

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006494.D
 Acq On : 30 Oct 2018 11:59
 Operator : SY/AP
 Sample : VW1031SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/31/2018 12:31:34 PM

Quant Time: Oct 30 14:14:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	295244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	149083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	77159	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	
35) Dibromofluoromethane	7.88	113	84063	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.32	98	316844	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	12.62	95	118319	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	20213	18.974	ug/l	95
3) Chloromethane	2.21	50	27465	20.028	ug/l	96
4) Vinyl Chloride	2.37	62	42268	21.583	ug/l	99
5) Bromomethane	2.79	94	37528	21.069	ug/l	96
6) Chloroethane	2.93	64	31093	22.155	ug/l	94
7) Trichlorofluoromethane	3.26	101	39315	21.550	ug/l	96
8) Diethyl Ether	3.67	74	20851	21.505	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43867	22.944	ug/l	98
10) Methyl Iodide	4.26	142	70925	22.288	ug/l	98
11) Tert butyl alcohol	5.23	59	11120	92.640	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	41400	23.016	ug/l	94
13) Acrolein	3.89	56	10598	91.245	ug/l	96
14) Allyl chloride	4.67	41	52694	20.488	ug/l	99
15) Acrylonitrile	5.37	53	35678	102.593	ug/l	99
16) Acetone	4.14	43	45304	128.082	ug/l	90
17) Carbon Disulfide	4.37	76	103437	19.054	ug/l	100
18) Methyl Acetate	4.68	43	17795	19.812	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	54892	20.036	ug/l	99
20) Methylene Chloride	4.91	84	45866	23.422	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	45648	22.736	ug/l	96
22) Diisopropyl ether	6.31	45	106251	20.905	ug/l	98
23) Vinyl Acetate	6.26	43	289387	96.481	ug/l	99
24) 1,1-Dichloroethane	6.21	63	75698	23.082	ug/l	99
25) 2-Butanone	7.18	43	52642	109.180	ug/l	97
26) 2,2-Dichloropropane	7.17	77	52240	22.585	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	51170	23.095	ug/l	98
28) Bromochloromethane	7.51	49	22567	17.824	ug/l	91
29) Tetrahydrofuran	7.54	42	28103	94.824	ug/l	99
30) Chloroform	7.68	83	82078	22.971	ug/l	100
31) Cyclohexane	7.95	56	67238	20.588	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	73645	22.849	ug/l	99
36) 1,1-Dichloropropene	8.09	75	65458	24.054	ug/l	99
37) Ethyl Acetate	7.26	43	21267	21.034	ug/l	99
38) Carbon Tetrachloride	8.07	117	70485	23.627	ug/l	99

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Quant Time: Oct 30 14:14:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82397	22.778	ug/l	99
40) Benzene	8.32	78	180243	24.146	ug/l	100
41) Methacrylonitrile	7.49	41	13098	21.489	ug/l	98
42) 1,2-Dichloroethane	8.40	62	49938	22.770	ug/l	98
43) Isopropyl Acetate	8.43	43	40914	19.791	ug/l	97
44) Trichloroethene	9.09	130	56477	24.660	ug/l	96
45) 1,2-Dichloropropane	9.37	63	41656	23.320	ug/l	100
46) Dibromomethane	9.46	93	23315	22.901	ug/l	97
47) Bromodichloromethane	9.65	83	55468	22.472	ug/l	98
48) Methyl methacrylate	9.44	41	19160	19.553	ug/l	93
49) 1,4-Dioxane	9.48	88	6678	426.079	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	106466	102.787	ug/l	98
52) Toluene	10.39	92	121165	24.211	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	52953	21.532	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	62537	22.157	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	32925	23.110	ug/l	98
56) Ethyl methacrylate	10.65	69	35258	20.187	ug/l	98
57) 1,3-Dichloropropane	10.93	76	54160	22.964	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	71143	106.600	ug/l	98
59) 2-Hexanone	10.98	43	79681	107.767	ug/l	98
60) Dibromochloromethane	11.13	129	39292	22.141	ug/l	98
61) 1,2-Dibromoethane	11.24	107	32635	22.925	ug/l	98
64) Tetrachloroethene	10.87	164	50658	24.538	ug/l	98
65) Chlorobenzene	11.66	112	139782	24.554	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	48749	24.096	ug/l	99
67) Ethyl Benzene	11.73	91	239428	24.268	ug/l	99
68) m/p-Xylenes	11.84	106	189008	48.469	ug/l	97
69) o-Xylene	12.17	106	88318	23.764	ug/l	99
70) Styrene	12.18	104	142838	23.635	ug/l	99
71) Bromoform	12.35	173	23630	20.940	ug/l #	99
73) Isopropylbenzene	12.47	105	251303	23.860	ug/l	100
74) N-amyl acetate	12.28	43	39105	19.116	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	35796	22.346	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	27811m	24.423	ug/l	
77) Bromobenzene	12.75	156	61980	24.026	ug/l	96
78) n-propylbenzene	12.81	91	293645	23.964	ug/l	99
79) 2-Chlorotoluene	12.90	91	162152	23.553	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	211211	23.788	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9407	19.747	ug/l	96
82) 4-Chlorotoluene	12.99	91	171938	23.841	ug/l	100
83) tert-Butylbenzene	13.21	119	190057	23.925	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	214180	23.838	ug/l	100
85) sec-Butylbenzene	13.39	105	271553	24.197	ug/l	99
86) p-Isopropyltoluene	13.51	119	243248	23.963	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	125188	24.384	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	123611	24.182	ug/l	100
89) n-Butylbenzene	13.83	91	223284	24.052	ug/l	99
90) Hexachloroethane	14.10	117	38860	22.601	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	109658	23.945	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5510	19.211	ug/l	94

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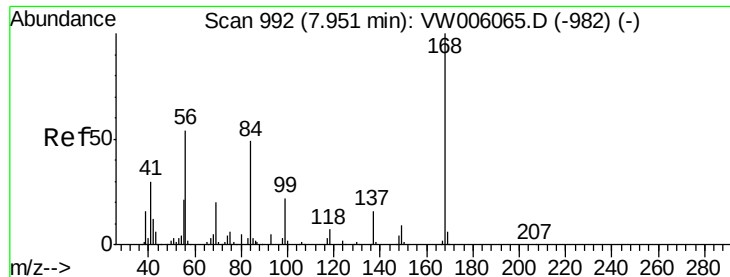
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82452	23.399	ug/l	99
94) Hexachlorobutadiene	15.24	225	54634	24.682	ug/l	99
95) Naphthalene	15.38	128	121463	20.722	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	69940	22.948	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion:168 Resp: 215279

Ion Ratio Lower Upper

168 100

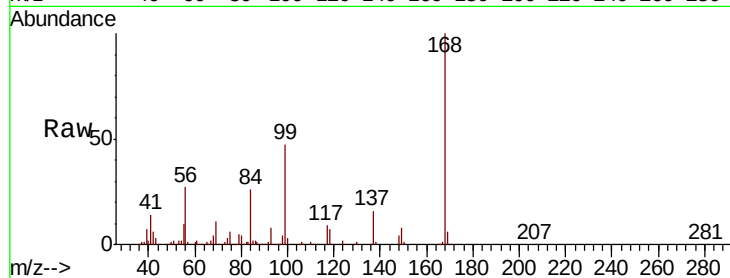
99 47.1 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

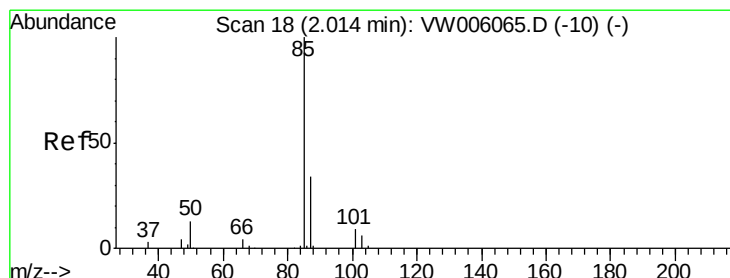
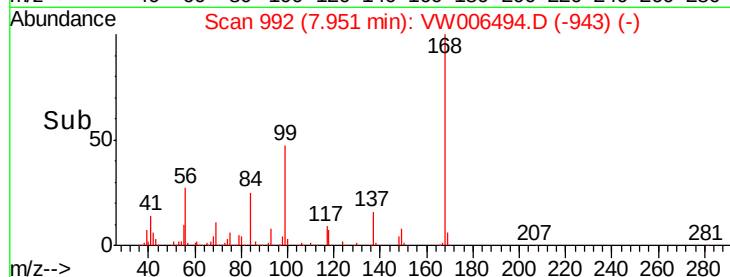
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.974 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006494.D

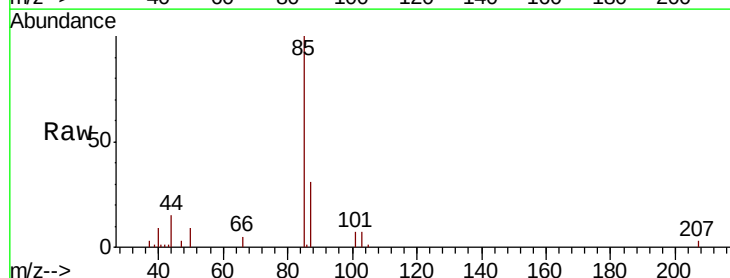
Acq: 30 Oct 2018 11:59

Tgt Ion: 85 Resp: 20213

Ion Ratio Lower Upper

85 100

87 30.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

3000

2000

1000

0

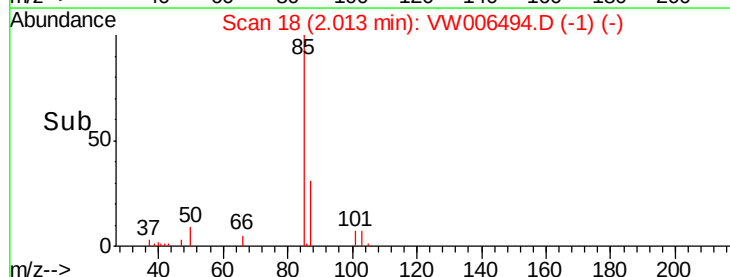
1.90

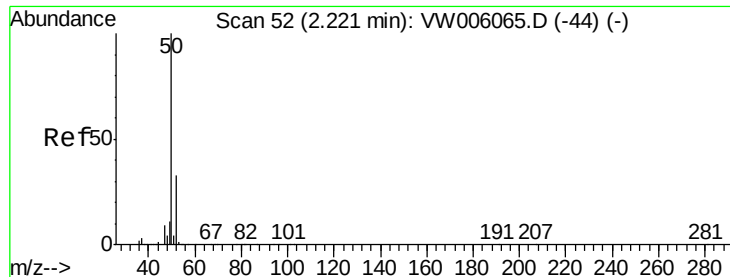
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 20.028 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 50 Resp: 27465

Ion Ratio Lower Upper

50 100

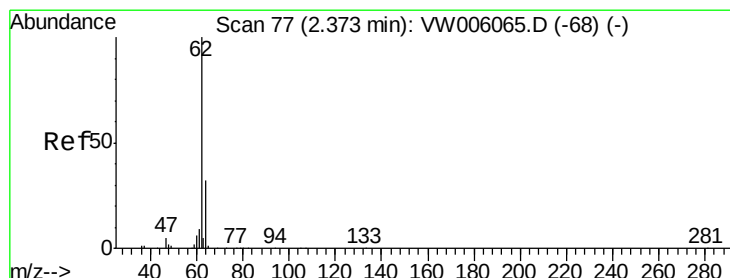
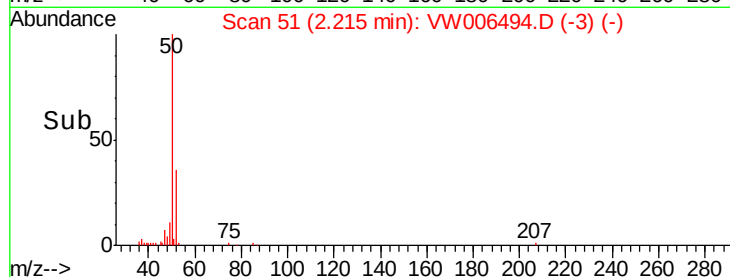
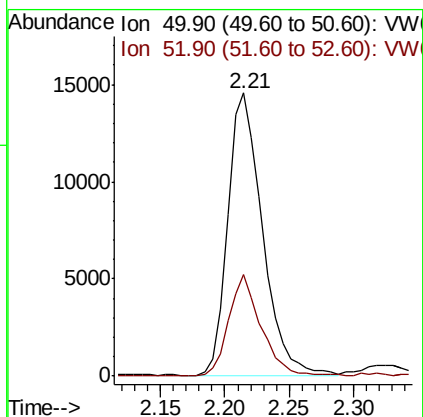
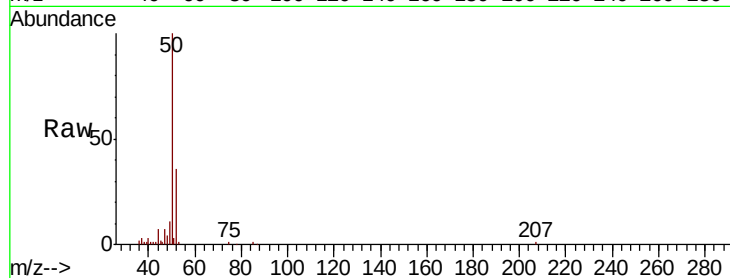
52 36.0 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.583 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006494.D

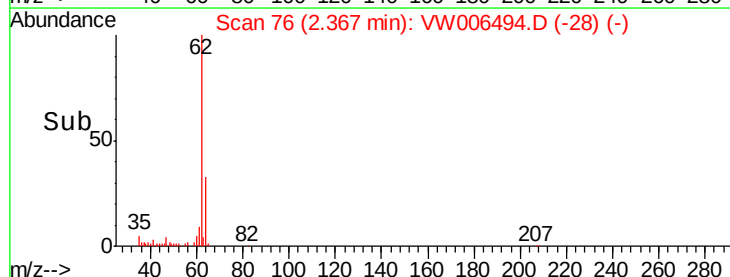
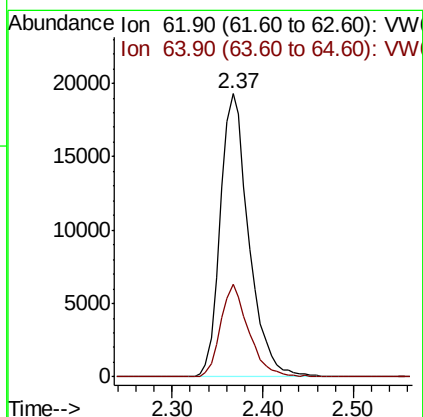
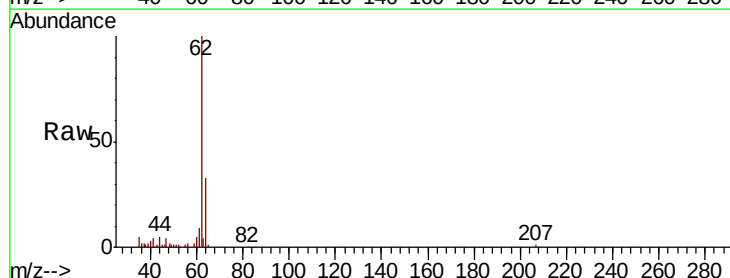
Acq: 30 Oct 2018 11:59

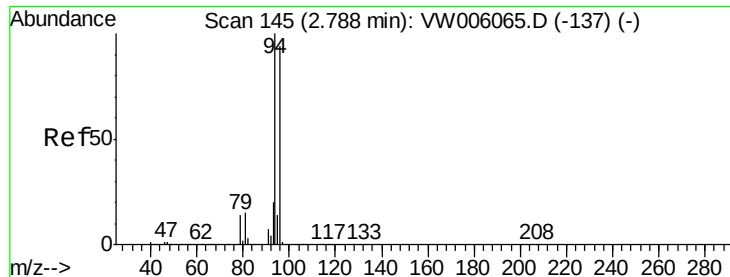
Tgt Ion: 62 Resp: 42268

Ion Ratio Lower Upper

62 100

64 32.7 25.9 38.9





#5

Bromomethane

Concen: 21.069 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 94 Resp: 37528

Ion Ratio Lower Upper

94 100

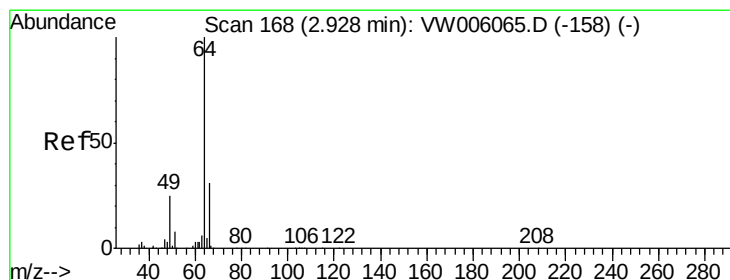
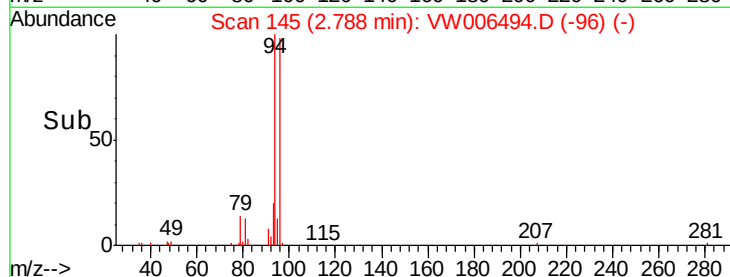
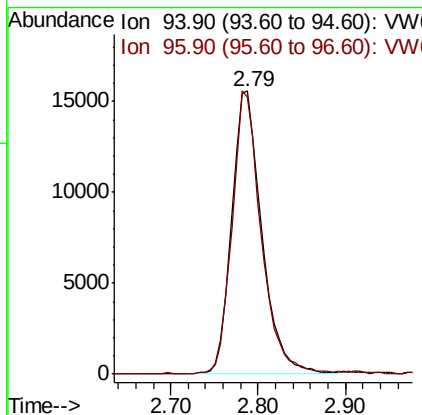
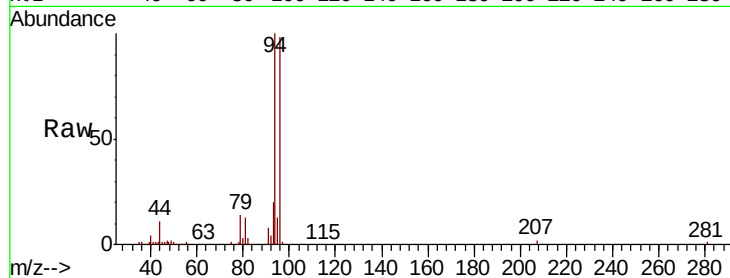
96 97.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 22.155 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006494.D

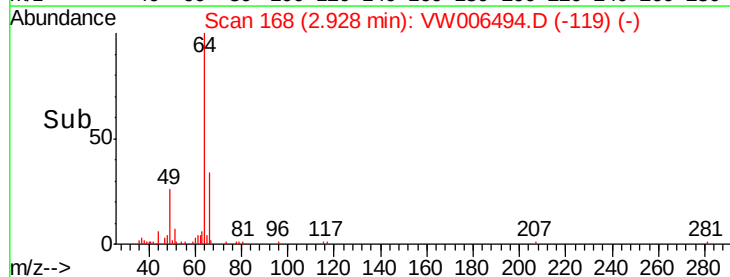
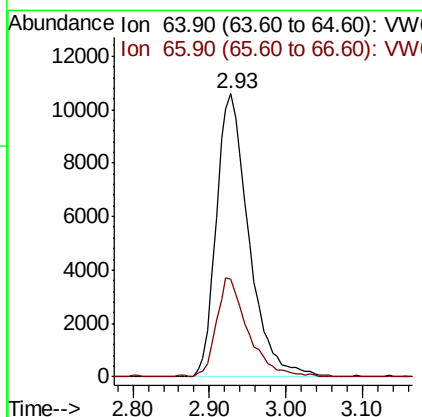
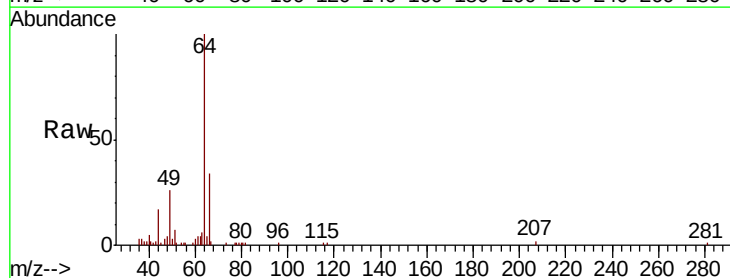
Acq: 30 Oct 2018 11:59

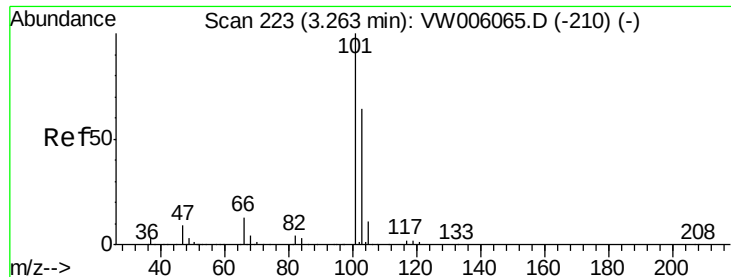
Tgt Ion: 64 Resp: 31093

Ion Ratio Lower Upper

64 100

66 34.4 24.9 37.3





#7

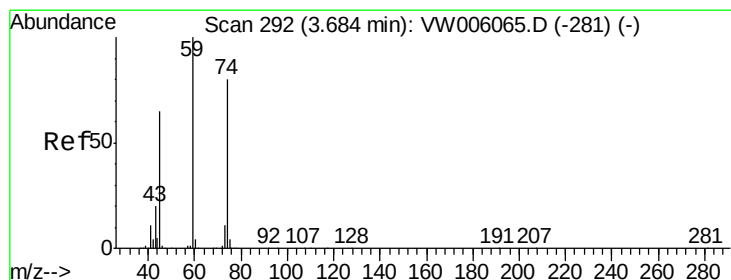
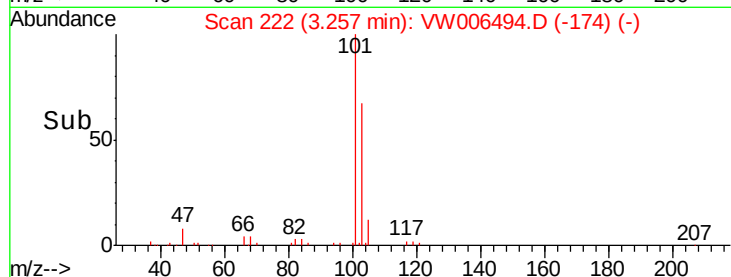
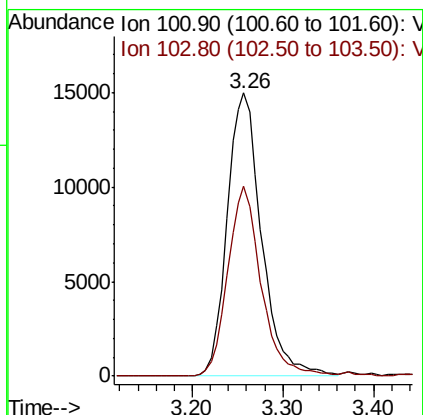
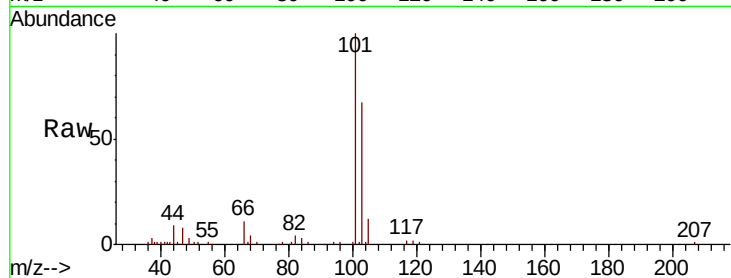
Trichlorofluoromethane
Concen: 21.550 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
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VW1031SBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	39315		
103	67.1	51.2	76.8	

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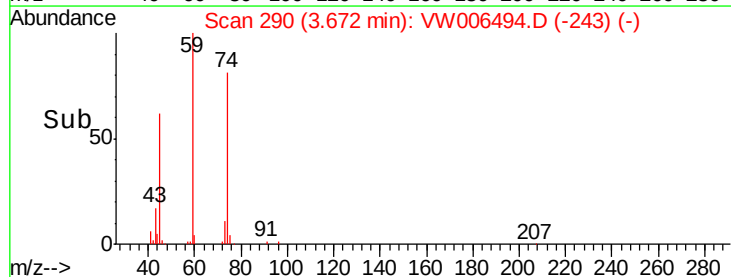
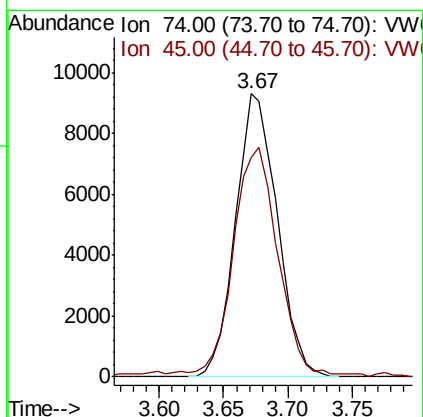
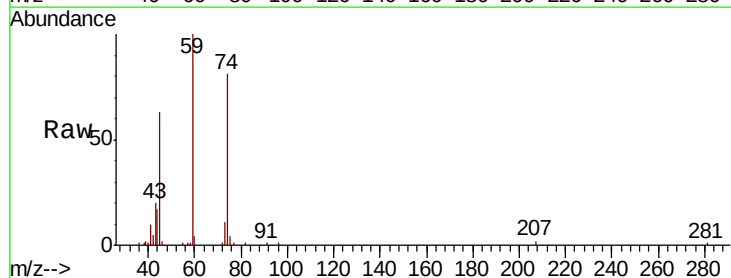
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10/31/2018 12:31:34 PM

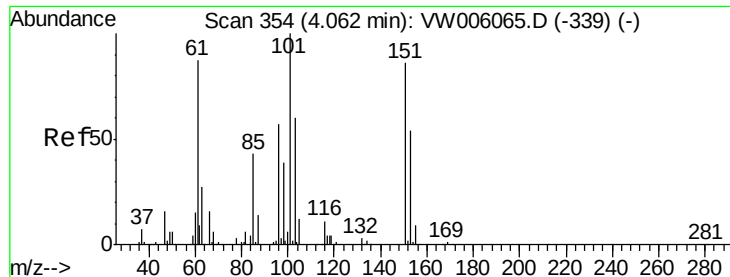


#8

Diethyl Ether
Concen: 21.505 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	20851		
45	84.8	42.8	128.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.944 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

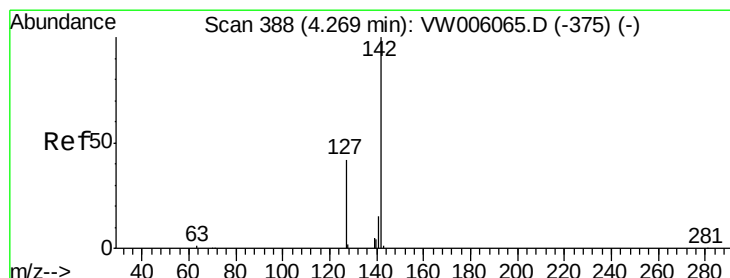
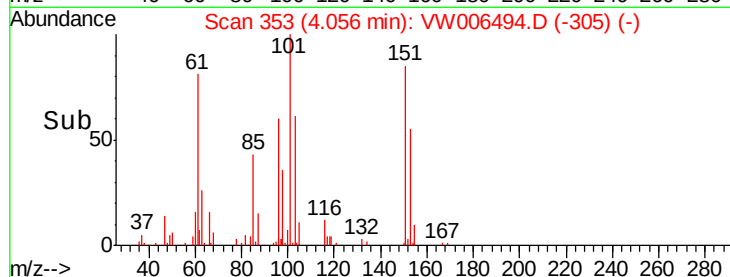
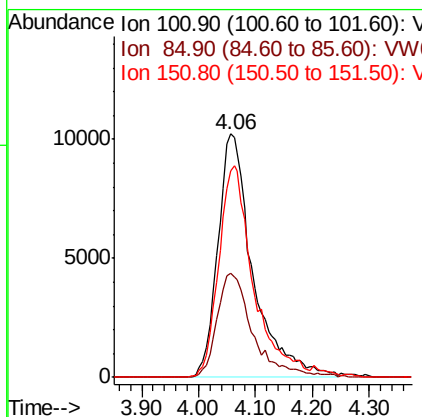
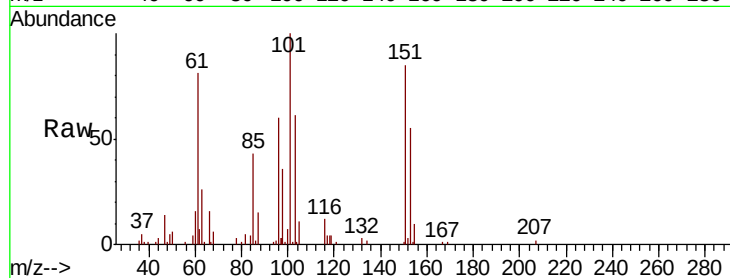
ClientSampleId :

VW1031SBS02

Tot Ion:	101	Resp:	43867
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.9	52.3
151	85.7	70.4	105.6

Manual Integrations
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#10

Methyl Iodide

Concen: 22.288 ug/l

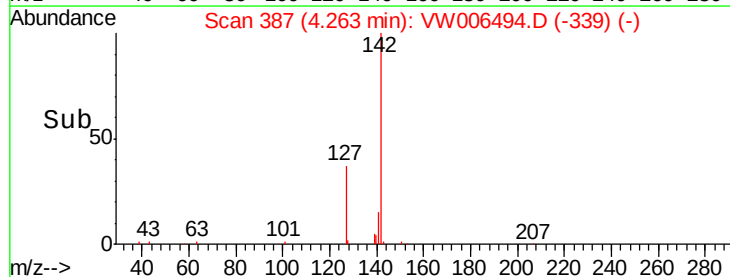
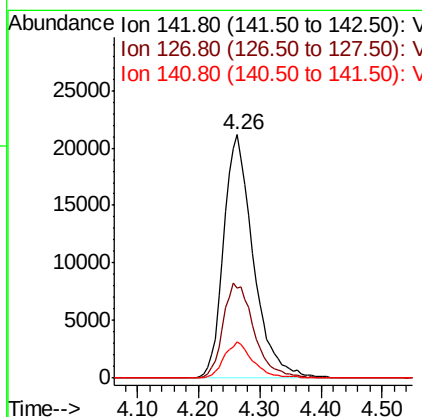
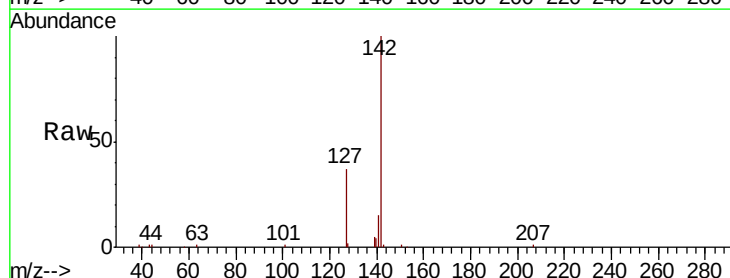
RT: 4.26 min Scan# 387

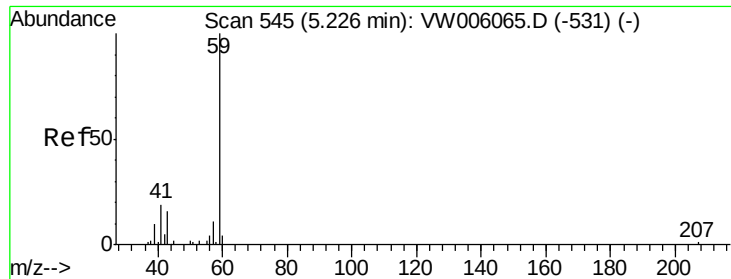
Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion:	142	Resp:	70925
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.6	50.4
141	14.3	11.6	17.4





