

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007845.D
 Acq On : 22 Dec 2018 16:18
 Operator : SY/AP
 Sample : VW1224SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 3:18:31 PM

Quant Time: Dec 24 01:55:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	97950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	139962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69900	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47216	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
35) Dibromofluoromethane	7.88	113	43016	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
50) Toluene-d8	10.32	98	172449	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.62	95	64841	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	13551	15.562	ug/l	95
3) Chloromethane	2.22	50	11669	21.823	ug/l	100
4) Vinyl Chloride	2.37	62	16411	24.111	ug/l	94
5) Bromomethane	2.78	94	10460	22.064	ug/l	97
6) Chloroethane	2.93	64	8472	23.266	ug/l	97
7) Trichlorofluoromethane	3.26	101	12149	17.144	ug/l	95
8) Diethyl Ether	3.68	74	8927	20.567	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.07	101	18586	17.809	ug/l	100
10) Methyl Iodide	4.27	142	30127	18.152	ug/l	94
11) Tert butyl alcohol	5.17	59	7985	110.258	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	17896	18.518	ug/l	97
13) Acrolein	3.90	56	5649	97.556	ug/l	93
14) Allyl chloride	4.67	41	26118	20.609	ug/l	91
15) Acrylonitrile	5.37	53	18214	98.376	ug/l	98
16) Acetone	4.12	43	18741	93.221	ug/l	98
17) Carbon Disulfide	4.37	76	52560	17.575	ug/l	100
18) Methyl Acetate	4.67	43	9350	19.556	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	30052	21.661	ug/l	95
20) Methylene Chloride	4.91	84	29076	25.878	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	18816	17.703	ug/l	91
22) Diisopropyl ether	6.31	45	49684	20.938	ug/l	99
23) Vinyl Acetate	6.26	43	144734	102.659	ug/l	98
24) 1,1-Dichloroethane	6.21	63	32591	18.669	ug/l	97
25) 2-Butanone	7.17	43	23593	100.194	ug/l	91
26) 2,2-Dichloropropane	7.17	77	24922	19.509	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	21516	19.001	ug/l	99
28) Bromochloromethane	7.51	49	11481	19.289	ug/l #	90
29) Tetrahydrofuran	7.52	42	14722	104.816	ug/l	97
30) Chloroform	7.67	83	34880	17.656	ug/l	98
31) Cyclohexane	7.95	56	32603	20.401	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	31133	17.303	ug/l	99
36) 1,1-Dichloropropene	8.08	75	27879	18.416	ug/l	98
37) Ethyl Acetate	7.25	43	10877	20.819	ug/l	99
38) Carbon Tetrachloride	8.07	117	27979	15.693	ug/l	94

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Quant Time: Dec 24 01:55:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37412	19.888	ug/l	97
40) Benzene	8.32	78	75537	18.699	ug/l	99
41) Methacrylonitrile	7.49	41	5984	20.174	ug/l	94
42) 1,2-Dichloroethane	8.40	62	23415	17.296	ug/l	98
43) Isopropyl Acetate	8.43	43	21011	20.073	ug/l	99
44) Trichloroethene	9.09	130	21350	17.476	ug/l	100
45) 1,2-Dichloropropane	9.37	63	17794	19.851	ug/l	99
46) Dibromomethane	9.46	93	9839	17.831	ug/l	99
47) Bromodichloromethane	9.65	83	23946	16.508	ug/l	98
48) Methyl methacrylate	9.44	41	11554m	22.114	ug/l	
49) 1,4-Dioxane	9.45	88	3040	347.497	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	50213	101.507	ug/l	99
52) Toluene	10.39	92	60626	22.368	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	26625	18.453	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	29819	18.710	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	14157	18.611	ug/l	94
56) Ethyl methacrylate	10.65	69	17664	19.654	ug/l	95
57) 1,3-Dichloropropane	10.93	76	23585	18.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	42749	104.178	ug/l	98
59) 2-Hexanone	10.97	43	36166	103.958	ug/l	100
60) Dibromochloromethane	11.13	129	15519	15.408	ug/l	96
61) 1,2-Dibromoethane	11.24	107	13952	18.112	ug/l	98
64) Tetrachloroethene	10.86	164	18038	18.200	ug/l	96
65) Chlorobenzene	11.66	112	55597	18.353	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	18360	16.962	ug/l	98
67) Ethyl Benzene	11.73	91	101473	19.520	ug/l	99
68) m/p-Xylenes	11.84	106	80930	40.133	ug/l	99
69) o-Xylene	12.17	106	37354	19.762	ug/l	98
70) Styrene	12.18	104	59520	19.156	ug/l	98
71) Bromoform	12.35	173	8511	15.146	ug/l #	99
73) Isopropylbenzene	12.47	105	103403	19.570	ug/l	99
74) N-amyl acetate	12.27	43	19929	21.775	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	15385	19.421	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	12553m	23.235	ug/l	
77) Bromobenzene	12.75	156	22407	18.505	ug/l	95
78) n-propylbenzene	12.81	91	119249	19.388	ug/l	99
79) 2-Chlorotoluene	12.90	91	69214	19.317	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	89635	19.667	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5004	19.442	ug/l	96
82) 4-Chlorotoluene	12.99	91	73665	19.309	ug/l	100
83) tert-Butylbenzene	13.21	119	77762	19.446	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	90342	19.645	ug/l	99
85) sec-Butylbenzene	13.39	105	108271	19.646	ug/l	99
86) p-Isopropyltoluene	13.51	119	98221	19.599	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	45257	18.824	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	44946	18.689	ug/l	98
89) n-Butylbenzene	13.83	91	90495	19.695	ug/l	99
90) Hexachloroethane	14.10	117	13913	15.814	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	40846	18.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2770	17.026	ug/l	96

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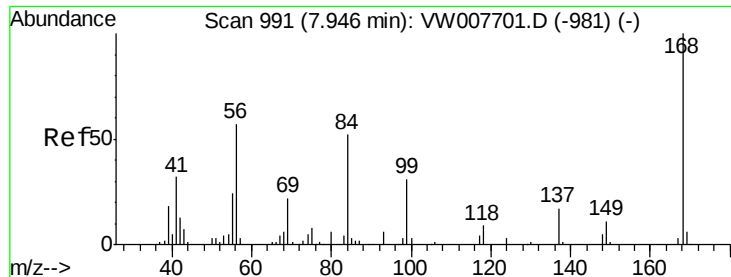
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	29083	19.464	ug/l	98
94) Hexachlorobutadiene	15.24	225	15324	19.190	ug/l	99
95) Naphthalene	15.38	128	57300	20.742	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	24258	18.966	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 168 Resp: 97950

Ion Ratio Lower Upper

168 100

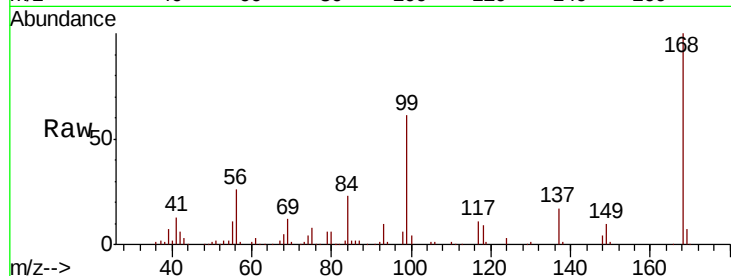
99 60.9 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

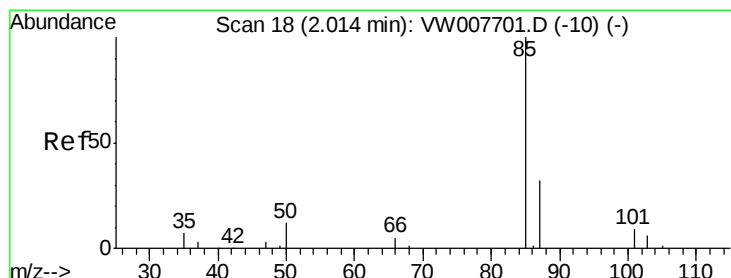
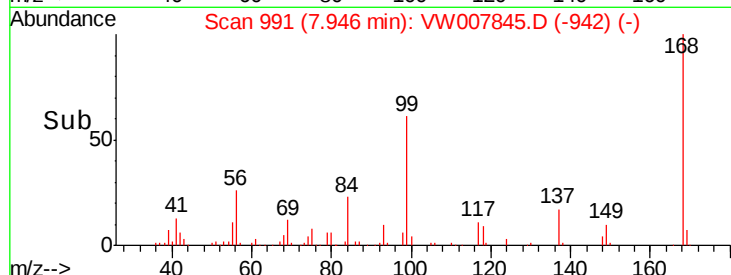
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 15.562 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007845.D

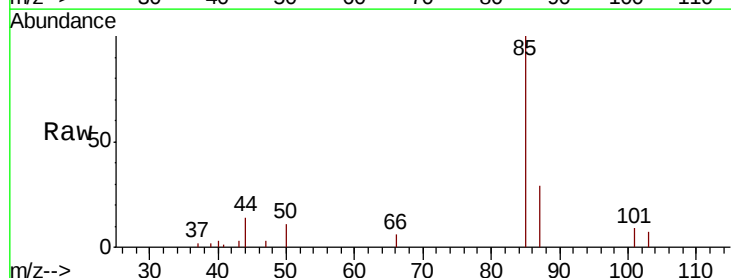
Acq: 22 Dec 2018 16:18

Tgt Ion: 85 Resp: 13551

Ion Ratio Lower Upper

85 100

87 29.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

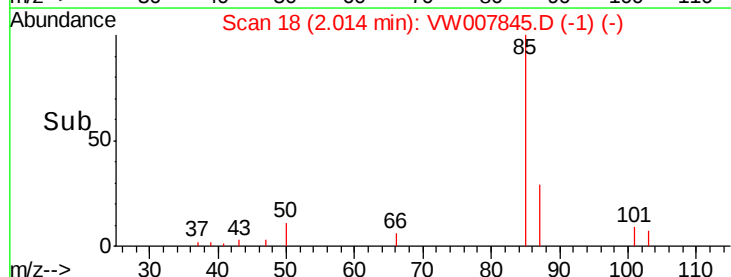
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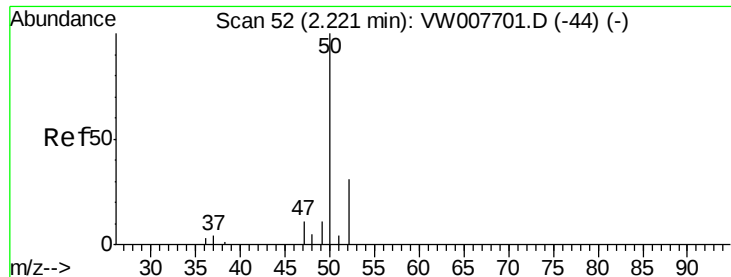
1000

0

1.95 2.00 2.05 2.10 2.15

Time-->





#3

Chloromethane

Concen: 21.823 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 50 Resp: 11669

Ion Ratio Lower Upper

50 100

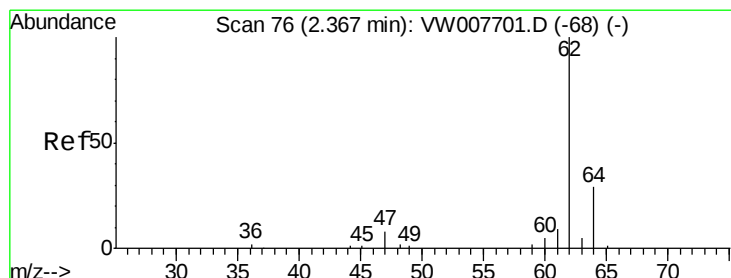
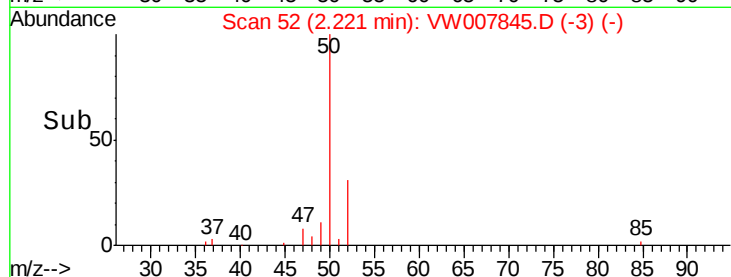
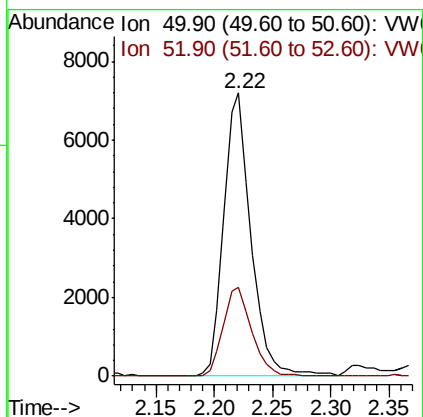
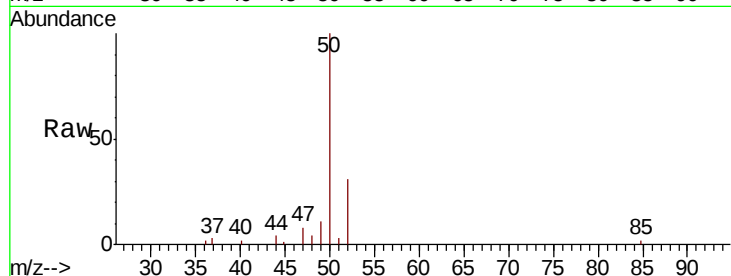
52 31.5 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.111 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007845.D

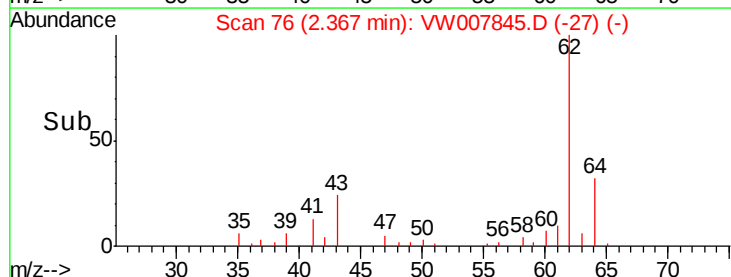
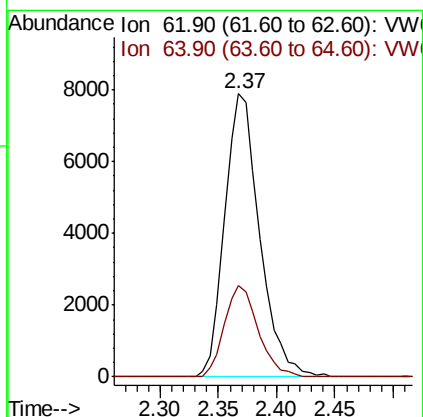
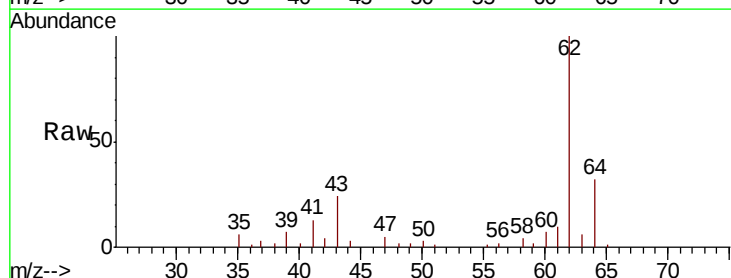
Acq: 22 Dec 2018 16:18

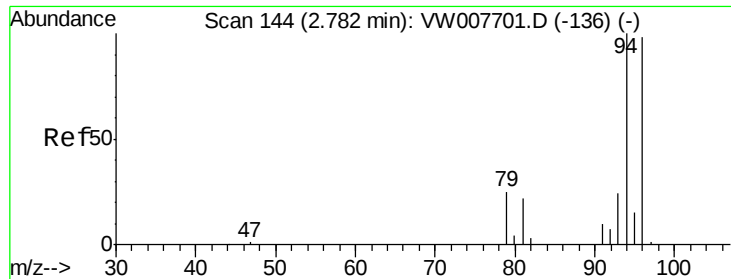
Tgt Ion: 62 Resp: 16411

Ion Ratio Lower Upper

62 100

64 32.5 23.4 35.0





#5

Bromomethane

Concen: 22.064 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 94 Resp: 10460

Ion Ratio Lower Upper

94 100

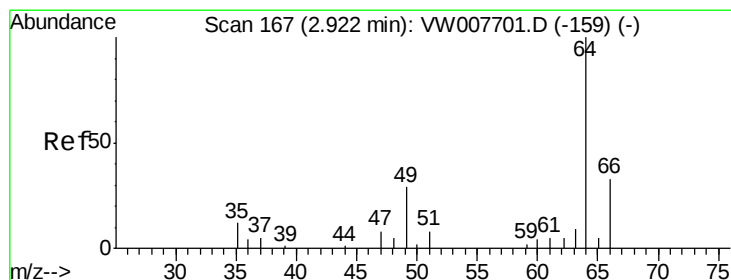
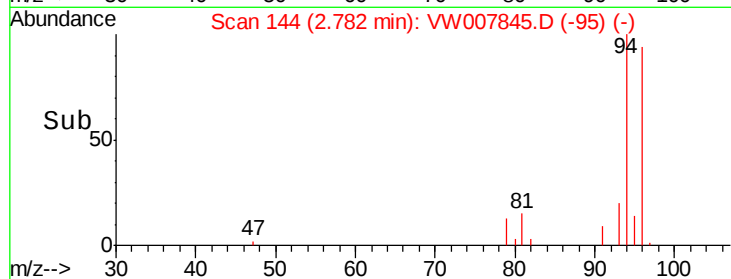
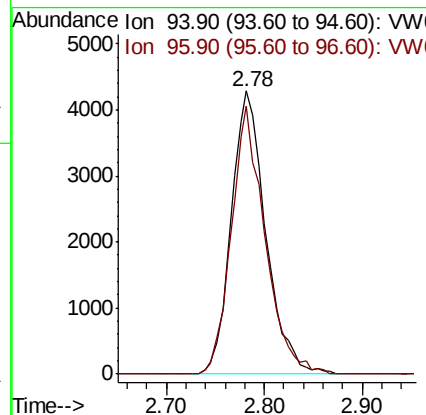
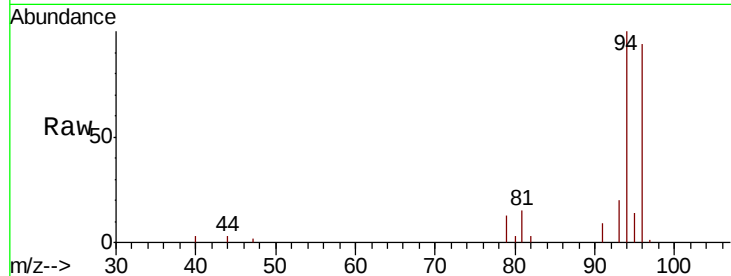
96 94.5 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 23.266 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007845.D

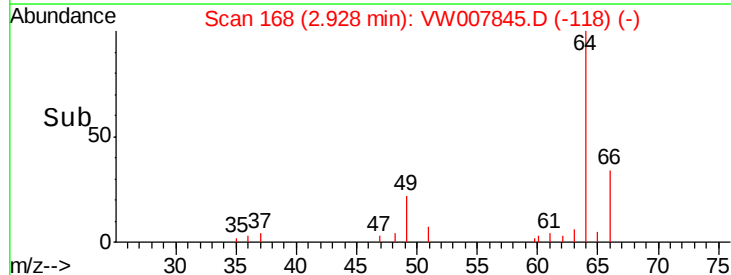
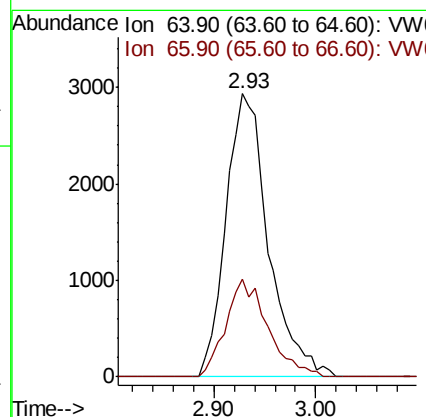
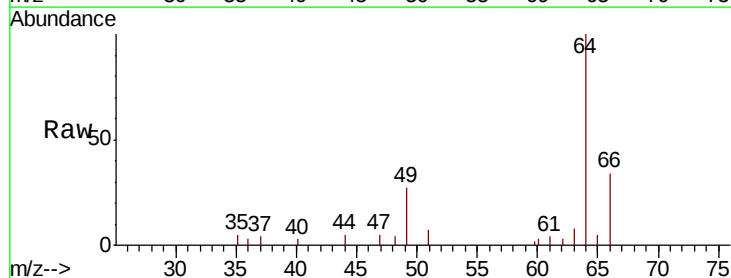
Acq: 22 Dec 2018 16:18

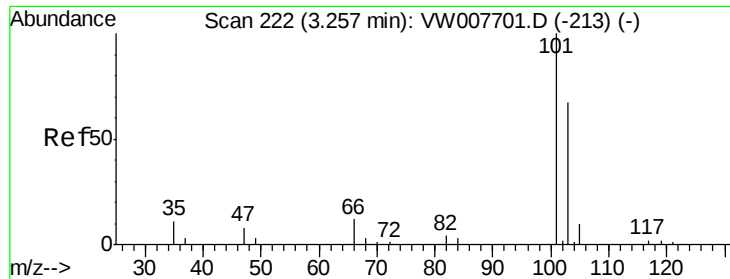
Tgt Ion: 64 Resp: 8472

Ion Ratio Lower Upper

64 100

66 34.5 26.2 39.4





#7

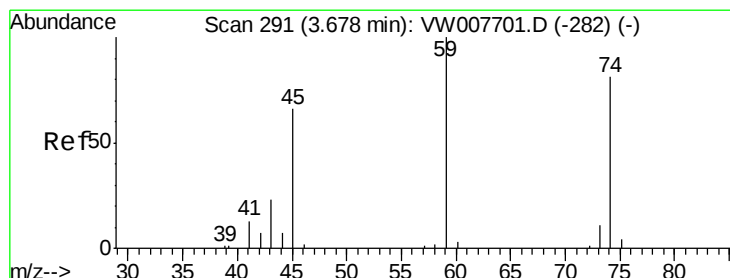
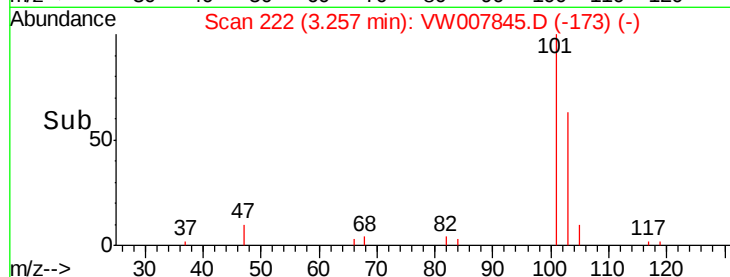
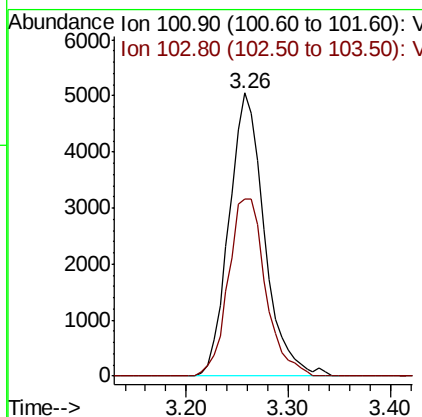
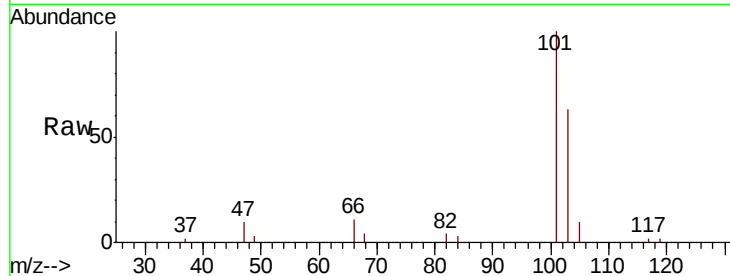
Trichlorofluoromethane
 Concen: 17.144 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
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 VW1224SBS01

Tgt Ion: 101 Resp: 12149
 Ion Ratio Lower Upper
 101 100
 103 62.7 53.4 80.2

Manual Integrations
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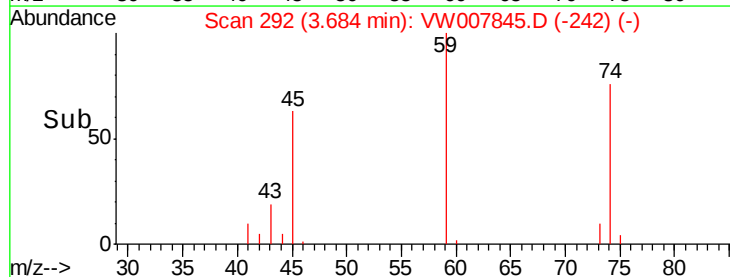
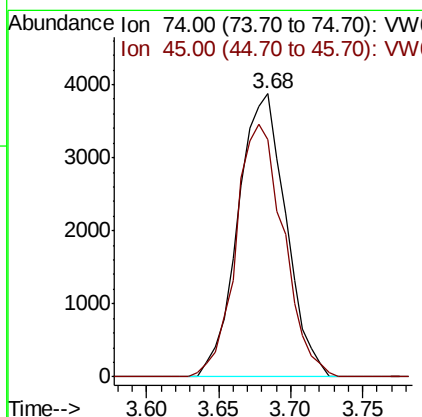
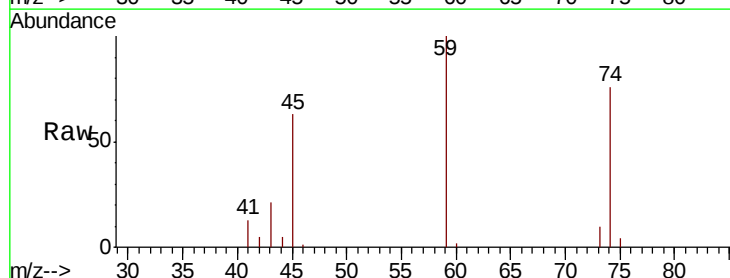
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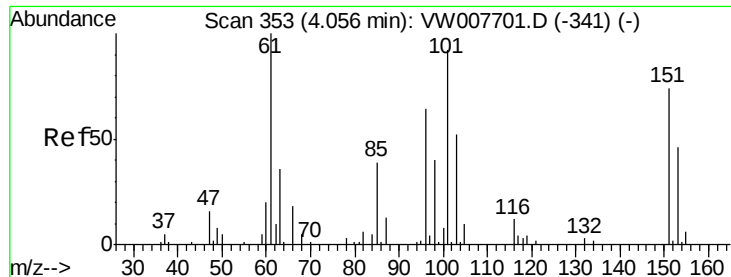


#8

Diethyl Ether
 Concen: 20.567 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion: 74 Resp: 8927
 Ion Ratio Lower Upper
 74 100
 45 88.9 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.809 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW007845.D

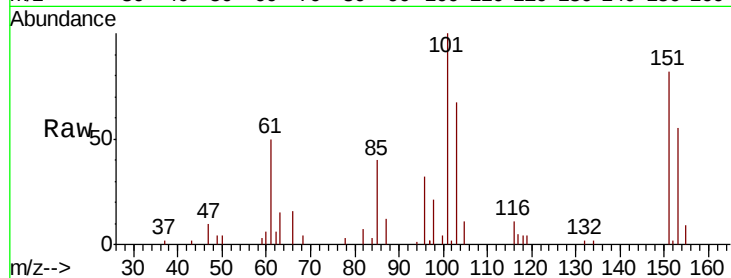
Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01



Tgt Ion:101 Resp: 18586

Ion Ratio Lower Upper

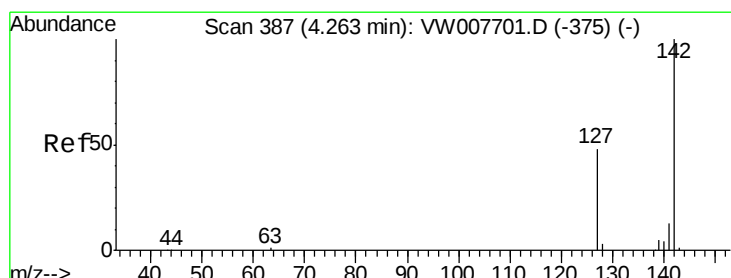
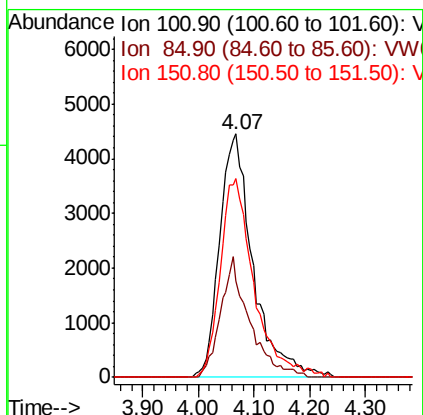
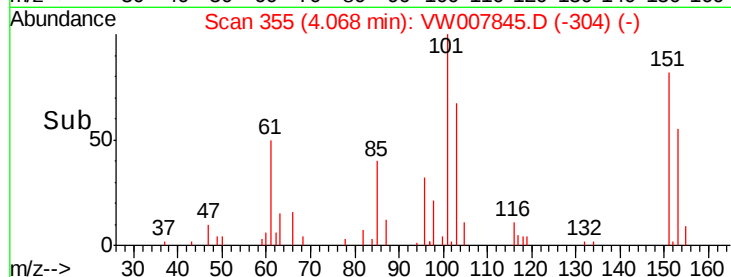
101 100

85 42.8 34.3 51.5

151 81.0 64.6 96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 18.152 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

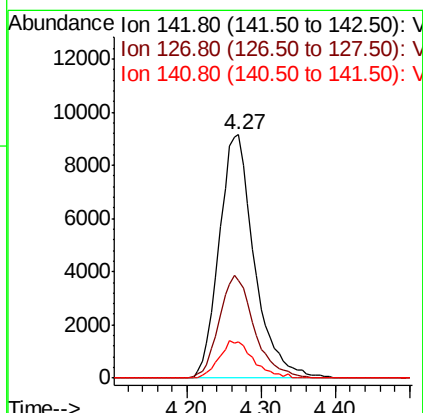
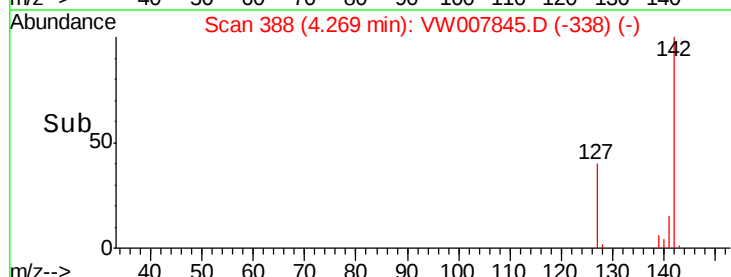
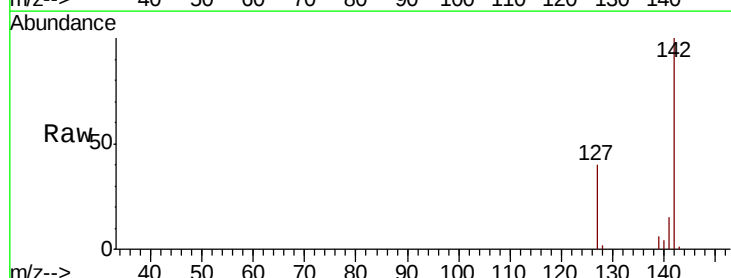
Tgt Ion:142 Resp: 30127

