.77 min Scan# 1782

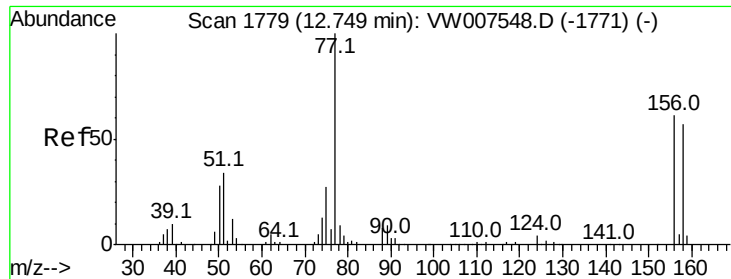
Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion:	75	Resp:	11922
Ion Ratio	Lower	Upper	
75	100		
77	350.8	166.9	500.8





#77

Bromobenzene

Concen: 19.781 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

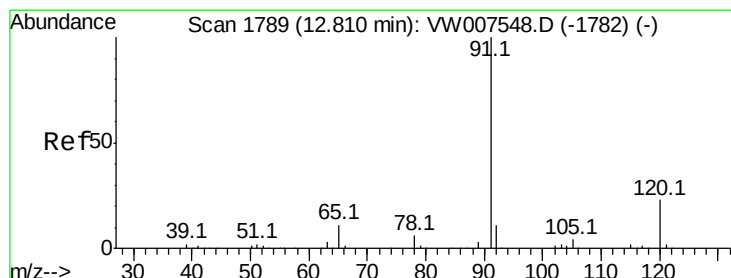
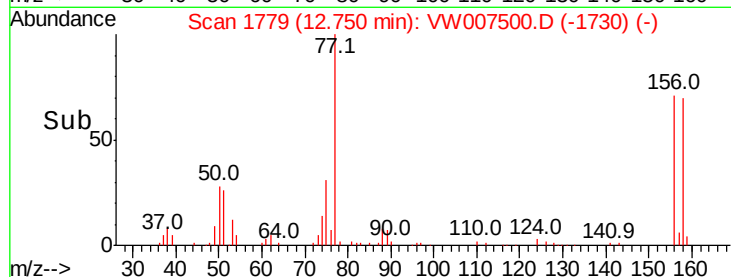
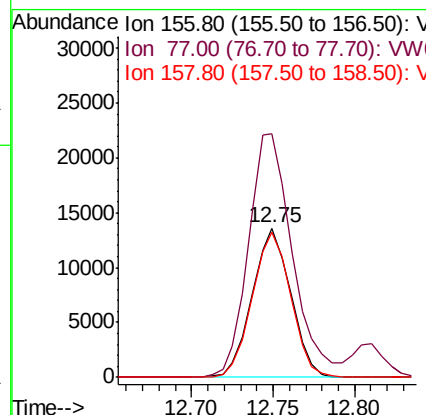
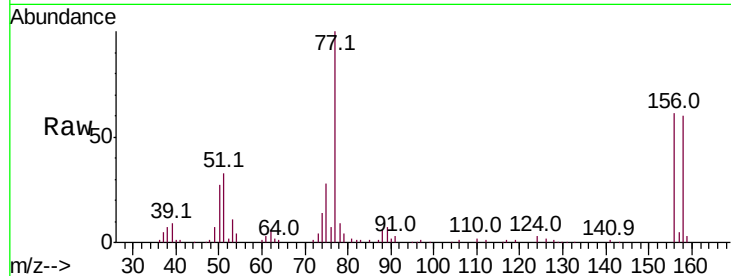
ClientSampleId :

VW1216SBS02

Tot Ion:	156	Resp:	22259
Ion Ratio	Lower	Upper	
156	100		
77	187.9	88.1	264.4
158	97.6	45.6	136.7

Manual Integrations
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#78

n-propylbenzene

Concen: 20.769 ug/l

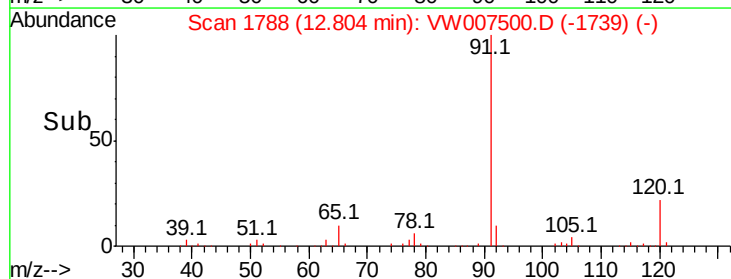
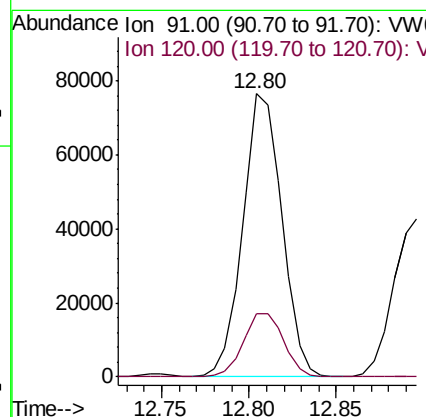
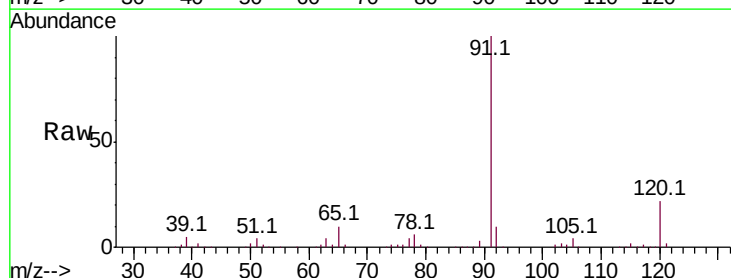
RT: 12.80 min Scan# 1788

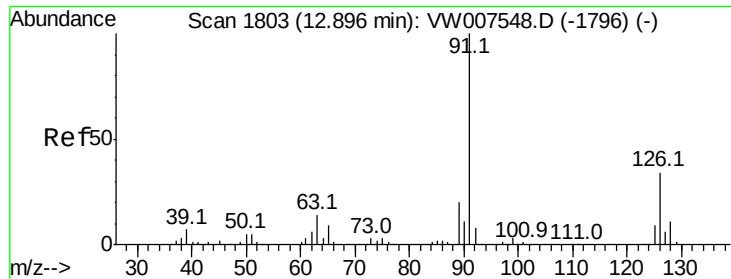
Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion:	91	Resp:	118662
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.9	35.5





