

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007021.D
 Acq On : 22 Nov 2018 02:27
 Operator : VAY/AP
 Sample : VW1122SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1122SBSD02

Manual Integrations
 APPROVED

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 11/26/2018 1:04:53 PM

Quant Time: Nov 22 06:03:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	106498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	161346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	59981	57.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.06%	
35) Dibromofluoromethane	7.88	113	52659	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
50) Toluene-d8	10.32	98	225197	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.62	95	86765	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	25781	24.518	ug/l	98
3) Chloromethane	2.21	50	20432	23.317	ug/l	93
4) Vinyl Chloride	2.36	62	19571	22.700	ug/l	98
5) Bromomethane	2.77	94	10160	22.079	ug/l	100
6) Chloroethane	2.91	64	10609	22.322	ug/l	95
7) Trichlorofluoromethane	3.26	101	38542	22.734	ug/l	96
8) Diethyl Ether	3.68	74	13537	24.781	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	24161	21.983	ug/l	98
10) Methyl Iodide	4.27	142	25697	20.424	ug/l	99
11) Tert butyl alcohol	5.21	59	10266	151.249	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	22058	22.883	ug/l	95
13) Acrolein	3.90	56	7200	103.293	ug/l	98
14) Allyl chloride	4.67	41	35372	22.123	ug/l	97
15) Acrylonitrile	5.38	53	25330	123.371	ug/l	99
16) Acetone	4.14	43	19007	125.559	ug/l	98
17) Carbon Disulfide	4.38	76	71320	22.885	ug/l	100
18) Methyl Acetate	4.68	43	13657	25.334	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	64684	25.699	ug/l	94
20) Methylene Chloride	4.92	84	29641	21.491	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	25766	22.946	ug/l	98
22) Diisopropyl ether	6.31	45	75238	24.177	ug/l	99
23) Vinyl Acetate	6.26	43	209042	126.495	ug/l	99
24) 1,1-Dichloroethane	6.21	63	44152	23.322	ug/l	100
25) 2-Butanone	7.17	43	32538	125.498	ug/l	100
26) 2,2-Dichloropropane	7.17	77	37511	22.034	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	28426	23.772	ug/l	99
28) Bromochloromethane	7.51	49	14864	21.007	ug/l #	97
29) Tetrahydrofuran	7.53	42	20689	123.210	ug/l	99
30) Chloroform	7.68	83	47240	23.488	ug/l	98
31) Cyclohexane	7.95	56	46230	23.022	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	43898	24.232	ug/l	99
36) 1,1-Dichloropropene	8.08	75	40225	23.957	ug/l	99
37) Ethyl Acetate	7.25	43	15866	26.076	ug/l	98
38) Carbon Tetrachloride	8.07	117	37337	23.222	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	45367	21.591	ug/l	99
40) Benzene	8.32	78	105836	23.351	ug/l	97
41) Methacrylonitrile	7.49	41	9533	25.229	ug/l	94
42) 1,2-Dichloroethane	8.40	62	31828	24.188	ug/l	100
43) Isopropyl Acetate	8.42	43	28943	24.962	ug/l	98
44) Trichloroethene	9.09	130	30391	23.920	ug/l	99
45) 1,2-Dichloropropane	9.37	63	26670	23.871	ug/l	100
46) Dibromomethane	9.46	93	13589	24.288	ug/l	99
47) Bromodichloromethane	9.65	83	35918	24.366	ug/l	99
48) Methyl methacrylate	9.44	41	13012	23.274	ug/l	94
49) 1,4-Dioxane	9.47	88	3647	438.556	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	71611	122.213	ug/l	100
52) Toluene	10.39	92	69893	22.660	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	33368	23.367	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	40776	23.635	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	19982	24.274	ug/l	97
56) Ethyl methacrylate	10.65	69	22821	23.883	ug/l	99
57) 1,3-Dichloropropane	10.93	76	34404	24.940	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	54653	109.457	ug/l	99
59) 2-Hexanone	10.97	43	47906	119.390	ug/l	100
60) Dibromochloromethane	11.13	129	22651	24.149	ug/l	99
61) 1,2-Dibromoethane	11.24	107	18743	24.890	ug/l	100
64) Tetrachloroethene	10.87	164	24928	24.016	ug/l	98
65) Chlorobenzene	11.66	112	77335	22.965	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	24468	24.019	ug/l	99
67) Ethyl Benzene	11.73	91	137624	22.246	ug/l	99
68) m/p-Xylenes	11.84	106	108862	44.853	ug/l	99
69) o-Xylene	12.17	106	50755	22.178	ug/l	100
70) Styrene	12.18	104	82505	22.651	ug/l	99
71) Bromoform	12.35	173	11754	24.493	ug/l #	100
73) Isopropylbenzene	12.47	105	139817	22.834	ug/l	99
74) N-amyl acetate	12.27	43	24265	23.645	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	20344	24.965	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	15195m	24.544	ug/l	
77) Bromobenzene	12.75	156	30598	23.266	ug/l	99
78) n-propylbenzene	12.81	91	166430	22.439	ug/l	99
79) 2-Chlorotoluene	12.90	91	97258	22.742	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	119222	22.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5405	21.919	ug/l	94
82) 4-Chlorotoluene	12.99	91	101678	22.656	ug/l	100
83) tert-Butylbenzene	13.21	119	101979	22.245	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	118829	22.525	ug/l	97
85) sec-Butylbenzene	13.39	105	143060	22.089	ug/l	98
86) p-Isopropyltoluene	13.50	119	126680	22.172	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	61495	22.904	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	61026	22.797	ug/l	99
89) n-Butylbenzene	13.83	91	116701	21.705	ug/l	99
90) Hexachloroethane	14.10	117	19308	23.147	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	54543	23.184	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3412	24.792	ug/l	94

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ClientSampleId :
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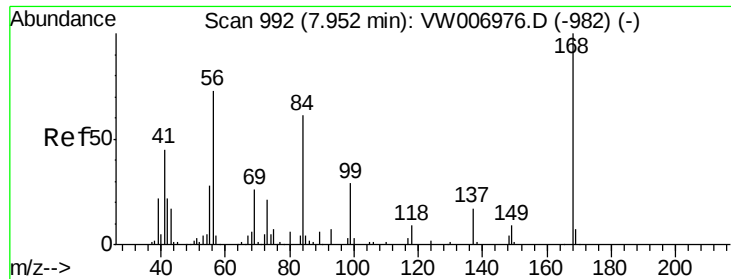
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33646	21.689	ug/l	98
94) Hexachlorobutadiene	15.24	225	18553	21.999	ug/l	98
95) Naphthalene	15.37	128	61798	21.945	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	28321	22.005	ug/l	100

(#) = 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: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBSD02

Tot Ion:168 Resp: 106498

Ion Ratio Lower Upper

168 100

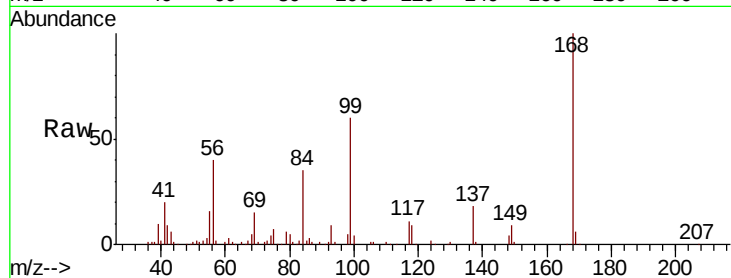
99 59.8 48.2 72.4

Manual Integrations

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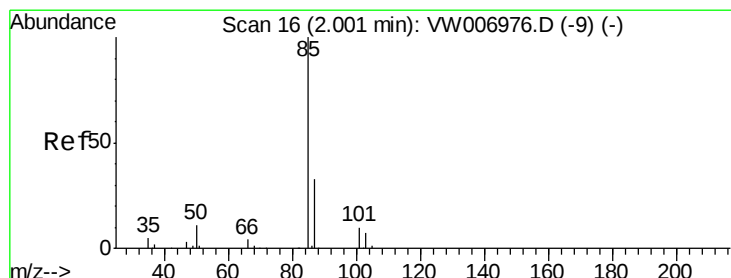
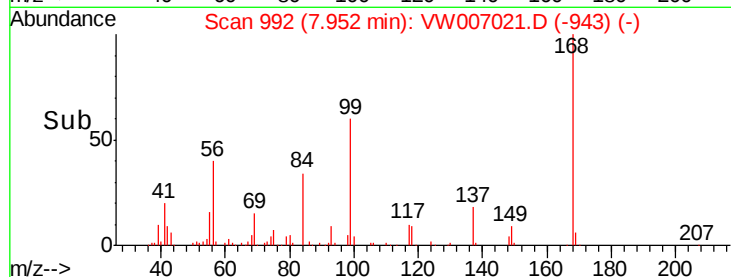
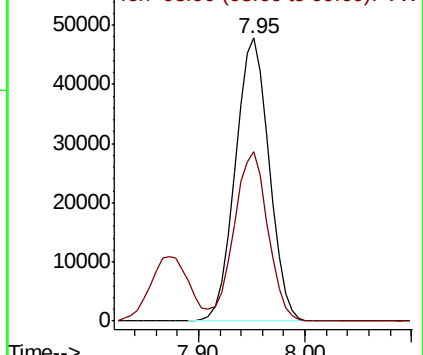
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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 24.518 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW007021.D

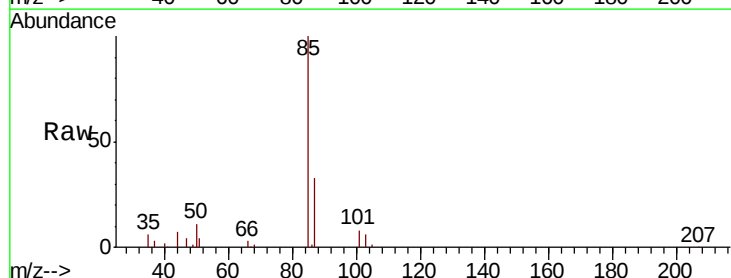
Acq: 22 Nov 2018 02:27

Tgt Ion: 85 Resp: 25781

Ion Ratio Lower Upper

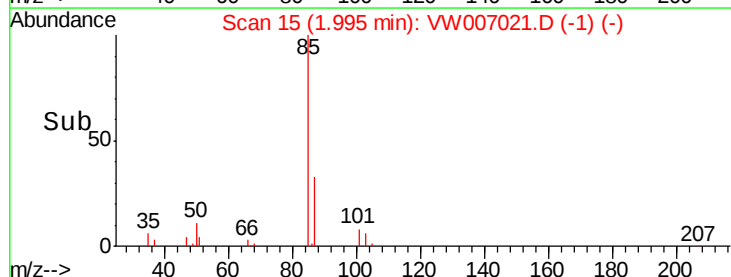
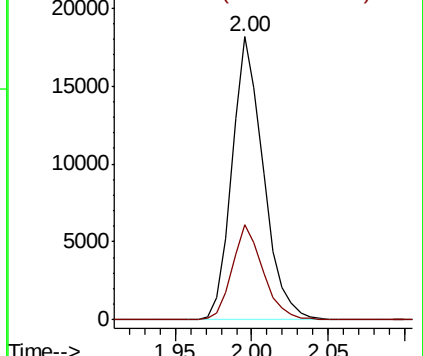
85 100

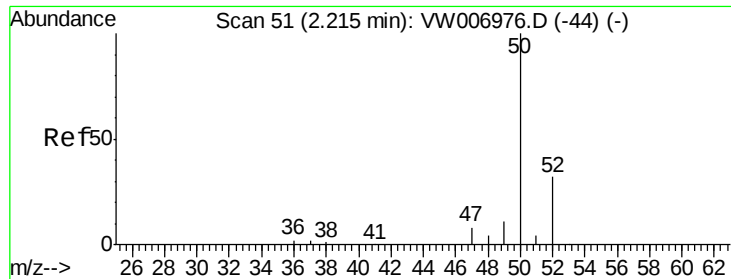
87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 23.317 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBSD02

Tot Ion: 50 Resp: 20432

Ion Ratio Lower Upper

50 100

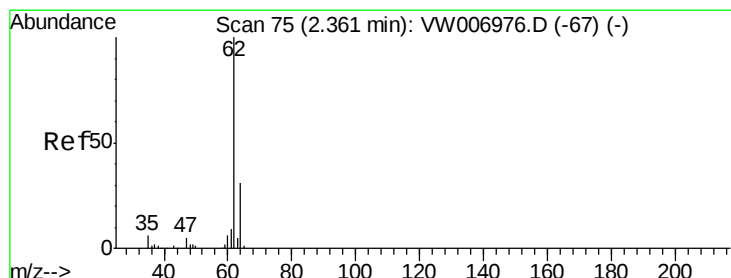
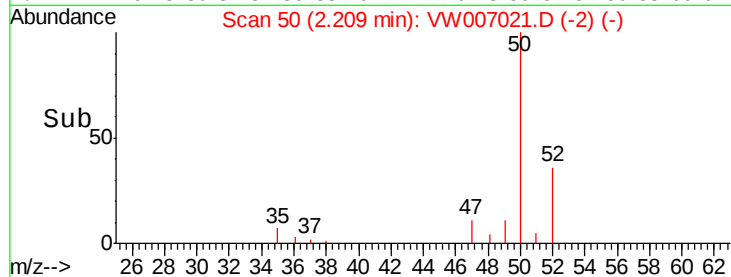
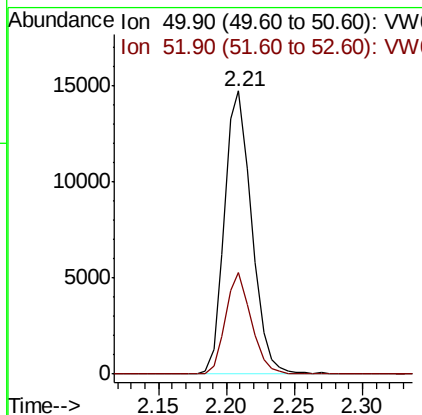
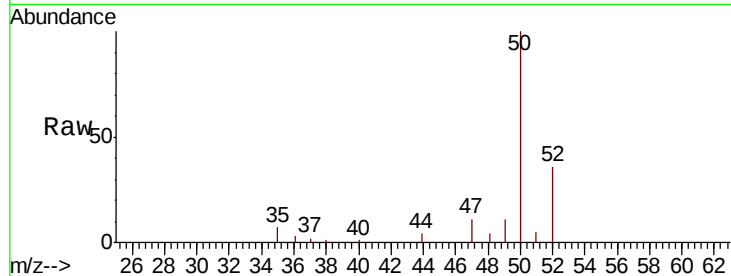
52 36.0 25.7 38.5

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#4

Vinyl Chloride

Concen: 22.700 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007021.D

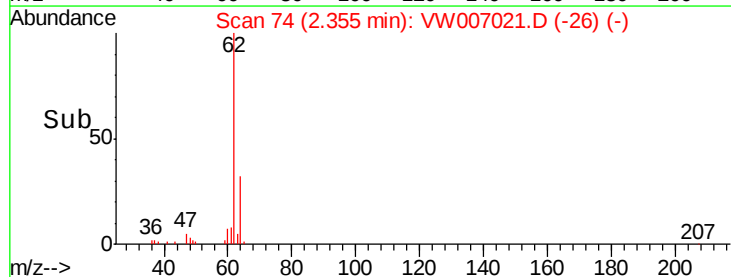
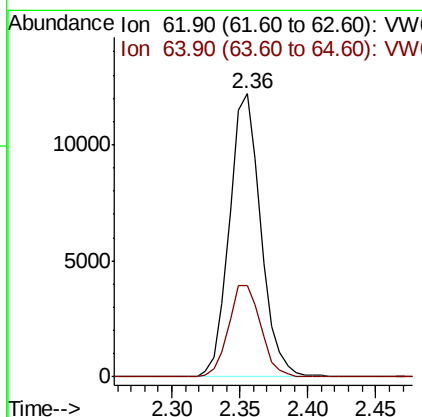
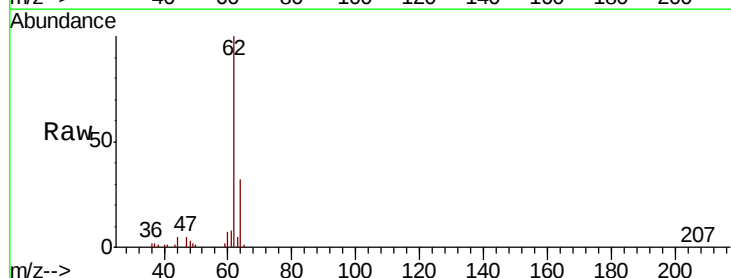
Acq: 22 Nov 2018 02:27

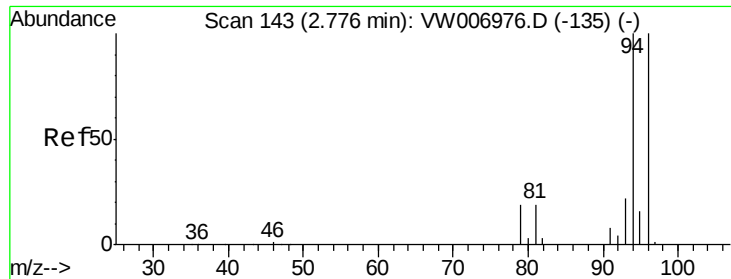
Tgt Ion: 62 Resp: 19571

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 22.079 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

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ClientSampleId :

VW1122SBS02

Tot Ion: 94 Resp: 10160

Ion Ratio Lower Upper

94 100

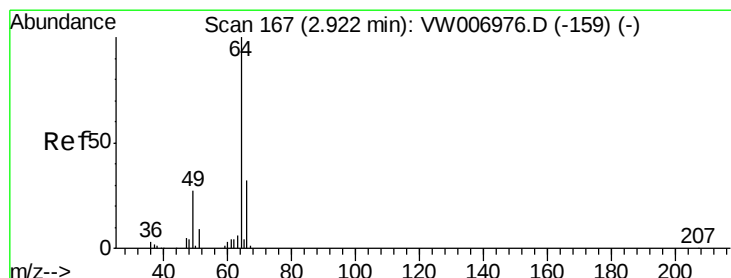
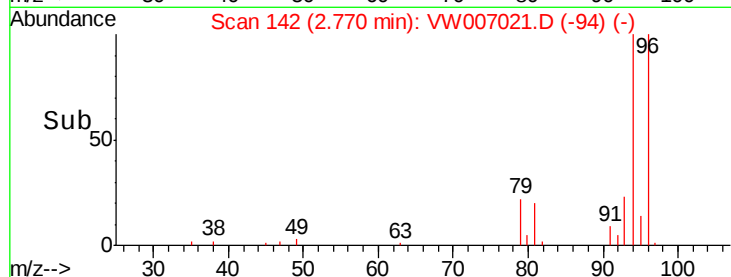
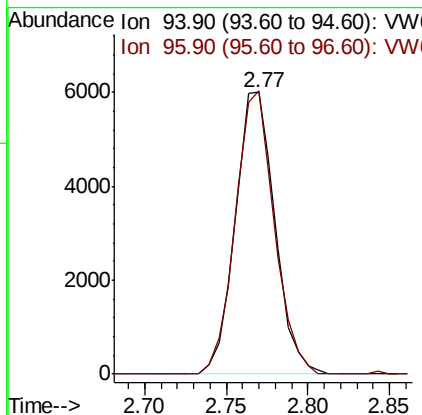
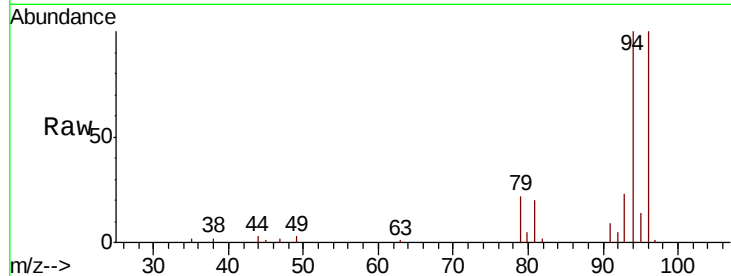
96 100.4 80.2 120.2

Manual Integrations

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#6

Chloroethane

Concen: 22.322 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007021.D

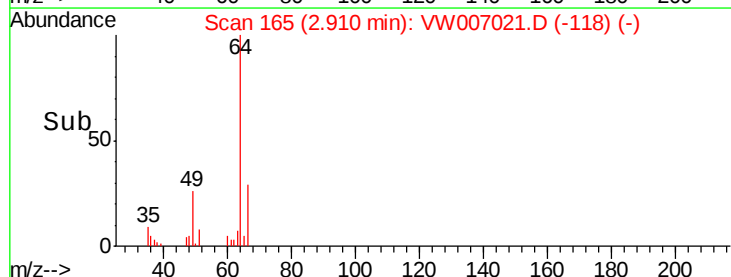
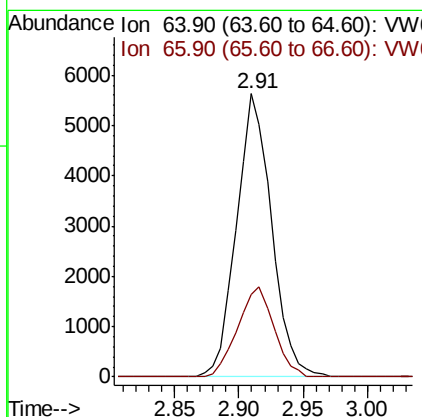
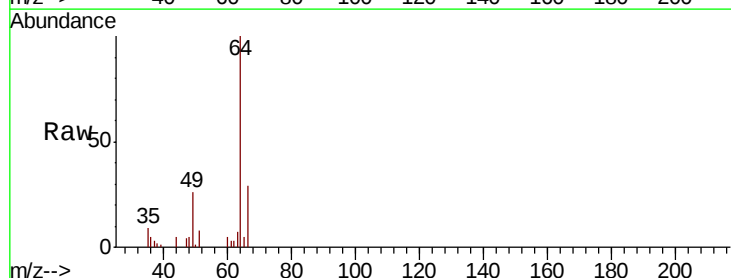
Acq: 22 Nov 2018 02:27

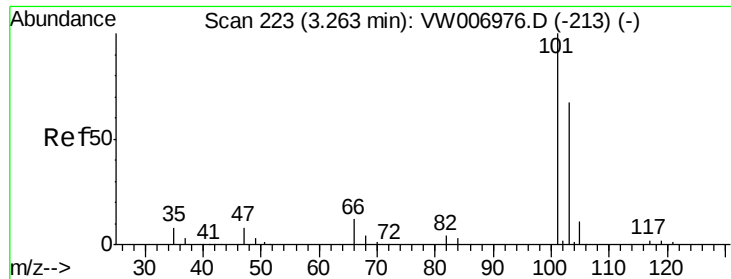
Tgt Ion: 64 Resp: 10609

Ion Ratio Lower Upper

64 100

66 29.1 25.3 37.9





#7

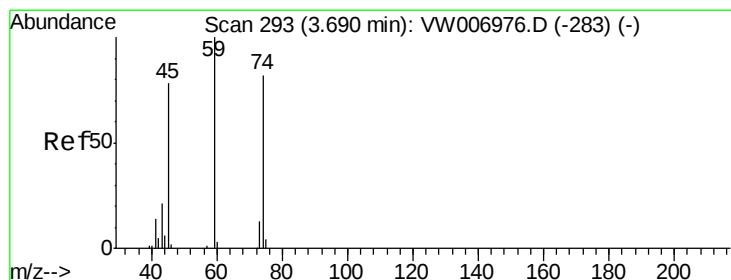
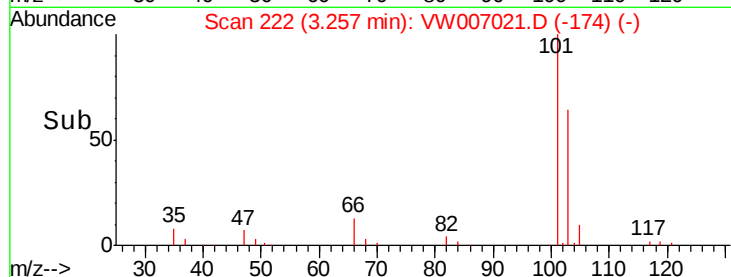
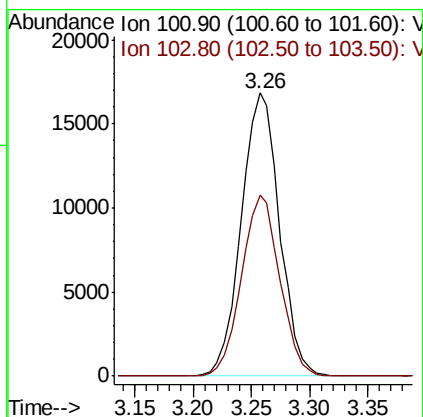
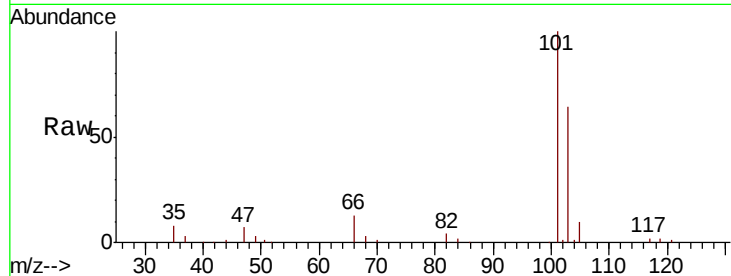
Trichlorofluoromethane
Concen: 22.734 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion:101 Resp: 38542
Ion Ratio Lower Upper
101 100
103 63.8 53.4 80.2

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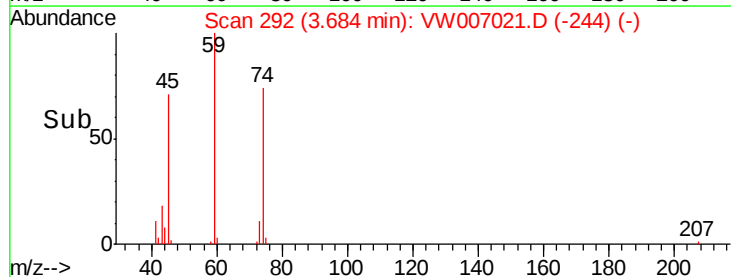
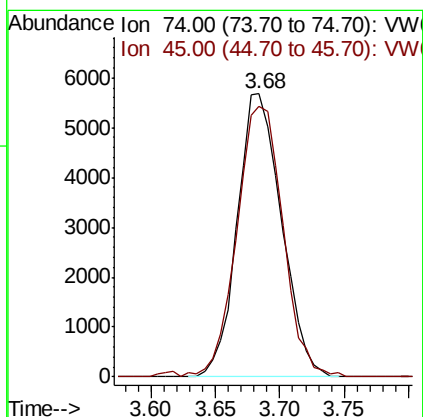
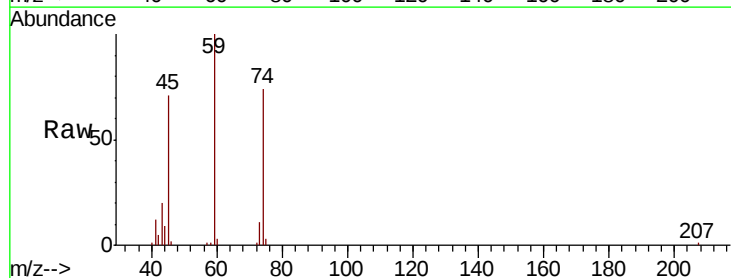
MMDadoda
11/26/2018 1:04:53 PM



#8

Diethyl Ether
Concen: 24.781 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 74 Resp: 13537
Ion Ratio Lower Upper
74 100
45 99.7 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.983 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

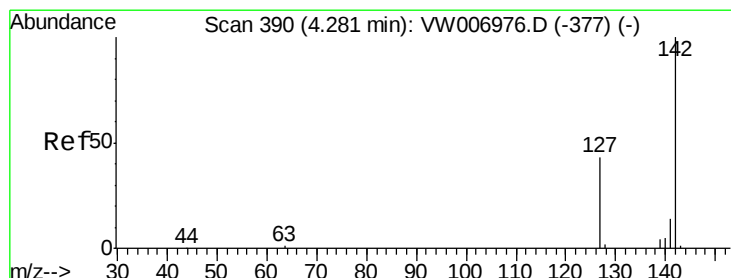
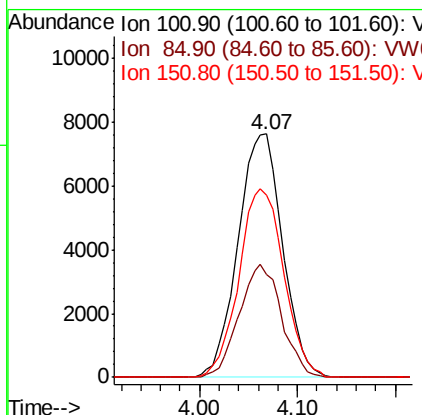
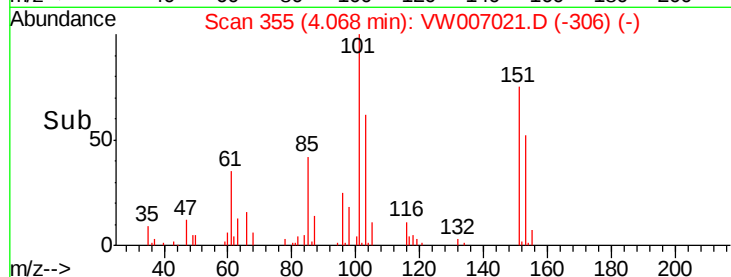
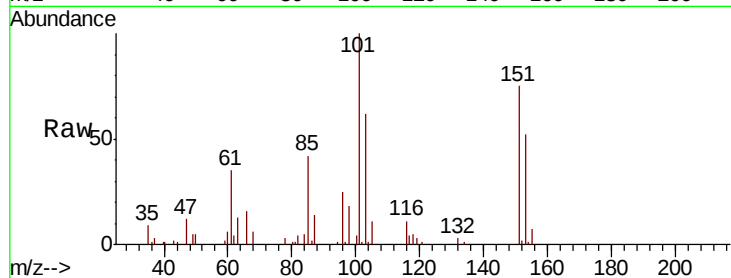
ClientSampleId :

VW1122SBS02

Tot Ion:	101	Resp:	24161
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.3	51.5
151	78.1	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.424 ug/l

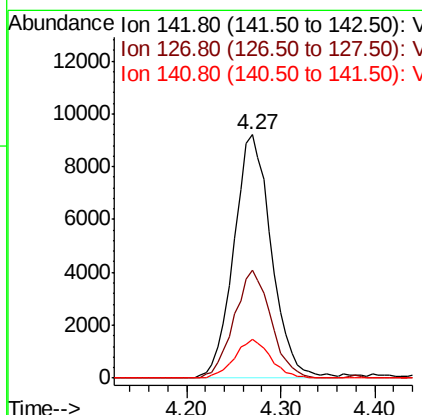
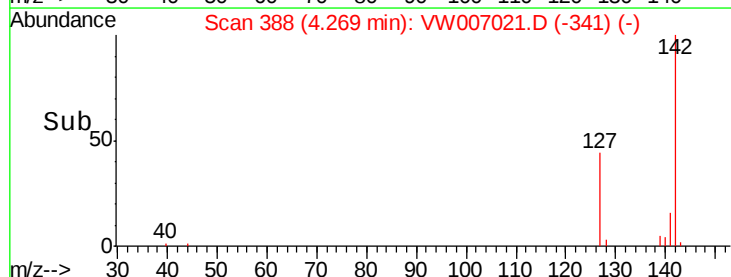
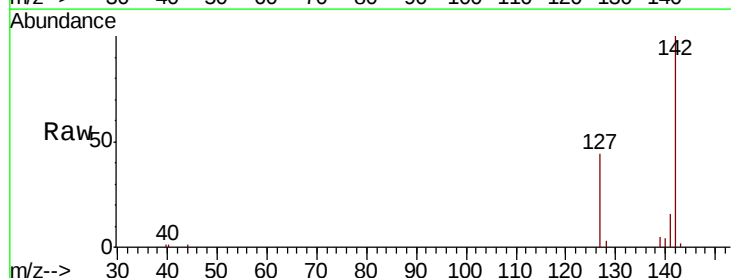
RT: 4.27 min Scan# 388

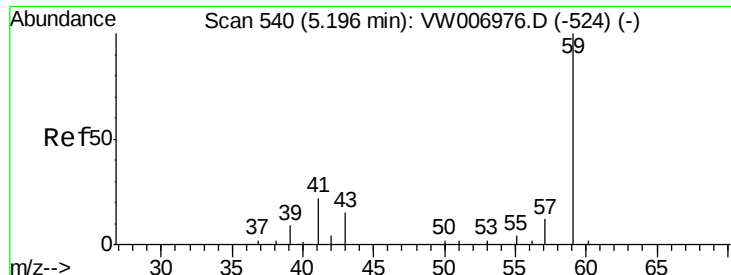
Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Tgt Ion:	142	Resp:	25697
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.3	52.9
141	15.2	11.7	17.5





