

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011846.D
 Acq On : 12 Aug 2019 12:41
 Operator : SY/VA
 Sample : VW0812SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:43:40 PM

Quant Time: Aug 13 08:13:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	211929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144008	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135388	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	
35) Dibromofluoromethane	7.88	113	106873	56.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.08%	
50) Toluene-d8	10.32	98	435078	56.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.44%	
62) 4-Bromofluorobenzene	12.62	95	152721	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25830	21.869	ug/l	83
3) Chloromethane	2.21	50	42581	20.791	ug/l	98
4) Vinyl Chloride	2.36	62	53365	21.643	ug/l	99
5) Bromomethane	2.76	94	23706	17.369	ug/l	97
6) Chloroethane	2.91	64	28416	20.175	ug/l	96
7) Trichlorofluoromethane	3.25	101	27323	24.795	ug/l	100
8) Diethyl Ether	3.68	74	26173	20.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46202	22.102	ug/l	100
10) Methyl Iodide	4.27	142	60480	20.473	ug/l	98
11) Tert butyl alcohol	5.18	59	17379	84.999	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	46427	21.035	ug/l	98
13) Acrolein	3.89	56	14406	82.502	ug/l	97
14) Allyl chloride	4.66	41	97997	20.875	ug/l	98
15) Acrylonitrile	5.37	53	67093	107.573	ug/l	99
16) Acetone	4.12	43	68208	88.112	ug/l	99
17) Carbon Disulfide	4.38	76	137600	19.919	ug/l	100
18) Methyl Acetate	4.67	43	39243	22.566	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	76048	21.713	ug/l	94
20) Methylene Chloride	4.91	84	52727	19.750	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	50750	21.327	ug/l	98
22) Diisopropyl ether	6.31	45	186954	21.123	ug/l	99
23) Vinyl Acetate	6.25	43	586587	105.476	ug/l	100
24) 1,1-Dichloroethane	6.21	63	100651	21.234	ug/l	99
25) 2-Butanone	7.17	43	100421	99.139	ug/l	99
26) 2,2-Dichloropropane	7.17	77	57335	19.668	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	53973	20.609	ug/l	99
28) Bromochloromethane	7.51	49	47465	22.560	ug/l #	100
29) Tetrahydrofuran	7.53	42	63899	110.361	ug/l	98
30) Chloroform	7.67	83	93050	21.278	ug/l	97
31) Cyclohexane	7.95	56	97801	21.494	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	74148	22.264	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77806	22.207	ug/l	99
37) Ethyl Acetate	7.25	43	44001	21.829	ug/l	98
38) Carbon Tetrachloride	8.07	117	66872	22.296	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86037	22.302	ug/l	96
40) Benzene	8.32	78	212084	21.611	ug/l	98
41) Methacrylonitrile	7.48	41	25873	21.472	ug/l	99
42) 1,2-Dichloroethane	8.40	62	68120	22.170	ug/l	99
43) Isopropyl Acetate	8.42	43	81563	22.002	ug/l	100
44) Trichloroethene	9.09	130	51592	21.873	ug/l	98
45) 1,2-Dichloropropane	9.37	63	57197	21.782	ug/l	99
46) Dibromomethane	9.46	93	25895	21.606	ug/l	98
47) Bromodichloromethane	9.65	83	67850	21.582	ug/l	100
48) Methyl methacrylate	9.43	41	37798	21.226	ug/l	98
49) 1,4-Dioxane	9.46	88	7191	414.387	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	211802	109.843	ug/l	100
52) Toluene	10.39	92	127576	21.526	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	69569	21.184	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	82363	21.093	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37306	21.939	ug/l	98
56) Ethyl methacrylate	10.65	69	52942	21.276	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69896	21.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	134458	119.010	ug/l	100
59) 2-Hexanone	10.97	43	147699	108.486	ug/l	100
60) Dibromochloromethane	11.13	129	40250	21.324	ug/l	99
61) 1,2-Dibromoethane	11.24	107	34637	21.524	ug/l	100
64) Tetrachloroethene	10.86	164	42186	22.097	ug/l	98
65) Chlorobenzene	11.66	112	126740	21.500	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	44294	21.572	ug/l	99
67) Ethyl Benzene	11.73	91	244277	21.758	ug/l	100
68) m/p-Xylenes	11.84	106	178185	43.642	ug/l	99
69) o-Xylene	12.16	106	81338	21.438	ug/l	99
70) Styrene	12.18	104	140889	21.477	ug/l	100
71) Bromoform	12.35	173	22602	21.589	ug/l	99
73) Isopropylbenzene	12.46	105	230680	21.472	ug/l	99
74) N-amyl acetate	12.27	43	71620	21.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44575	22.058	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37007m	24.286	ug/l	
77) Bromobenzene	12.74	156	51098	21.519	ug/l	99
78) n-propylbenzene	12.80	91	285672	21.849	ug/l	99
79) 2-Chlorotoluene	12.89	91	159481	21.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	197225	21.900	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14369	21.733	ug/l	98
82) 4-Chlorotoluene	12.99	91	171196	21.662	ug/l	100
83) tert-Butylbenzene	13.21	119	164333	21.821	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	195164	21.513	ug/l	98
85) sec-Butylbenzene	13.38	105	236466	22.006	ug/l	100
86) p-Isopropyltoluene	13.50	119	211025	21.644	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	99370	21.342	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	98830	21.338	ug/l	99
89) n-Butylbenzene	13.82	91	209684	21.551	ug/l	99
90) Hexachloroethane	14.09	117	36601	21.230	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	88472	21.484	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7636	22.159	ug/l	98

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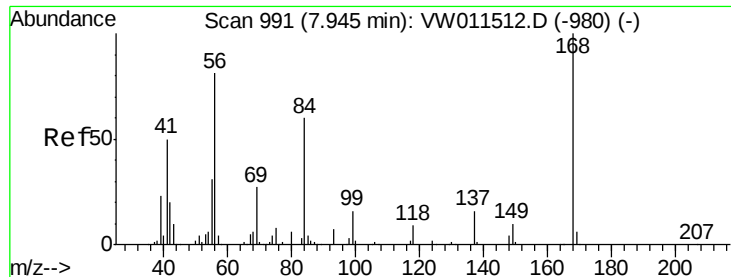
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59598	20.535	ug/l	99
94) Hexachlorobutadiene	15.24	225	39513	21.831	ug/l	97
95) Naphthalene	15.36	128	105935	19.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	52302	20.559	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion:168 Resp: 211929