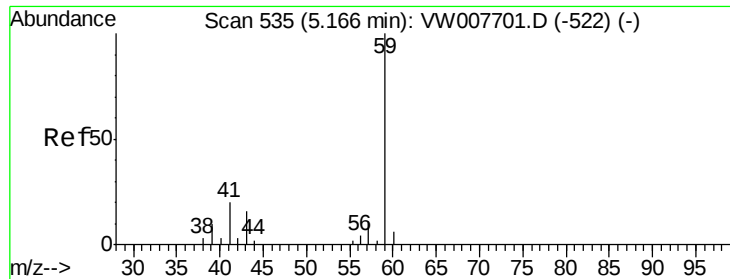
Ion Ratio Lower Upper

142 100

127 42.1 37.7 56.5

141 14.8 11.5 17.3





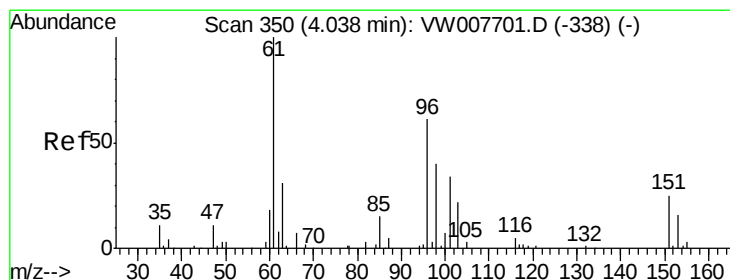
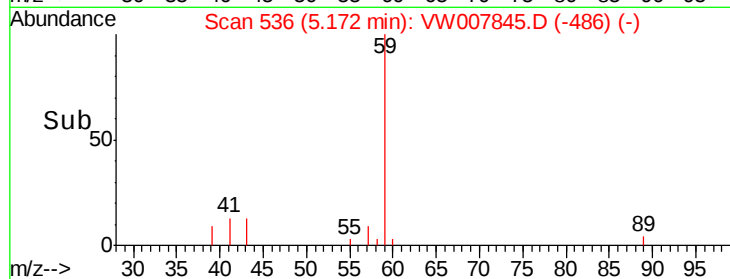
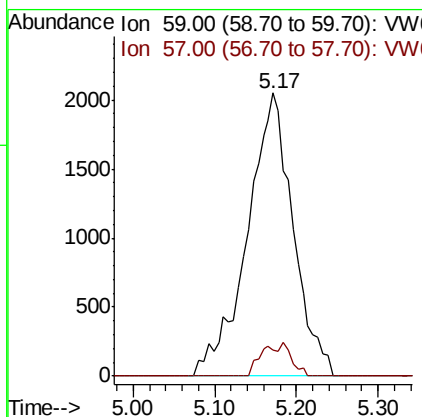
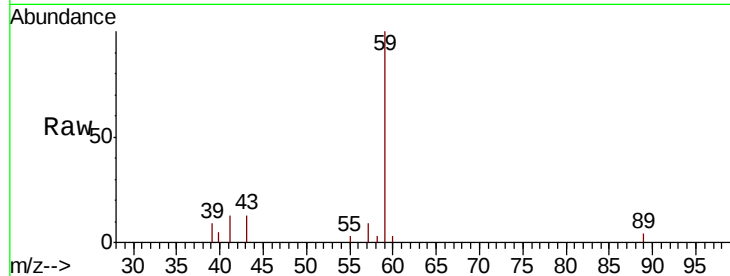
#11
Tert butyl alcohol
Concen: 110.258 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 59 Resp: 7985
Ion Ratio Lower Upper
59 100
57 4.7 7.8 11.8#

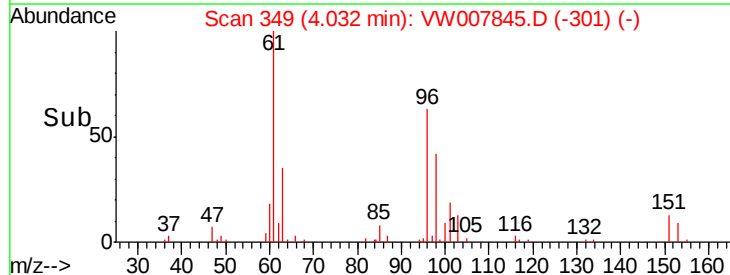
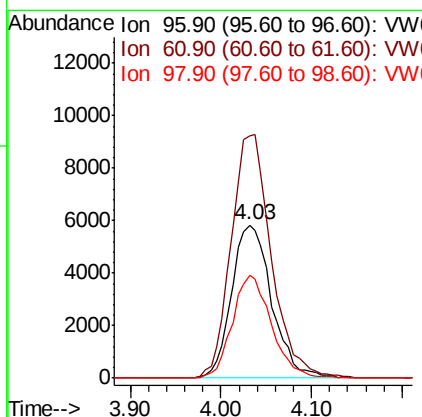
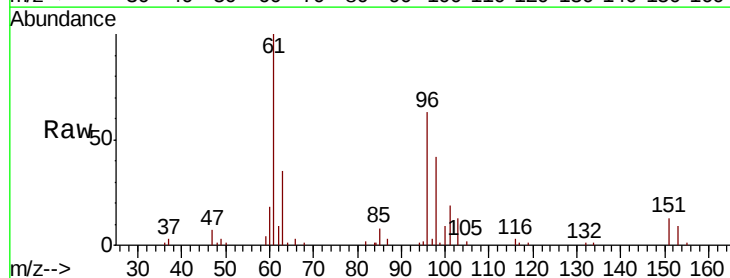
Manual Integrations
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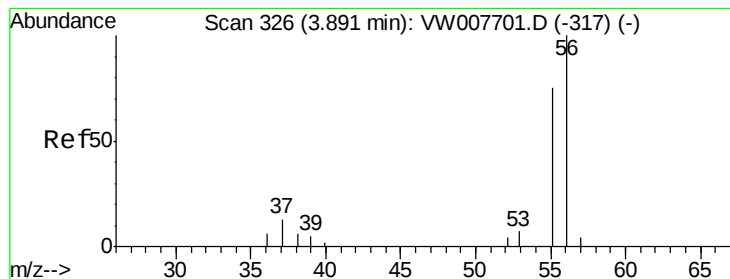
MMDadoda
12/24/2018 3:18:31 PM



#12
1,1-Dichloroethene
Concen: 18.518 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion: 96 Resp: 17896
Ion Ratio Lower Upper
96 100
61 158.2 130.6 195.8
98 67.1 52.3 78.5





#13

Acrolein

Concen: 97.556 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 56 Resp: 5649

Ion Ratio Lower Upper

56 100

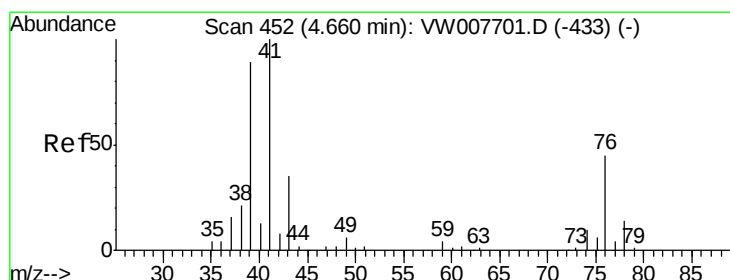
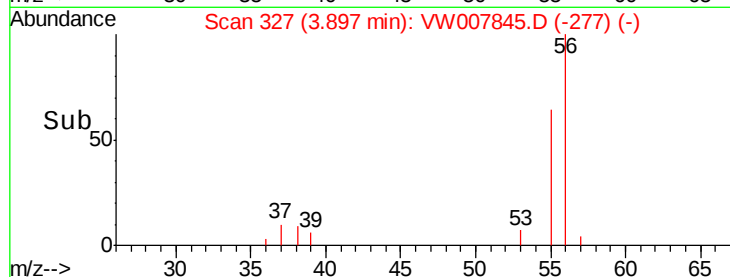
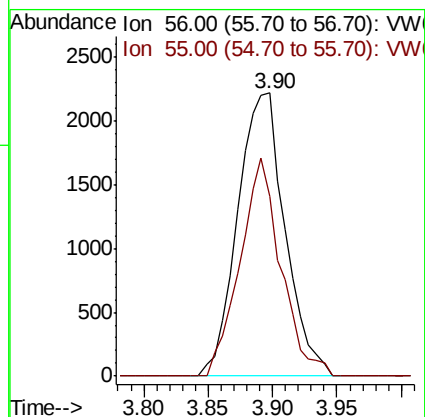
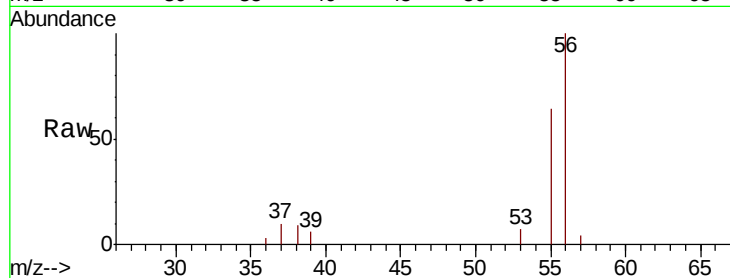
55 66.5 57.7 86.5

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#14

Allyl chloride

Concen: 20.609 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

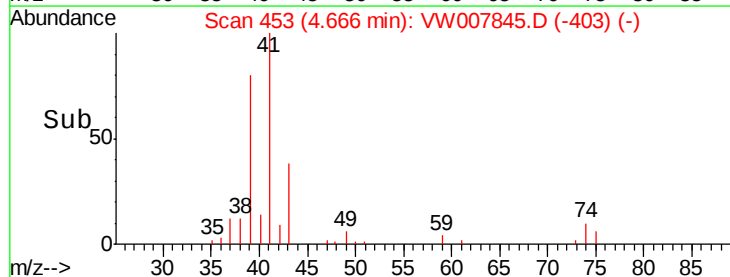
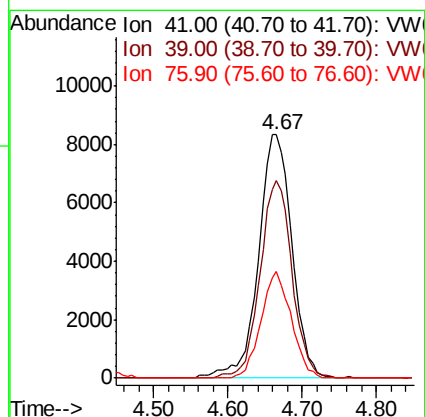
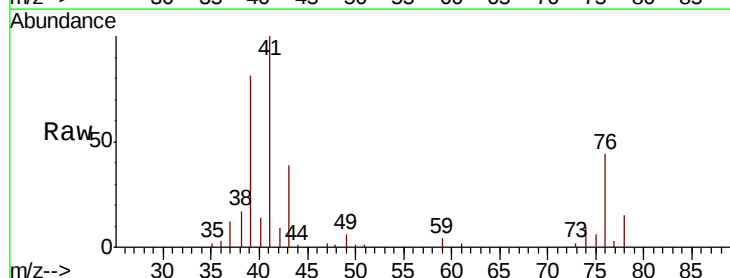
Tgt Ion: 41 Resp: 26118

Ion Ratio Lower Upper

41 100

39 77.8 69.5 104.3

76 39.5 34.8 52.2





#15

Acrylonitrile

Concen: 98.376 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

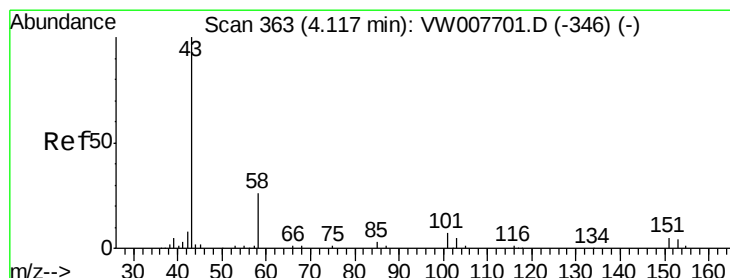
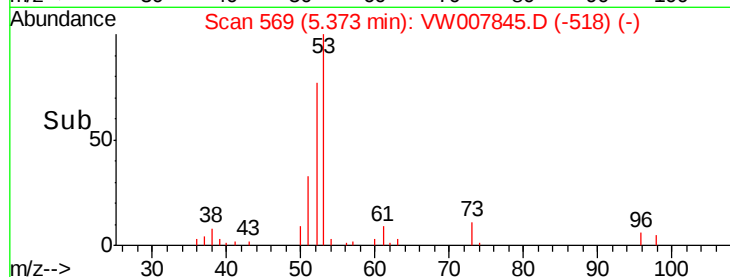
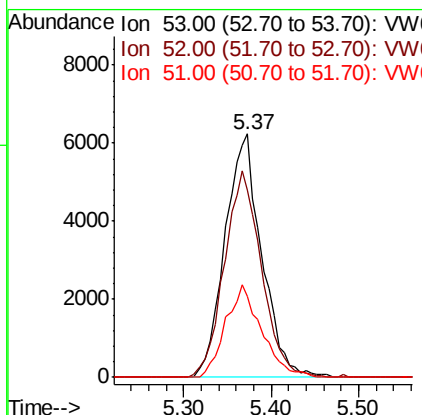
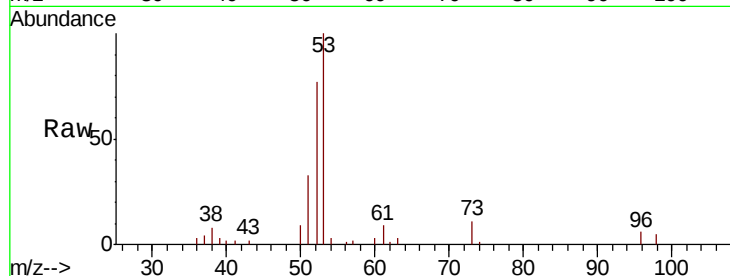
ClientSampleId :

VW1224SBS01

Tgt Ion:	53	Resp:	18214
Ion	Ratio	Lower	Upper
53	100		
52	85.6	67.0	100.4
51	37.3	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 93.221 ug/l

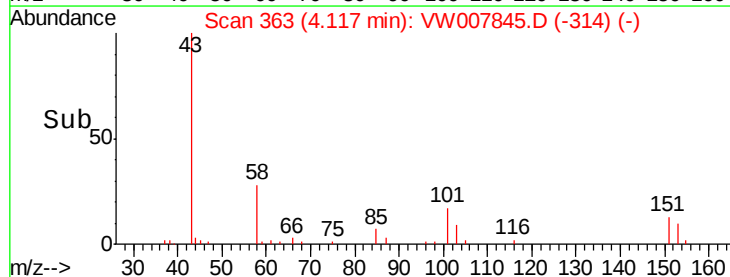
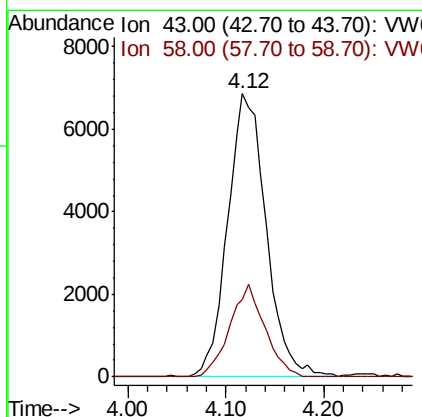
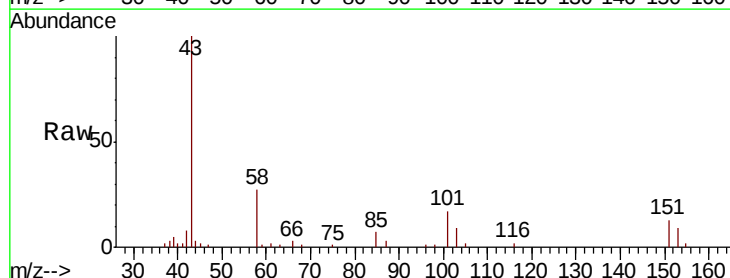
RT: 4.12 min Scan# 363

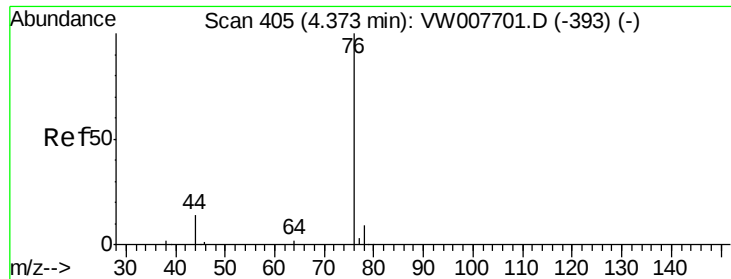
Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Tgt Ion:	43	Resp:	18741
Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8





#17

Carbon Disulfide

Concen: 17.575 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 76 Resp: 52560

Ion Ratio Lower Upper

76 100

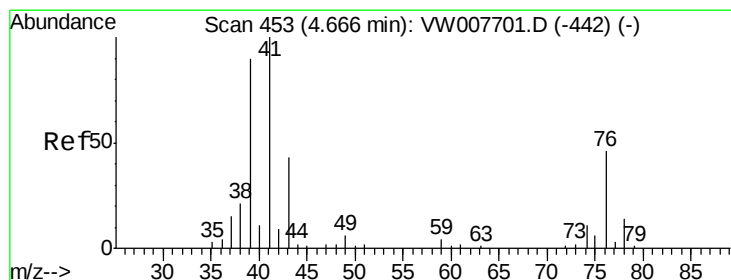
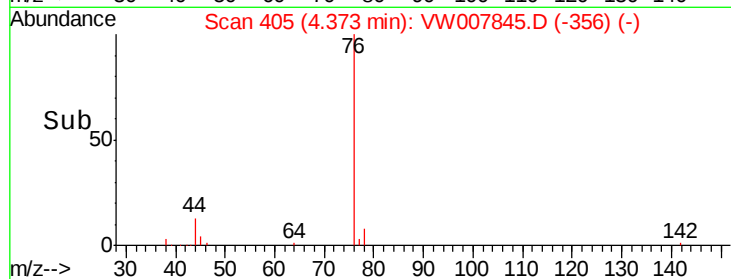
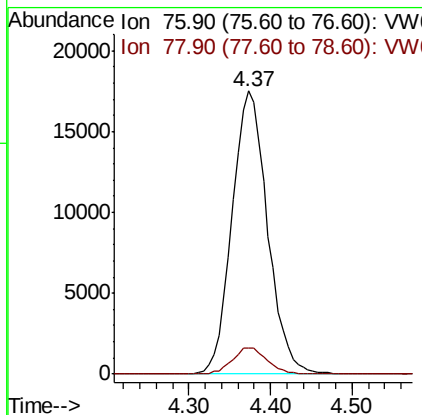
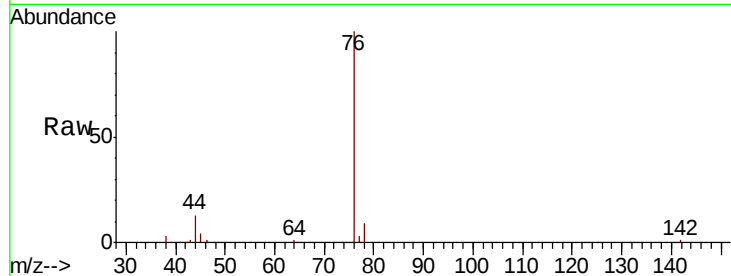
78 9.3 7.3 10.9

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#18

Methyl Acetate

Concen: 19.556 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007845.D

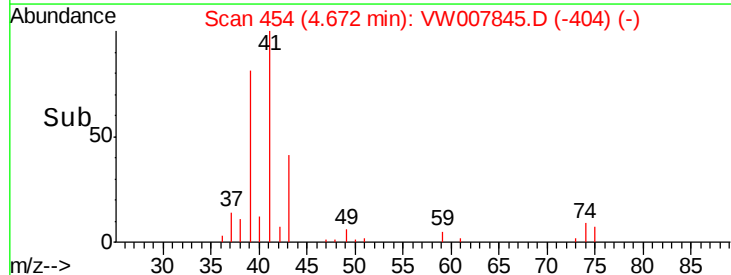
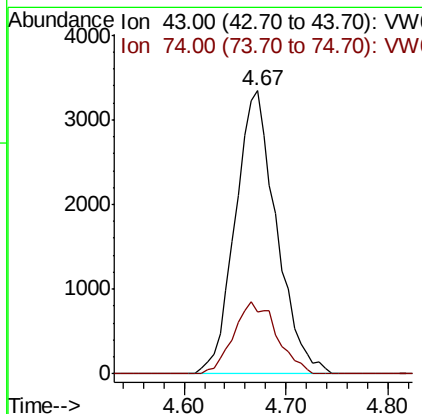
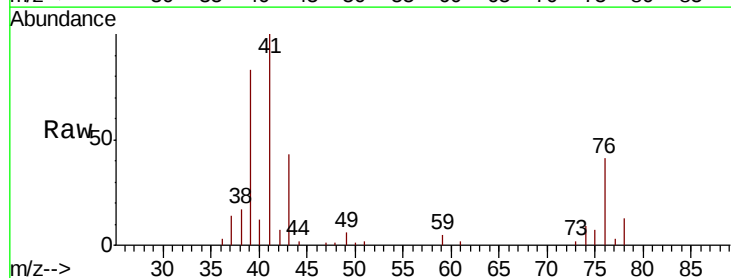
Acq: 22 Dec 2018 16:18

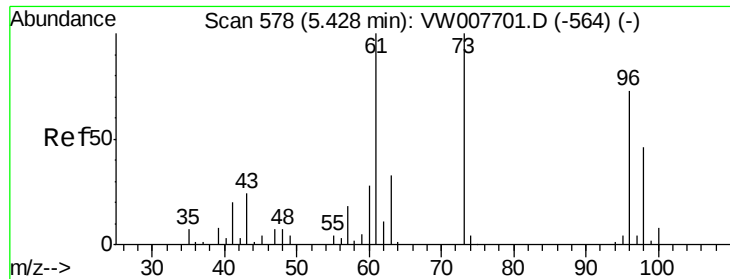
Tgt Ion: 43 Resp: 9350

Ion Ratio Lower Upper

43 100

74 26.7 22.7 34.1





#19

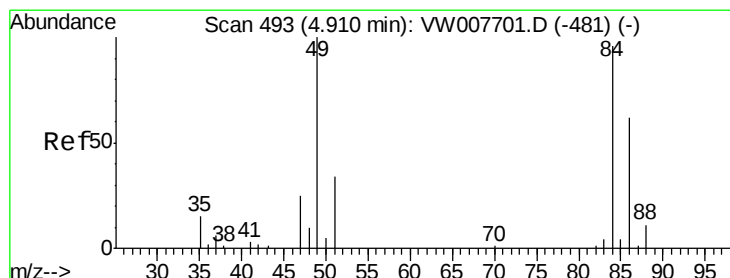
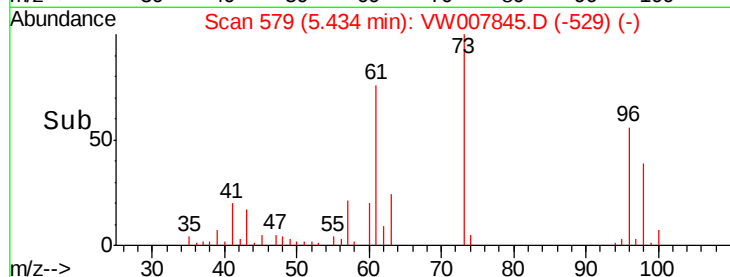
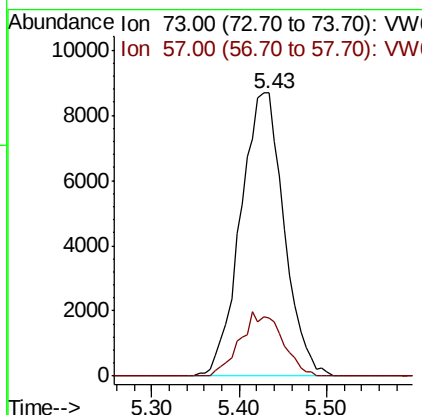
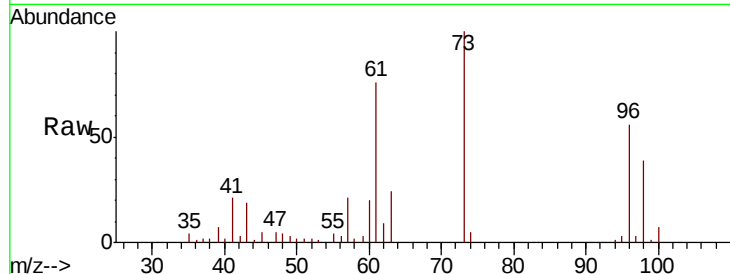
Methyl tert-butyl Ether
 Concen: 21.661 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion: 73 Resp: 30052
 Ion Ratio Lower Upper
 73 100
 57 20.6 14.7 22.1

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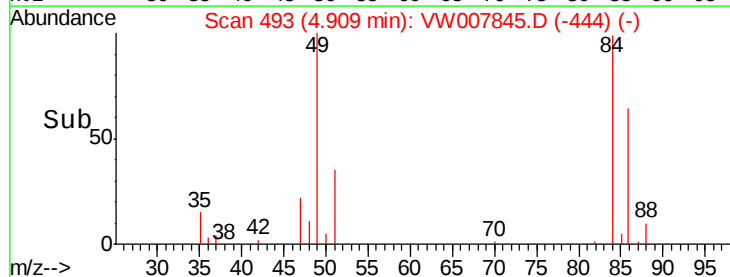
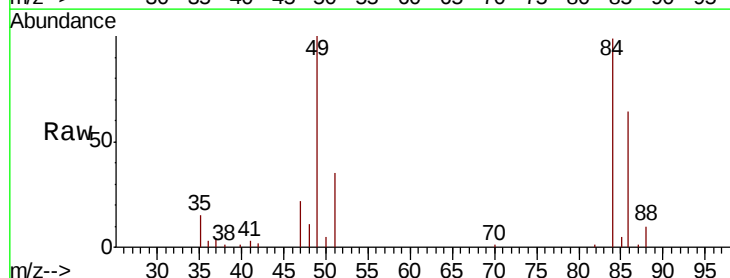
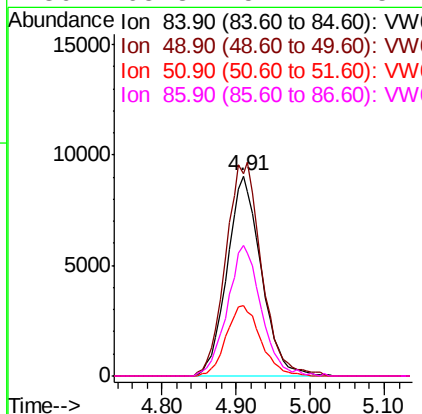
MMDadoda
 12/24/2018 3:18:31 PM

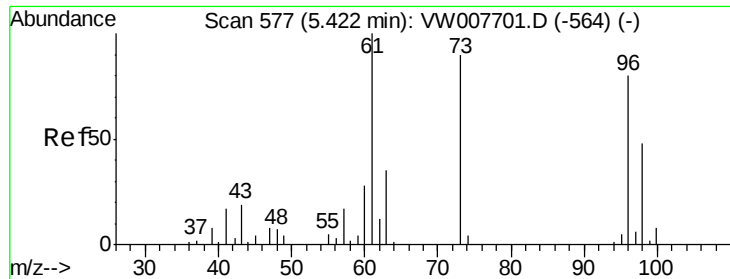


#20

Methylene Chloride
 Concen: 25.878 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion: 84 Resp: 29076
 Ion Ratio Lower Upper
 84 100
 49 101.5 83.7 125.5
 51 35.4 28.2 42.2
 86 65.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 17.703 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

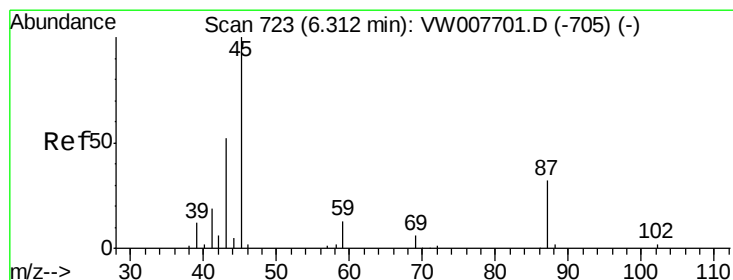
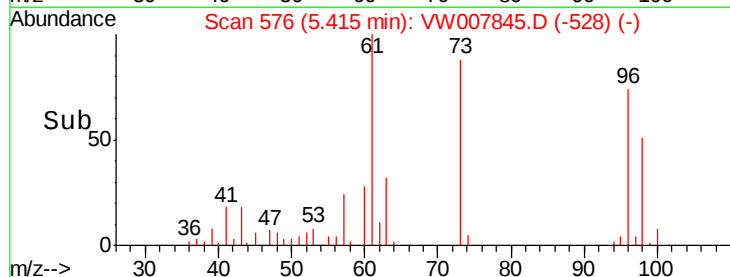
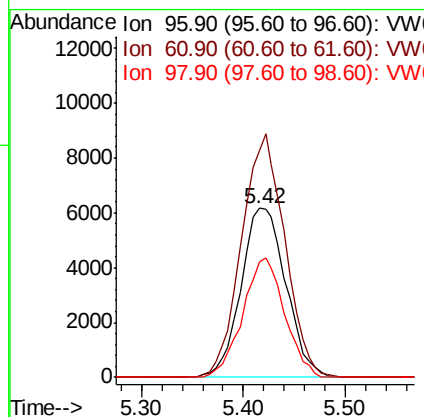
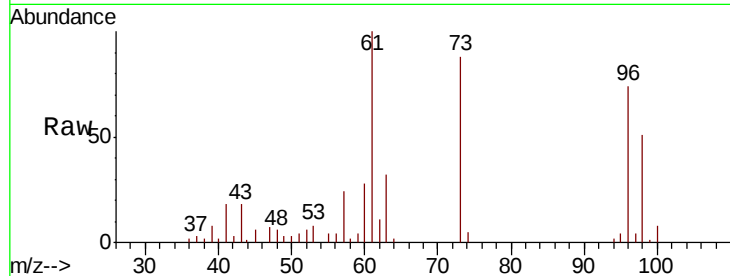
ClientSampleId :

VW1224SBS01

Tgt Ion:	96	Resp:	18816
Ion	Ratio	Lower	Upper
96	100		
61	134.6	100.1	150.1
98	68.2	48.5	72.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.938 ug/l

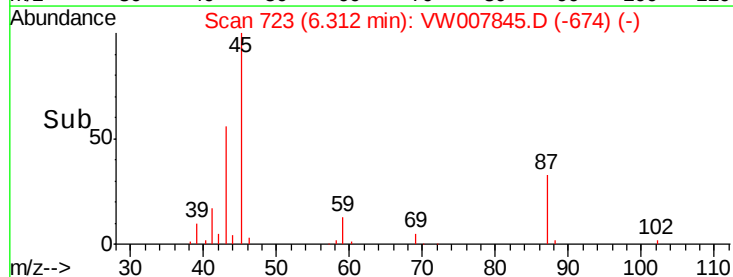
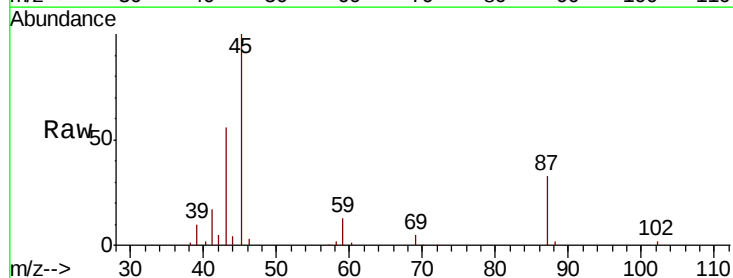
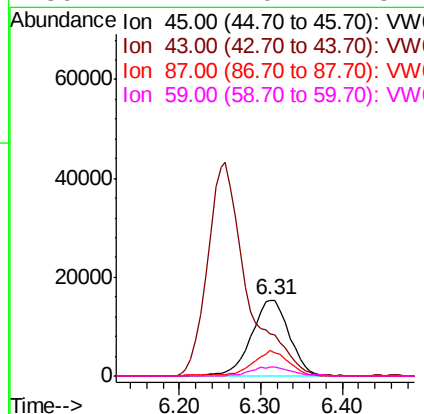
RT: 6.31 min Scan# 723