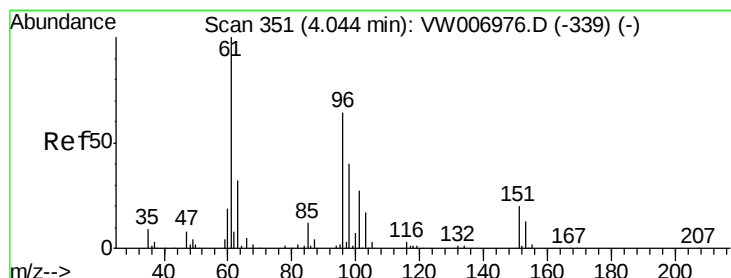
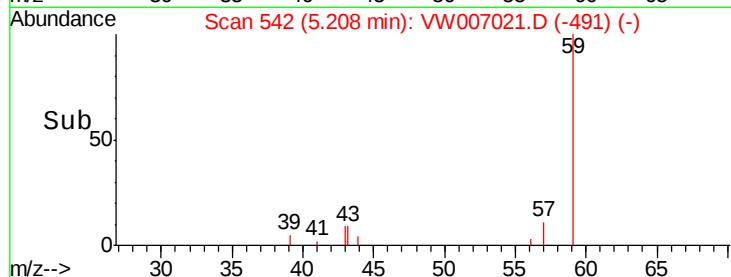
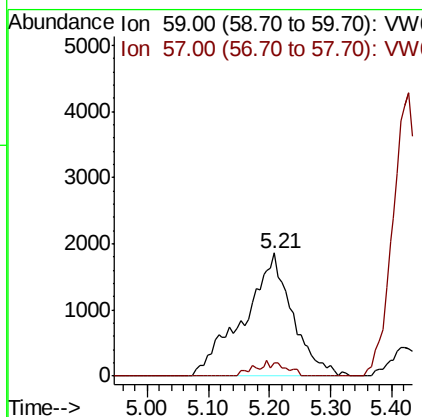
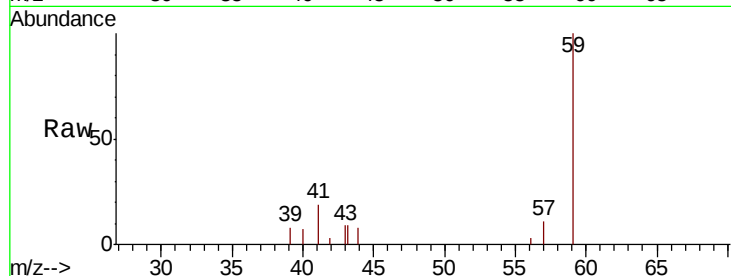
#11
Tert butyl alcohol
Concen: 151.249 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.1	8.6	13.0#

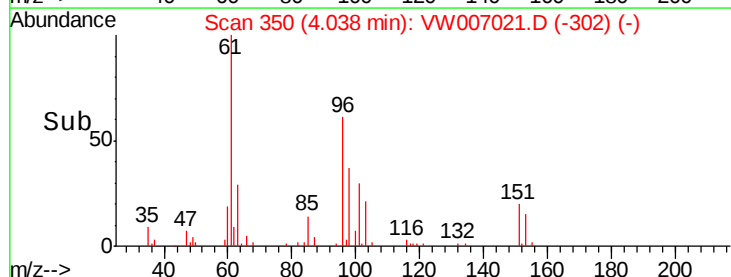
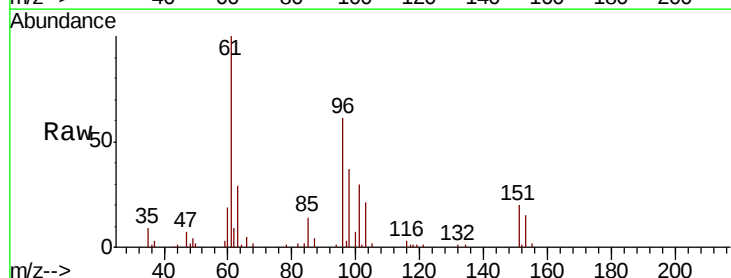
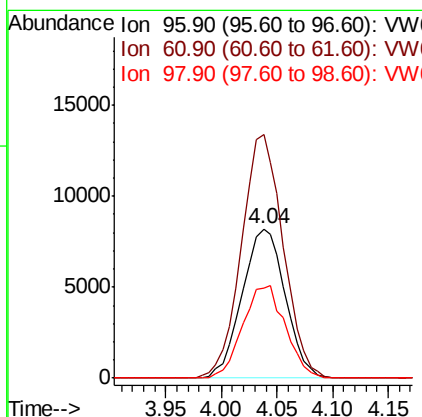
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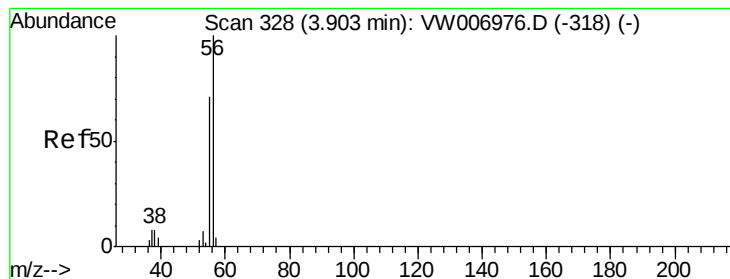
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.883 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	124.3	186.5
98	60.2	49.4	74.2





#13

Acrolein

Concen: 103.293 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion: 56 Resp: 7200

Ion Ratio Lower Upper

56 100

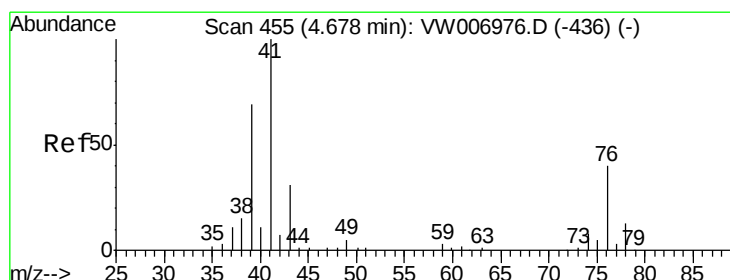
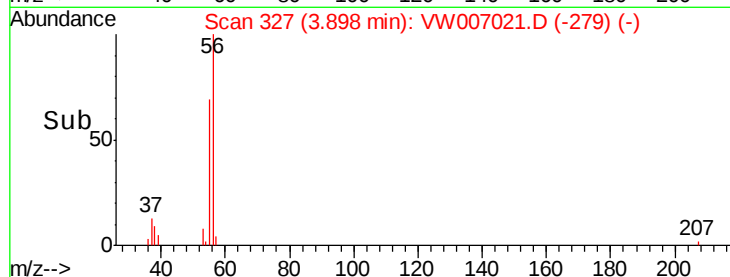
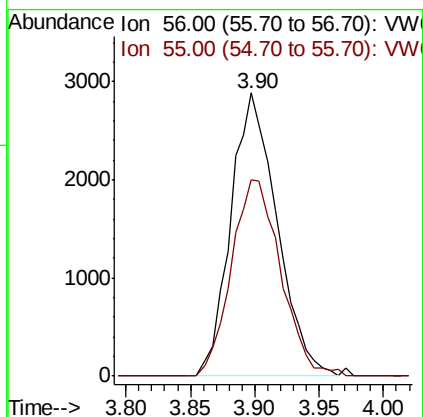
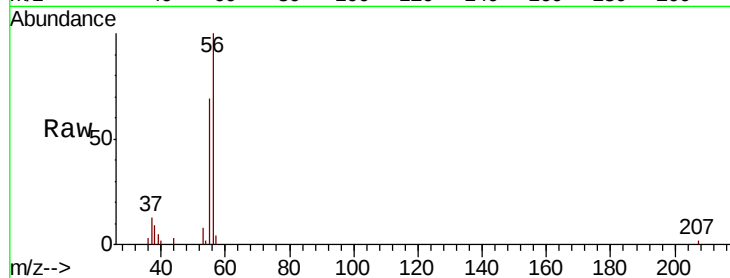
55 73.8 57.5 86.3

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11/26/2018 1:04:53 PM



#14

Allyl chloride

Concen: 22.123 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

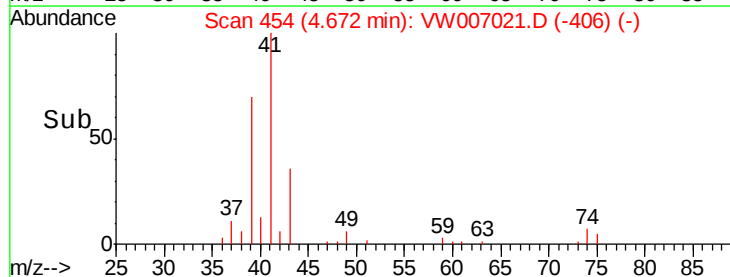
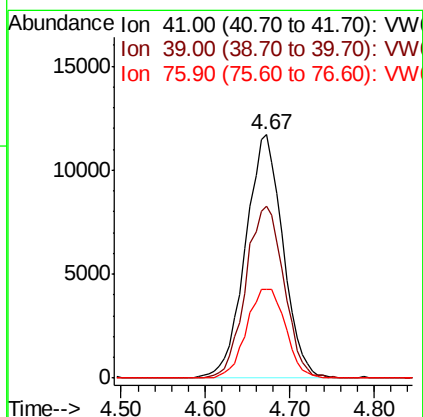
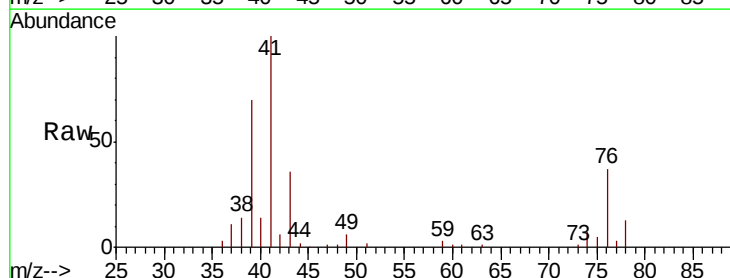
Tgt Ion: 41 Resp: 35372

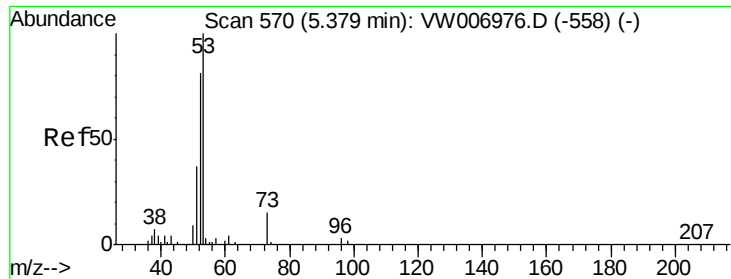
Ion Ratio Lower Upper

41 100

39 72.0 55.4 83.2

76 38.0 29.6 44.4





#15

Acrylonitrile

Concen: 123.371 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

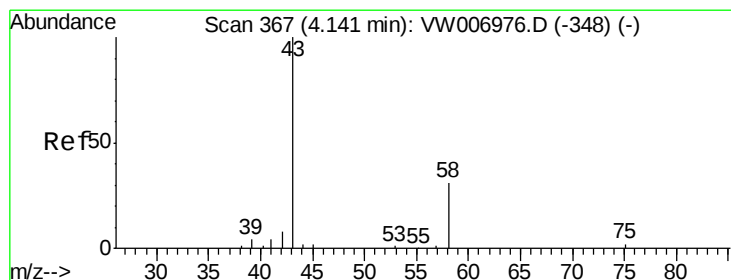
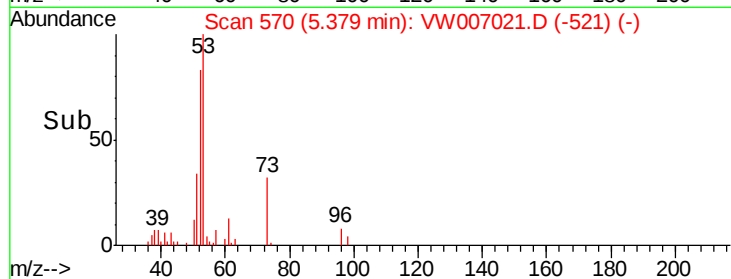
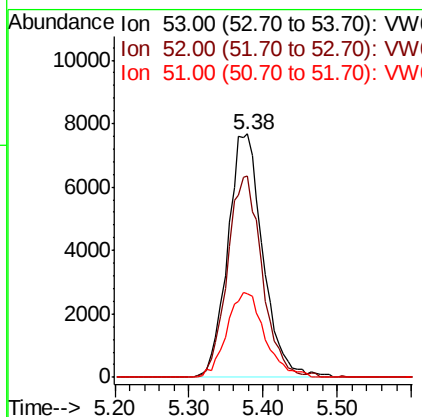
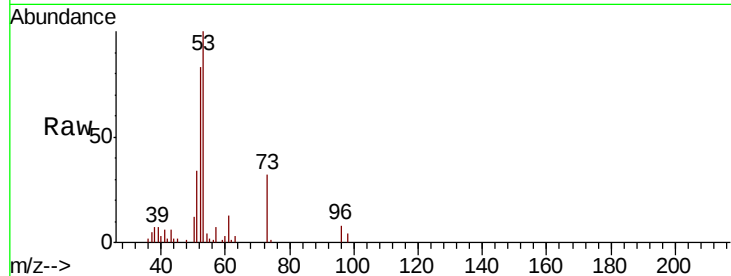
ClientSampleId :

VW1122SBS02

Tot Ion:	53	Resp:	25330
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.7	98.5
51	37.5	29.9	44.9

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#16

Acetone

Concen: 125.559 ug/l

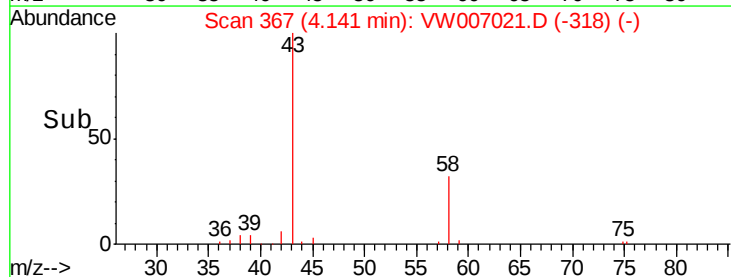
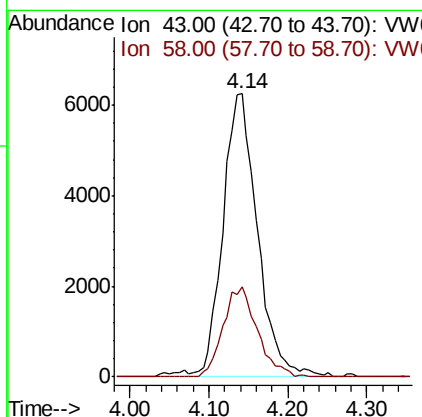
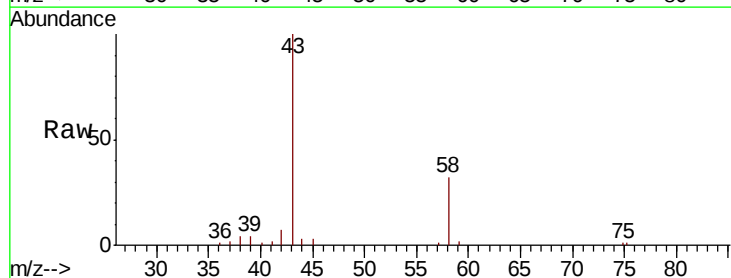
RT: 4.14 min Scan# 367

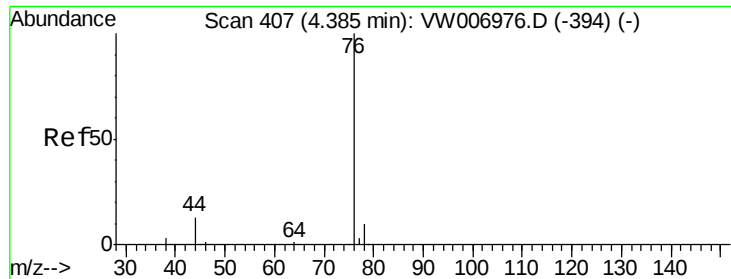
Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Tgt Ion:	43	Resp:	19007
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.8	37.2





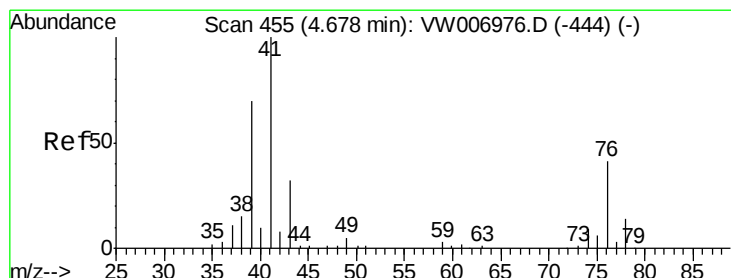
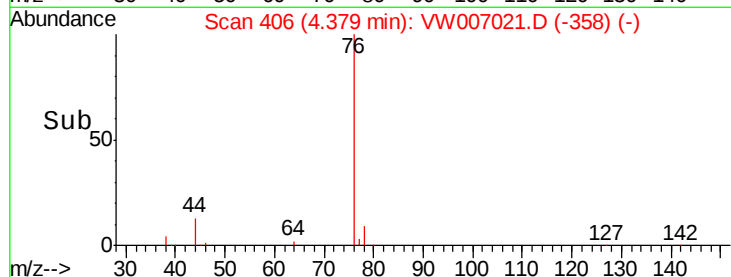
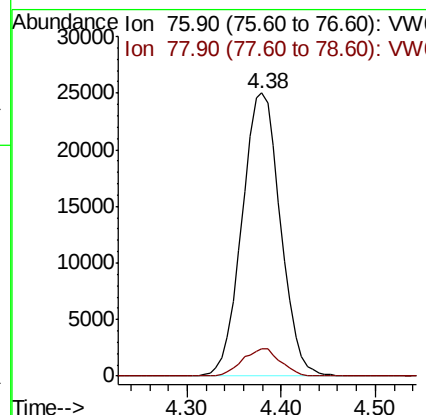
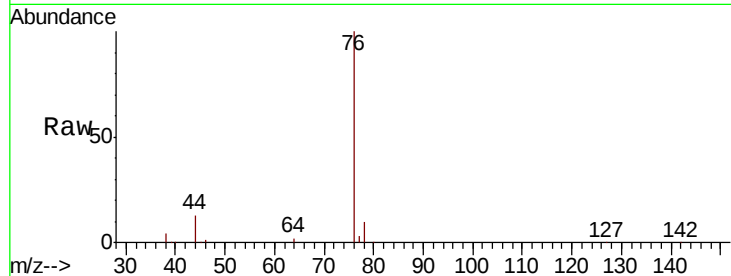
#17
Carbon Disulfide
Concen: 22.885 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBSD02

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.8	7.8	11.6	

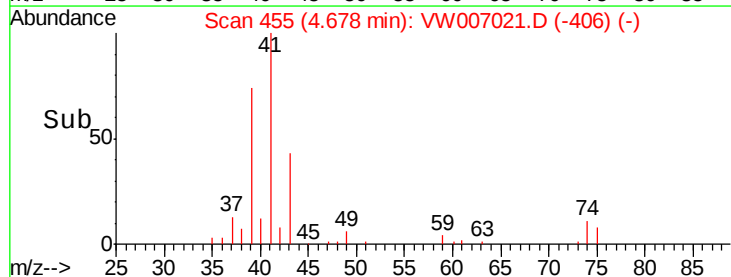
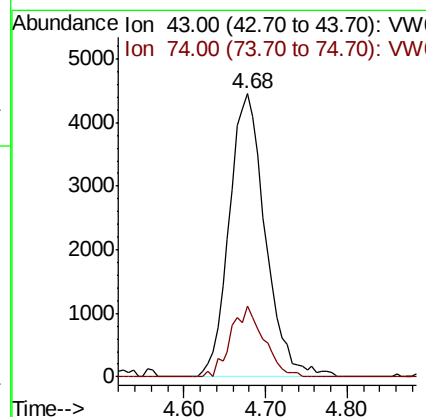
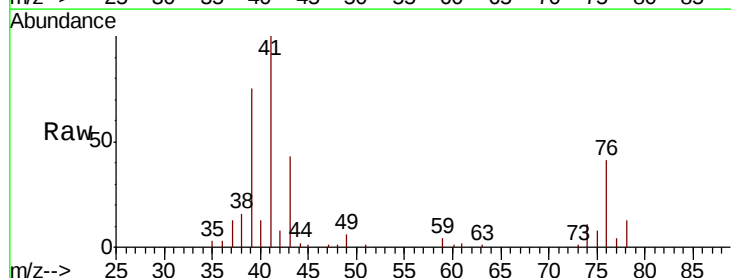
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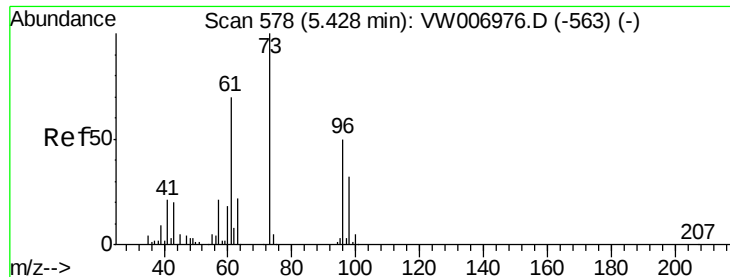
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#18
Methyl Acetate
Concen: 25.334 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	22.8	20.1	30.1	





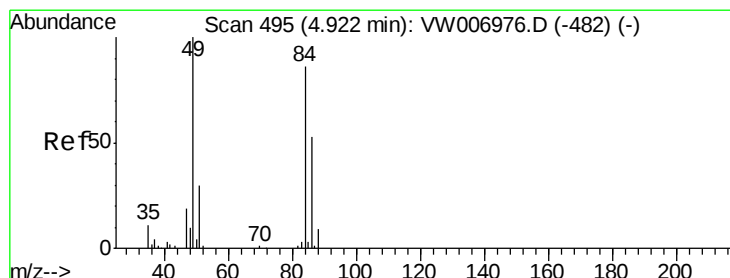
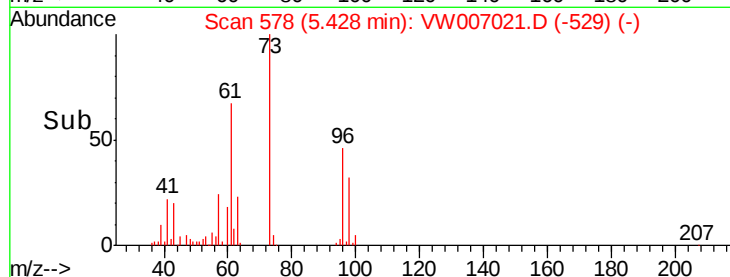
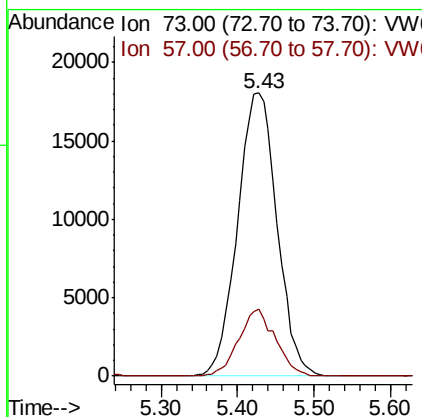
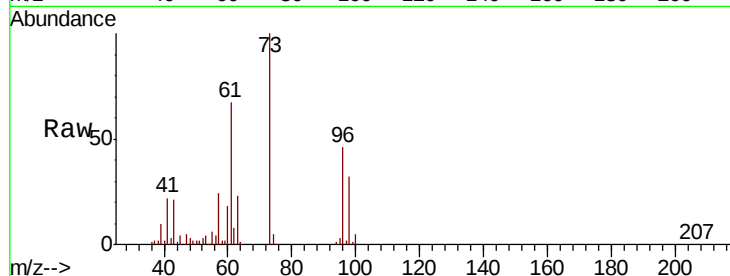
#19
Methvl tert-butvl Ether
Concen: 25.699 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion: 73 Resp: 64684
Ion Ratio Lower Upper
73 100
57 23.7 16.7 25.1

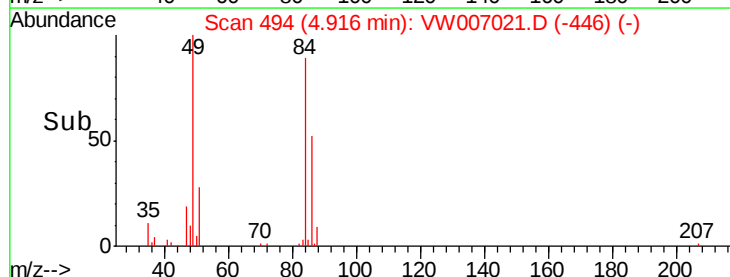
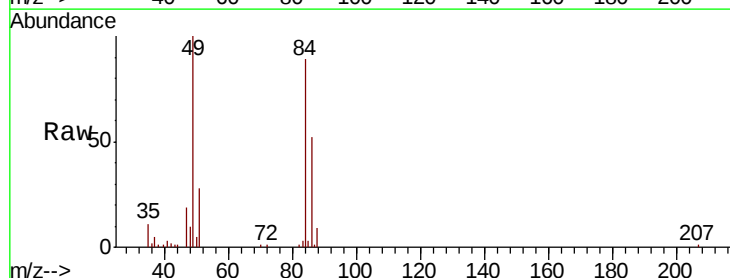
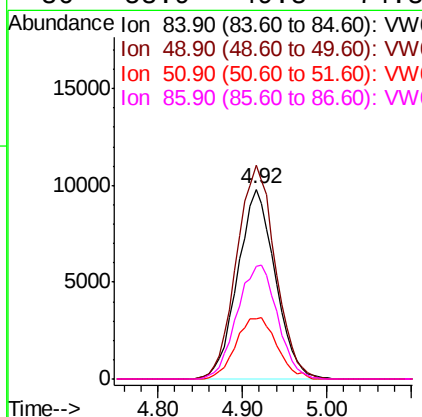
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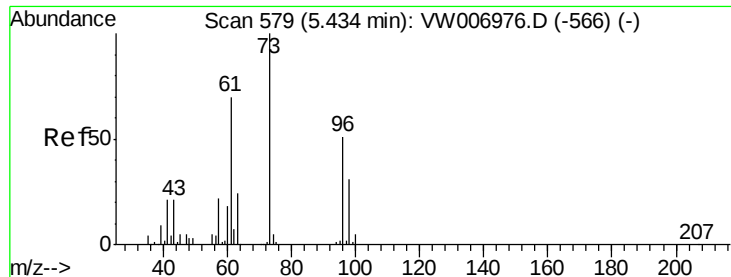
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#20
Methylene Chloride
Concen: 21.491 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 84 Resp: 29641
Ion Ratio Lower Upper
84 100
49 112.4 93.4 140.0
51 31.5 28.4 42.6
86 58.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 22.946 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBSD02

Tot Ion: 96 Resp: 25766

Ion Ratio Lower Upper

96 100

61 137.6 109.4 164.0

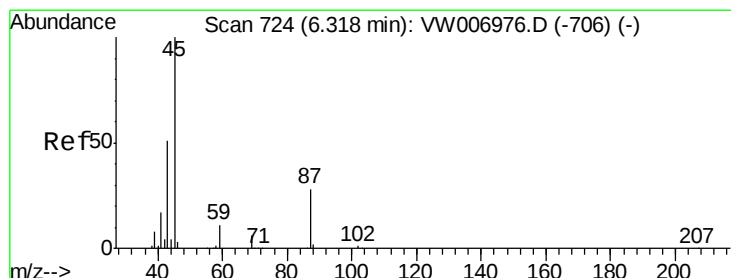
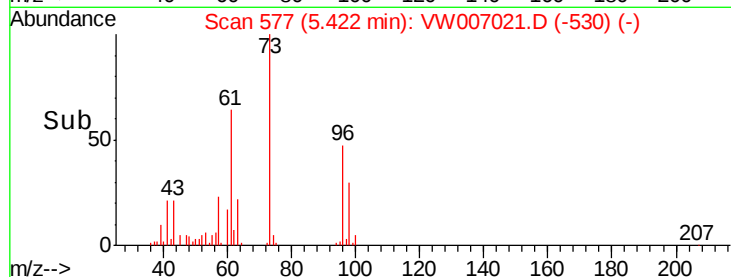
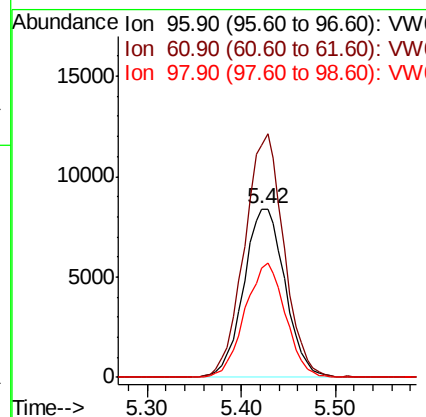
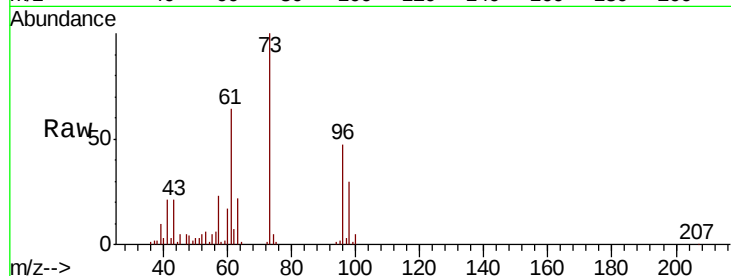
98 64.5 48.3 72.5

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11/26/2018 1:04:53 PM



#22

Diisopropyl ether

Concen: 24.177 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Tgt Ion: 45 Resp: 75238

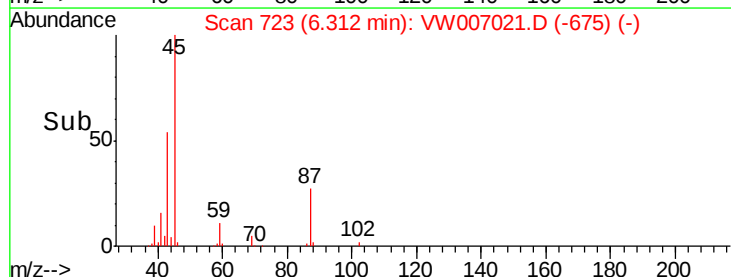
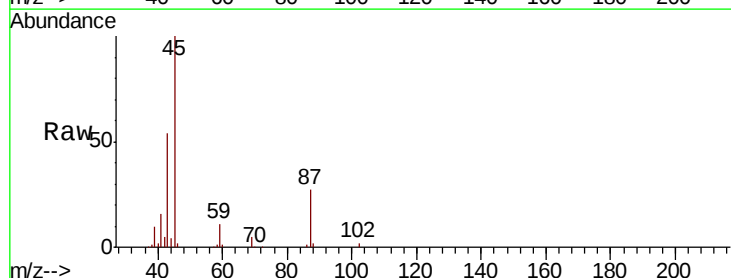
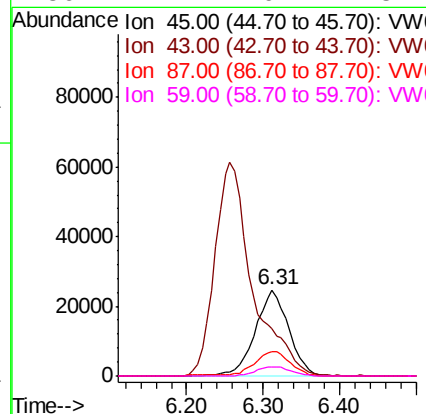
Ion Ratio Lower Upper

45 100

43 53.5 42.5 63.7

87 27.5 22.8 34.2

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 126.495 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion: 43 Resp: 209042