Ion Ratio Lower Upper

168 100

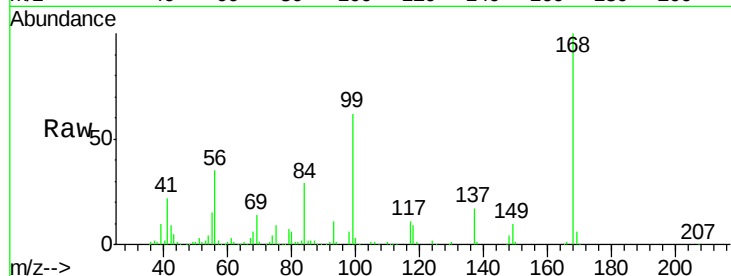
99 62.0 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

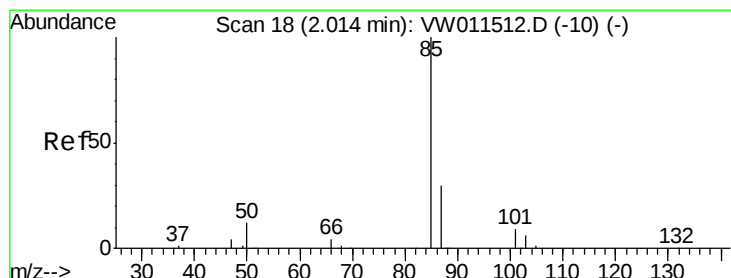
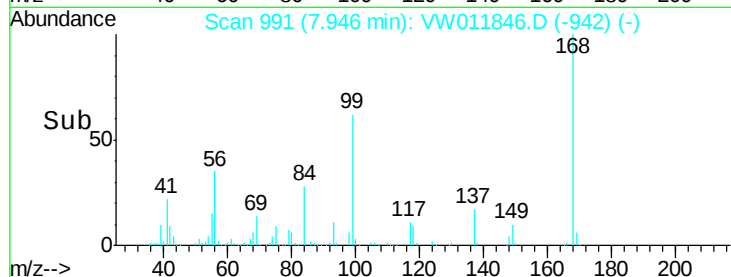
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.869 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011846.D

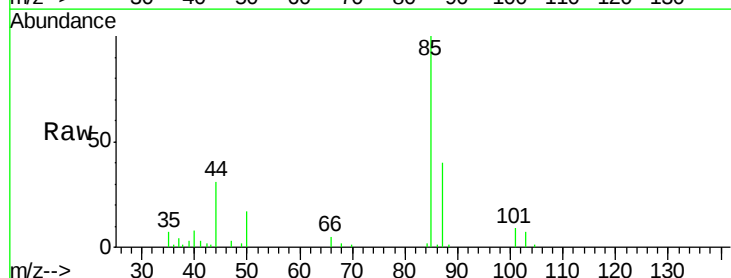
Acq: 12 Aug 2019 12:41

Tgt Ion: 85 Resp: 25830

Ion Ratio Lower Upper

85 100

87 39.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

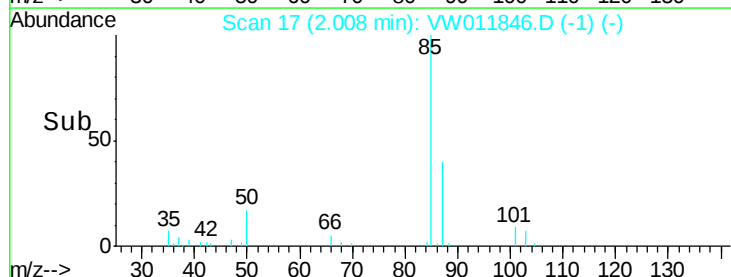
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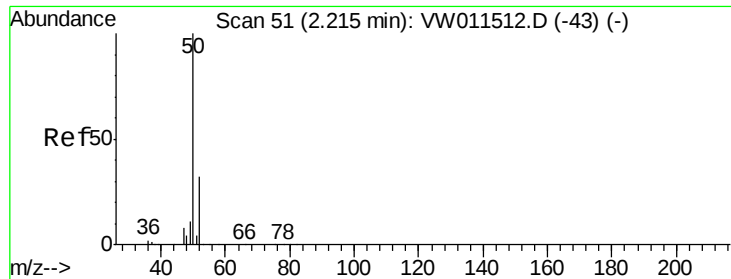
4000

2000

0

Time-->





#3

Chloromethane

Concen: 20.791 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion: 50 Resp: 42581

Ion Ratio Lower Upper

50 100

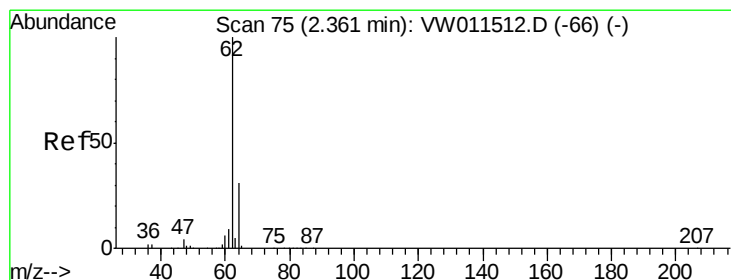
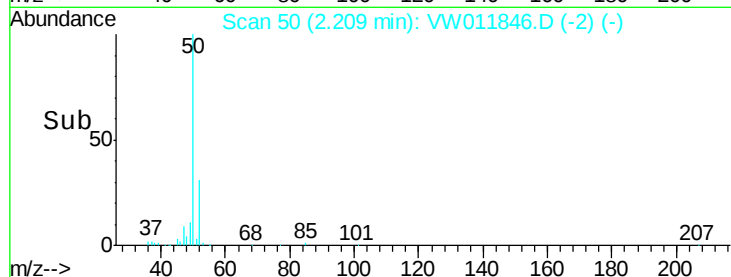
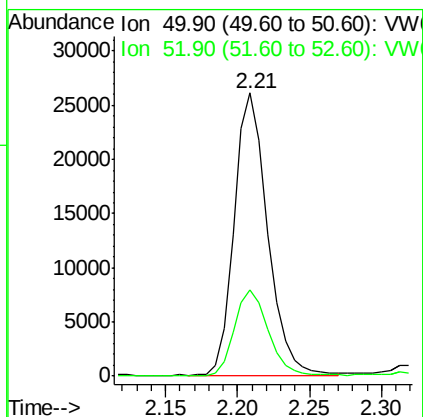
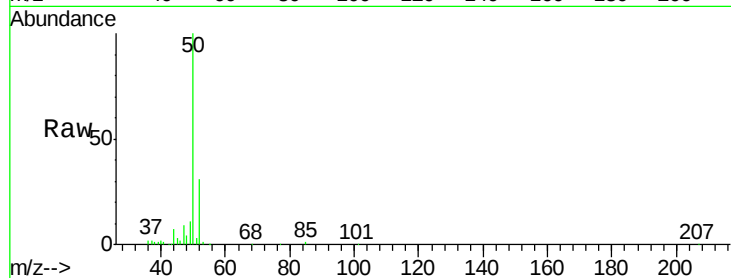
52 30.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.643 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011846.D