#11

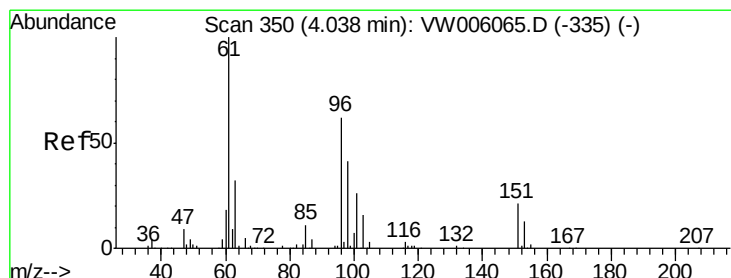
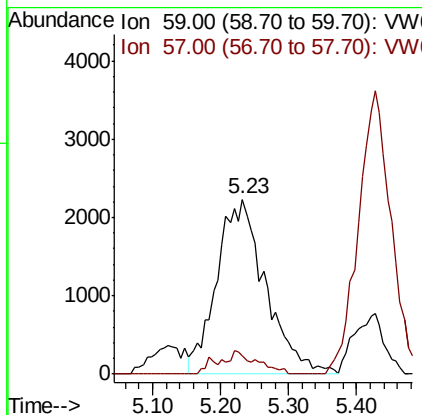
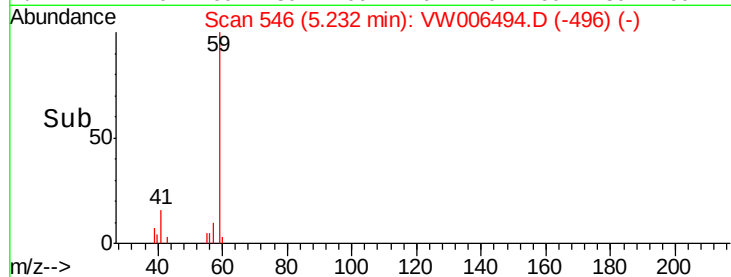
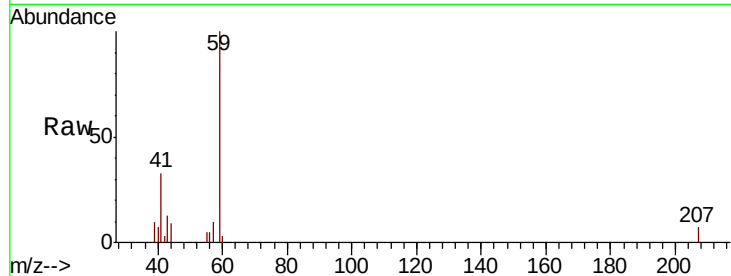
Tert butyl alcohol
 Concen: 92.640 ug/l
 RT: 5.23 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.7	13.1#

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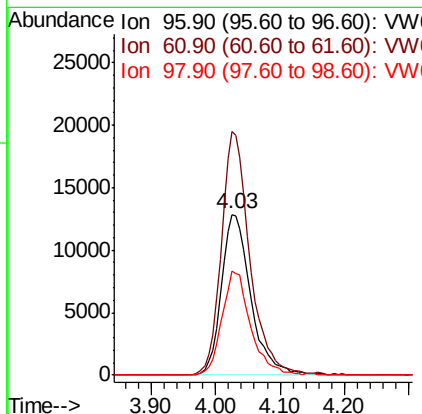
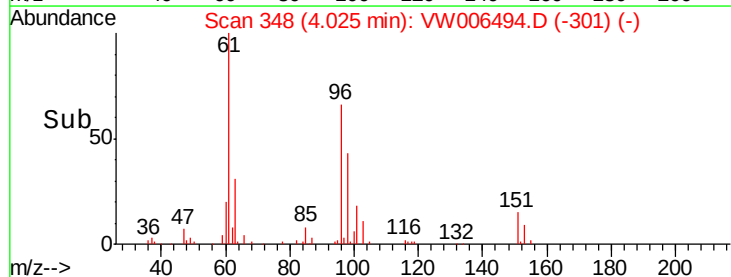
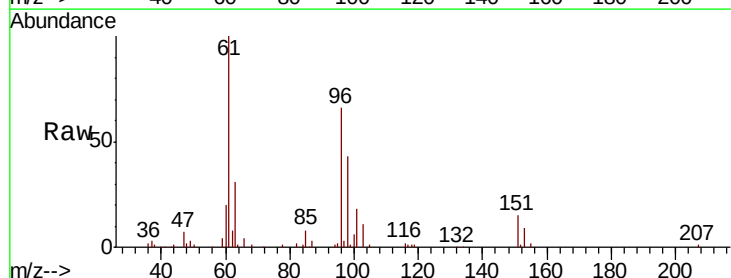
MMDadoda
 10/31/2018 12:31:34 PM

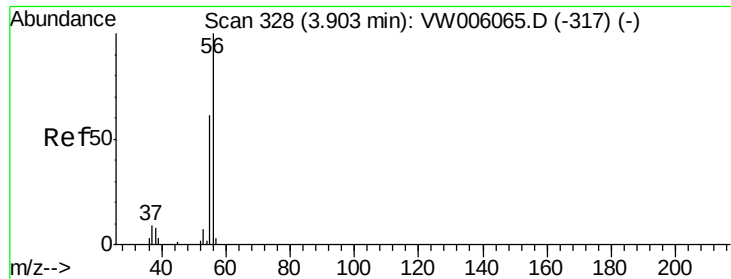


#12

1,1-Dichloroethene
 Concen: 23.016 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.3	129.3	193.9
98	64.5	53.1	79.7





#13

Acrolein

Concen: 91.245 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 56 Resp: 10598

Ion Ratio Lower Upper

56 100

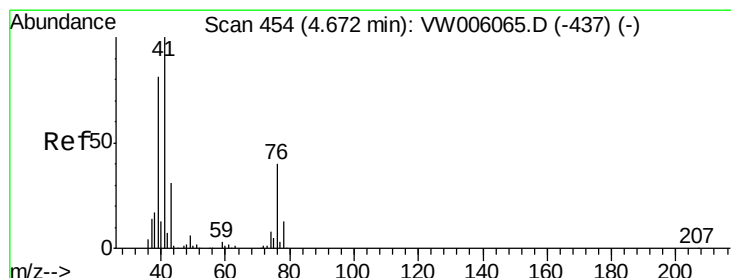
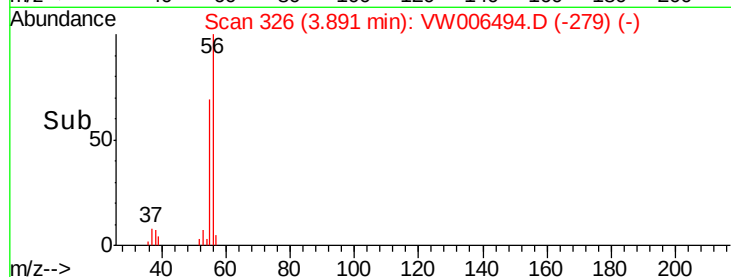
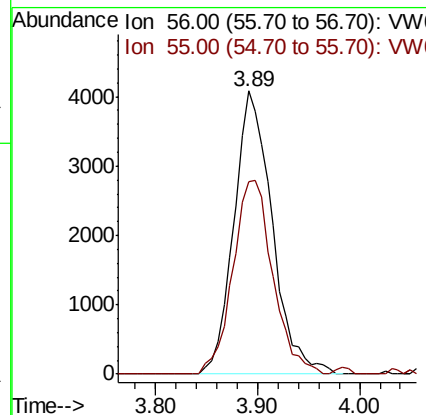
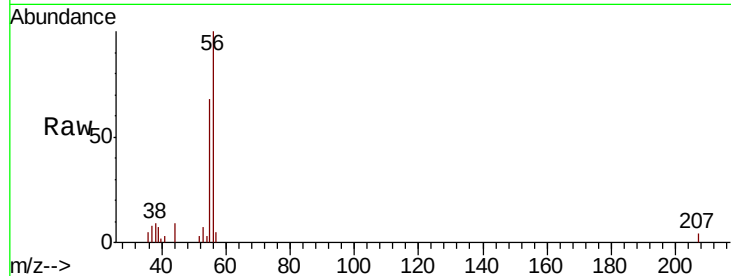
55 71.5 54.5 81.7

Manual Integrations

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#14

Allyl chloride

Concen: 20.488 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

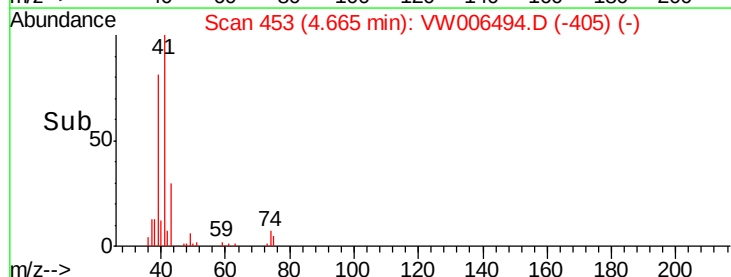
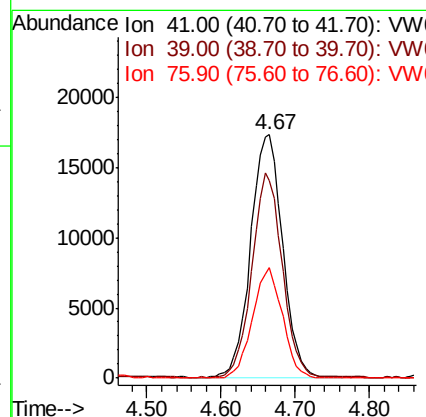
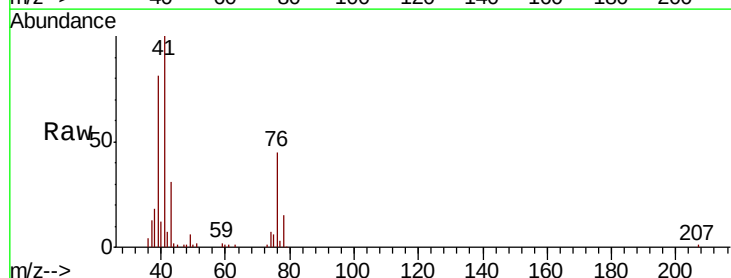
Tgt Ion: 41 Resp: 52694

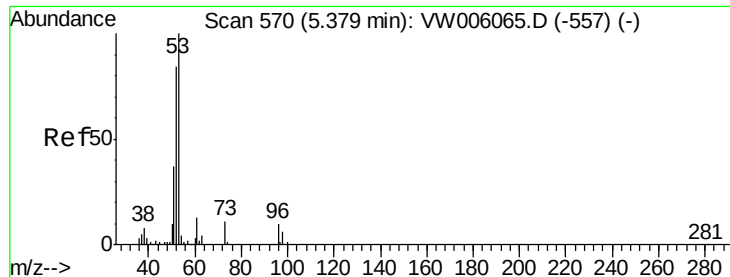
Ion Ratio Lower Upper

41 100

39 80.0 64.1 96.1

76 42.1 32.2 48.4





#15

Acrylonitrile

Concen: 102.593 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

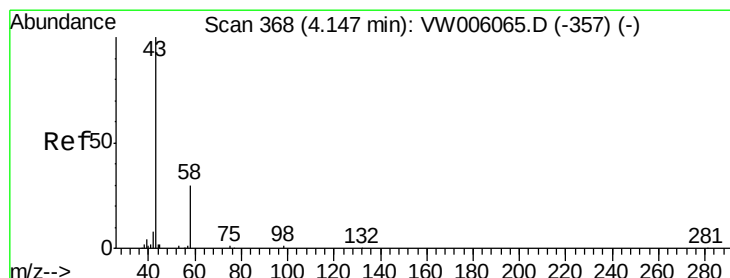
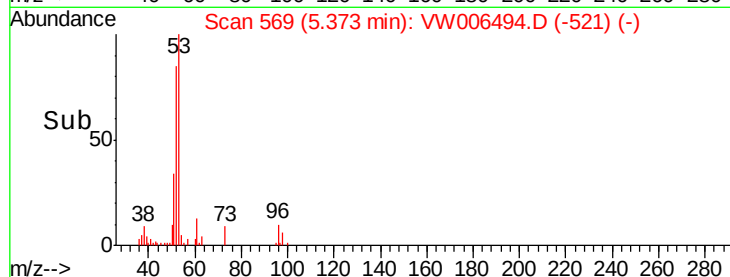
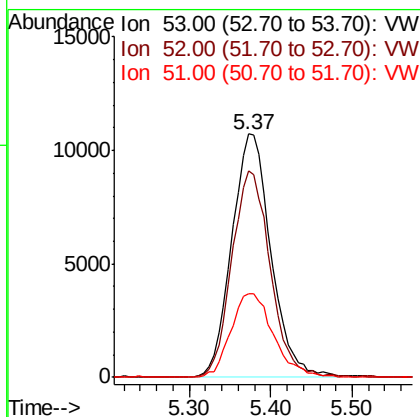
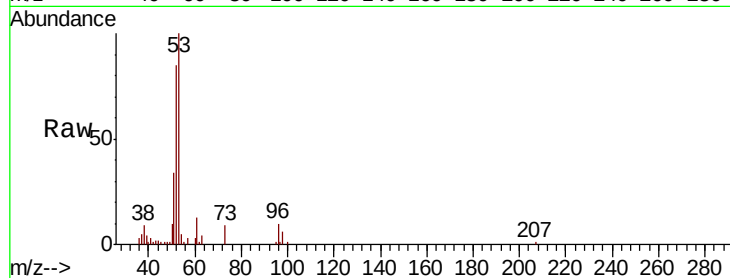
ClientSampleId :

VW1031SBS02

Tot Ion:	53	Resp:	35678
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.9	100.3
51	37.5	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 128.082 ug/l

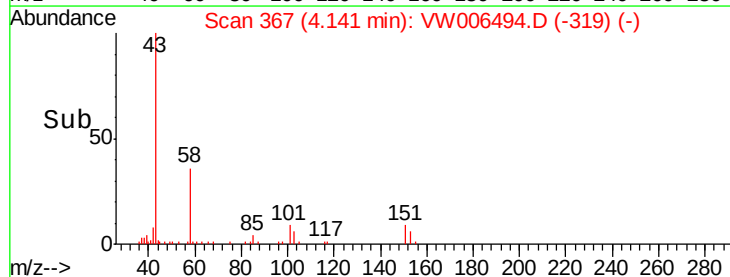
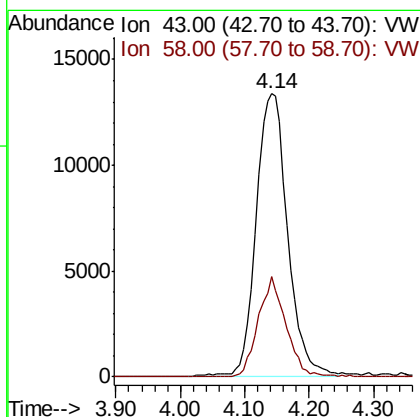
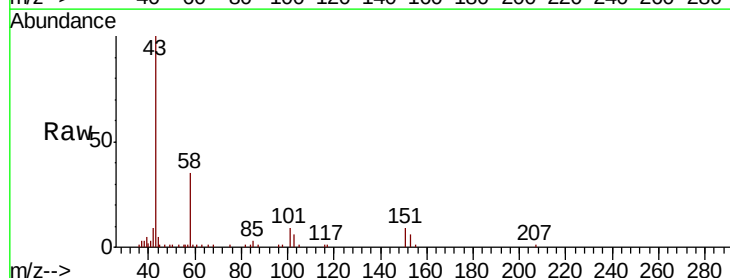
RT: 4.14 min Scan# 367

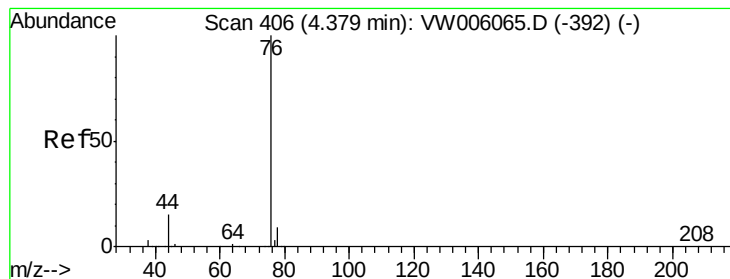
Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion:	43	Resp:	45304
Ion	Ratio	Lower	Upper
43	100		
58	35.3	24.0	36.0





#17

Carbon Disulfide

Concen: 19.054 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 76 Resp: 103437

Ion Ratio Lower Upper

76 100

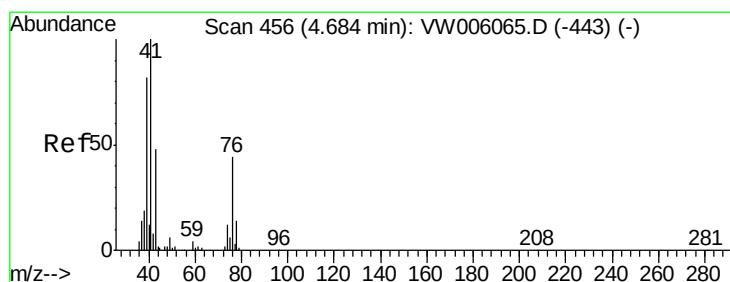
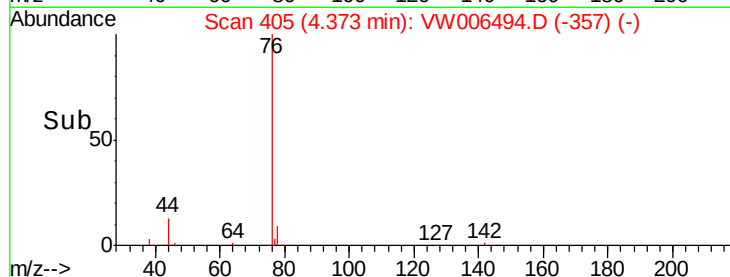
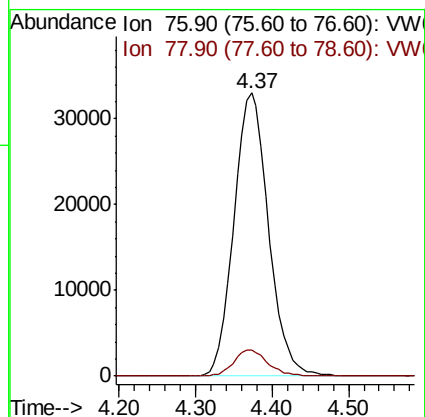
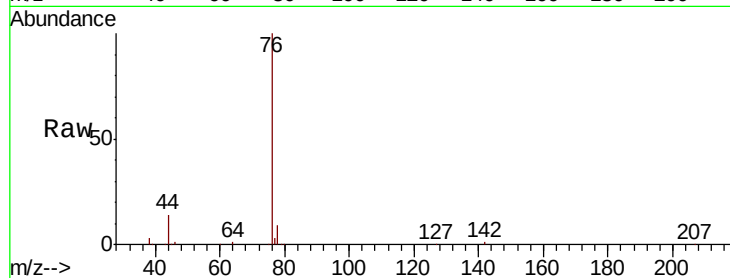
78 9.4 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 19.812 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006494.D

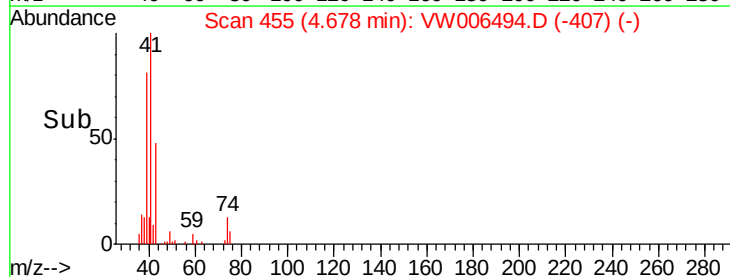
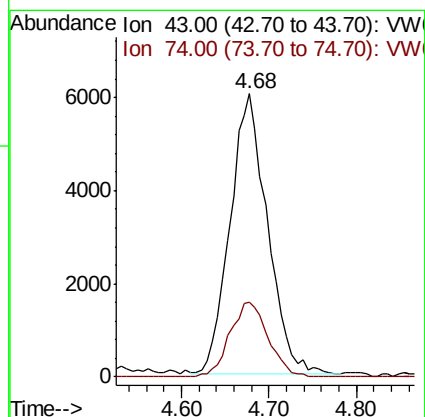
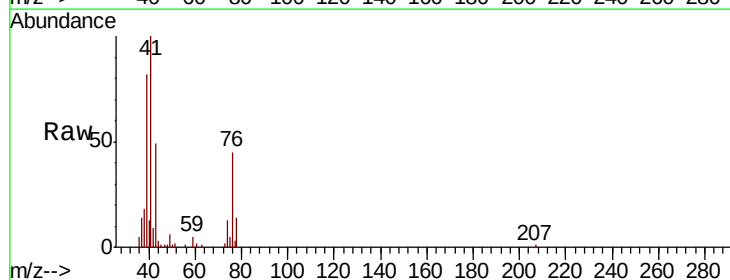
Acq: 30 Oct 2018 11:59

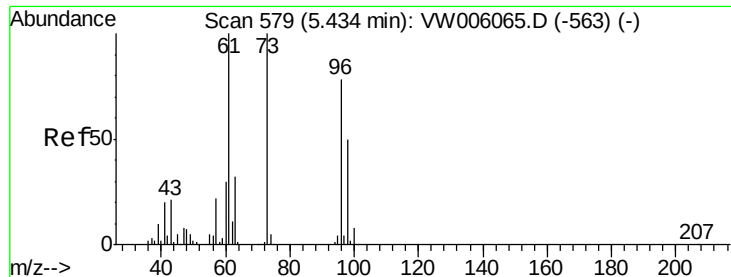
Tgt Ion: 43 Resp: 17795

Ion Ratio Lower Upper

43 100

74 27.4 20.5 30.7





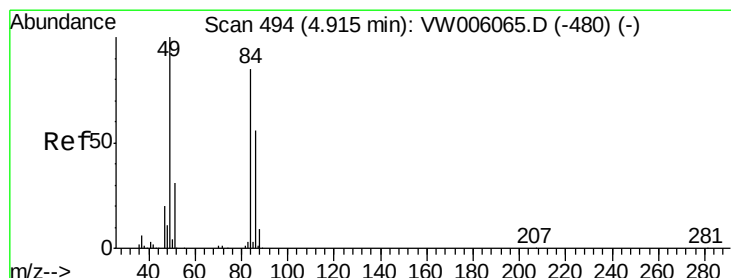
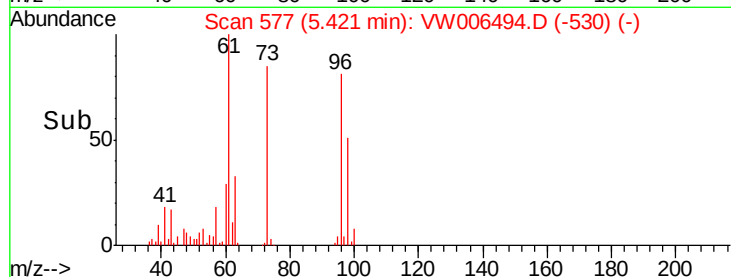
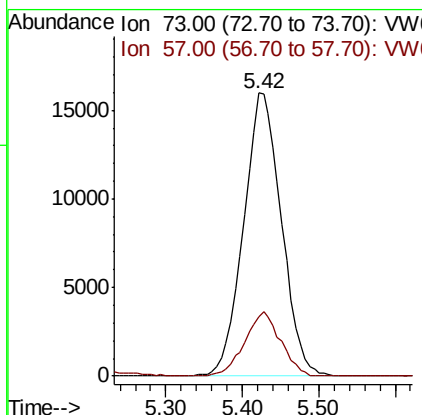
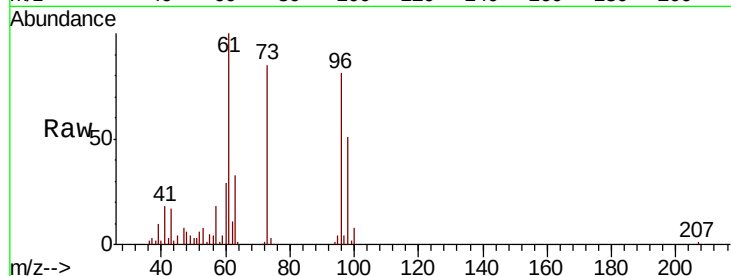
#19
Methyl tert-butyl Ether
Concen: 20.036 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.2

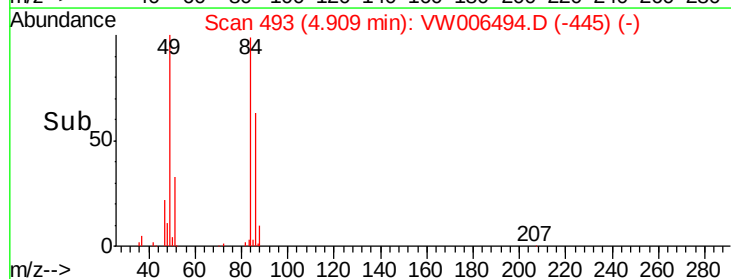
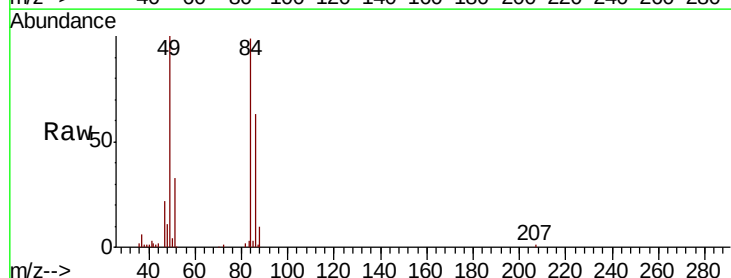
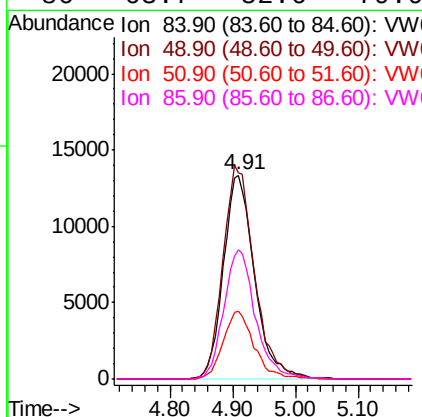
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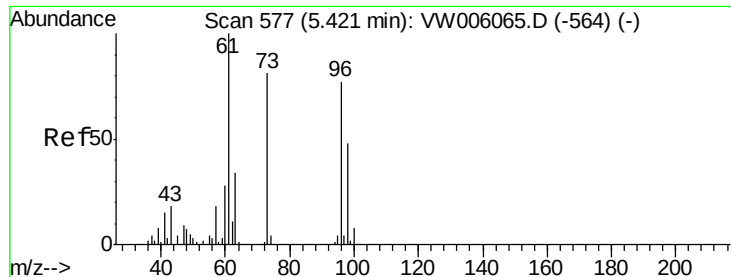
MMDadoda
10/31/2018 12:31:34 PM



#20
Methylene Chloride
Concen: 23.422 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	101.3	93.6	140.4
51	33.5	29.0	43.4
86	63.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 22.736 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

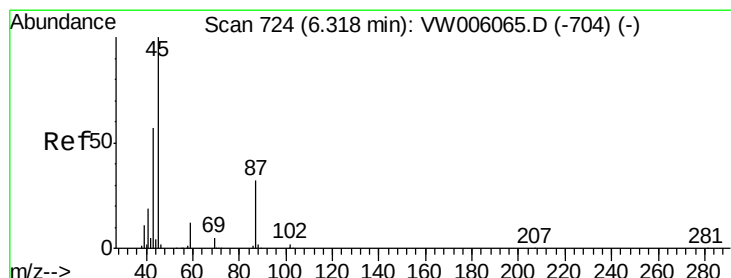
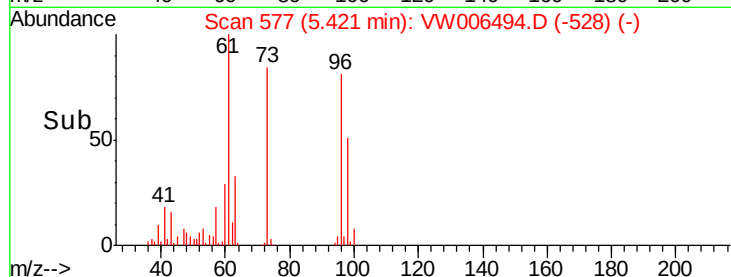
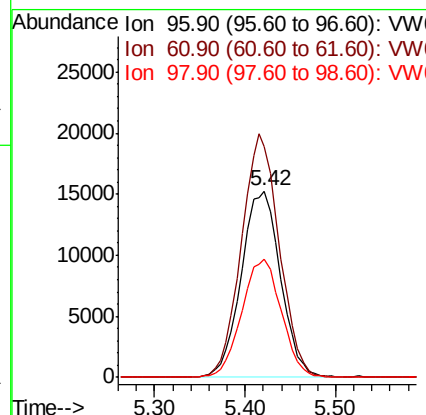
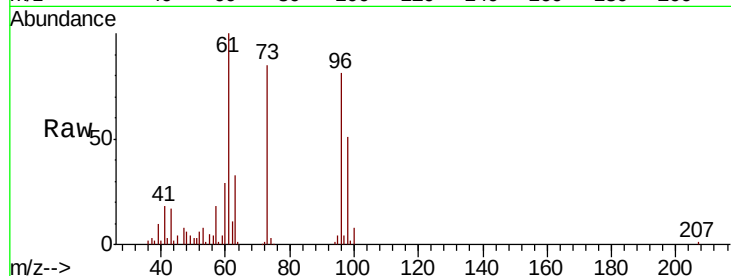
ClientSampled :

VW1031SBS02

Tot Ion:	96	Resp:	45648
Ion	Ratio	Lower	Upper
96	100		
61	123.5	104.5	156.7
98	63.5	50.6	75.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.905 ug/l

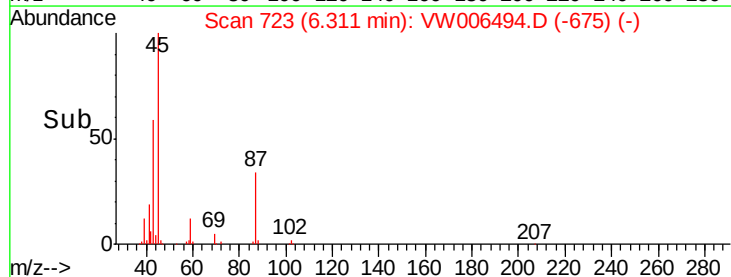
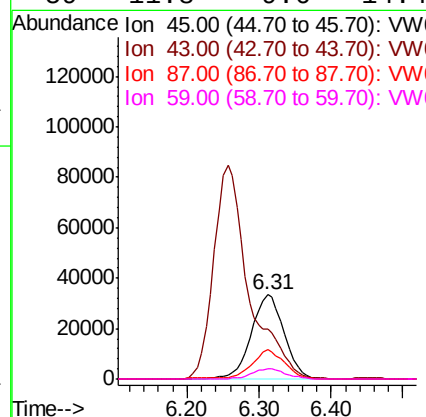
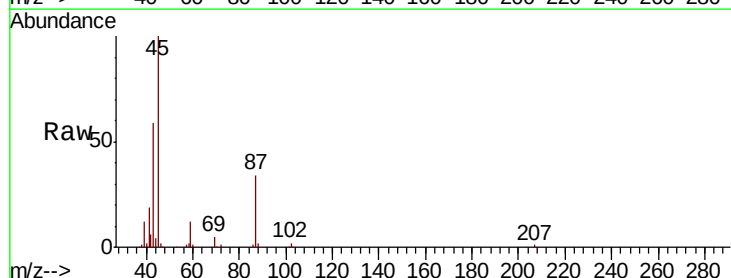
RT: 6.31 min Scan# 723

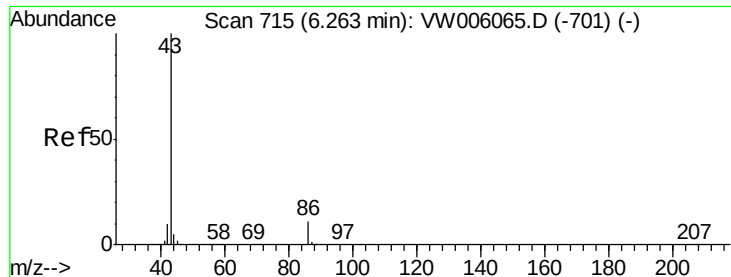
Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion:	45	Resp:	106251
Ion	Ratio	Lower	Upper
45	100		
43	58.0	45.7	68.5
87	34.2	25.9	38.9
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 96.481 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 43 Resp: 289387