Ion Ratio Lower Upper

43 100

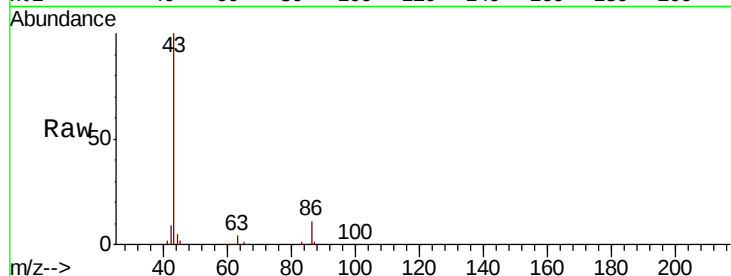
86 11.4 8.7 13.1

Manual Integrations

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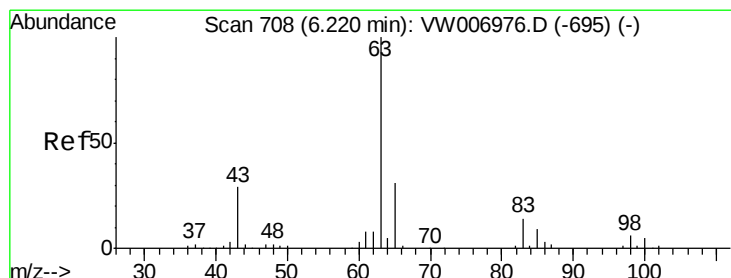
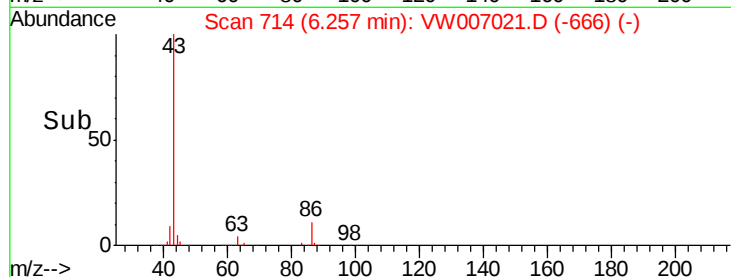
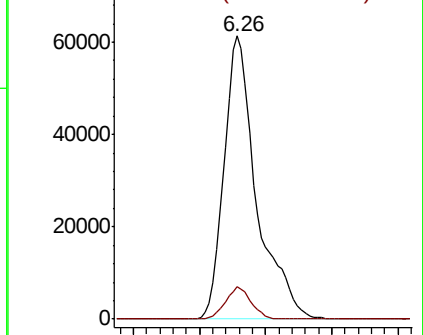
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 23.322 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

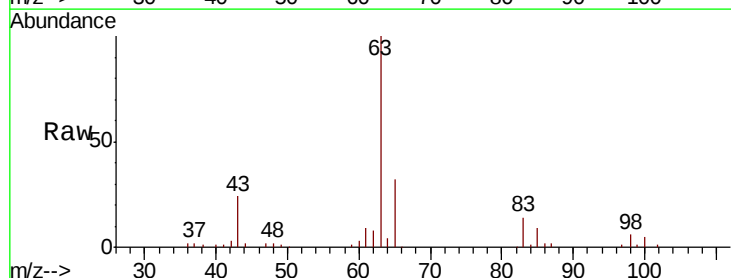
Tgt Ion: 63 Resp: 44152

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

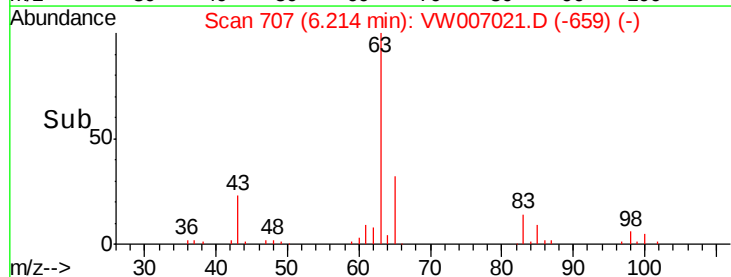
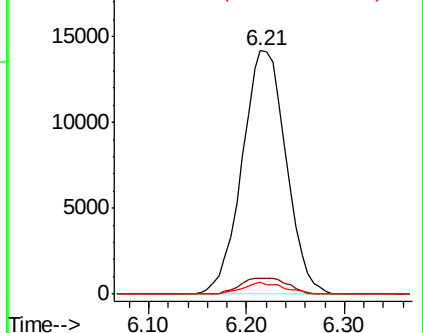
100 4.7 2.3 6.9

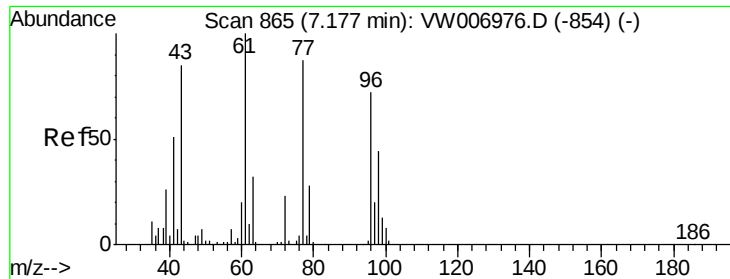


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 125.498 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion: 43 Resp: 32538

Ion Ratio Lower Upper

43 100

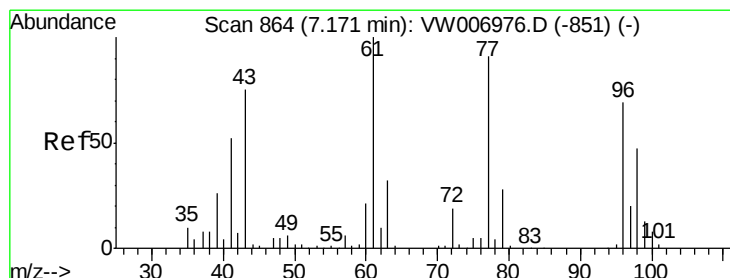
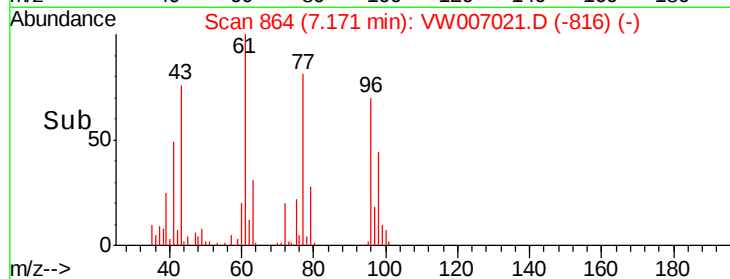
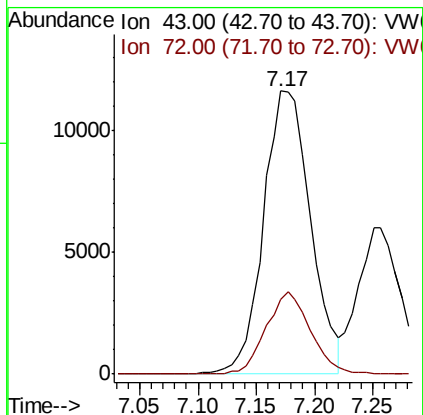
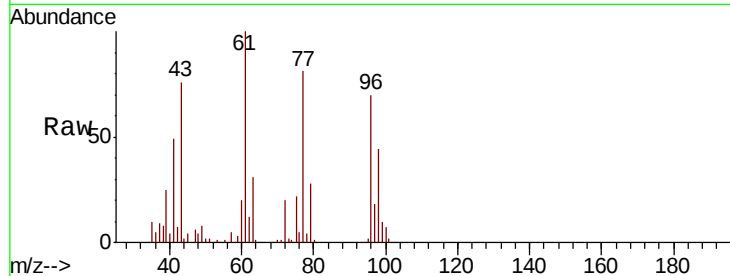
72 26.6 21.3 31.9

Manual Integrations

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11/26/2018 1:04:53 PM



#26

2,2-Dichloropropane

Concen: 22.034 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007021.D

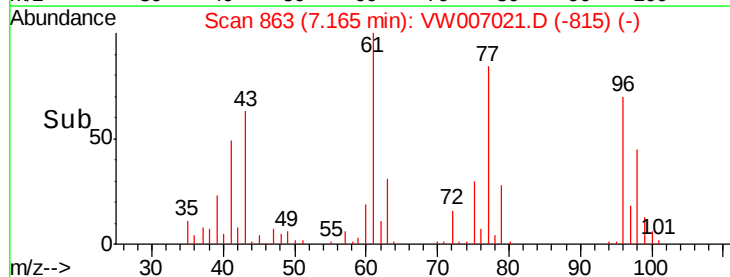
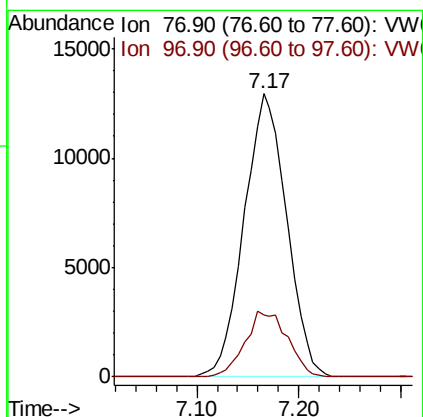
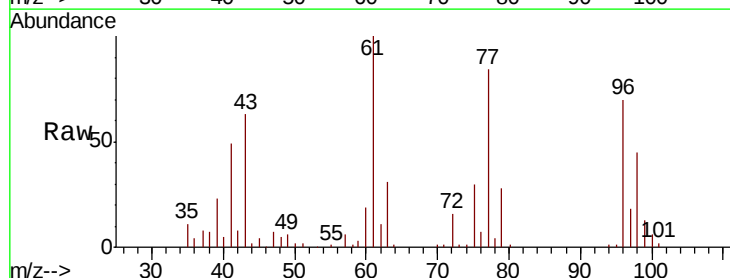
Acq: 22 Nov 2018 02:27

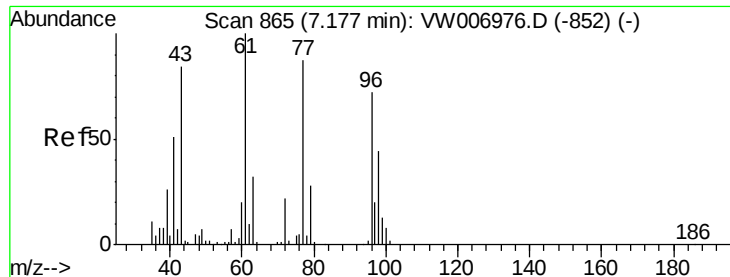
Tgt Ion: 77 Resp: 37511

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.1





#27

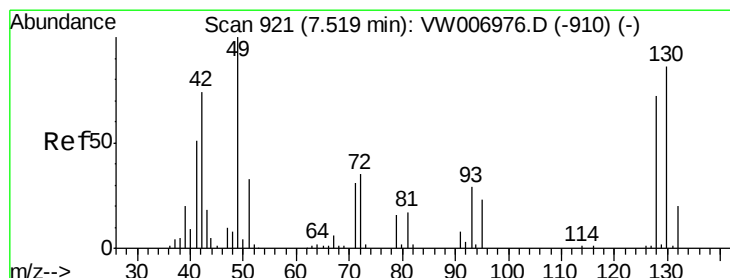
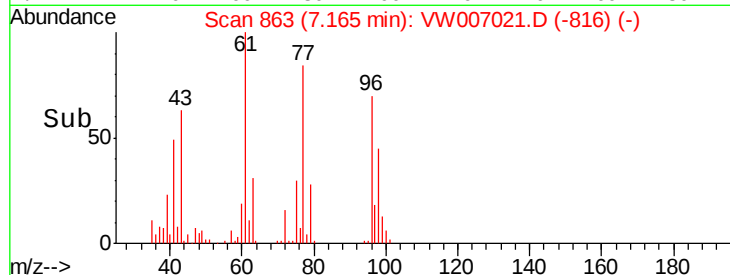
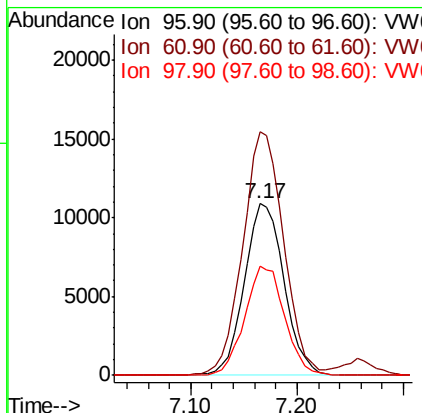
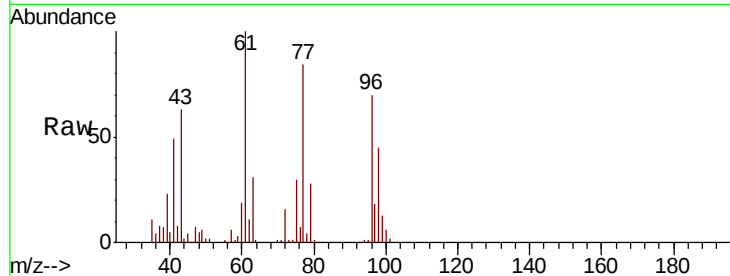
cis-1,2-Dichloroethene
Concen: 23.772 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	292.6
98	63.7	0.0	129.8

Manual Integrations
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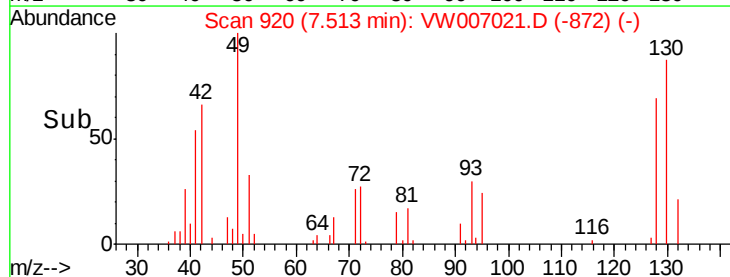
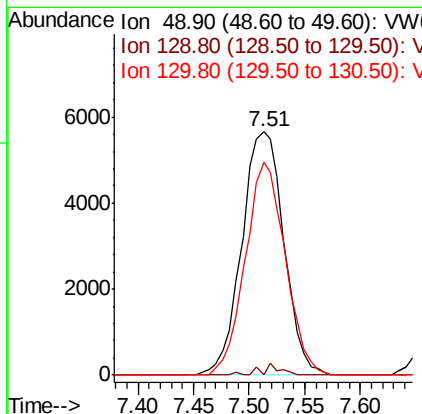
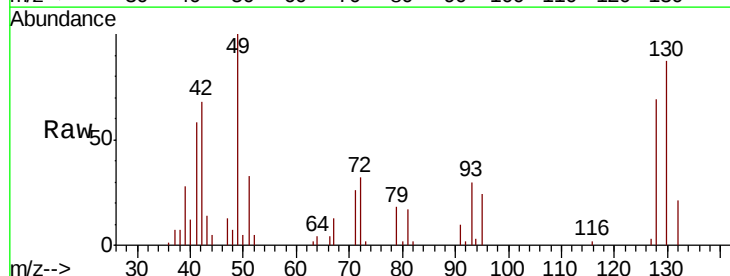
MMDadoda
11/26/2018 1:04:53 PM

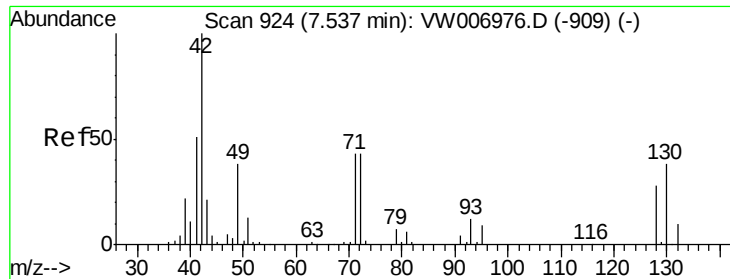


#28

Bromochloromethane
Concen: 21.007 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.0#
130	83.2	69.0	103.4





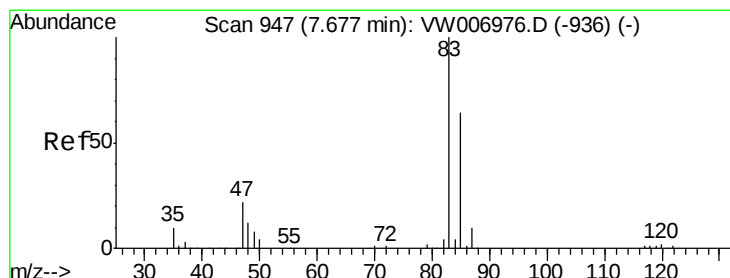
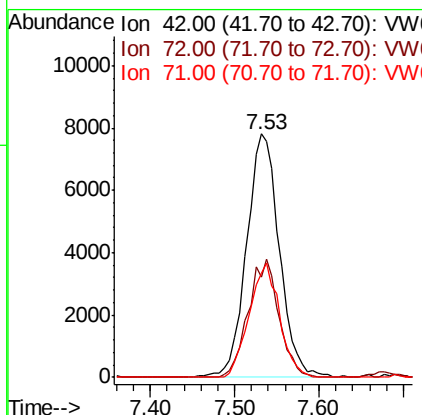
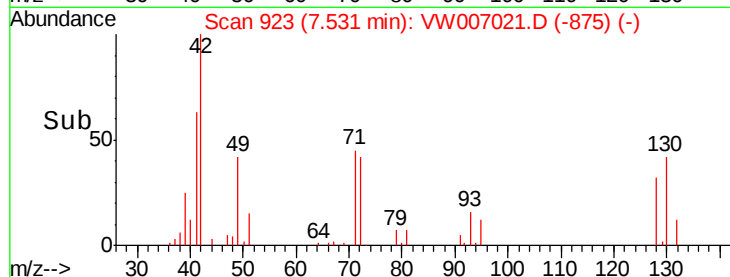
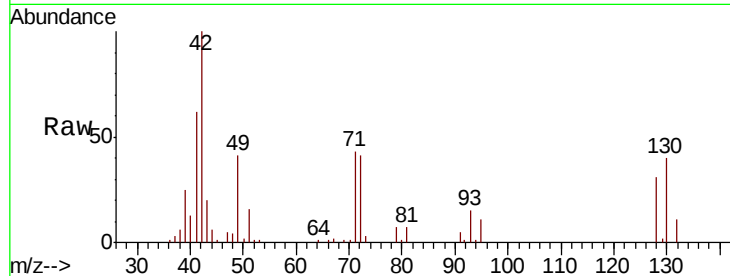
#29
Tetrahydrofuran
Concen: 123.210 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.2	54.4
71	43.5	33.8	50.8

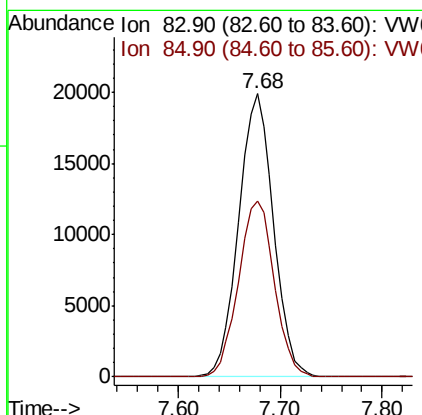
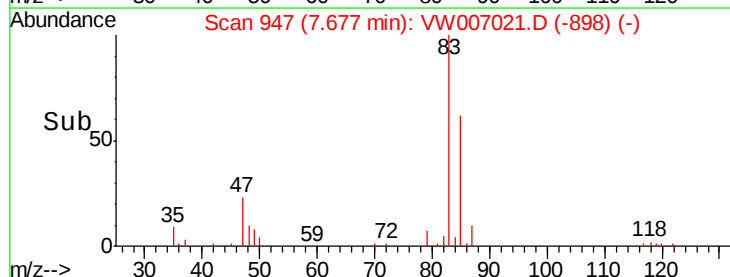
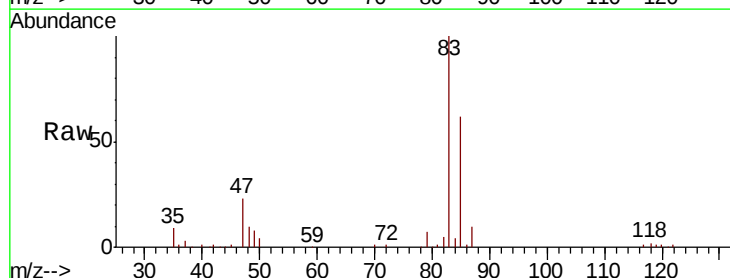
Manual Integrations
APPROVED

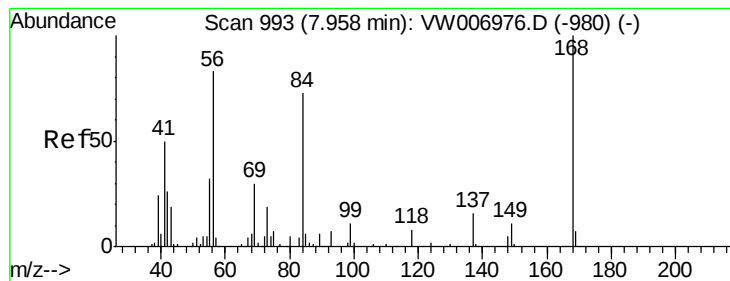
MMDadoda
11/26/2018 1:04:53 PM



#30
Chloroform
Concen: 23.488 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.9	76.3





#31

Cyclohexane

Concen: 23.022 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

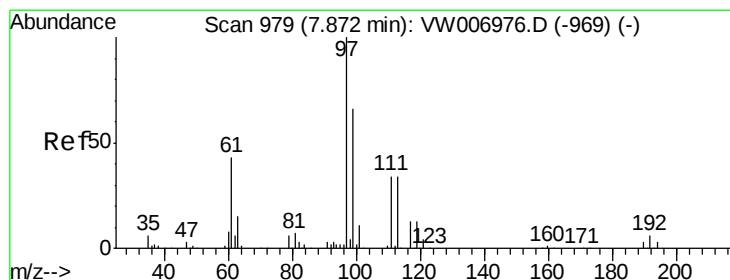
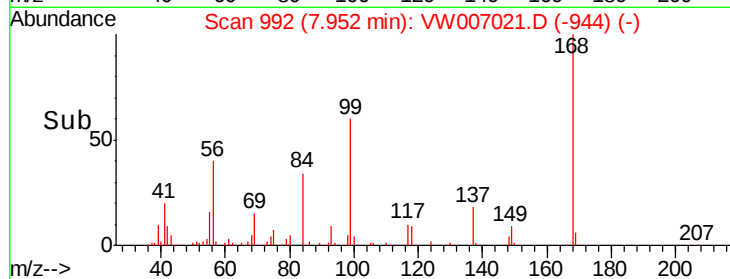
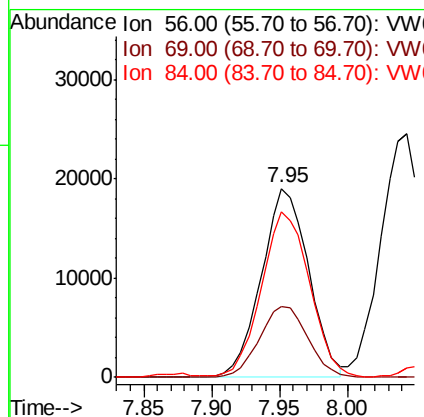
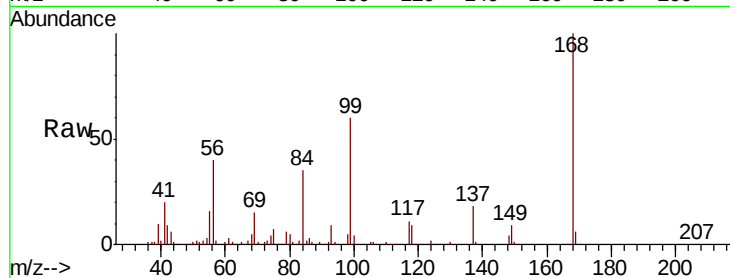
ClientSampleId :

VW1122SBS02

Tot Ion:	56	Resp:	46230
Ion Ratio	Lower	Upper	
56	100		
69	37.2	29.1	43.7
84	86.6	70.6	105.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.232 ug/l

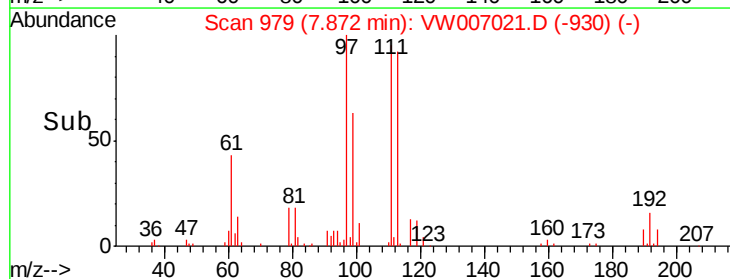
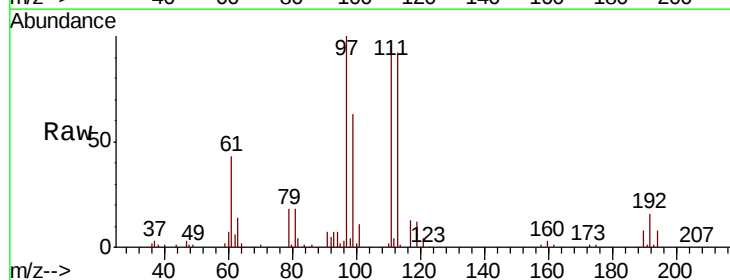
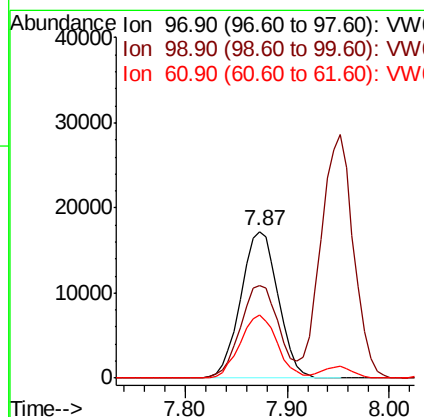
RT: 7.87 min Scan# 979

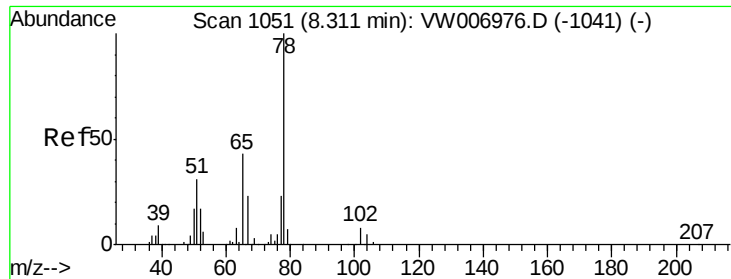
Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Tgt Ion:	97	Resp:	43898
Ion Ratio	Lower	Upper	
97	100		
99	64.6	51.9	77.9
61	42.3	33.4	50.2





#33

1,2-Dichloroethane-d4

Concen: 57.528 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion: 65 Resp: 59981

Ion Ratio Lower Upper

65 100

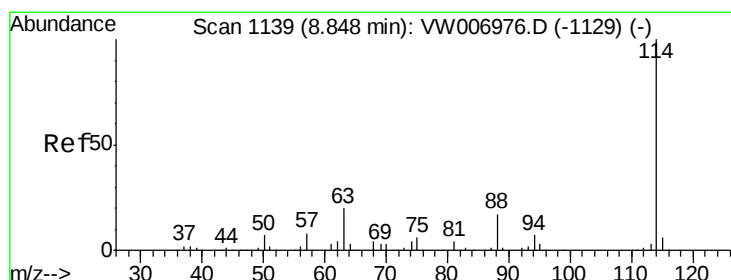
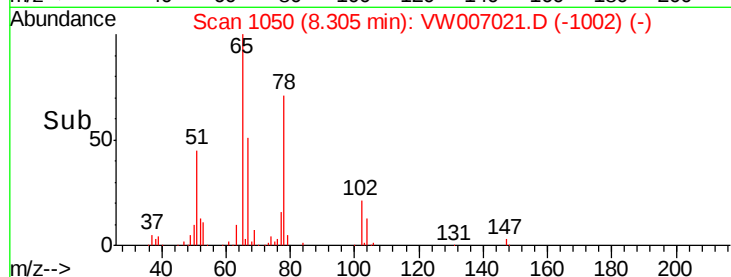
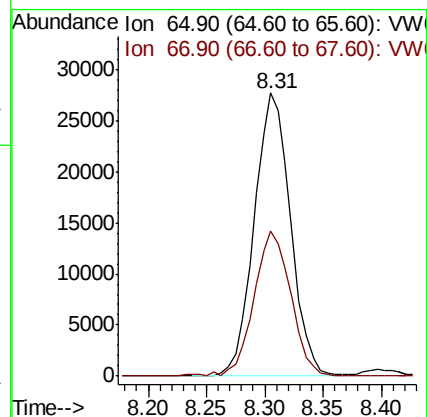
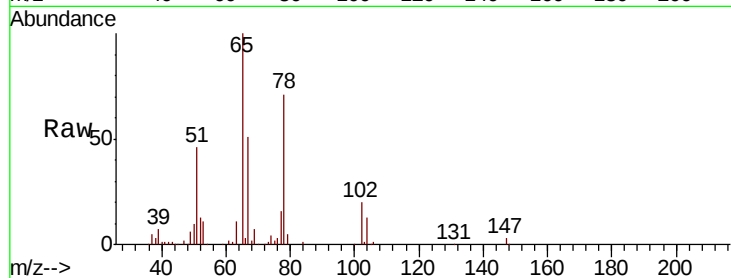
67 51.7 0.0 106.2

Manual Integrations

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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: VW007021.D

Acq: 22 Nov 2018 02:27

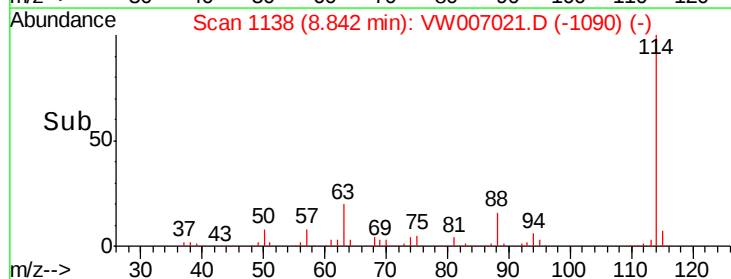
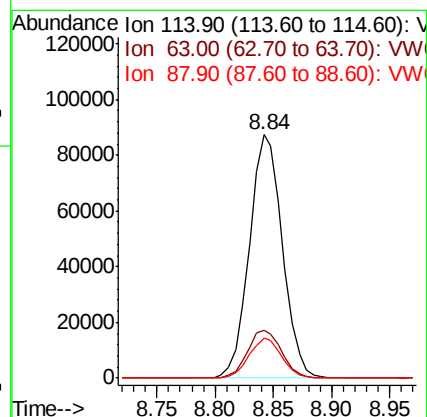
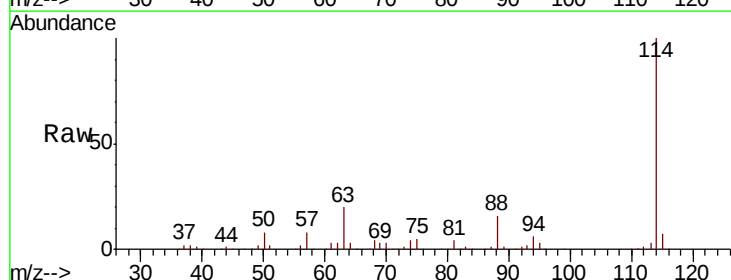
Tgt Ion: 114 Resp: 171821

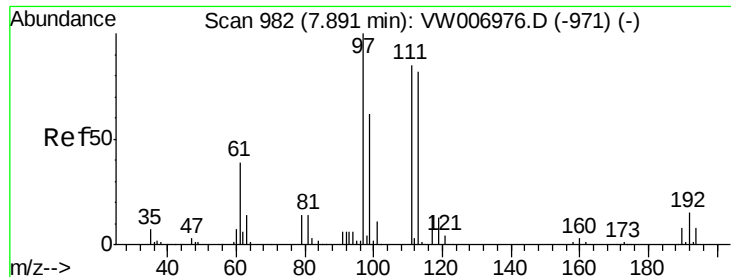
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