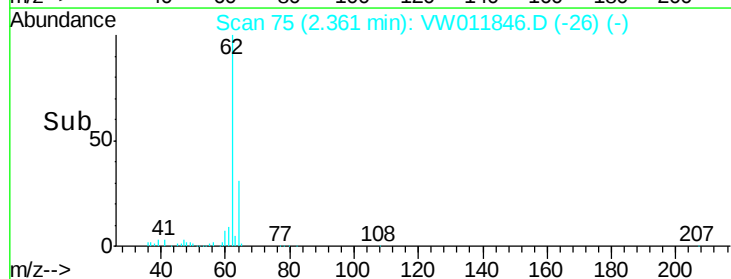
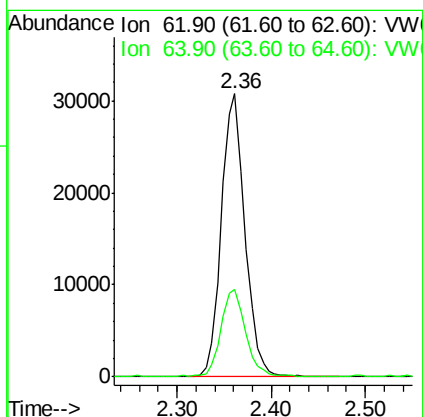
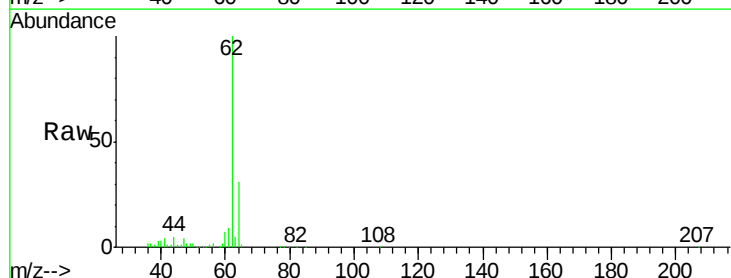
Acq: 12 Aug 2019 12:41

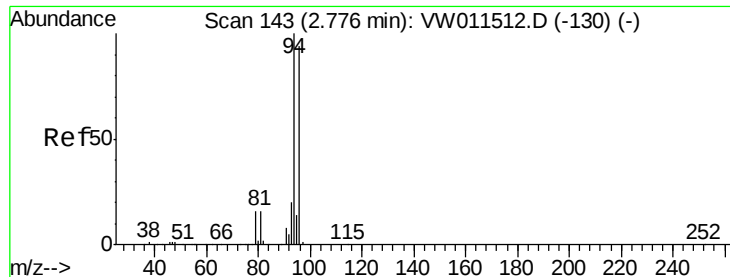
Tgt Ion: 62 Resp: 53365

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.4





#5

Bromomethane

Concen: 17.369 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion: 94 Resp: 23706

Ion Ratio Lower Upper

94 100

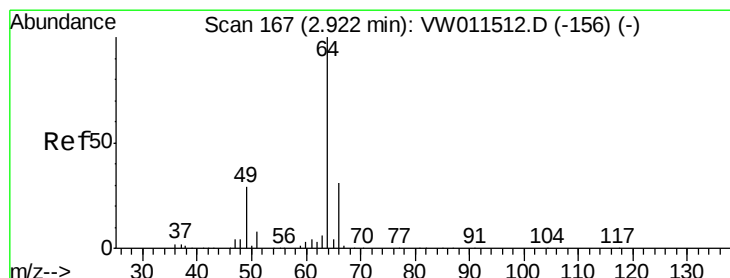
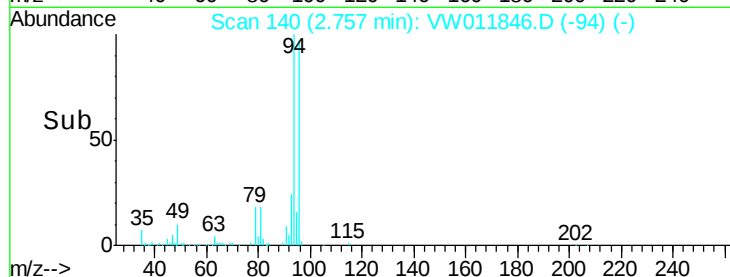
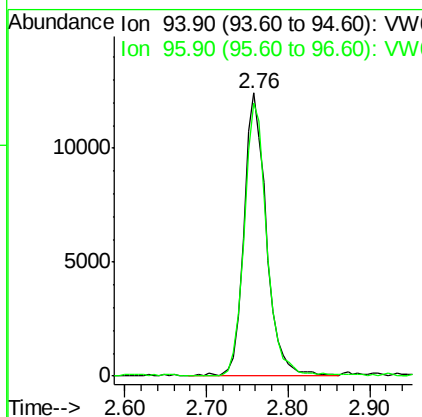
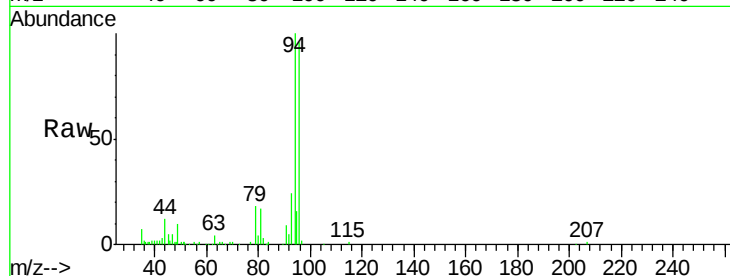
96 96.3 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 20.175 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011846.D