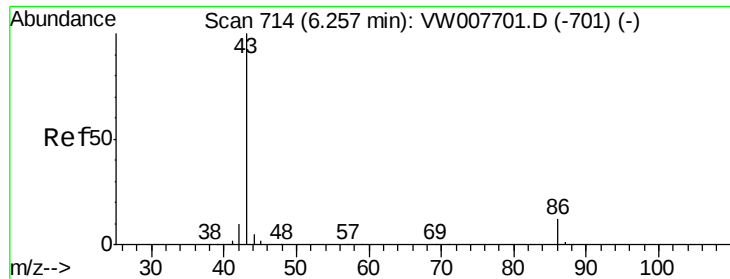
Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Tgt Ion:	45	Resp:	49684
Ion	Ratio	Lower	Upper
45	100		
43	55.1	43.7	65.5
87	33.2	26.6	40.0
59	12.2	10.2	15.2





#23

Vinyl Acetate

Concen: 102.659 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 43 Resp: 144734

Ion Ratio Lower Upper

43 100

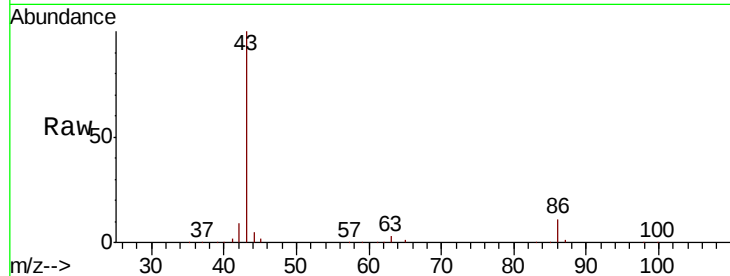
86 11.4 9.6 14.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

50000

40000

30000

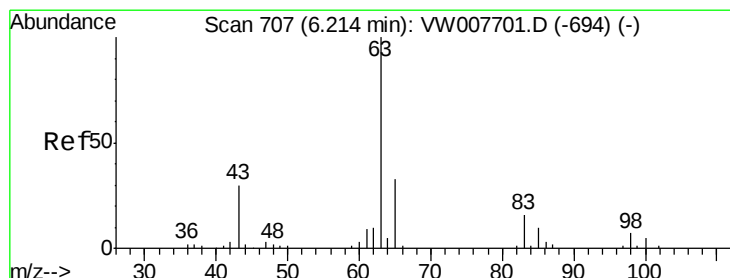
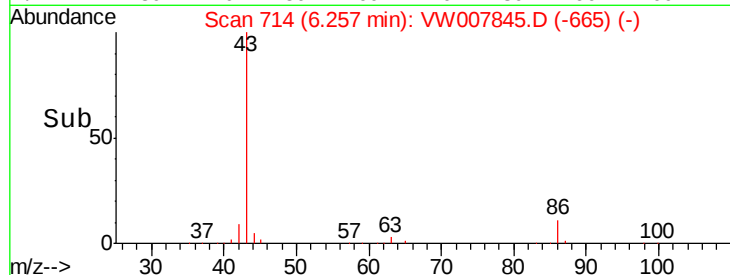
20000

10000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 18.669 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

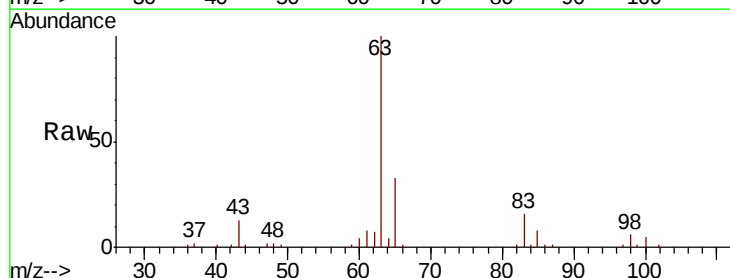
Tgt Ion: 63 Resp: 32591

Ion Ratio Lower Upper

63 100

98 5.7 3.6 10.9

100 4.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

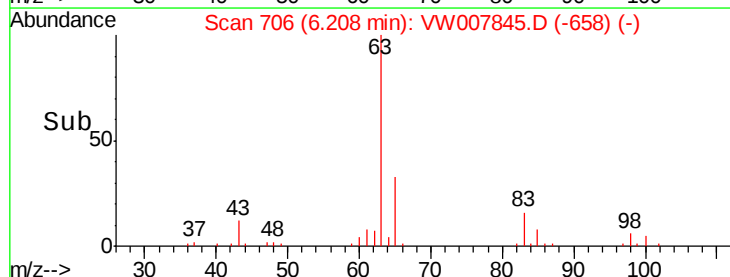
10000

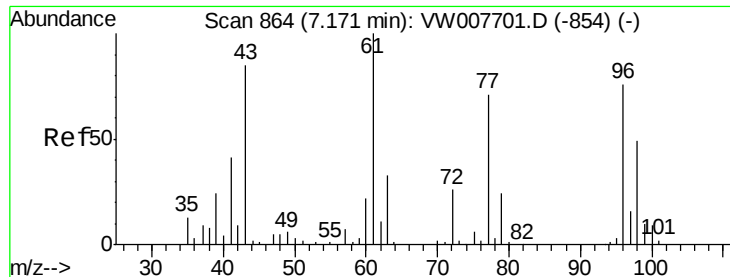
5000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 100.194 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 43 Resp: 23593

Ion Ratio Lower Upper

43 100

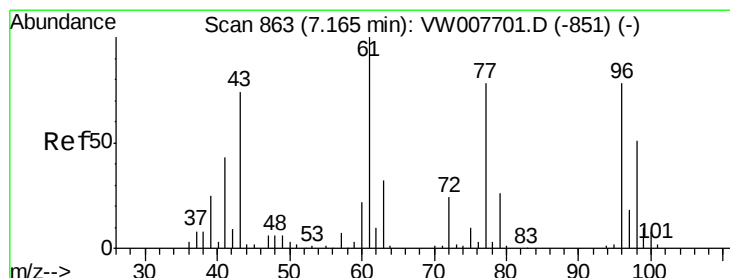
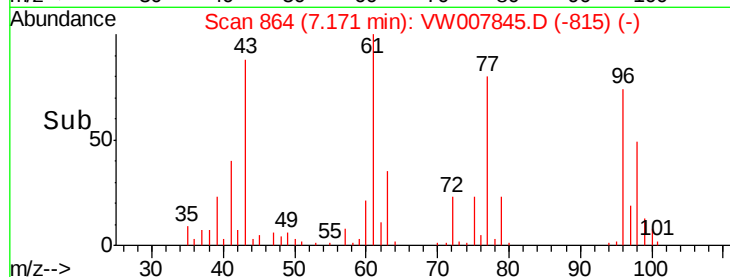
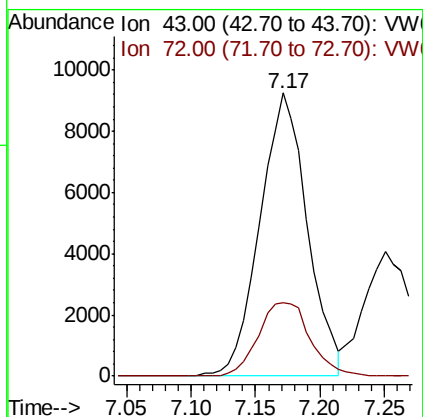
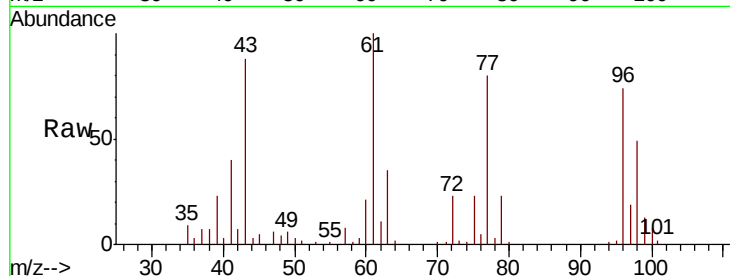
72 25.8 24.5 36.7

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.509 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007845.D

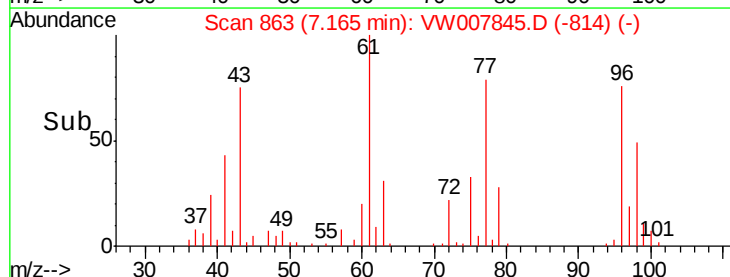
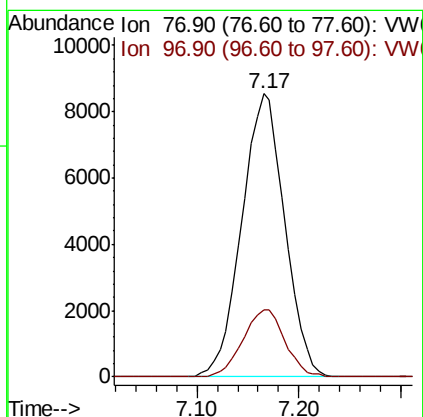
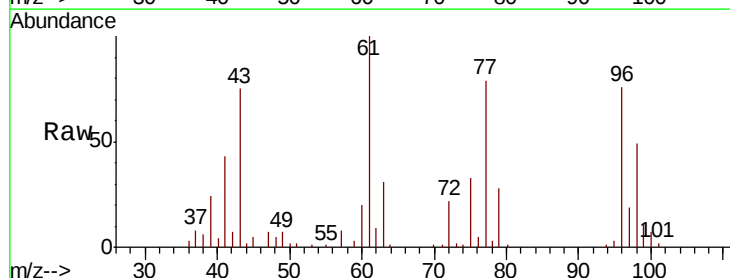
Acq: 22 Dec 2018 16:18

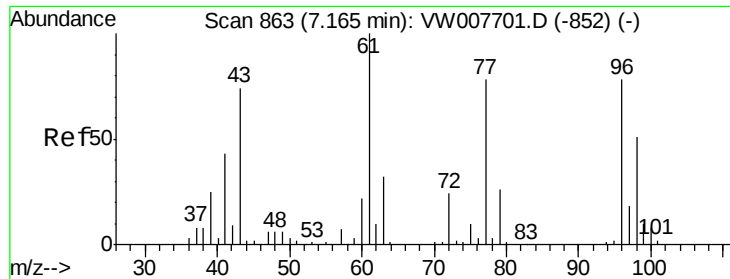
Tgt Ion: 77 Resp: 24922

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.9





#27

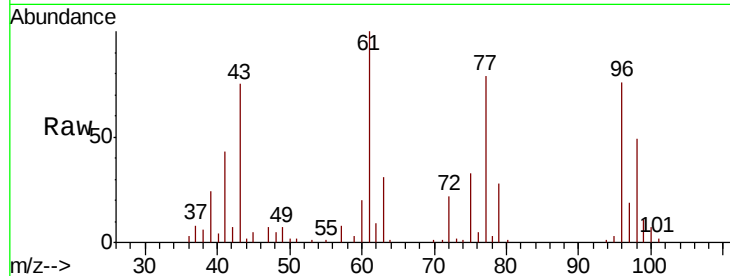
cis-1,2-Dichloroethene
Concen: 19.001 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	21516		
61	137.1	0.0	271.6	
98	64.4	0.0	131.2	

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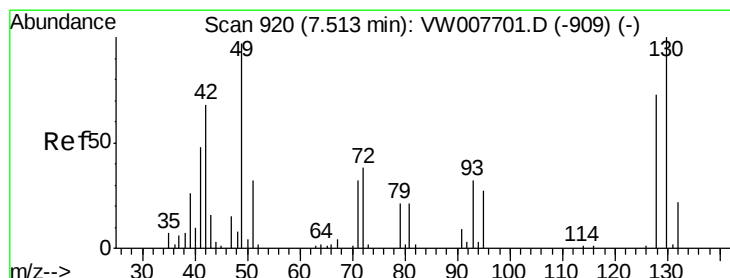
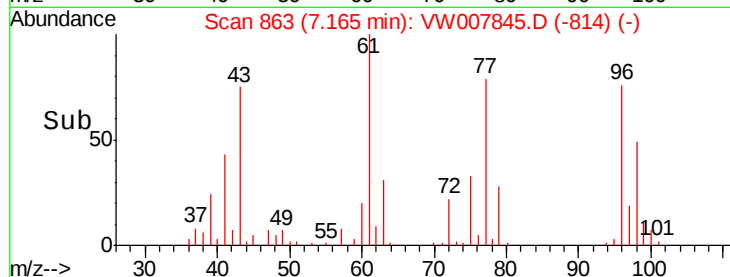
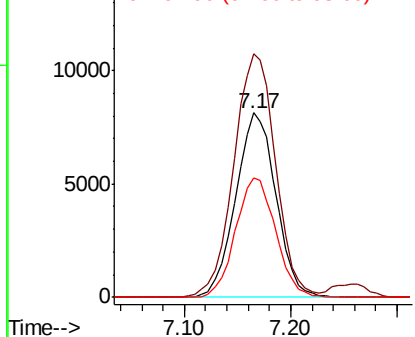


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

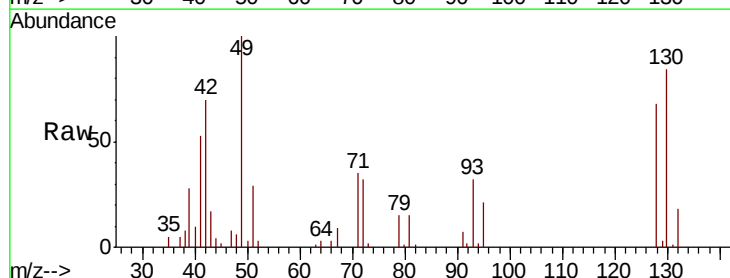
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 19.289 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	11481		
129	3.2	0.0	2.2#	
130	91.4	81.5	122.3	

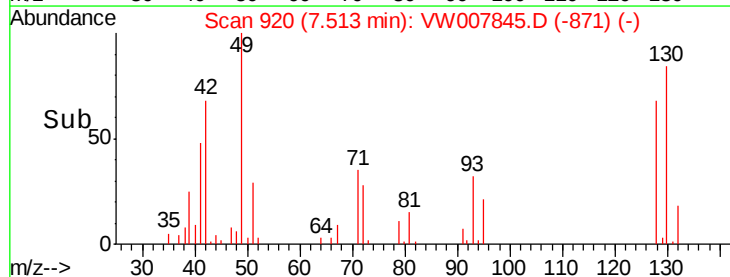
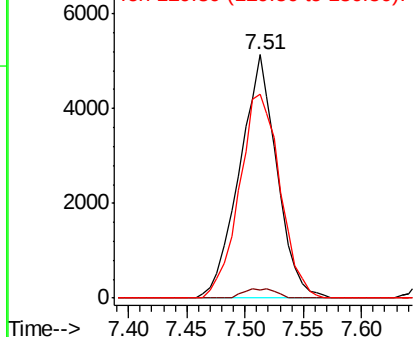


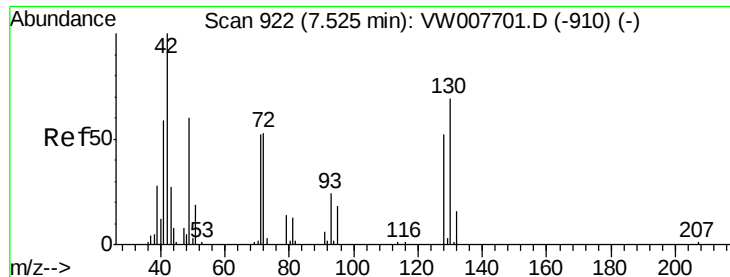
Abundance

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





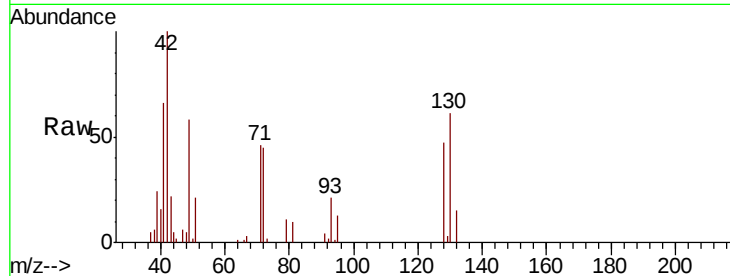
#29
Tetrahydrofuran
Concen: 104.816 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

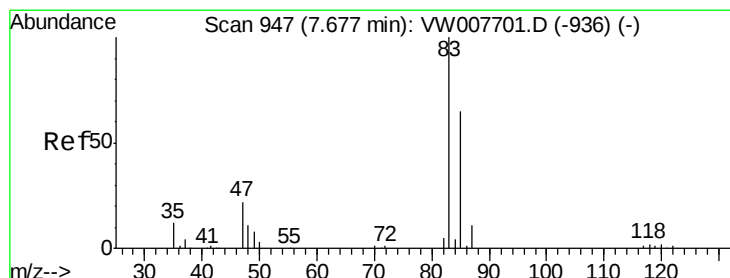
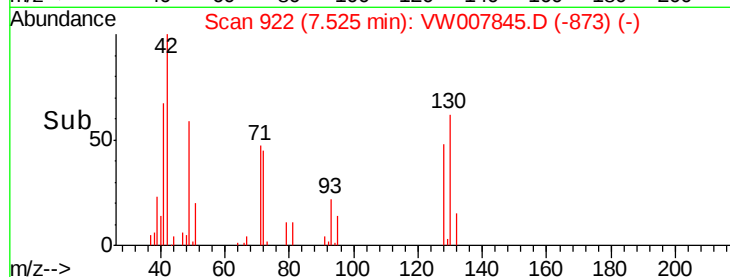
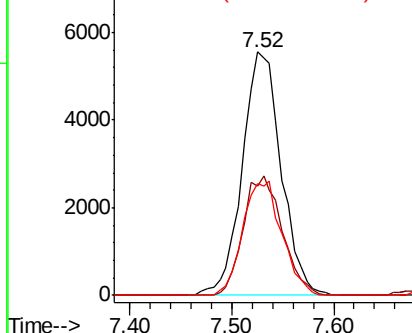
Tgt Ion: 42 Resp: 14722
Ion Ratio Lower Upper
42 100
72 49.2 41.7 62.5
71 47.1 39.0 58.6

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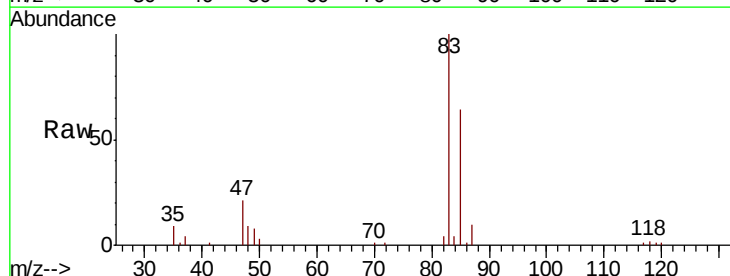


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

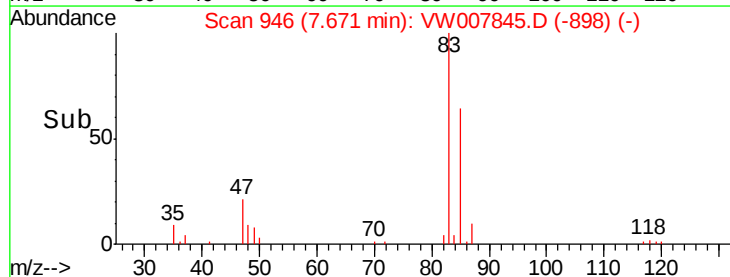
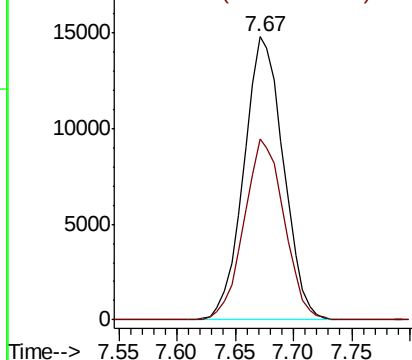


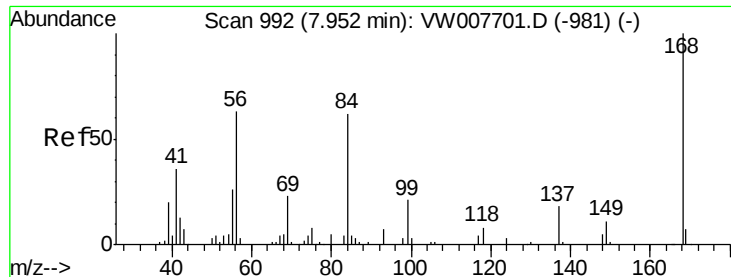
#30
Chloroform
Concen: 17.656 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion: 83 Resp: 34880
Ion Ratio Lower Upper
83 100
85 63.9 52.2 78.2



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





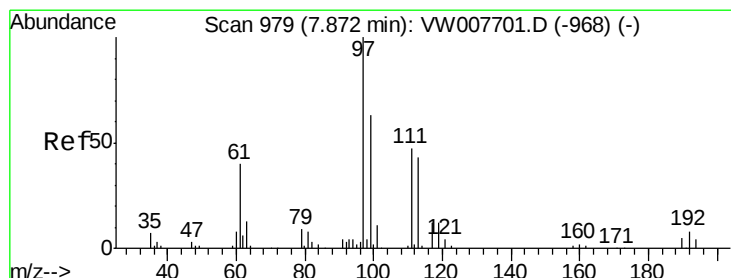
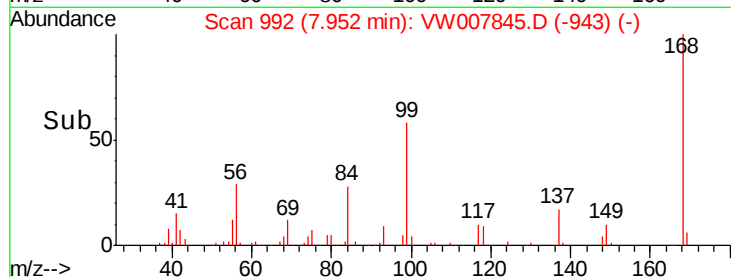
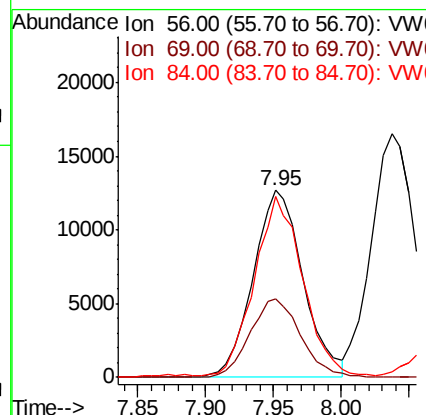
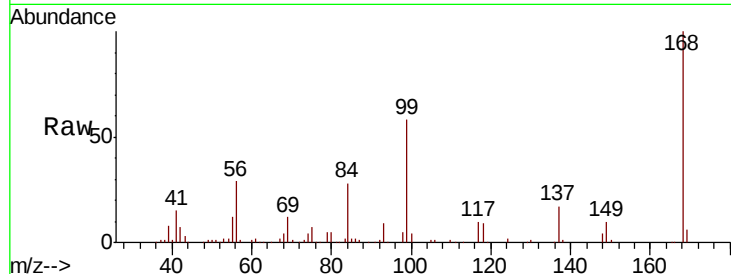
#31
Cyclohexane
Concen: 20.401 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 56 Resp: 32603
Ion Ratio Lower Upper
56 100
69 42.0 29.7 44.5
84 96.1 78.9 118.3

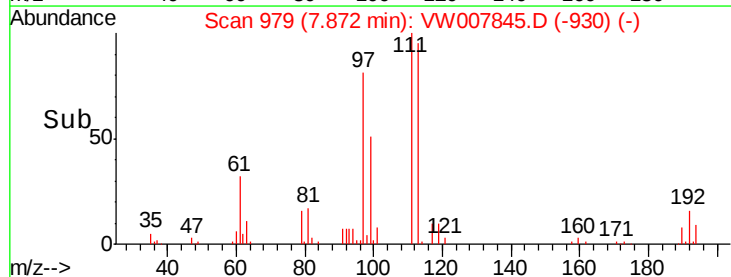
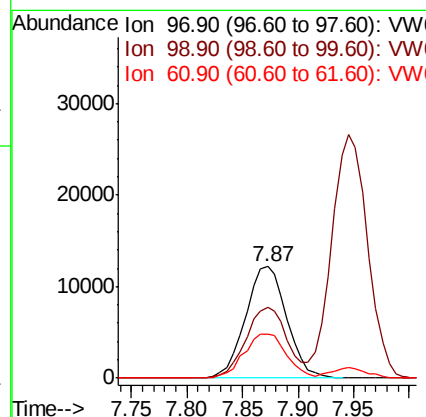
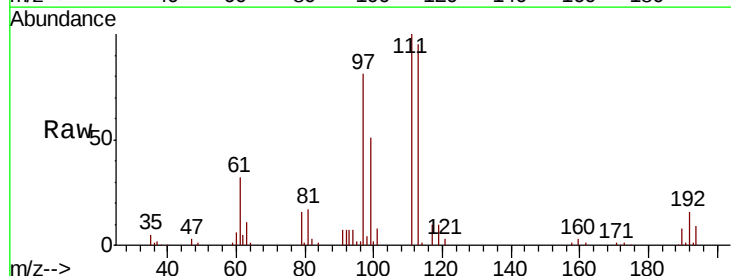
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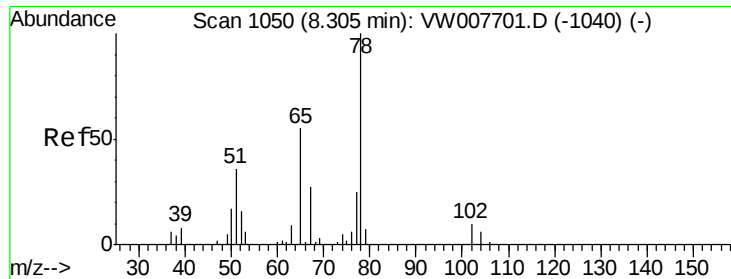
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#32
1,1,1-Trichloroethane
Concen: 17.303 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion: 97 Resp: 31133
Ion Ratio Lower Upper
97 100
99 62.9 50.6 76.0
61 41.1 32.3 48.5





#33

1,2-Dichloroethane-d4

Concen: 43.980 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 65 Resp: 47216

Ion Ratio Lower Upper

65 100

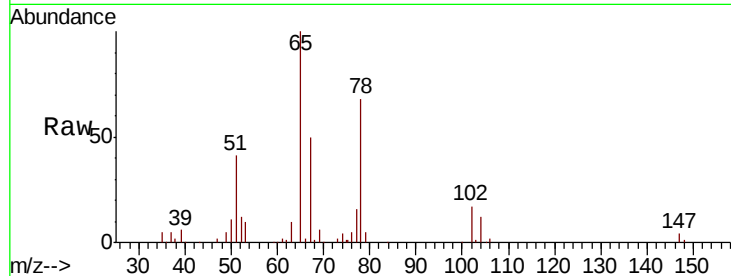
67 50.1 0.0 100.6

Manual Integrations

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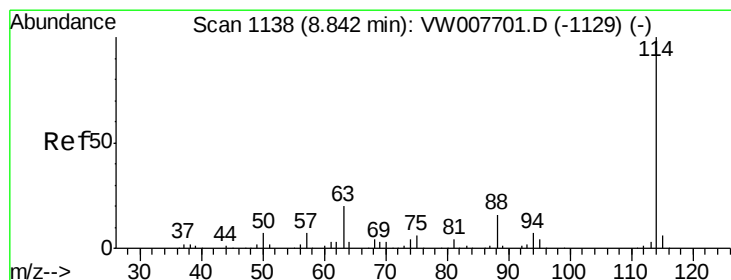
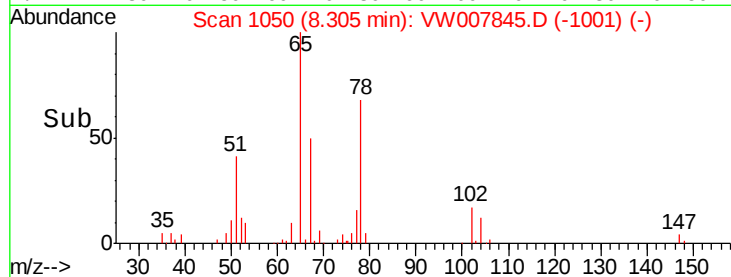
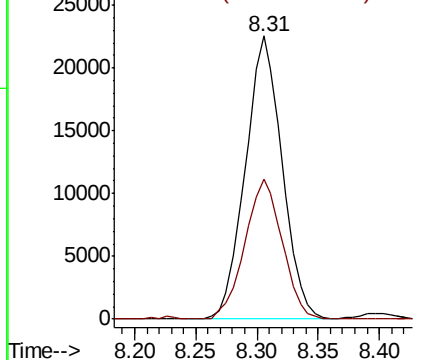
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

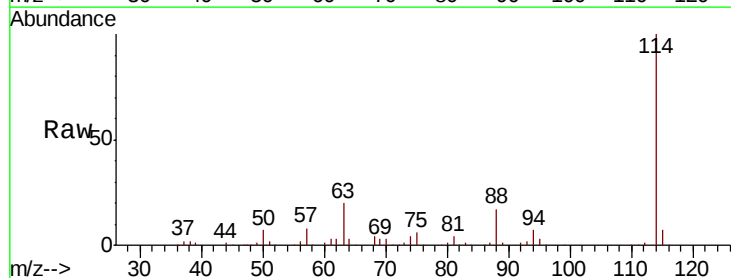
Tgt Ion: 114 Resp: 156848

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

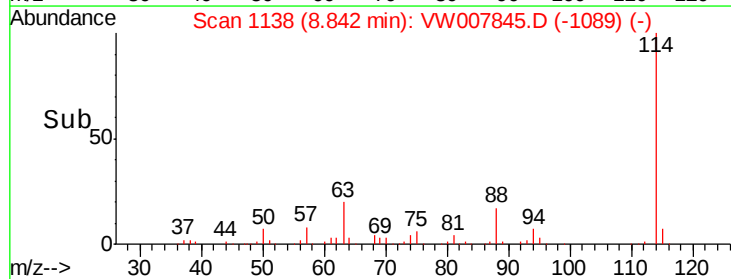
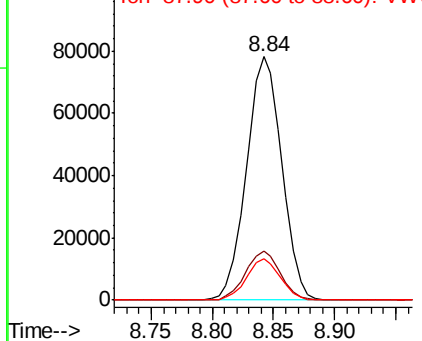
88 16.9 0.0 32.6