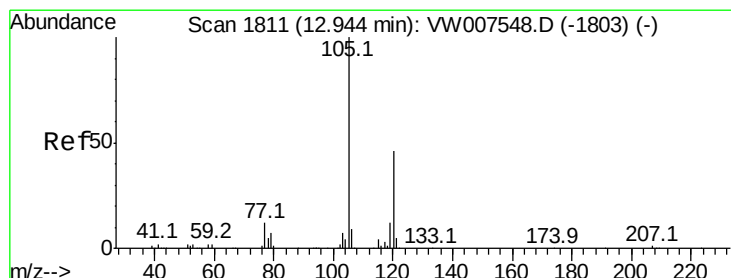
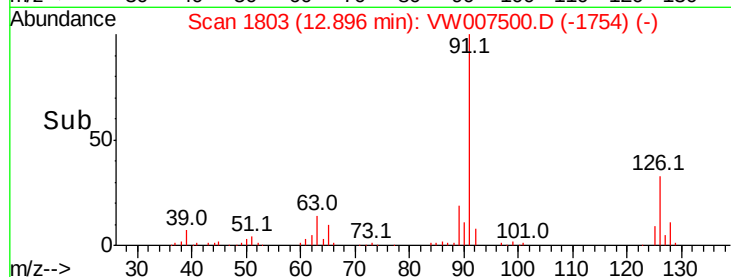
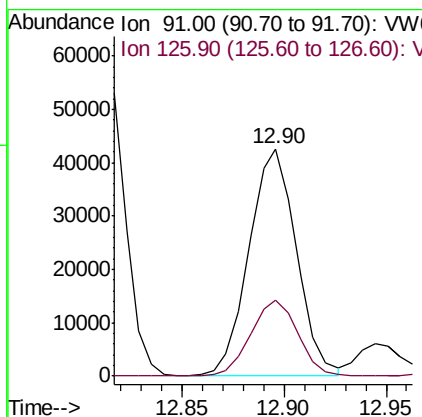
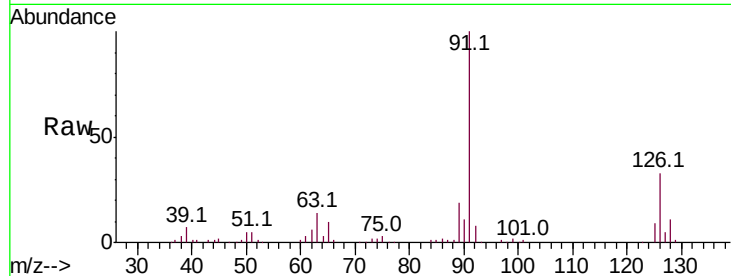
#79
2-Chlorotoluene
Concen: 19.931 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion: 91 Resp: 68901
Ion Ratio Lower Upper
91 100
126 33.2 15.9 47.6

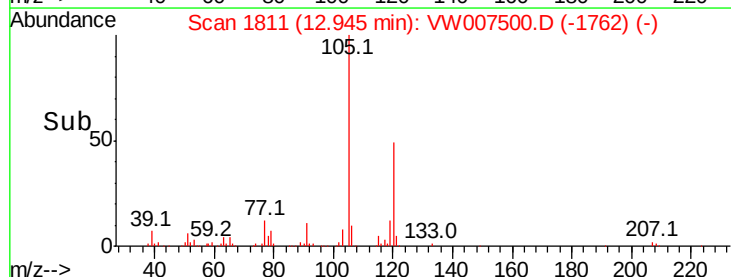
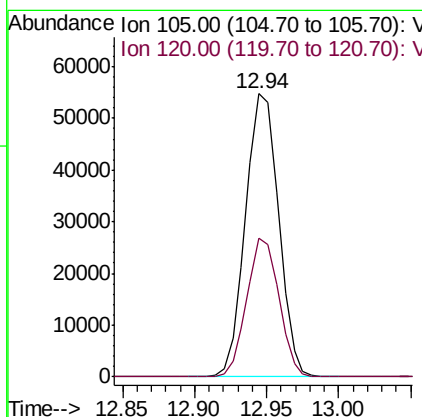
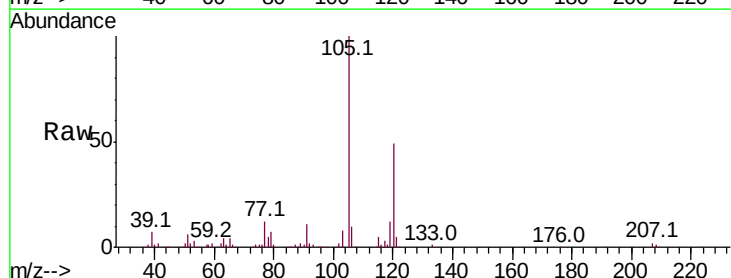
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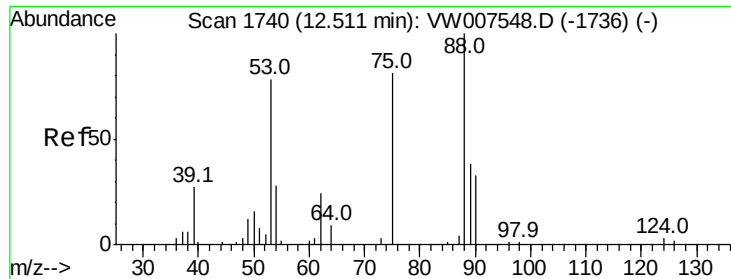
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.422 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion:105 Resp: 87112
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.175 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Instrument :

MSVOA_W

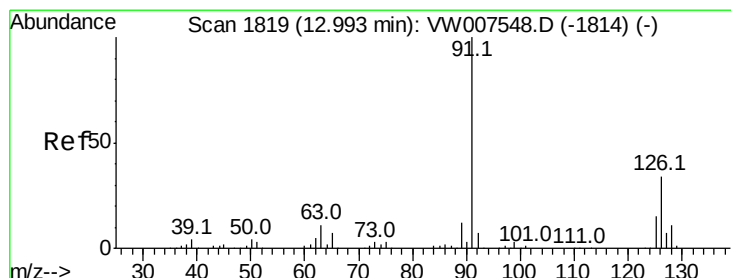
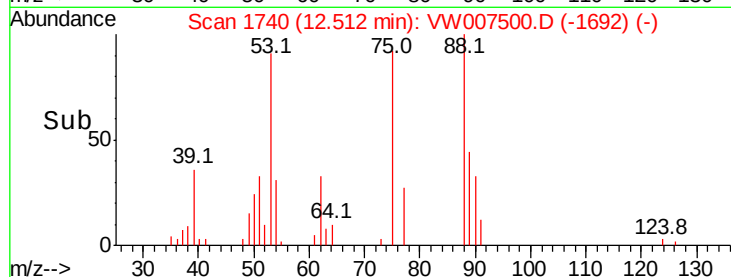
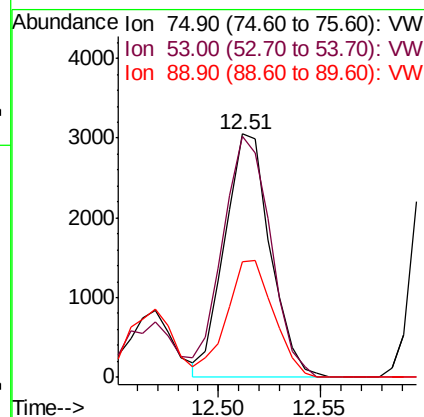
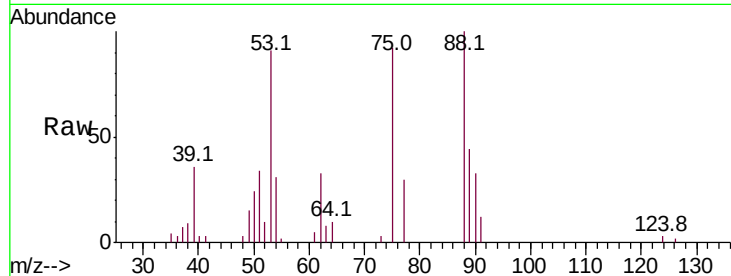
ClientSampleId :