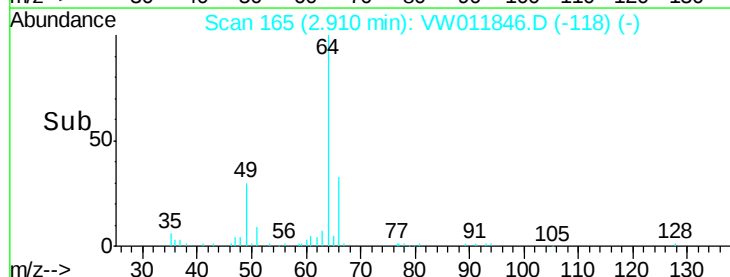
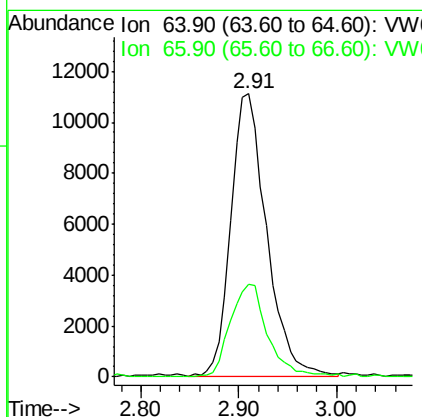
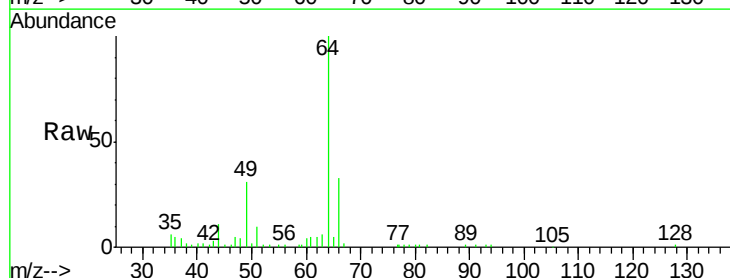
Acq: 12 Aug 2019 12:41

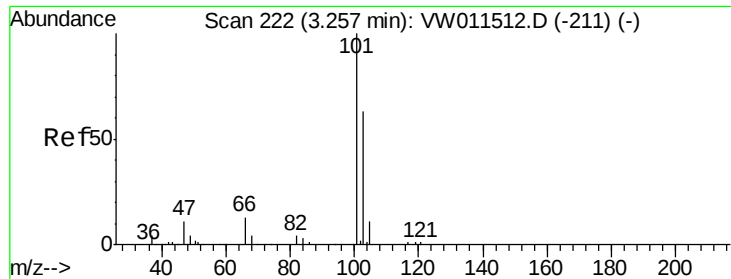
Tgt Ion: 64 Resp: 28416

Ion Ratio Lower Upper

64 100

66 32.9 24.6 36.8





#7

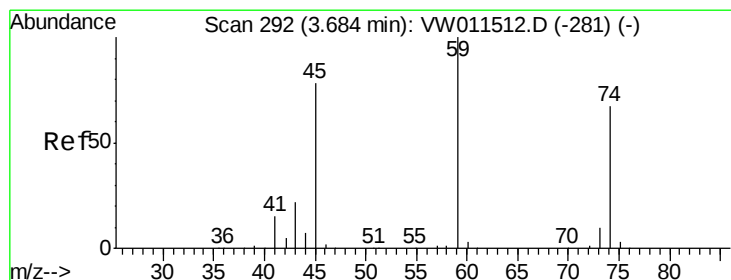
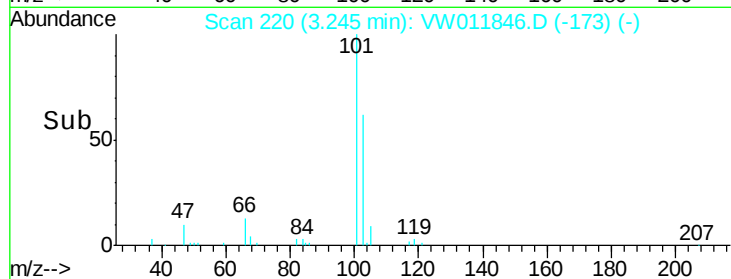
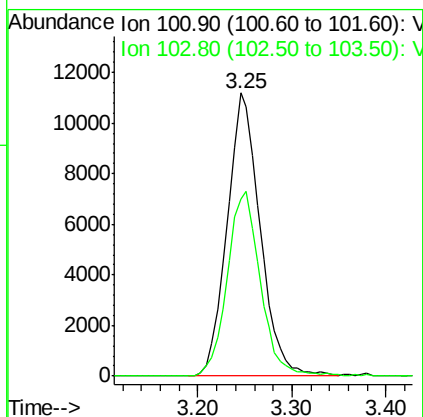
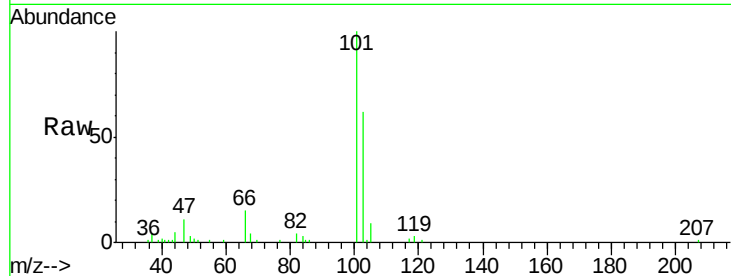
Trichlorofluoromethane
 Concen: 24.795 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
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 ClientSampleId :
 VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	50.2	75.4

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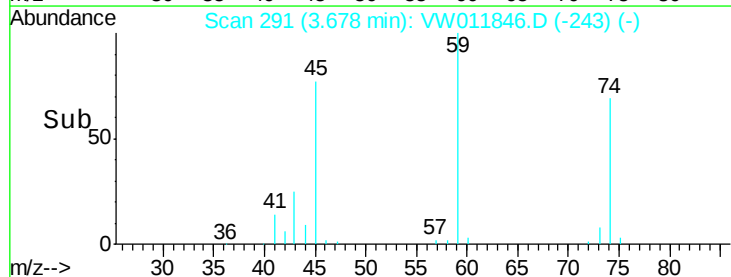
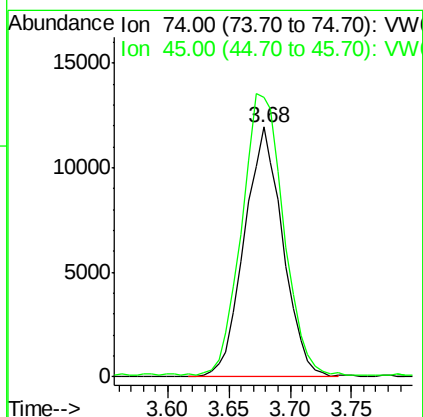
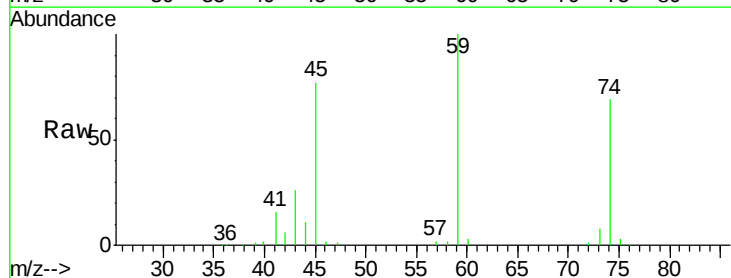
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 8/13/2019 2:43:40 PM