Ion Ratio Lower Upper

43 100

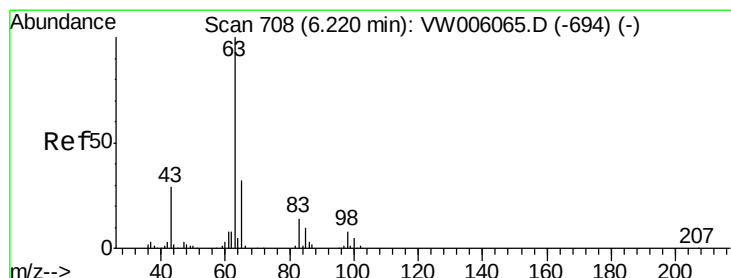
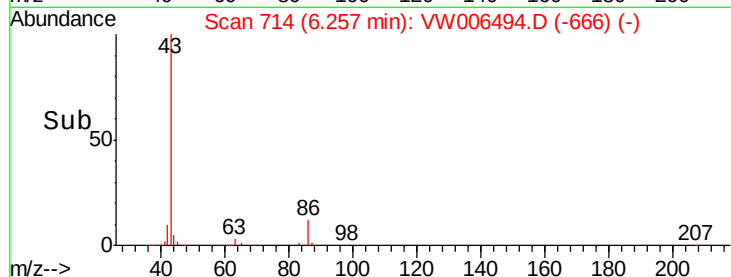
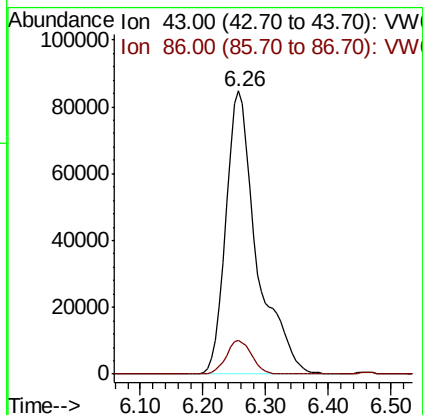
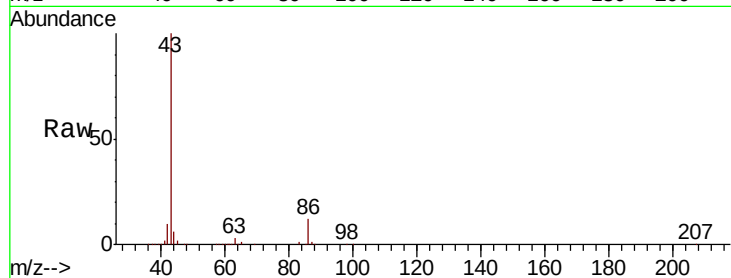
86 11.8 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.082 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

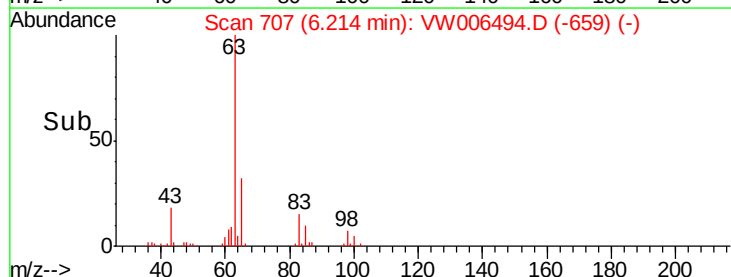
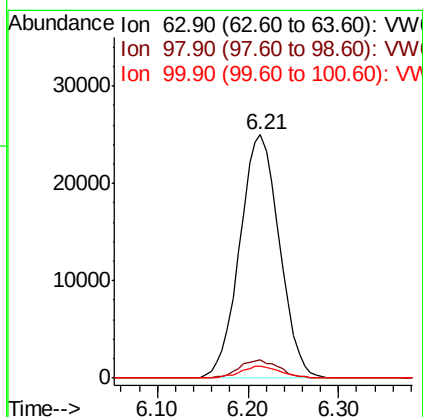
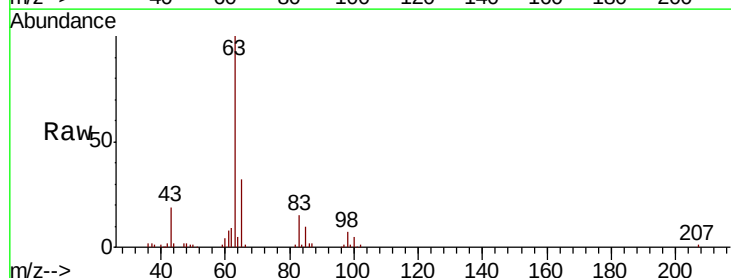
Tgt Ion: 63 Resp: 75698

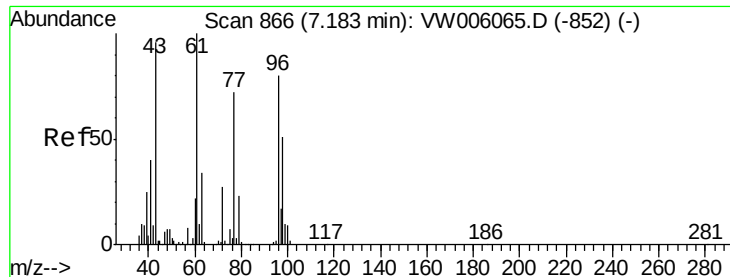
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.7 2.5 7.5





#25

2-Butanone

Concen: 109.180 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 43 Resp: 52642

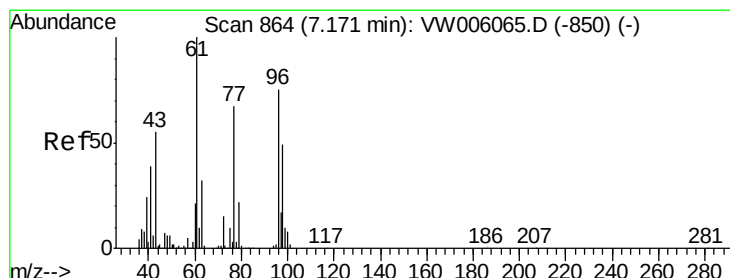
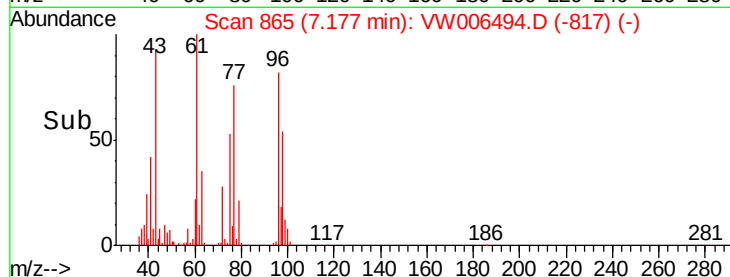
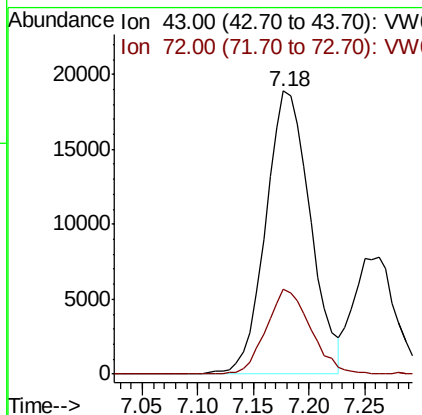
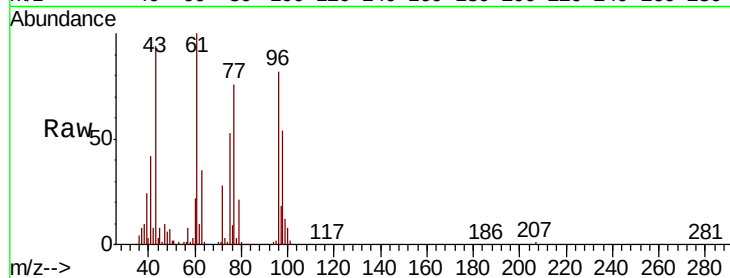
Ion Ratio Lower Upper

43 100

72 30.2 22.8 34.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 22.585 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006494.D

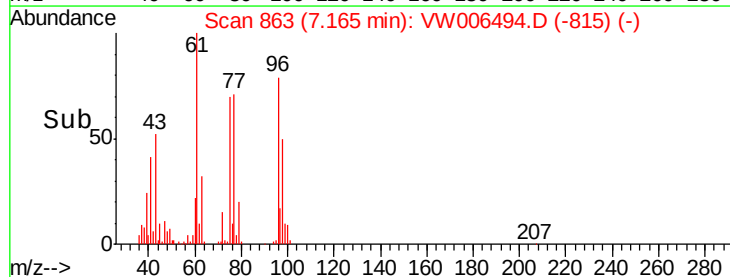
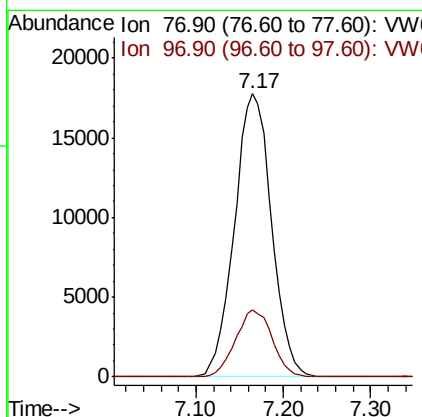
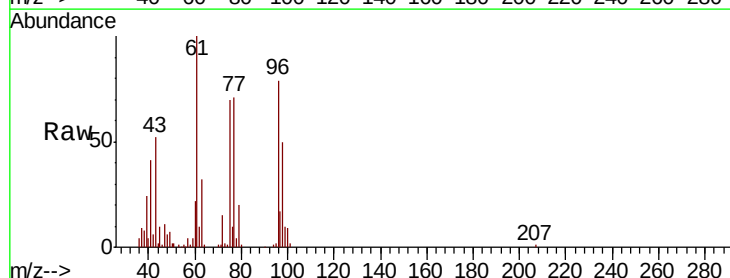
Acq: 30 Oct 2018 11:59

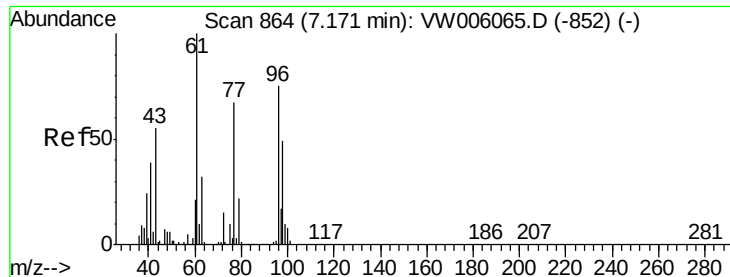
Tgt Ion: 77 Resp: 52240

Ion Ratio Lower Upper

77 100

97 23.4 12.2 36.4





#27

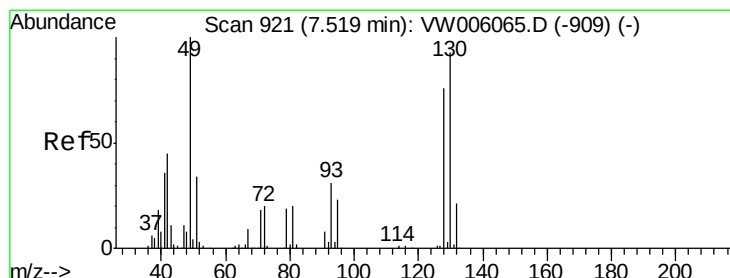
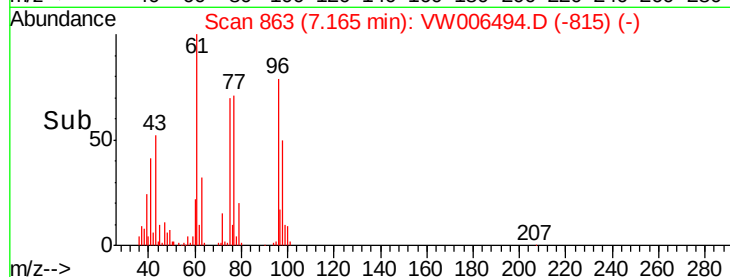
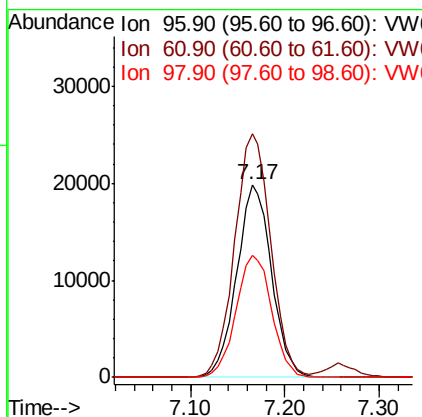
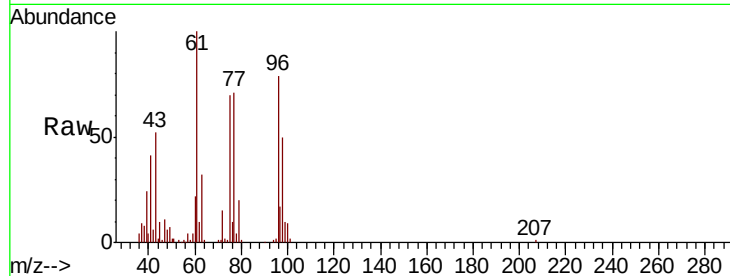
cis-1,2-Dichloroethene
 Concen: 23.095 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	267.2
98	64.9	0.0	128.6

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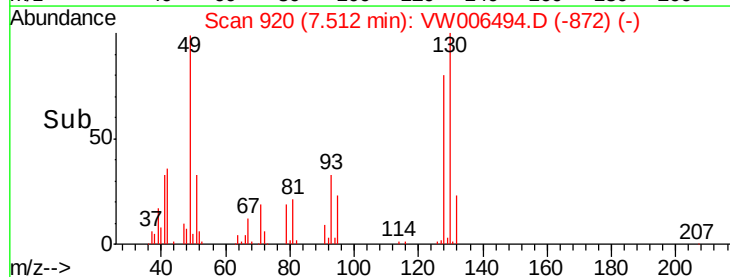
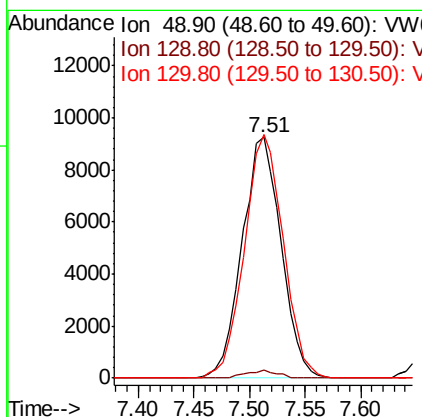
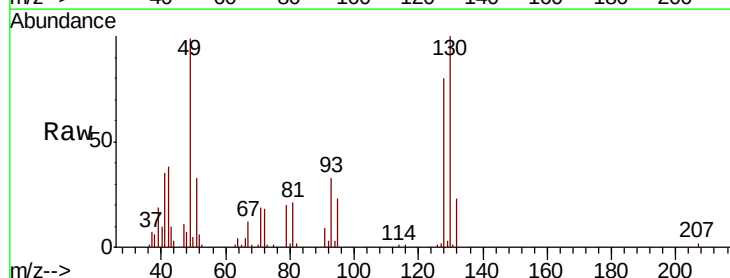
MMDadoda
 10/31/2018 12:31:34 PM

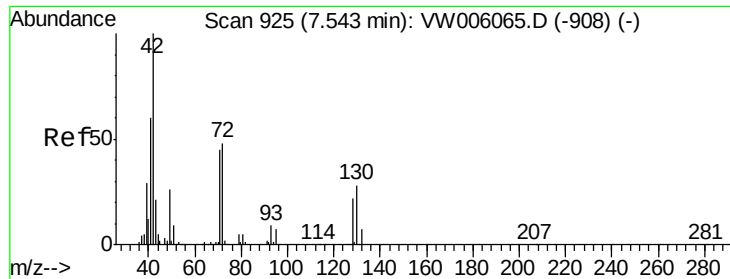


#28

Bromochloromethane
 Concen: 17.824 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	100.8	73.8	110.8





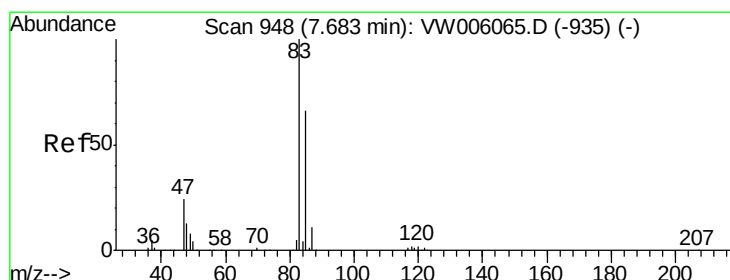
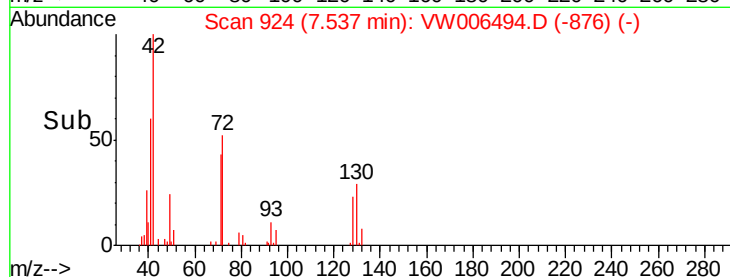
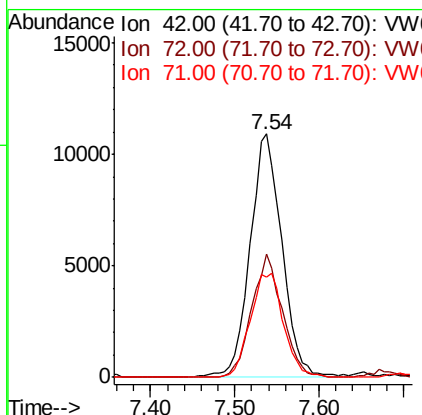
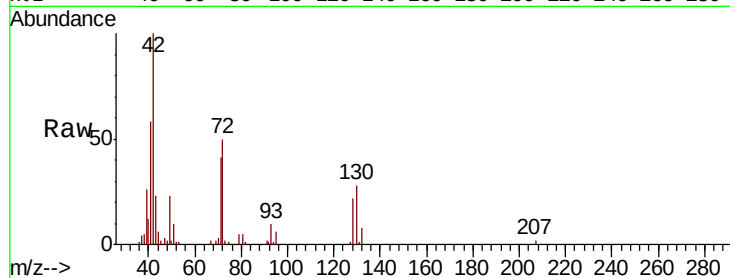
#29
Tetrahydrofuran
Concen: 94.824 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.0	57.0
71	44.7	35.3	52.9

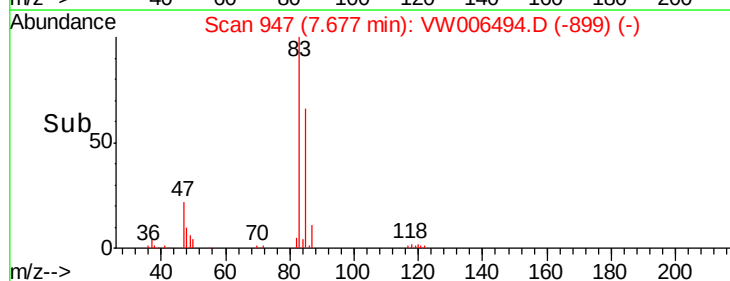
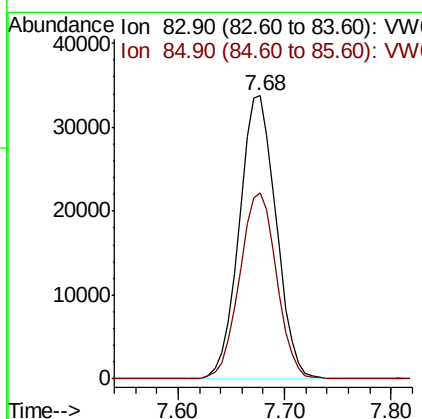
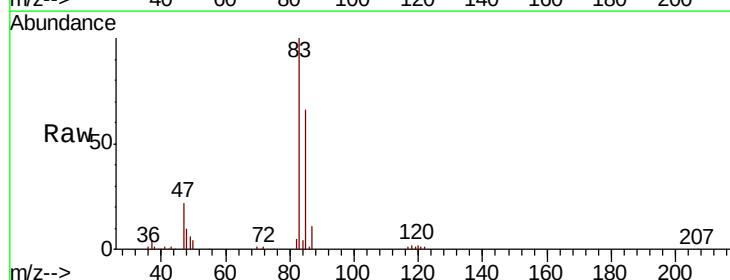
Manual Integrations
APPROVED

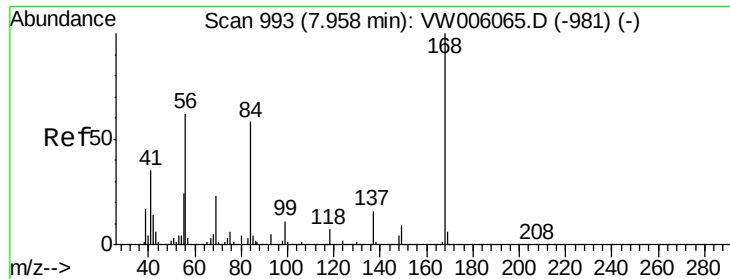
MMDadoda
10/31/2018 12:31:34 PM



#30
Chloroform
Concen: 22.971 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	79.0





#31

Cyclohexane

Concen: 20.588 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

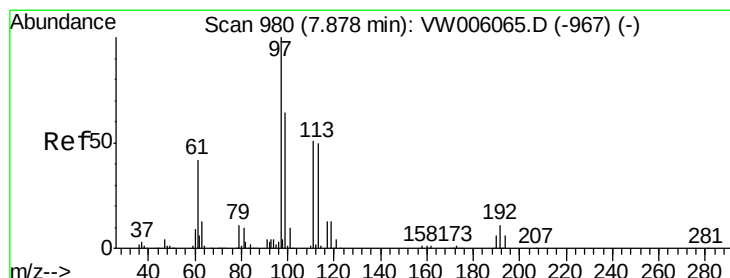
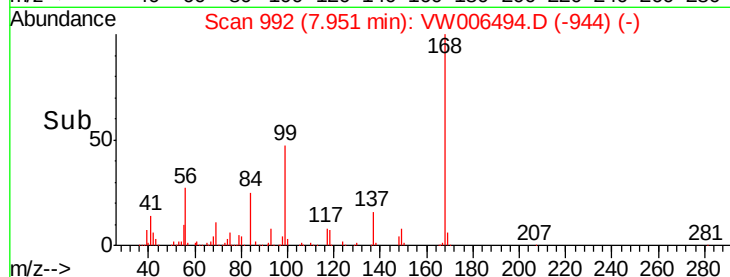
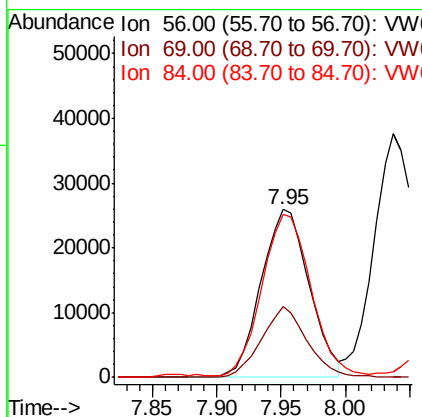
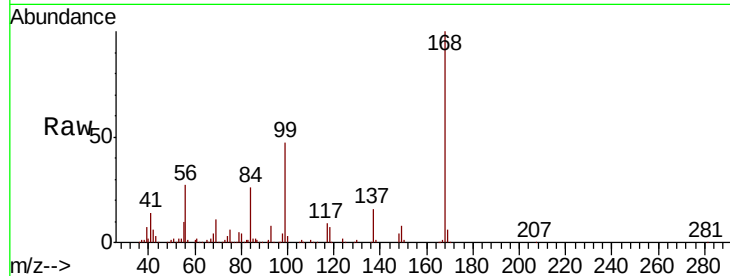
ClientSampleId :

VW1031SBS02

Tot Ion:	56	Resp:	67238
Ion	Ratio	Lower	Upper
56	100		
69	41.8	29.4	44.0
84	96.0	74.0	111.0

Manual Integrations
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10/31/2018 12:31:34 PM



#32

1,1,1-Trichloroethane

Concen: 22.849 ug/l

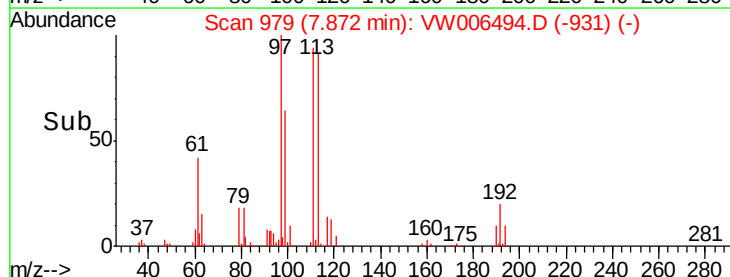
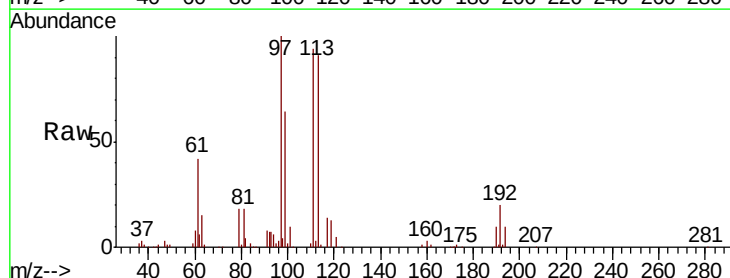
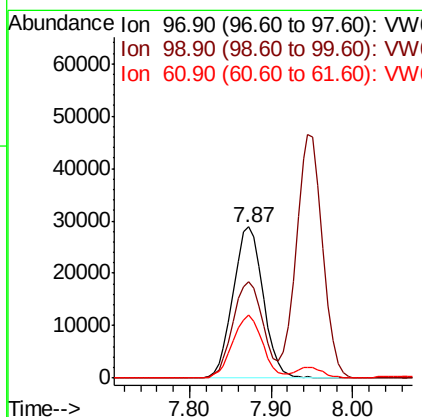
RT: 7.87 min Scan# 979

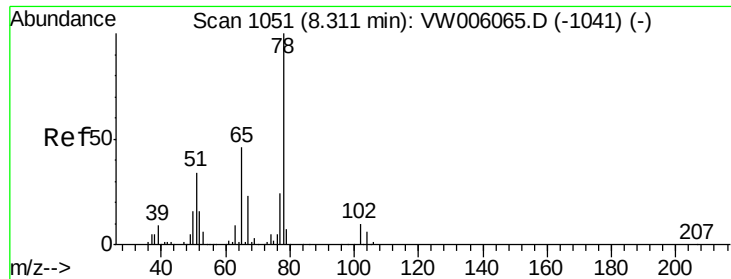
Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion:	97	Resp:	73645
Ion	Ratio	Lower	Upper
97	100		
99	64.5	50.9	76.3
61	41.1	33.7	50.5





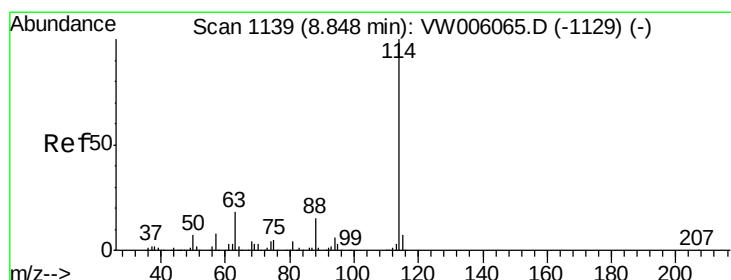
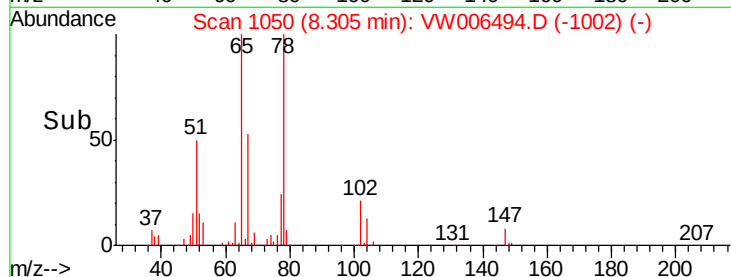
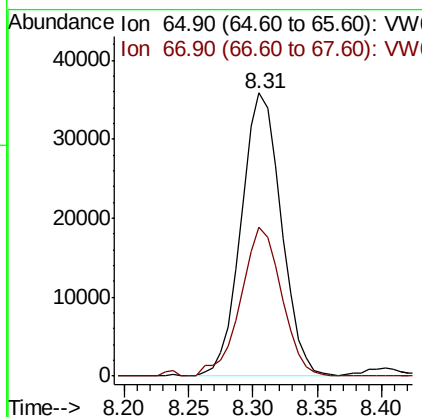
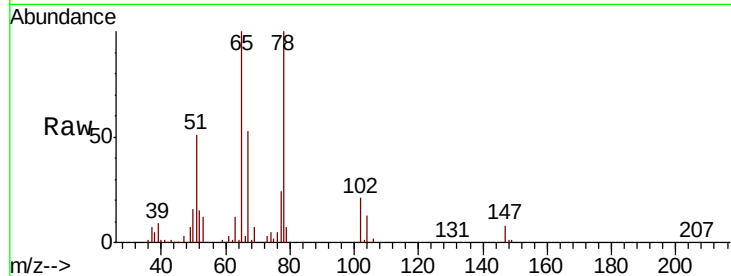
#33
 1,2-Dichloroethane-d4
 Concen: 43.232 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	77159		
67	53.6	0.0	101.0	

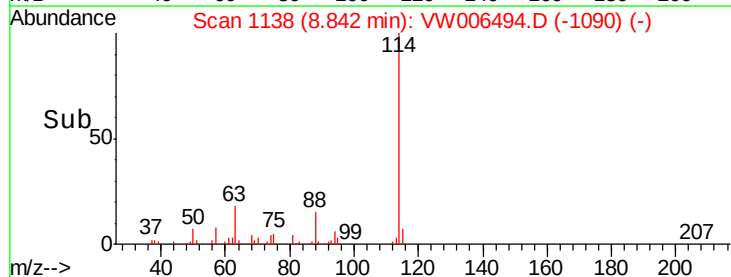
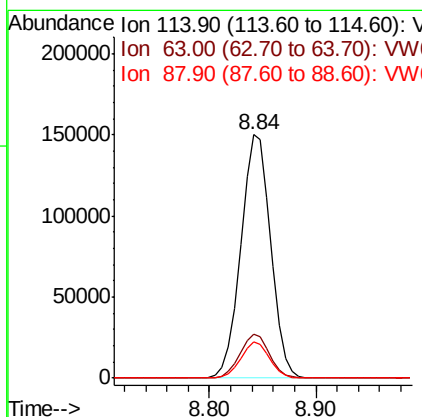
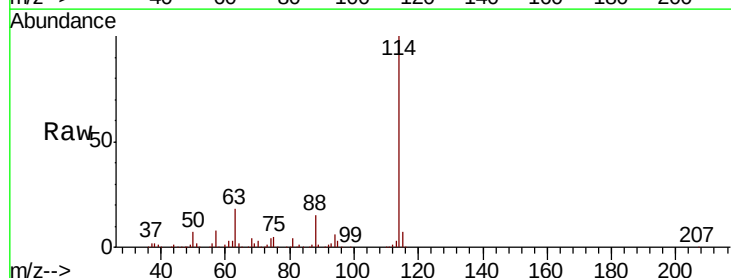
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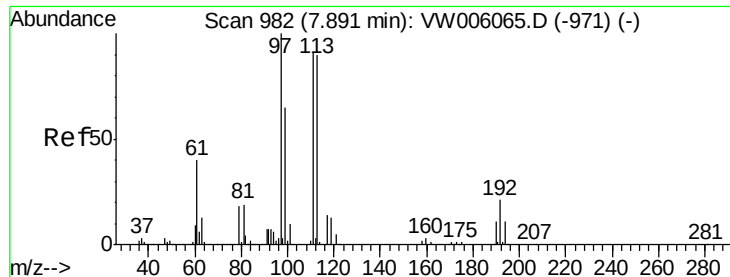
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	295244		
63	18.3	0.0	36.8	
88	14.9	0.0	29.0	