VW1216SBS02

Tot Ion:	75	Resp:	4742
Ion	Ratio	Lower	Upper
75	100		
53	103.4	84.9	127.3
89	49.4	40.3	60.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.044 ug/l

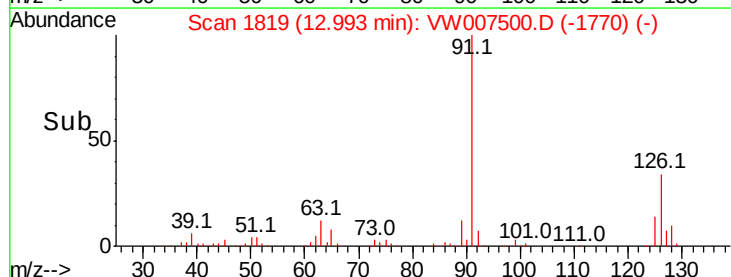
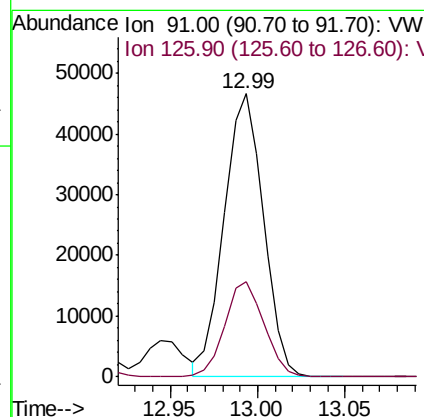
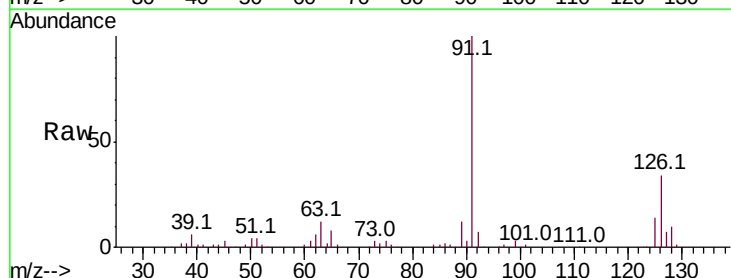
RT: 12.99 min Scan# 1819

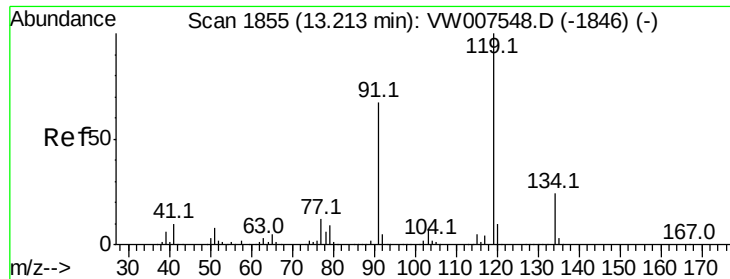
Delta R.T. 0.00 min

Lab File: VW007500.D

Acq: 13 Dec 2018 22:31

Tgt Ion:	91	Resp:	73040
Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.0	48.0





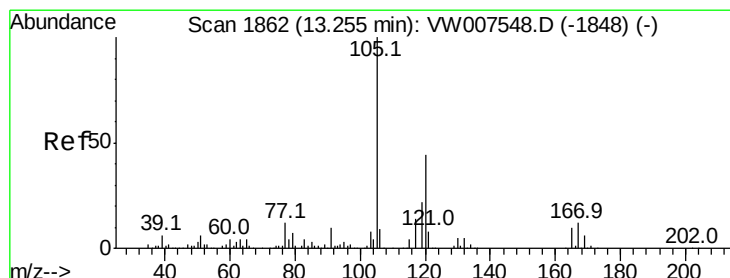
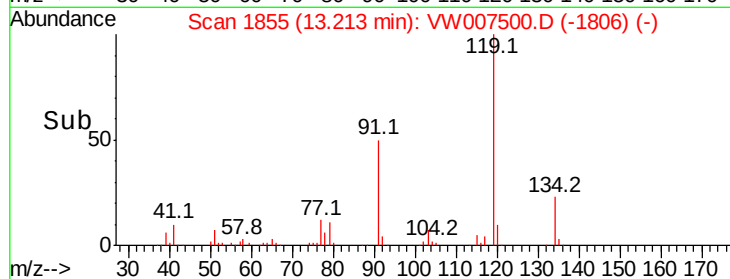
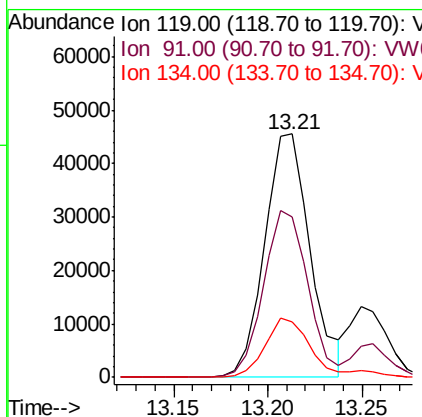
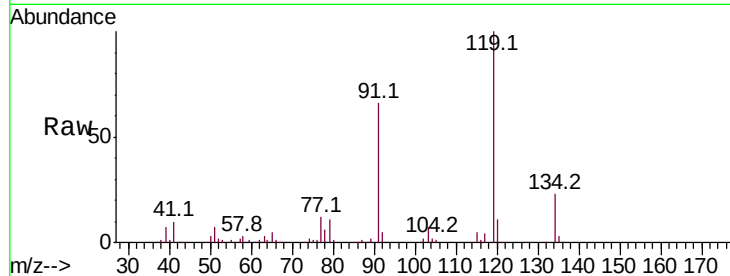
#83
tert-Butylbenzene
Concen: 20.311 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	76342		
91	66.6		33.1	99.2
134	25.4		12.5	37.5