88 16.3 0.0 34.2





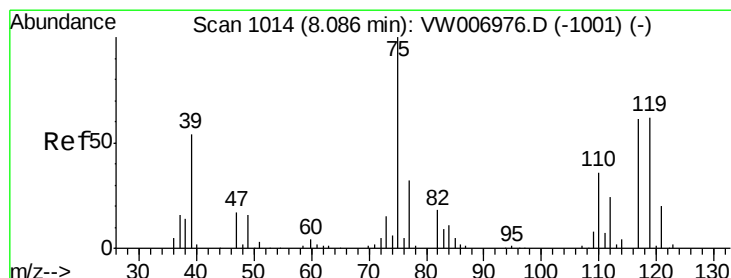
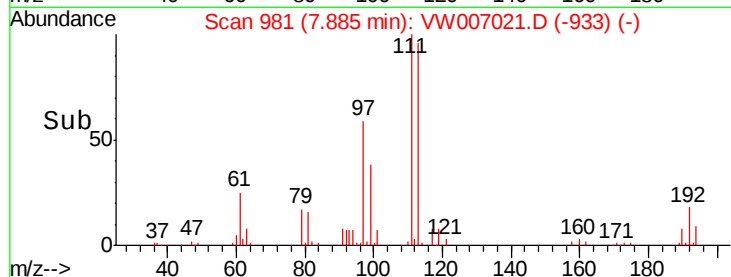
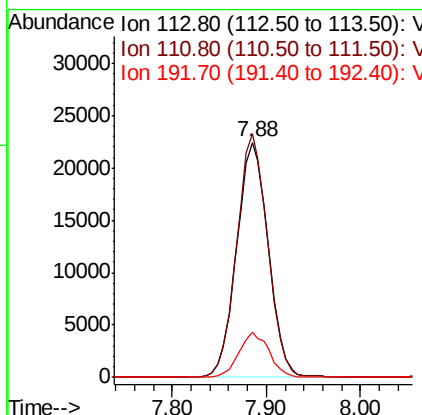
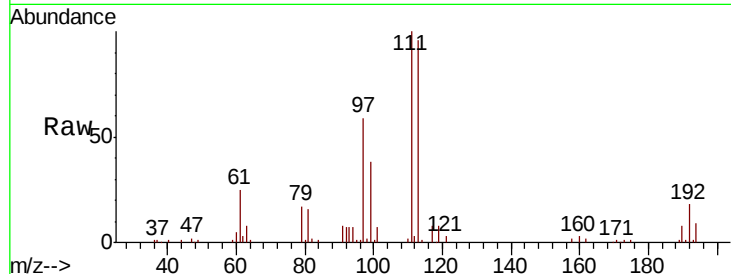
#35
 Dibromofluoromethane
 Concen: 54.270 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1122SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.0	121.6
192	18.2	15.0	22.6

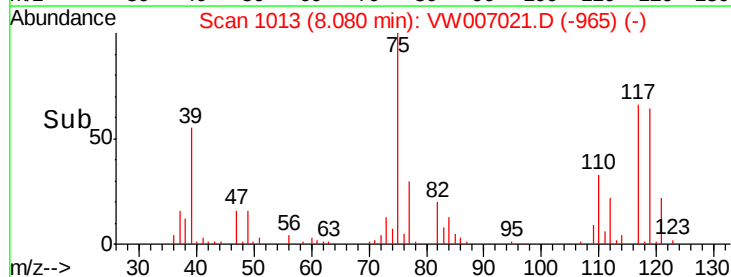
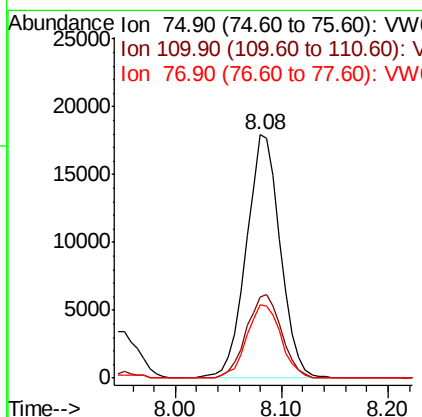
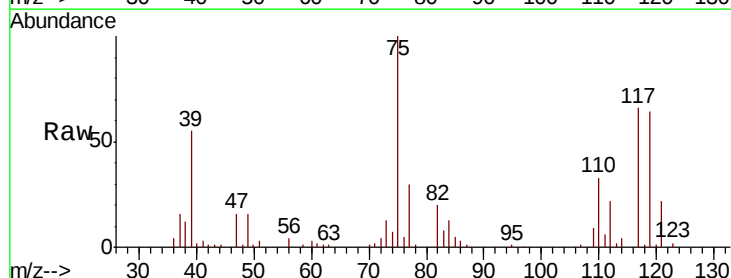
Manual Integrations
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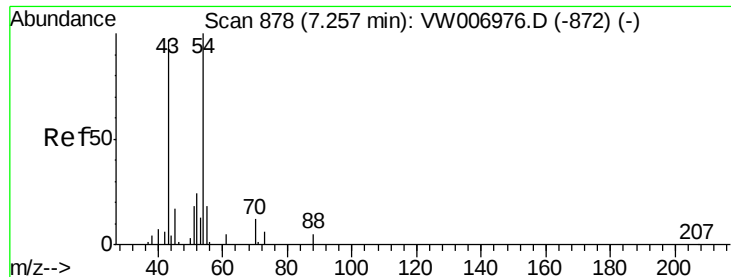
MMDadoda
 11/26/2018 1:04:53 PM



#36
 1,1-Dichloropropene
 Concen: 23.957 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.0	54.0
77	30.5	24.9	37.3





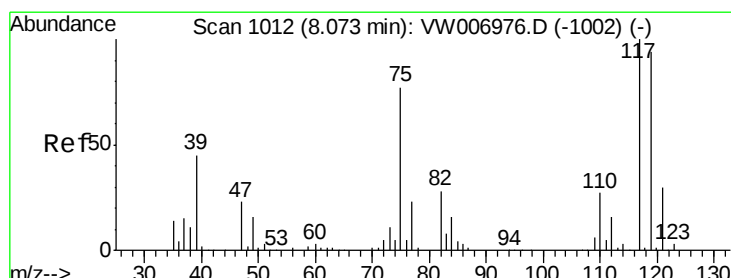
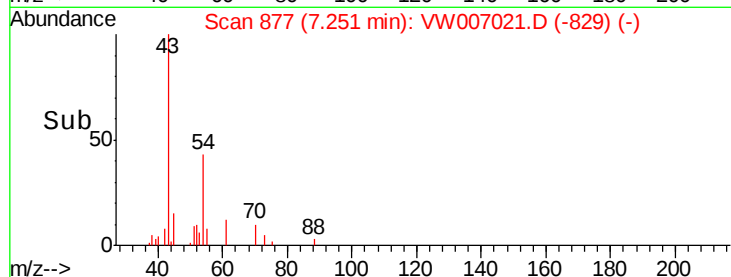
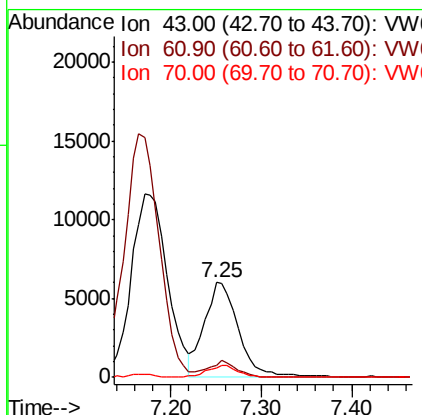
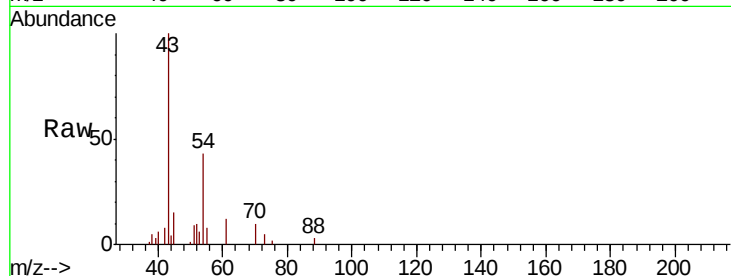
#37
Ethyl Acetate
Concen: 26.076 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.4	15.6
70	11.2	8.8	13.2

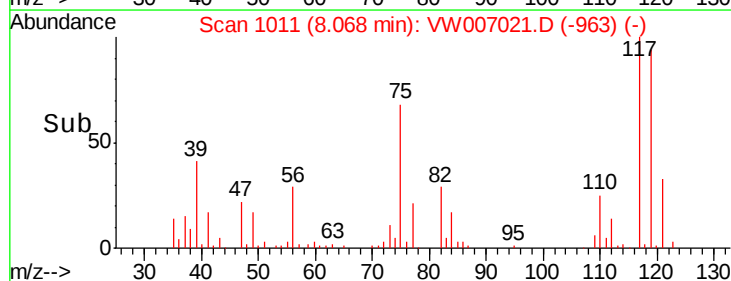
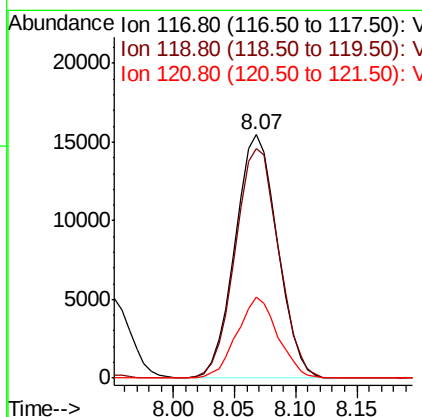
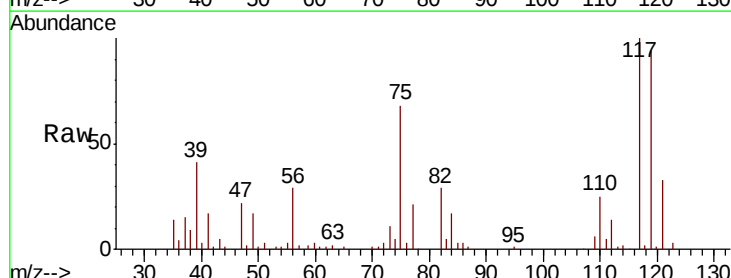
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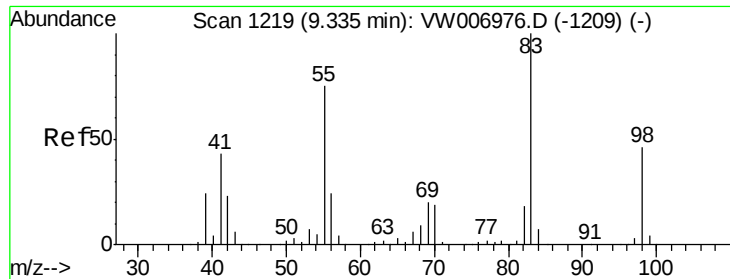
MMDadoda
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#38
Carbon Tetrachloride
Concen: 23.222 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	74.9	112.3
121	33.1	23.6	35.4





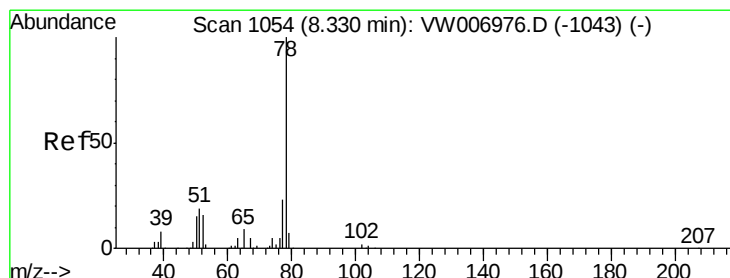
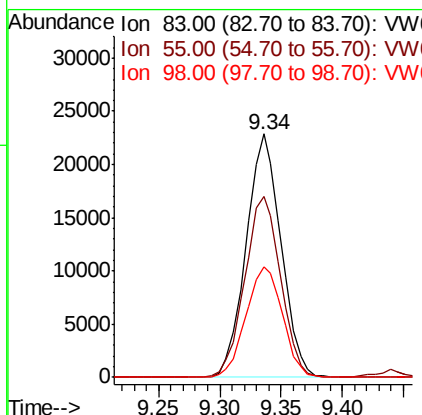
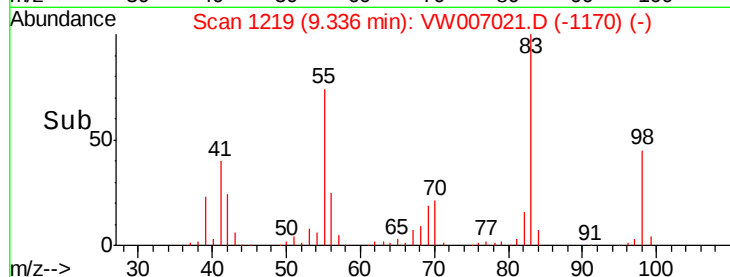
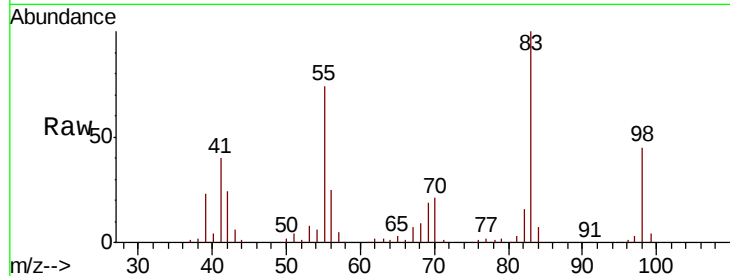
#39
Methvlcvclohexane
Concen: 21.591 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBSD02

Tot Ion	83.00	Resp	45367
Ion Ratio	100	Lower	Upper
83	100		
55	74.4	59.6	89.4
98	45.3	37.1	55.7

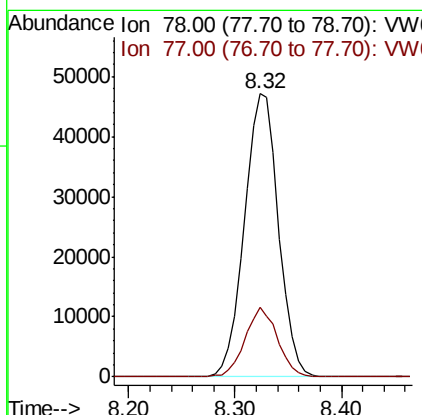
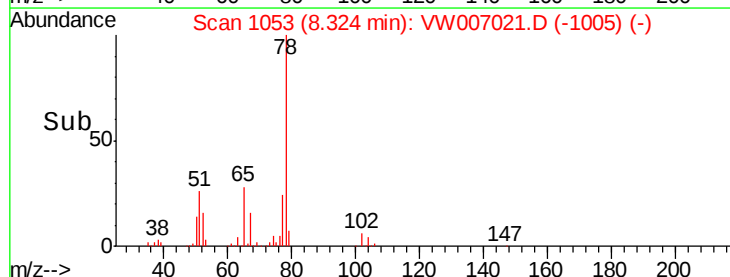
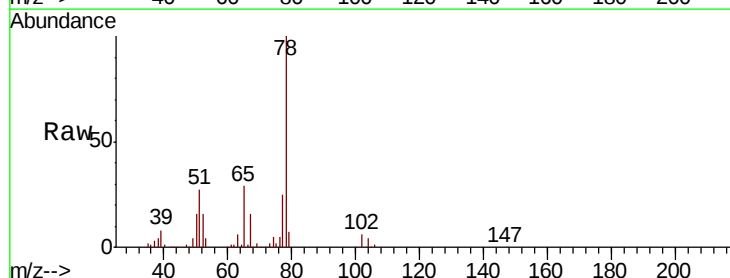
Manual Integrations
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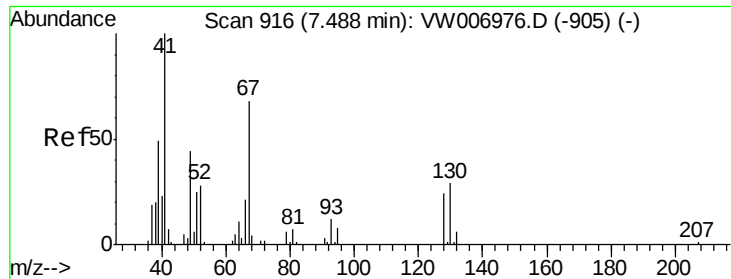
MMDadoda
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#40
Benzene
Concen: 23.351 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	78.00	Resp	105836
Ion Ratio	100	Lower	Upper
78	100		
77	24.5	18.6	28.0





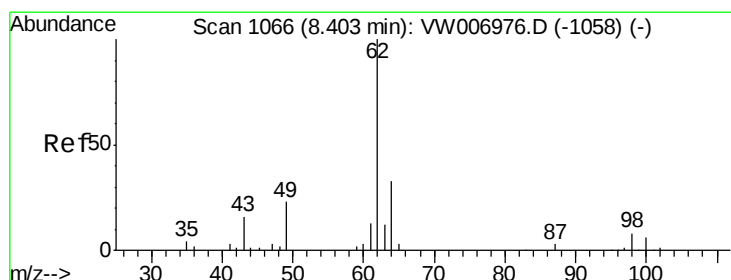
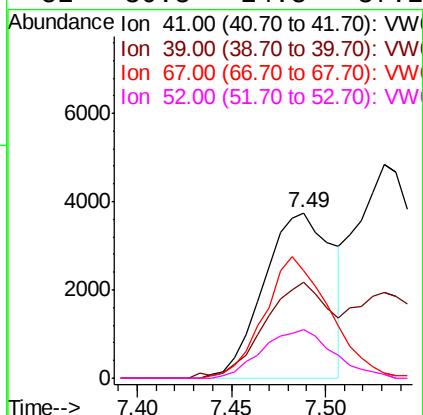
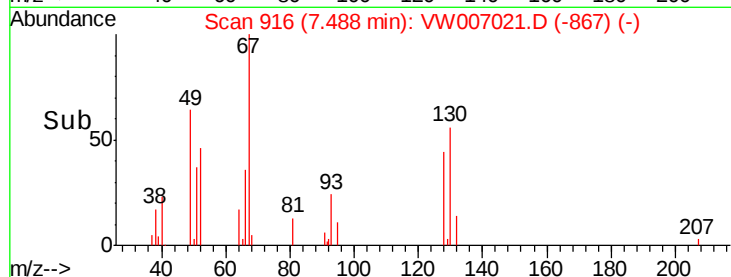
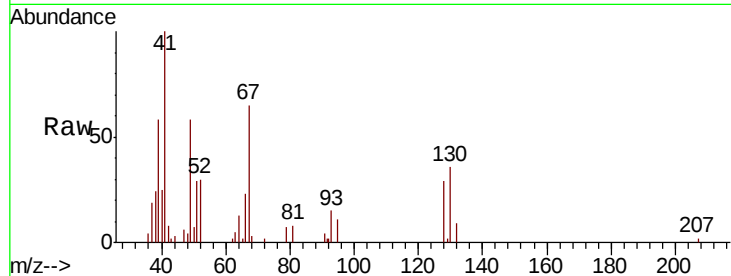
#41
Methacrylonitrile
Concen: 25.229 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion:	41	Resp:	9533
Ion	Ratio	Lower	Upper
41	100		
39	55.4	48.6	73.0
67	69.7	59.8	89.8
52	30.3	24.8	37.2

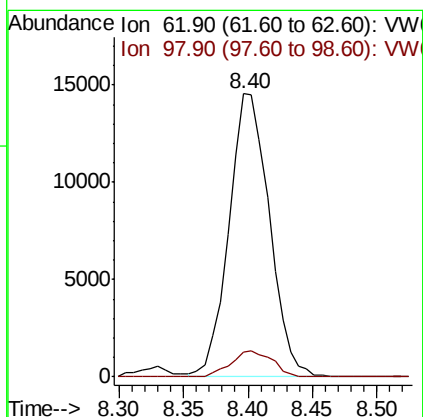
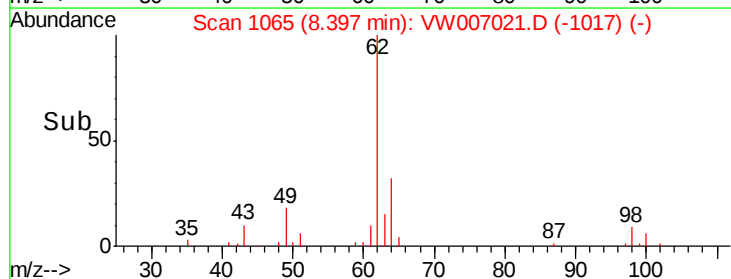
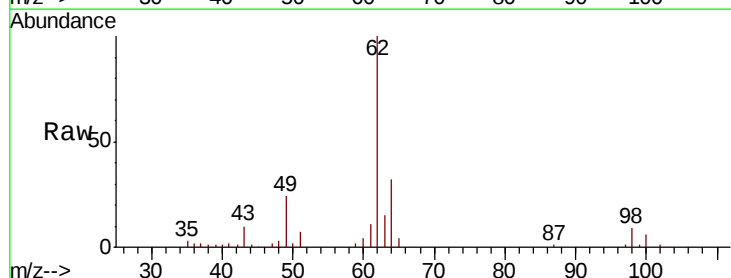
Manual Integrations
APPROVED

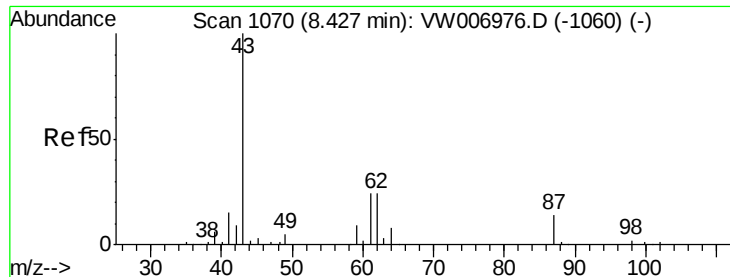
MMDadoda
11/26/2018 1:04:53 PM



#42
1,2-Dichloroethane
Concen: 24.188 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion:	62	Resp:	31828
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 24.962 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

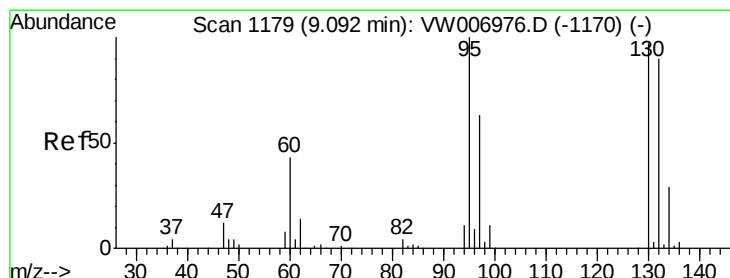
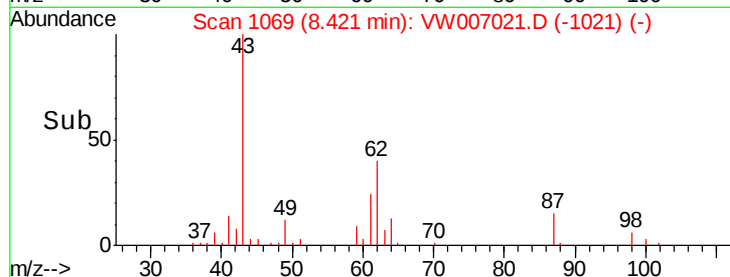
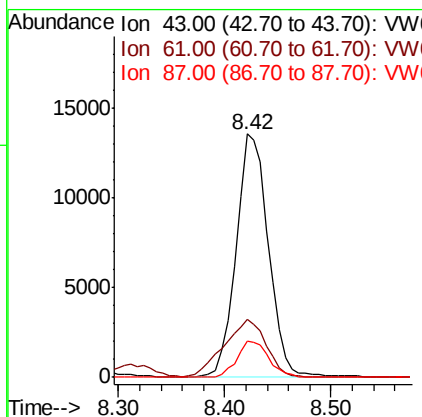
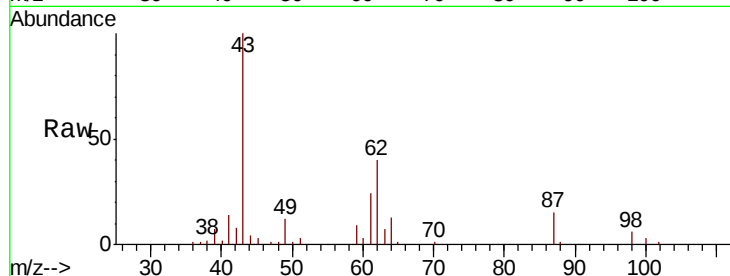
ClientSampleId :

VW1122SBS02

Tot Ion:	43	Resp:	28943
Ion	Ratio	Lower	Upper
43	100		
61	30.8	26.1	39.1
87	14.3	11.2	16.8

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#44

Trichloroethene

Concen: 23.920 ug/l

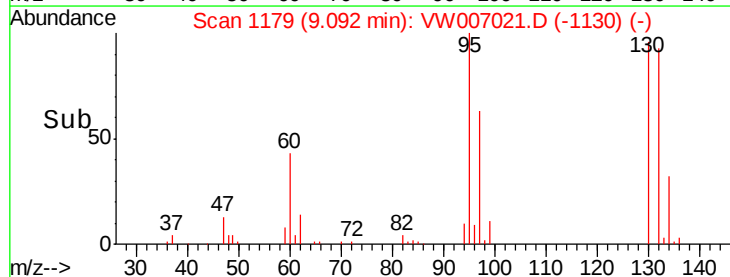
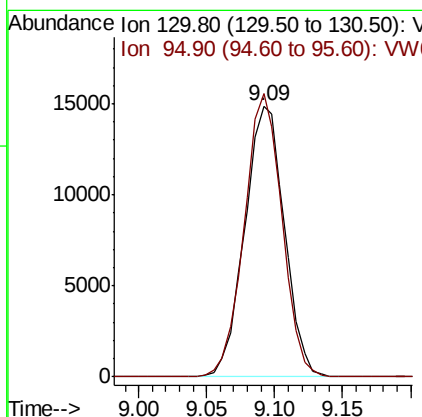
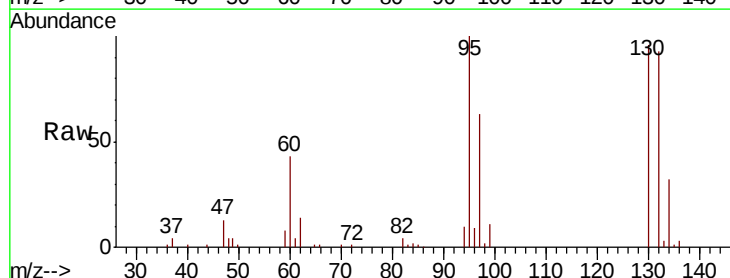
RT: 9.09 min Scan# 1179

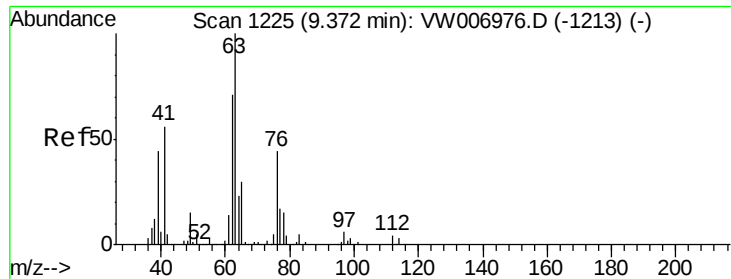
Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Tgt Ion:	130	Resp:	30391
Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	206.4





#45

1,2-Dichloropropane

Concen: 23.871 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion: 63 Resp: 26670

Ion Ratio Lower Upper

63 100

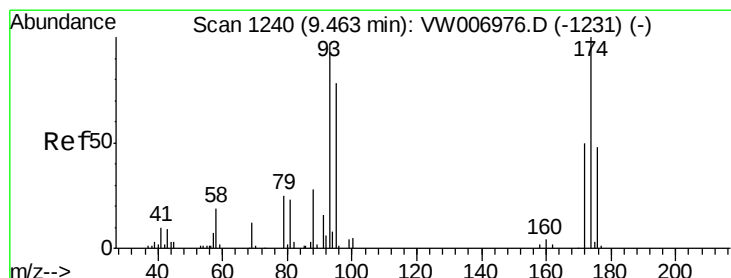
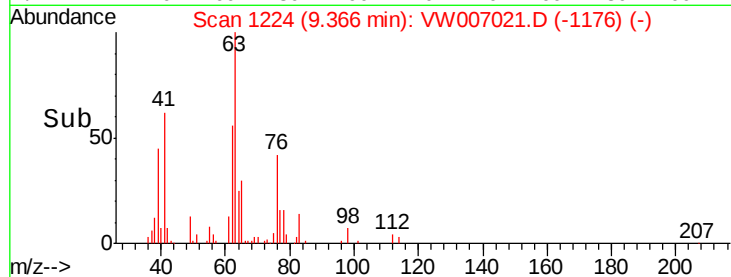
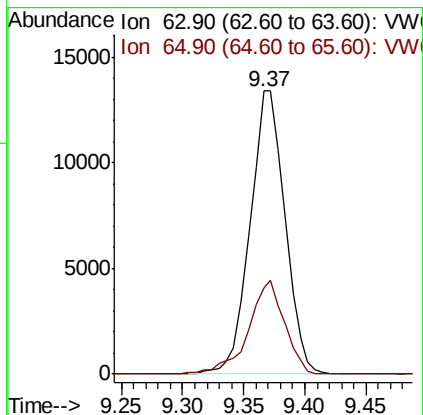
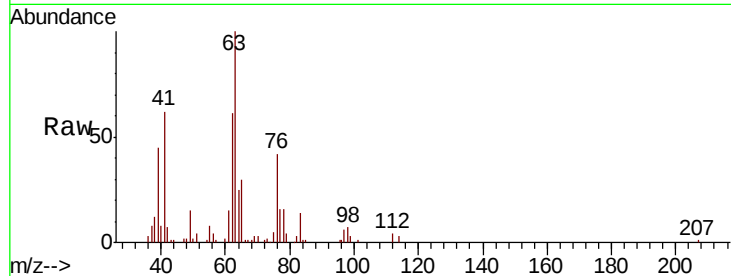
65 30.4 24.4 36.6

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#46

Dibromomethane

Concen: 24.288 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

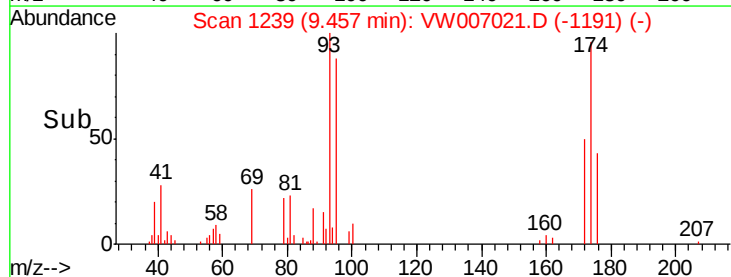
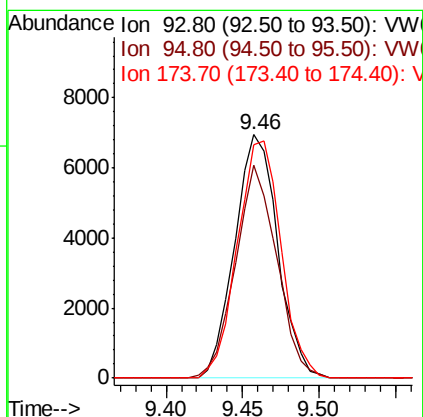
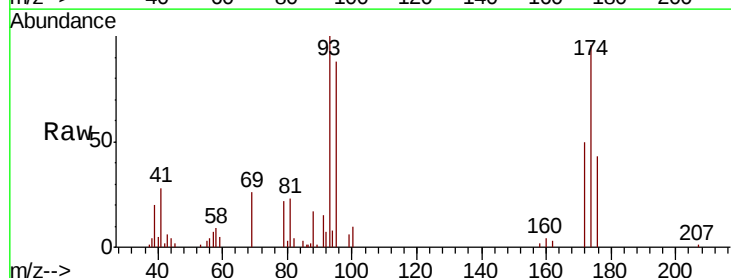
Tgt Ion: 93 Resp: 13589