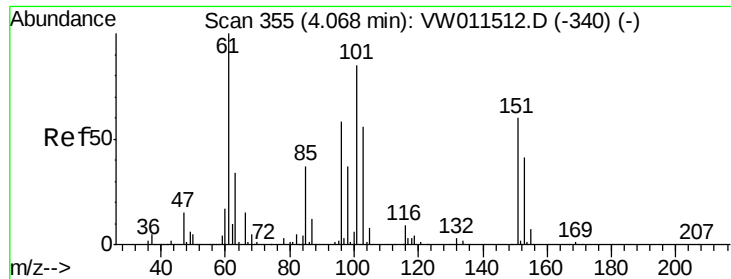


#8

Diethyl Ether
 Concen: 20.948 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.9	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.102 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

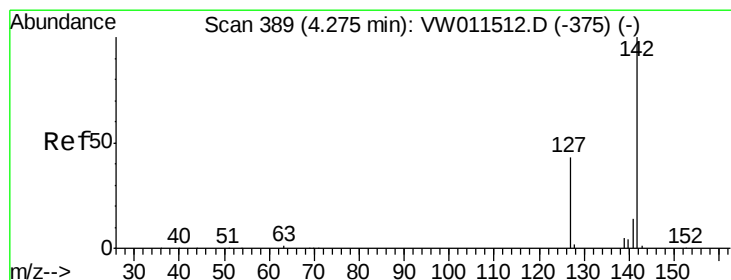
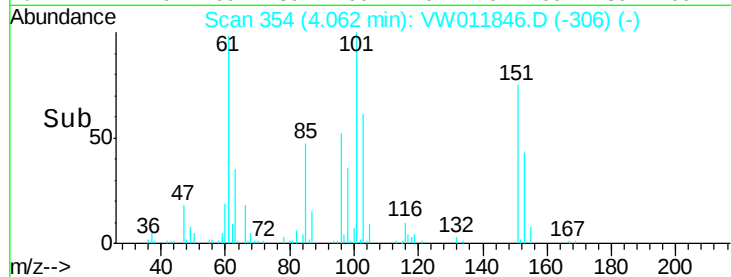
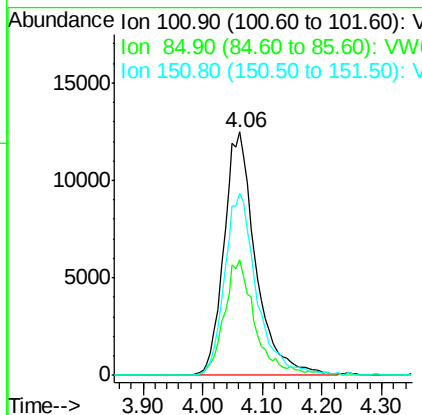
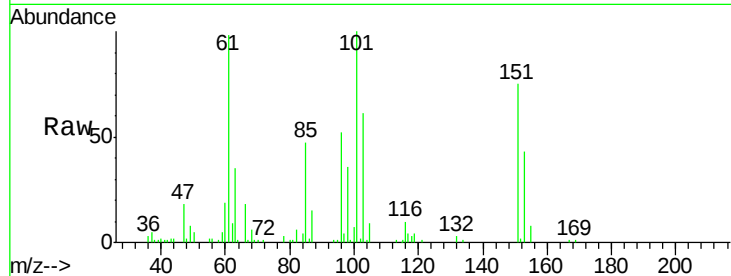
ClientSampleId :

VW0812SBSD02

Tot Ion:	101	Resp:	46202
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.6	54.8
151	74.8	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.473 ug/l

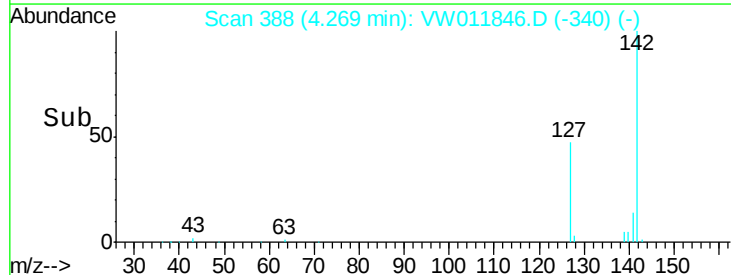
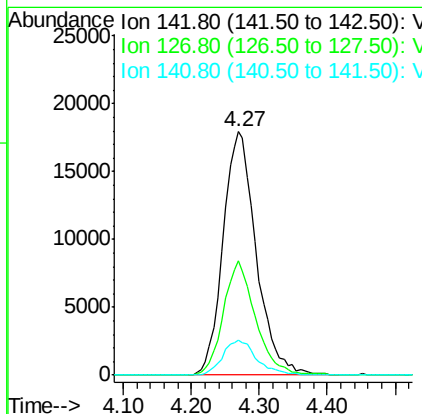
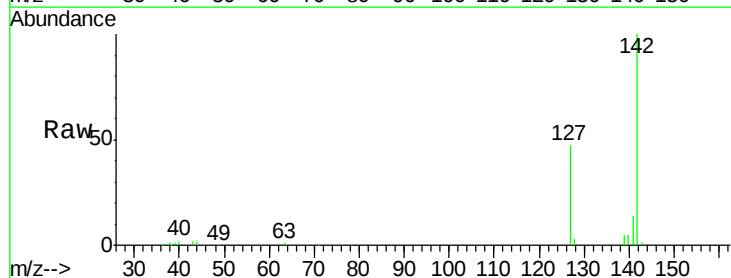
RT: 4.27 min Scan# 388

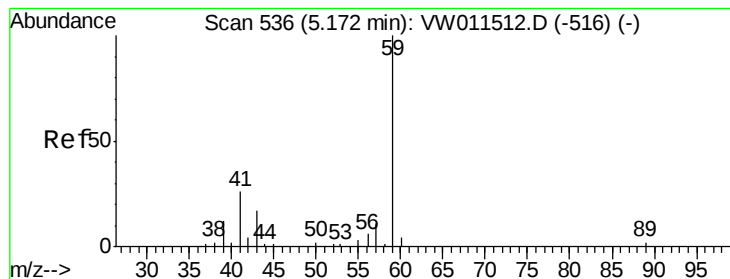
Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion:	142	Resp:	60480
Ion Ratio	Lower	Upper	
142	100		
127	45.7	35.0	52.6
141	14.5	11.9	17.9