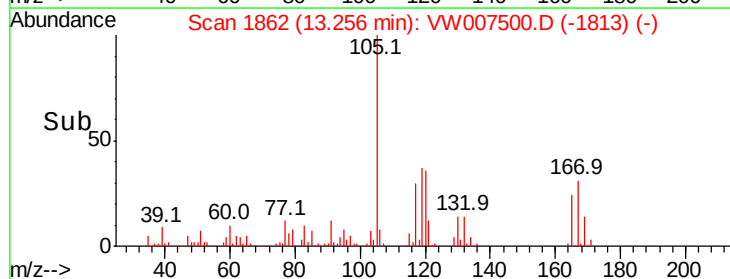
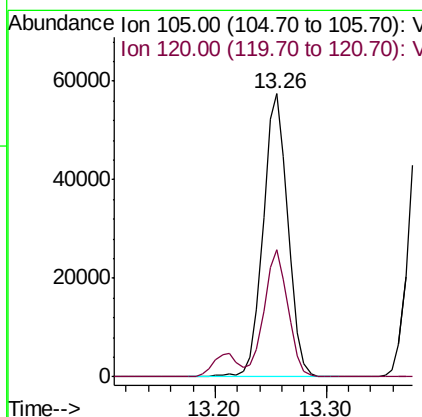
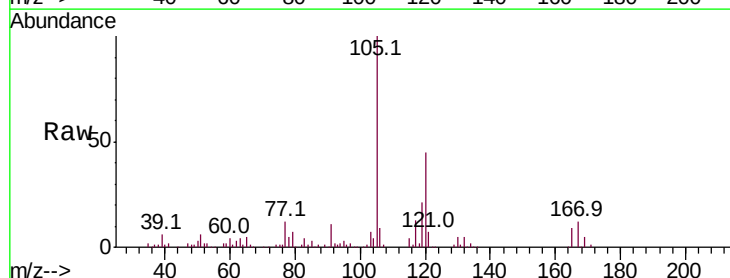
Manual Integrations
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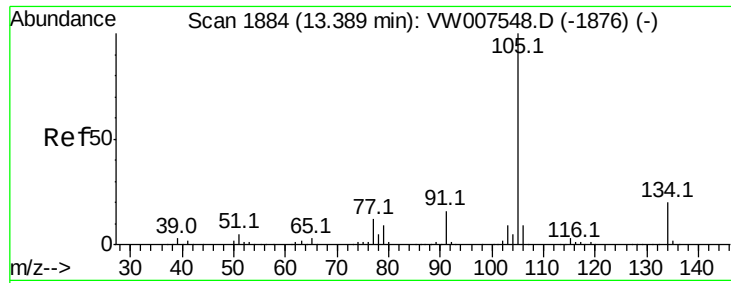
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.278 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	89011		
120	43.5		22.6	67.7





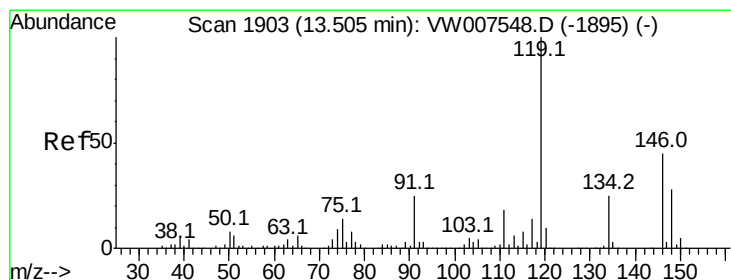
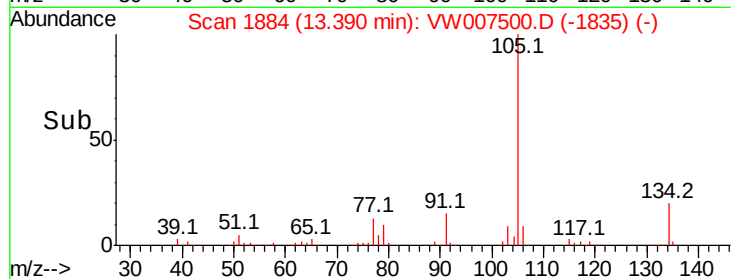
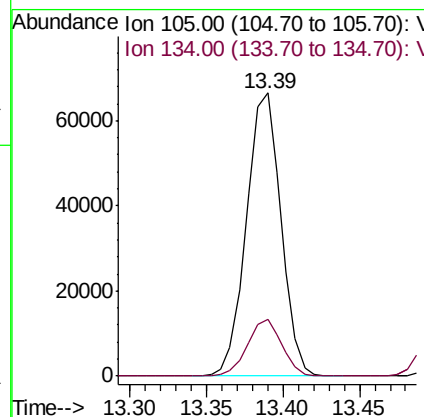
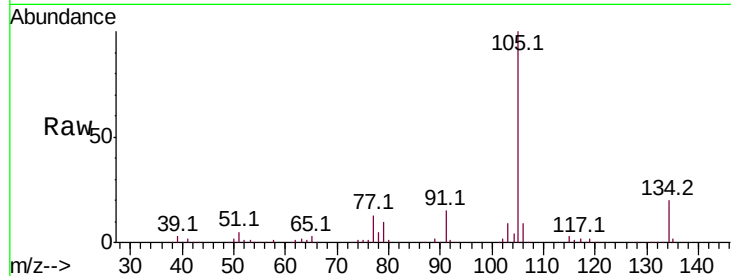
#85
 sec-Butylbenzene
 Concen: 20.327 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	11.1	33.3