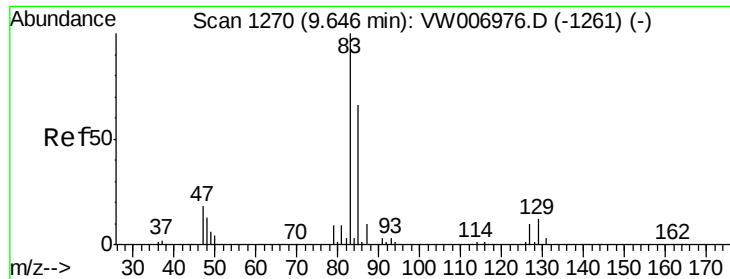
Ion Ratio Lower Upper

93 100

95 84.0 66.1 99.1

174 98.7 79.7 119.5





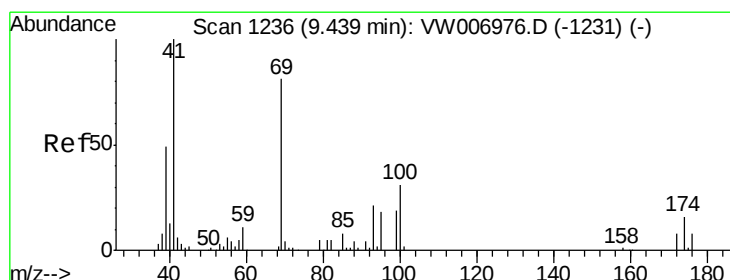
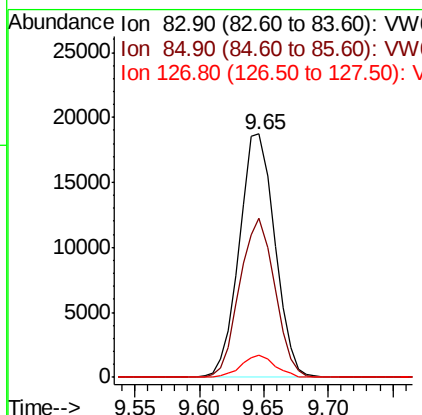
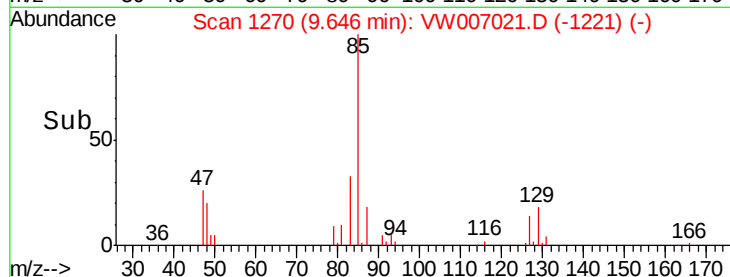
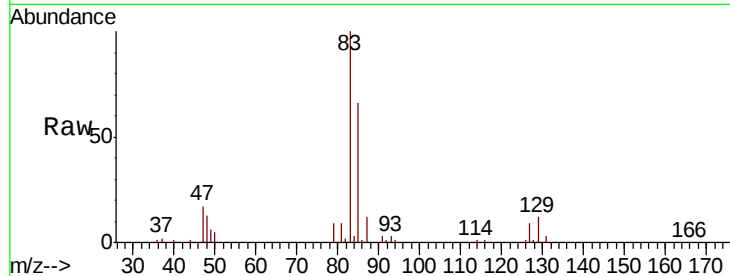
#47
Bromodichloromethane
Concen: 24.366 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.5	52.9	79.3	
127	9.3	7.8	11.6	

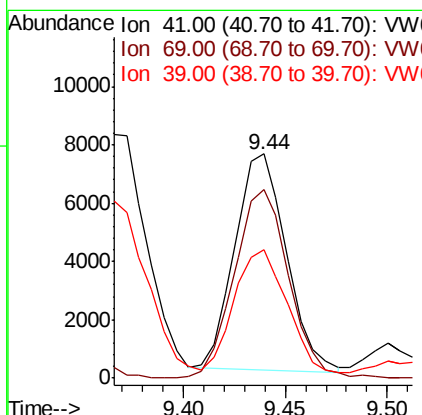
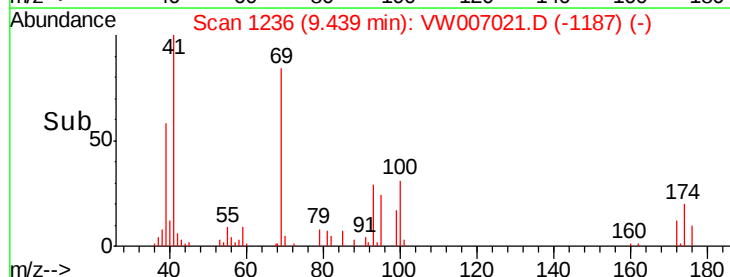
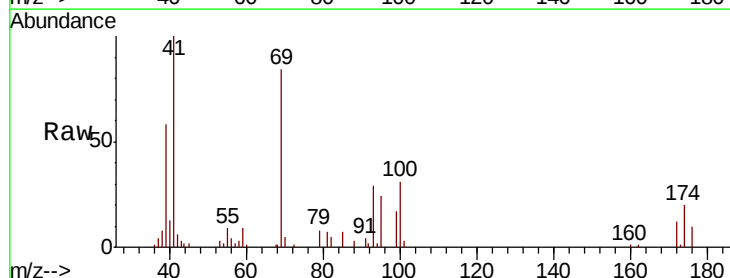
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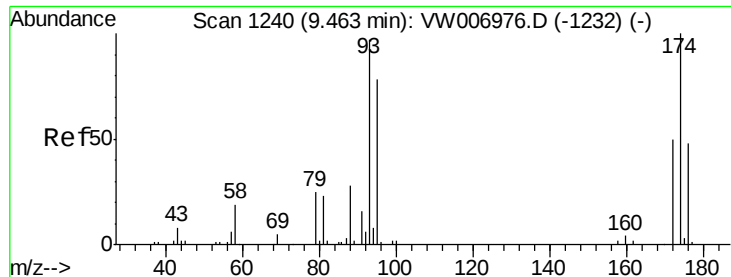
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#48
Methyl methacrylate
Concen: 23.274 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.5	71.4	107.0	
39	63.8	44.8	67.2	





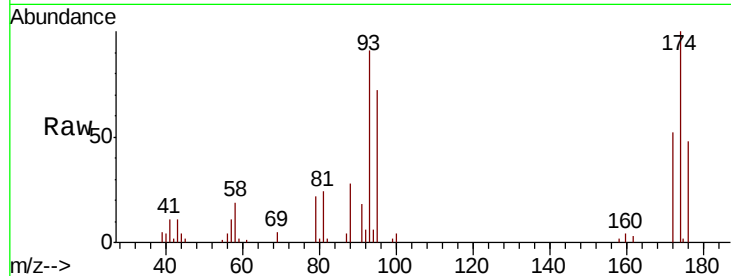
#49
1,4-Dioxane
Concen: 438.556 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

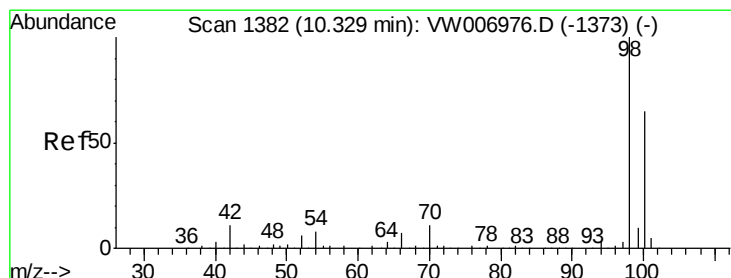
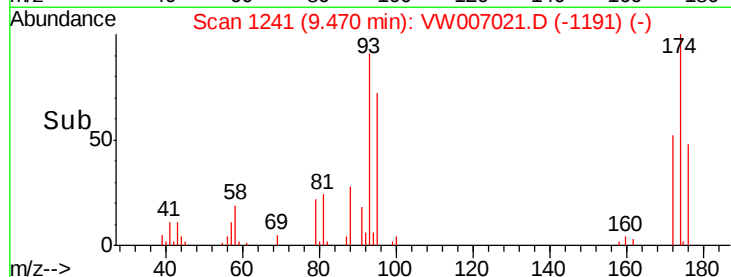
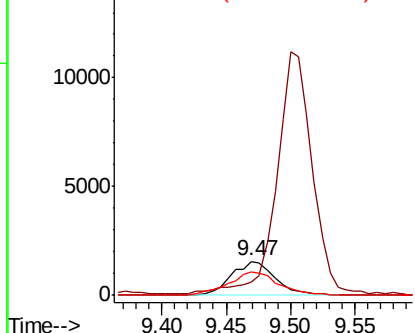
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.9	59.0	88.6

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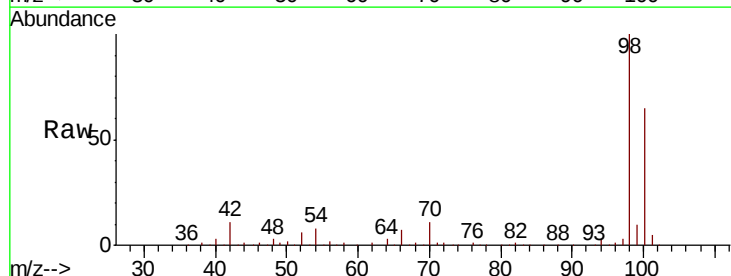


Abundance Ion 88.00 (87.70 to 88.70): VW
15000 Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

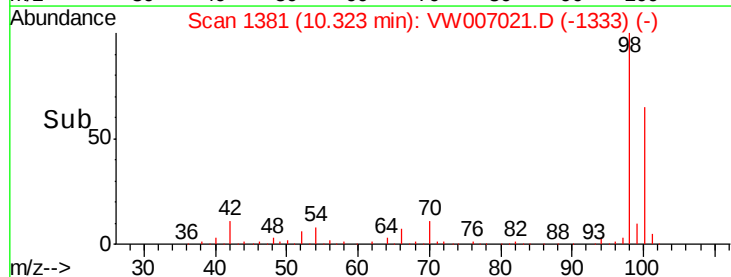
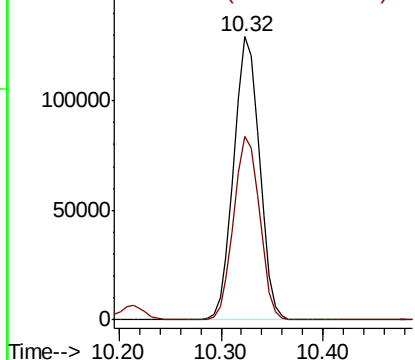


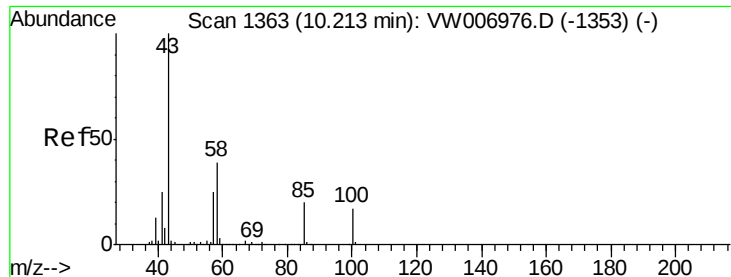
#50
Toluene-d8
Concen: 52.557 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
150000 Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 122.213 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion: 43 Resp: 71611

Ion Ratio Lower Upper

43 100

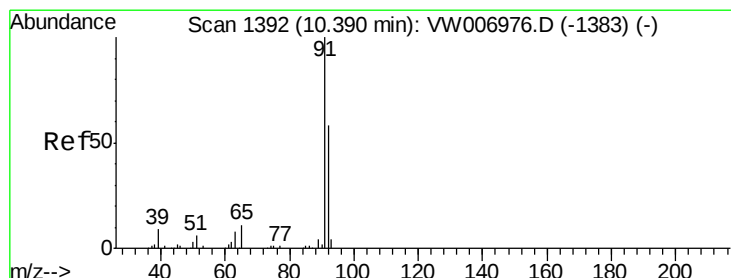
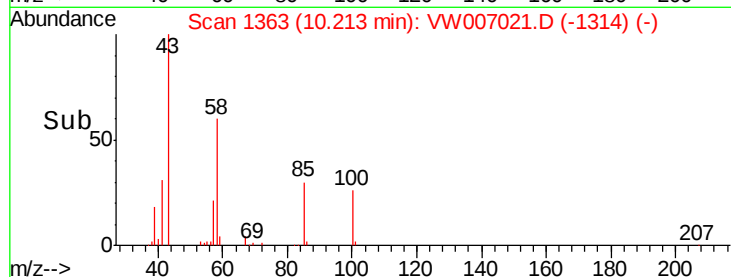
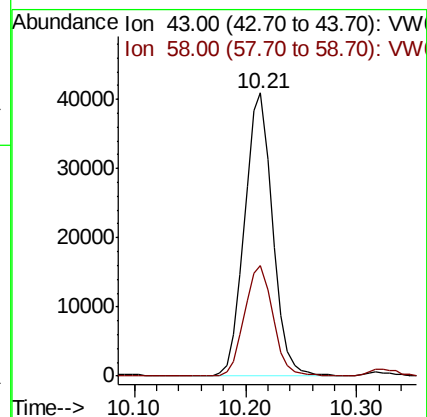
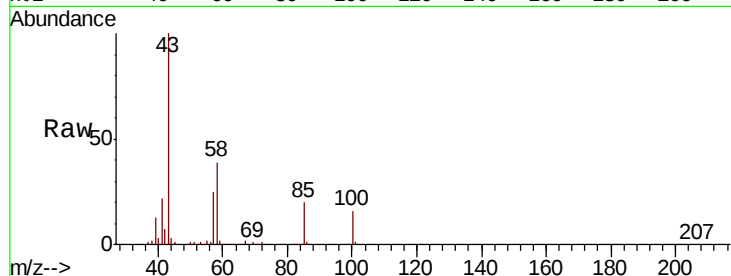
58 39.5 31.8 47.6

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11/26/2018 1:04:53 PM



#52

Toluene

Concen: 22.660 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007021.D

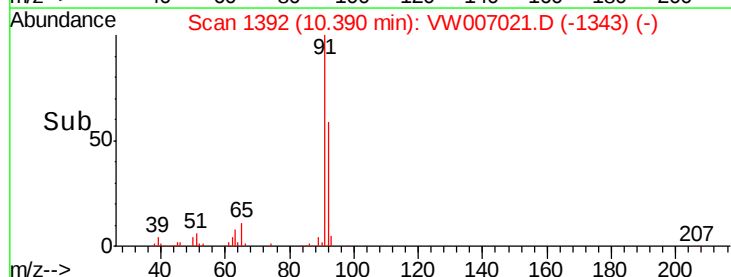
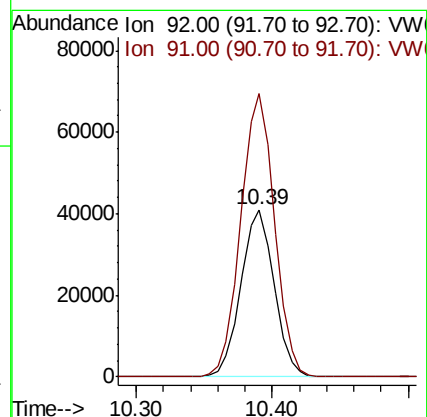
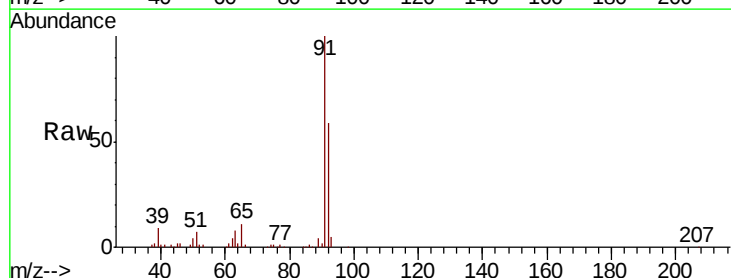
Acq: 22 Nov 2018 02:27

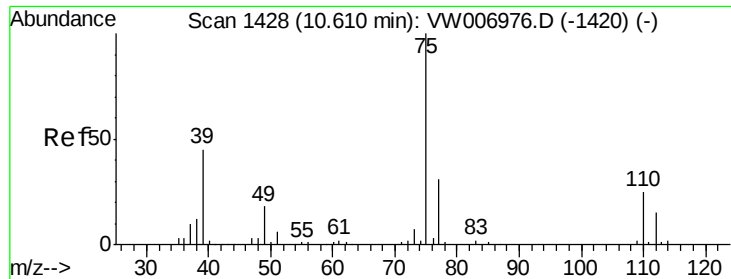
Tgt Ion: 92 Resp: 69893

Ion Ratio Lower Upper

92 100

91 171.4 137.3 205.9





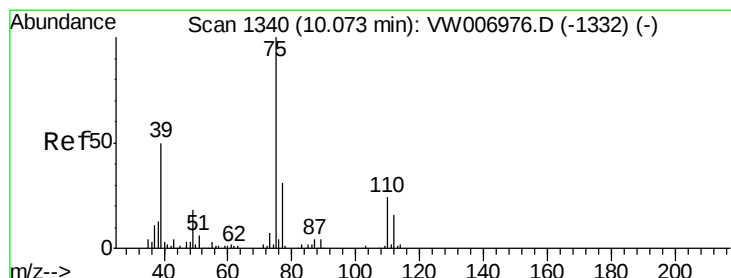
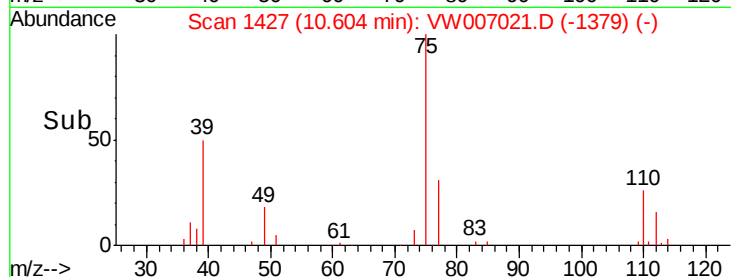
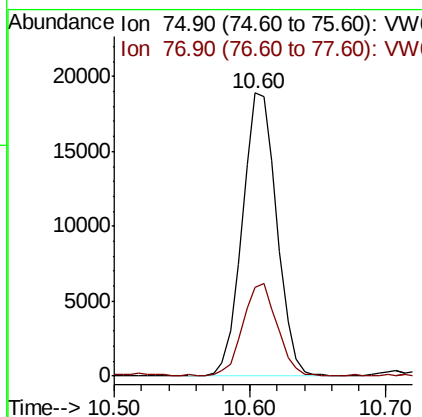
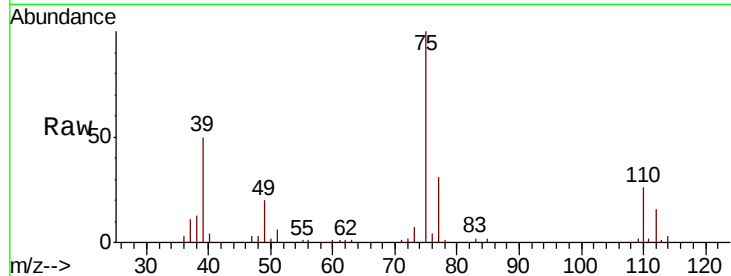
#53
t-1,3-Dichloropropene
Concen: 23.367 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion: 75 Resp: 33368
Ion Ratio Lower Upper
75 100
77 31.2 24.7 37.1

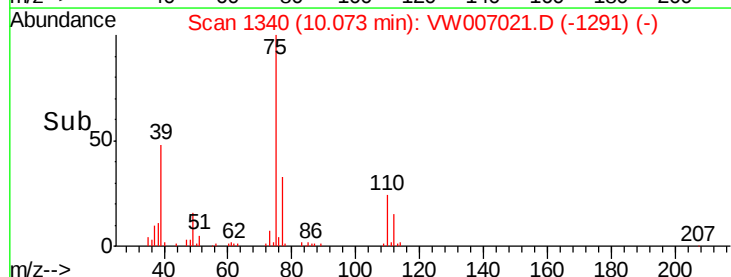
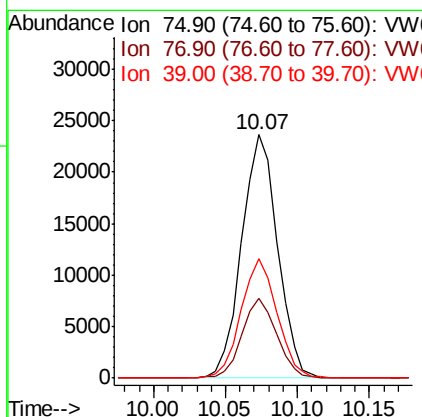
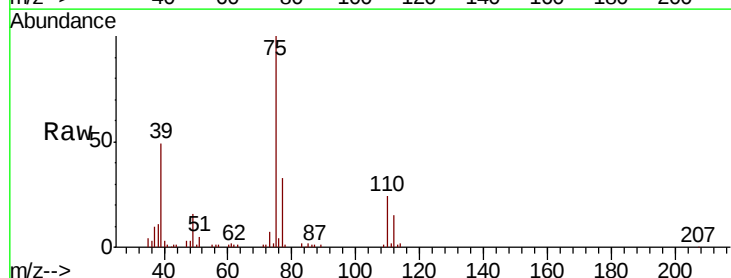
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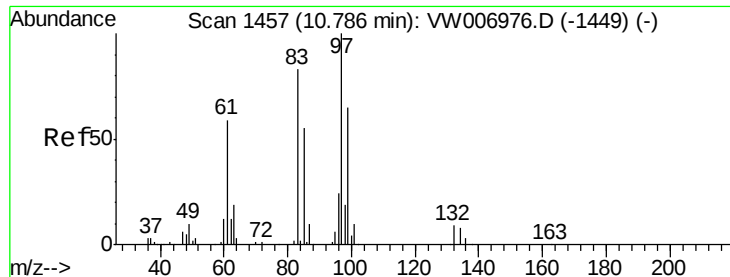
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11/26/2018 1:04:53 PM



#54
cis-1,3-Dichloropropene
Concen: 23.635 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 75 Resp: 40776
Ion Ratio Lower Upper
75 100
77 33.0 25.0 37.6
39 49.0 39.9 59.9





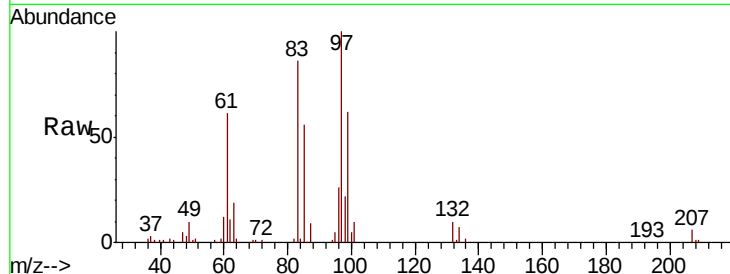
#55
 1,1,2-Trichloroethane
 Concen: 24.274 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1122SBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	66.4	99.6
85	56.2	44.1	66.1
99	62.2	51.7	77.5

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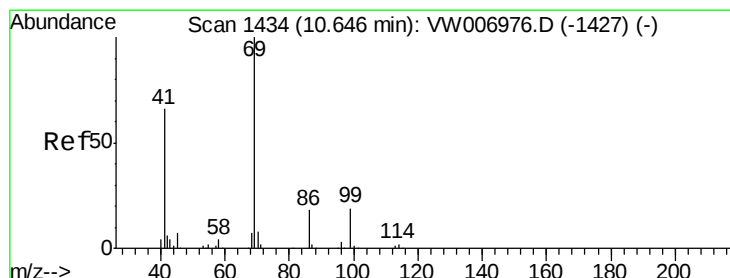
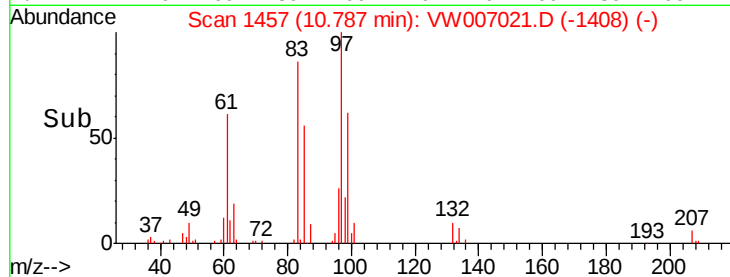
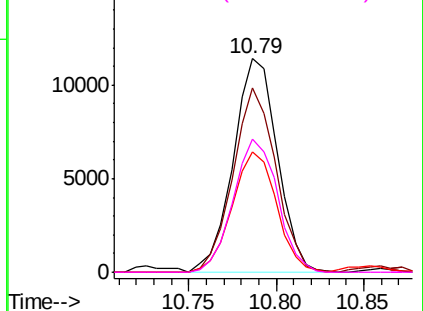
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

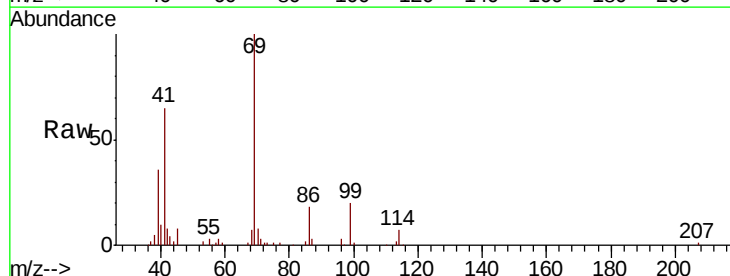
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 23.883 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.4	80.0
39	34.4	28.2	42.4

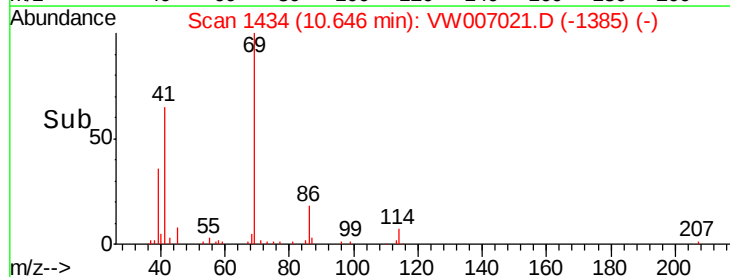
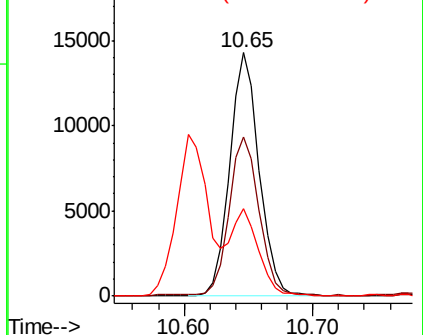


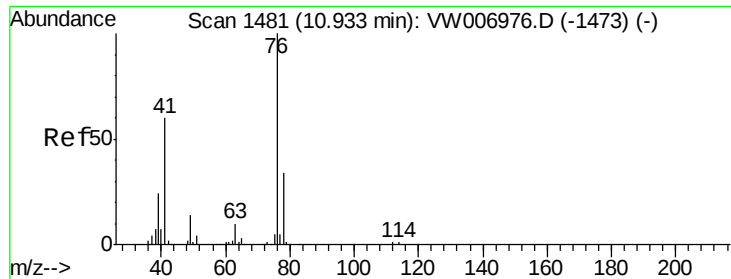
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 24.940 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion: 76 Resp: 34404

Ion Ratio Lower Upper

76 100

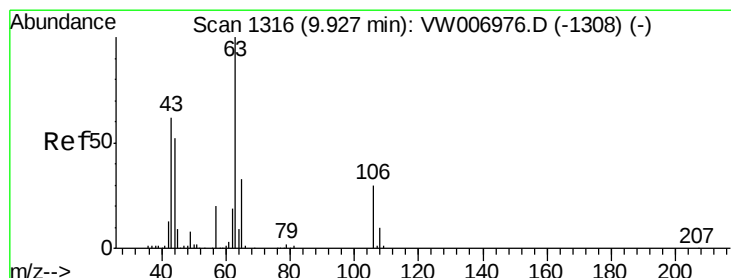
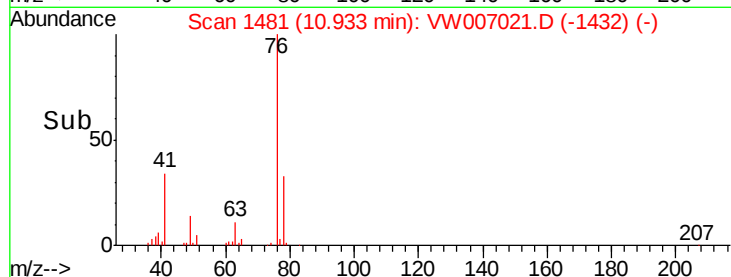
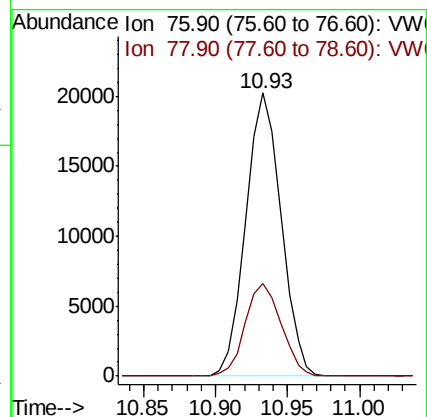
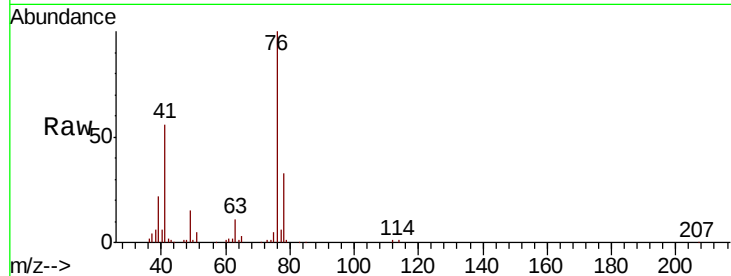
78 33.2 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 109.457 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW007021.D

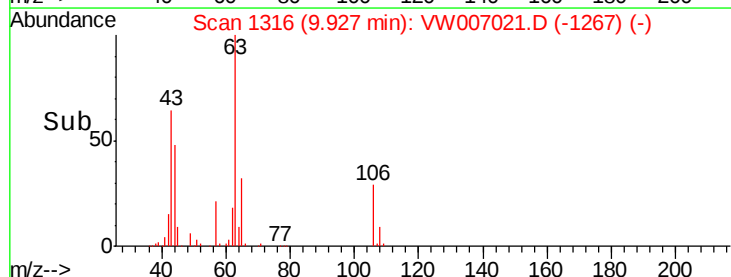
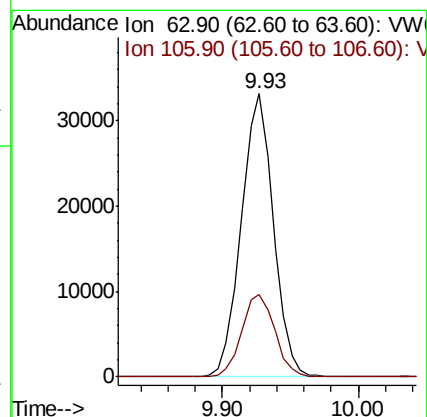
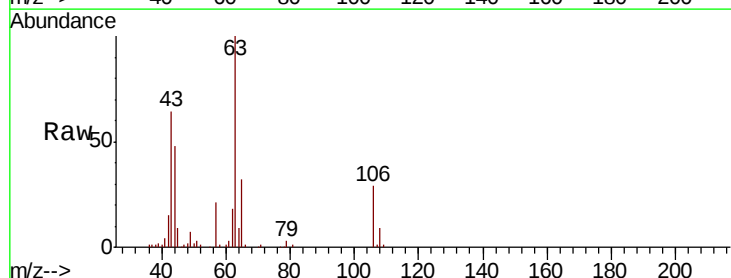
Acq: 22 Nov 2018 02:27