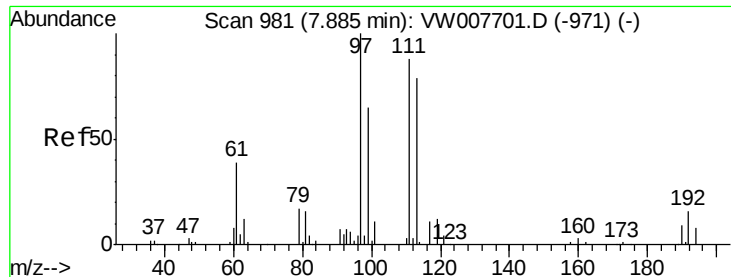


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





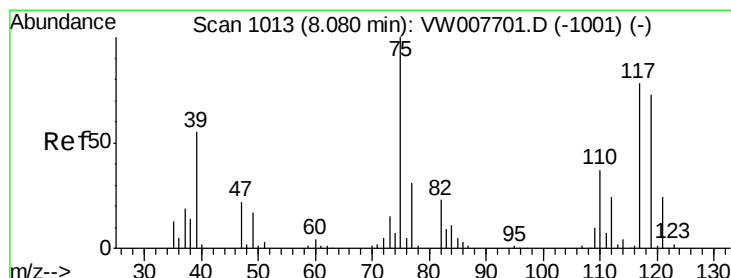
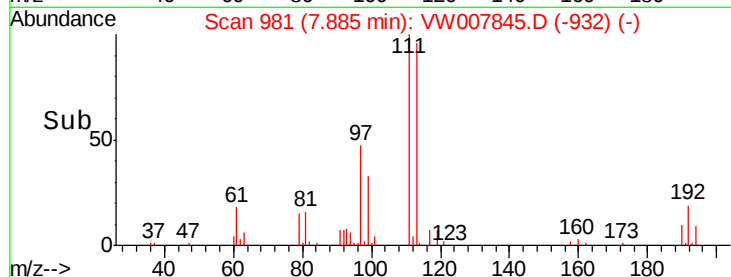
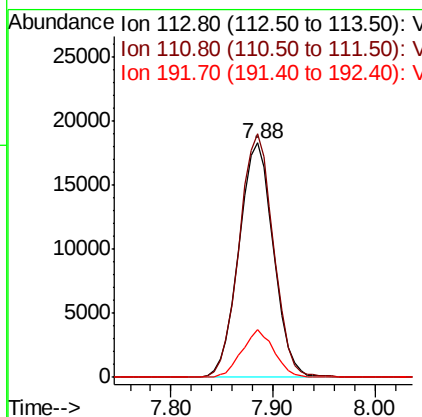
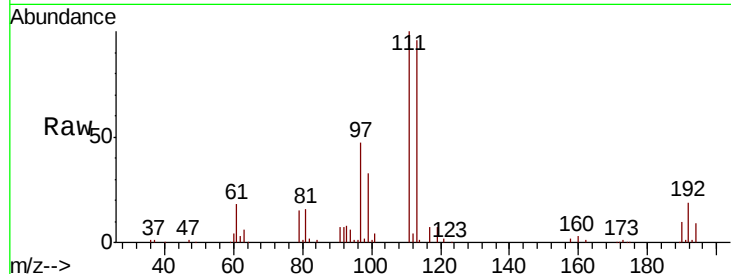
#35
 Dibromofluoromethane
 Concen: 44.956 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1224SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	43016		
111	103.2	82.6	124.0	
192	18.8	15.5	23.3	

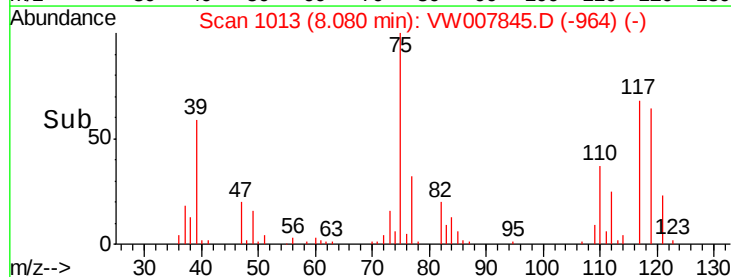
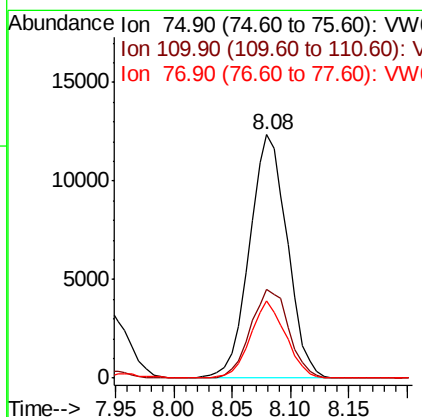
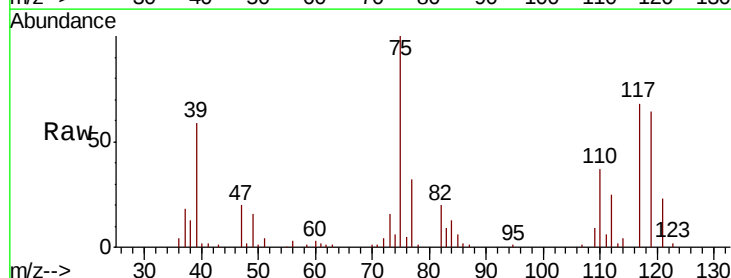
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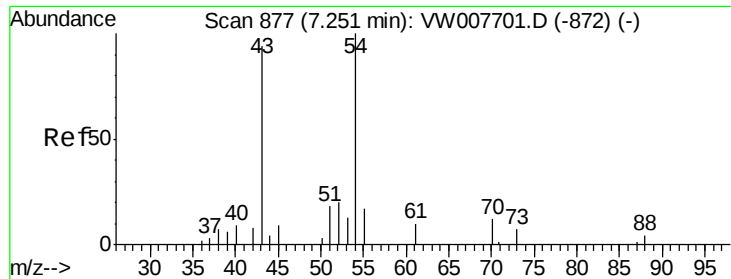
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#36
 1,1-Dichloropropene
 Concen: 18.416 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27879		
110	36.9	18.6	55.8	
77	29.7	25.0	37.4	





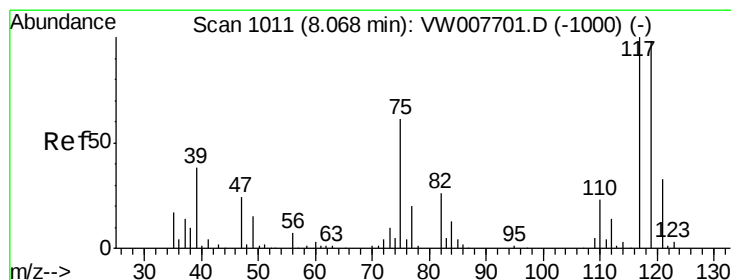
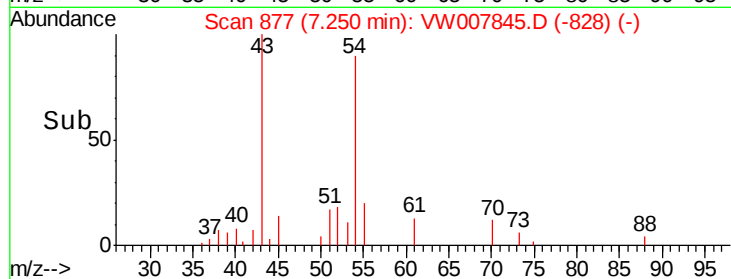
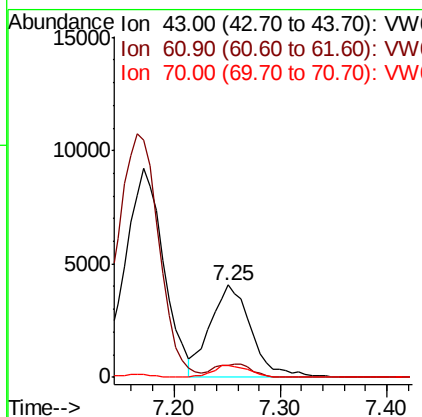
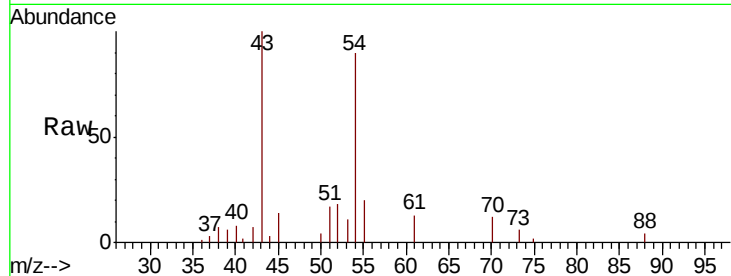
#37
Ethyl Acetate
Concen: 20.819 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.2	16.8
70	11.3	9.3	13.9

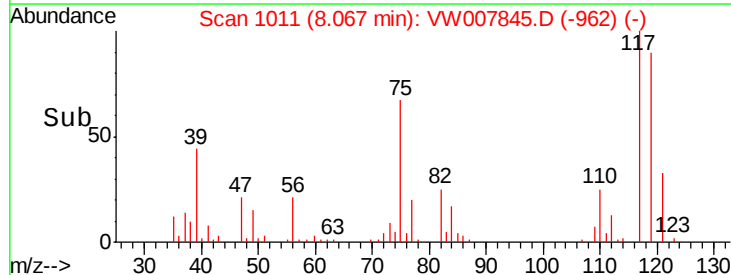
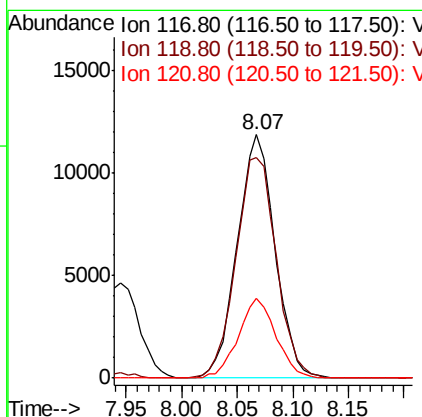
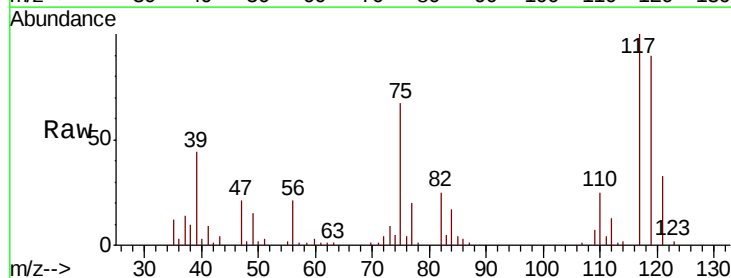
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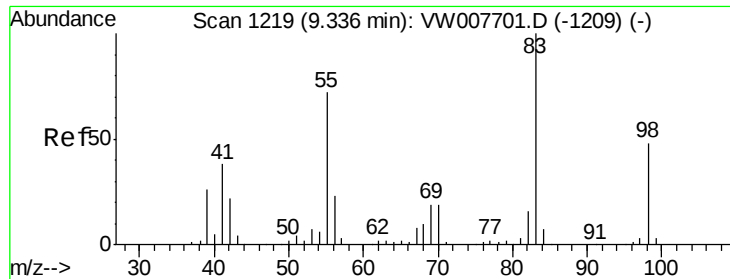
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#38
Carbon Tetrachloride
Concen: 15.693 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	78.2	117.2
121	32.7	26.1	39.1





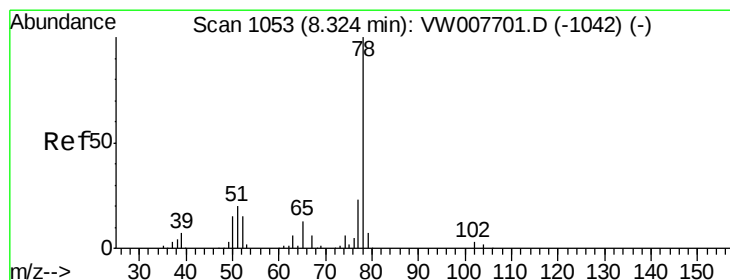
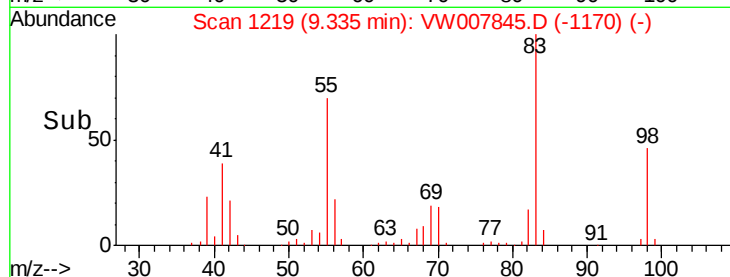
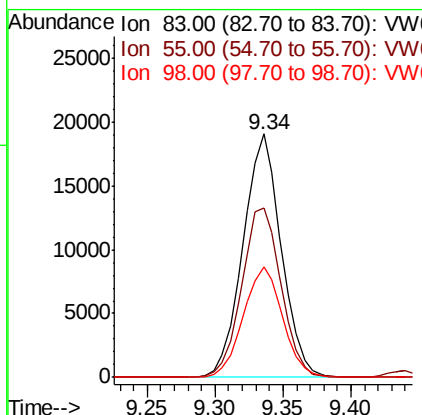
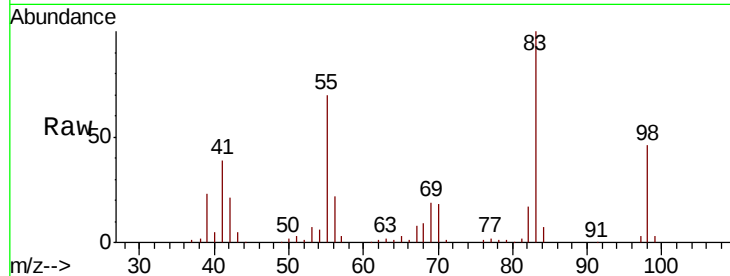
#39
Methylcyclohexane
Concen: 19.888 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.6	57.2	85.8
98	45.5	38.6	58.0

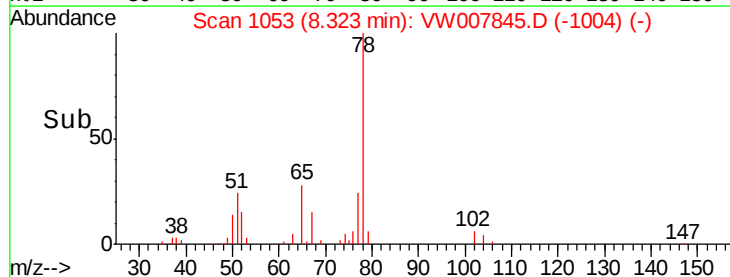
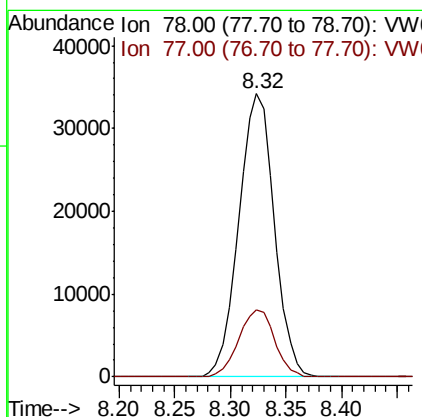
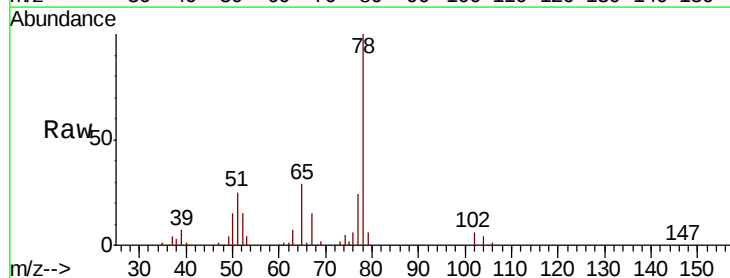
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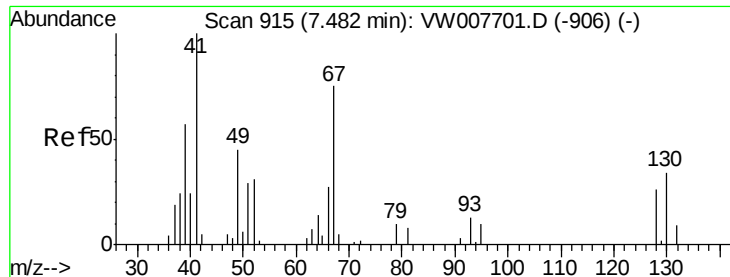
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#40
Benzene
Concen: 18.699 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





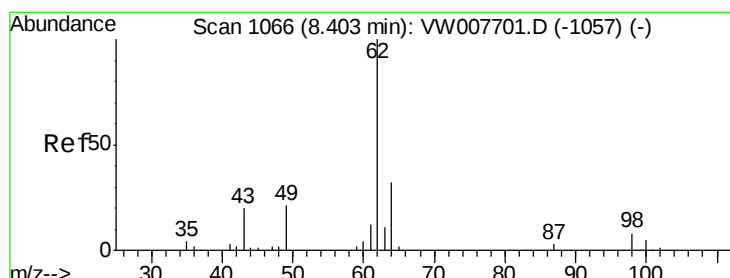
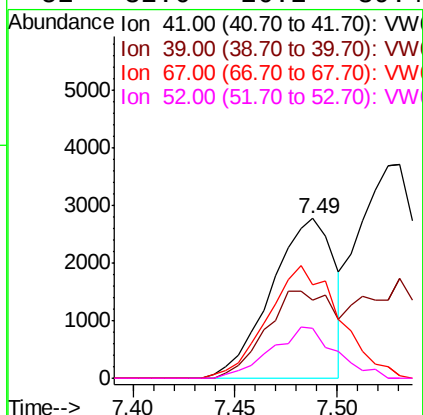
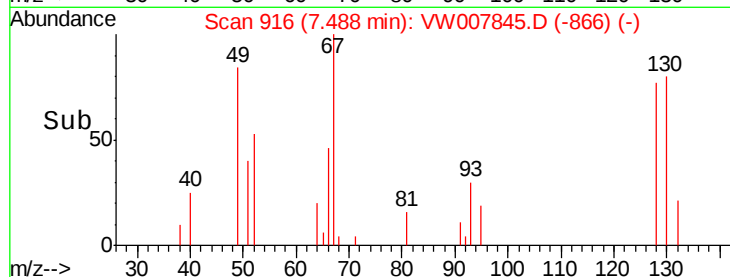
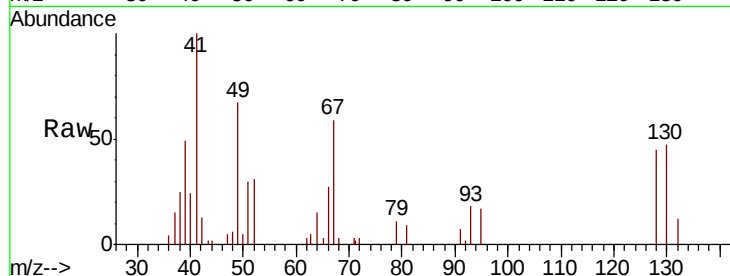
#41
Methacrylonitrile
Concen: 20.174 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion:	41	Resp:	5984
Ion	Ratio	Lower	Upper
41	100		
39	57.9	54.2	81.4
67	80.0	65.7	98.5
52	32.6	26.2	39.4

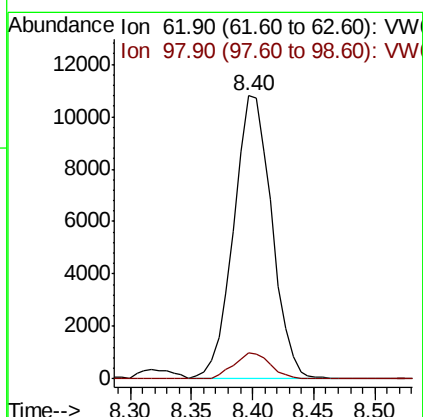
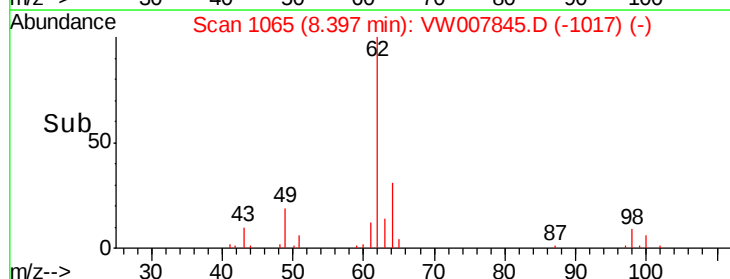
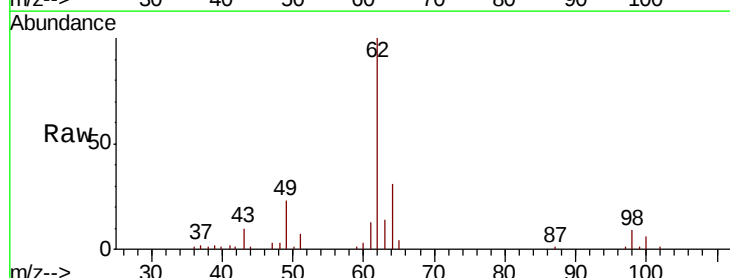
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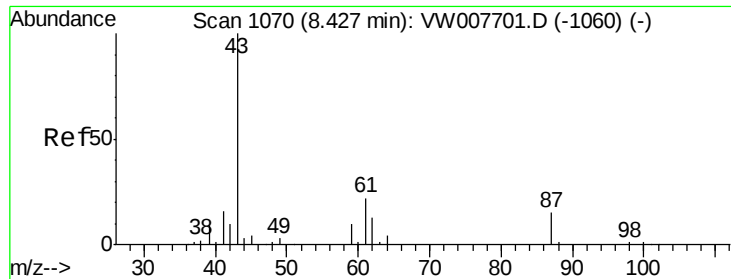
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#42
1,2-Dichloroethane
Concen: 17.296 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion:	62	Resp:	23415
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6





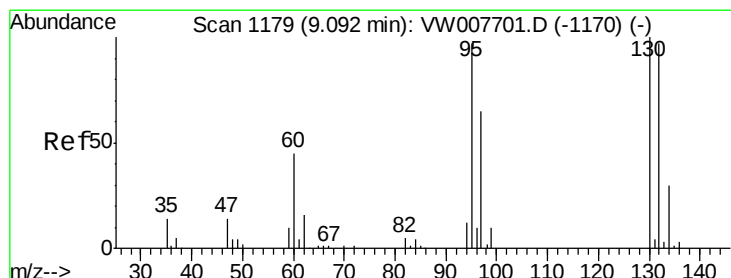
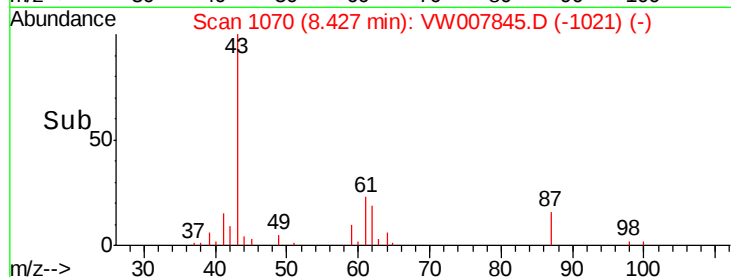
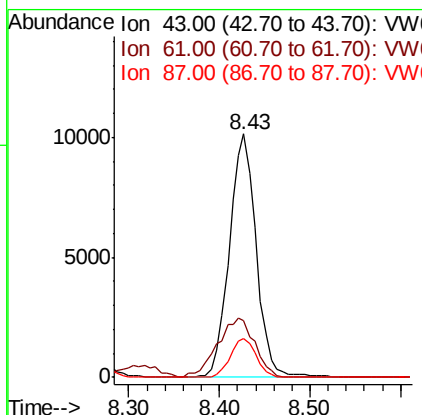
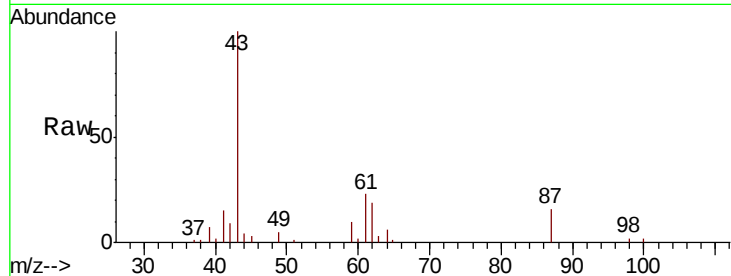
#43
Isopropyl Acetate
Concen: 20.073 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	33.6	26.3	39.5
87	15.3	12.0	18.0

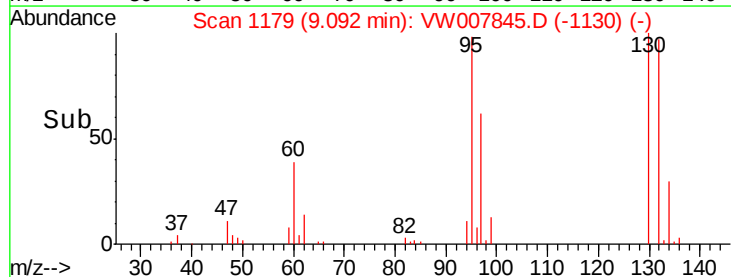
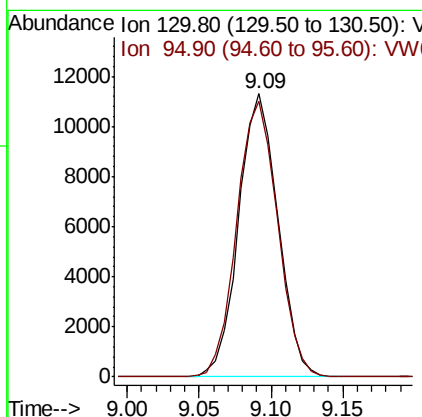
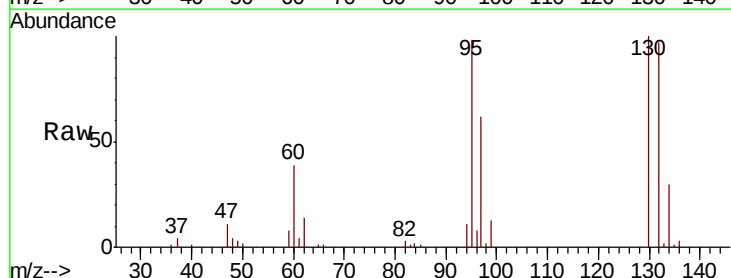
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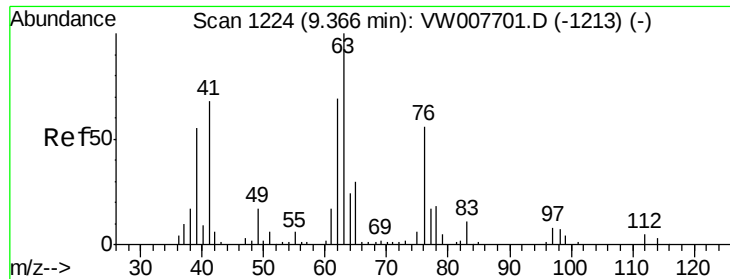
MMDadoda
12/24/2018 3:18:31 PM



#44
Trichloroethene
Concen: 17.476 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	194.8





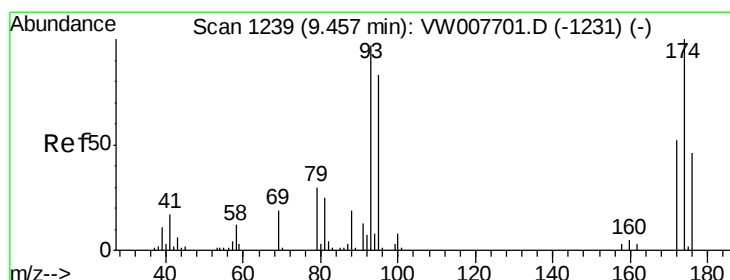
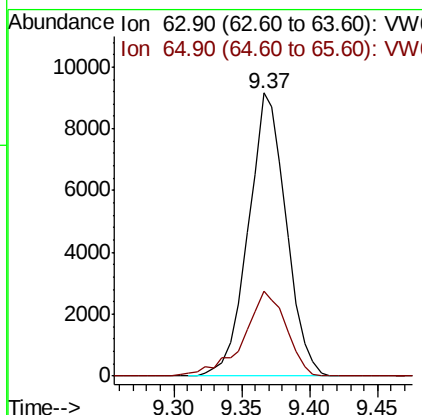
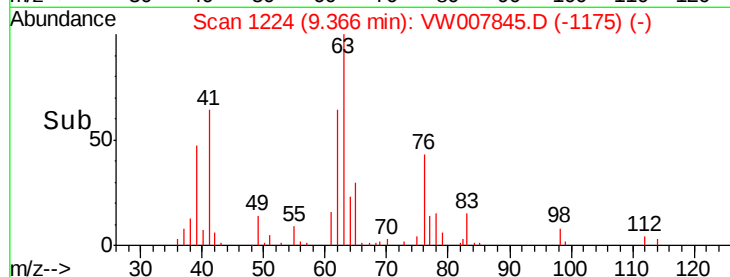
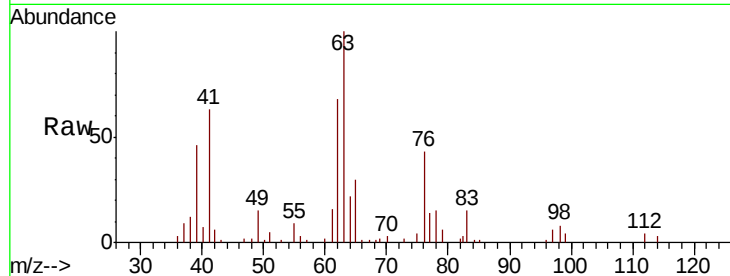
#45
 1,2-Dichloropropane
 Concen: 19.851 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion: 63 Resp: 17794
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.8 35.8

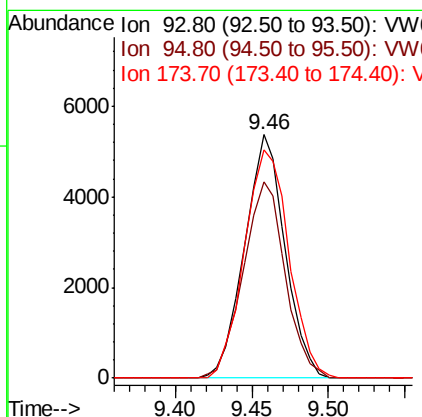
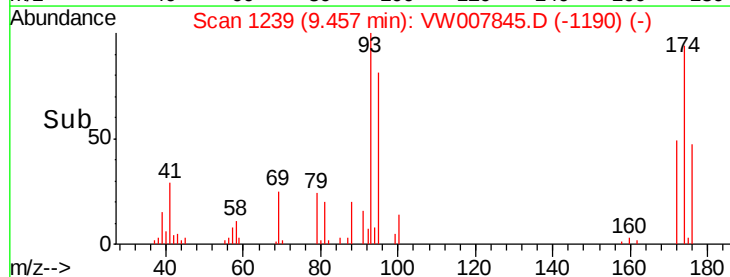
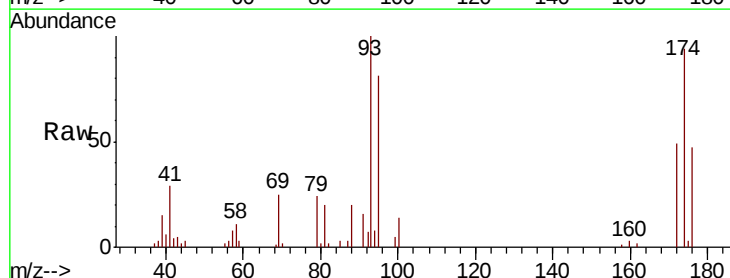
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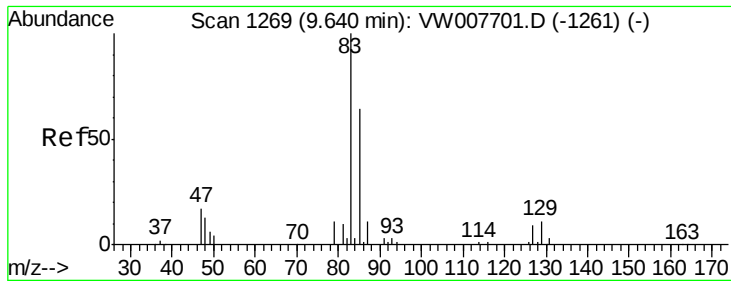
MMDadoda
 12/24/2018 3:18:31 PM