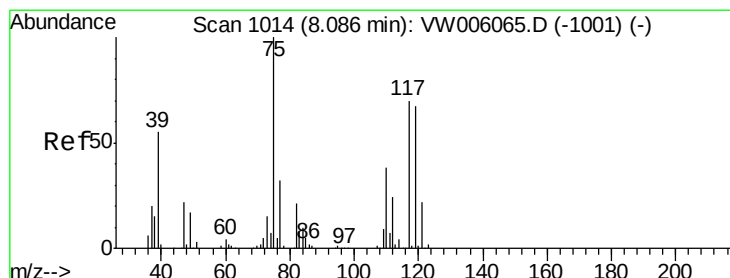
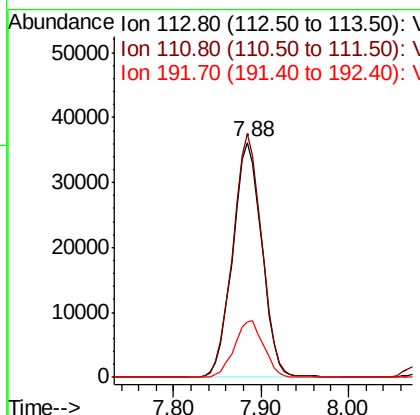
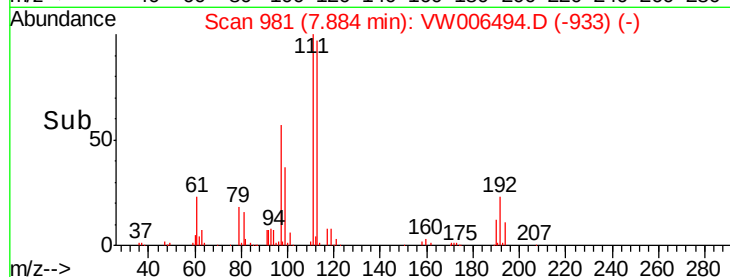
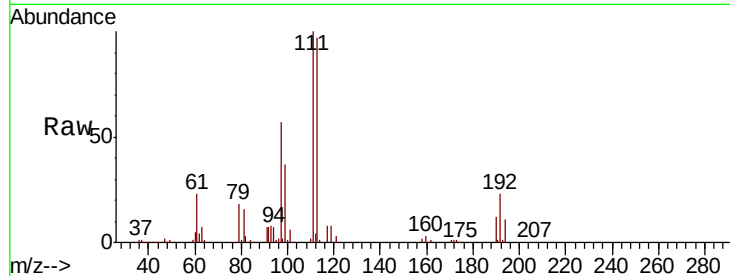
#35
 Dibromofluoromethane
 Concen: 48.185 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.0
192	24.1	18.7	28.1

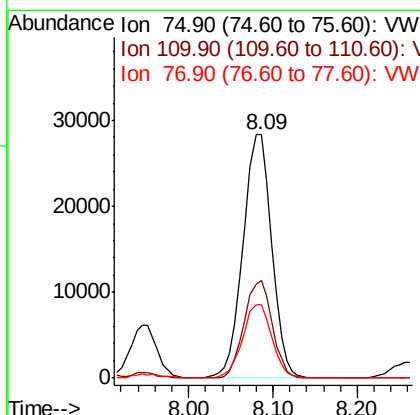
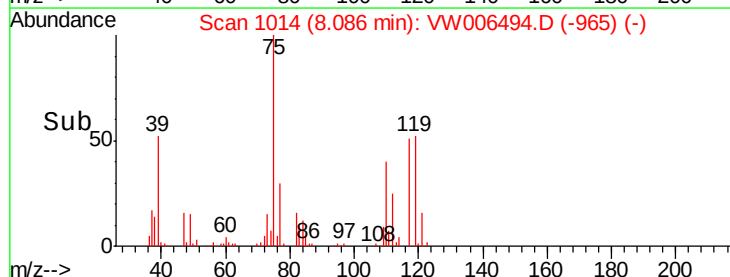
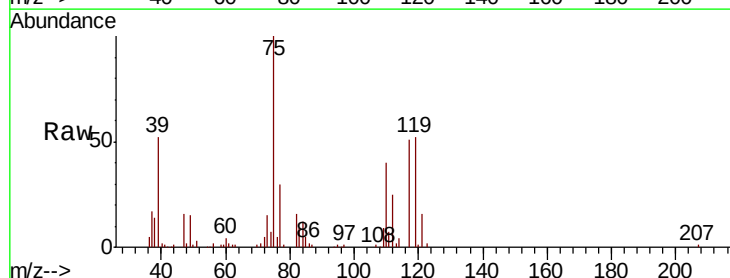
Manual Integrations
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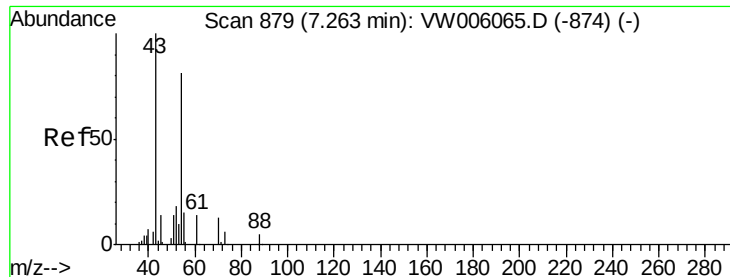
MMDadoda
 10/31/2018 12:31:34 PM



#36
 1,1-Dichloropropene
 Concen: 24.054 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.1	57.1
77	30.7	25.0	37.4





#37

Ethyl Acetate

Concen: 21.034 ug/l

RT: 7.26 min Scan# 879

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

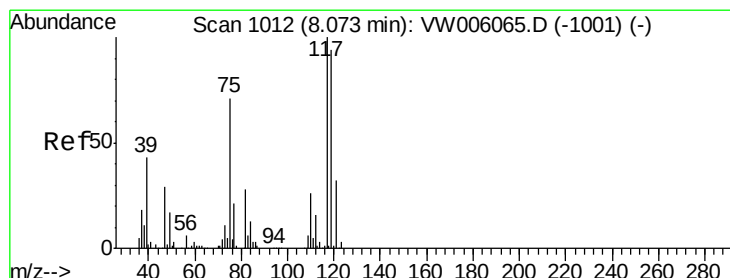
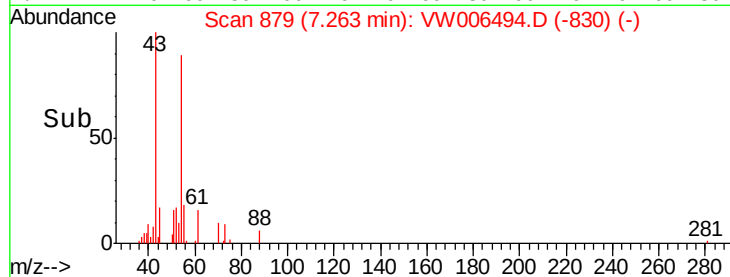
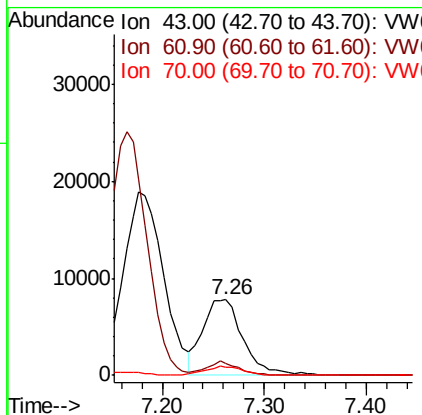
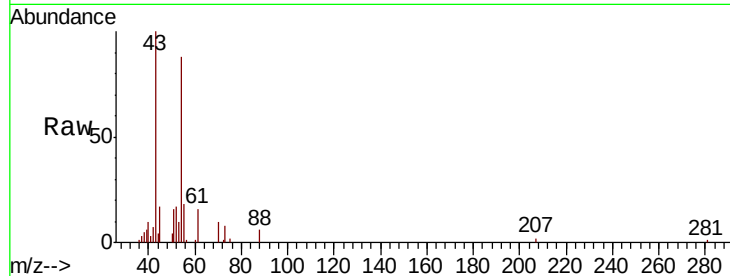
ClientSampleId :

VW1031SBS02

Tot Ion:	43	Resp:	21267
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.0	9.2	13.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 23.627 ug/l

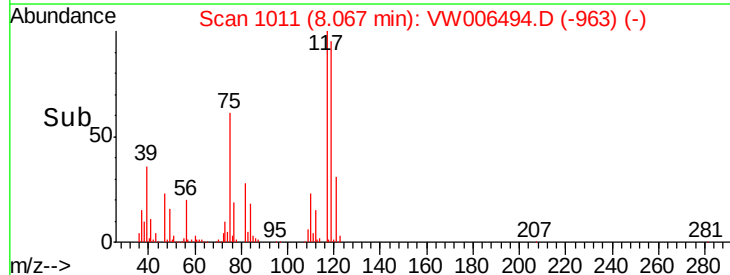
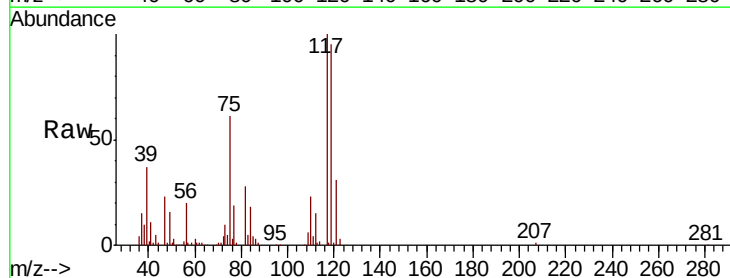
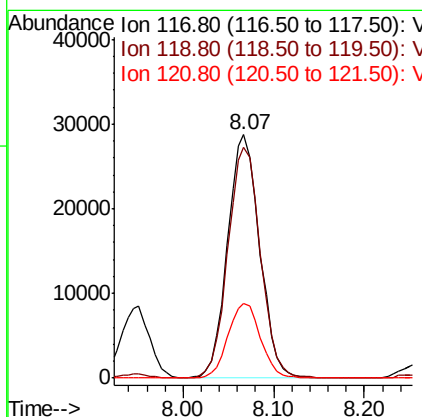
RT: 8.07 min Scan# 1011

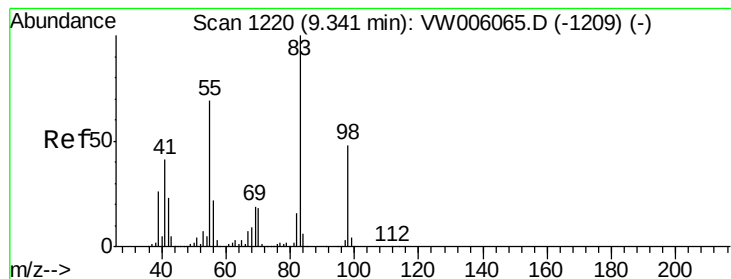
Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion:	117	Resp:	70485
Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.2	112.8
121	30.8	25.3	37.9





#39

Methylvlcyclohexane

Concen: 22.778 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

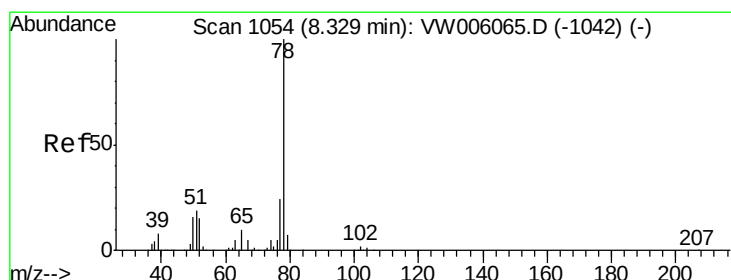
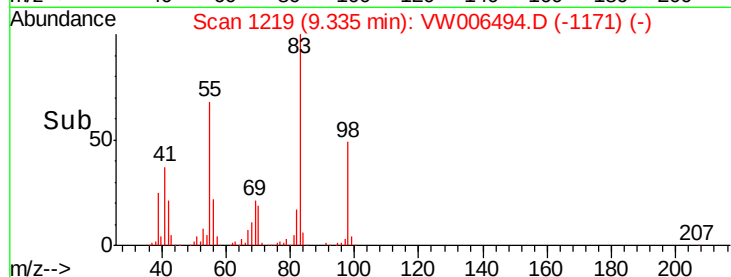
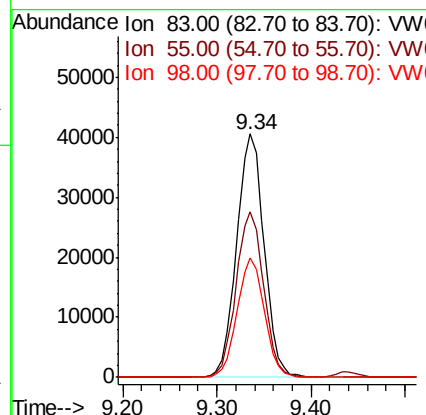
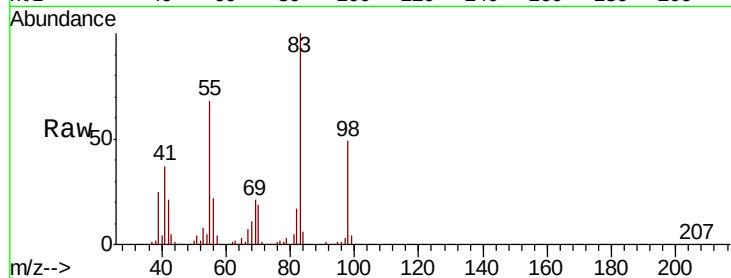
ClientSampleId :

VW1031SBS02

Tot Ion:	83	Resp:	82397
Ion	Ratio	Lower	Upper
83	100		
55	67.8	55.0	82.6
98	49.1	38.6	57.8

Manual Integrations
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#40

Benzene

Concen: 24.146 ug/l

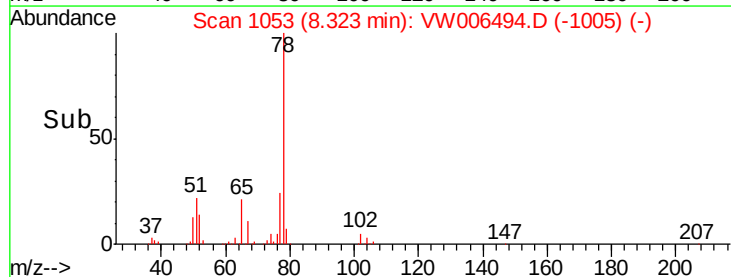
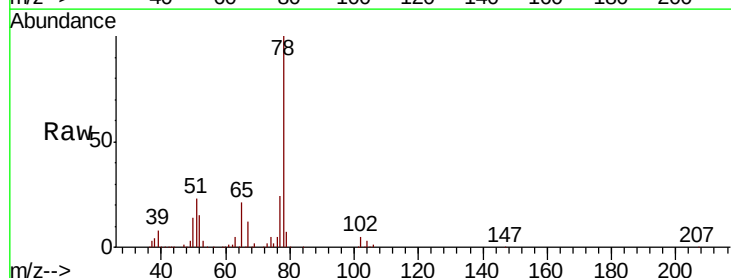
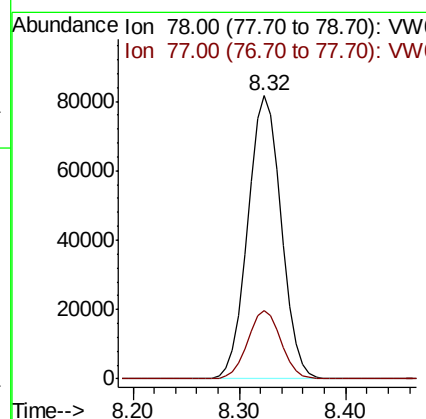
RT: 8.32 min Scan# 1053

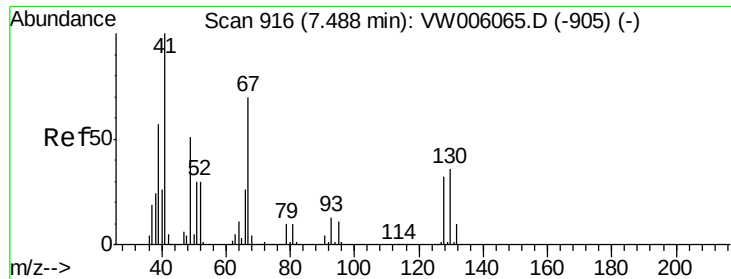
Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion:	78	Resp:	180243
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





#41

Methacrylonitrile

Concen: 21.489 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

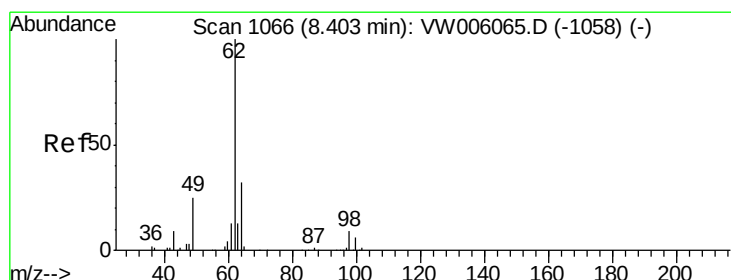
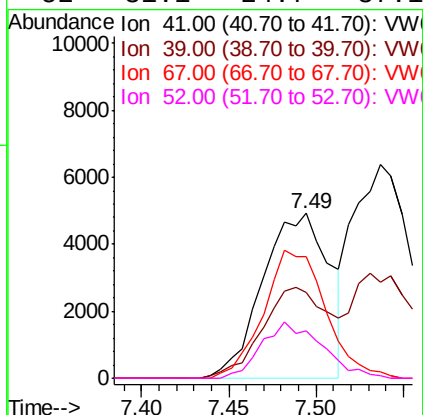
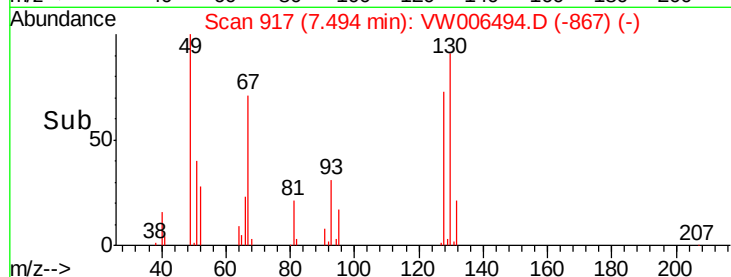
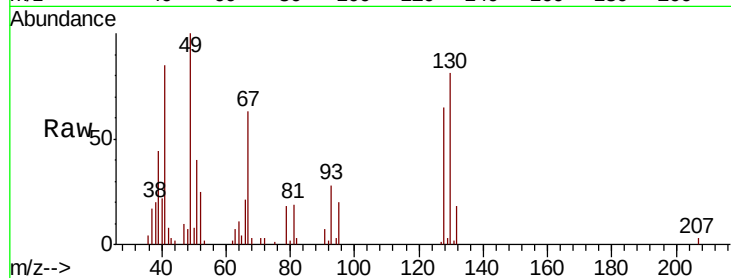
ClientSampleID :

VW1031SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		13098		
39	54.8	46.2	69.4		
67	72.3	57.7	86.5		
52	31.1	24.7	37.1		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.770 ug/l

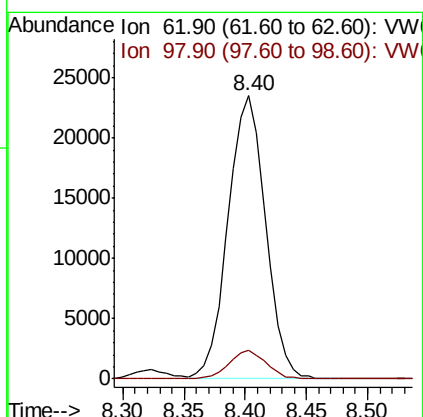
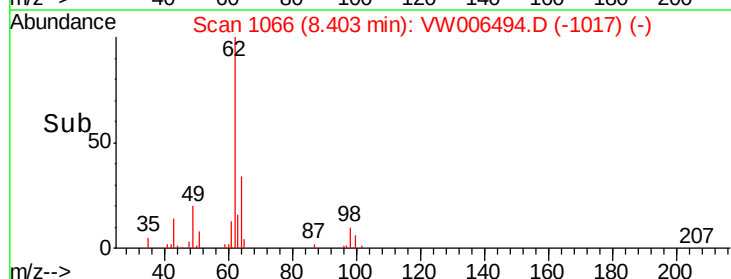
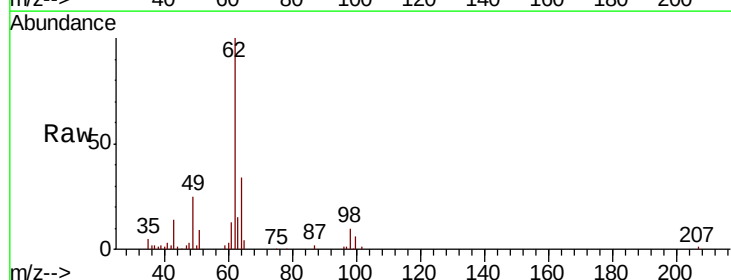
RT: 8.40 min Scan# 1066

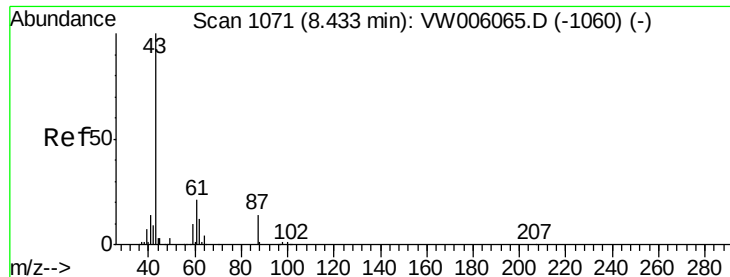
Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		49938		
98	10.0	0.0	18.4		





#43

Isopropyl Acetate

Concen: 19.791 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

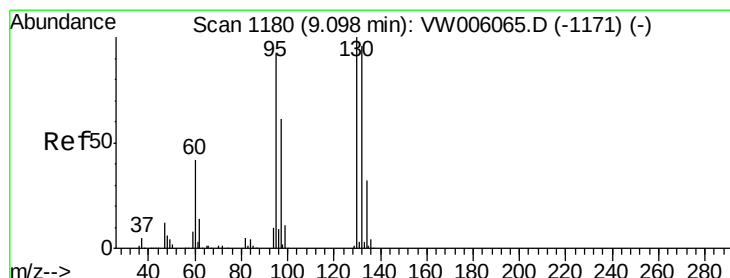
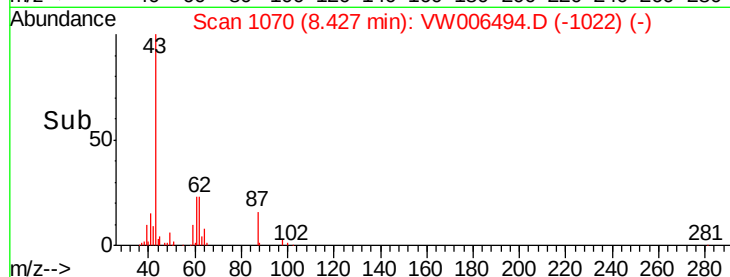
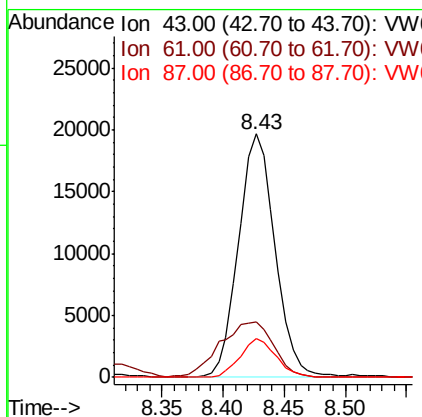
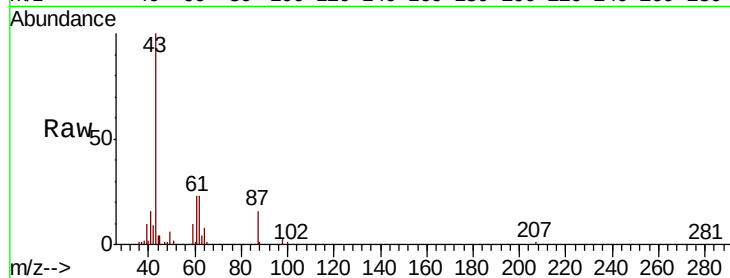
ClientSampled :

VW1031SBS02

Tot Ion:	43	Resp:	40914
Ion	Ratio	Lower	Upper
43	100		
61	33.6	25.5	38.3
87	15.5	11.7	17.5

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10/31/2018 12:31:34 PM



#44

Trichloroethene

Concen: 24.660 ug/l

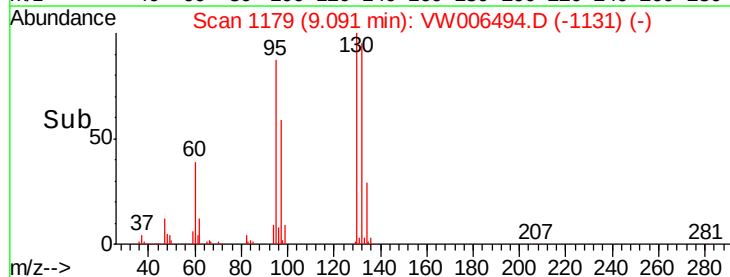
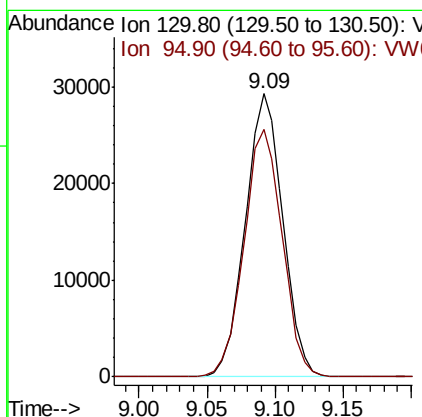
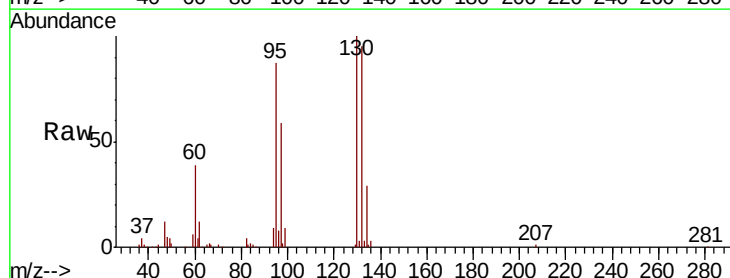
RT: 9.09 min Scan# 1179

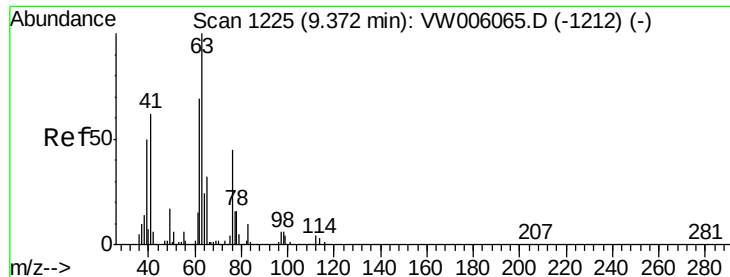
Delta R.T. -0.01 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion:	130	Resp:	56477
Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	183.2





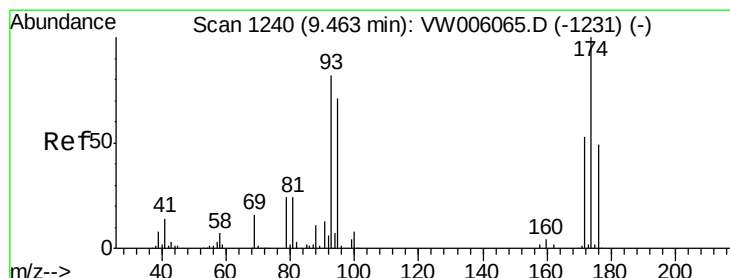
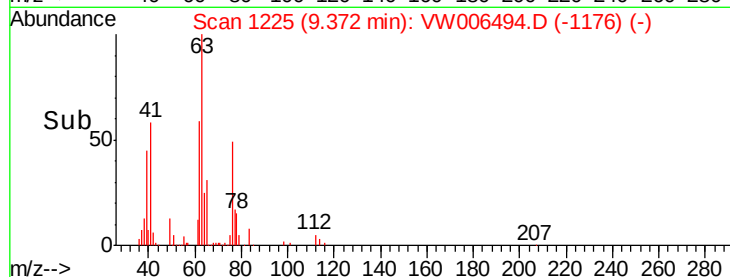
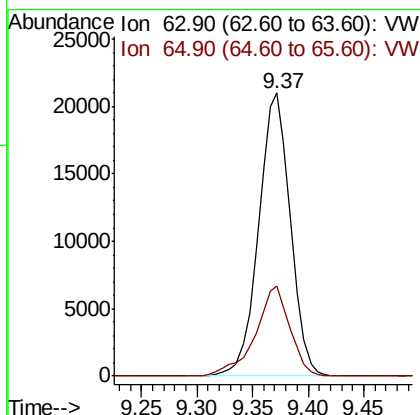
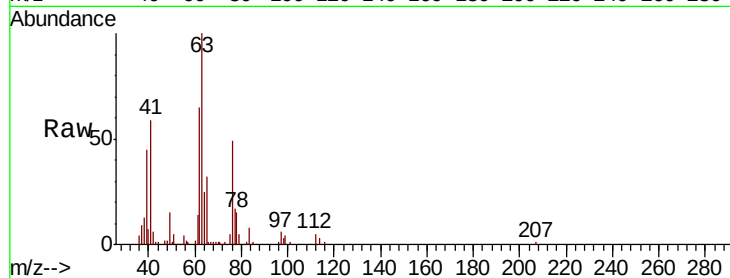
#45
 1,2-Dichloropropane
 Concen: 23.320 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	63	Resp	41656
Ion Ratio	Lower	Upper	
63	100		
65	31.9	25.4	38.0

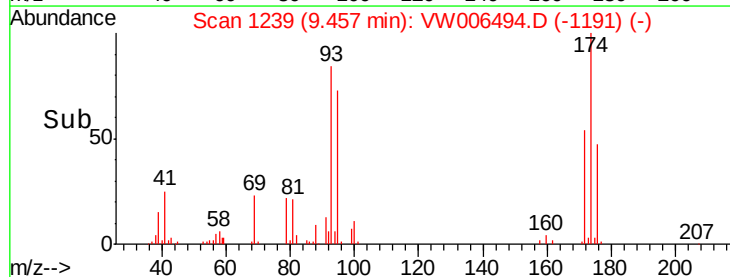
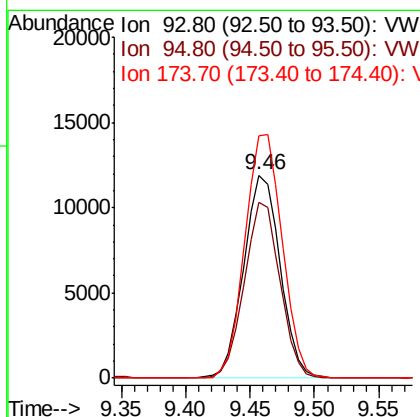
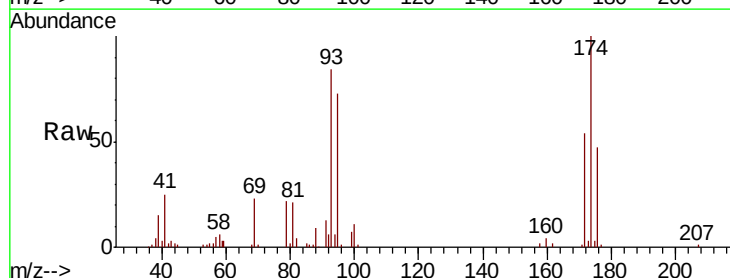
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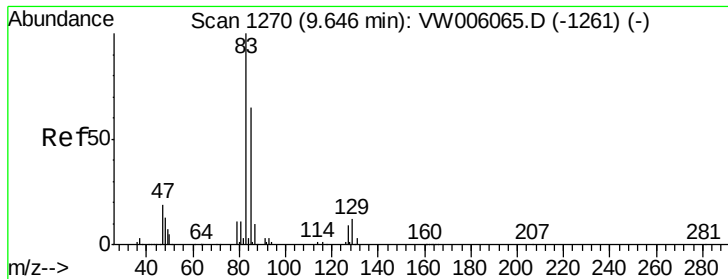
MMDadoda
 10/31/2018 12:31:34 PM



#46
 Dibromomethane
 Concen: 22.901 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	93	Resp	23315
Ion Ratio	Lower	Upper	
93	100		
95	84.5	67.7	101.5
174	122.7	93.7	140.5