#11

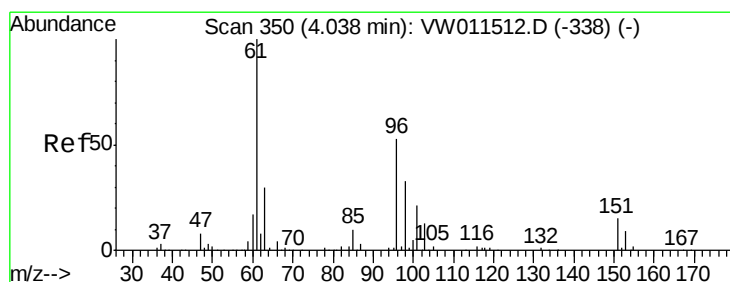
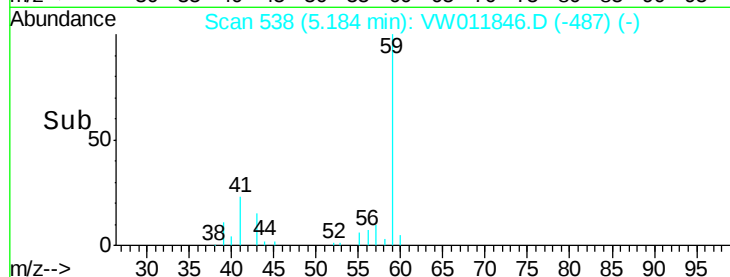
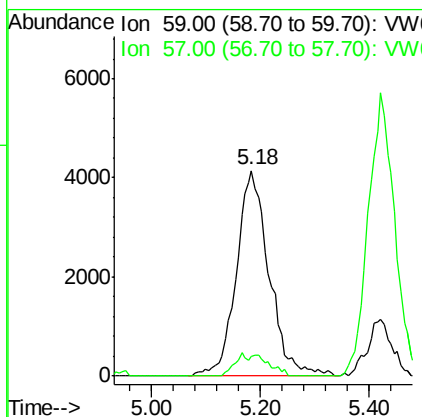
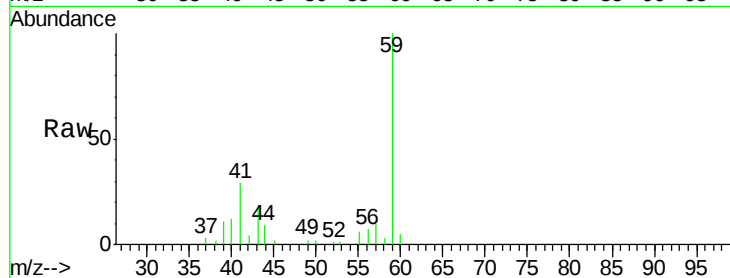
Tert butyl alcohol
Concen: 84.999 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	17379		
57	4.6		8.5	12.7#

Manual Integrations
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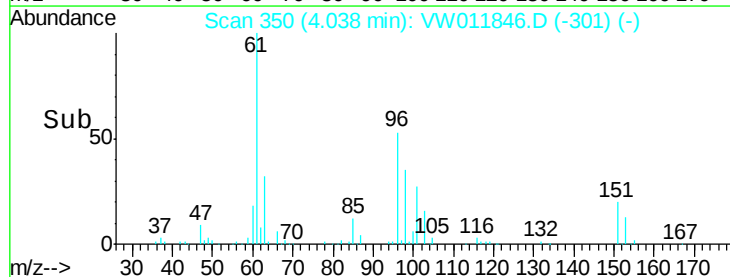
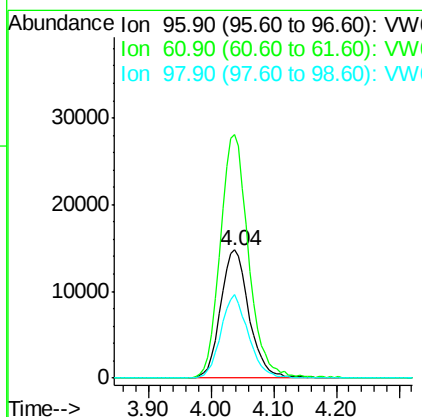
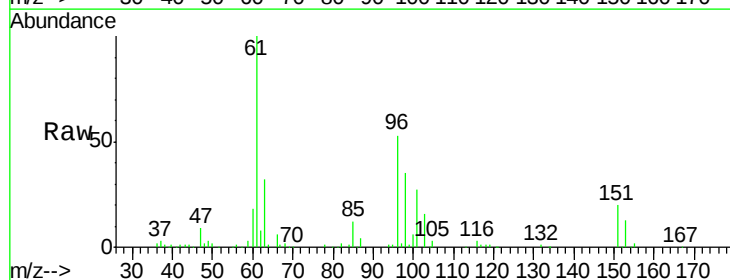
MMDadoda
8/13/2019 2:43:40 PM

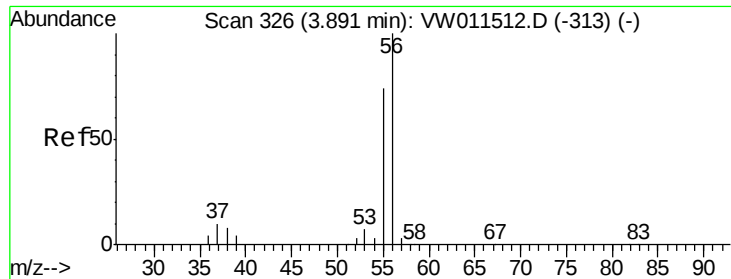


#12

1,1-Dichloroethene
Concen: 21.035 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	46427		
61	189.5		149.9	224.9
98	65.5		49.1	73.7





#13

Acrolein

Concen: 82.502 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion: 56 Resp: 14406

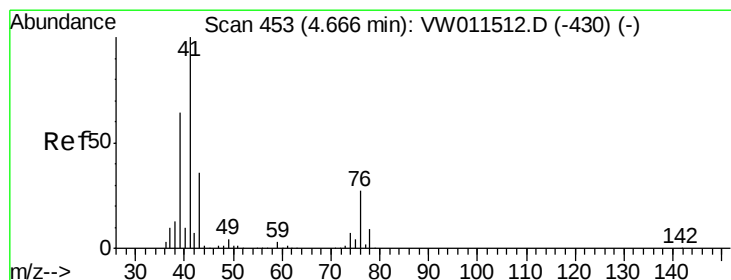
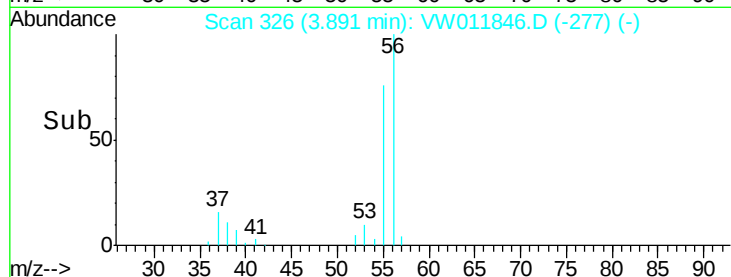
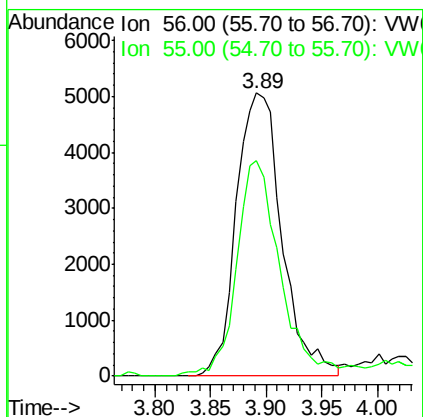
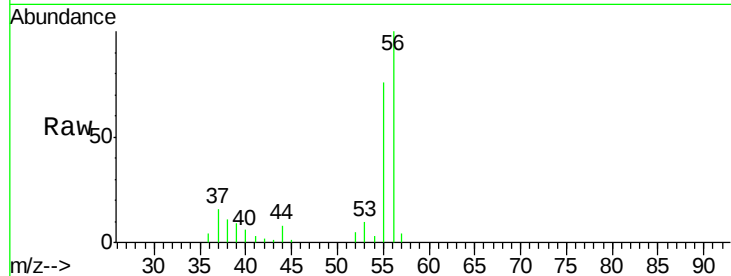
Ion Ratio Lower Upper