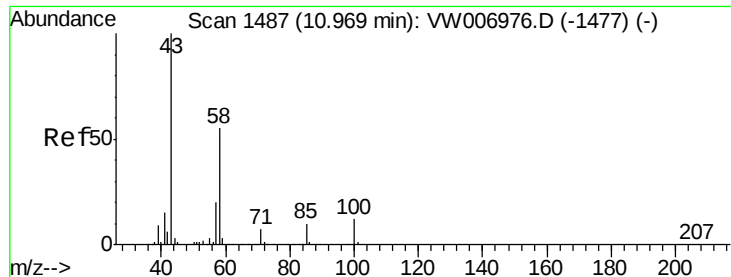
Tgt Ion: 63 Resp: 54653

Ion Ratio Lower Upper

63 100

106 30.0 23.5 35.3





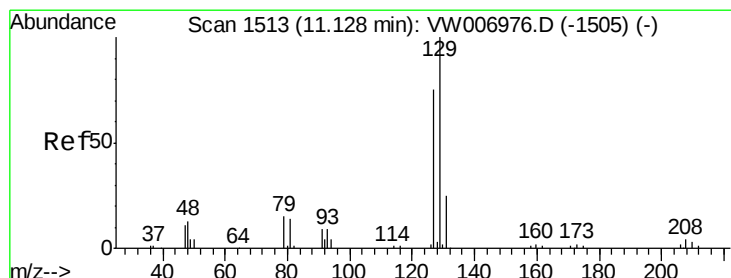
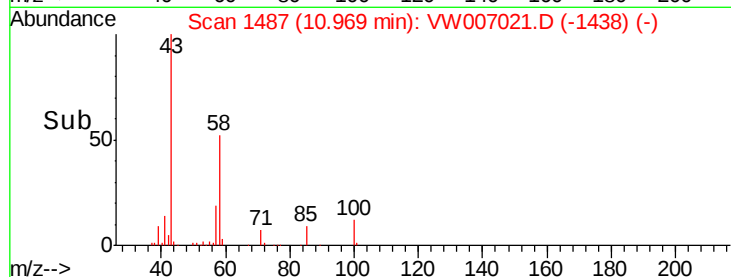
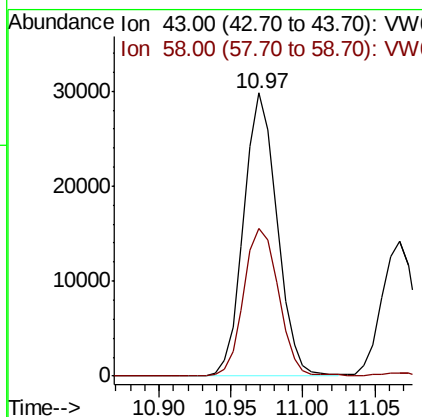
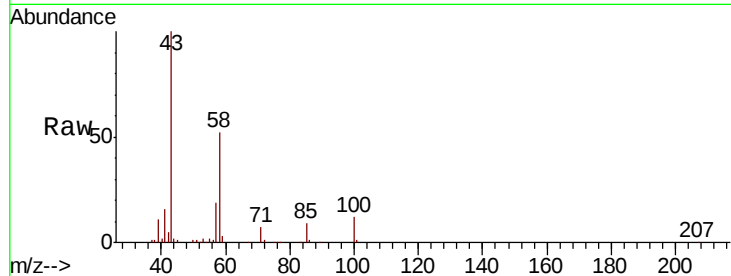
#59
2-Hexanone
Concen: 119.390 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBSD02

Tot Ion: 43 Resp: 47906
Ion Ratio Lower Upper
43 100
58 54.6 27.3 81.8

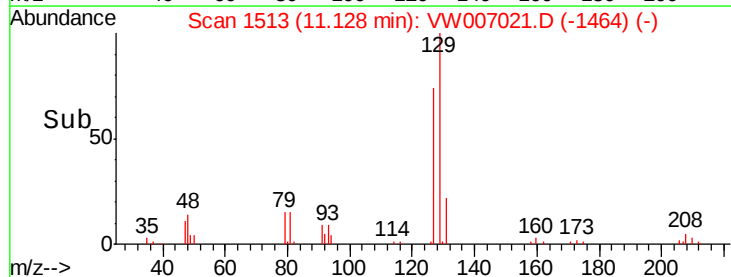
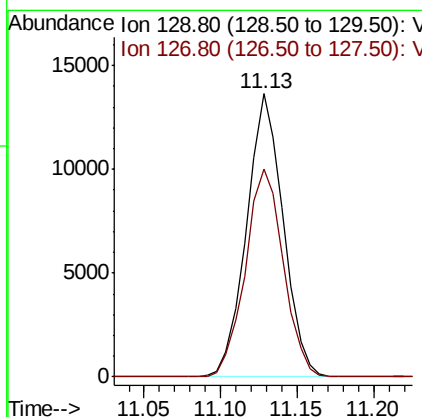
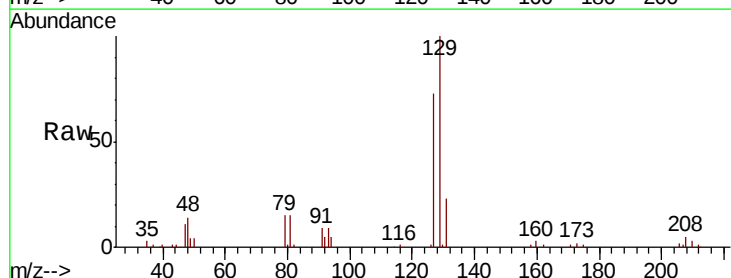
Manual Integrations
APPROVED

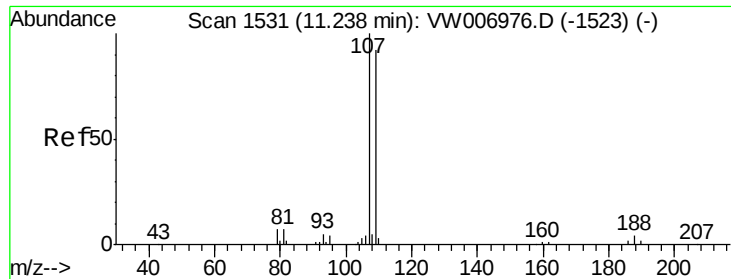
MMDadoda
11/26/2018 1:04:53 PM



#60
Dibromochloromethane
Concen: 24.149 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 129 Resp: 22651
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.8





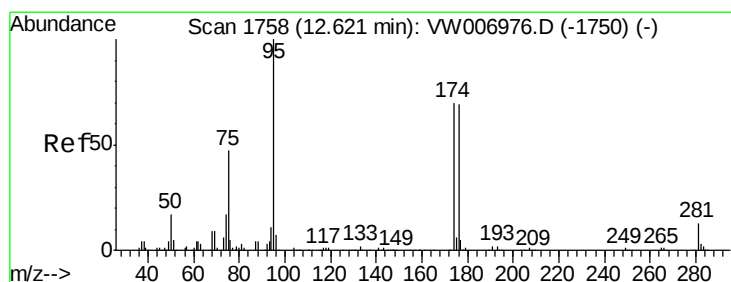
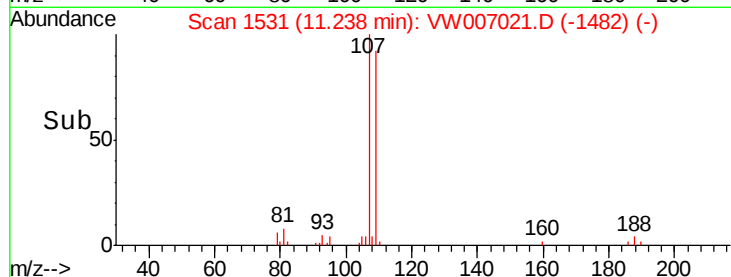
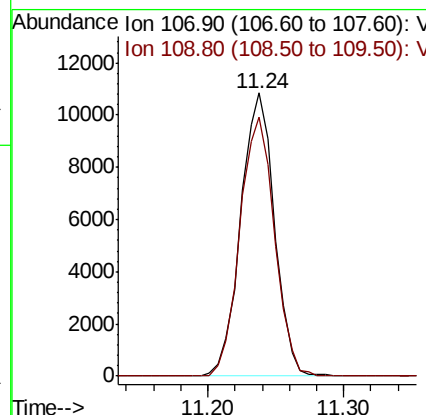
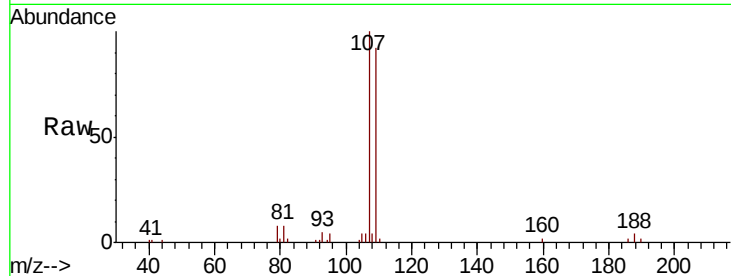
#61
 1,2-Dibromoethane
 Concen: 24.890 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1122SBSD02

Tot Ion: 107 Resp: 18743
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.1 112.7

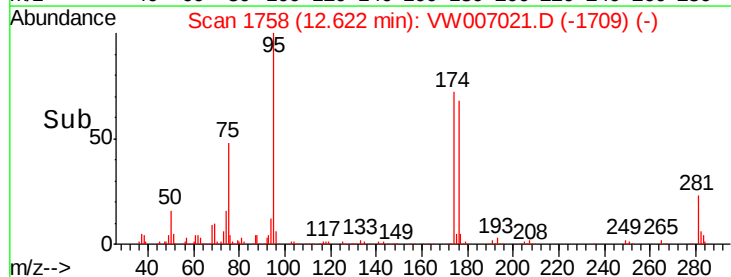
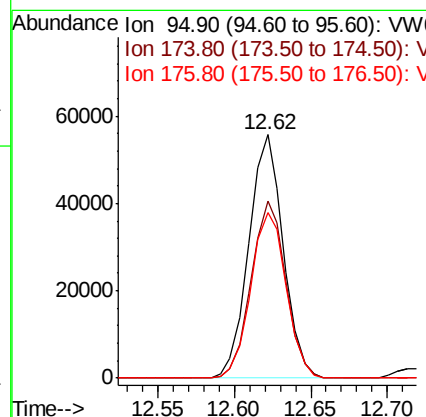
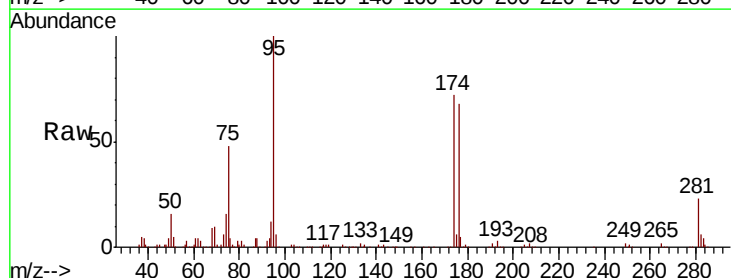
Manual Integrations
 APPROVED

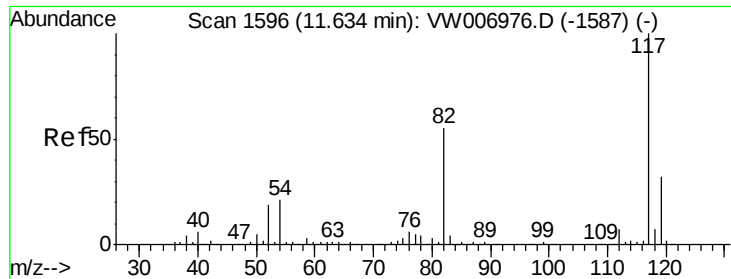
MMDadoda
 11/26/2018 1:04:53 PM



#62
 4-Bromofluorobenzene
 Concen: 51.458 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion: 95 Resp: 86765
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 143.6
 176 70.3 0.0 140.4





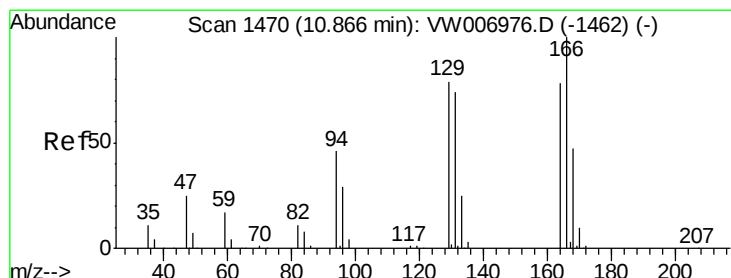
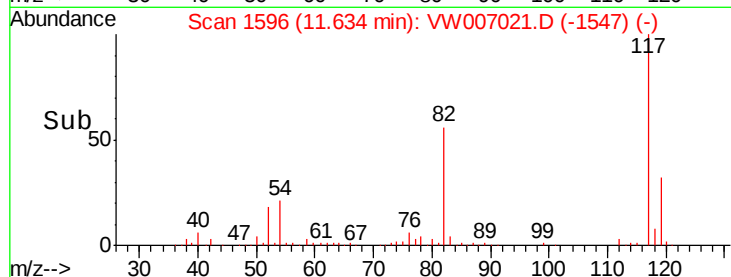
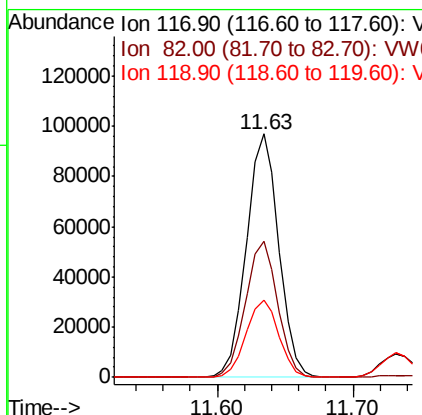
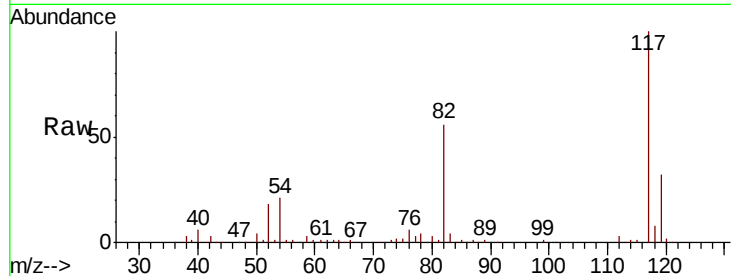
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.2	66.2
119	31.7	25.9	38.9

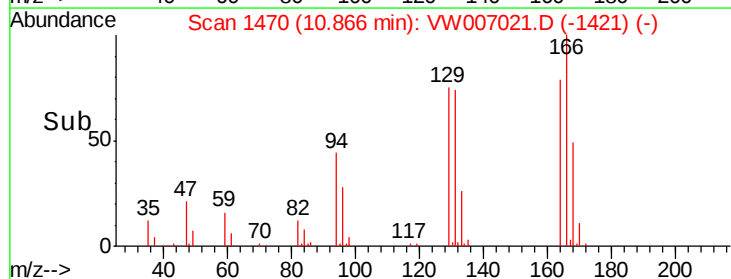
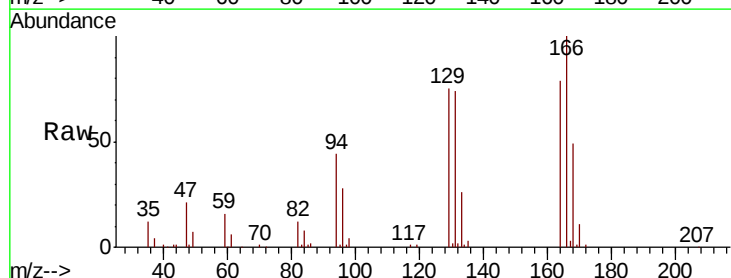
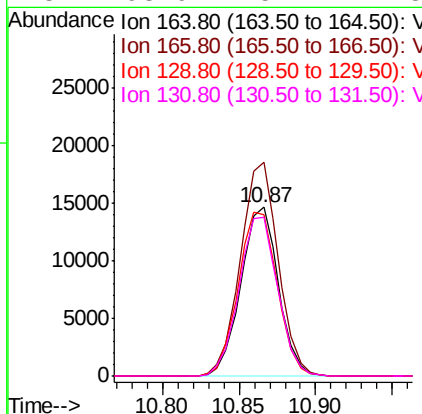
Manual Integrations
APPROVED

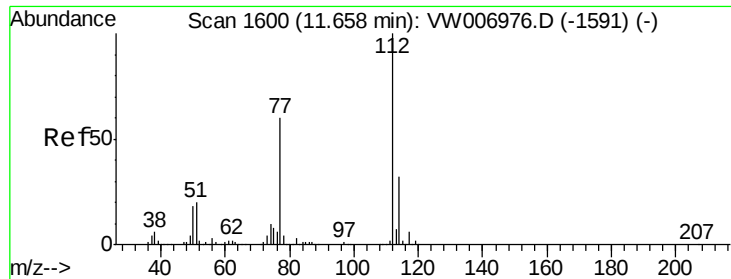
MMDadoda
11/26/2018 1:04:53 PM



#64
Tetrachloroethene
Concen: 24.016 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.1	153.1
129	95.2	80.4	120.6
131	93.9	75.2	112.8





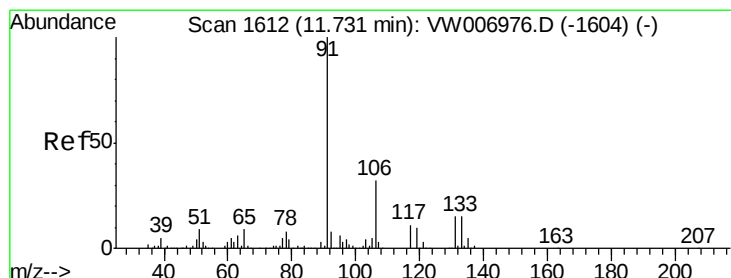
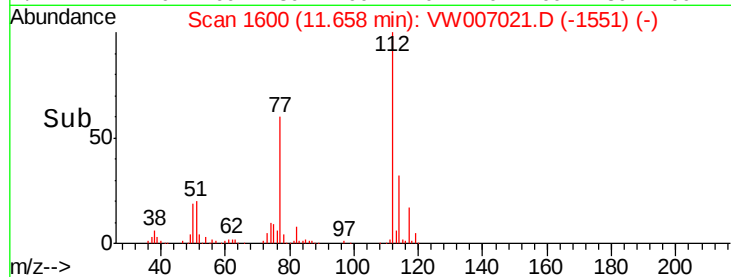
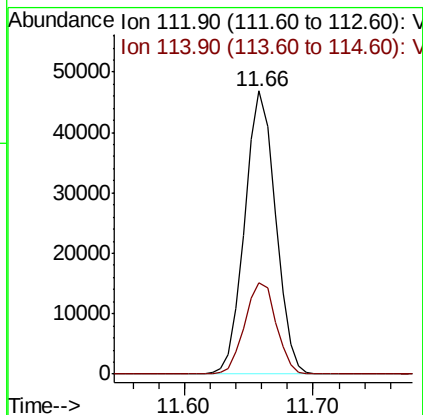
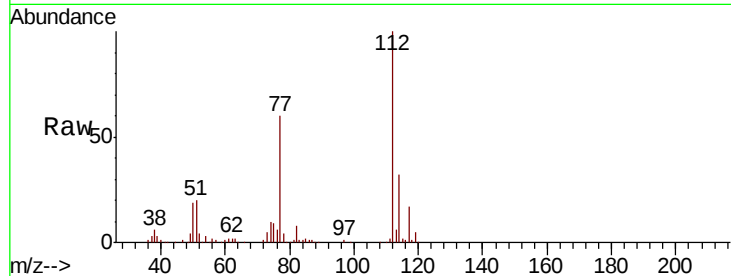
#65
Chlorobenzene
Concen: 22.965 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBSD02

Tot Ion:112 Resp: 77335
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8

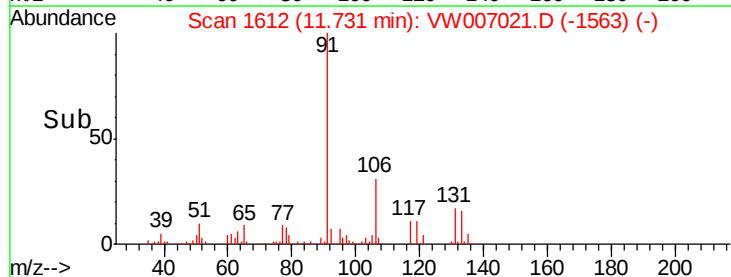
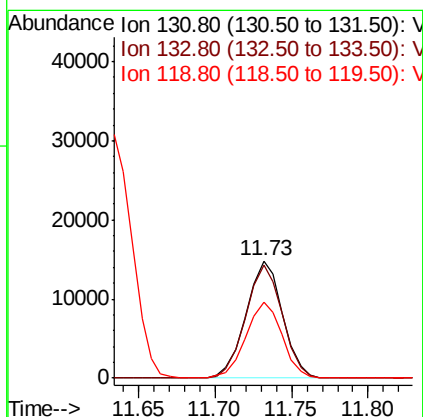
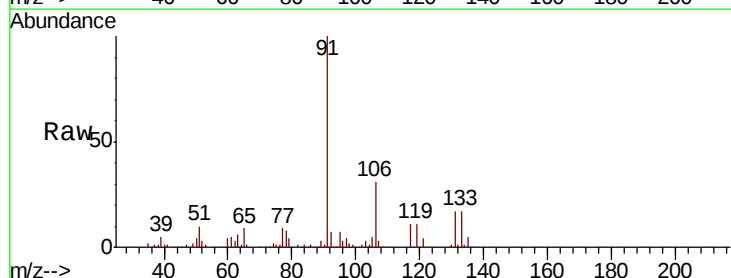
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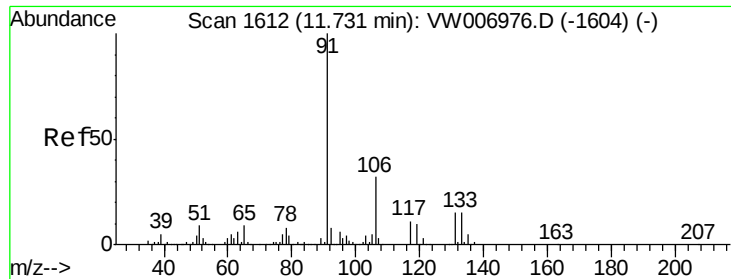
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.019 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion:131 Resp: 24468
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 64.7 31.8 95.3





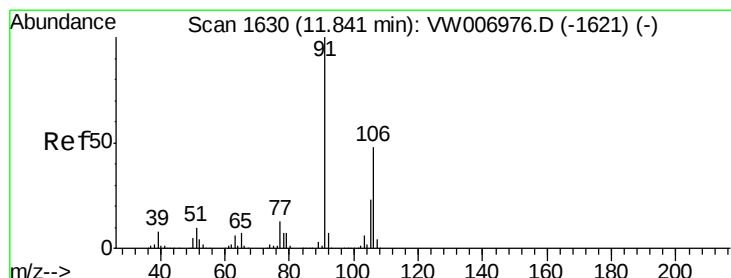
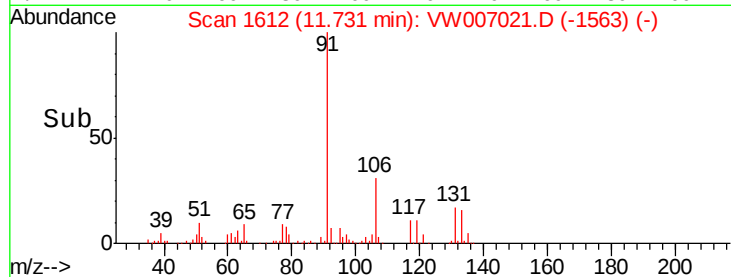
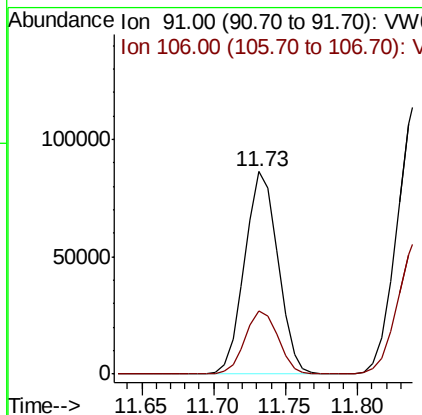
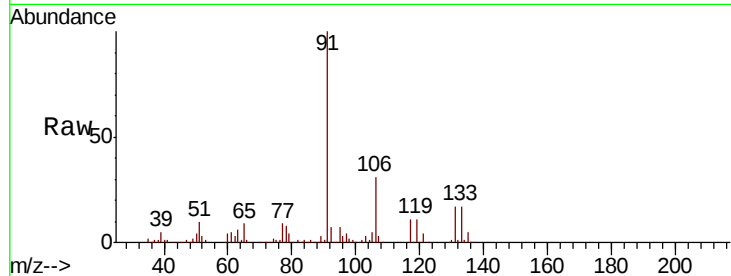
#67
Ethyl Benzene
Concen: 22.246 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion: 91 Resp: 137624
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2

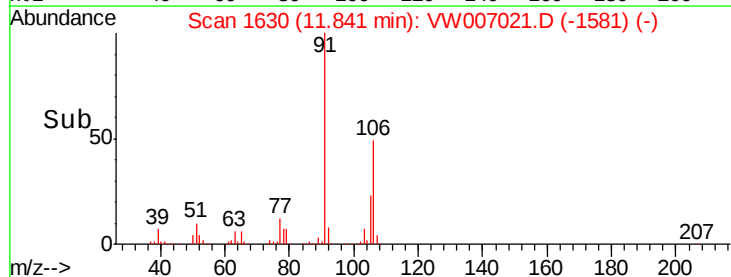
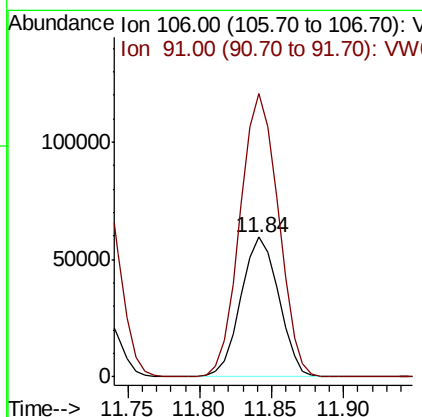
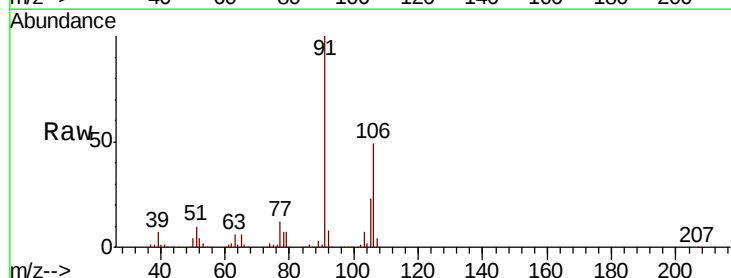
Manual Integrations
APPROVED

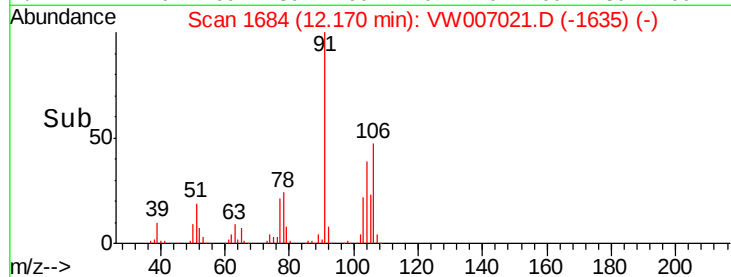
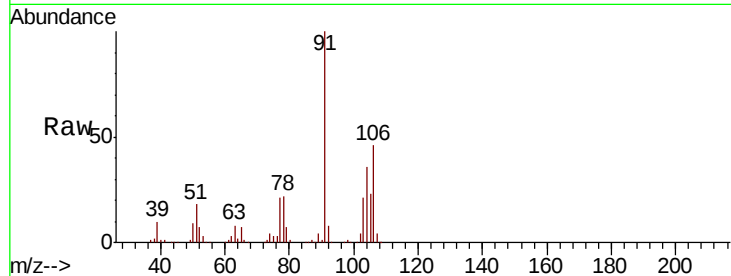
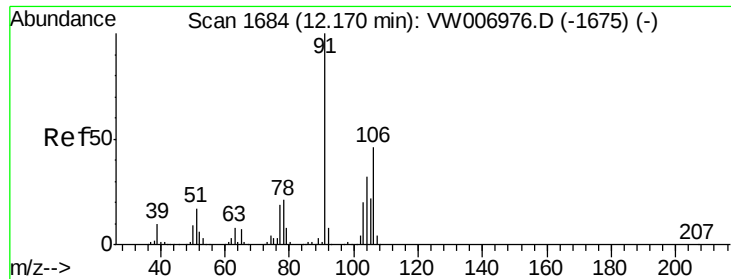
MMDadoda
11/26/2018 1:04:53 PM



#68
m/p-Xylenes
Concen: 44.853 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 106 Resp: 108862
Ion Ratio Lower Upper
106 100
91 205.0 164.8 247.2





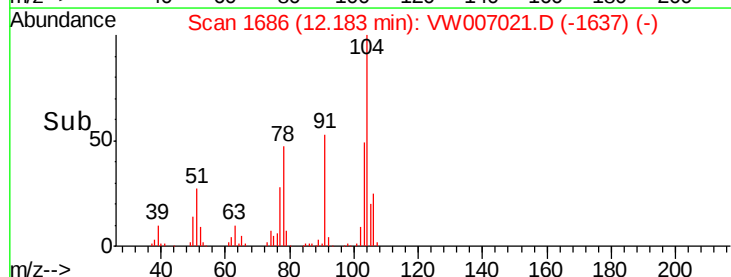
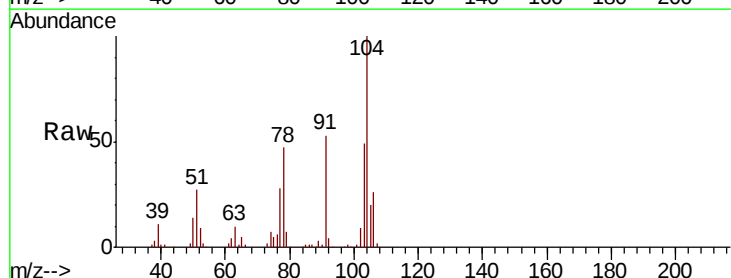
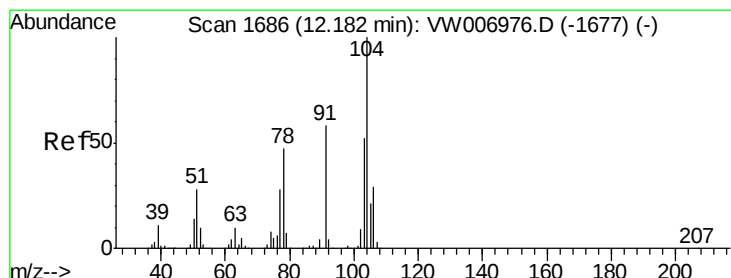
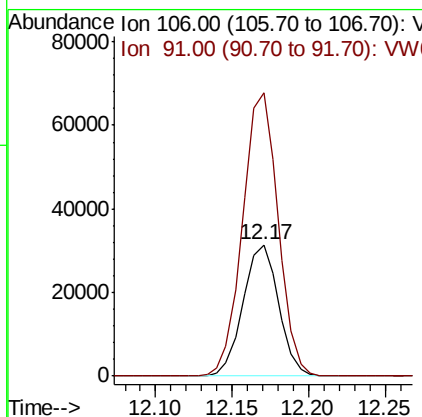
#69
o-Xylene
Concen: 22.178 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tot Ion:106 Resp: 50755
Ion Ratio Lower Upper
106 100
91 215.3 107.9 323.8

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

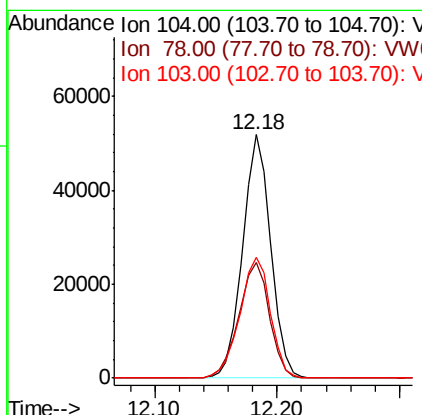
Manual Integrations
APPROVED

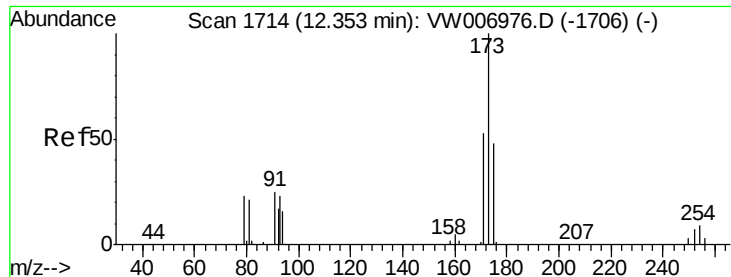
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#70
Styrene
Concen: 22.651 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion:104 Resp: 82505
Ion Ratio Lower Upper
104 100
78 51.7 41.8 62.8
103 54.3 44.4 66.6





#71

Bromoform

Concen: 24.493 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion:173 Resp: 11754