#46
 Dibromomethane
 Concen: 17.831 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion: 93 Resp: 9839
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.5 101.3
 174 103.7 83.9 125.9





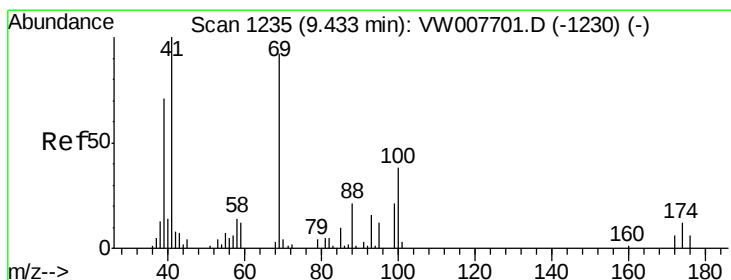
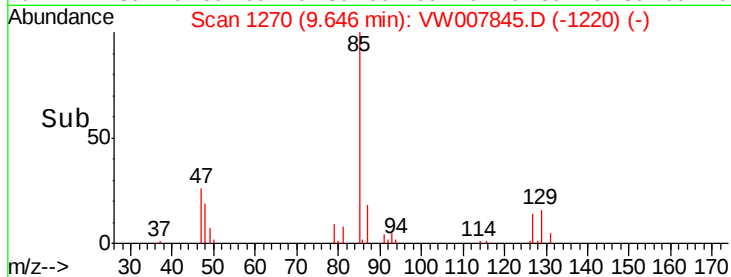
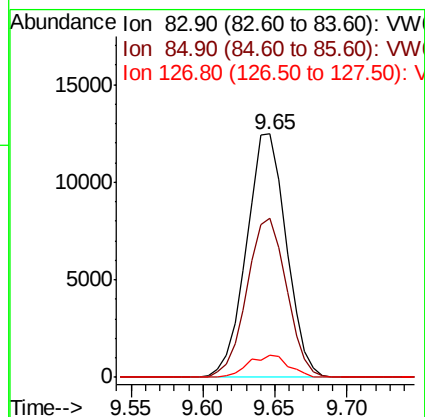
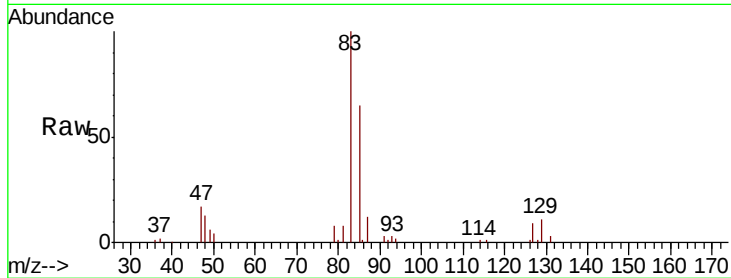
#47
Bromodichloromethane
Concen: 16.508 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	23946		
85	65.4	51.4	77.0	
127	8.9	7.5	11.3	

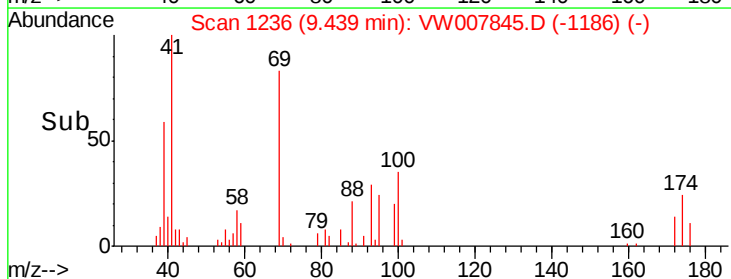
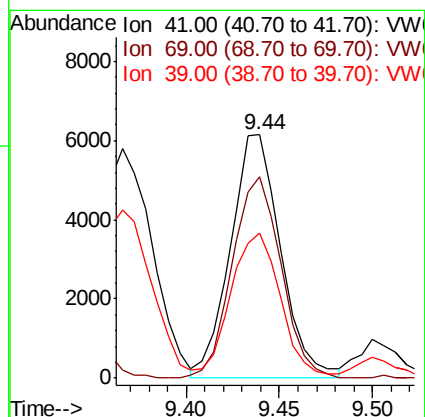
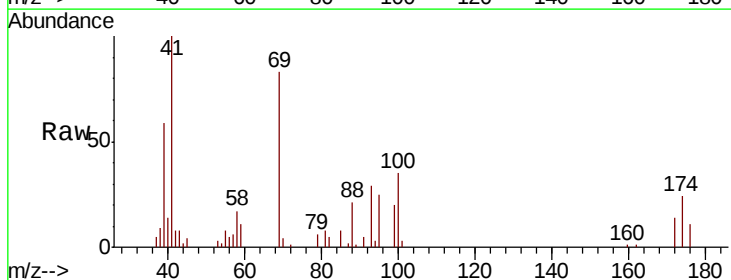
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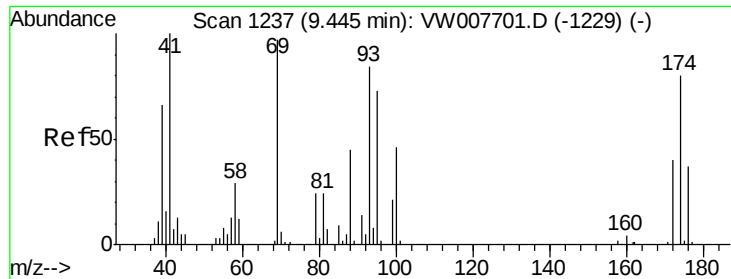
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#48
Methyl methacrylate
Concen: 22.114 ug/l m
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	11554		
69	80.2	74.2	111.2	
39	55.3	53.9	80.9	





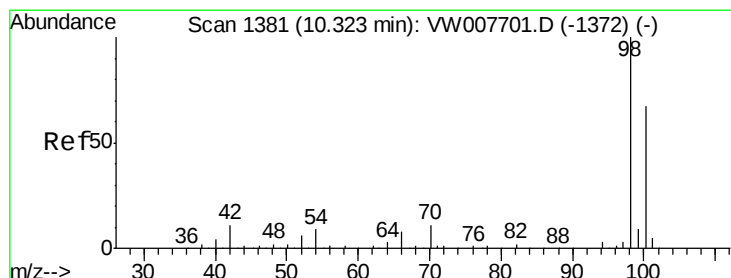
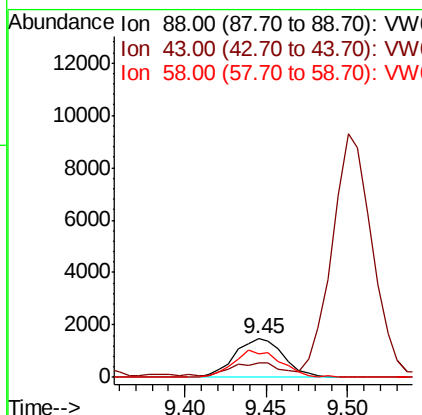
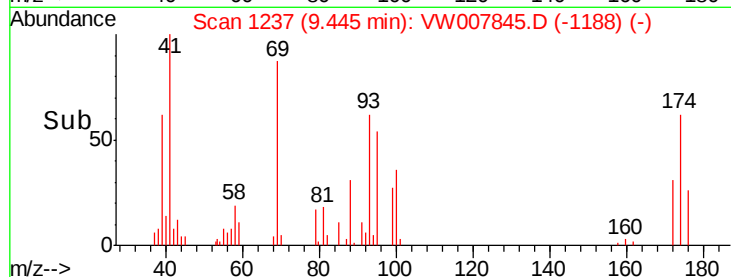
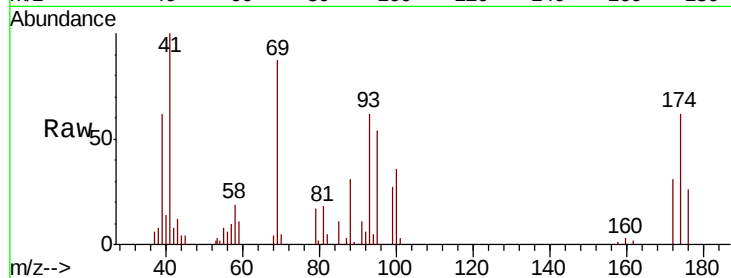
#49
1,4-Dioxane
Concen: 347.497 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.4	25.6	38.4
58	66.7	52.3	78.5

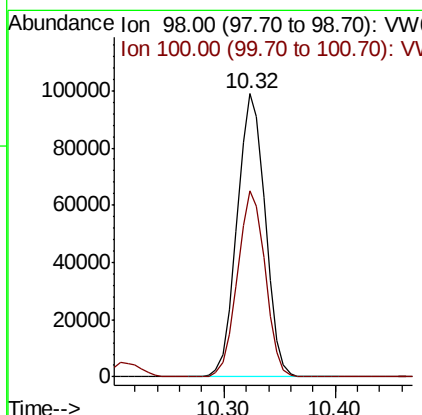
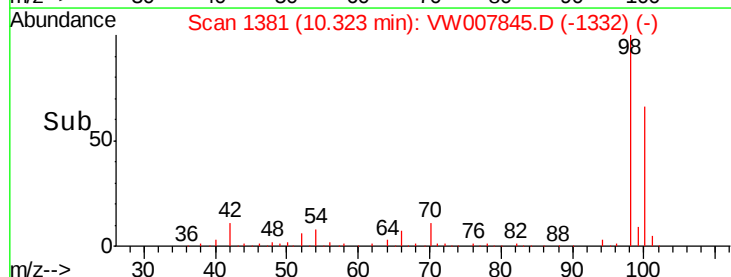
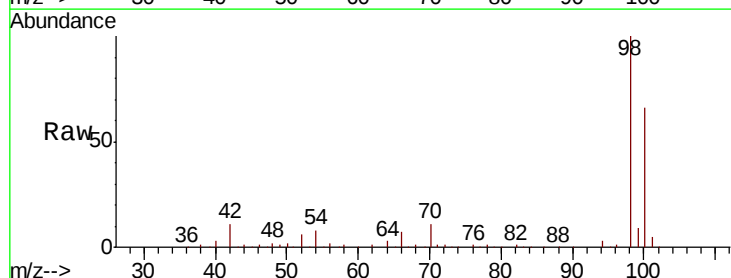
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#50
Toluene-d8
Concen: 47.807 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





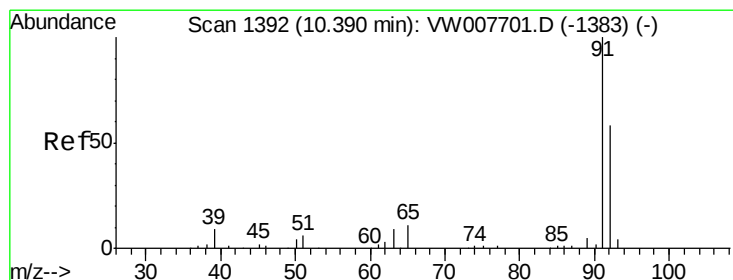
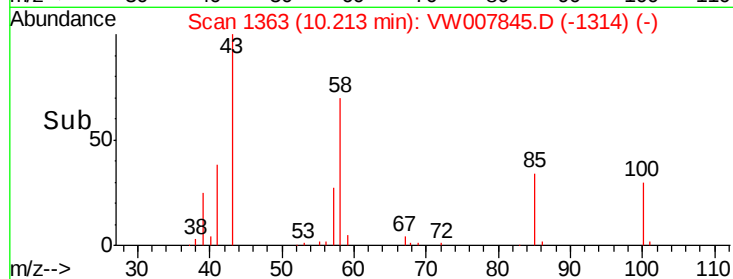
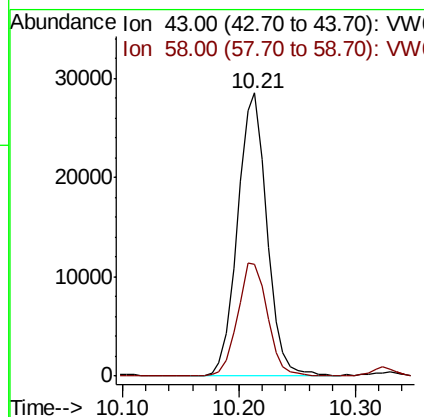
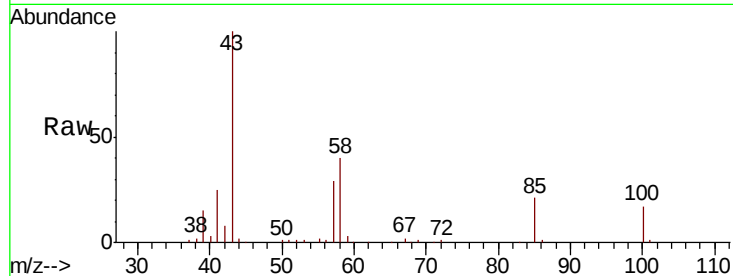
#51
4-Methyl-2-Pentanone
Concen: 101.507 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 43 Resp: 50213
Ion Ratio Lower Upper
43 100
58 40.7 33.2 49.8

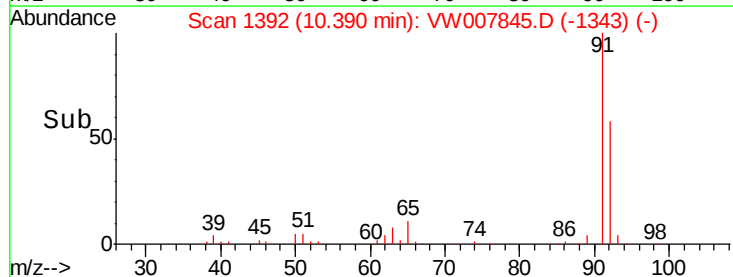
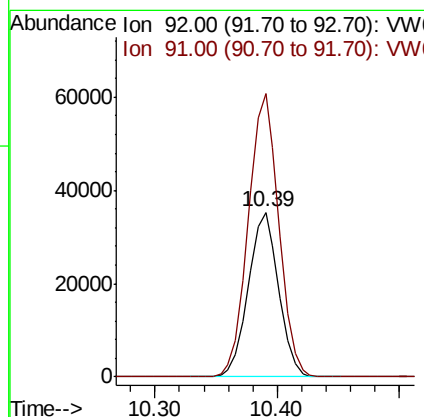
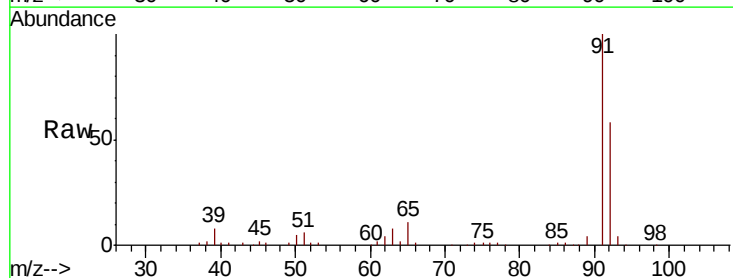
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#52
Toluene
Concen: 22.368 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion: 92 Resp: 60626
Ion Ratio Lower Upper
92 100
91 173.7 137.0 205.4





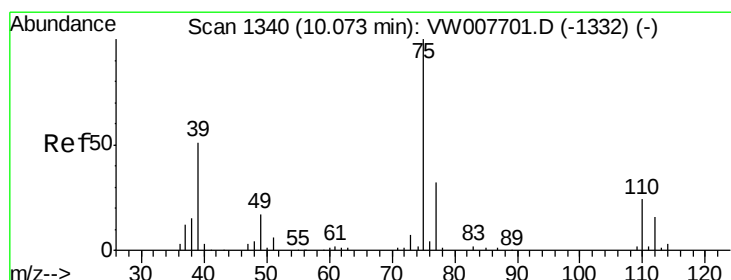
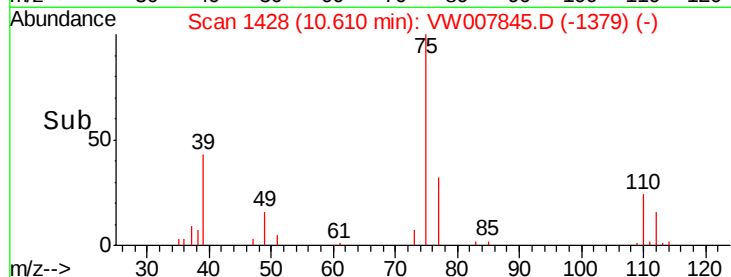
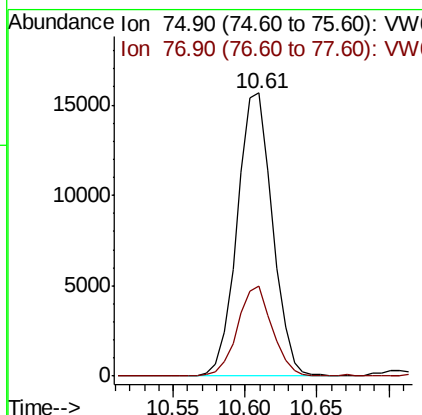
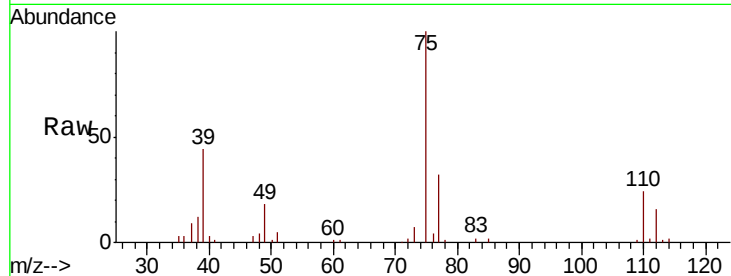
#53
t-1,3-Dichloropropene
Concen: 18.453 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 75 Resp: 26625
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

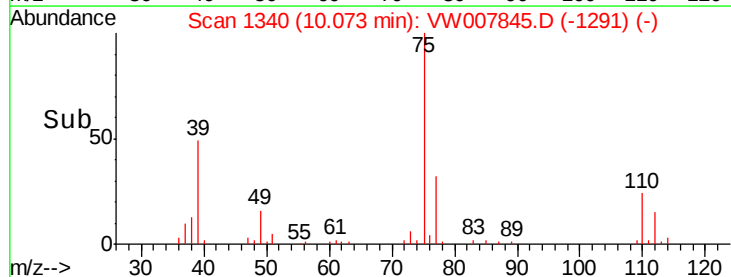
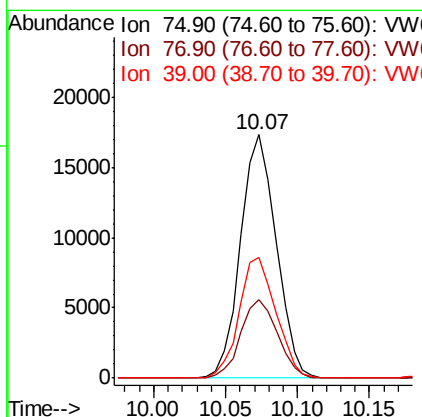
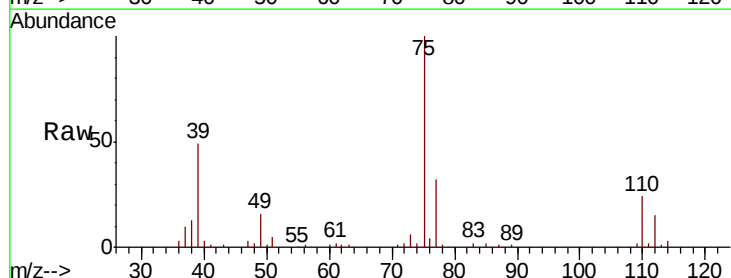
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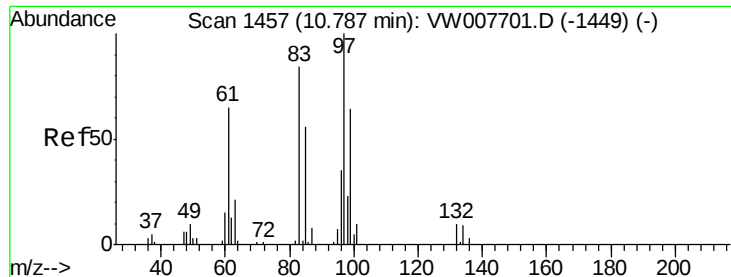
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#54
cis-1,3-Dichloropropene
Concen: 18.710 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion: 75 Resp: 29819
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3
39 49.4 41.2 61.8





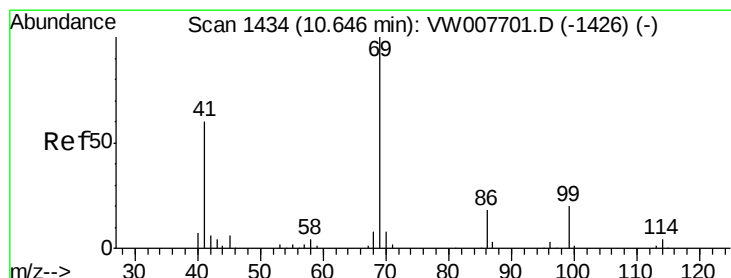
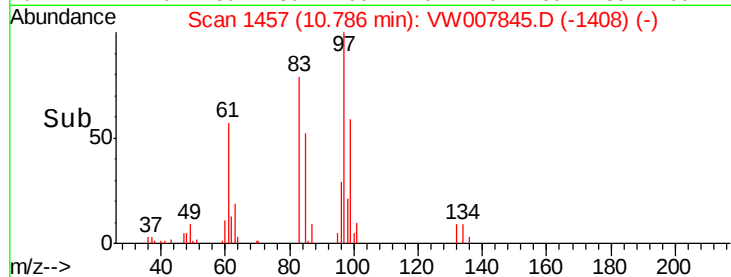
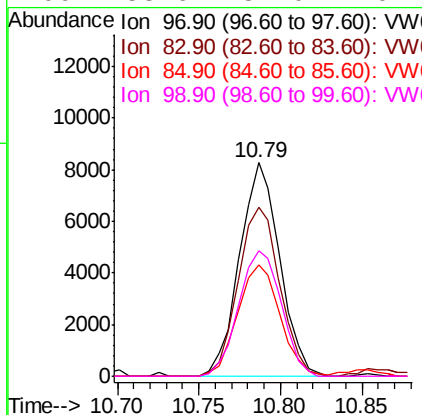
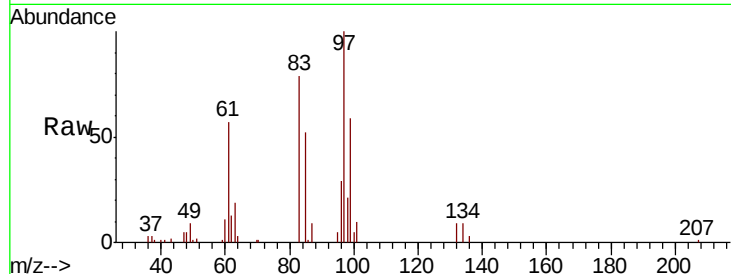
#55
 1,1,2-Trichloroethane
 Concen: 18.611 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion:	97	Resp:	14157
Ion	Ratio	Lower	Upper
97	100		
83	79.1	67.5	101.3
85	52.1	44.8	67.2
99	58.6	51.0	76.4

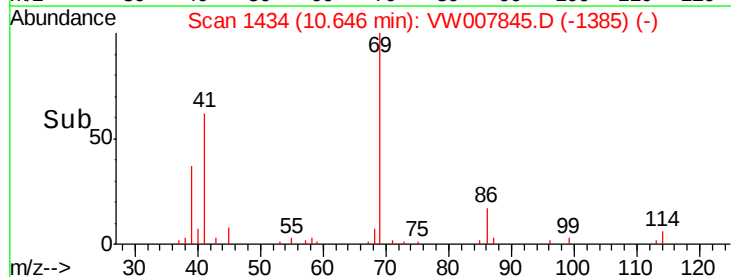
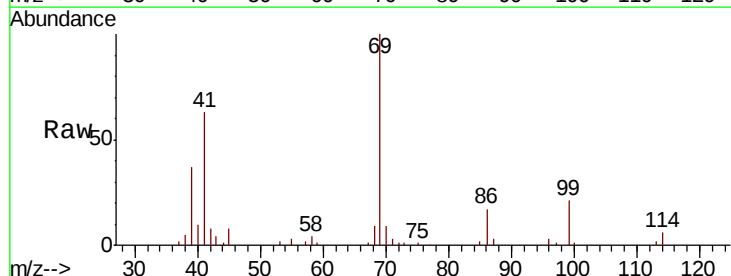
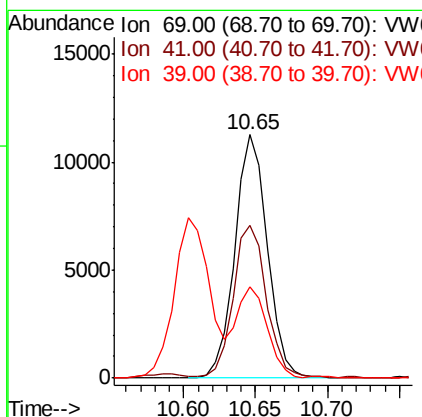
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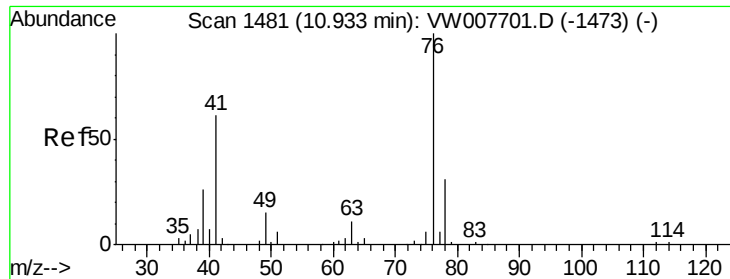
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#56
 Ethyl methacrylate
 Concen: 19.654 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion:	69	Resp:	17664
Ion	Ratio	Lower	Upper
69	100		
41	64.8	48.9	73.3
39	36.1	31.3	46.9





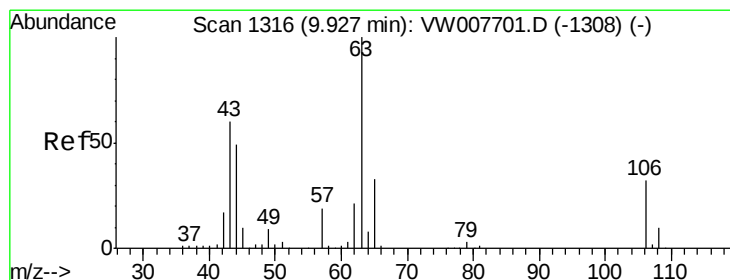
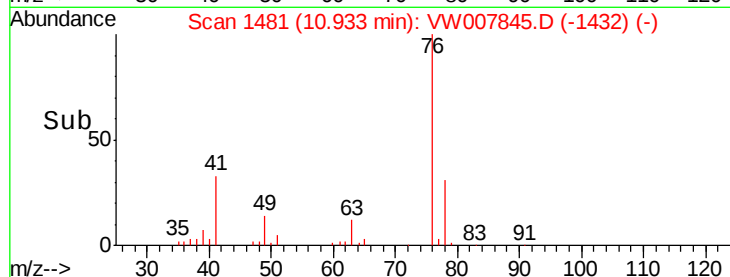
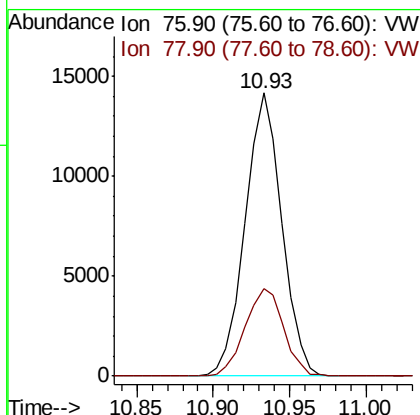
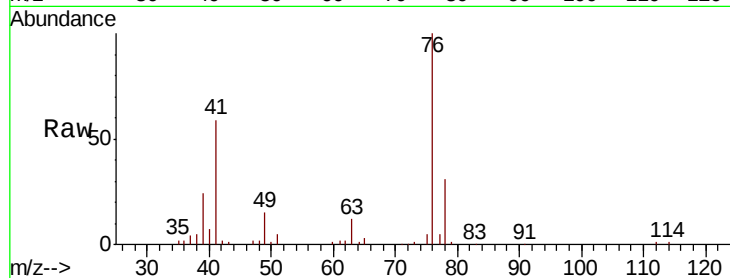
#57
 1,3-Dichloropropane
 Concen: 18.672 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion: 76 Resp: 23585
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

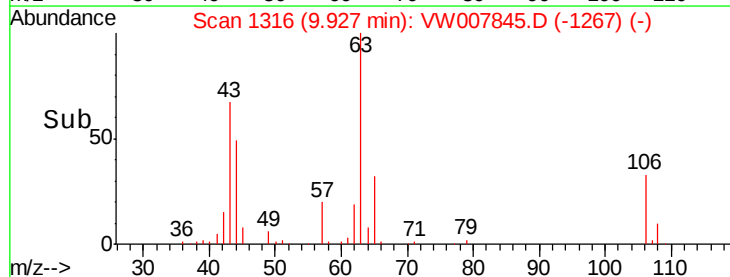
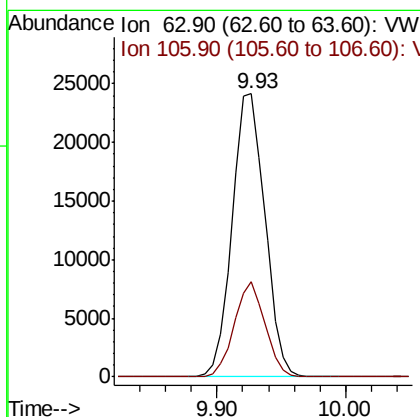
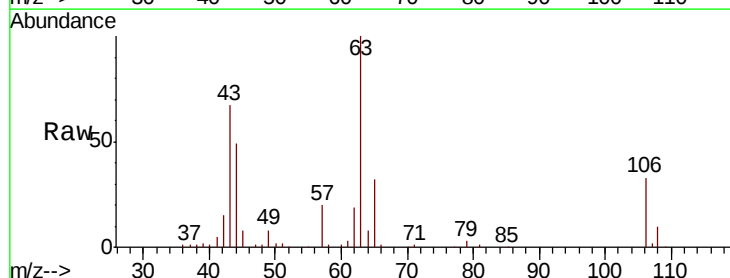
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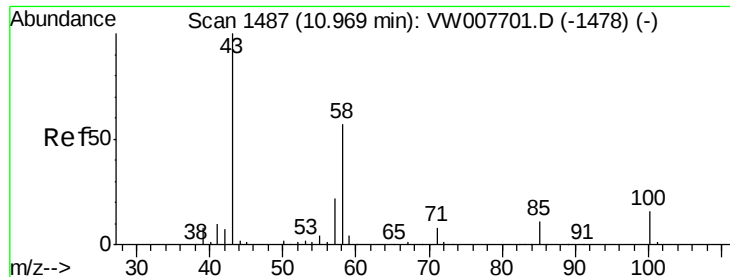
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.178 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion: 63 Resp: 42749
 Ion Ratio Lower Upper
 63 100
 106 31.3 25.9 38.9