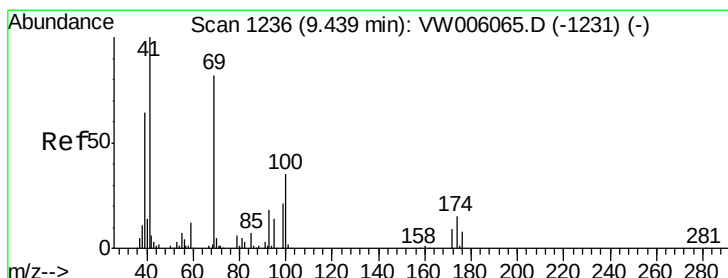
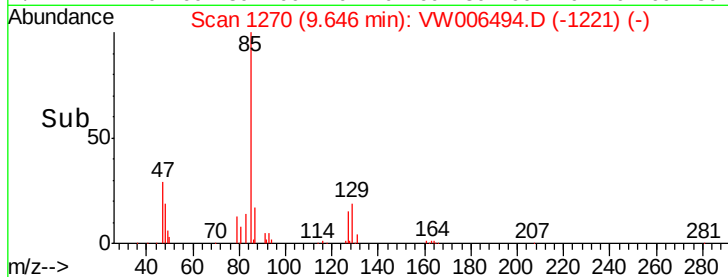
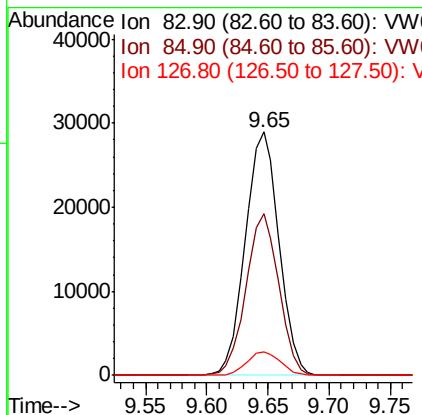
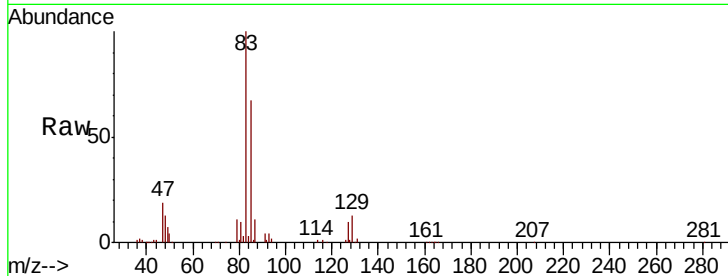
#47
Bromodichloromethane
Concen: 22.472 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	83	Resp	55468
Ion Ratio	100	Lower	Upper
83	100		
85	66.6	51.8	77.8
127	9.8	6.9	10.3

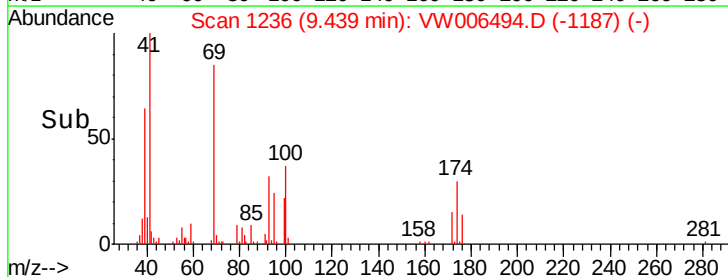
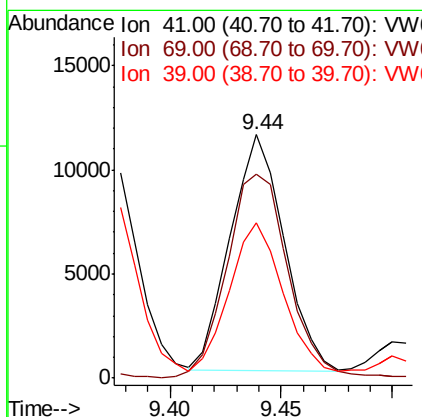
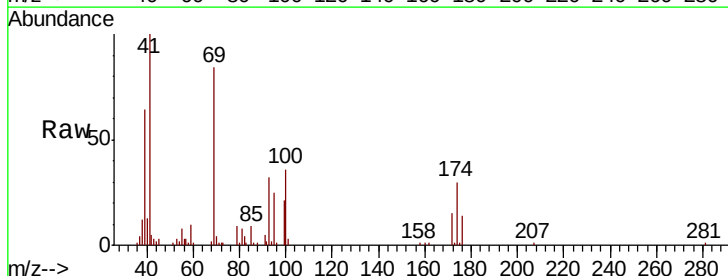
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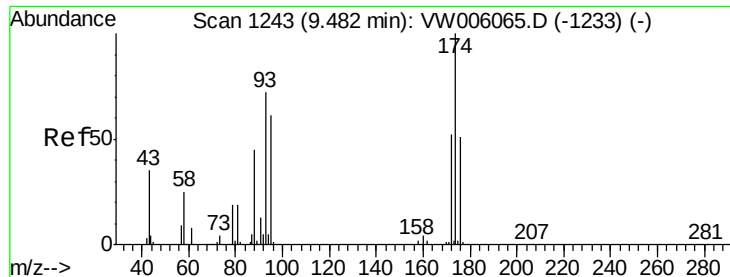
MMDadoda
10/31/2018 12:31:34 PM



#48
Methyl methacrylate
Concen: 19.553 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	41	Resp	19160
Ion Ratio	100	Lower	Upper
41	100		
69	99.0	71.8	107.8
39	62.4	52.5	78.7





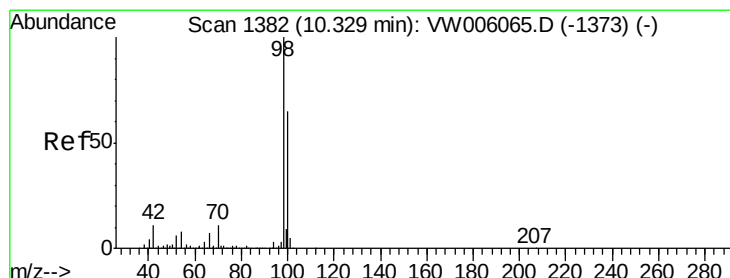
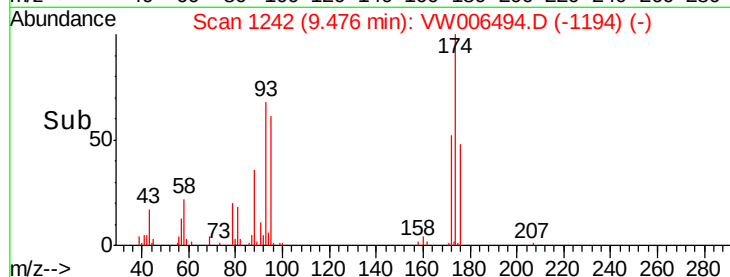
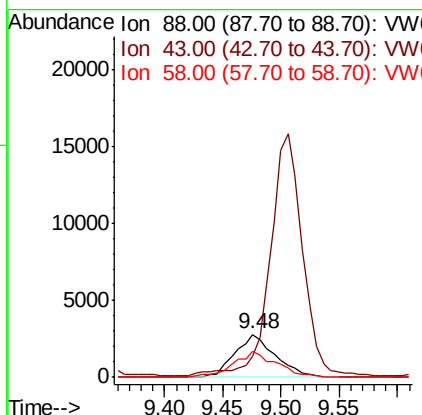
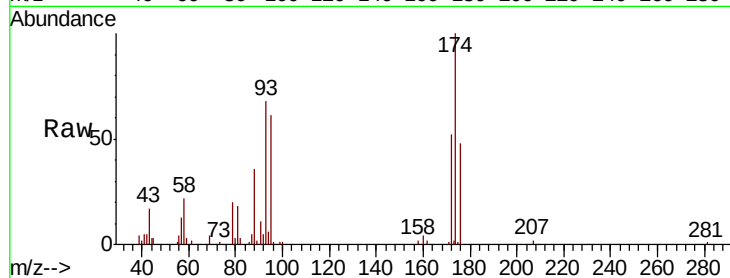
#49
1,4-Dioxane
Concen: 426.079 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	64.3	51.2	76.8

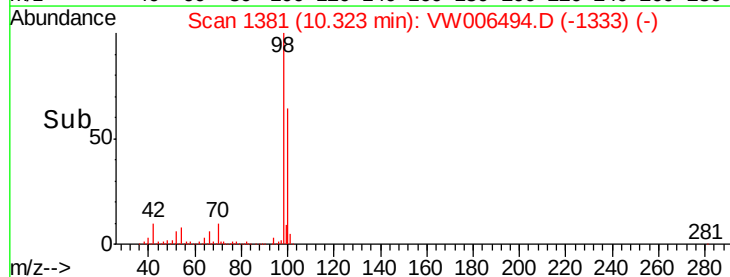
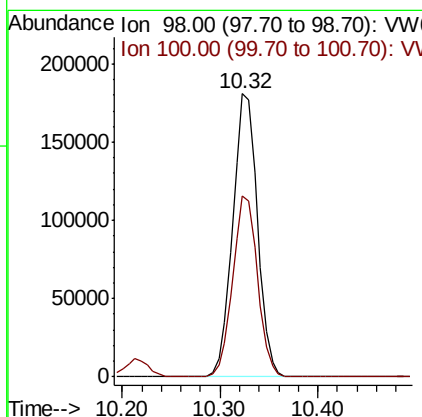
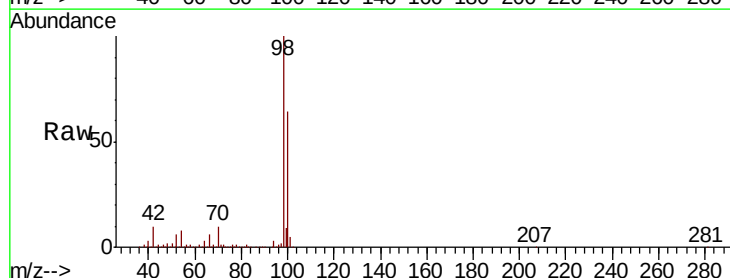
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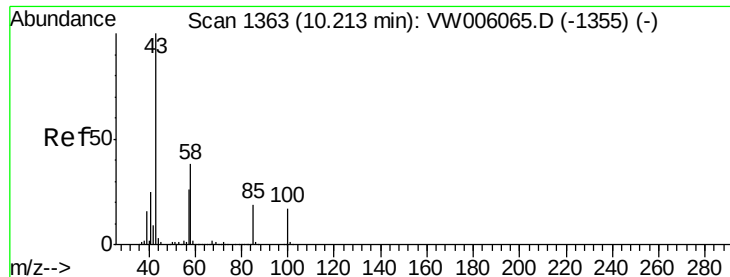
MMDadoda
10/31/2018 12:31:34 PM



#50
Toluene-d8
Concen: 47.737 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





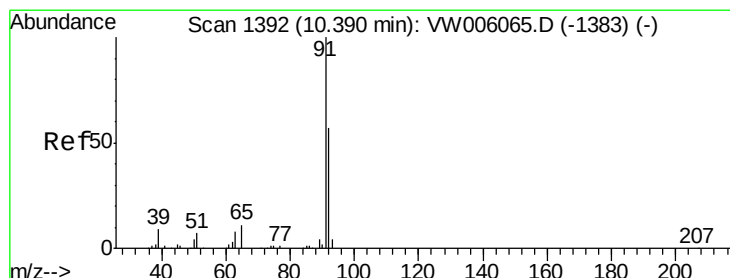
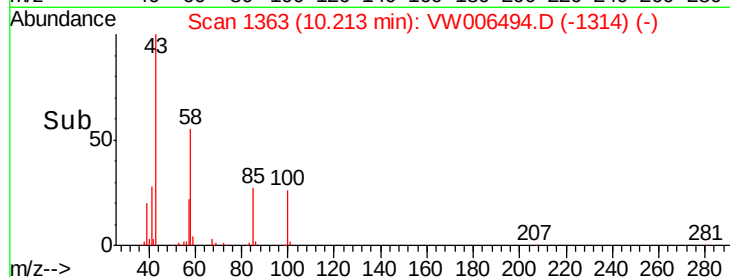
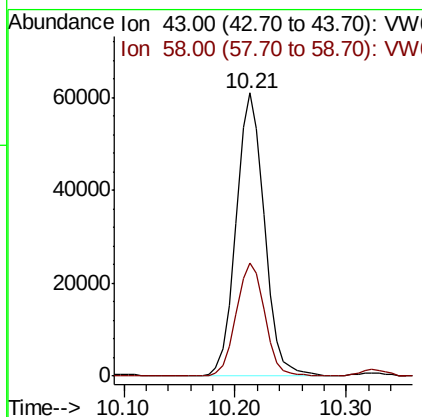
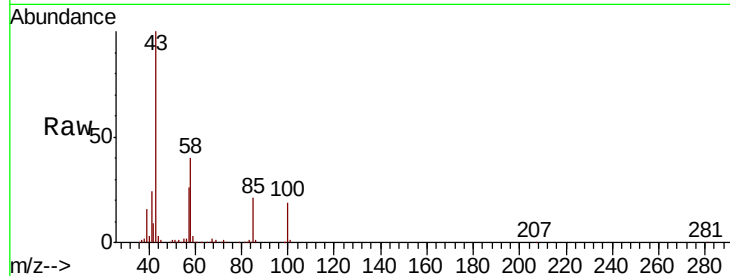
#51
4-Methyl-2-Pentanone
Concen: 102.787 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampled :
VW1031SBS02

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.5		31.5	47.3	

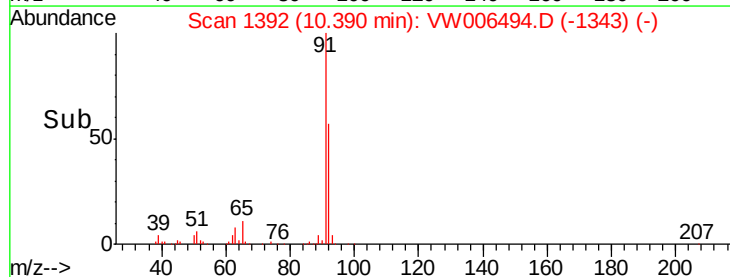
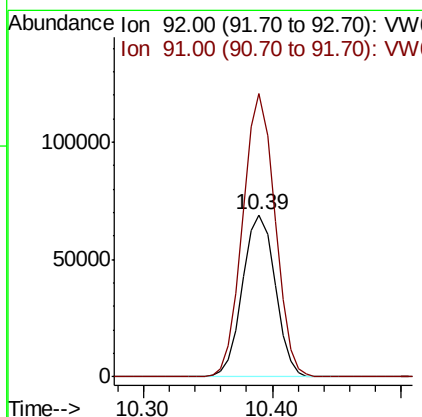
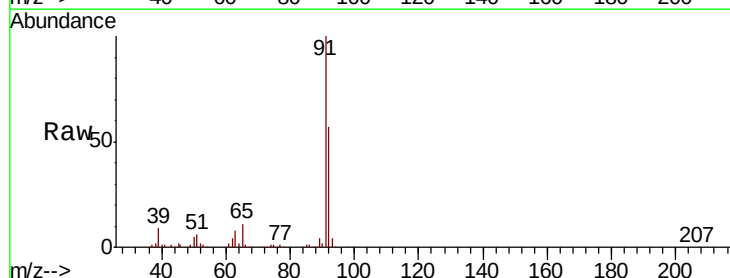
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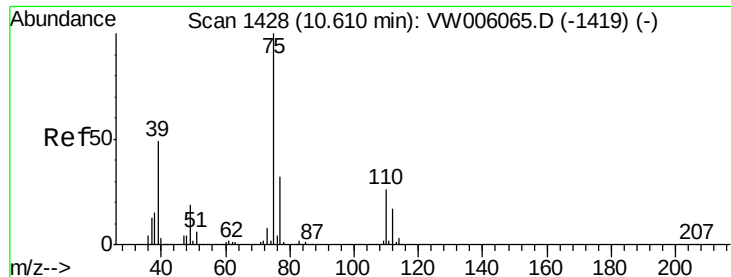
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#52
Toluene
Concen: 24.211 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	172.0		140.0	210.0	





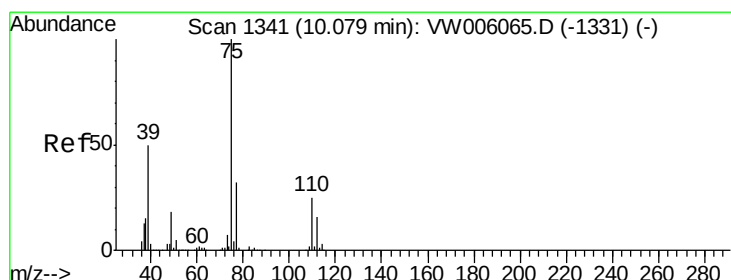
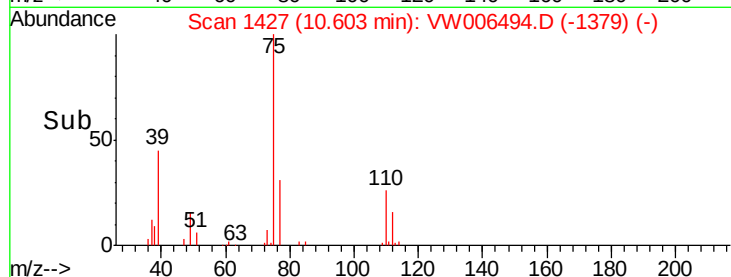
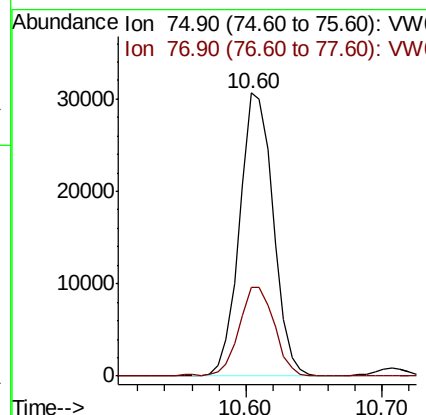
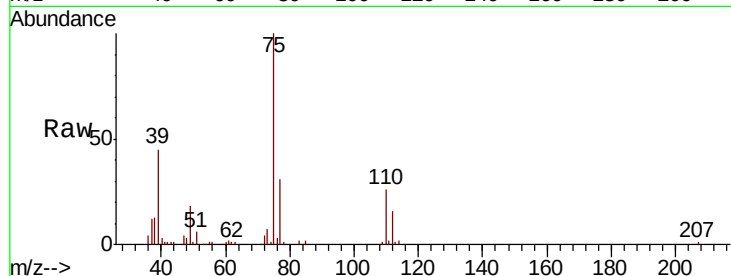
#53
 t-1,3-Dichloropropene
 Concen: 21.532 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2

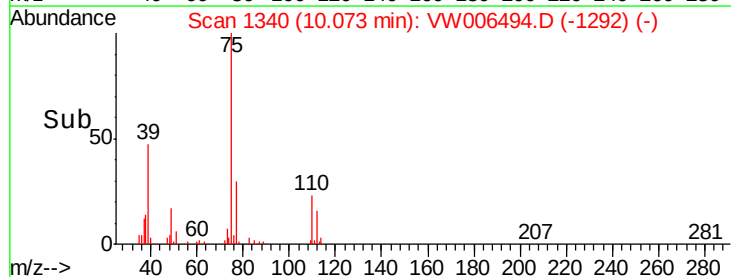
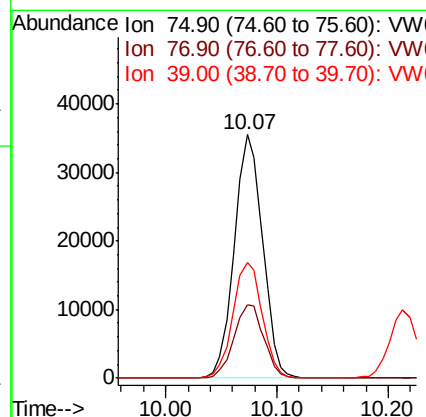
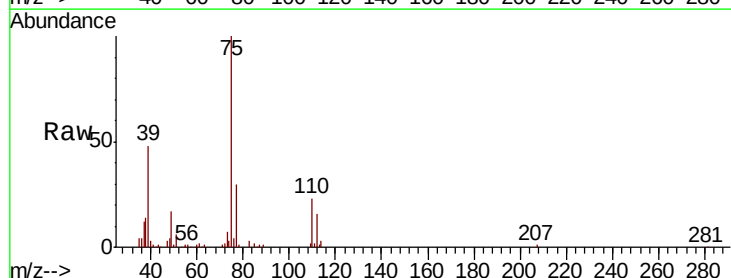
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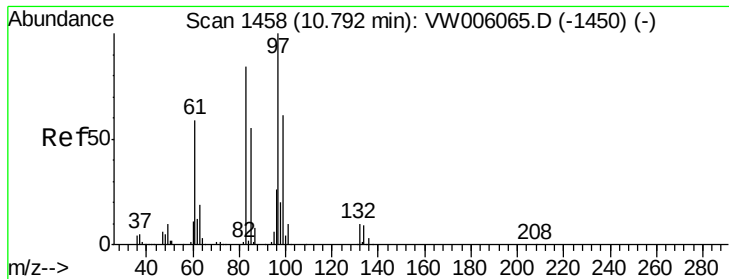
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 10/31/2018 12:31:34 PM



#54
 cis-1,3-Dichloropropene
 Concen: 22.157 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.2	37.8
39	47.7	39.9	59.9





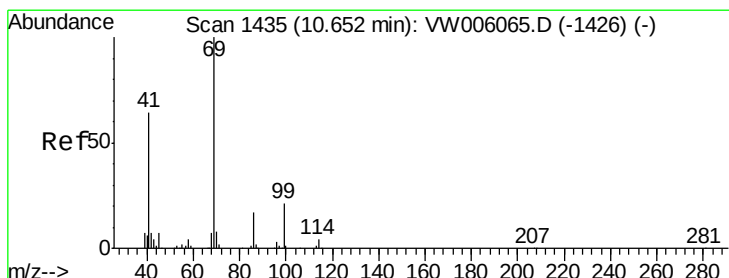
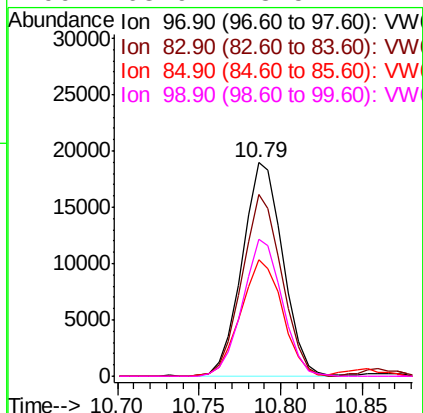
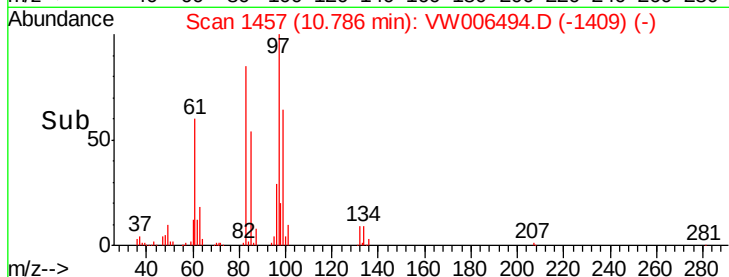
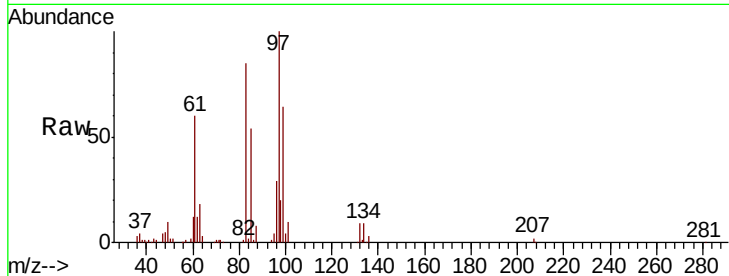
#55
 1,1,2-Trichloroethane
 Concen: 23.110 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion:	97	Resp:	32925
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.2	100.8
85	54.3	43.7	65.5
99	63.9	48.5	72.7

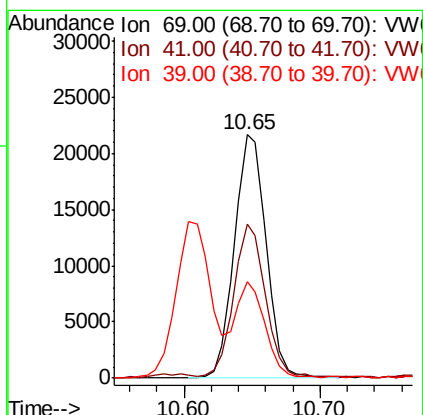
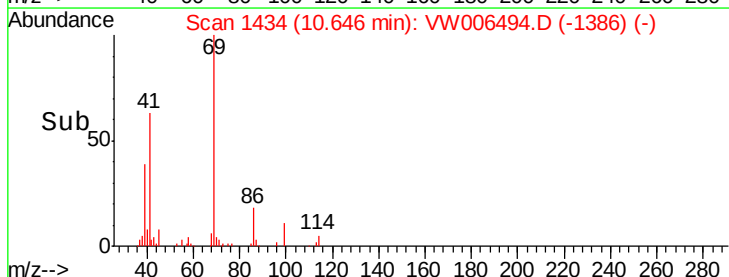
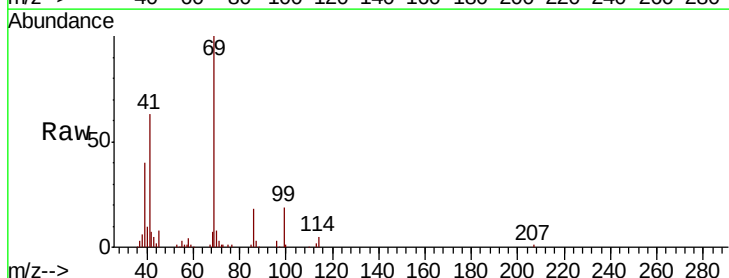
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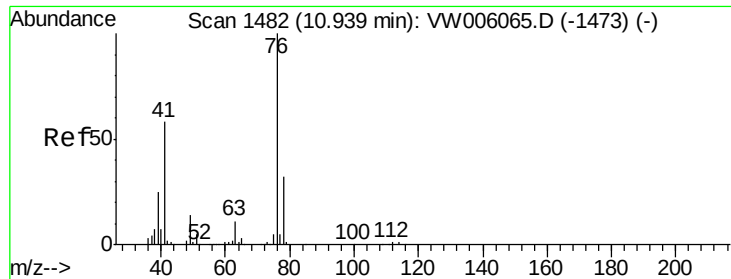
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#56
 Ethyl methacrylate
 Concen: 20.187 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion:	69	Resp:	35258
Ion	Ratio	Lower	Upper
69	100		
41	63.6	52.8	79.2
39	38.1	30.6	45.8





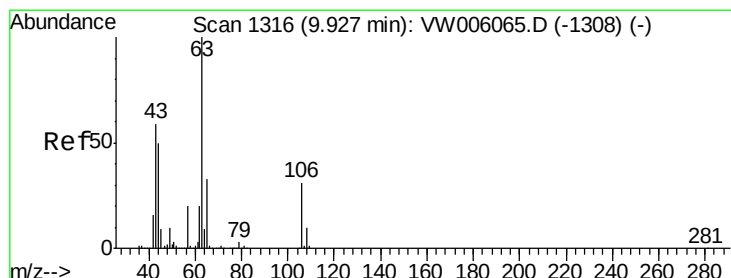
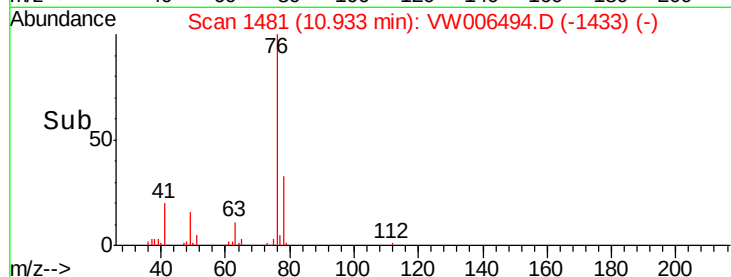
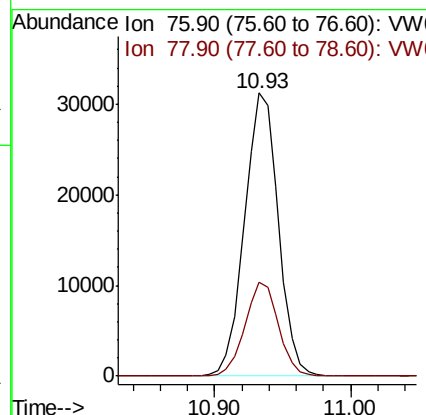
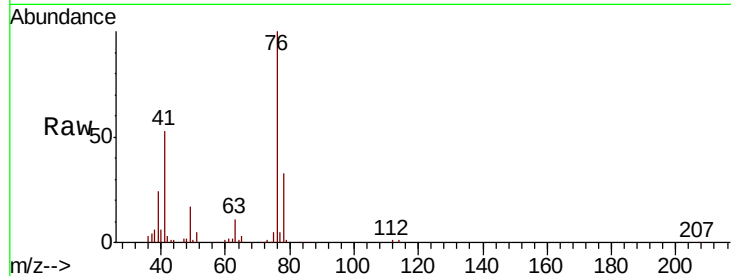
#57
 1,3-Dichloropropane
 Concen: 22.964 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.9	38.9

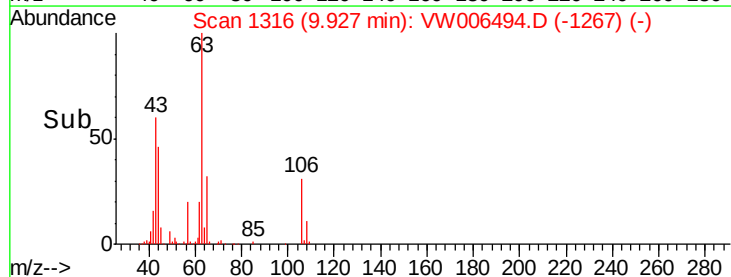
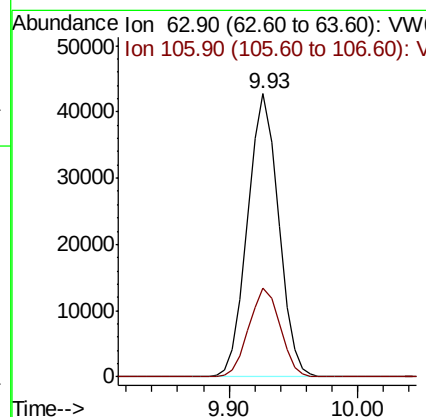
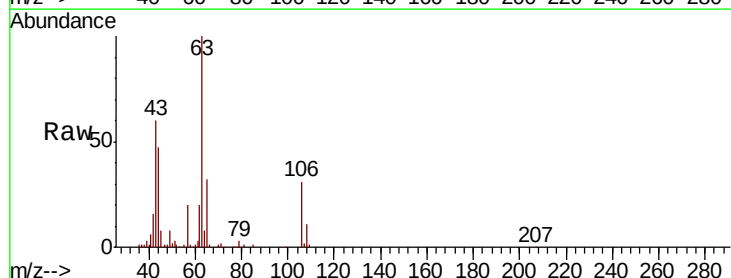
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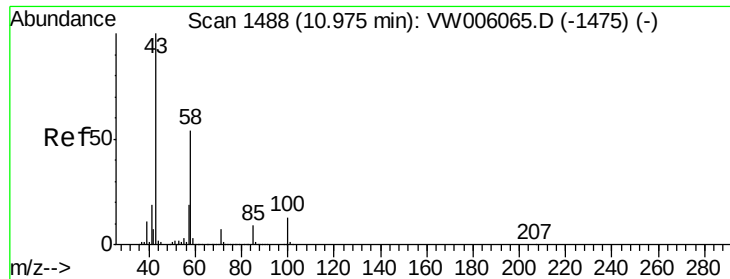
MMDadoda
 10/31/2018 12:31:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.600 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.6	24.5	36.7