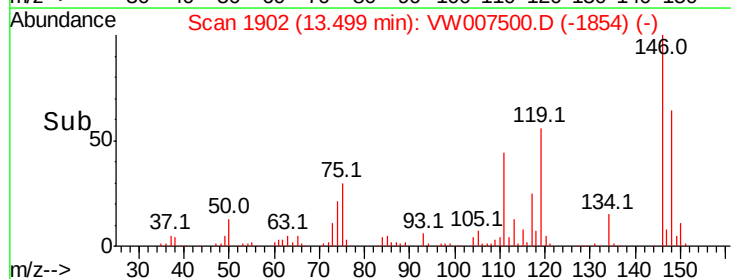
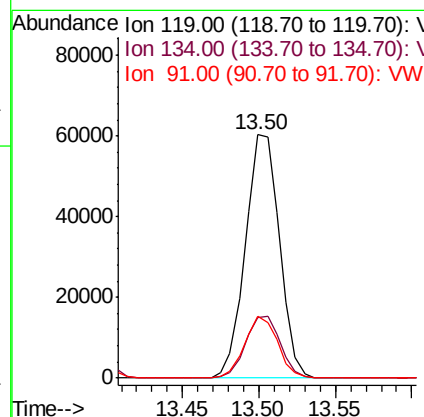
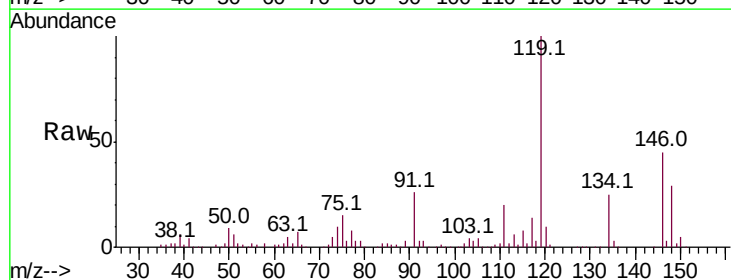
Manual Integrations
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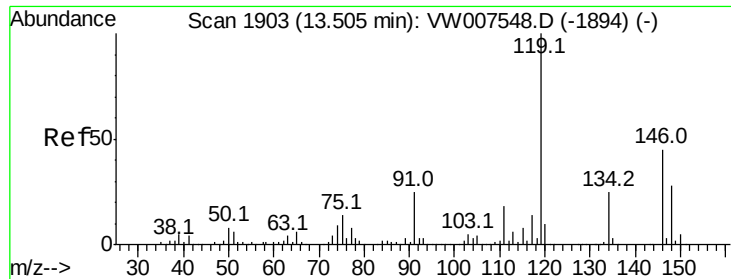
MMDadoda
 12/24/2018 12:18:26 PM



#86
 p-Isopropyltoluene
 Concen: 20.267 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.7
91	24.7	11.9	35.9





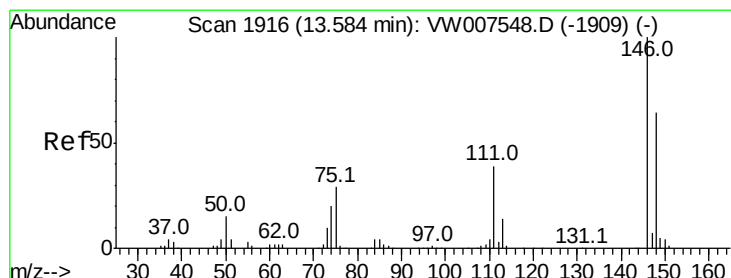
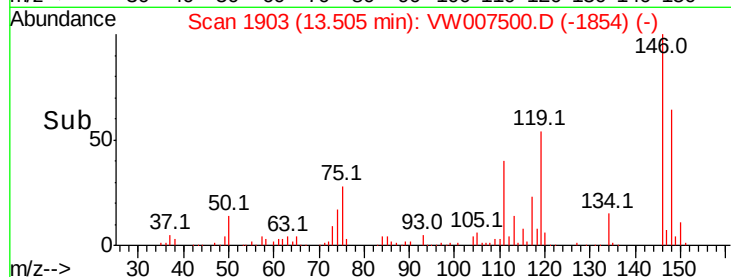
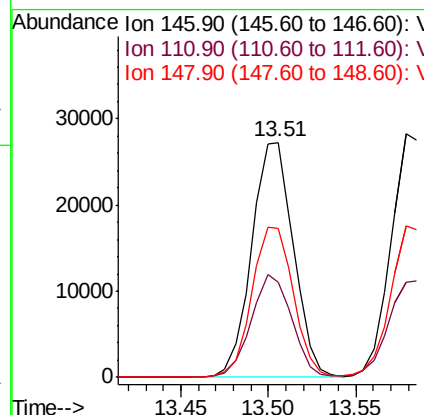
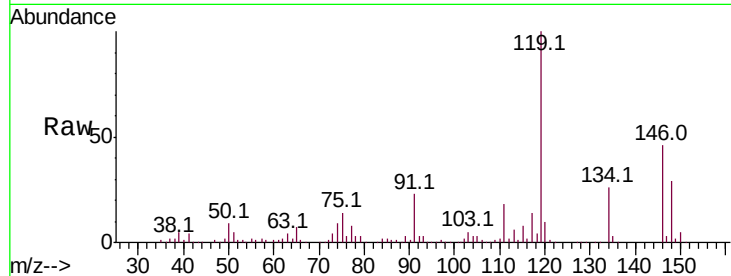
#87
 1,3-Dichlorobenzene
 Concen: 20.127 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.1	60.3
148	63.6	31.4	94.0

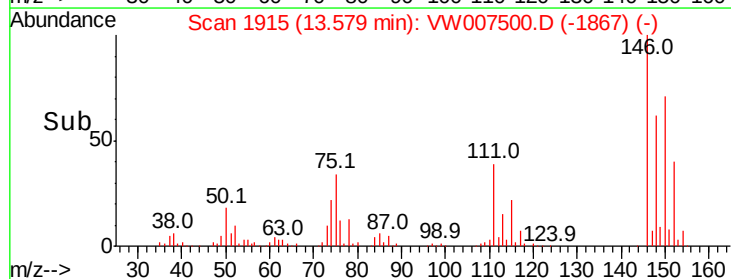
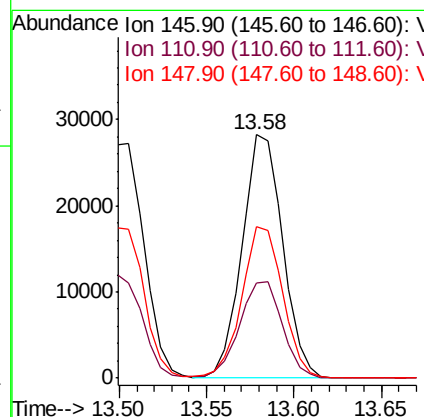
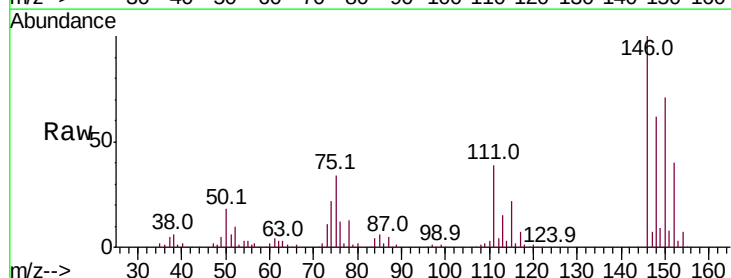
Manual Integrations
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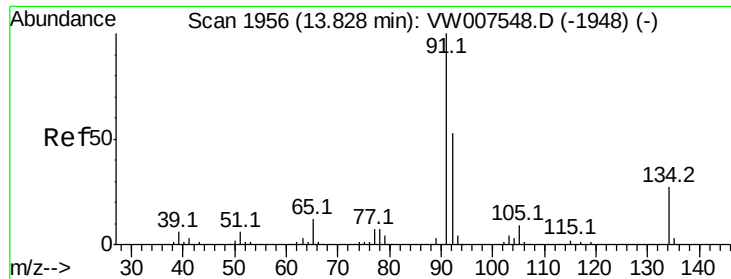
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.222 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	62.7	33.5	100.5