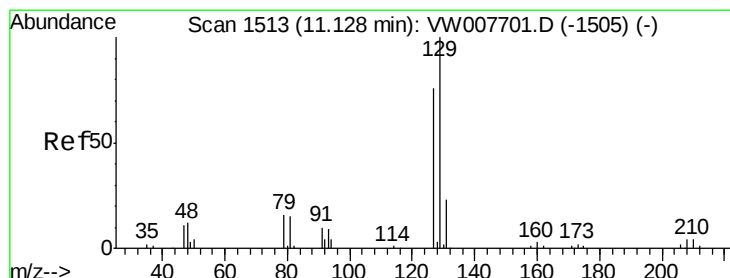
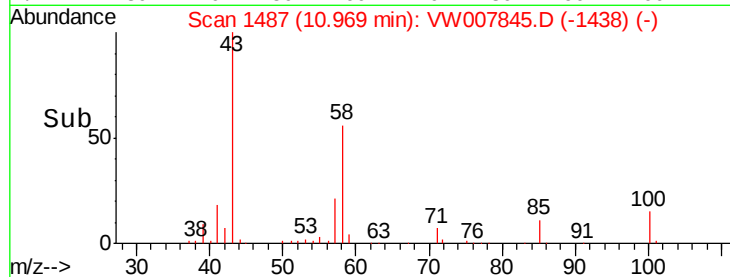
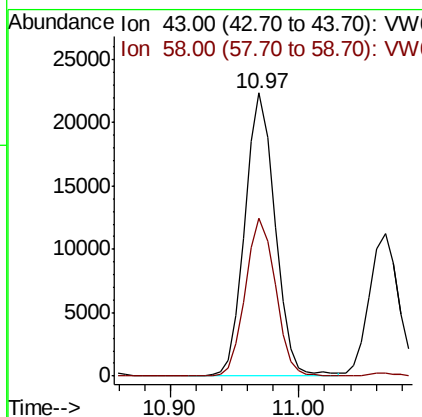
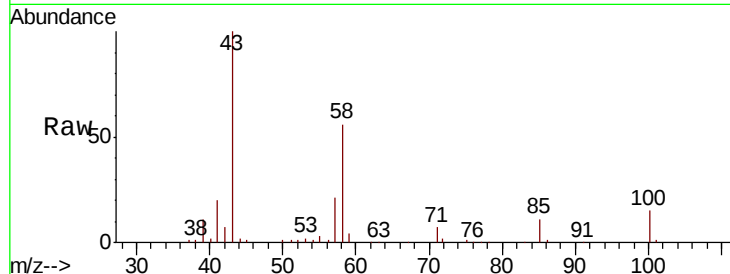
#59
2-Hexanone
Concen: 103.958 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 43 Resp: 36166
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.1

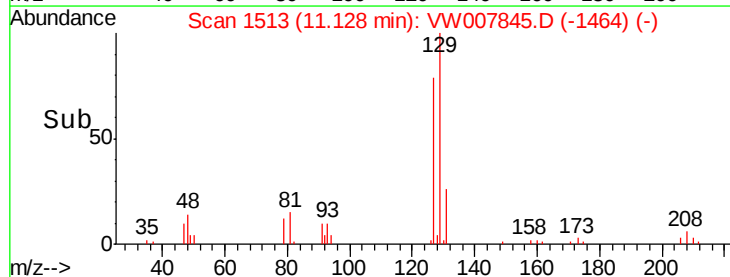
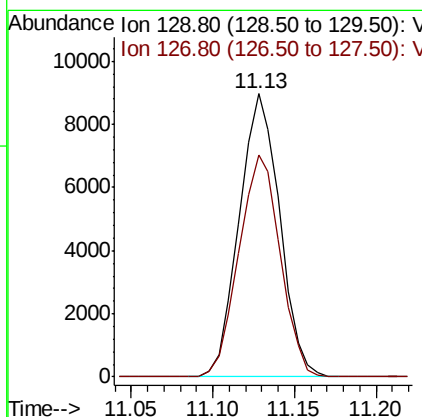
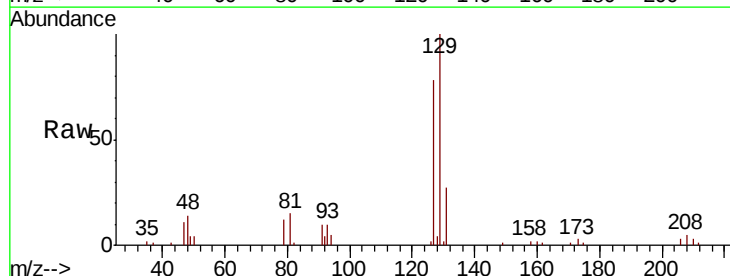
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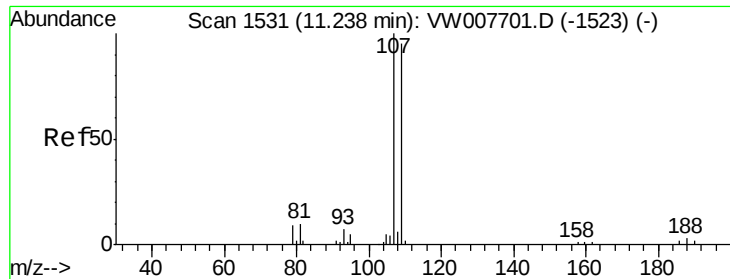
MMDadoda
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#60
Dibromochloromethane
Concen: 15.408 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion: 129 Resp: 15519
Ion Ratio Lower Upper
129 100
127 79.9 38.3 114.9





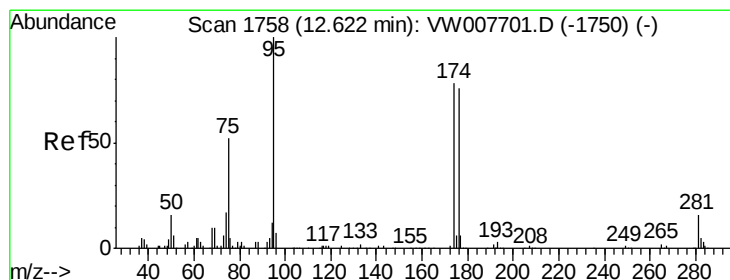
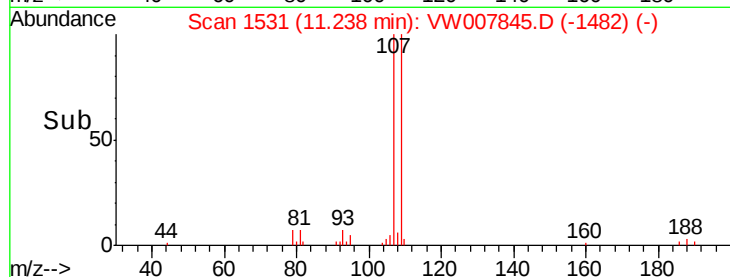
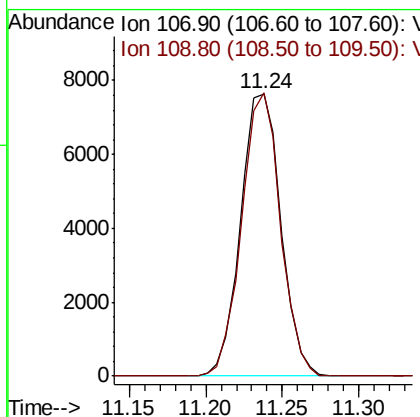
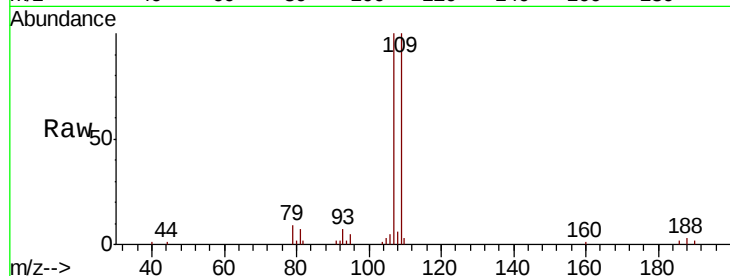
#61
 1,2-Dibromoethane
 Concen: 18.112 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion: 107 Resp: 13952
 Ion Ratio Lower Upper
 107 100
 109 96.5 75.4 113.0

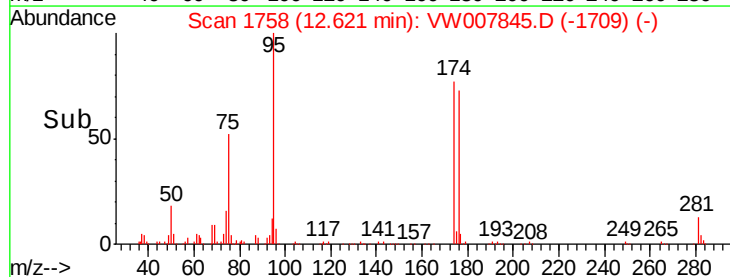
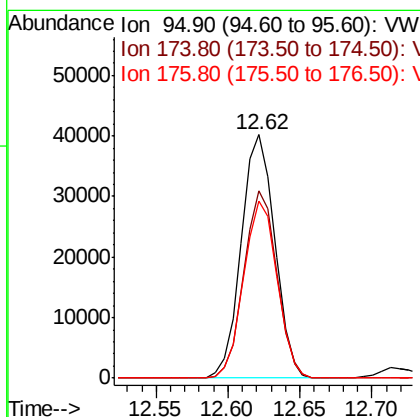
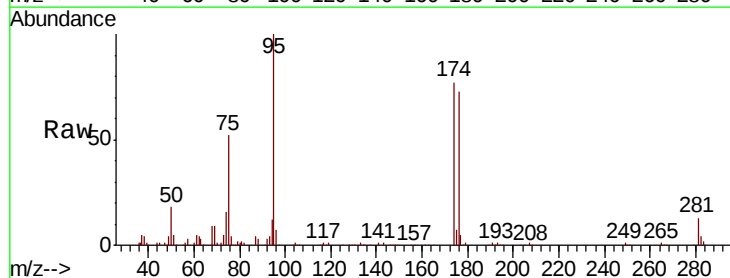
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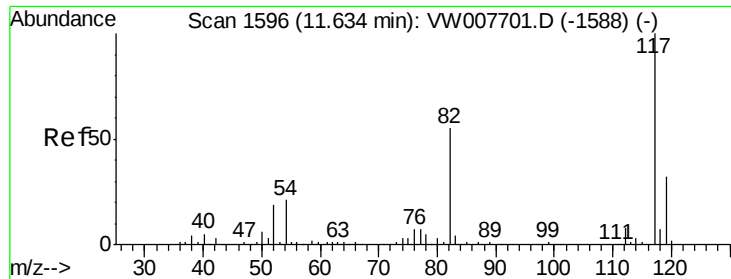
MMDadoda
 12/24/2018 3:18:31 PM



#62
 4-Bromofluorobenzene
 Concen: 46.530 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion: 95 Resp: 64841
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 152.2
 176 72.6 0.0 146.8





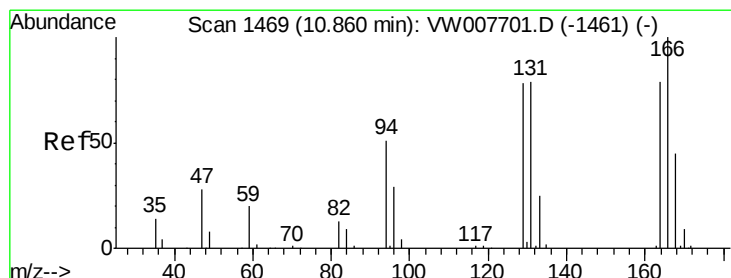
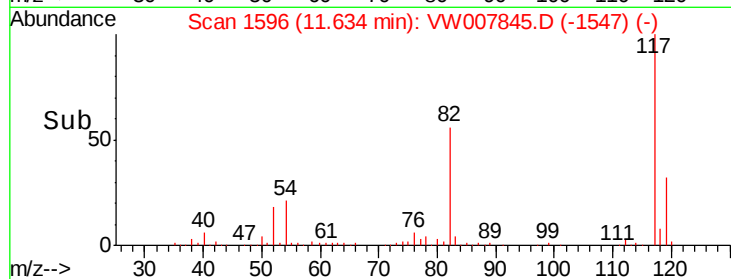
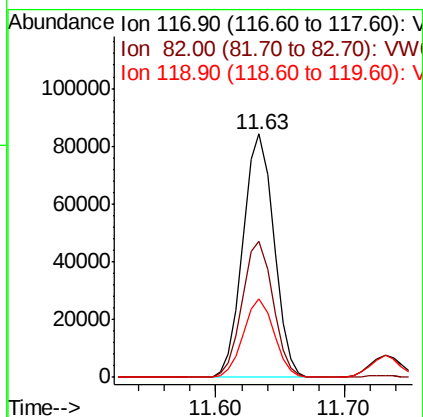
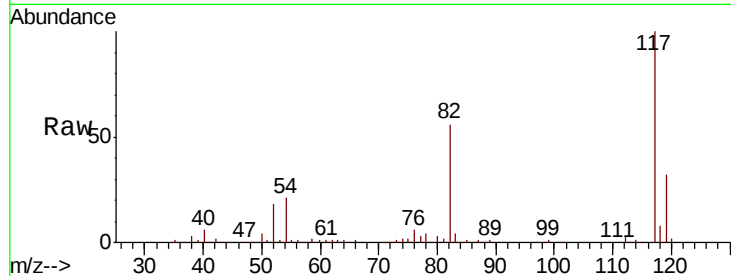
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	139962		
82	56.0	44.3	66.5	
119	32.4	25.7	38.5	

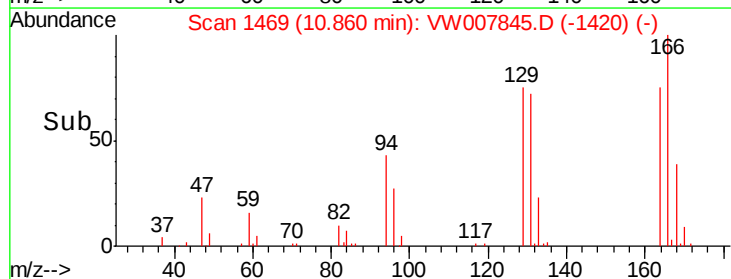
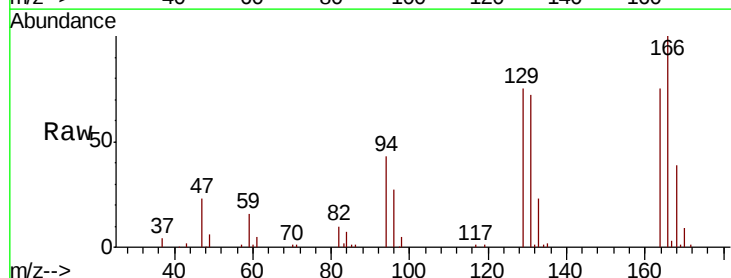
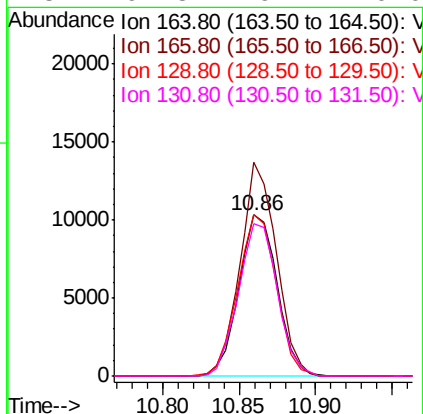
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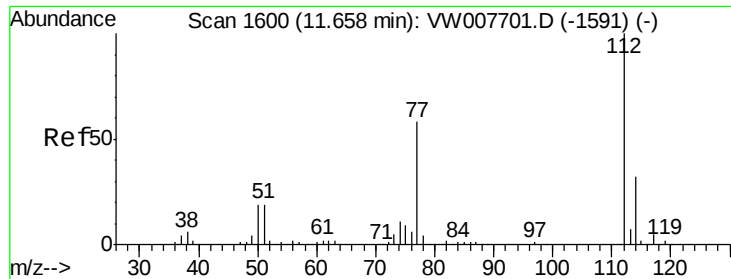
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#64
Tetrachloroethene
Concen: 18.200 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18038		
166	132.5	101.0	151.6	
129	99.8	78.7	118.1	
131	94.8	79.4	119.0	





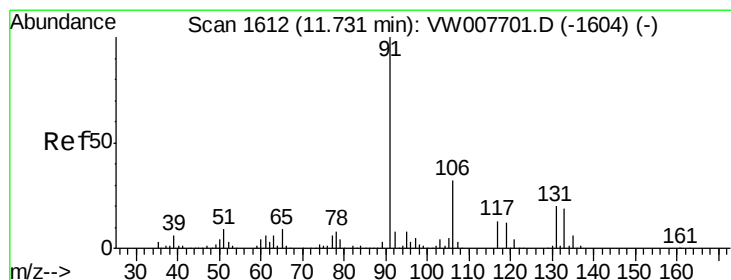
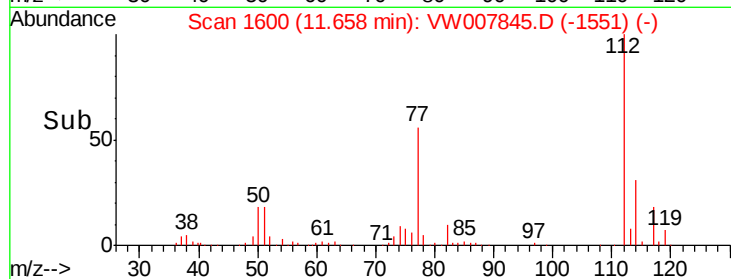
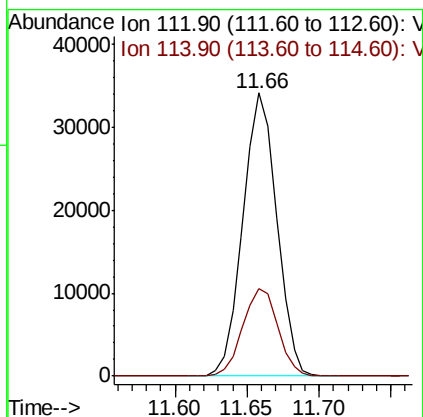
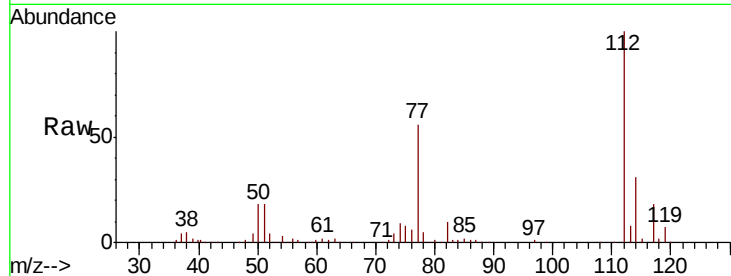
#65
Chlorobenzene
Concen: 18.353 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion:112 Resp: 55597
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8

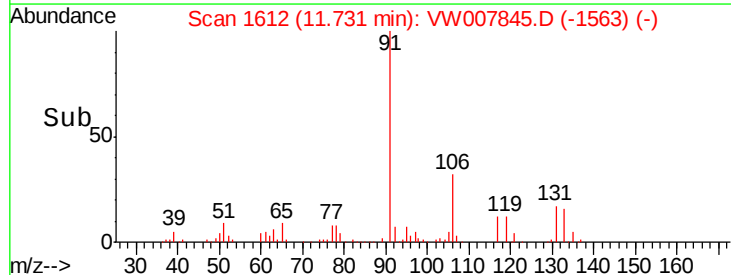
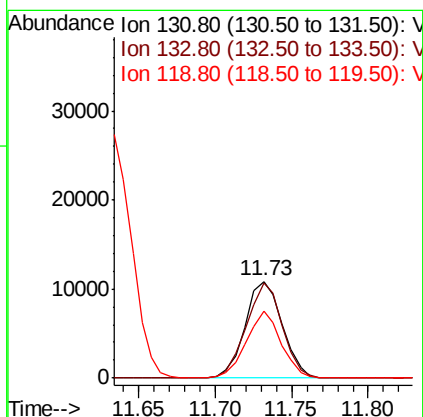
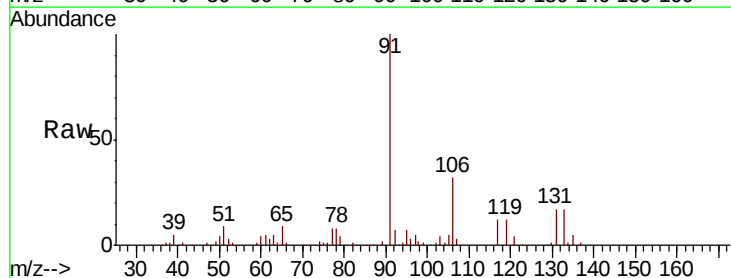
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.962 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion:131 Resp: 18360
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 64.5 30.2 90.6





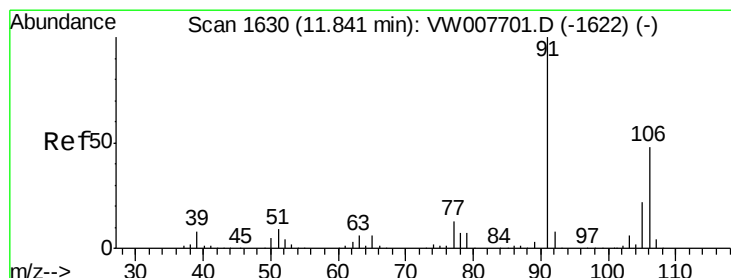
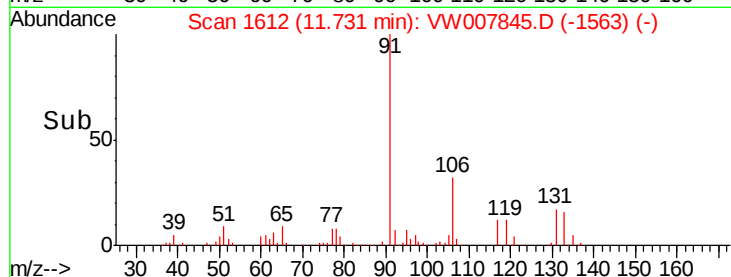
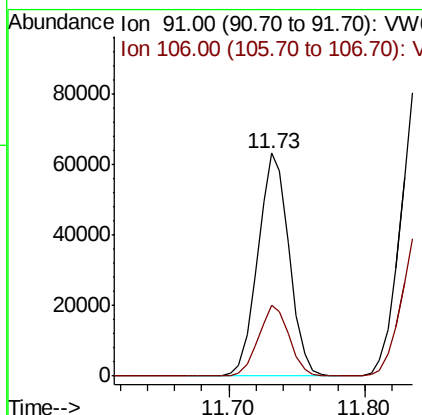
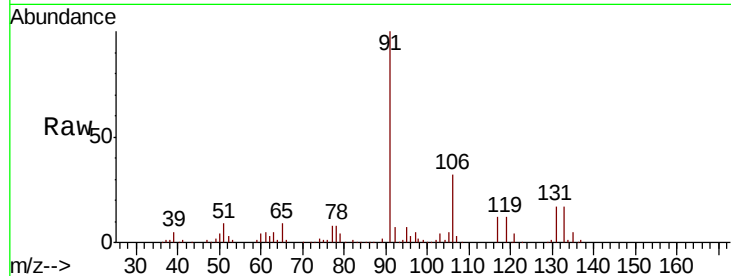
#67
Ethyl Benzene
Concen: 19.520 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 91 Resp: 101473
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.8

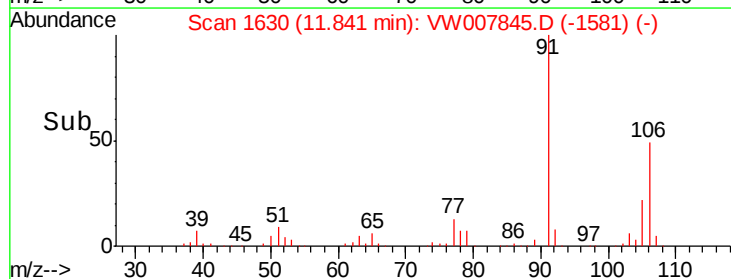
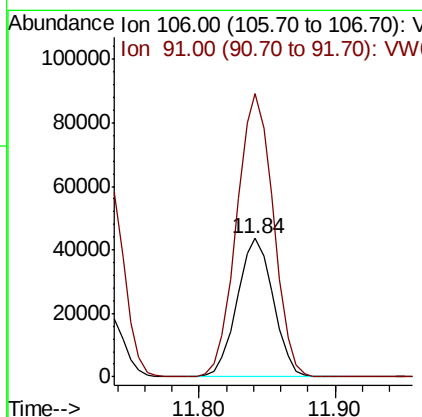
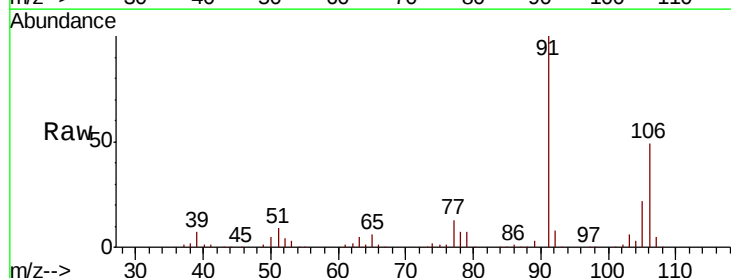
Manual Integrations
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#68
m/p-Xylenes
Concen: 40.133 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion: 106 Resp: 80930
Ion Ratio Lower Upper
106 100
91 207.4 165.2 247.8





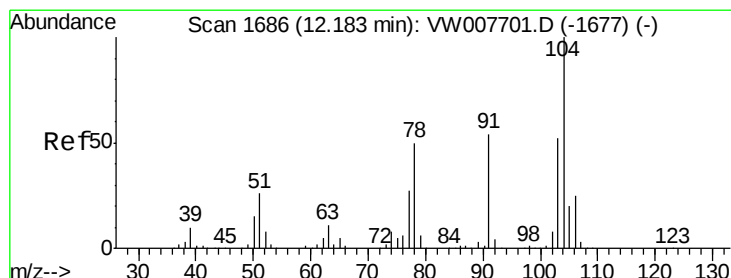
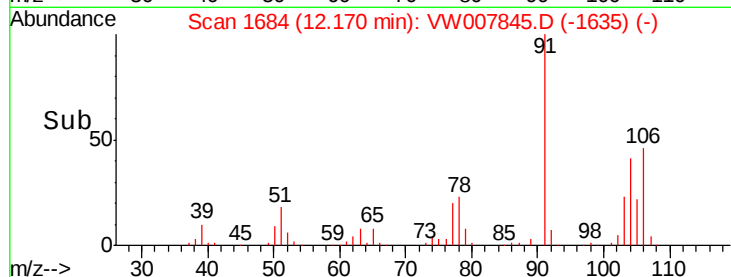
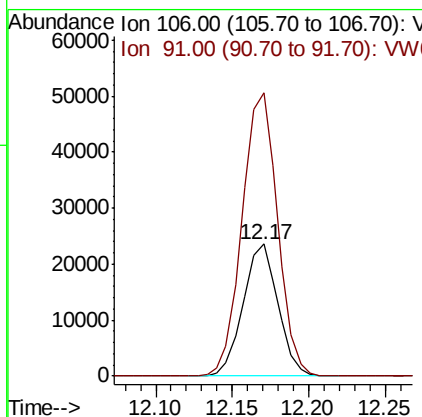
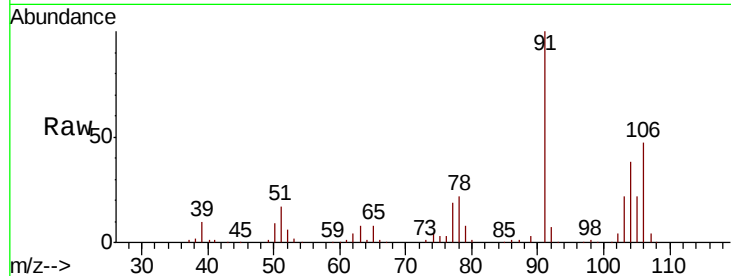
#69
o-Xylene
Concen: 19.762 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion:106 Resp: 37354
Ion Ratio Lower Upper
106 100
91 218.2 110.5 331.4

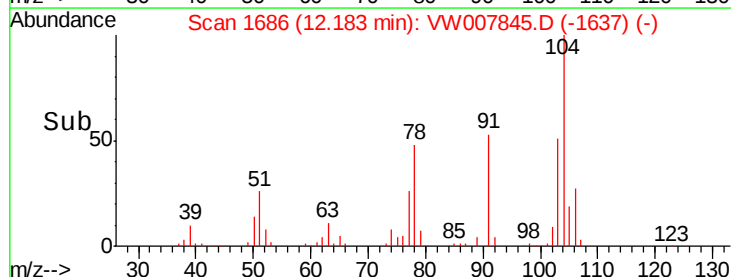
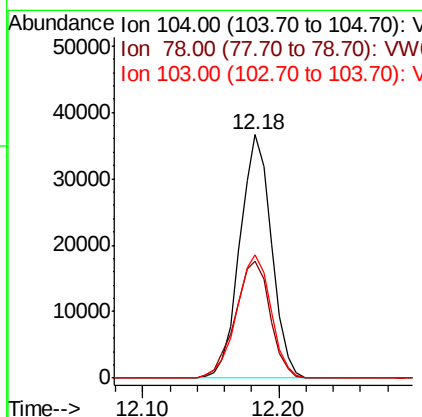
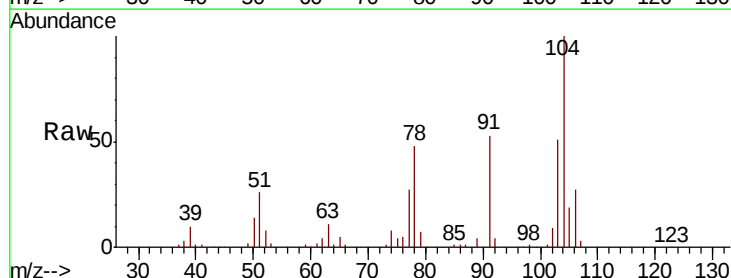
Manual Integrations
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#70
Styrene
Concen: 19.156 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion:104 Resp: 59520
Ion Ratio Lower Upper
104 100
78 52.8 43.4 65.0
103 54.8 44.5 66.7