Ion Ratio Lower Upper

173 100

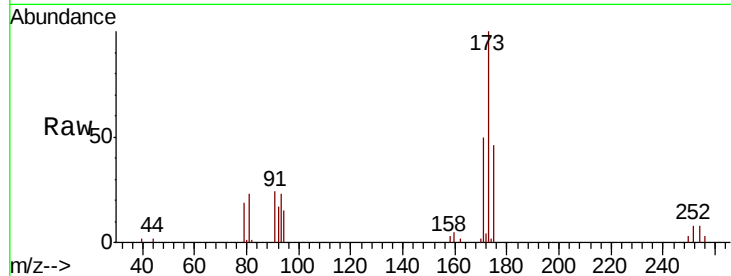
175 48.3 24.0 72.0

254 0.0 0.0 0.0

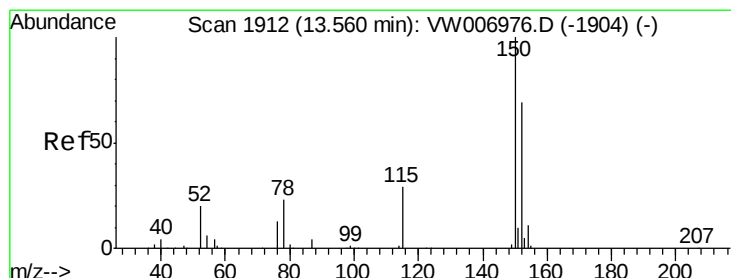
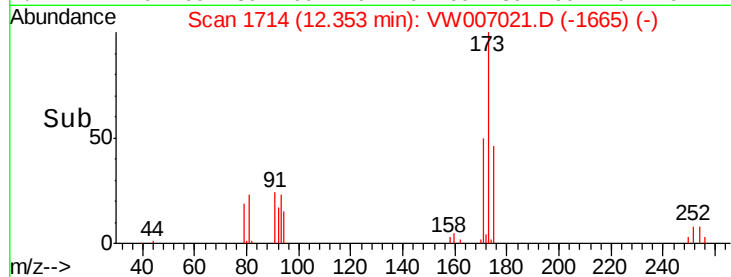
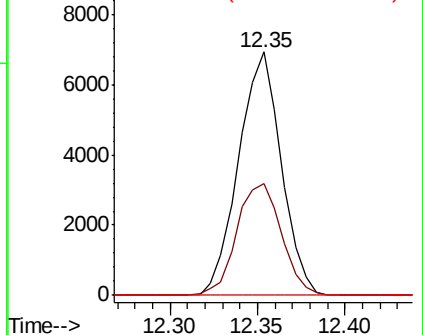
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

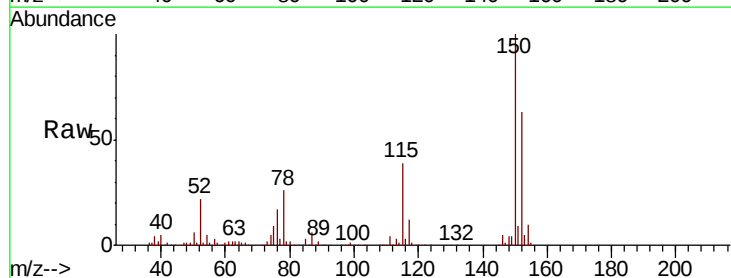
Tgt Ion:152 Resp: 78786

Ion Ratio Lower Upper

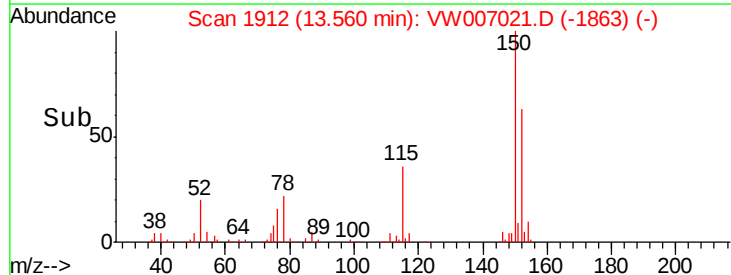
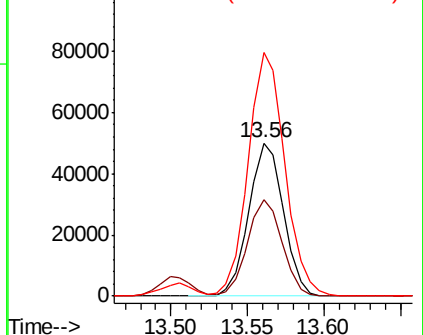
152 100

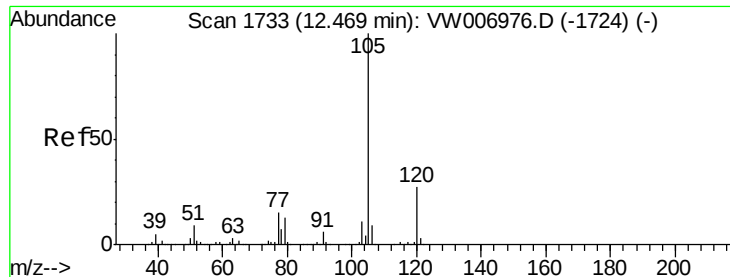
115 62.7 31.4 94.2

150 168.3 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.834 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion:105 Resp: 139817

Ion Ratio Lower Upper

105 100

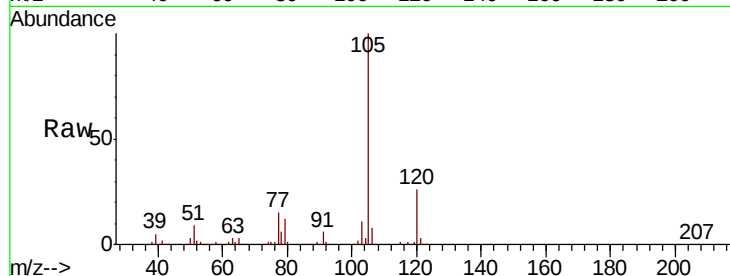
120 26.2 13.3 39.8

Manual Integrations

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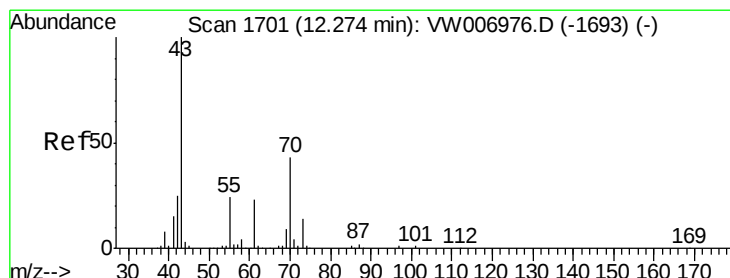
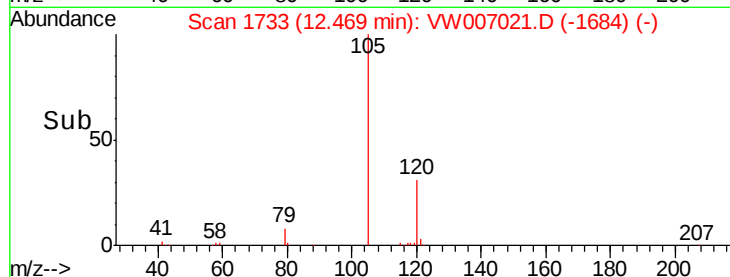
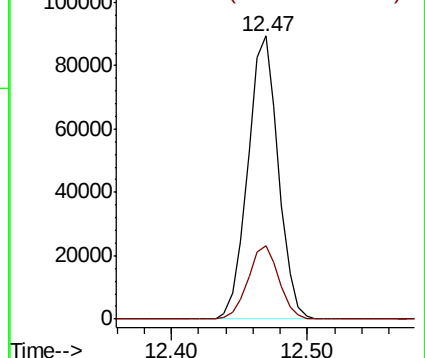
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.645 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Tgt Ion: 43 Resp: 24265

Ion Ratio Lower Upper

43 100

70 43.3 34.0 51.0

55 24.9 19.4 29.0

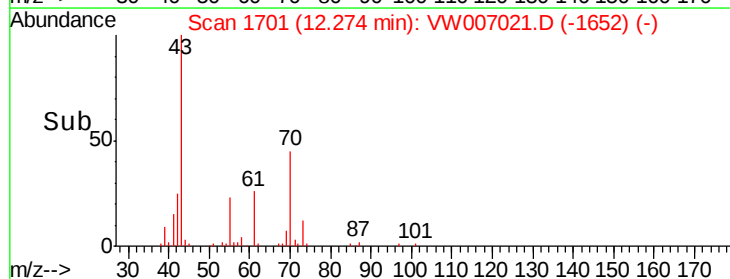
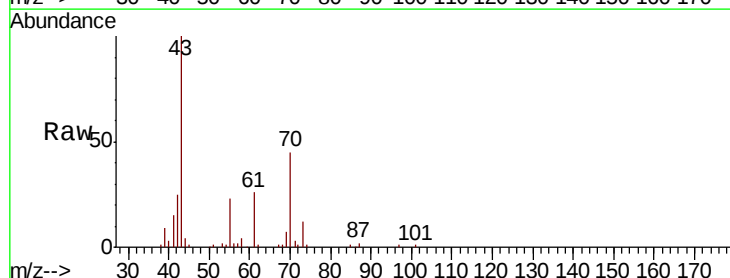
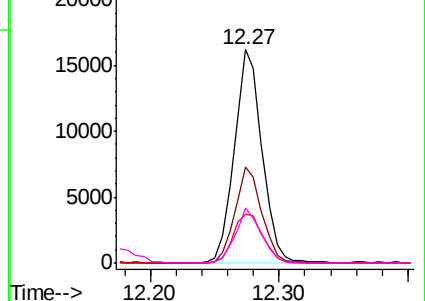
61 24.0 19.4 29.2

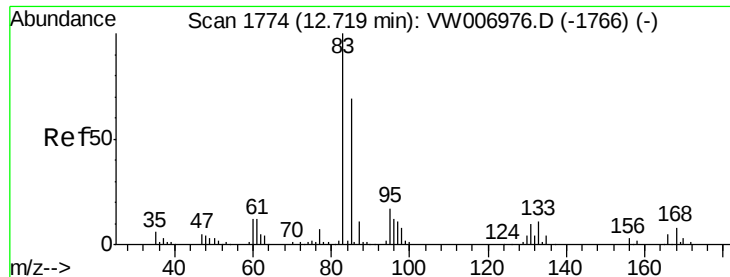
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





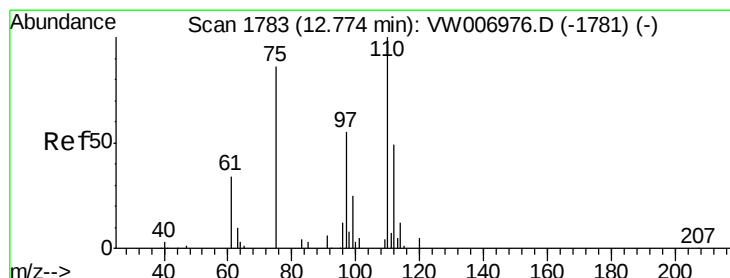
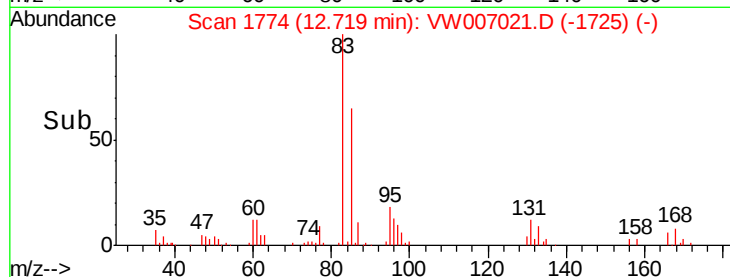
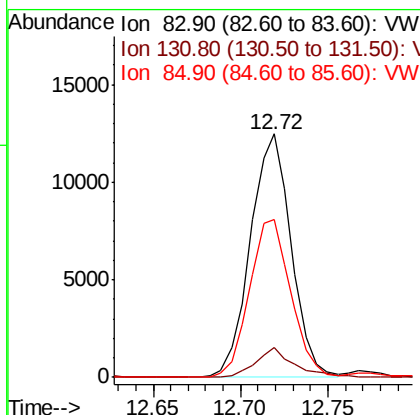
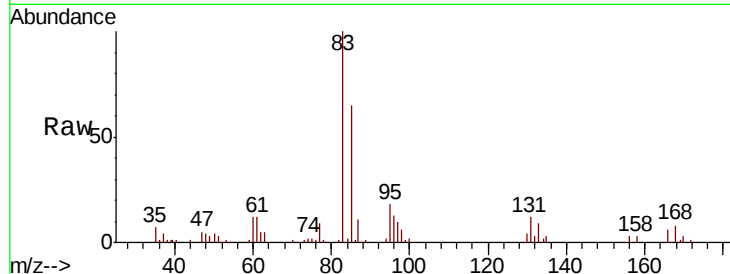
#75
 1,1,2,2-Tetrachloroethane
 Concen: 24.965 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1122SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.7	17.1
85	65.6	33.1	99.2

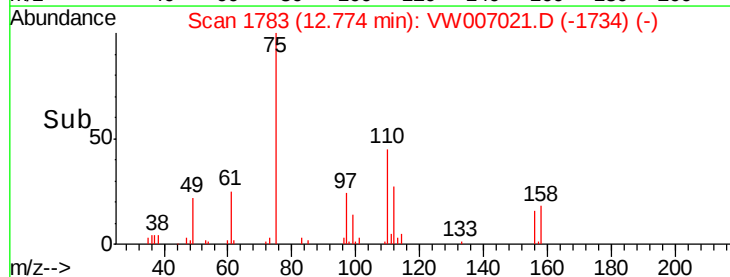
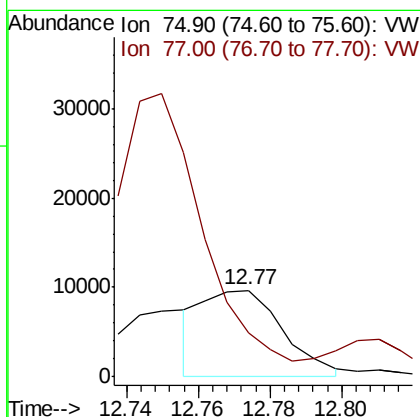
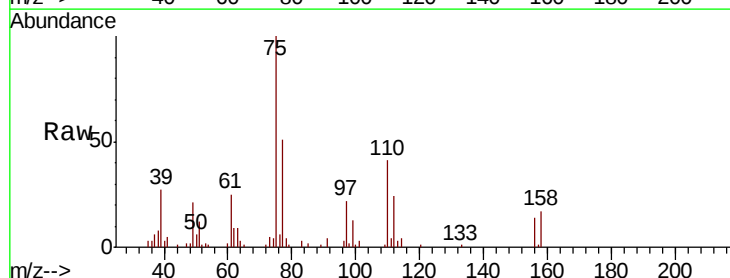
Manual Integrations
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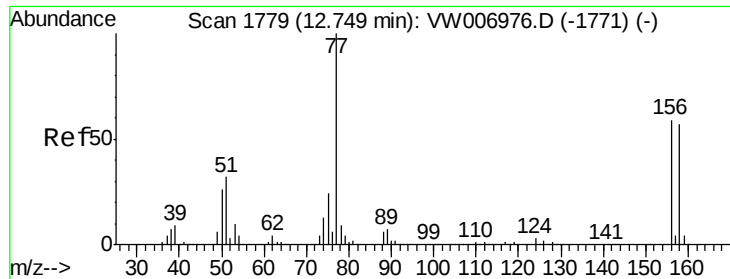
MMDadoda
 11/26/2018 1:04:53 PM



#76
 1,2,3-Trichloropropane
 Concen: 24.544 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 23.266 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBS02

Tot Ion:156 Resp: 30598

Ion Ratio Lower Upper

156 100

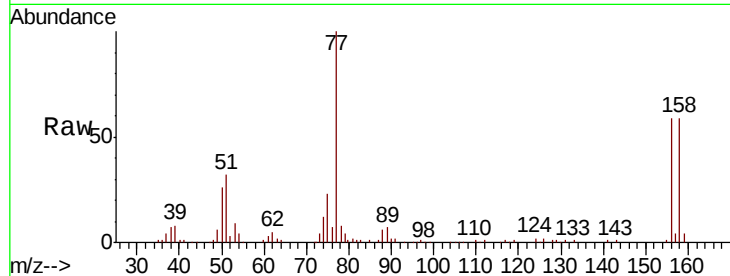
77 187.5 94.6 283.8

158 97.6 48.9 146.7

Manual Integrations
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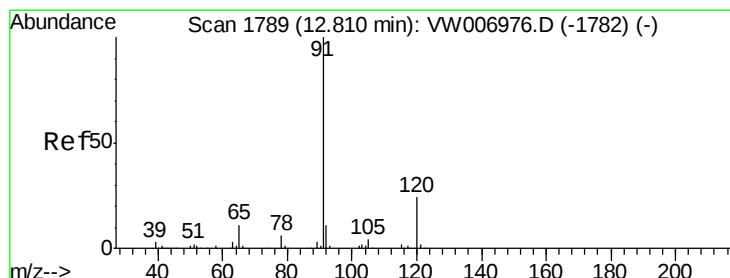
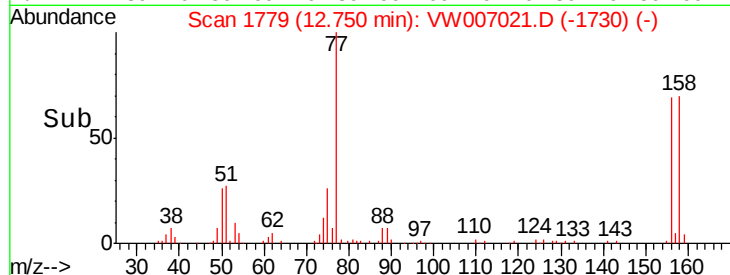
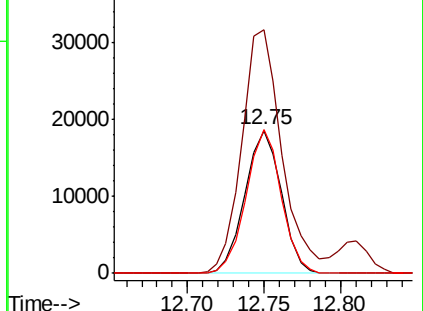
11/26/2018 1:04:53 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.439 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007021.D

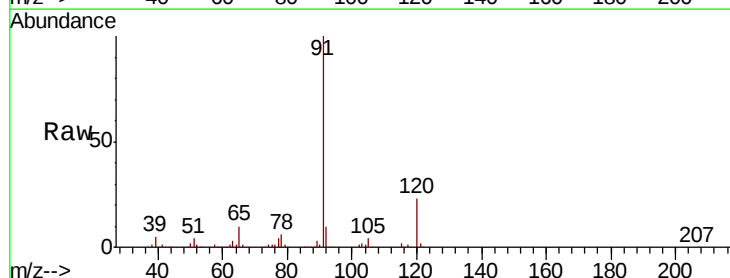
Acq: 22 Nov 2018 02:27

Tgt Ion: 91 Resp: 166430

Ion Ratio Lower Upper

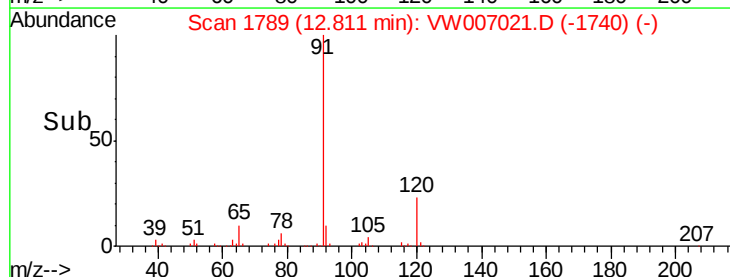
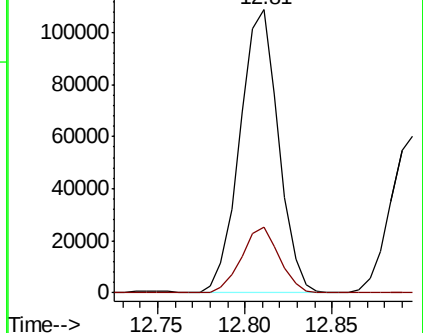
91 100

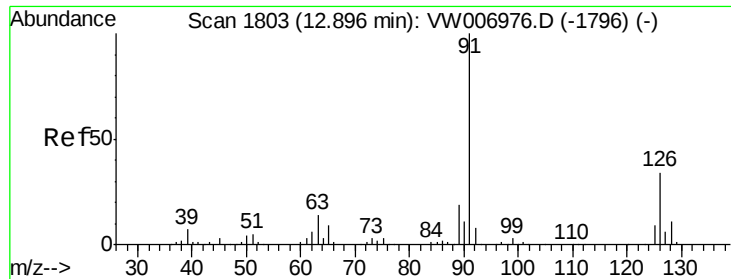
120 22.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





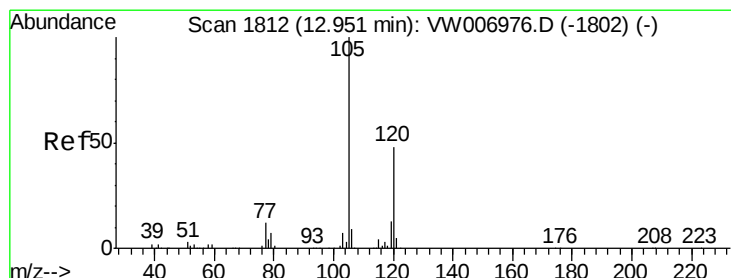
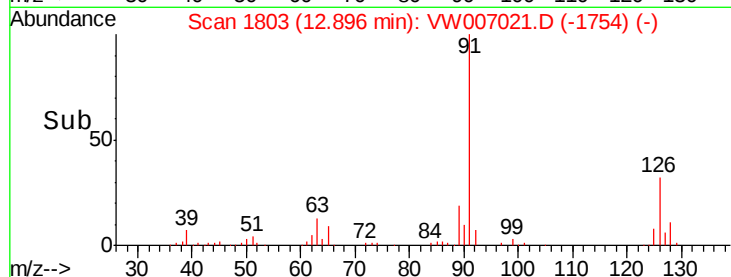
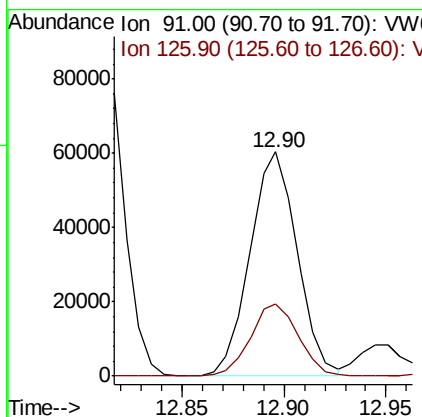
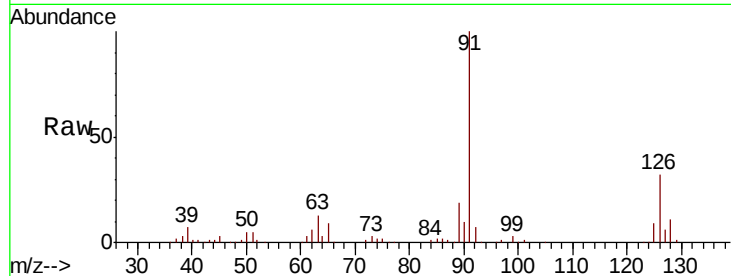
#79
2-Chlorotoluene
Concen: 22.742 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBSD02

Tot Ion: 91 Resp: 97258
Ion Ratio Lower Upper
91 100
126 32.7 16.7 50.0

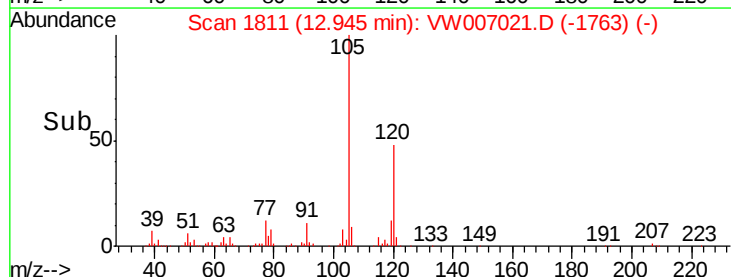
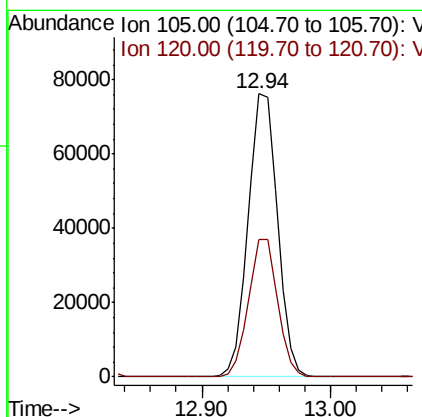
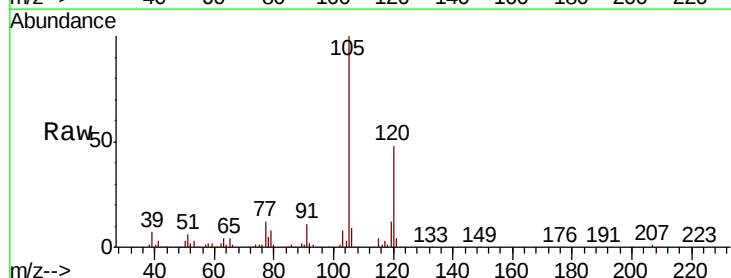
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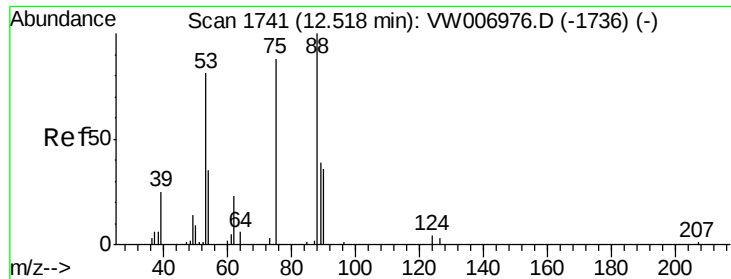
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 22.516 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion: 105 Resp: 119222
Ion Ratio Lower Upper
105 100
120 48.2 23.8 71.2





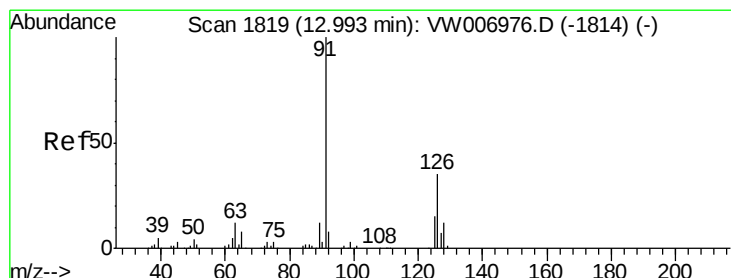
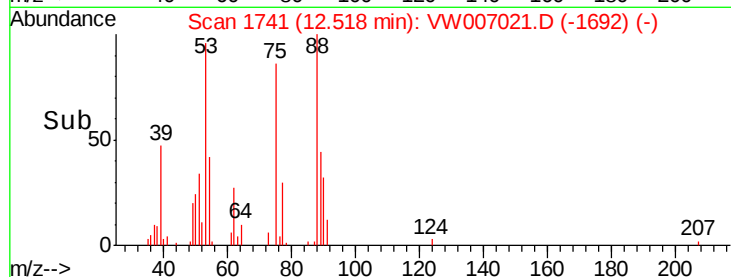
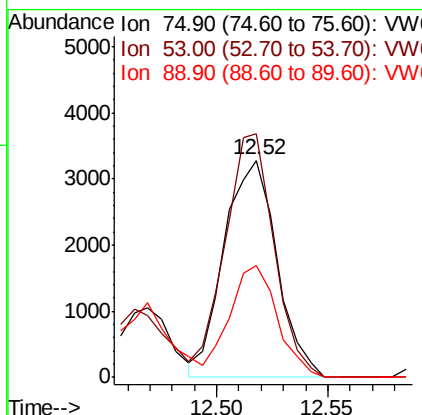
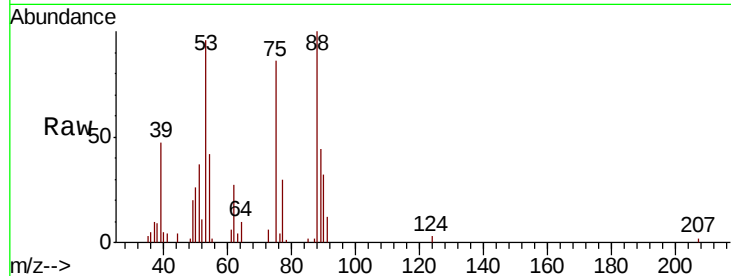
#81
trans-1,4-Dichloro-2-butene
Concen: 21.919 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.7	77.6	116.4
89	46.7	39.3	58.9

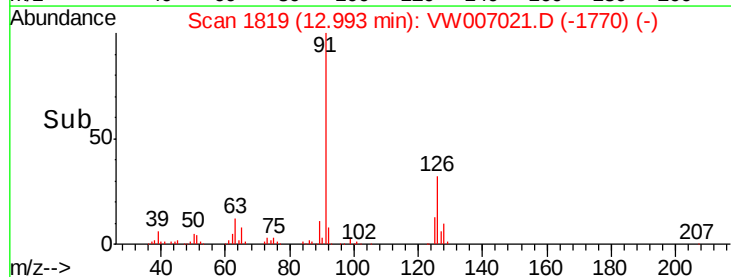
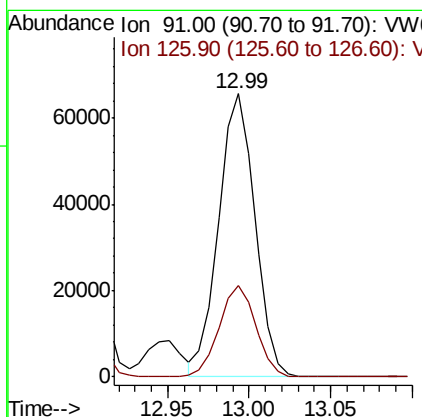
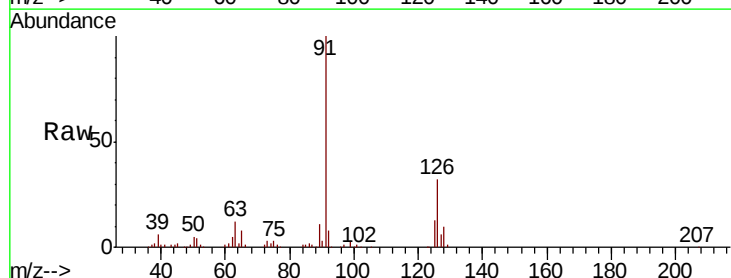
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#82
4-Chlorotoluene
Concen: 22.656 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.6	49.7





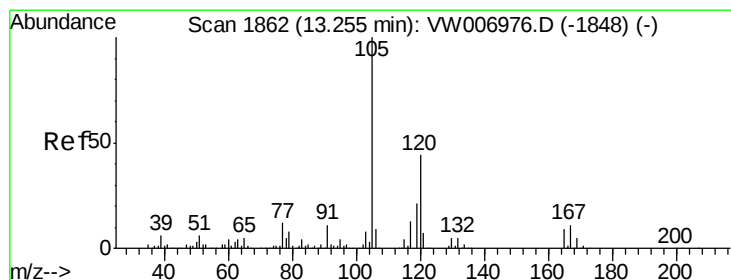
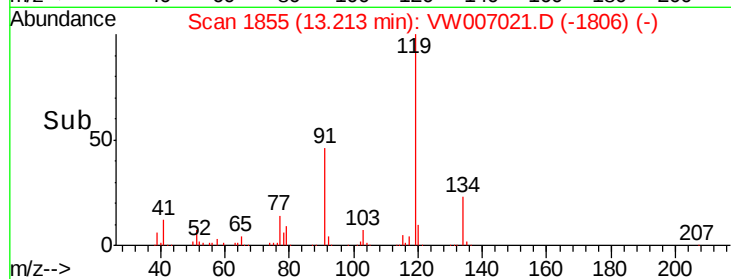
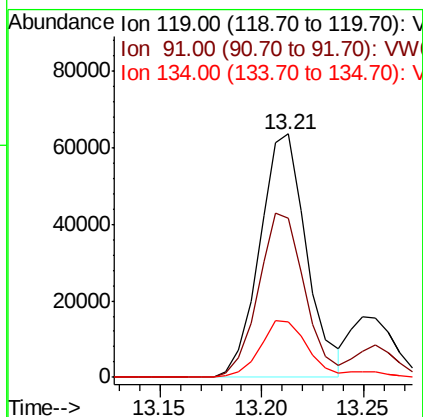
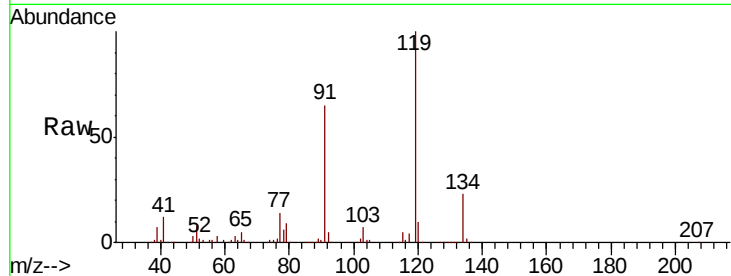
#83
tert-Butylbenzene
Concen: 22.245 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.5	100.5
134	25.2	12.6	37.8