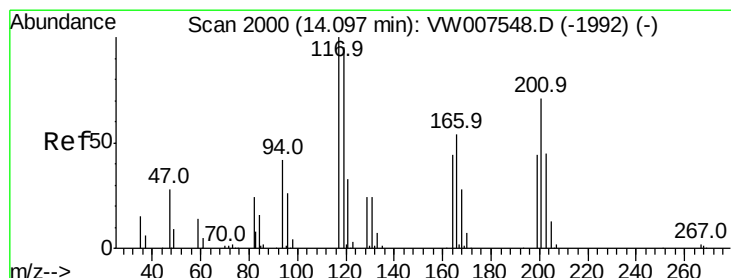
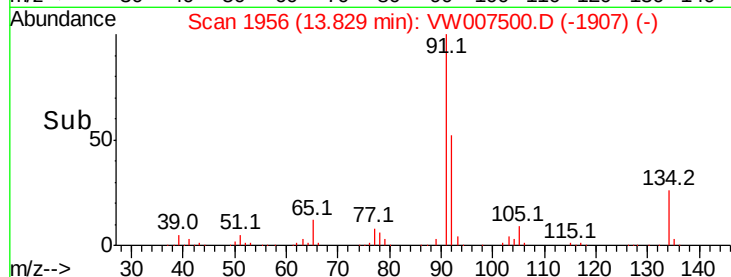
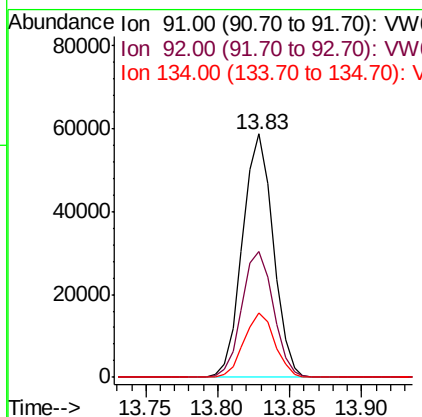
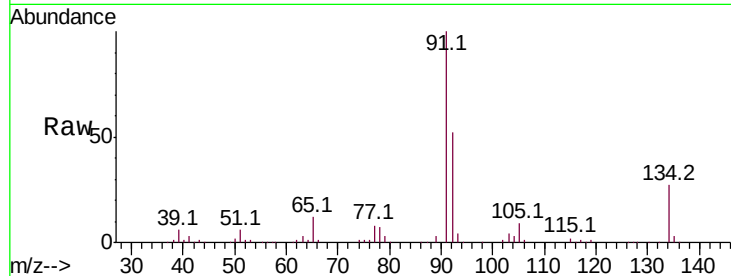
#89
n-Butylbenzene
Concen: 20.313 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	25.7	77.1
134	26.4	13.4	40.2

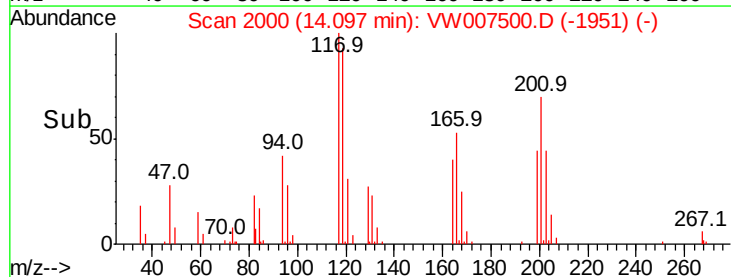
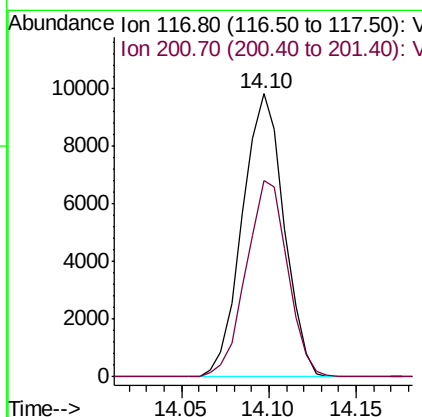
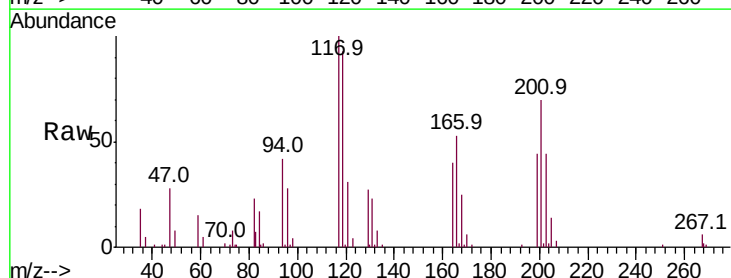
Manual Integrations
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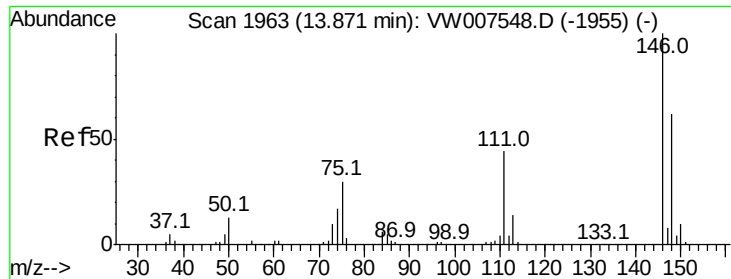
MMDadoda
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#90
Hexachloroethane
Concen: 19.845 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	35.3	105.9