56 100

55 72.3 56.0 84.0

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 20.875 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

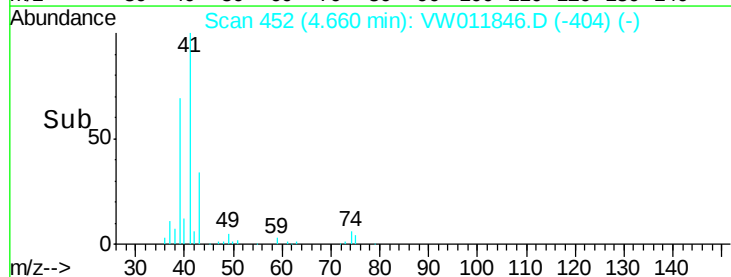
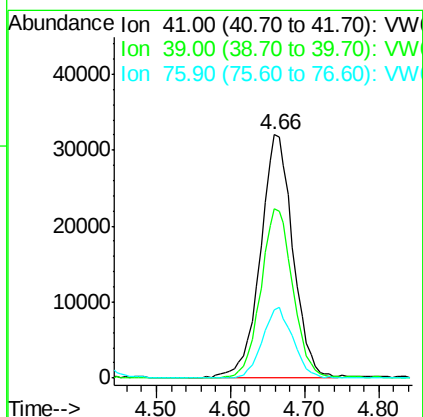
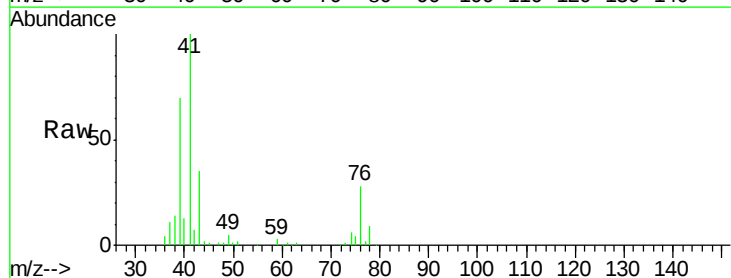
Tgt Ion: 41 Resp: 97997

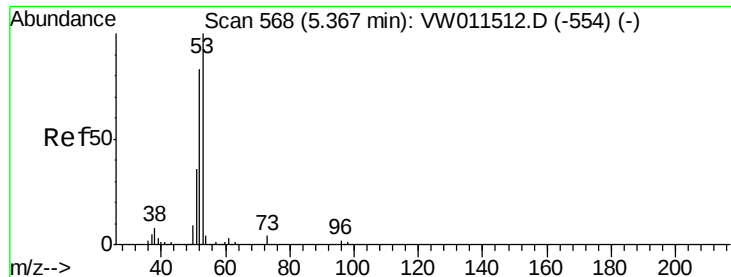
Ion Ratio Lower Upper

41 100

39 68.3 52.6 78.8

76 27.2 22.0 33.0





#15

Acrylonitrile

Concen: 107.573 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

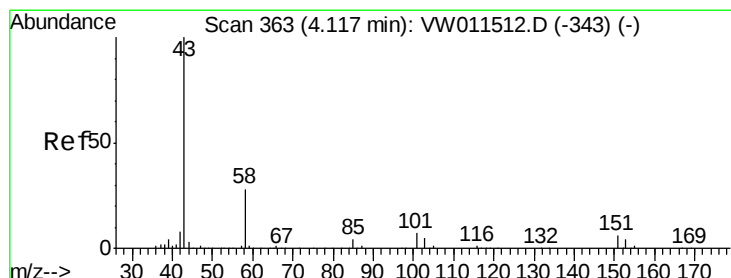
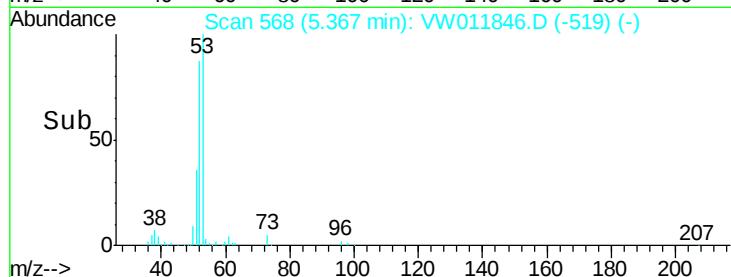
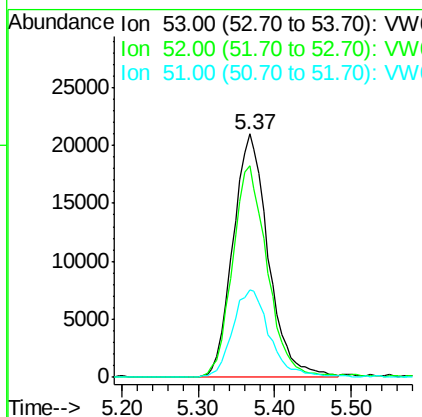
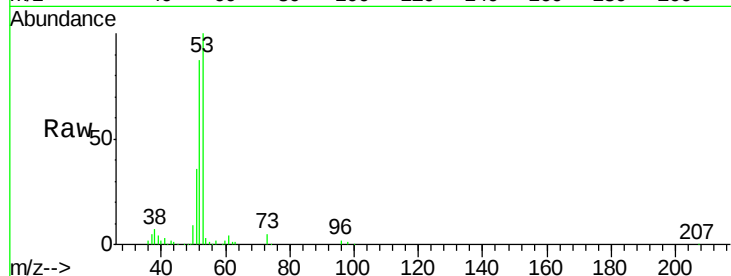
ClientSampleId :