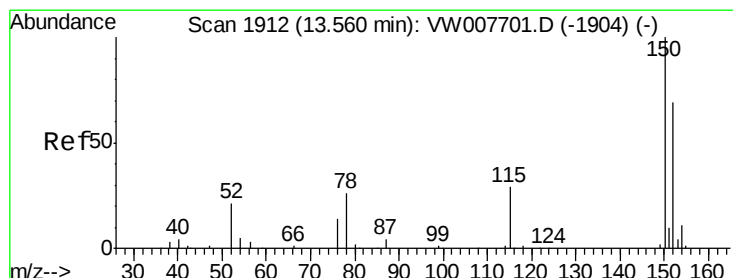
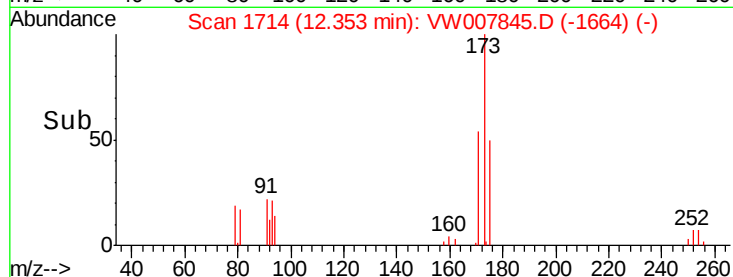
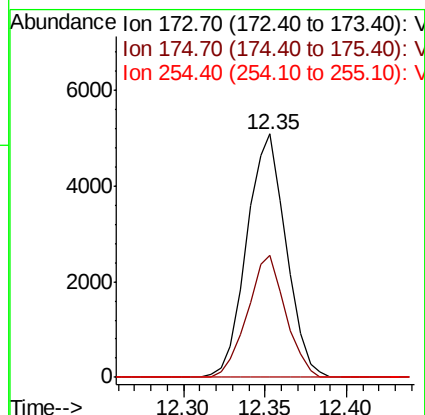
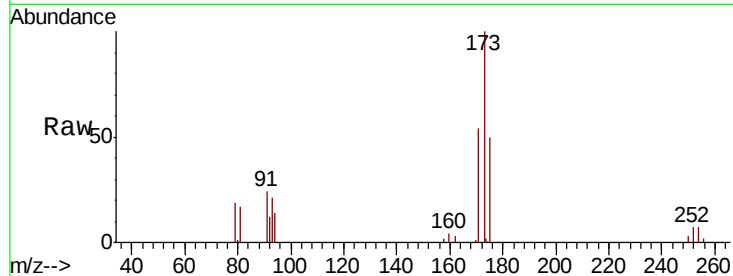
#71
Bromoform
Concen: 15.146 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.0	0.0	0.0

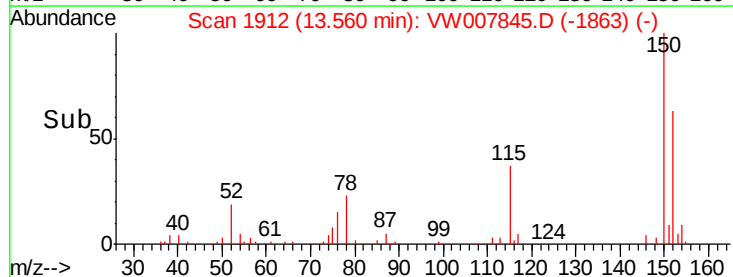
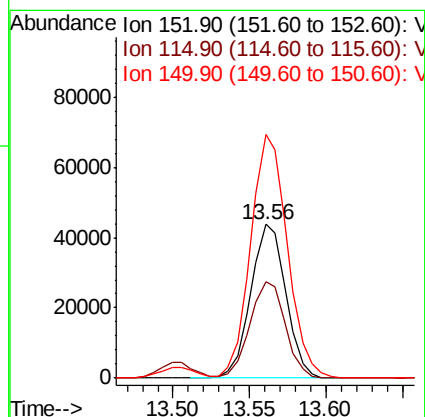
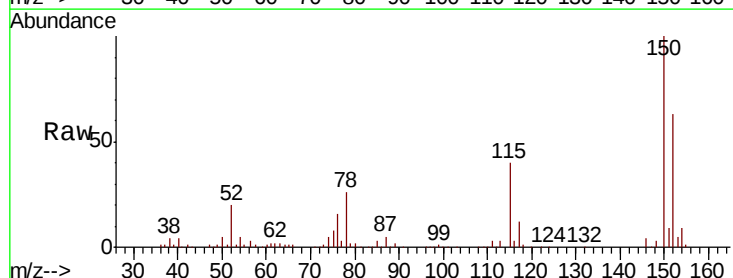
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	31.8	95.4
150	165.4	0.0	350.8





#73

Isopropylbenzene

Concen: 19.570 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW1224SBS01

Tgt Ion: 105 Resp: 103403

Ion Ratio Lower Upper

105 100

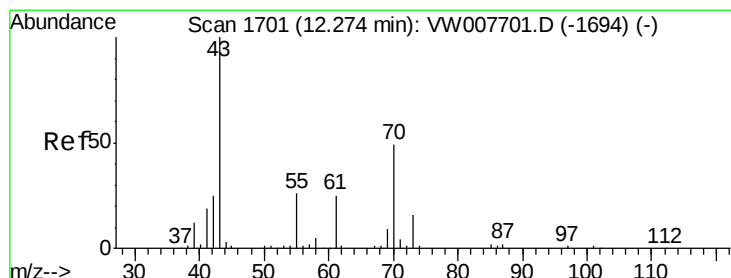
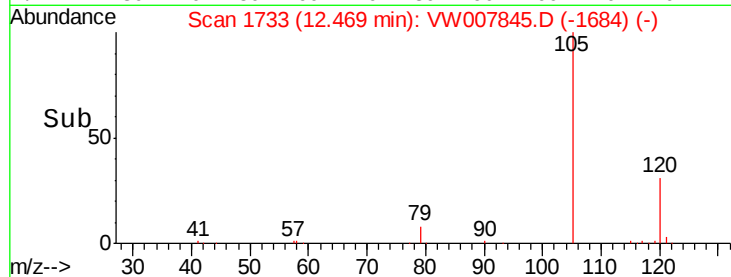
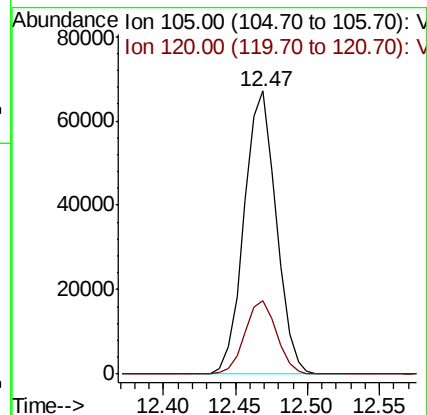
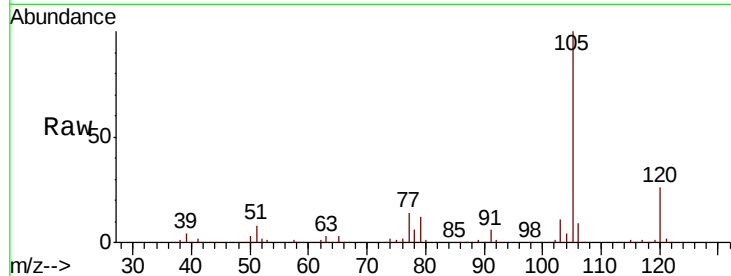
120 25.7 13.1 39.3

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#74

N-ethyl acetate

Concen: 21.775 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Tgt Ion: 43 Resp: 19929

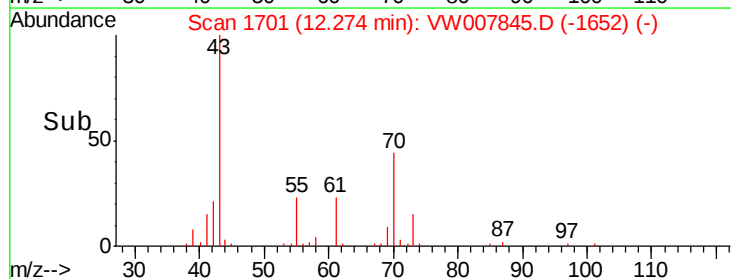
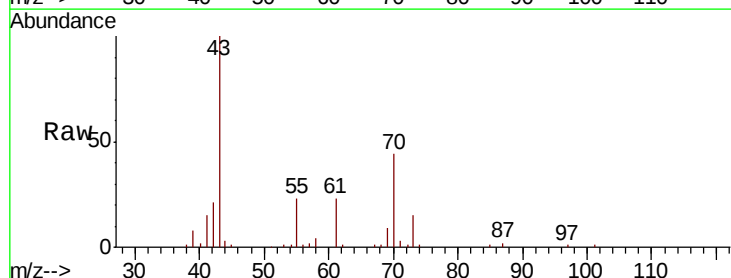
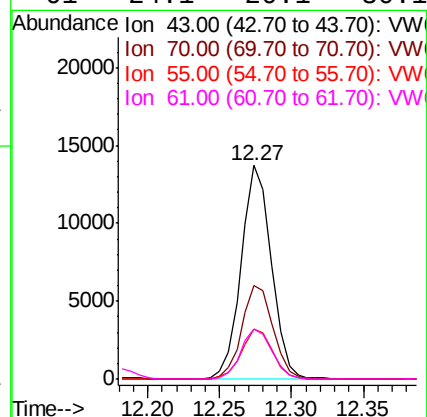
Ion Ratio Lower Upper

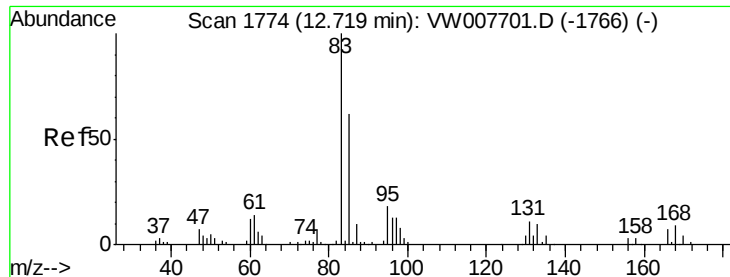
43 100

70 45.1 37.6 56.4

55 24.2 21.7 32.5

61 24.1 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.421 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

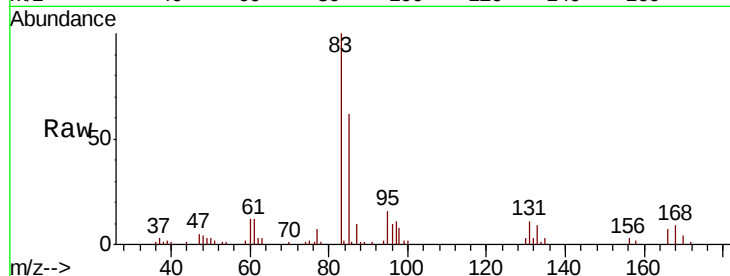
ClientSampleId :

VW1224SBS01

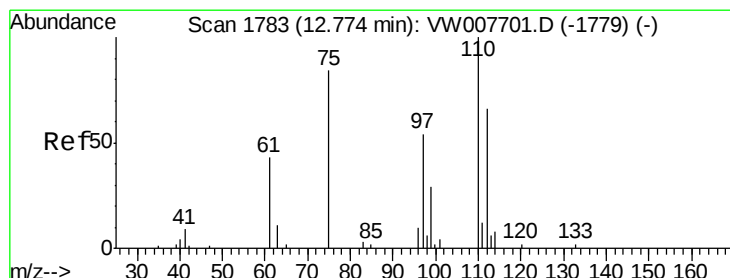
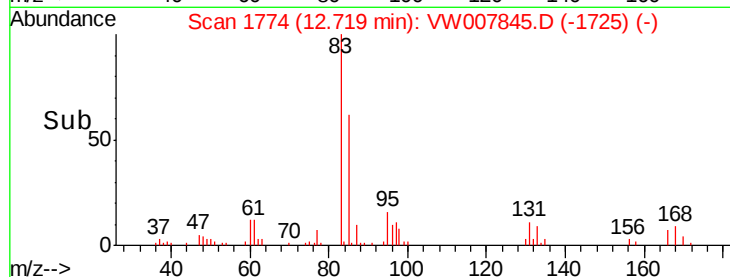
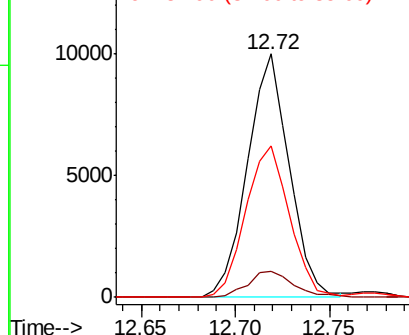
Tgt Ion:	83	Resp:	15385
Ion	Ratio	Lower	Upper
83	100		
131	11.6	6.3	18.8
85	65.2	32.3	96.8

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



#76

1,2,3-Trichloropropane

Concen: 23.235 ug/l m

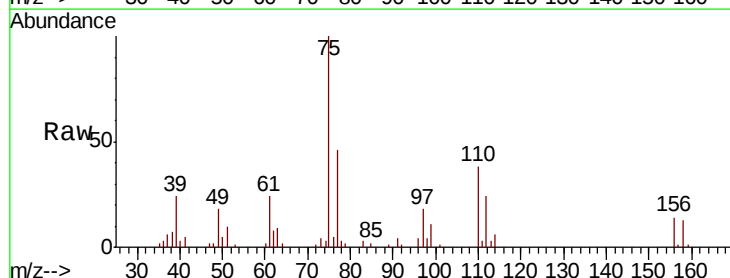
RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

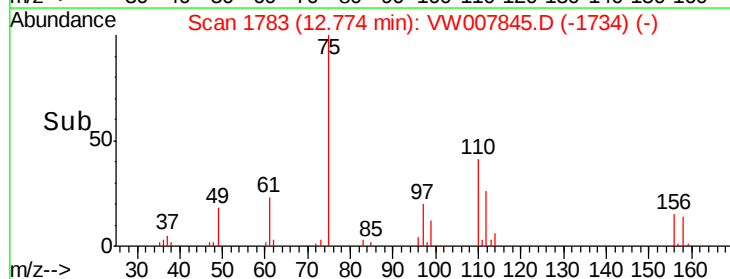
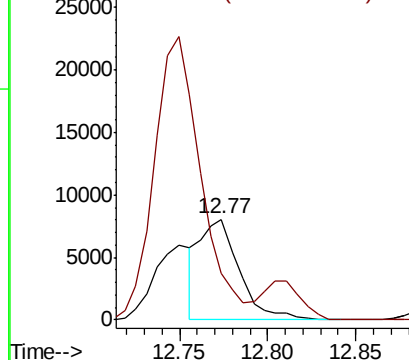
Lab File: VW007845.D

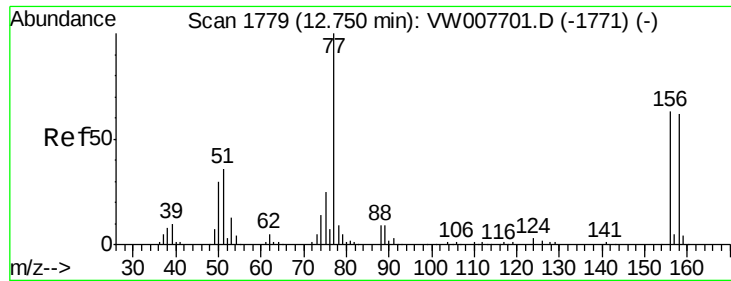
Acq: 22 Dec 2018 16:18

Tgt Ion:	75	Resp:	12553
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.505 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Instrument :

MSVOA_W

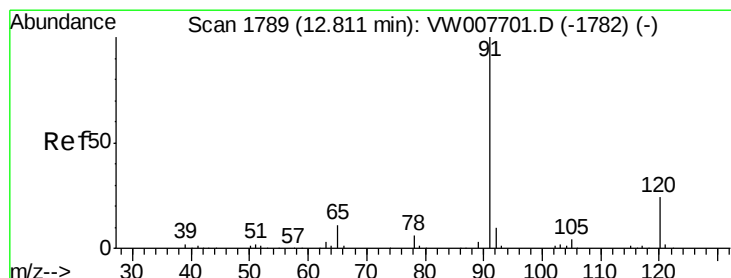
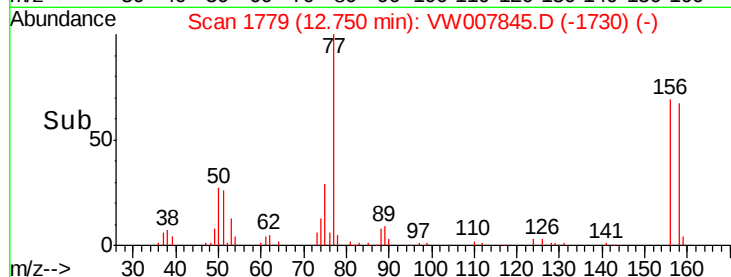
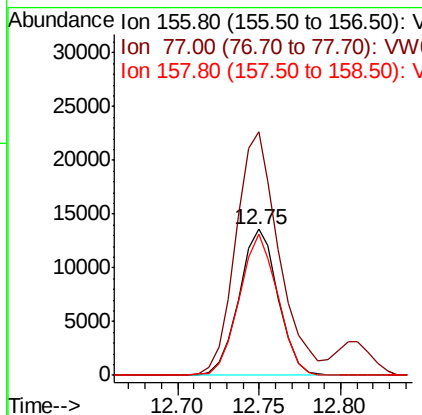
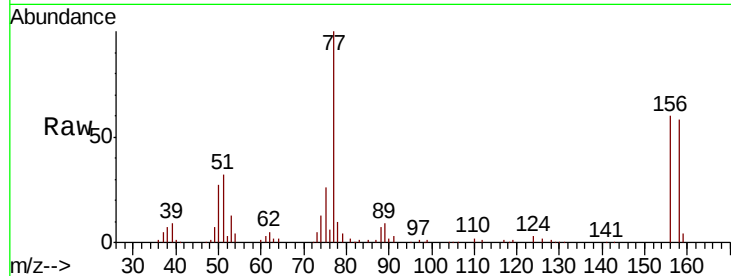
ClientSampleId :

VW1224SBS01

Tgt Ion:	156	Resp:	22407
Ion Ratio	Lower	Upper	
156	100		
77	184.7	87.4	262.1
158	95.7	48.4	145.0

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#78

n-propylbenzene

Concen: 19.388 ug/l

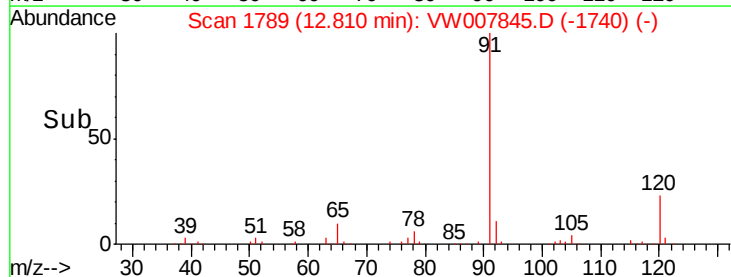
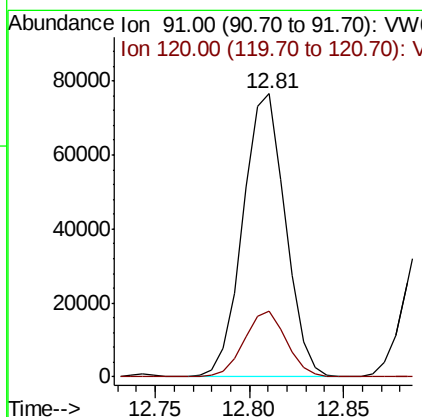
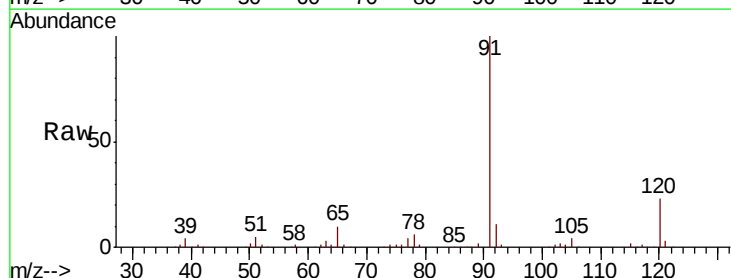
RT: 12.81 min Scan# 1789

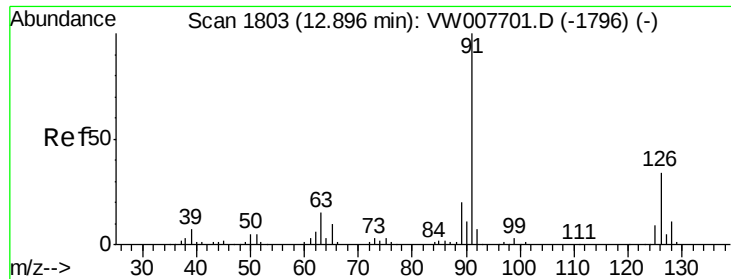
Delta R.T. -0.00 min

Lab File: VW007845.D

Acq: 22 Dec 2018 16:18

Tgt Ion:	91	Resp:	119249
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.7





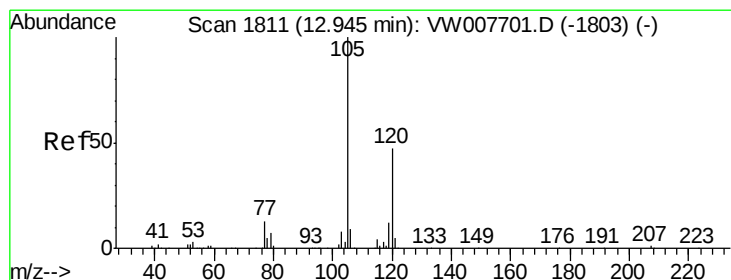
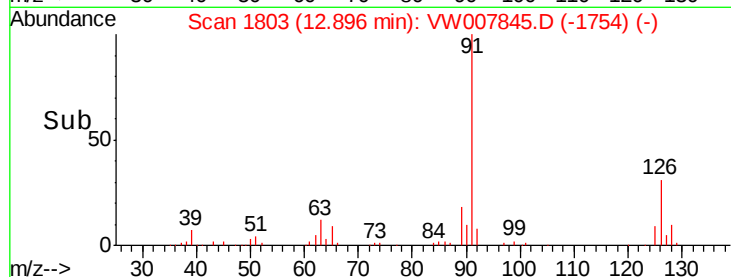
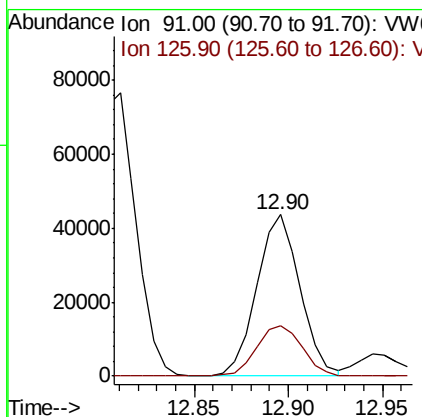
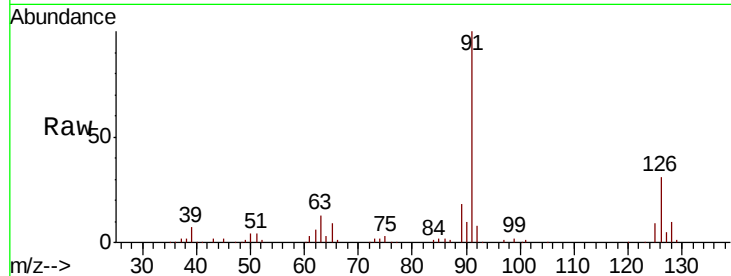
#79
2-Chlorotoluene
Concen: 19.317 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion: 91 Resp: 69214
Ion Ratio Lower Upper
91 100
126 32.9 17.0 51.0

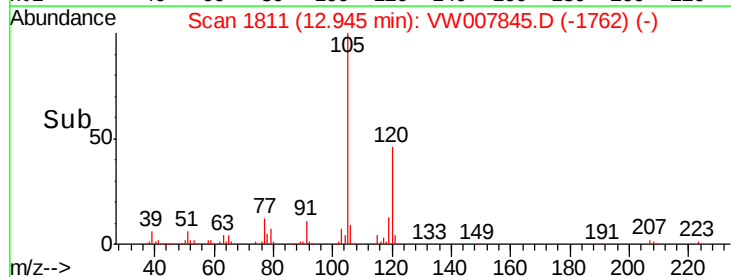
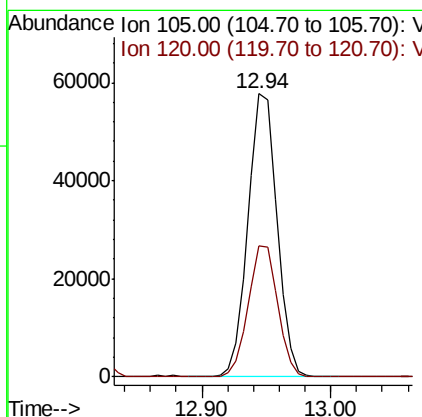
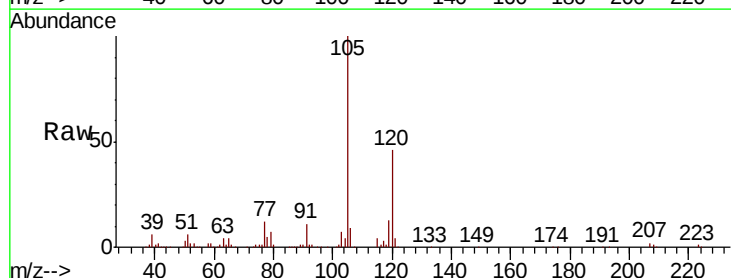
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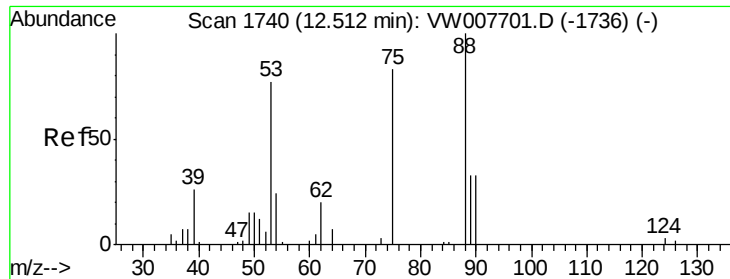
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#80
1,3,5-Trimethylbenzene
Concen: 19.667 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion: 105 Resp: 89635
Ion Ratio Lower Upper
105 100
120 47.0 23.6 70.8





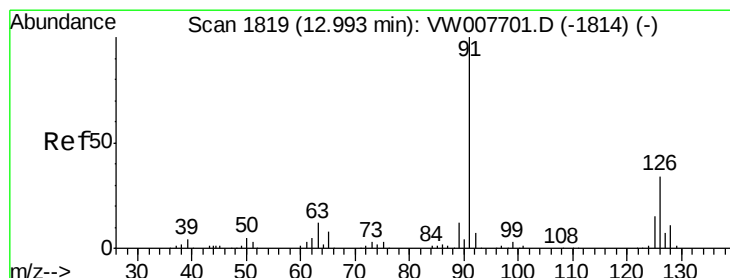
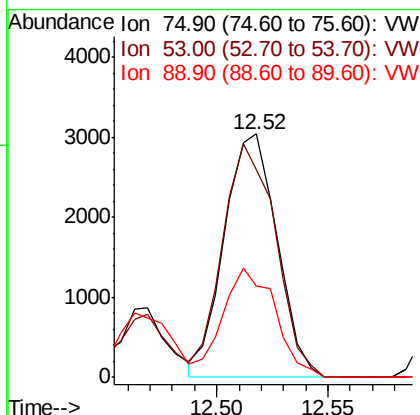
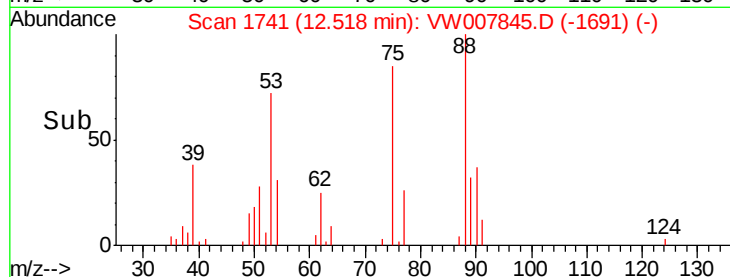
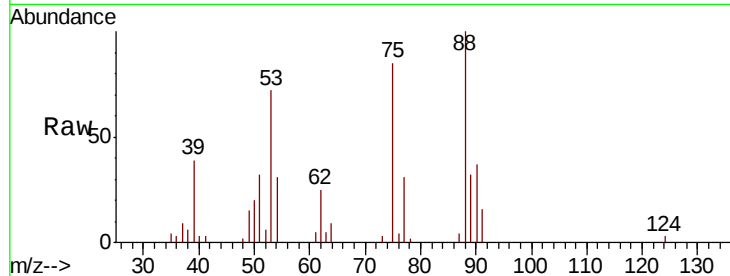
#81
trans-1,4-Dichloro-2-butene
Concen: 19.442 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.1	80.2	120.2
89	45.0	39.2	58.8

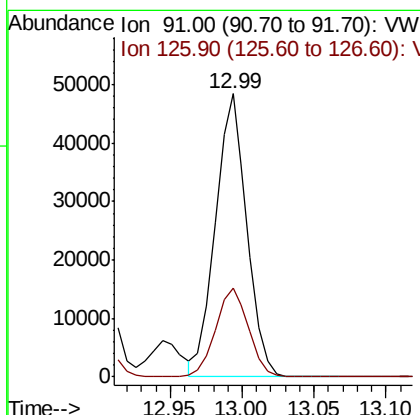
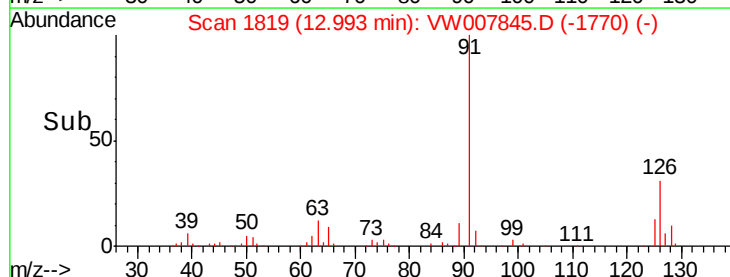
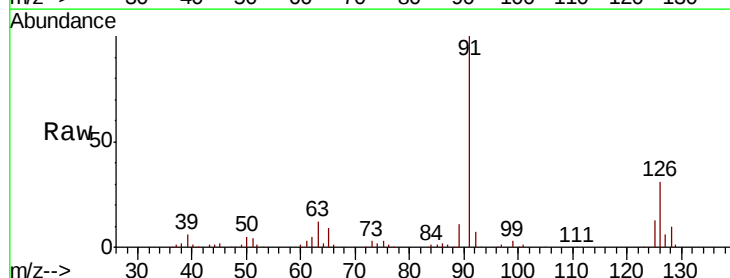
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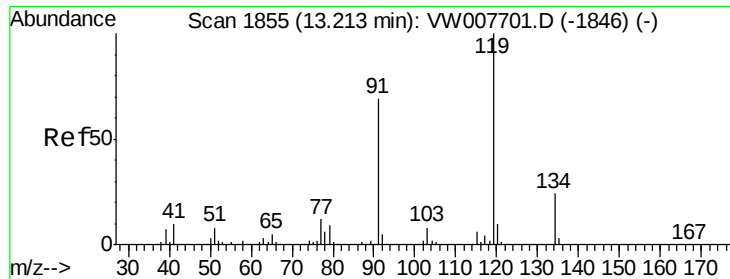
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#82
4-Chlorotoluene
Concen: 19.309 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.5	49.5