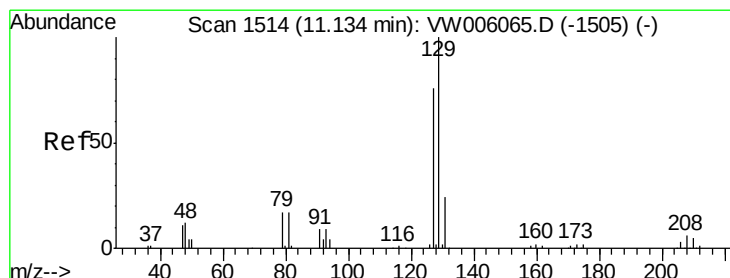
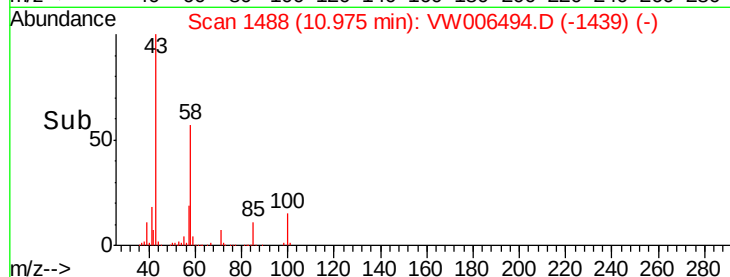
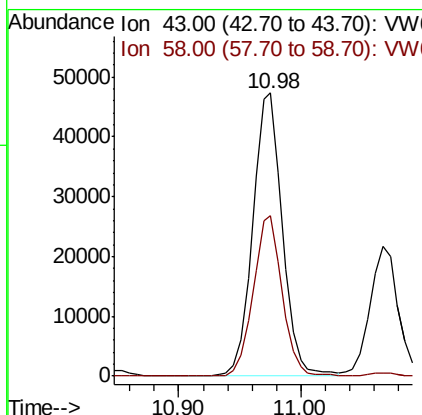
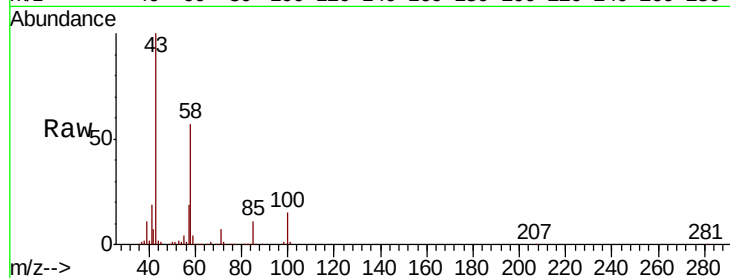
#59
2-Hexanone
Concen: 107.767 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	43	Resp	79681
Ion Ratio	100	Lower	Upper
43	100		
58	55.2	26.9	80.6

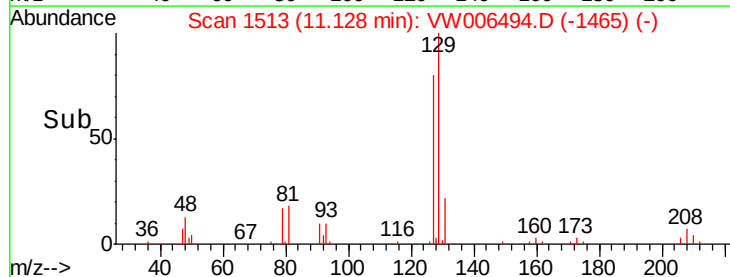
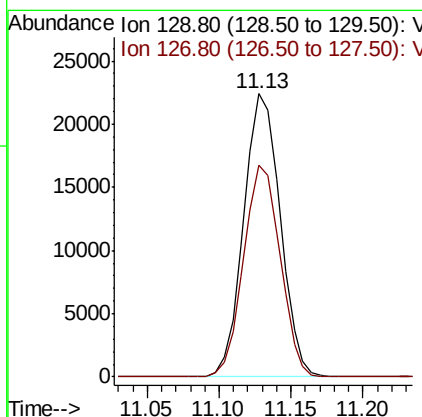
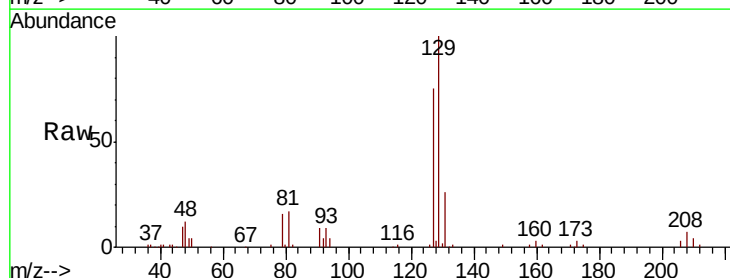
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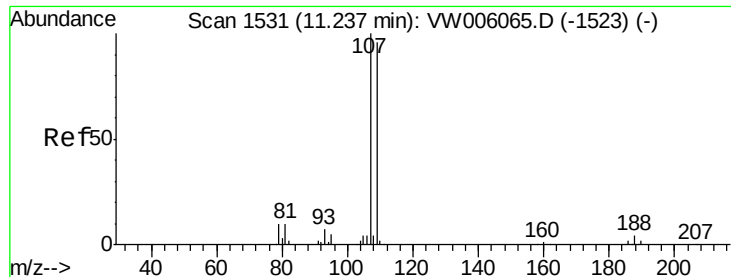
MMDadoda
10/31/2018 12:31:34 PM



#60
Dibromochloromethane
Concen: 22.141 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	129	Resp	39292
Ion Ratio	100	Lower	Upper
129	100		
127	75.2	38.6	115.7





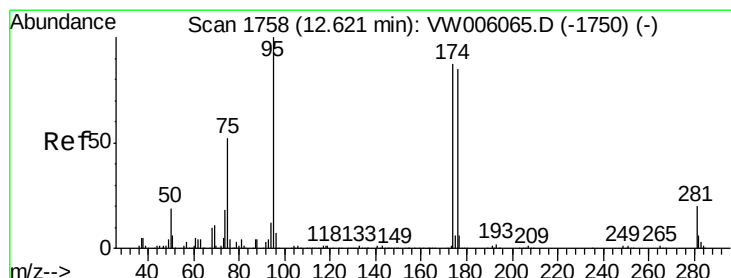
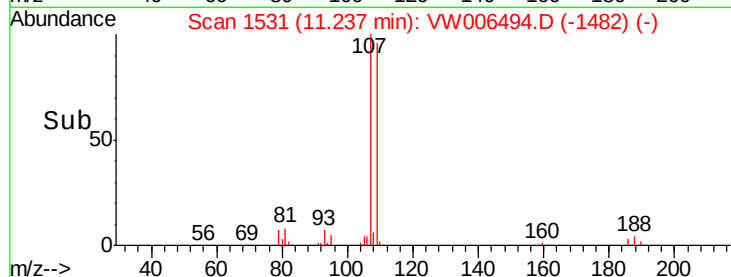
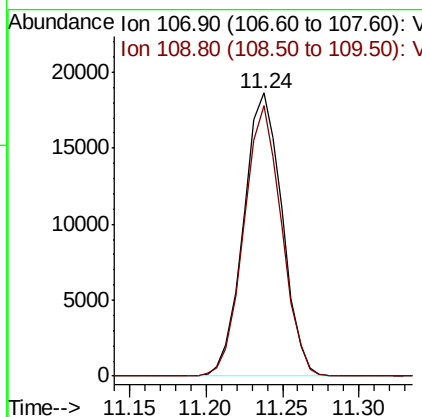
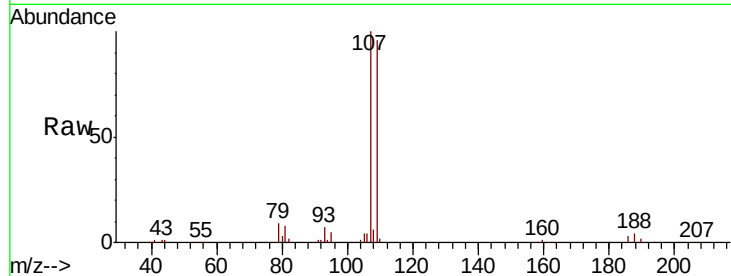
#61
 1,2-Dibromoethane
 Concen: 22.925 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion: 107 Resp: 32635
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.3 114.5

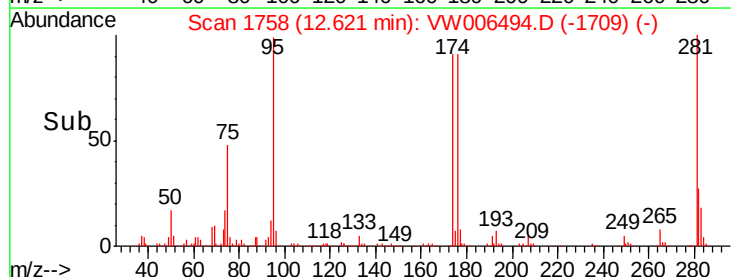
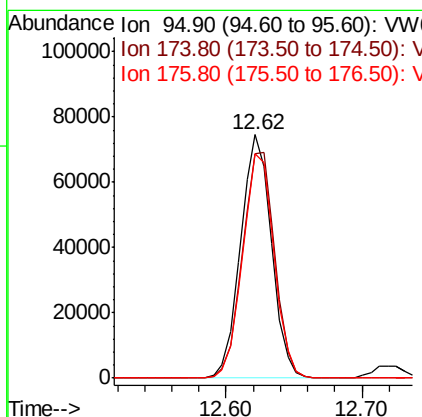
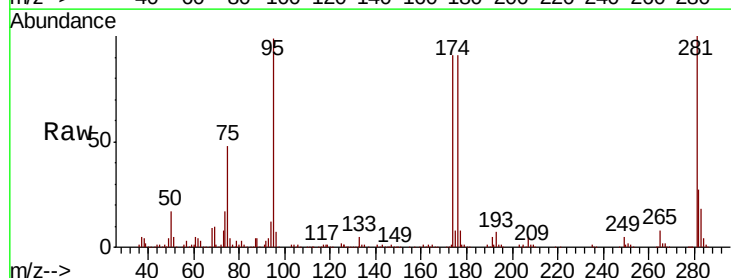
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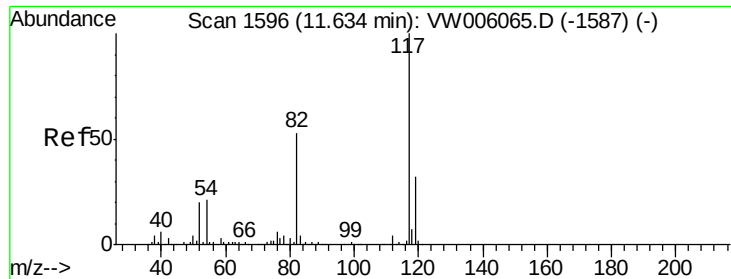
MMDadoda
 10/31/2018 12:31:34 PM



#62
 4-Bromofluorobenzene
 Concen: 47.463 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion: 95 Resp: 118319
 Ion Ratio Lower Upper
 95 100
 174 97.0 0.0 186.0
 176 94.1 0.0 181.6





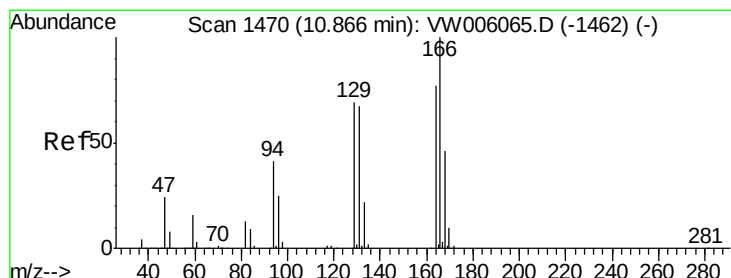
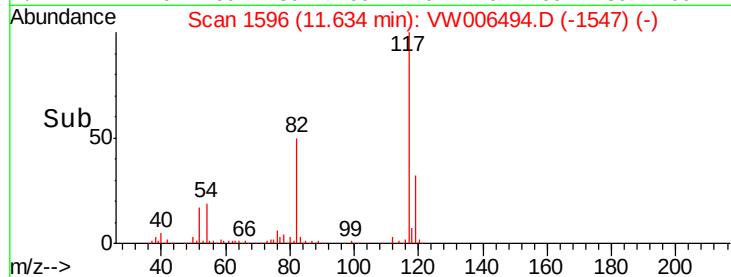
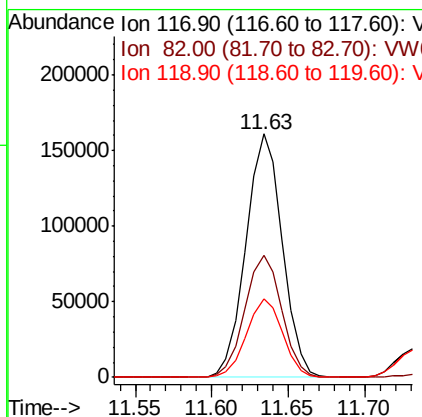
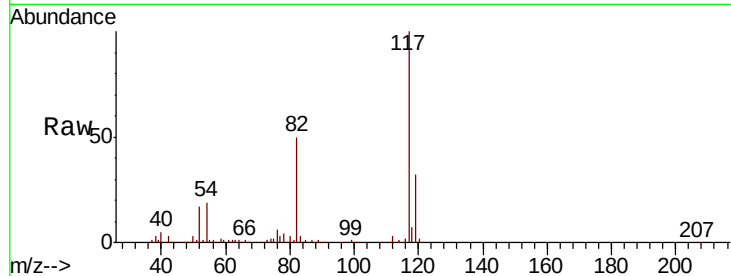
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	265937		
82	50.1	42.1	63.1	
119	32.1	25.8	38.6	

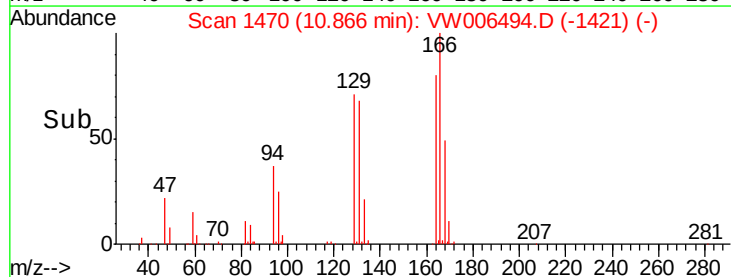
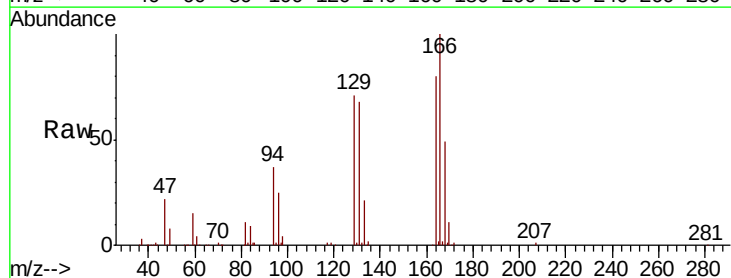
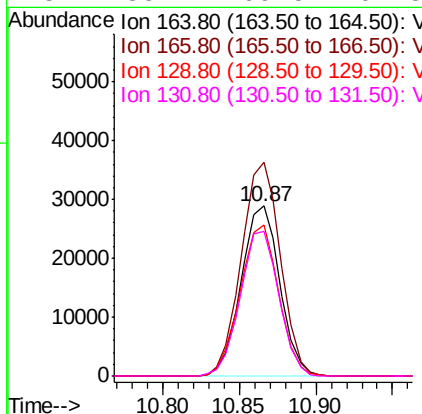
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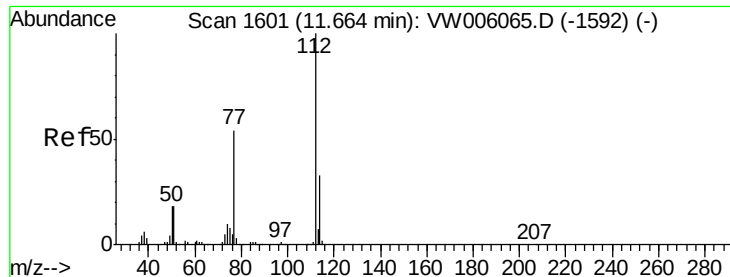
MMDadoda
10/31/2018 12:31:34 PM



#64
Tetrachloroethene
Concen: 24.538 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50658		
166	125.8	103.4	155.0	
129	89.0	71.8	107.8	
131	85.4	69.5	104.3	





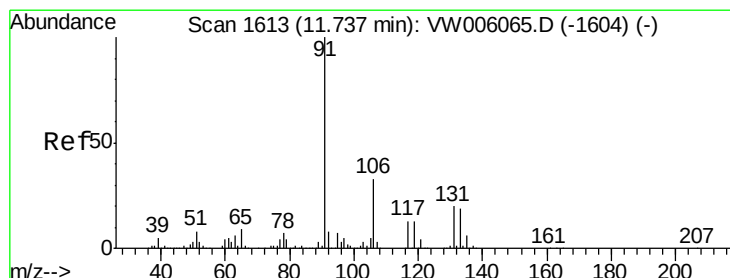
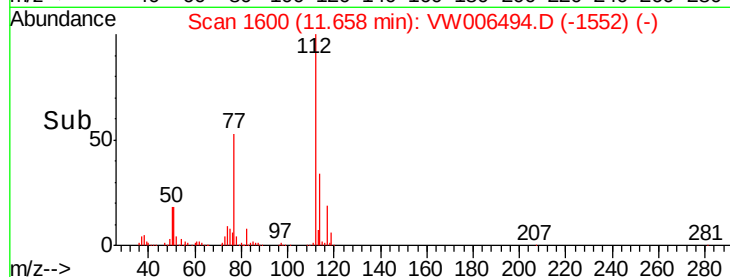
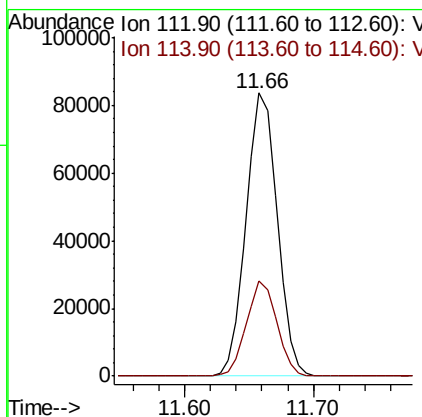
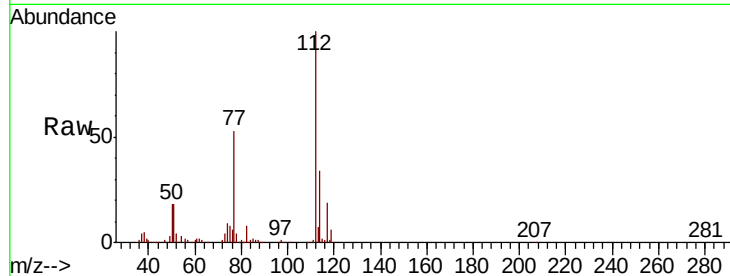
#65
Chlorobenzene
Concen: 24.554 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion:112 Resp: 139782
Ion Ratio Lower Upper
112 100
114 33.6 26.2 39.2

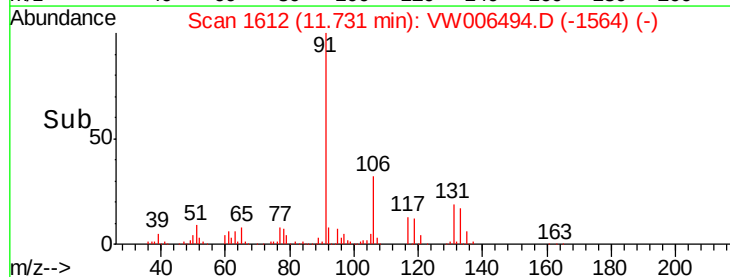
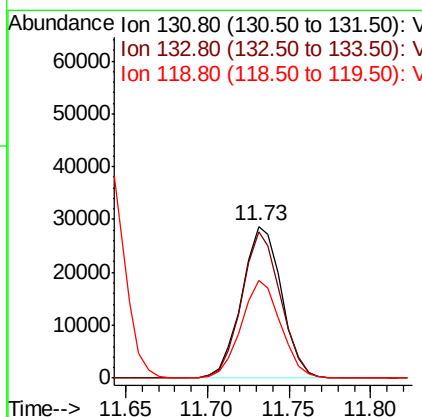
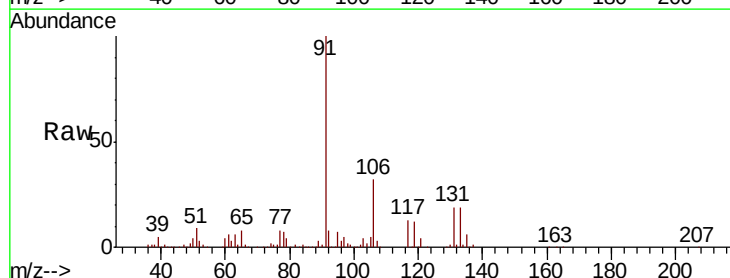
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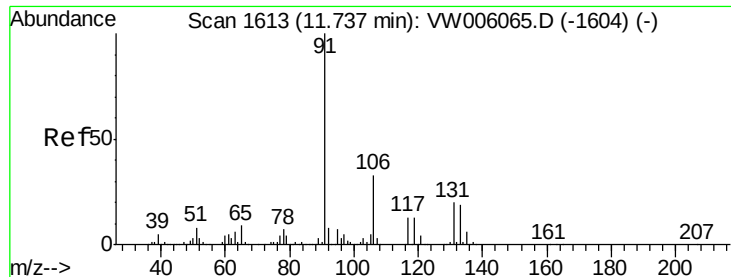
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.096 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion:131 Resp: 48749
Ion Ratio Lower Upper
131 100
133 94.2 48.1 144.3
119 63.6 31.6 94.7





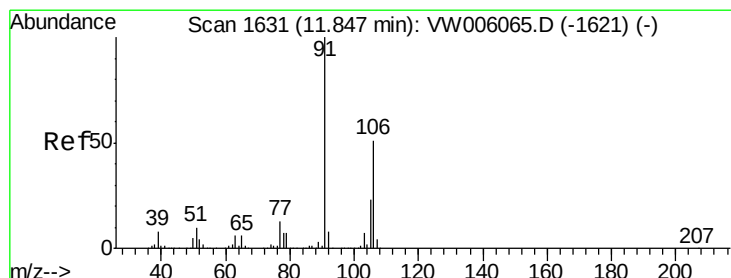
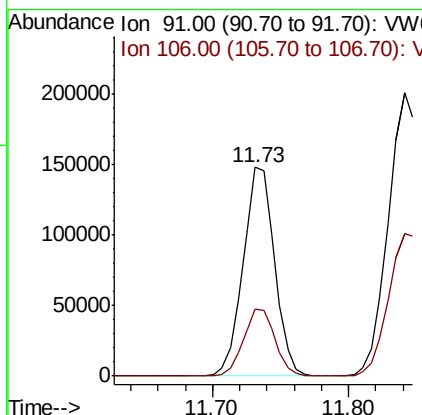
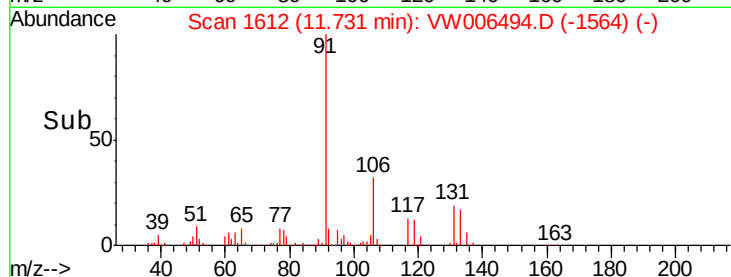
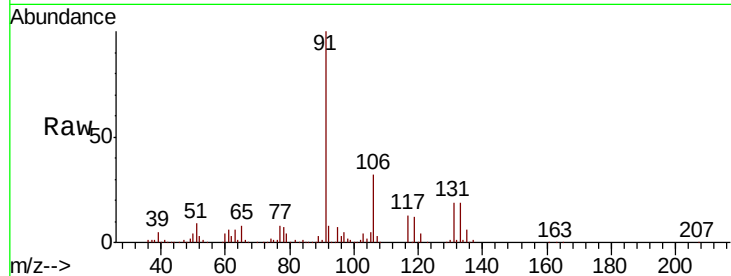
#67
Ethyl Benzene
Concen: 24.268 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion: 91 Resp: 239428
Ion Ratio Lower Upper
91 100
106 32.0 26.1 39.1

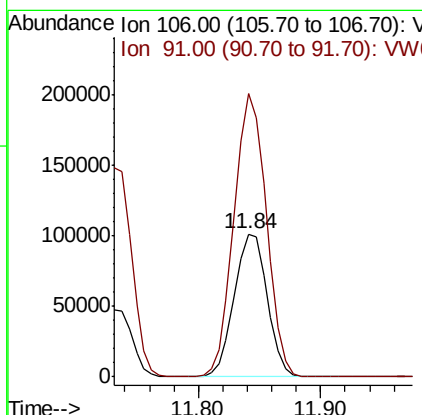
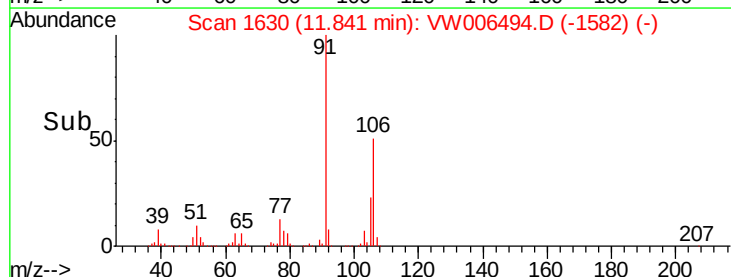
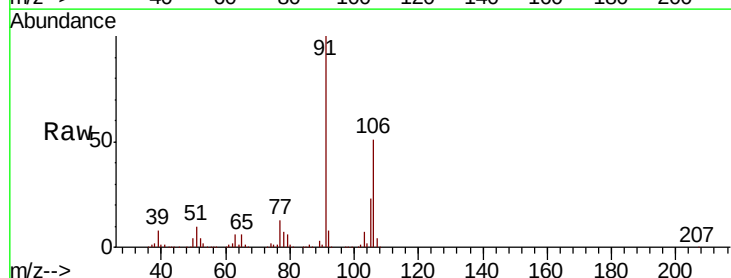
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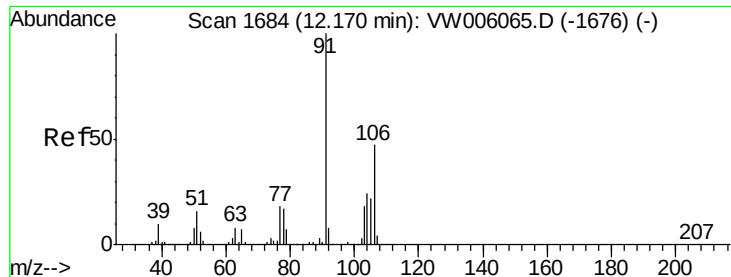
MMDadoda
10/31/2018 12:31:34 PM



#68
m/p-Xylenes
Concen: 48.469 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion: 106 Resp: 189008
Ion Ratio Lower Upper
106 100
91 195.1 159.1 238.7





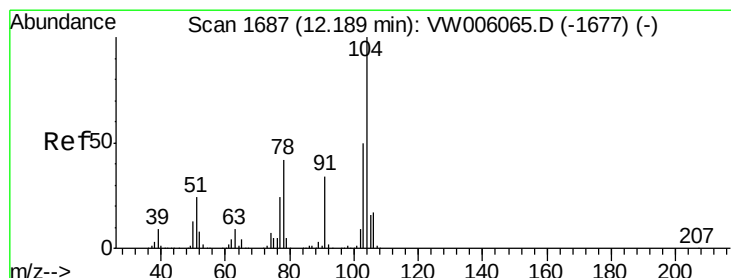
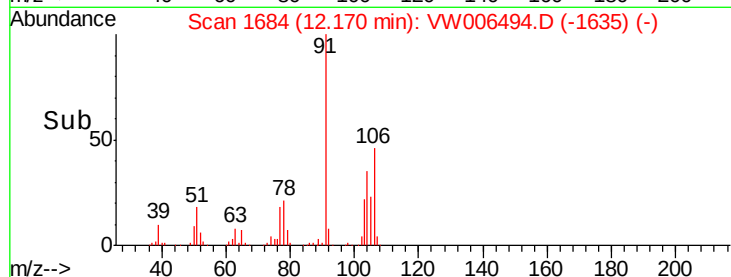
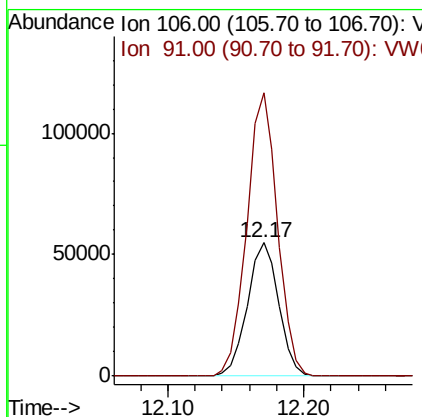
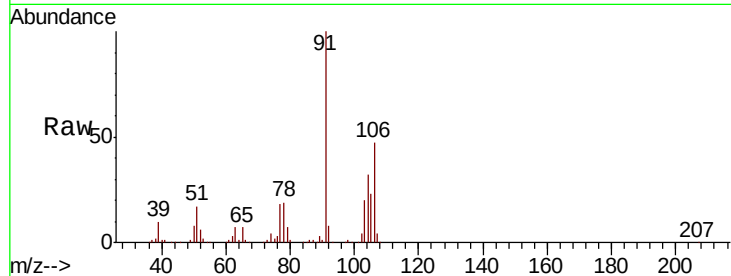
#69
o-Xylene
Concen: 23.764 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	88318		
91	91	208.5		105.4	316.1

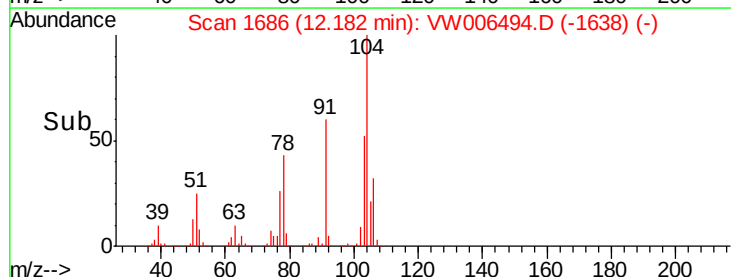
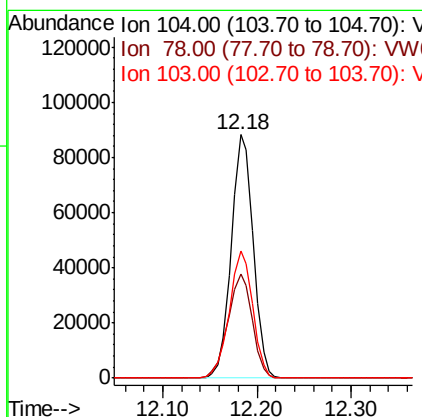
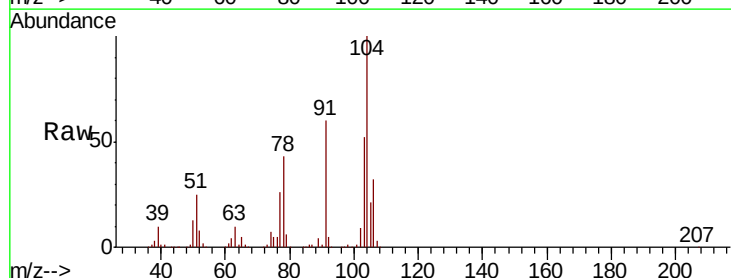
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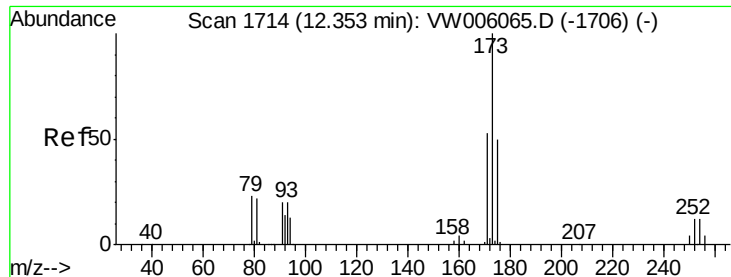
MMDadoda
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#70
Styrene
Concen: 23.635 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	142838		
78	78	47.1		39.1	58.7
103	103	55.7		44.3	66.5





#71

Bromoform

Concen: 20.940 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

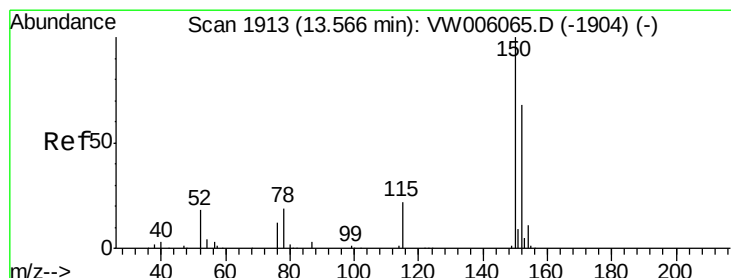
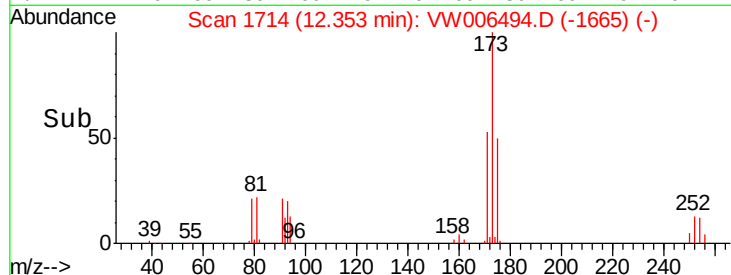
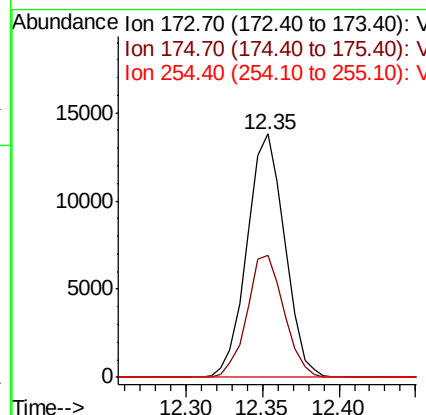
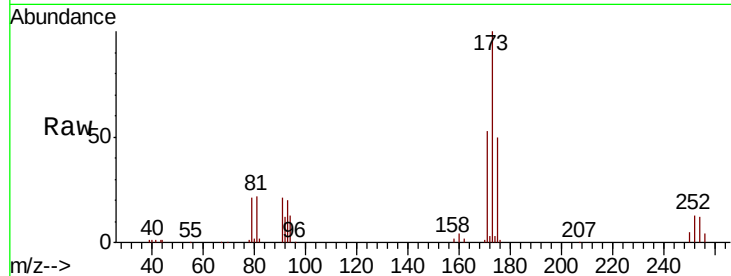
ClientSampleId :