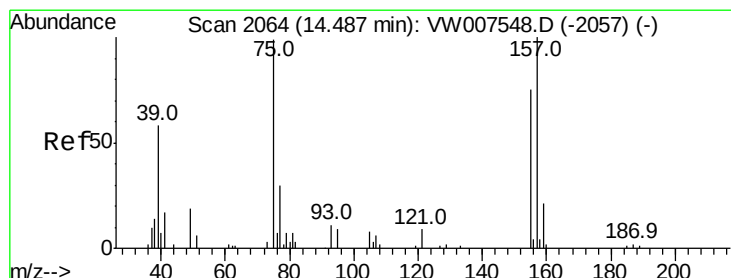
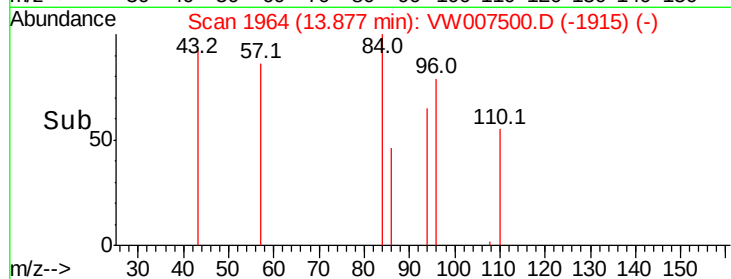
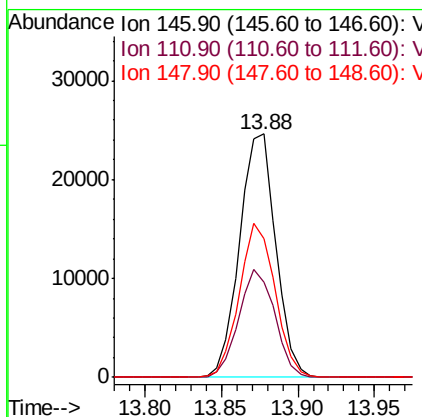
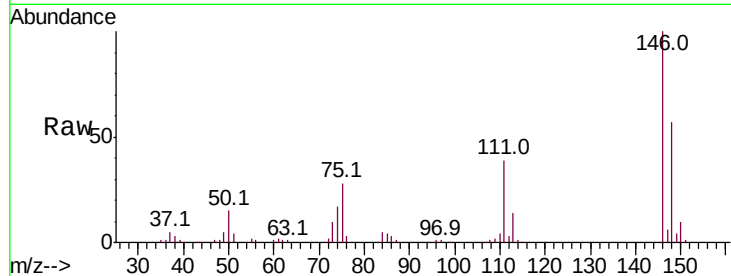
#91
 1,2-Dichlorobenzene
 Concen: 20.160 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.4	67.2
148	62.4	32.4	97.2

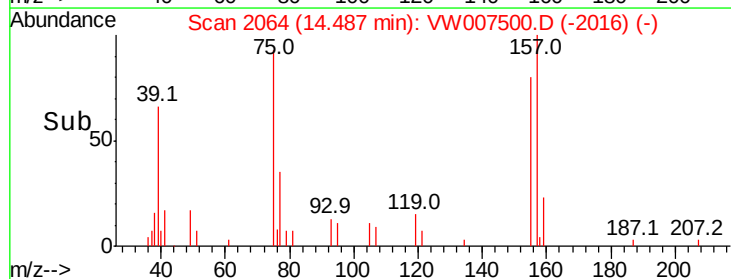
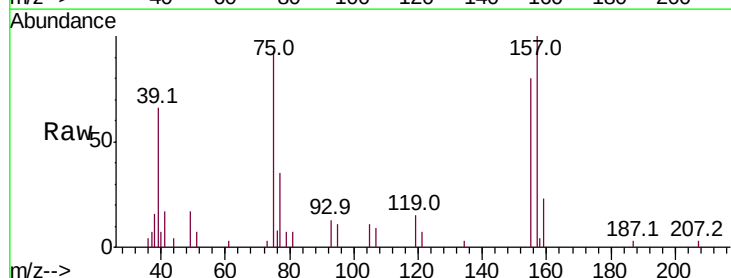
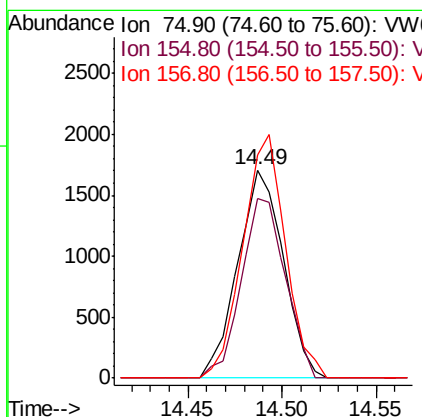
Manual Integrations
 APPROVED

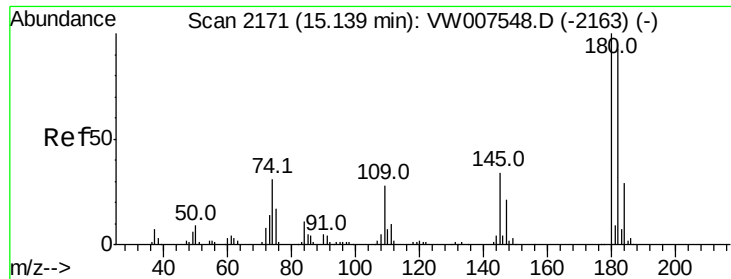
MMDadoda
 12/24/2018 12:18:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.914 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	40.8	122.2
157	109.8	51.1	153.4





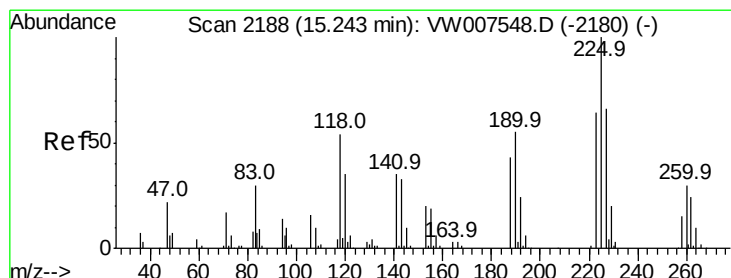
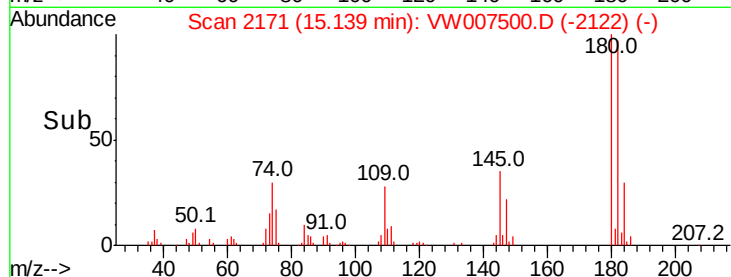
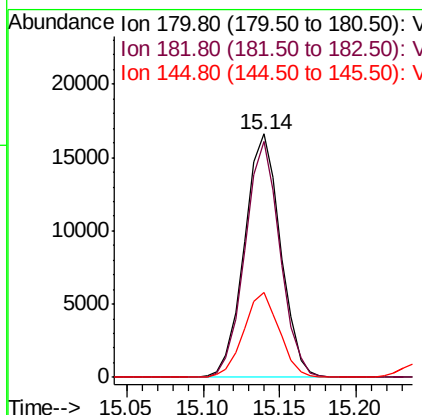
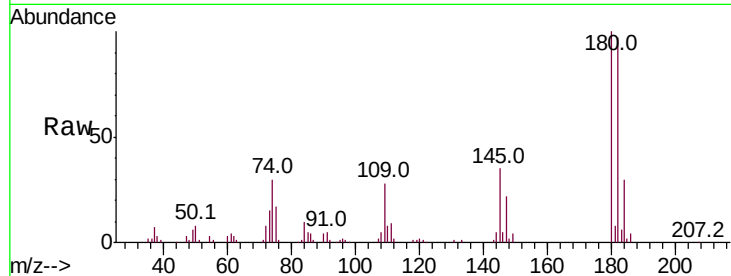
#93
 1,2,4-Trichlorobenzene
 Concen: 19.724 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	49.9	149.6
145	34.5	17.8	53.4