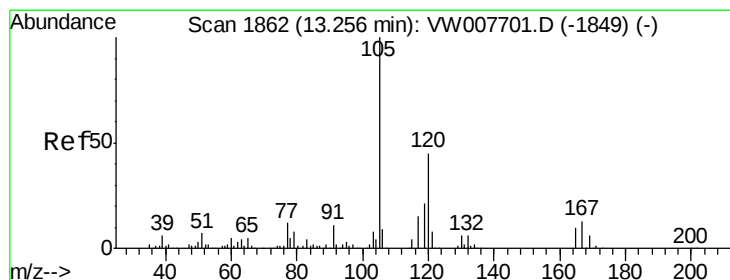
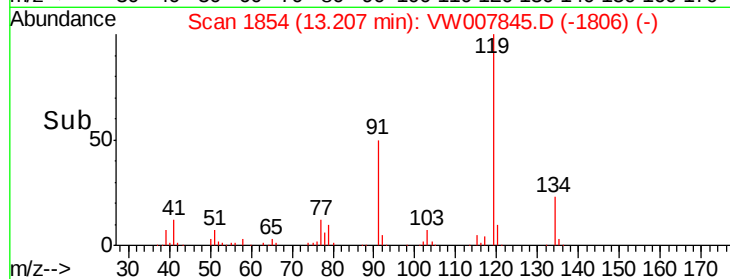
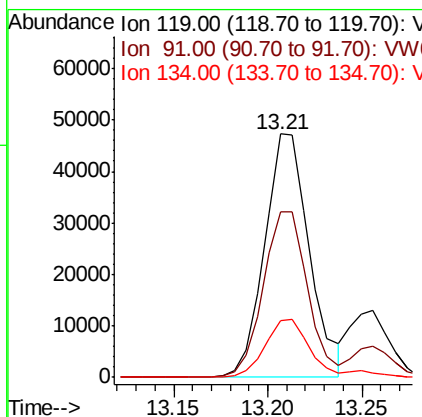
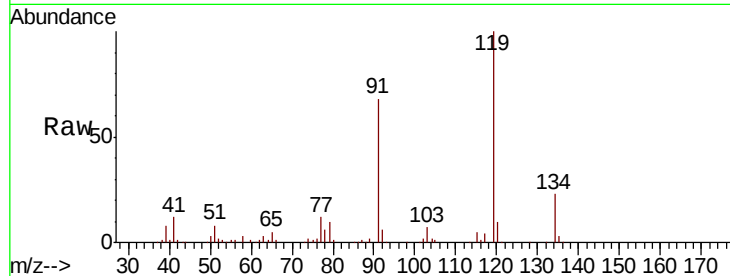
#83
tert-Butylbenzene
Concen: 19.446 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion:119 Resp: 77762
Ion Ratio Lower Upper
119 100
91 67.7 34.2 102.5
134 25.2 12.8 38.4

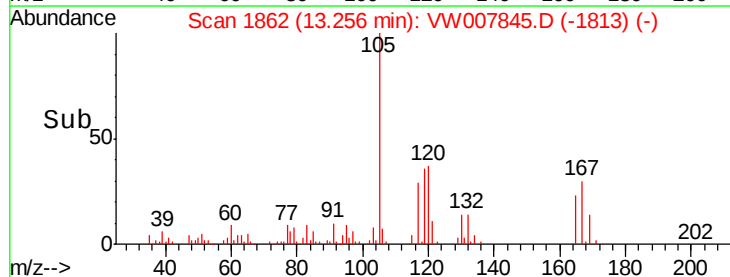
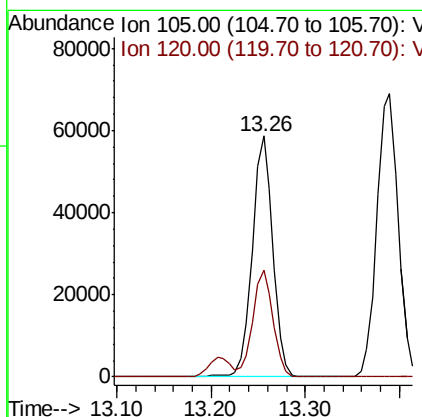
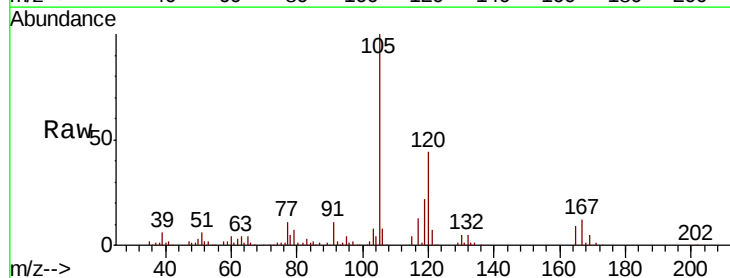
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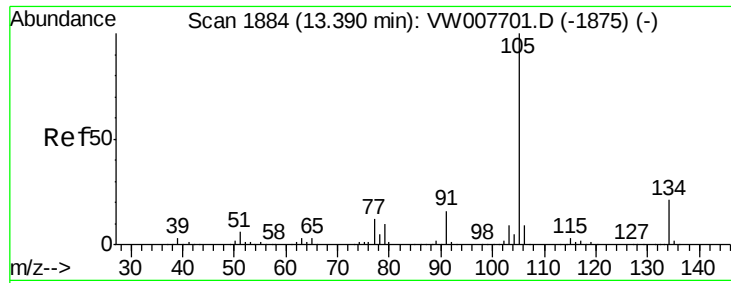
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#84
1,2,4-Trimethylbenzene
Concen: 19.645 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion:105 Resp: 90342
Ion Ratio Lower Upper
105 100
120 43.6 22.0 66.0





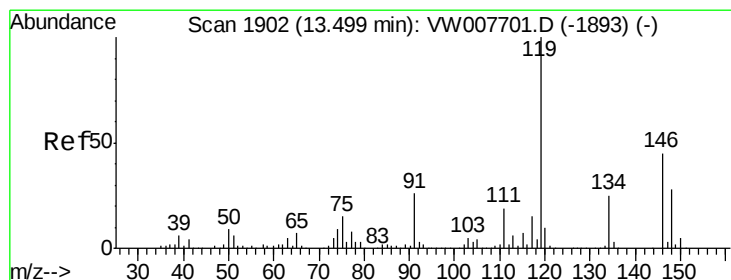
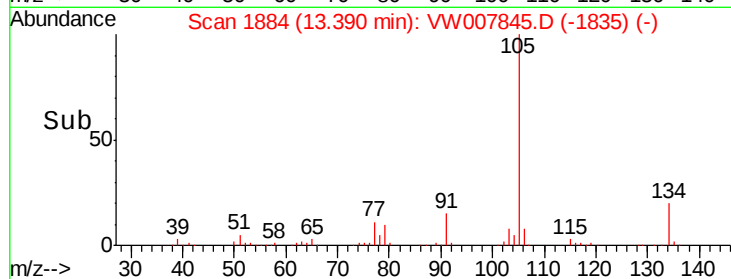
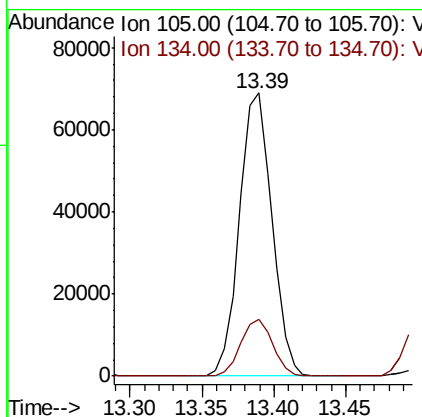
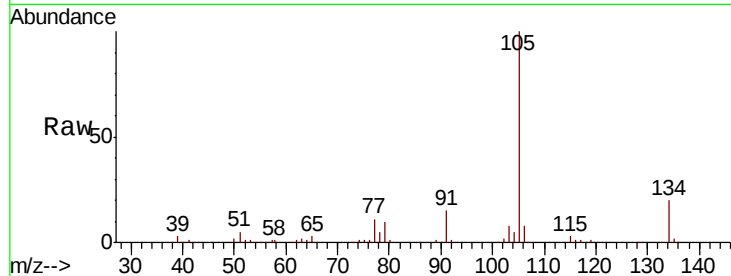
#85
 sec-Butylbenzene
 Concen: 19.646 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion:105 Resp: 108271
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.4

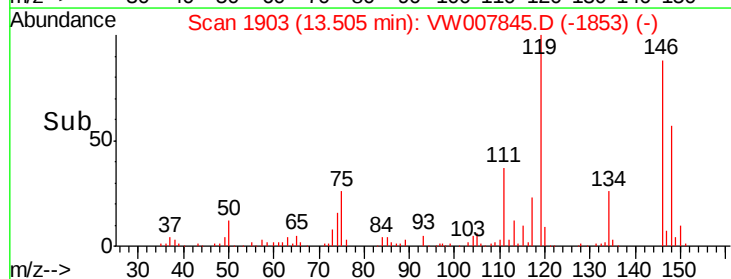
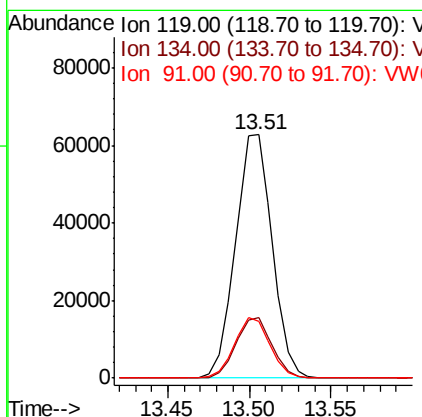
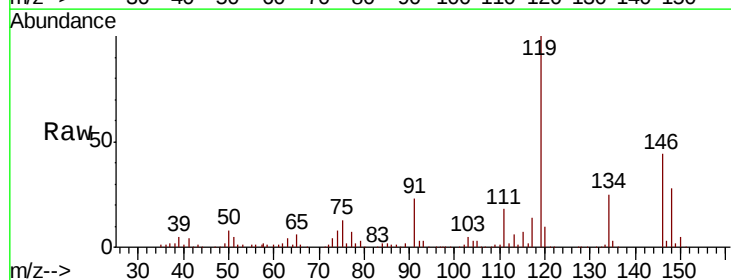
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#86
 p-Isopropyltoluene
 Concen: 19.599 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion:119 Resp: 98221
 Ion Ratio Lower Upper
 119 100
 134 24.2 13.0 39.0
 91 24.0 12.8 38.4





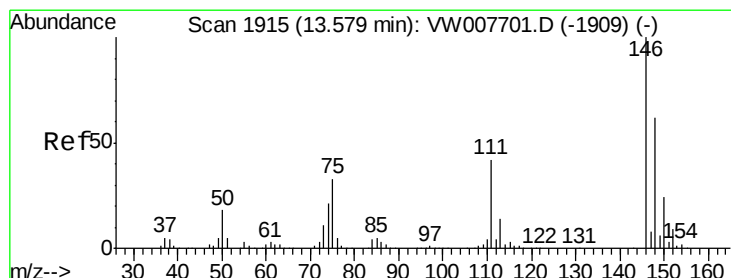
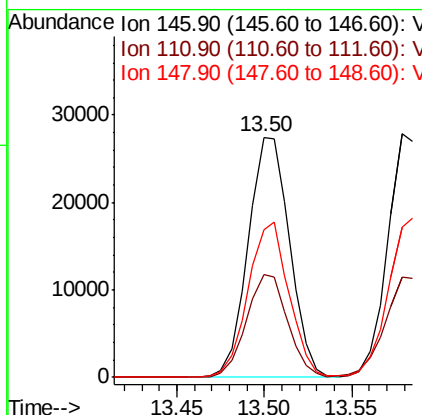
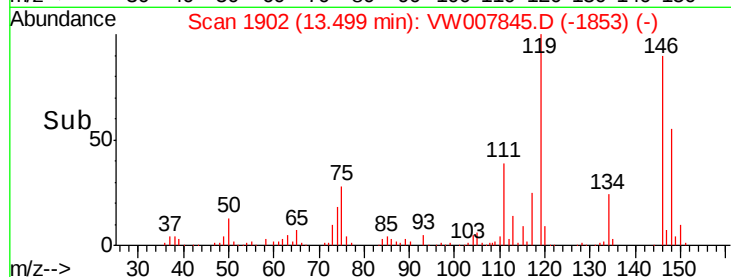
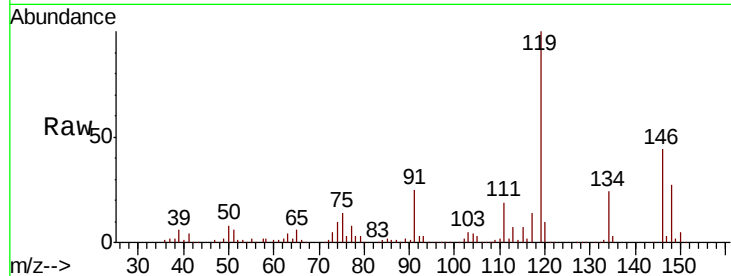
#87
 1,3-Dichlorobenzene
 Concen: 18.824 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	63.7	32.1	96.5

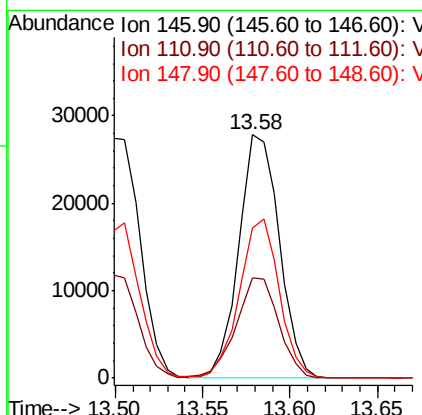
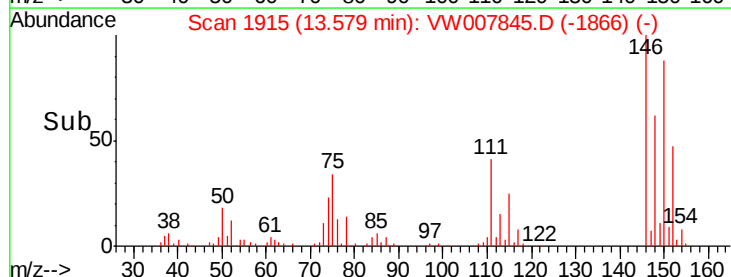
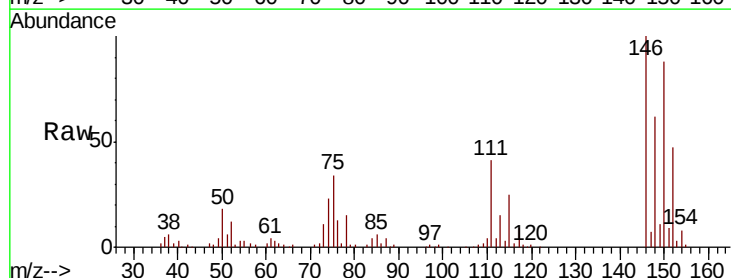
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#88
 1,4-Dichlorobenzene
 Concen: 18.689 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.0	63.0
148	64.4	31.8	95.4





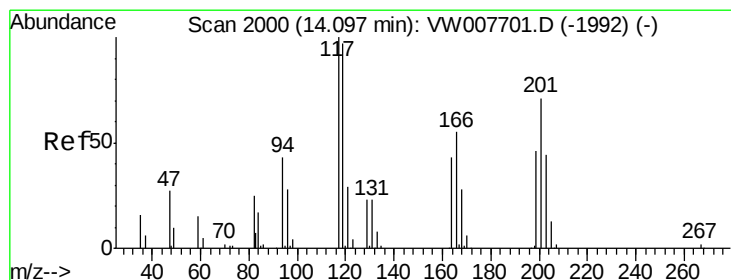
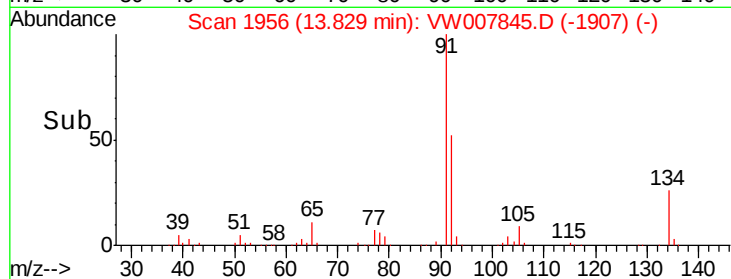
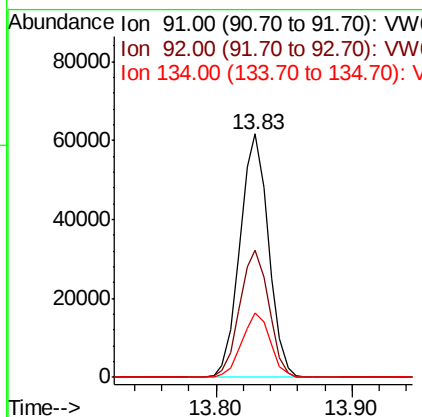
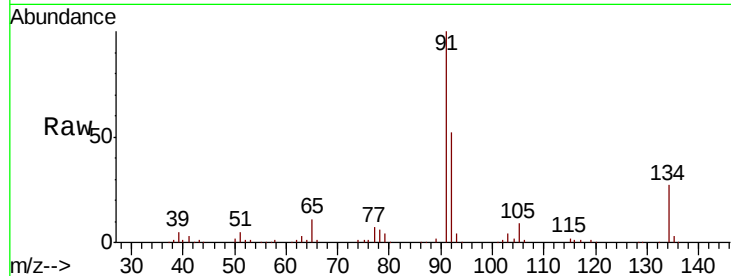
#89
n-Butylbenzene
Concen: 19.695 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	26.5	13.7	41.0

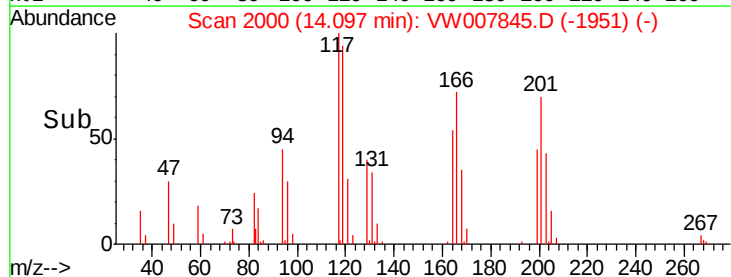
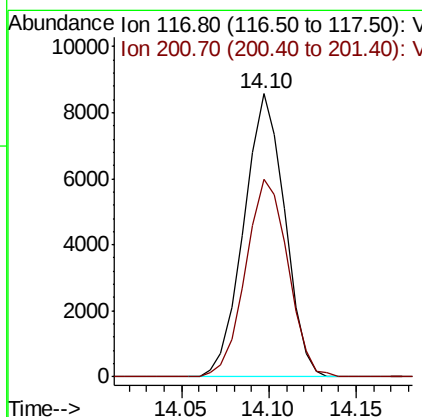
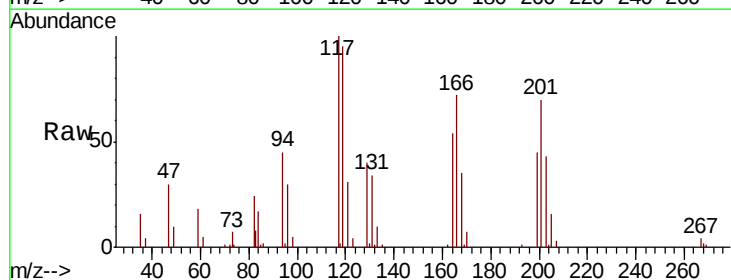
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#90
Hexachloroethane
Concen: 15.814 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	36.2	108.6





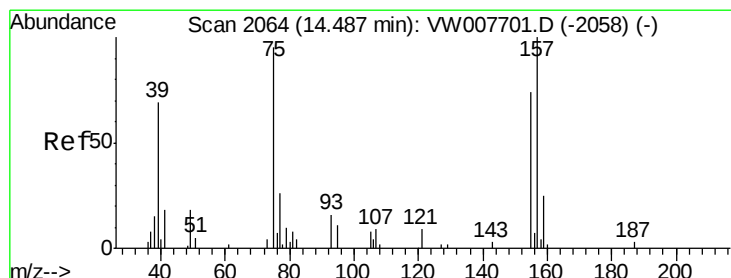
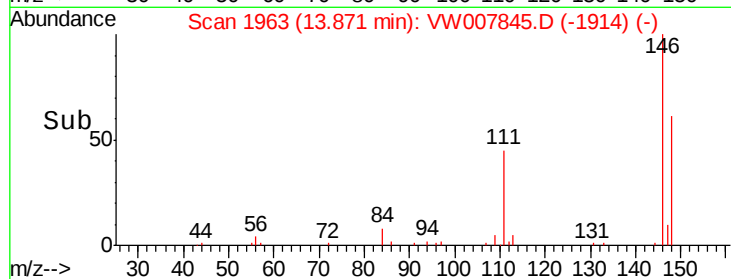
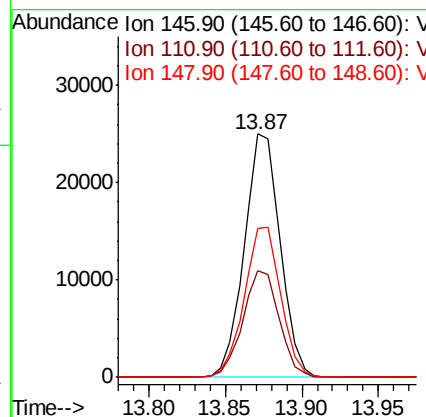
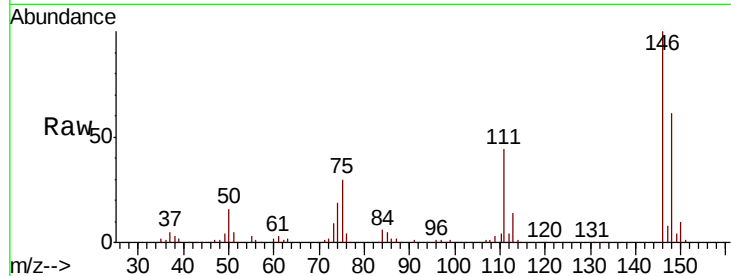
#91
 1,2-Dichlorobenzene
 Concen: 18.976 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.7	65.1
148	62.2	32.1	96.5

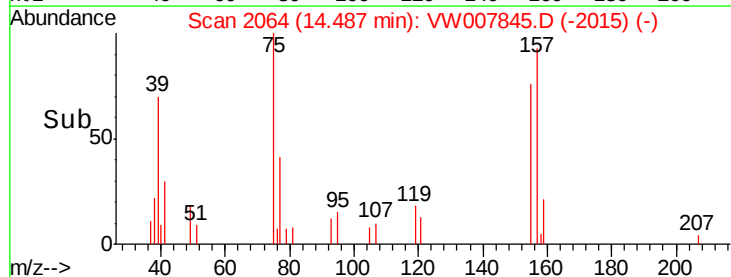
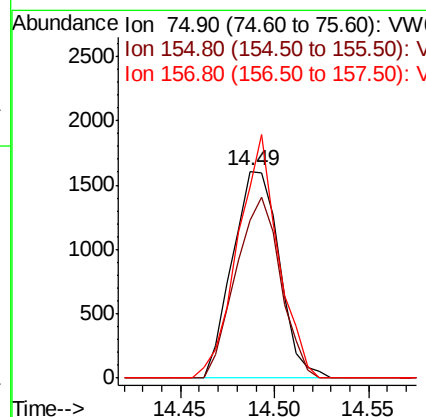
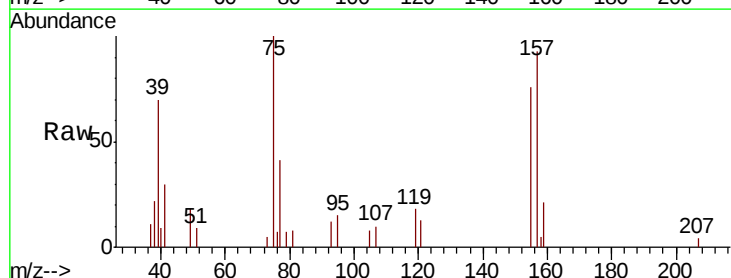
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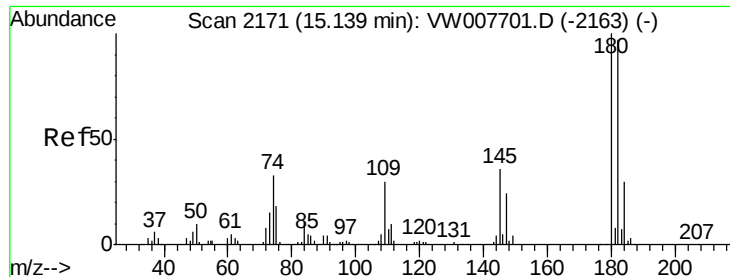
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.026 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007845.D
 Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	39.4	118.1
157	101.9	52.0	156.0





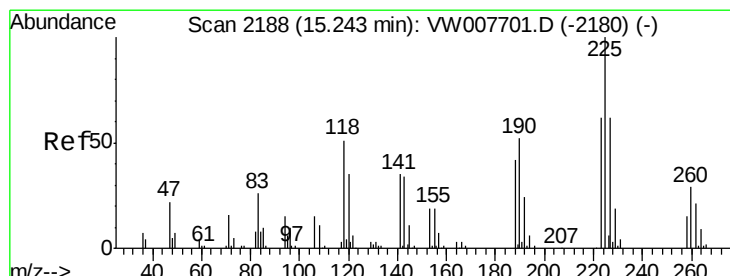
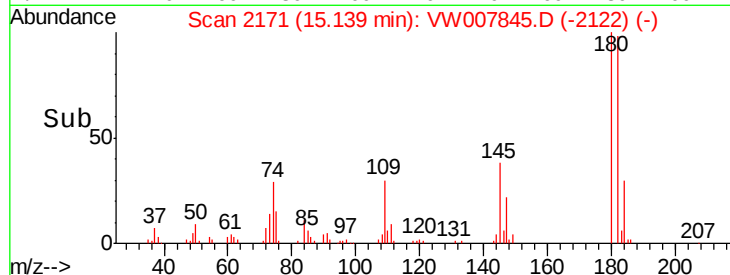
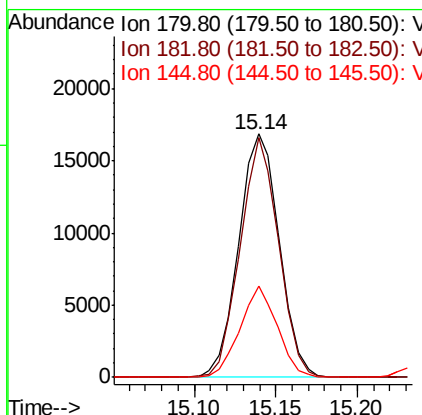
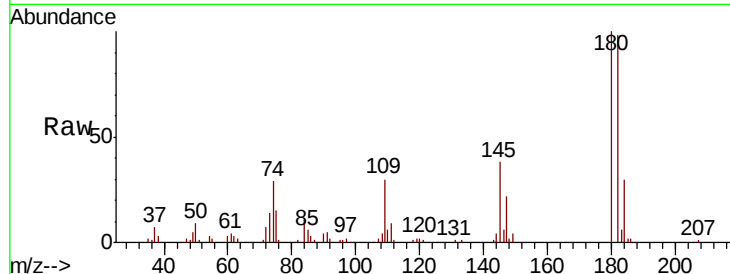
#93
1,2,4-Trichlorobenzene
Concen: 19.464 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	34.6	17.5	52.5

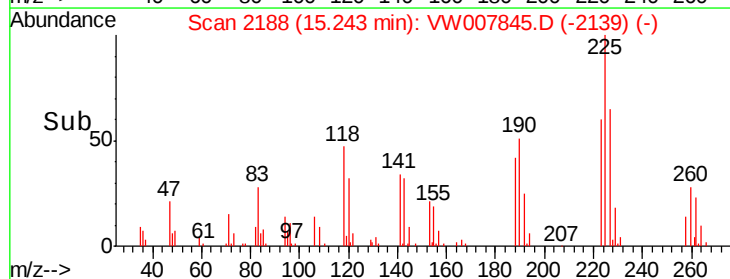
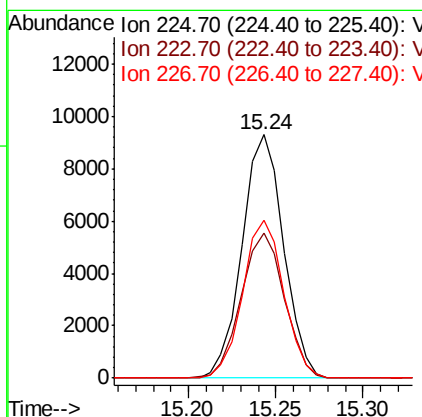
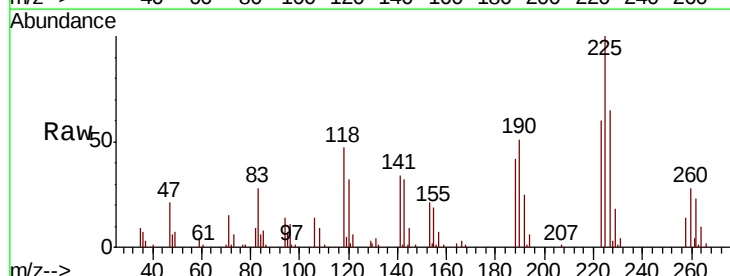
Manual Integrations
APPROVED

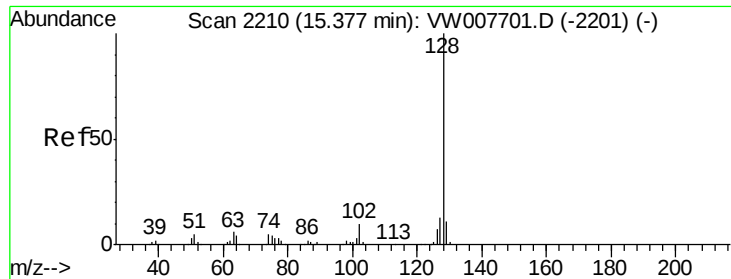
MMDadoda
12/24/2018 3:18:31 PM



#94
Hexachlorobutadiene
Concen: 19.190 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.6	94.8
227	64.3	32.1	96.3





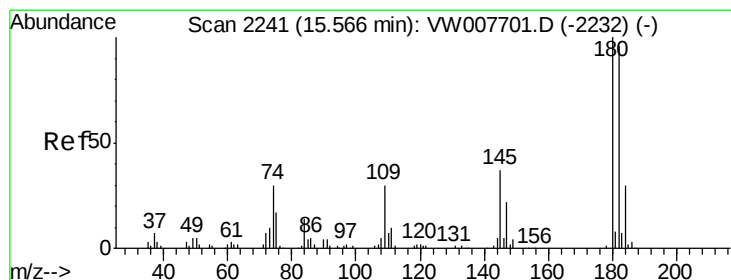
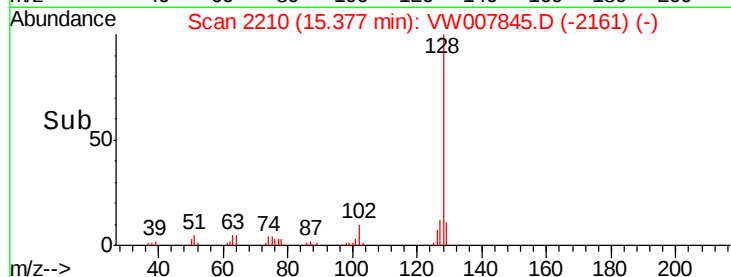
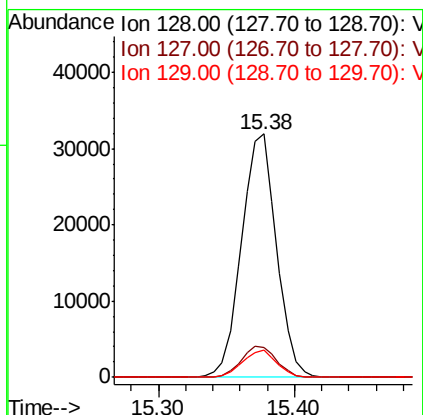
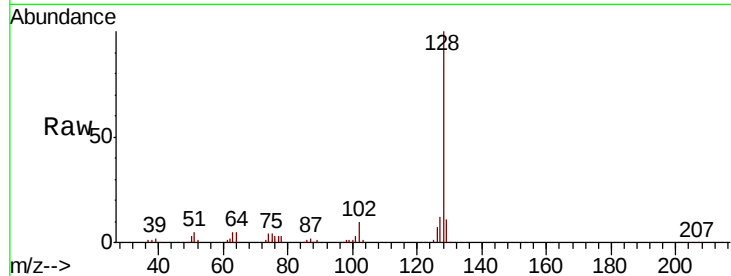
#95
Naphthalene
Concen: 20.742 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW1224SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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12/24/2018 3:18:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.966 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007845.D
Acq: 22 Dec 2018 16:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.2
145	36.7	18.4	55.0