VW1031SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

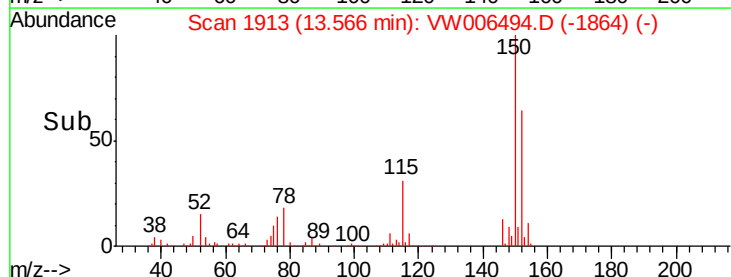
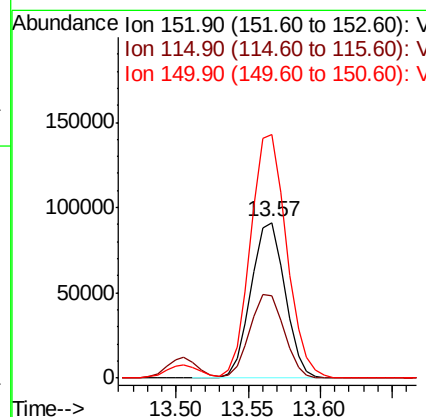
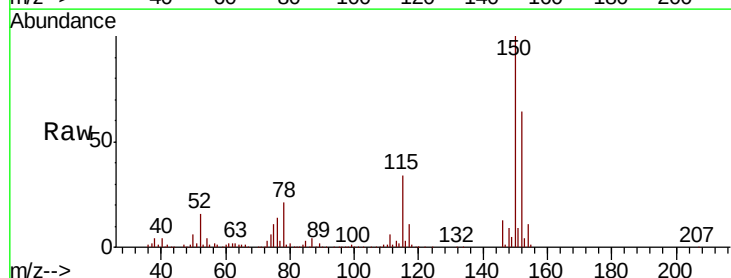
RT: 13.57 min Scan# 1913

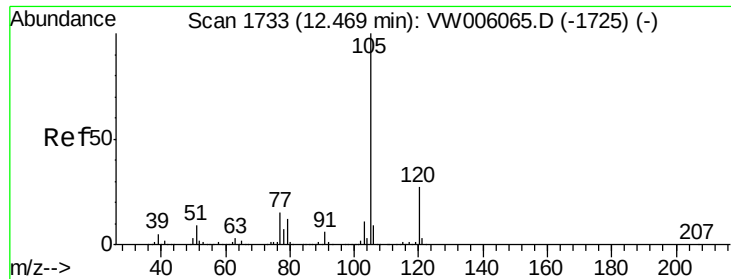
Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.8	83.3
150	165.7	0.0	349.2





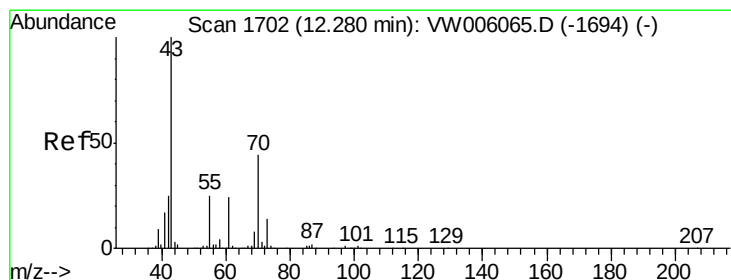
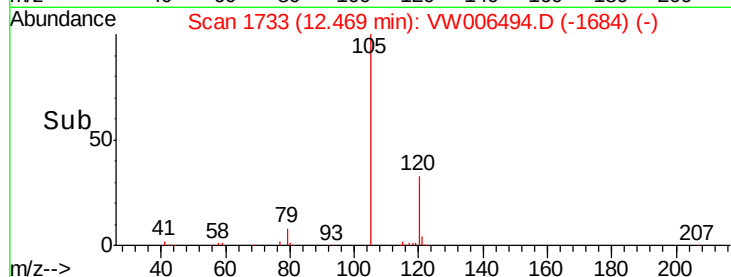
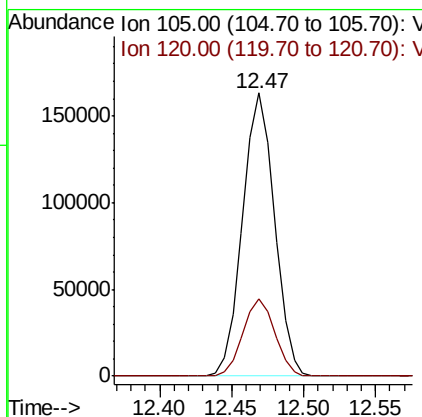
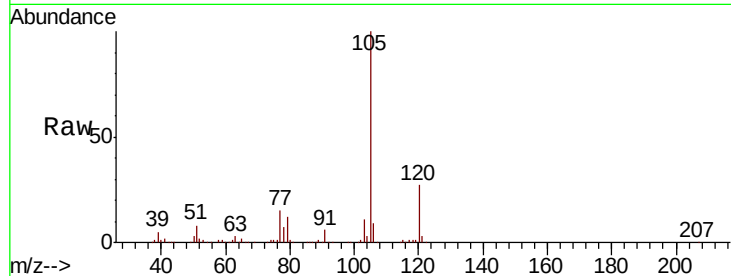
#73
Isopropylbenzene
Concen: 23.860 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.6	40.7

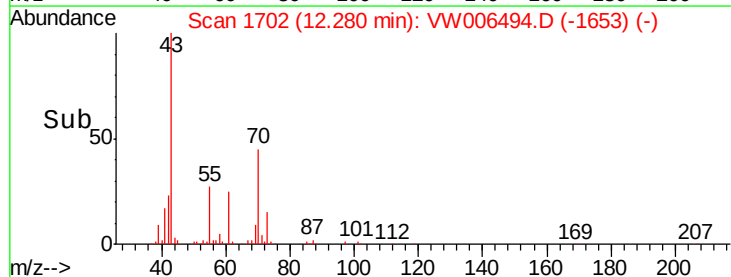
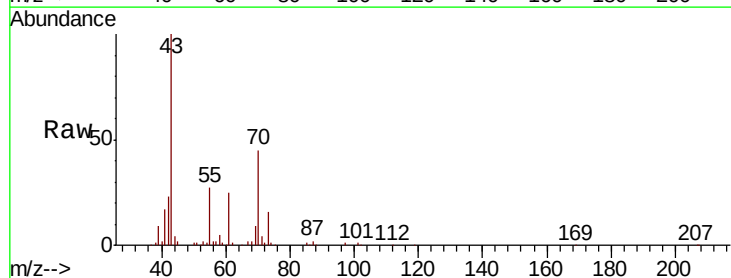
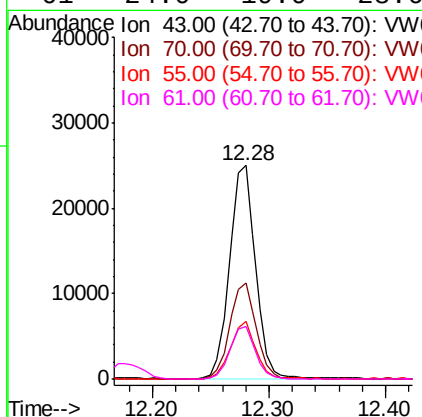
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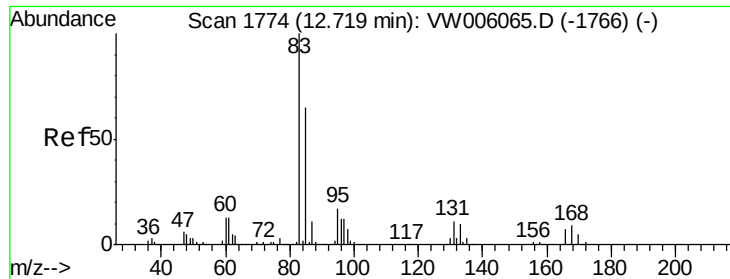
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#74
N-ethyl acetate
Concen: 19.116 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.6	34.2	51.4
55	26.4	19.2	28.8
61	24.0	19.0	28.6





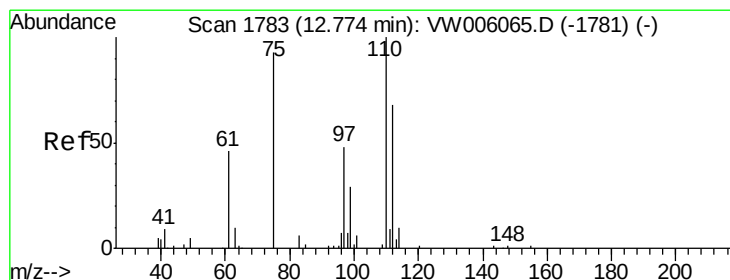
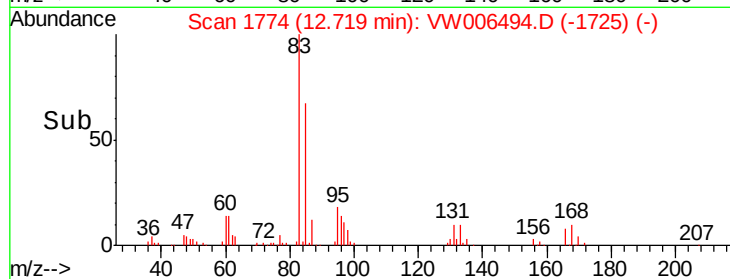
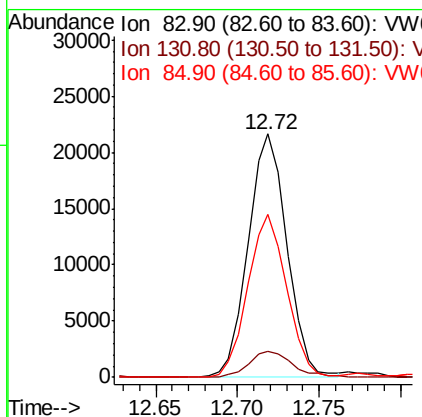
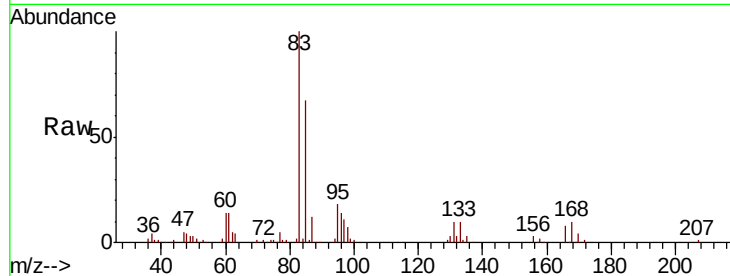
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.346 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	35796		
131	11.9	5.9	17.7	
85	66.8	31.9	95.9	

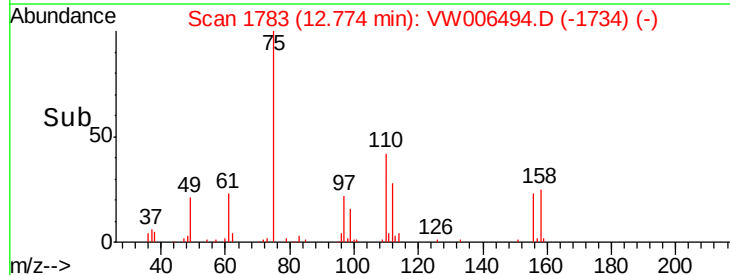
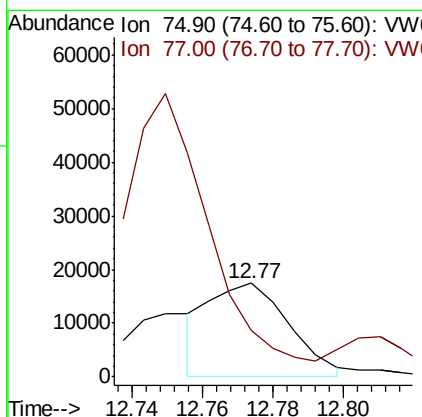
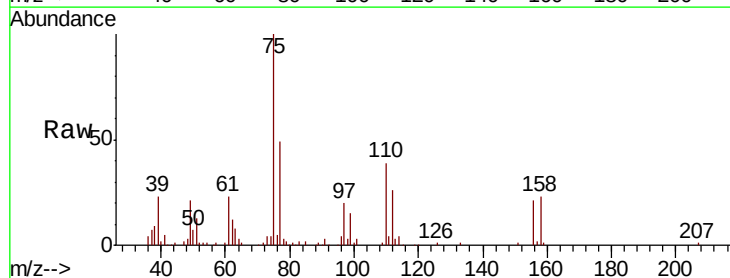
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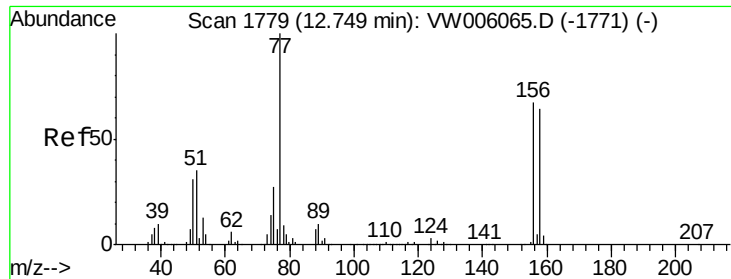
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#76
 1,2,3-Trichloropropane
 Concen: 24.423 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27811		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 24.026 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

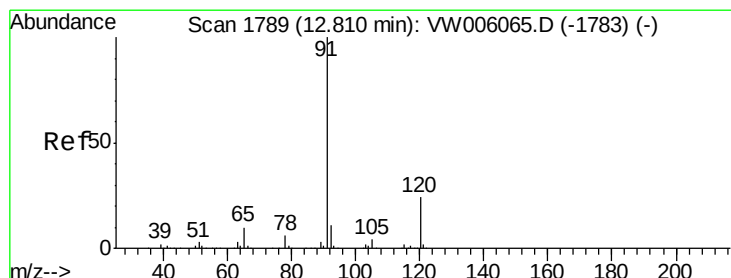
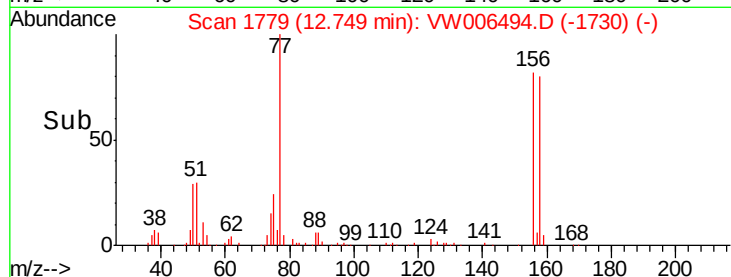
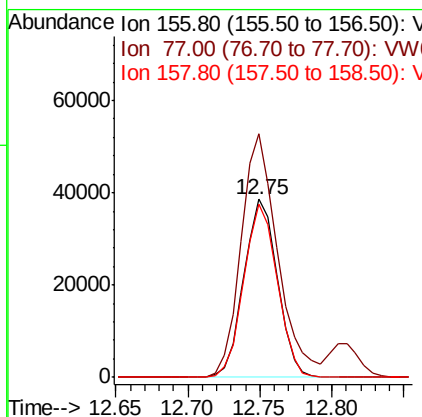
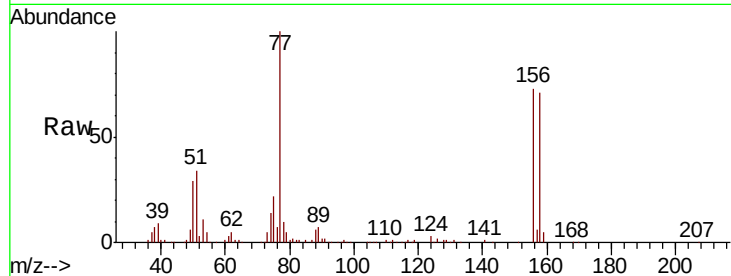
ClientSampleId :

VW1031SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		61980		
77	150.2		79.1	237.4	
158	97.6		48.5	145.6	

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#78

n-propylbenzene

Concen: 23.964 ug/l

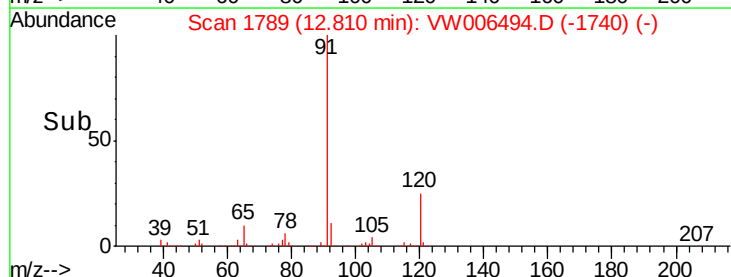
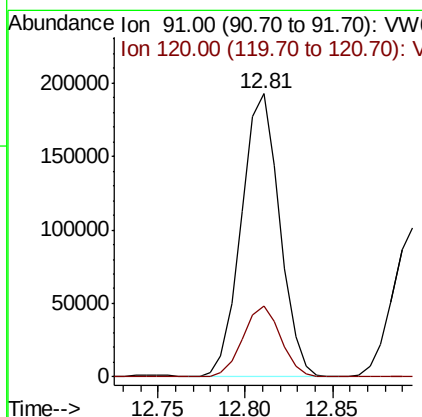
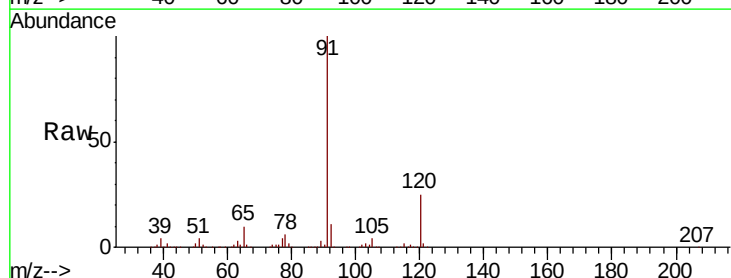
RT: 12.81 min Scan# 1789

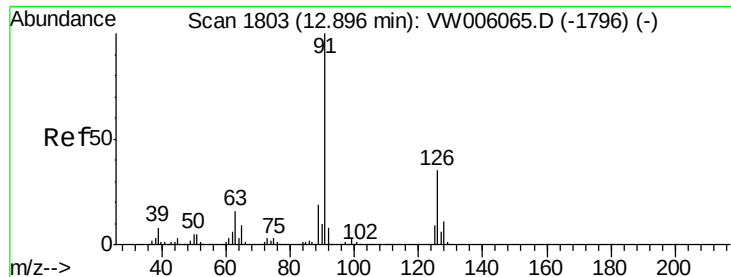
Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		293645		
120	24.8		12.2	36.6	





#79

2-Chlorotoluene

Concen: 23.553 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion: 91 Resp: 162152

Ion Ratio Lower Upper

91 100

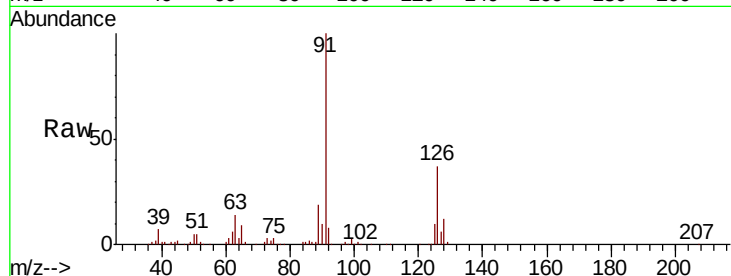
126 37.4 17.9 53.8

Manual Integrations

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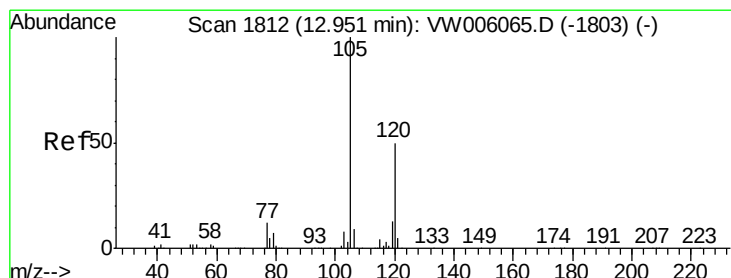
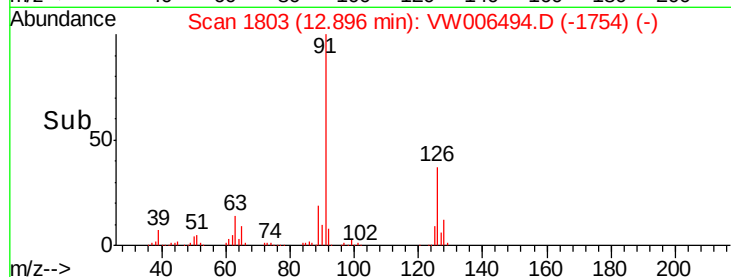
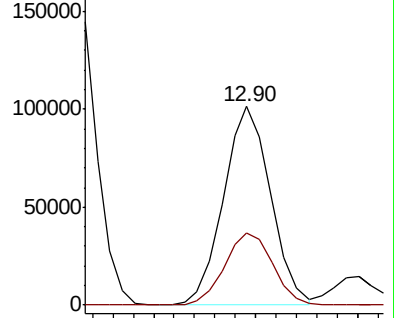
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 23.788 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006494.D

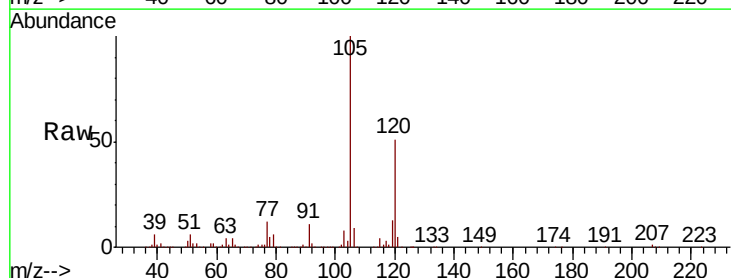
Acq: 30 Oct 2018 11:59

Tgt Ion:105 Resp: 211211

Ion Ratio Lower Upper

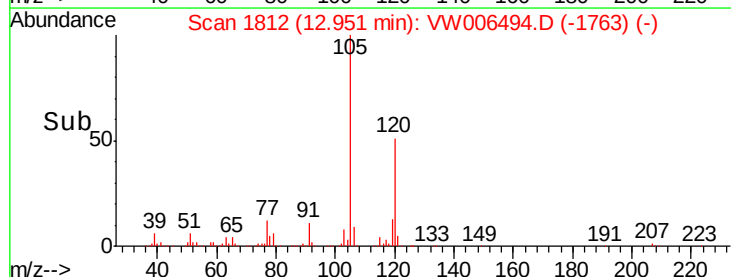
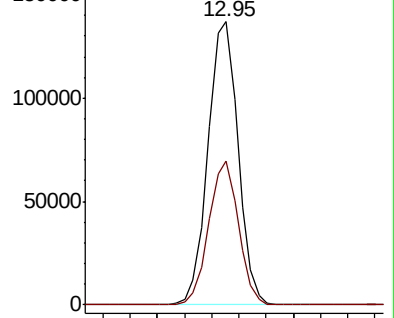
105 100

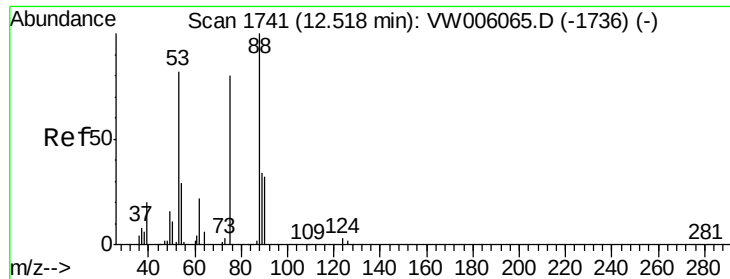
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.747 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

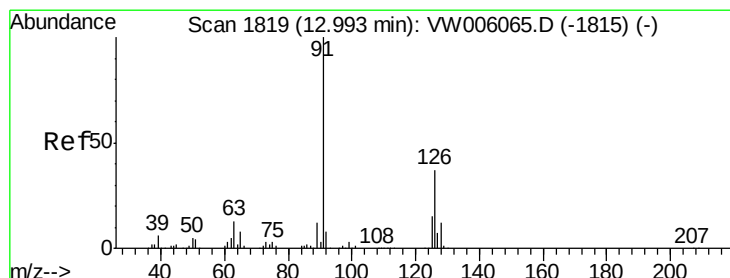
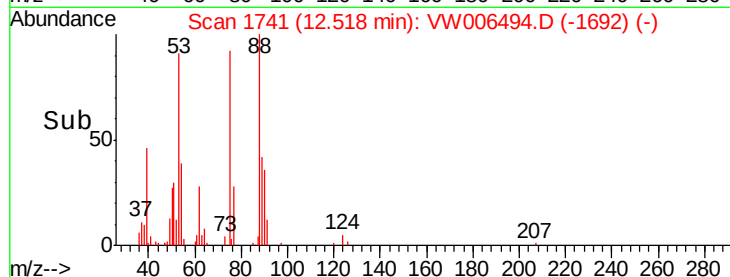
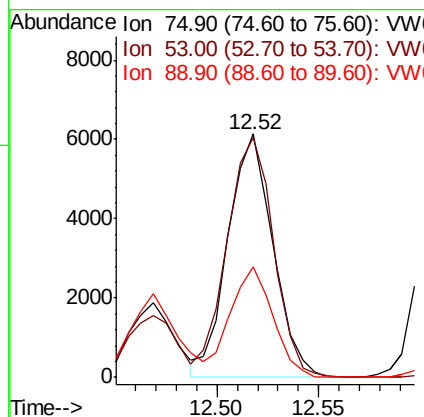
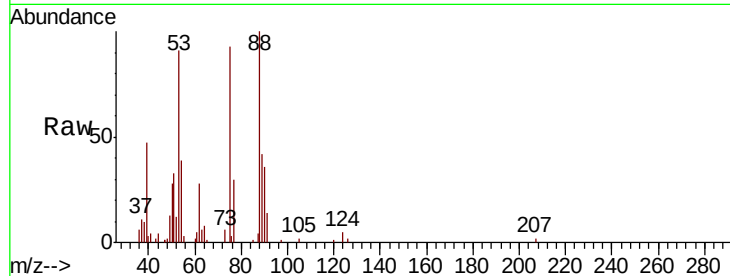
ClientSampleId :

VW1031SBS02

Tot Ion:	75	Resp:	9407
Ion	Ratio	Lower	Upper
75	100		
53	102.4	79.8	119.6
89	42.9	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 23.841 ug/l

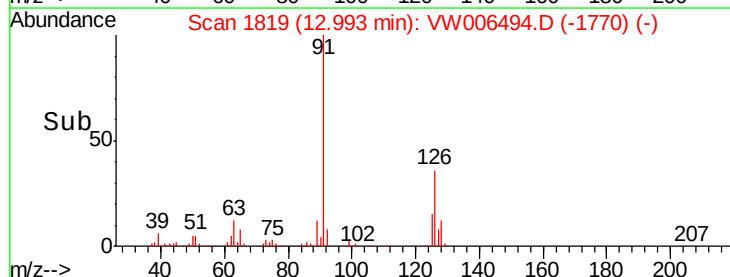
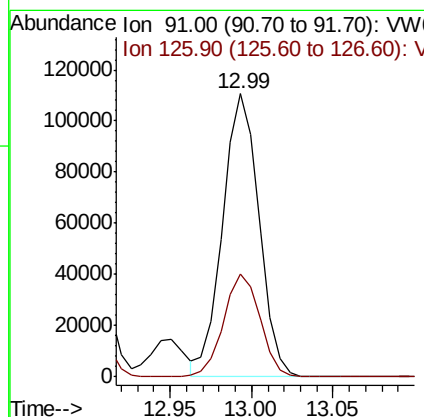
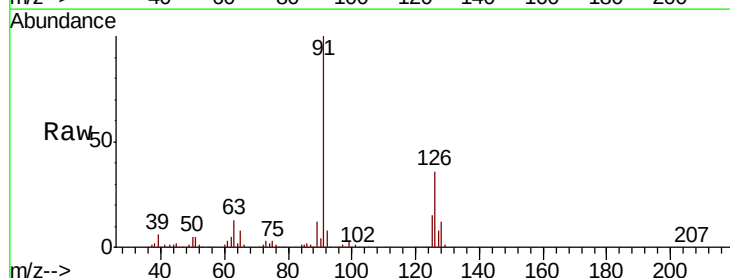
RT: 12.99 min Scan# 1819

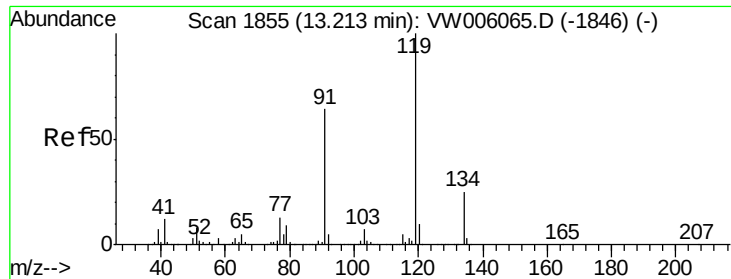
Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion:	91	Resp:	171938
Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.1	54.3





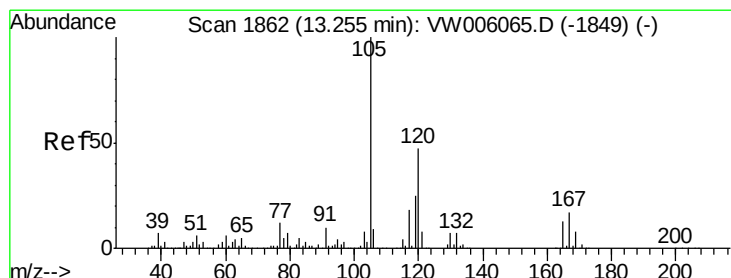
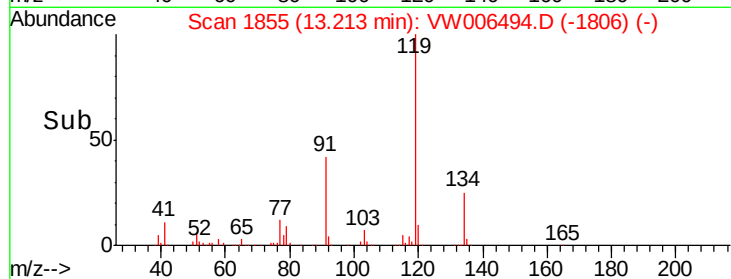
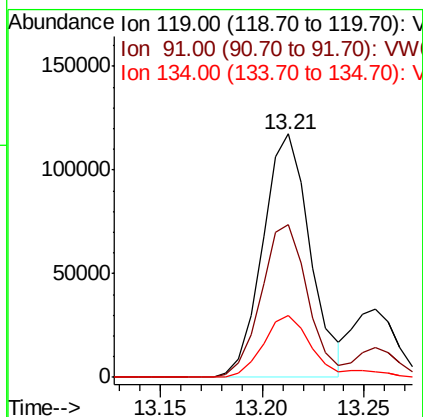
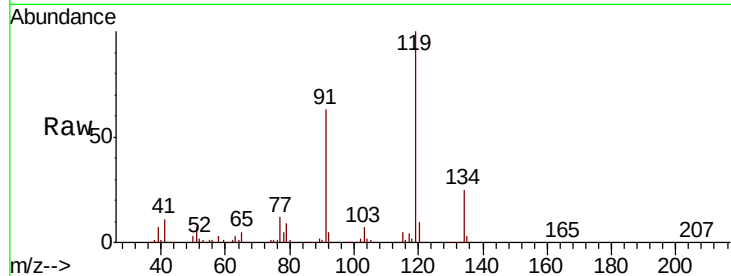
#83
tert-Butylbenzene
Concen: 23.925 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190057		
91	61.5		32.3	96.9
134	27.3		13.6	40.8