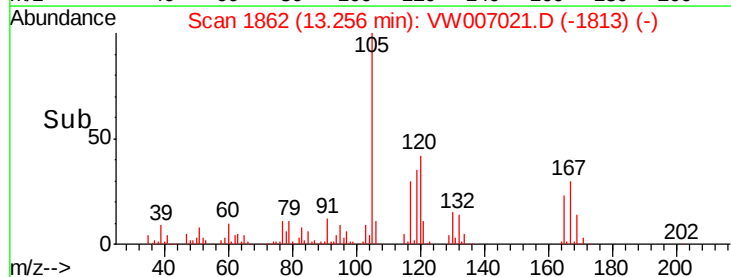
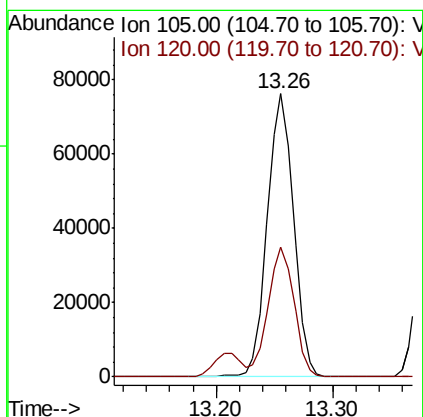
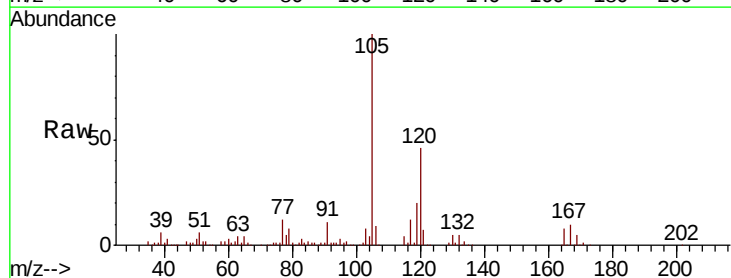
Manual Integrations
APPROVED

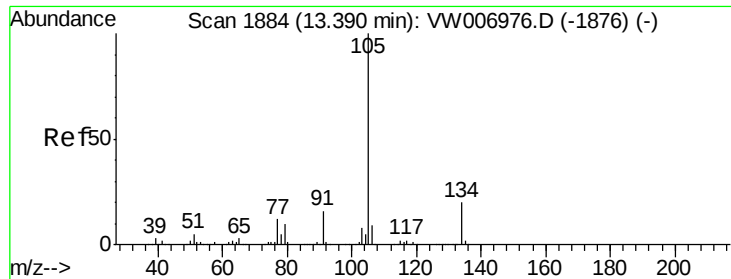
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#84
1,2,4-Trimethylbenzene
Concen: 22.525 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	21.8	65.3





#85

sec-Butylbenzene

Concen: 22.089 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Instrument :

MSVOA_W

ClientSampleId :

VW1122SBSD02

Tot Ion:105 Resp: 143060

Ion Ratio Lower Upper

105 100

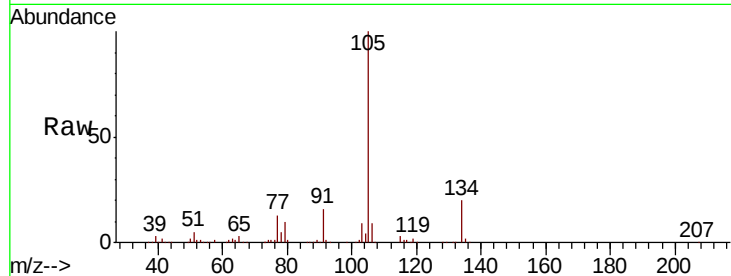
134 20.3 9.8 29.3

Manual Integrations

APPROVED

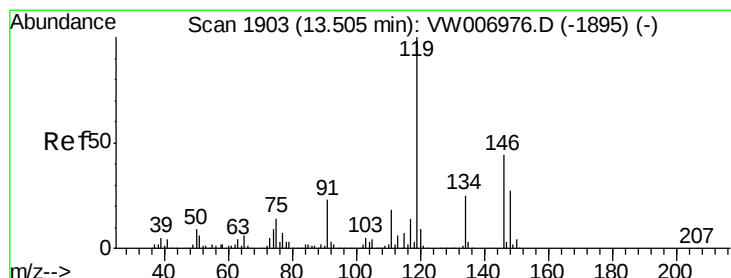
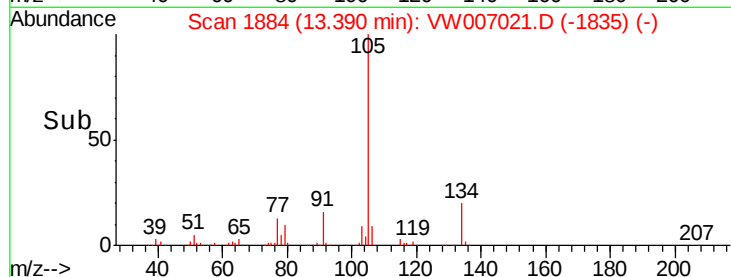
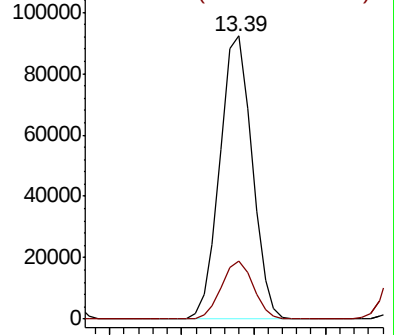
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.172 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

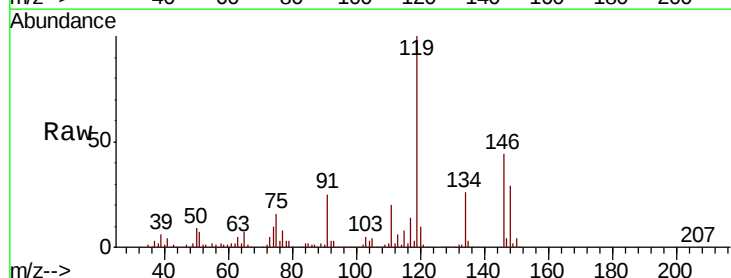
Tgt Ion:119 Resp: 126680

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

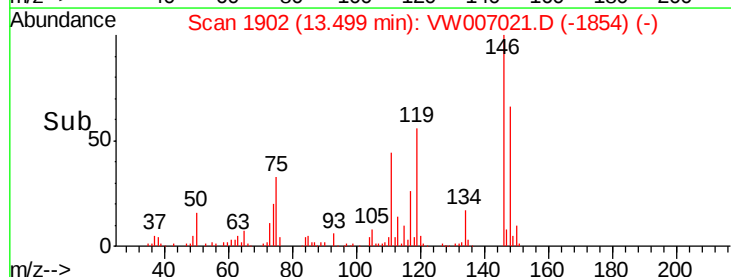
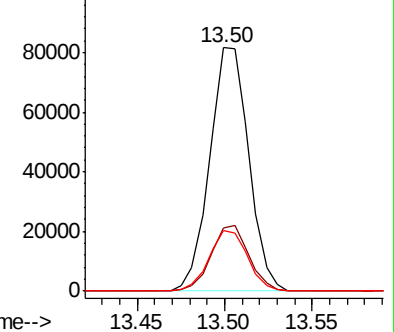
91 24.6 12.2 36.6

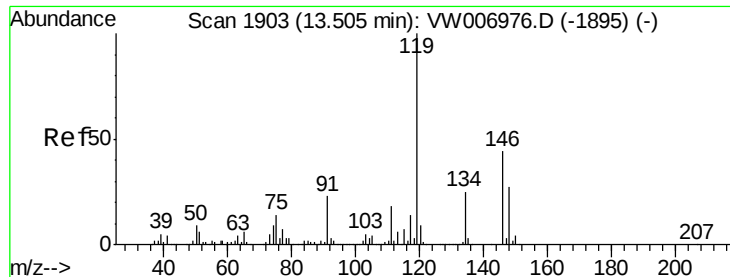


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.904 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

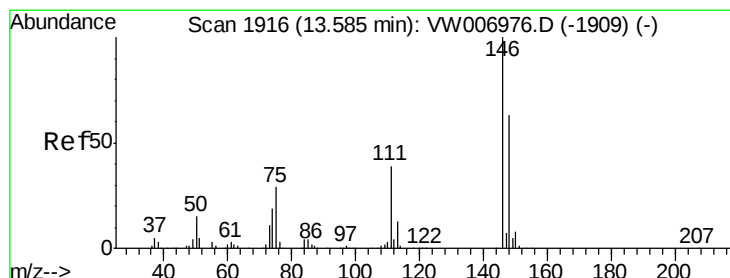
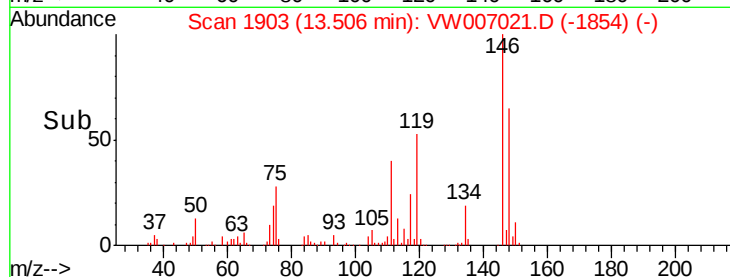
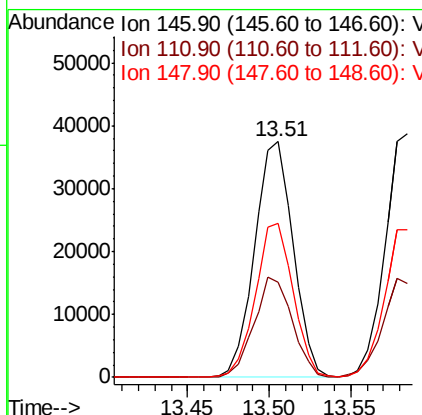
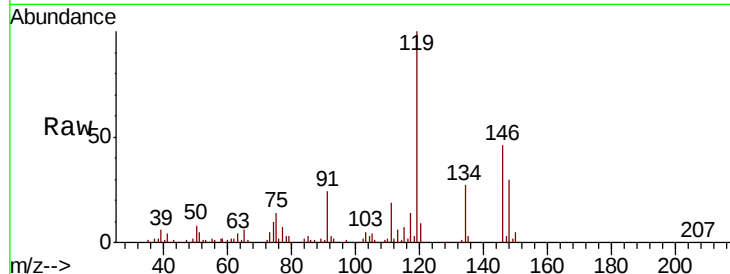
Instrument :
MSVOA_W

ClientSampleId :
VW1122SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.3
148	63.9	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 22.797 ug/l

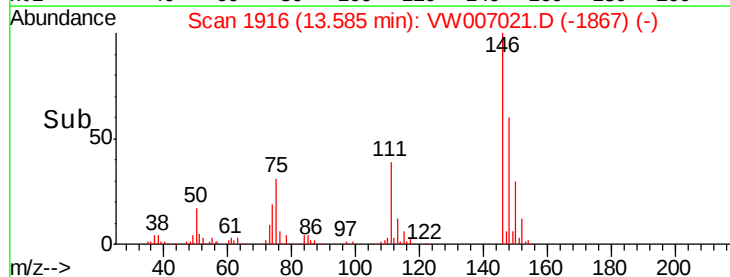
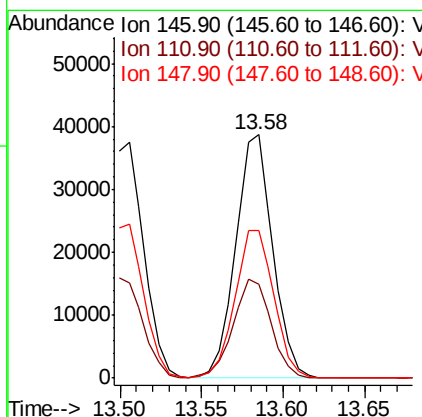
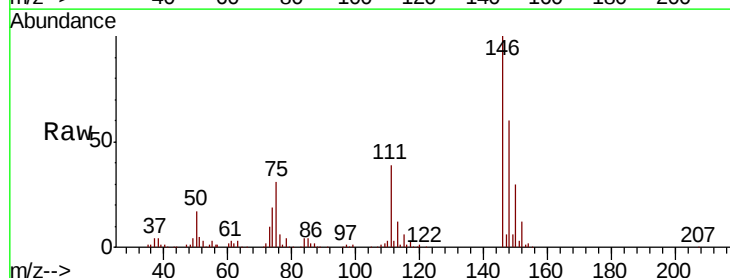
RT: 13.58 min Scan# 1916

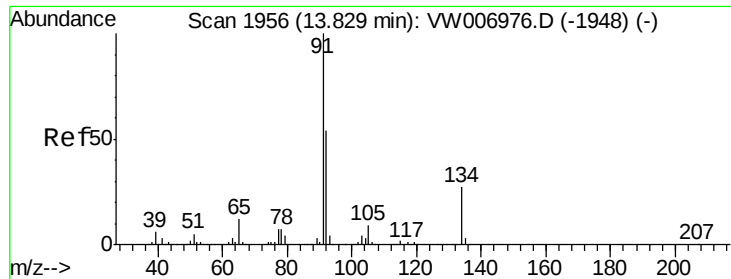
Delta R.T. 0.00 min

Lab File: VW007021.D

Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.8
148	63.9	32.3	96.8





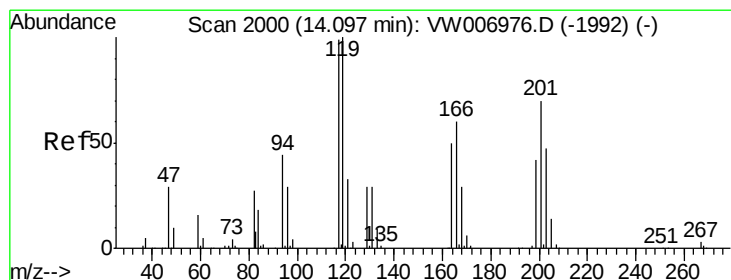
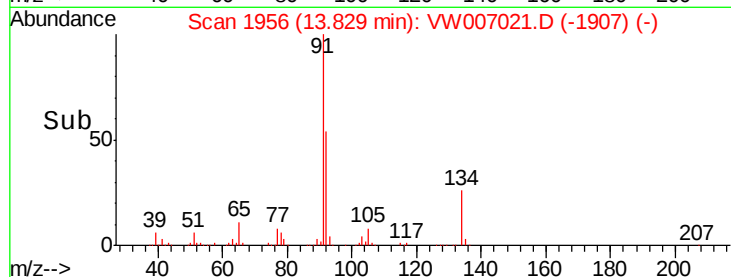
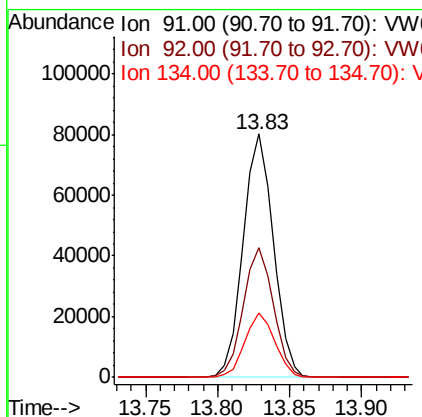
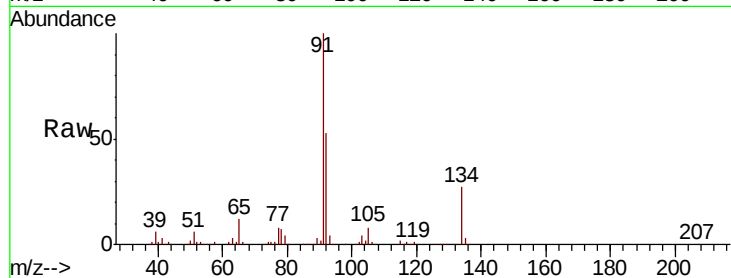
#89
n-Butylbenzene
Concen: 21.705 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	26.2	13.3	39.8

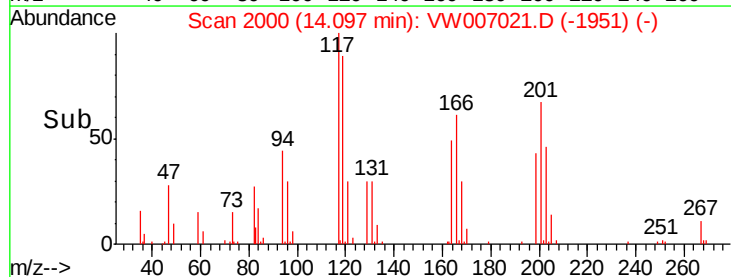
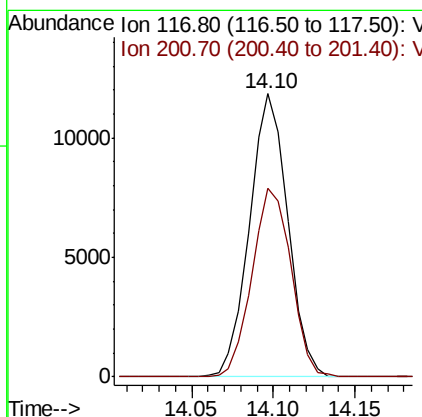
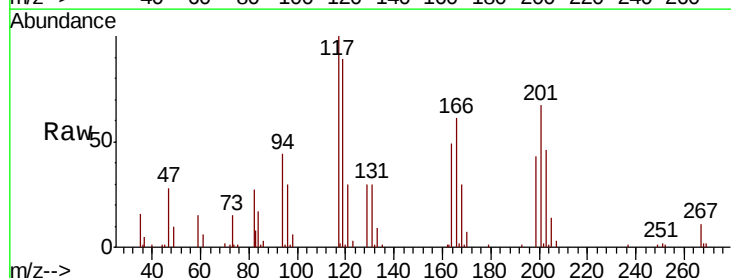
Manual Integrations
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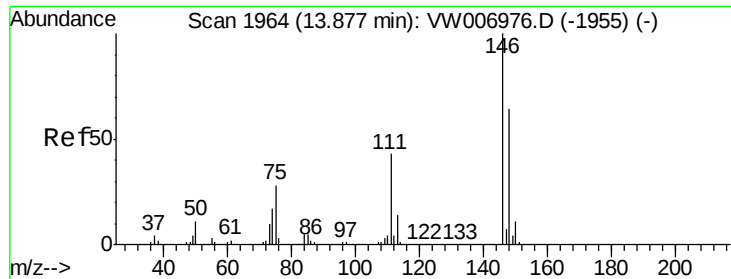
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#90
Hexachloroethane
Concen: 23.147 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.2	35.9	107.5





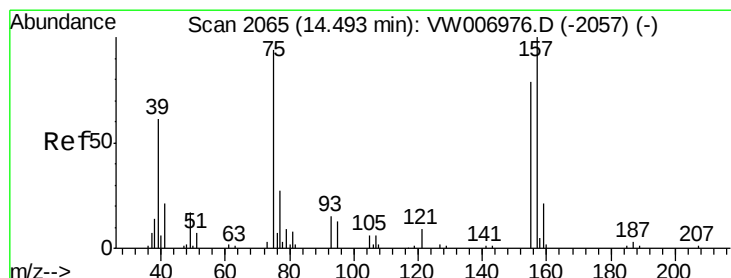
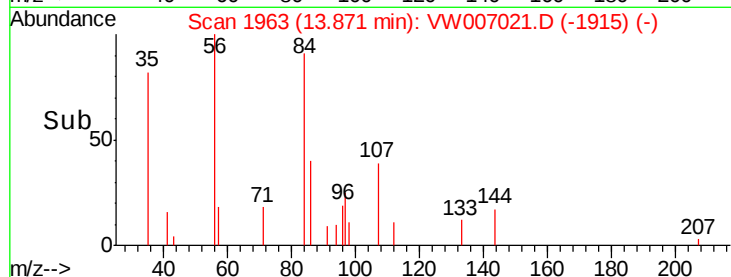
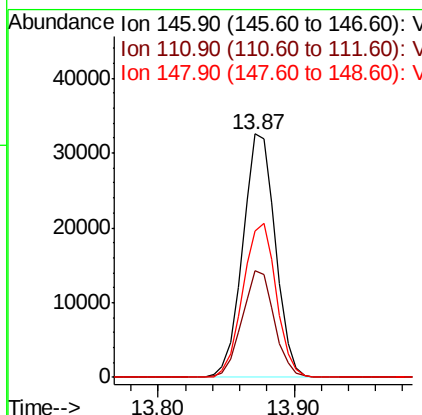
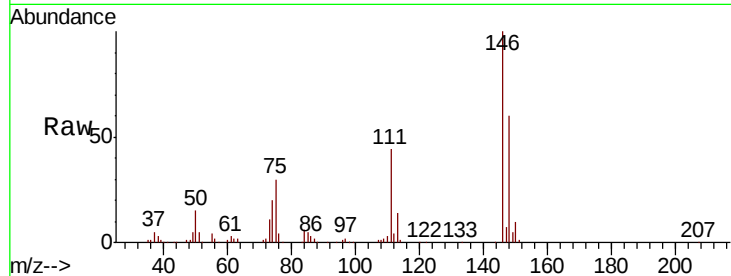
#91
 1,2-Dichlorobenzene
 Concen: 23.184 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1122SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.9	65.7
148	64.6	32.2	96.6

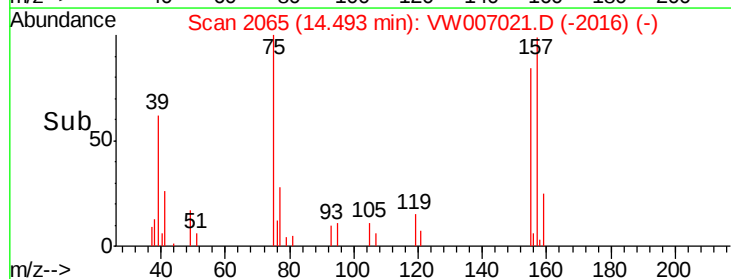
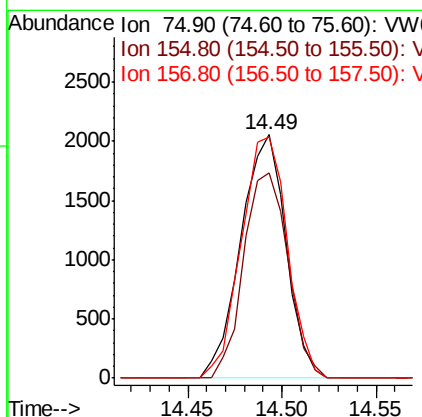
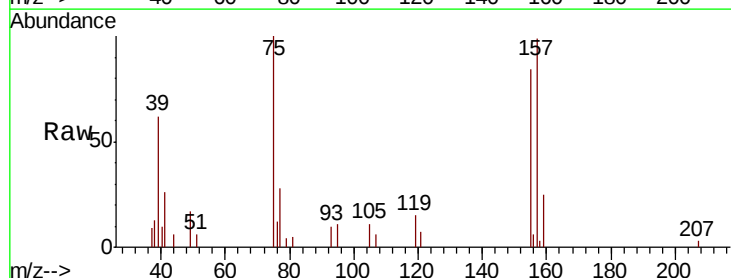
Manual Integrations
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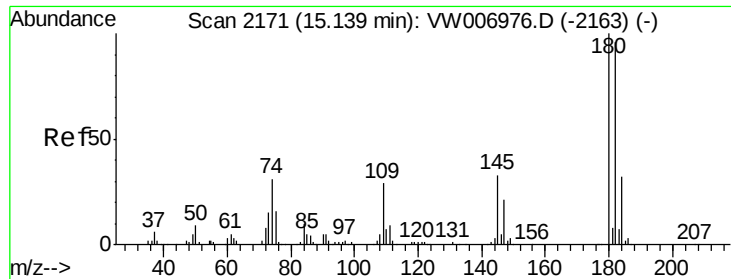
MMDadoda
 11/26/2018 1:04:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.792 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	42.6	127.8
157	100.9	55.0	165.0





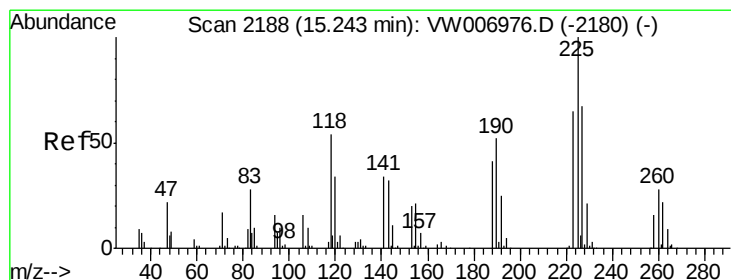
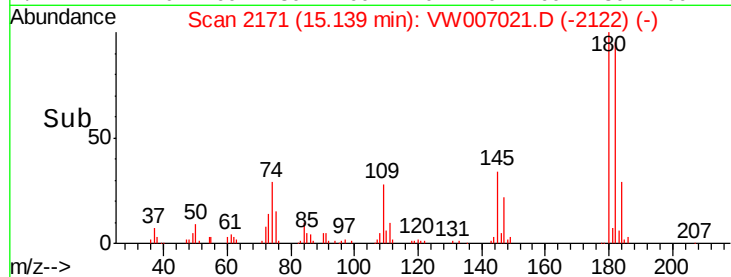
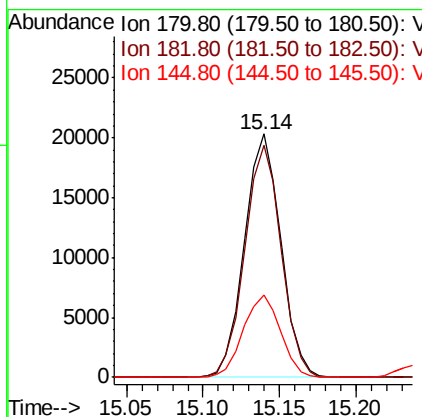
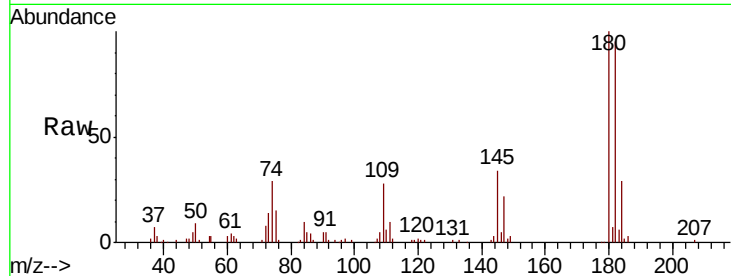
#93
 1,2,4-Trichlorobenzene
 Concen: 21.689 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1122SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.3
145	34.5	16.5	49.5

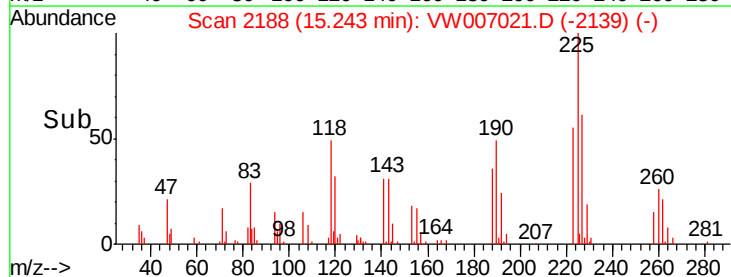
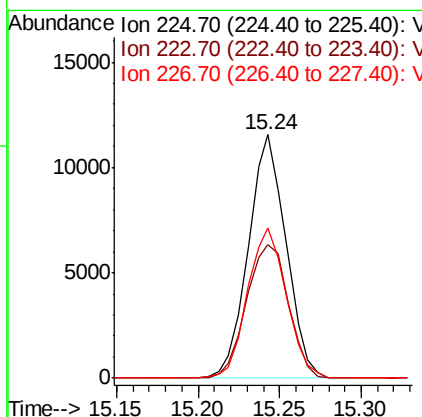
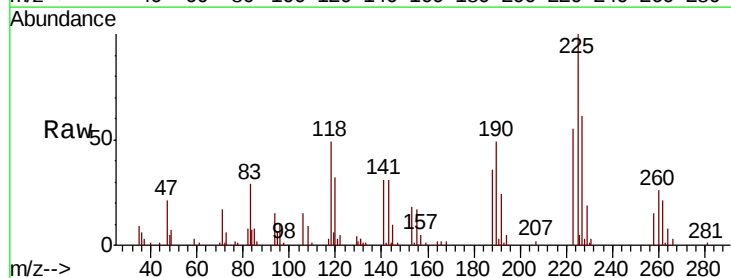
Manual Integrations
 APPROVED

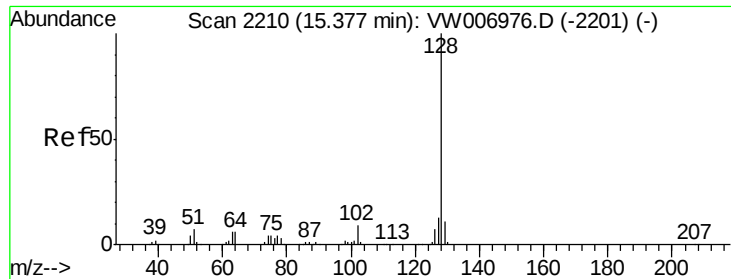
MMDadoda
 11/26/2018 1:04:53 PM



#94
 Hexachlorobutadiene
 Concen: 21.999 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007021.D
 Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	32.4	97.0
227	63.4	31.9	95.5





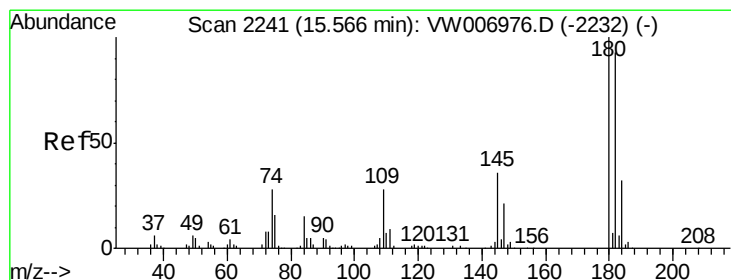
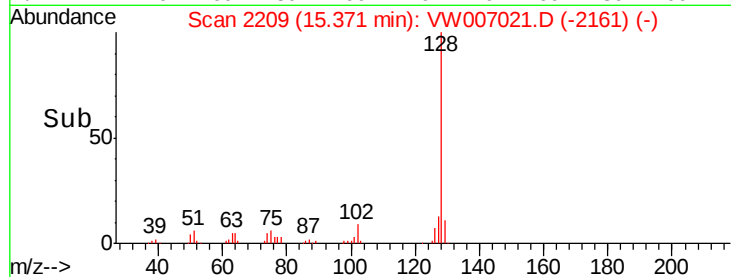
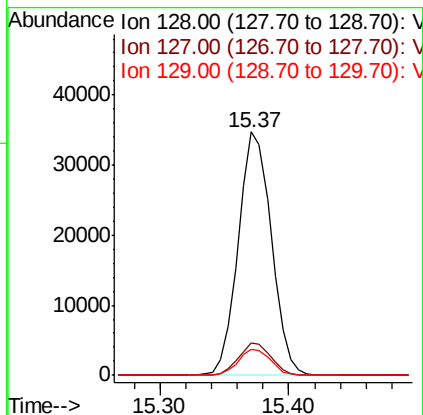
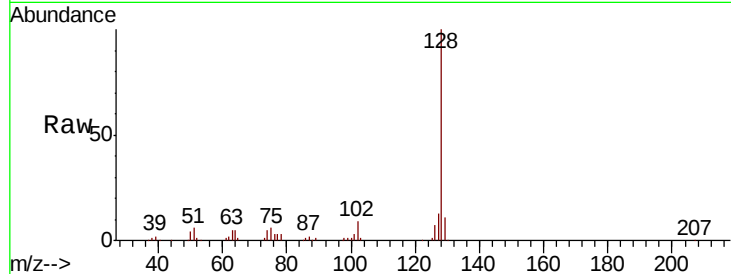
#95
Naphthalene
Concen: 21.945 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Instrument :
MSVOA_W
ClientSampleId :
VW1122SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/26/2018 1:04:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.005 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007021.D
Acq: 22 Nov 2018 02:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.2
145	35.9	18.0	54.0