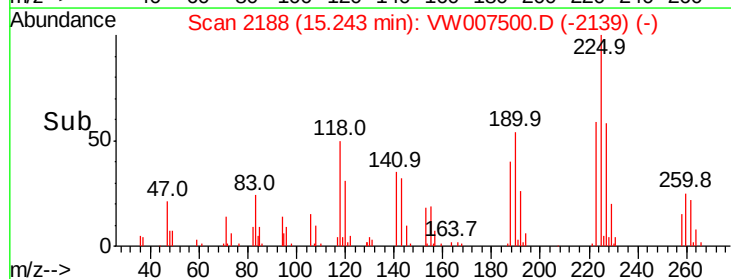
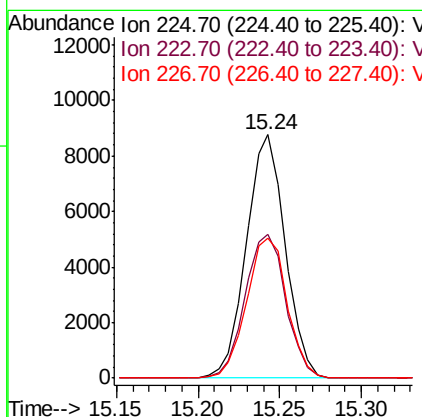
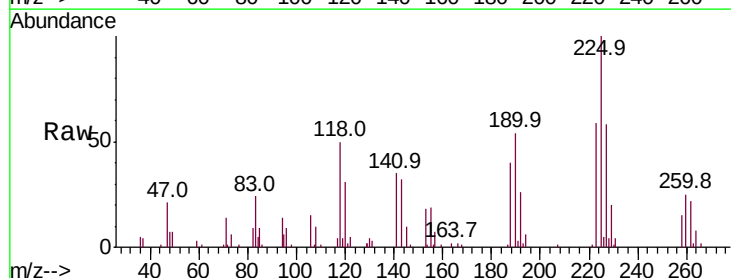
Manual Integrations
 APPROVED

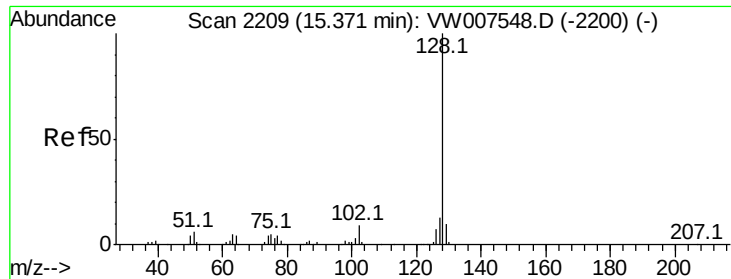
MMDadoda
 12/24/2018 12:18:26 PM



#94
 Hexachlorobutadiene
 Concen: 19.818 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007500.D
 Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.1	96.3
227	60.0	31.9	95.9





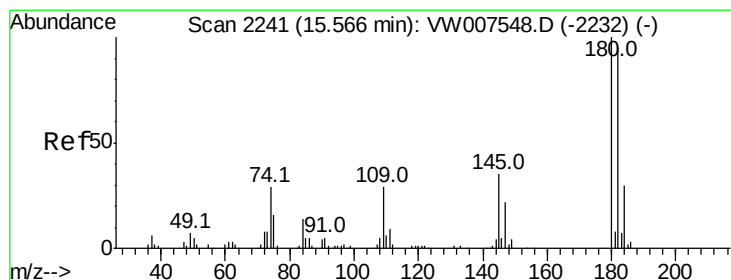
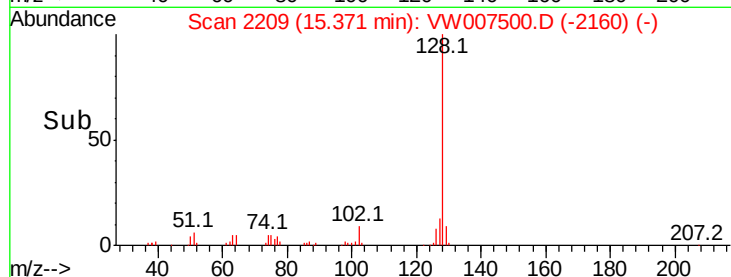
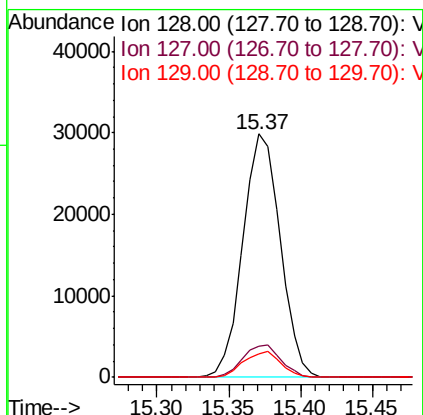
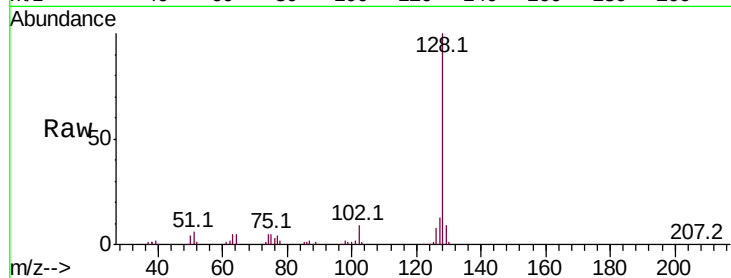
#95
Naphthalene
Concen: 20.263 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
12/24/2018 12:18:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.028 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW007500.D
Acq: 13 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	45.6	136.7
145	35.5	17.5	52.5