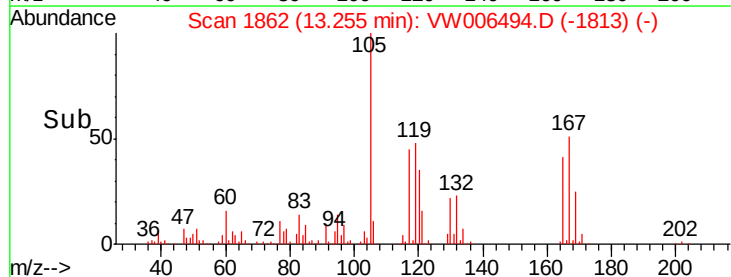
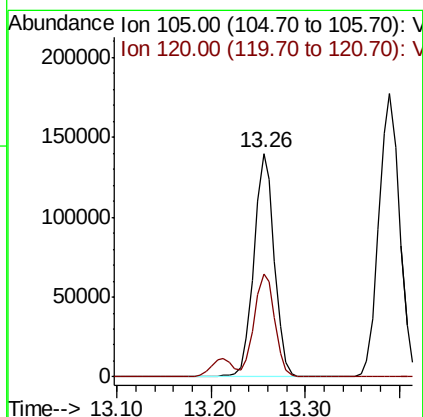
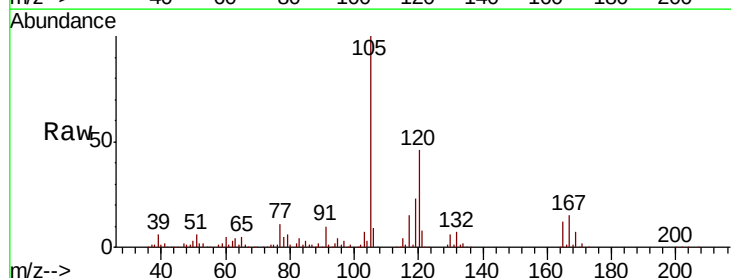
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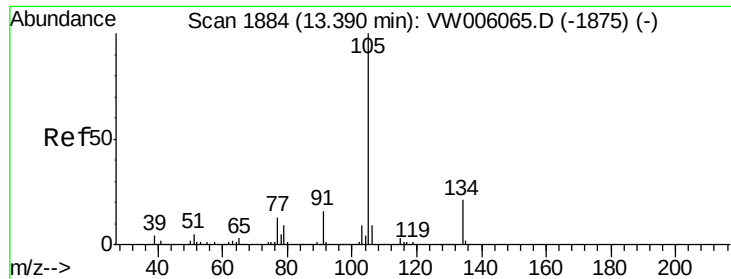
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 23.838 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	214180		
120	46.5		23.1	69.3





#85

sec-Butylbenzene

Concen: 24.197 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS02

Tot Ion:105 Resp: 271553

Ion Ratio Lower Upper

105 100

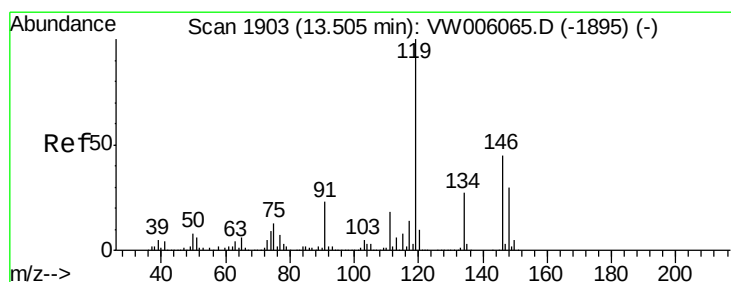
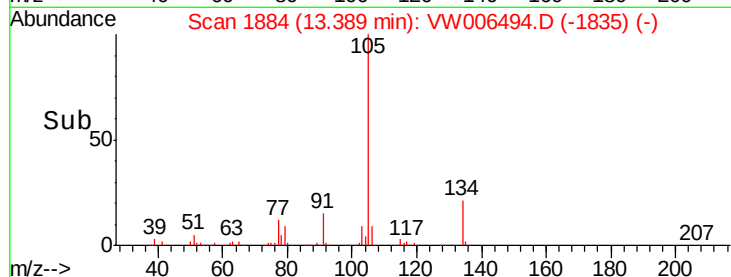
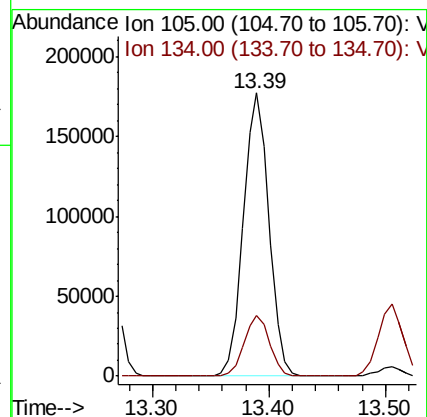
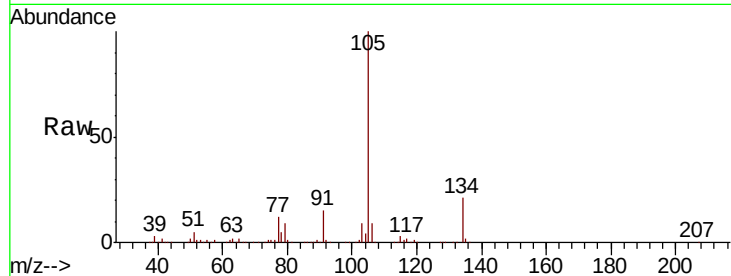
134 21.4 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 23.963 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

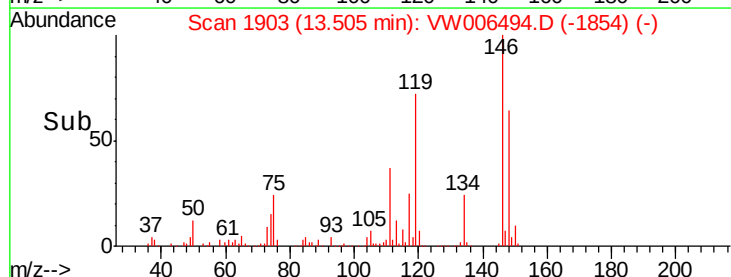
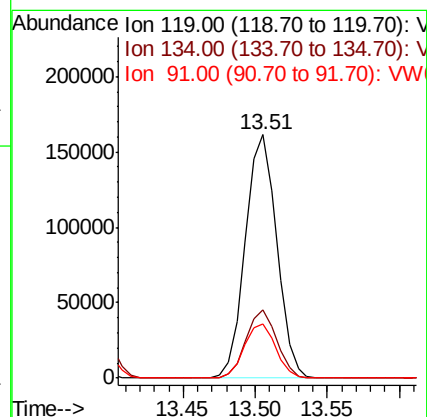
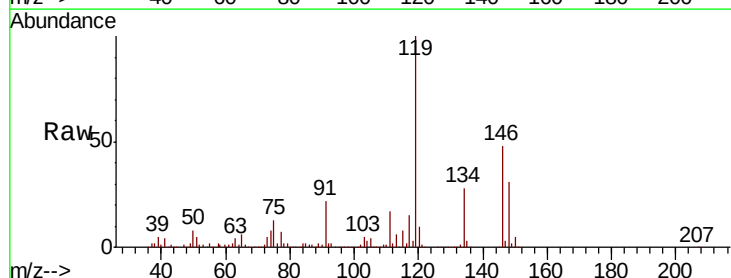
Tgt Ion:119 Resp: 243248

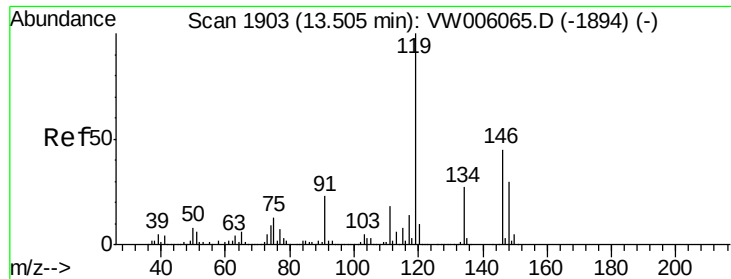
Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.2

91 22.4 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 24.384 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

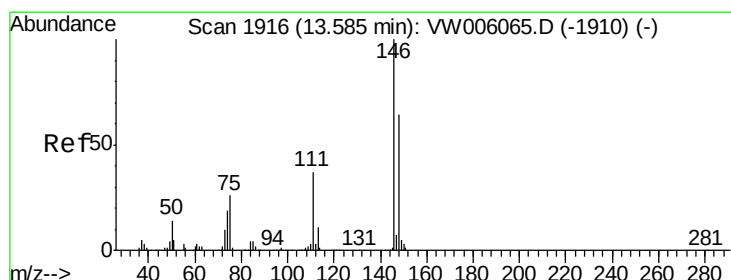
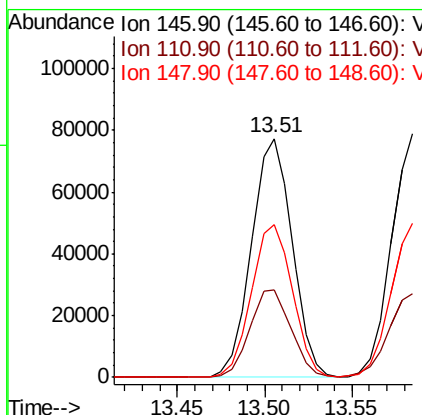
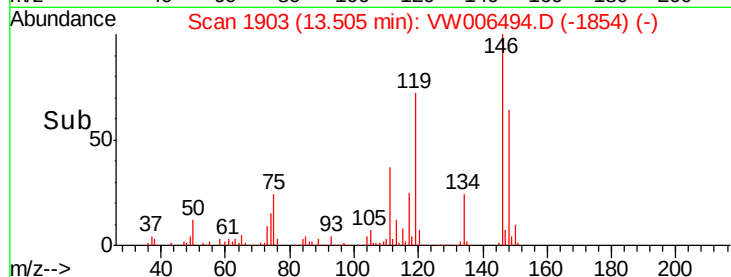
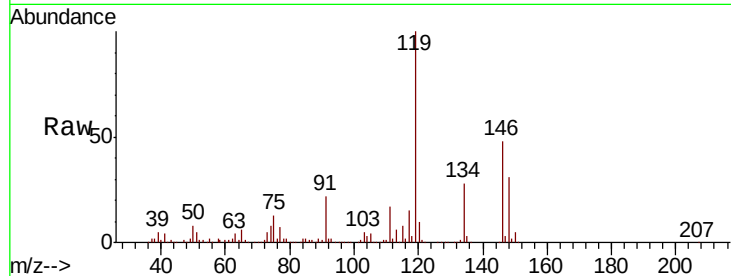
Instrument :
MSVOA_W

ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.5
148	64.3	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 24.182 ug/l

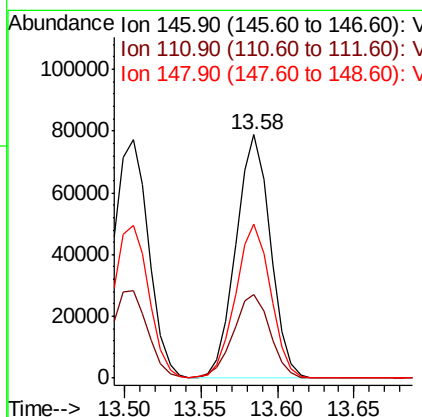
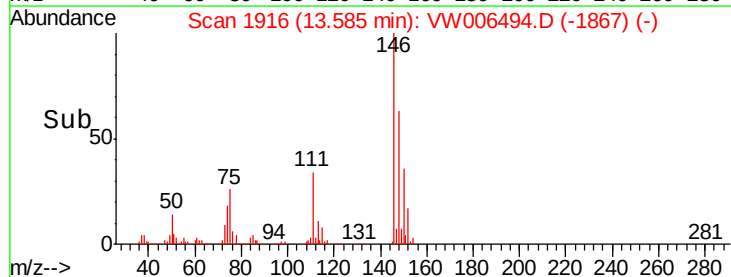
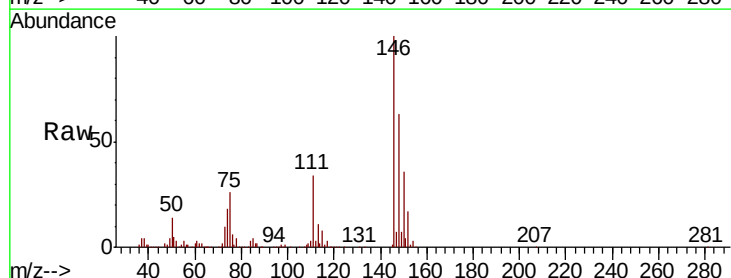
RT: 13.58 min Scan# 1916

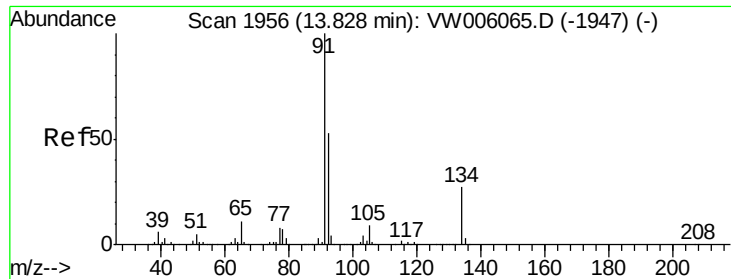
Delta R.T. -0.00 min

Lab File: VW006494.D

Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	56.0
148	64.4	32.1	96.5





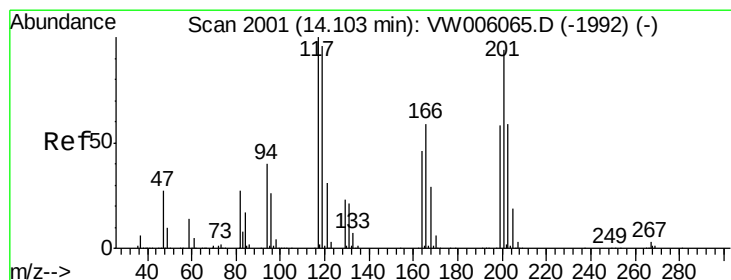
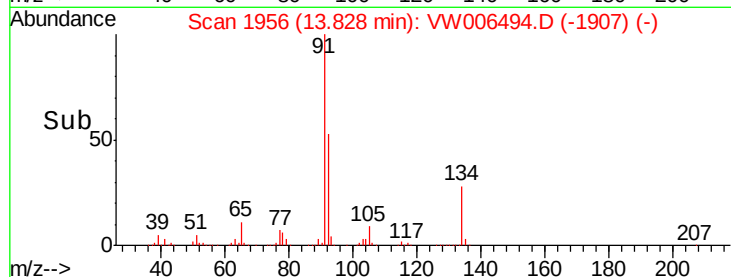
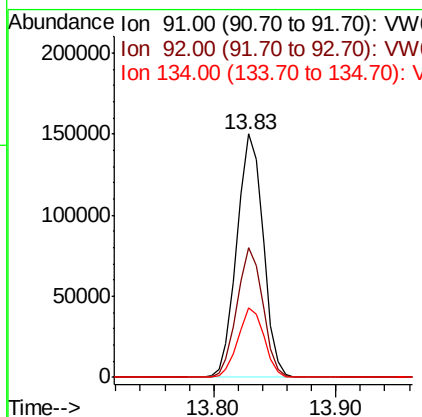
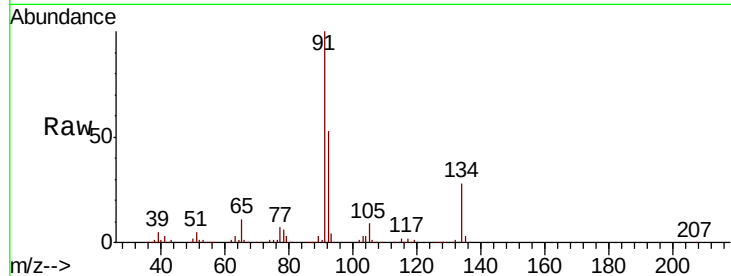
#89
n-Butylbenzene
Concen: 24.052 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.7
134	28.3	14.0	41.9

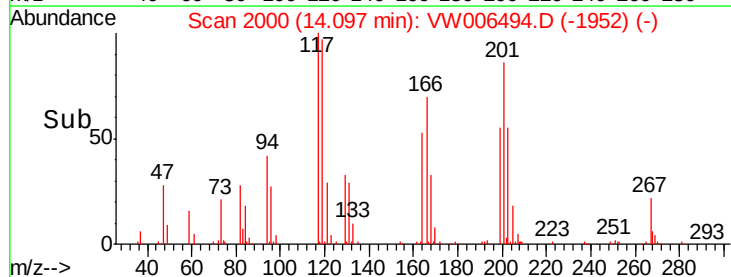
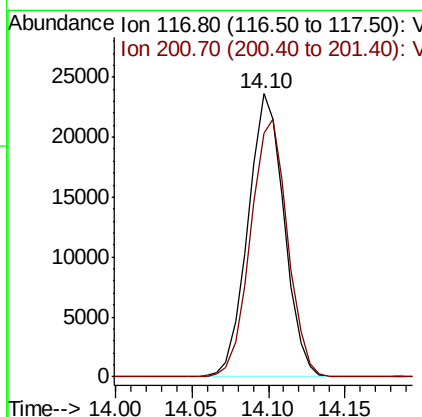
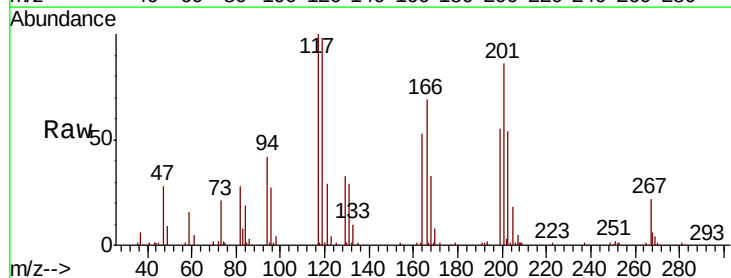
Manual Integrations
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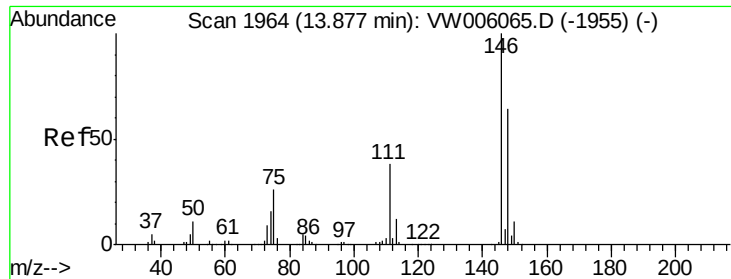
MMDadoda
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#90
Hexachloroethane
Concen: 22.601 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.6	45.3	135.9





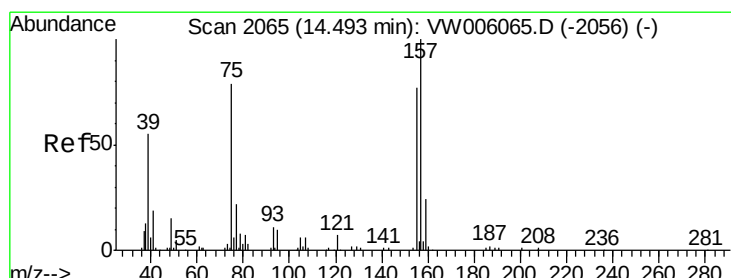
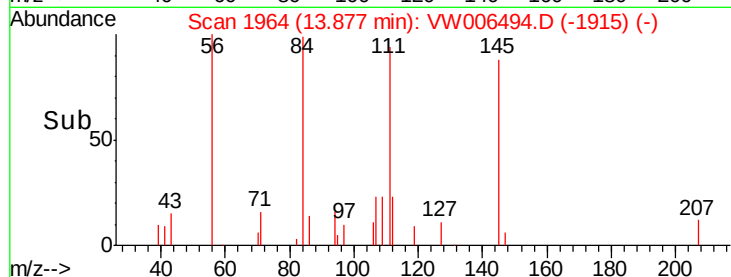
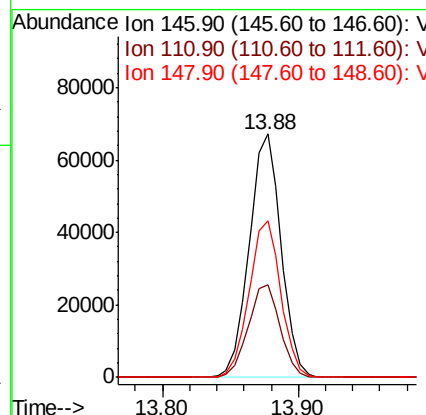
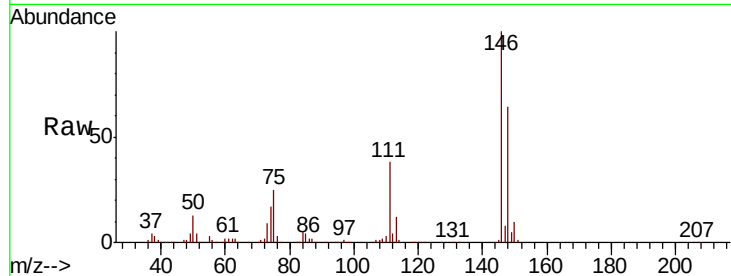
#91
 1,2-Dichlorobenzene
 Concen: 23.945 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.6	58.7
148	64.2	32.2	96.6

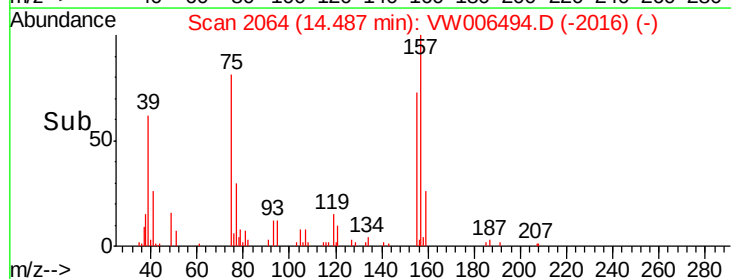
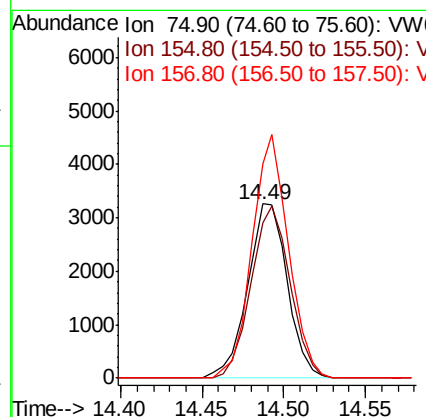
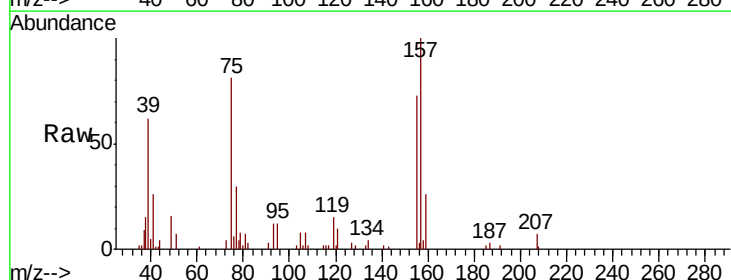
Manual Integrations
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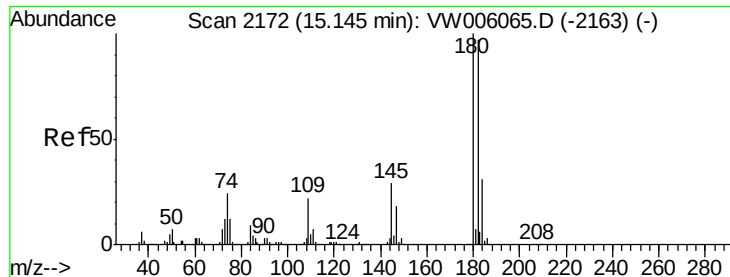
MMDadoda
 10/31/2018 12:31:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.211 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	46.5	139.5
157	128.0	59.8	179.4





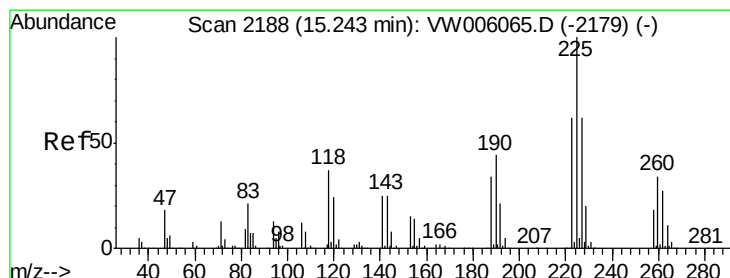
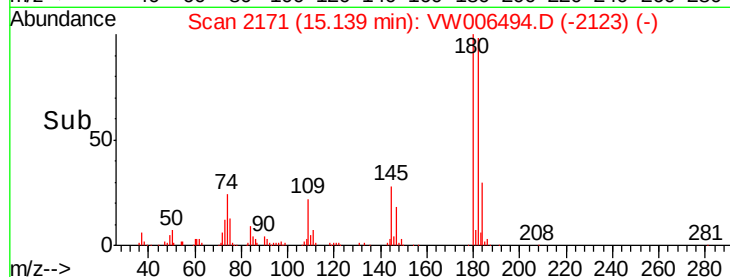
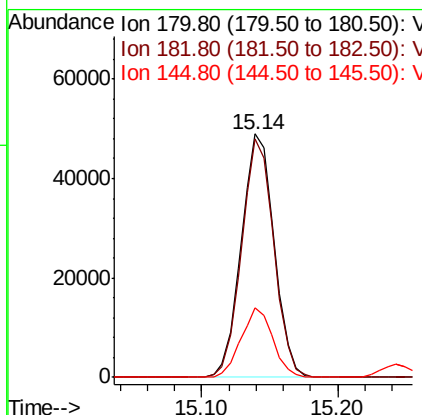
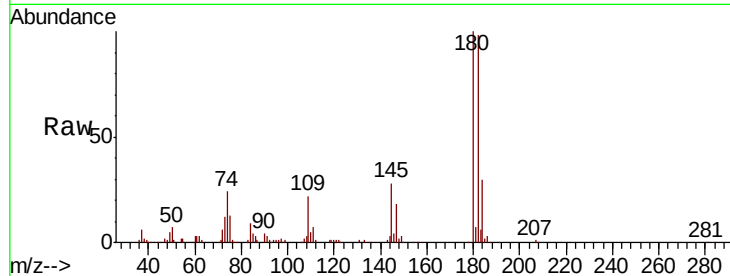
#93
 1,2,4-Trichlorobenzene
 Concen: 23.399 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.9	143.6	
145	27.6	14.2	42.8	

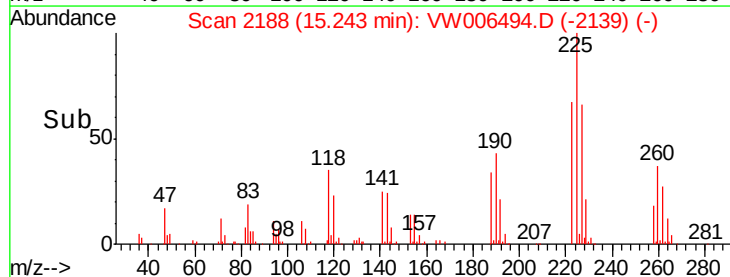
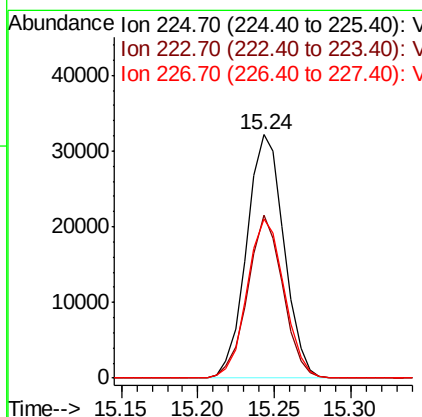
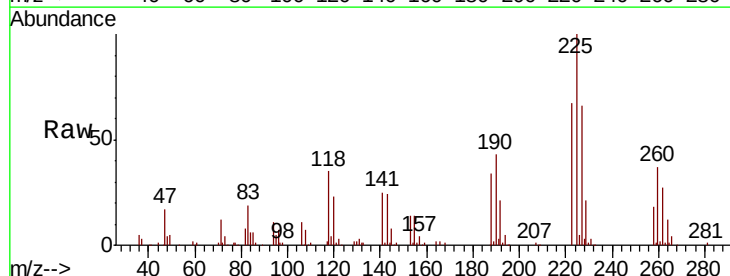
Manual Integrations
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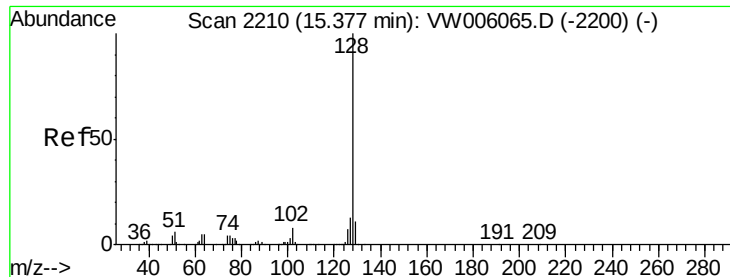
MMDadoda
 10/31/2018 12:31:34 PM



#94
 Hexachlorobutadiene
 Concen: 24.682 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006494.D
 Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	31.1	93.5	
227	64.9	32.4	97.0	





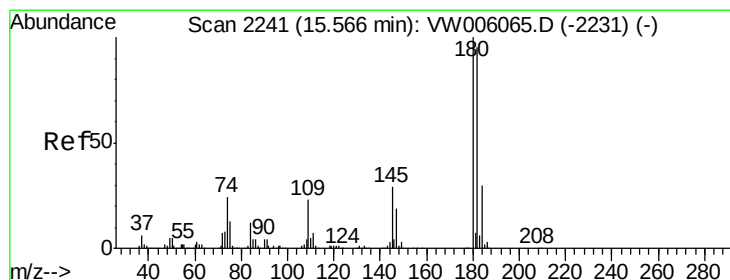
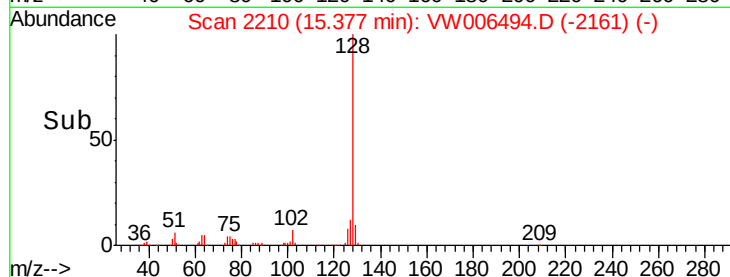
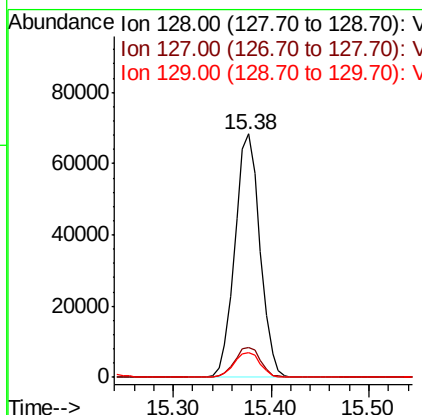
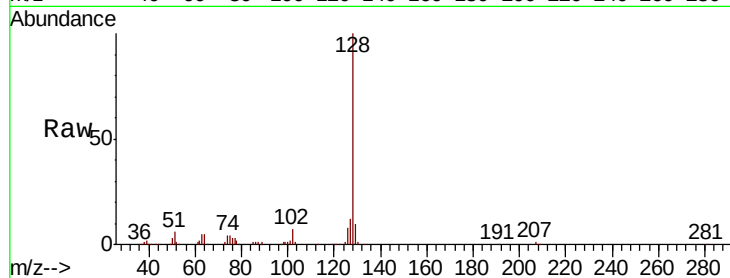
#95
Naphthalene
Concen: 20.722 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/31/2018 12:31:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.948 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006494.D
Acq: 30 Oct 2018 11:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.8	143.3
145	29.2	15.0	45.1