VW0812SBSD02

Tot Ion:	53	Resp:	67093
Ion	Ratio	Lower	Upper
53	100		
52	85.2	67.2	100.8
51	37.9	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 88.112 ug/l

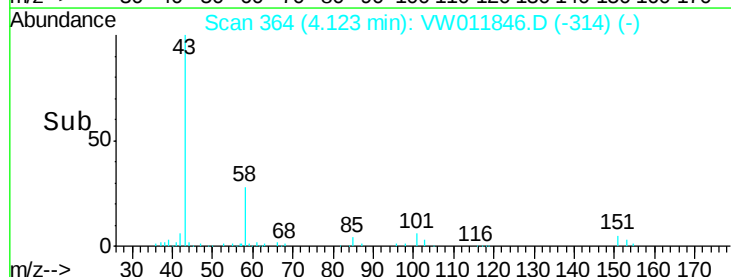
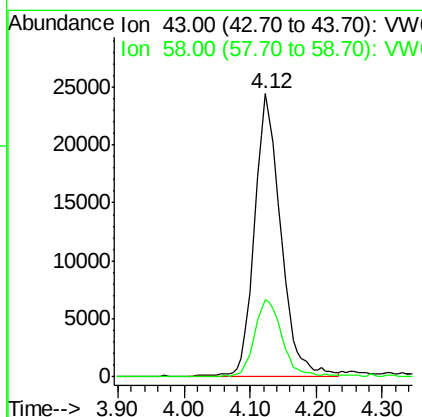
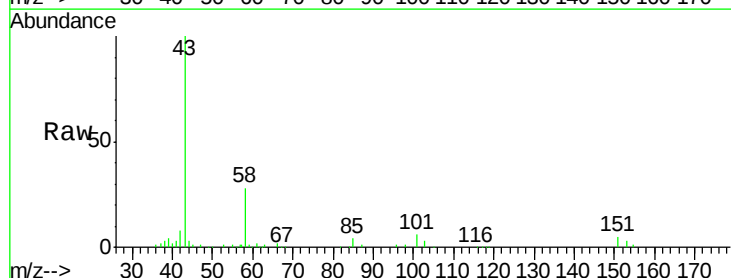
RT: 4.12 min Scan# 364

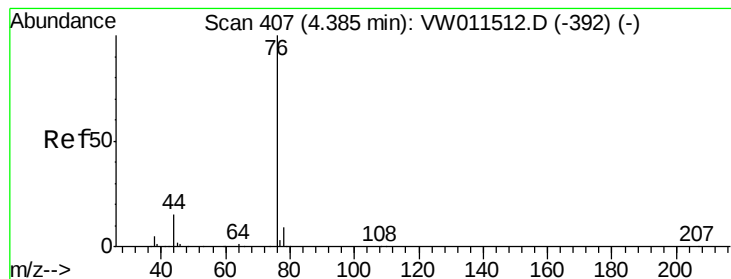
Delta R.T. 0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion:	43	Resp:	68208
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.3	33.5





#17

Carbon Disulfide

Concen: 19.919 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tot Ion: 76 Resp: 137600

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

Instrument :

MSVOA_W

ClientSampleId :

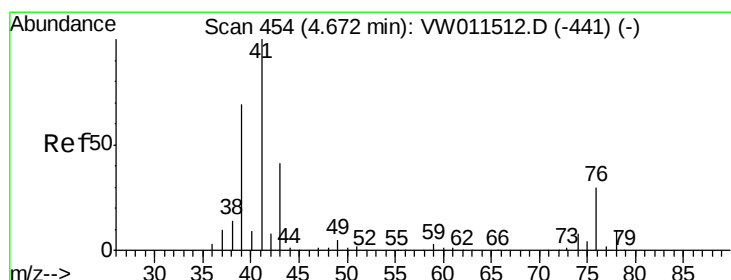
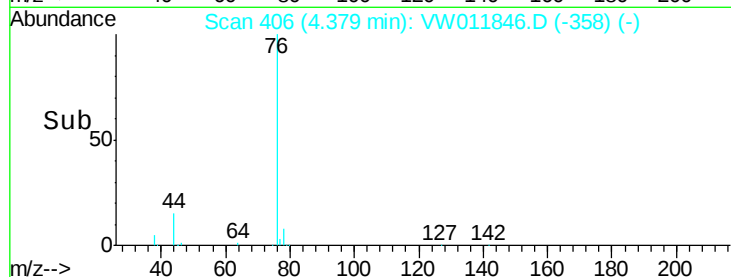
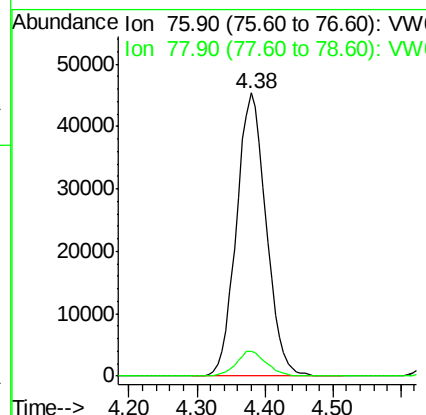
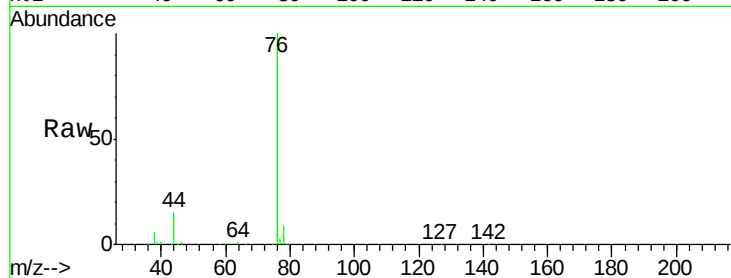
VW0812SBSD02

Manual Integrations

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#18

Methyl Acetate

Concen: 22.566 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW011846.D

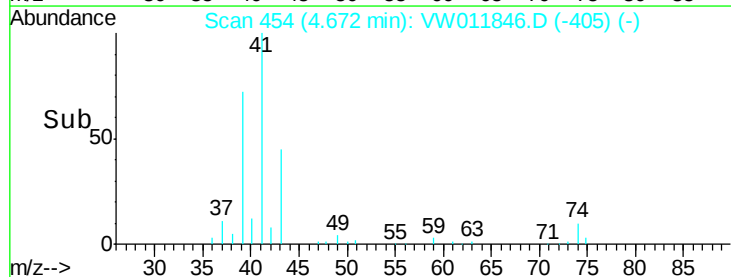
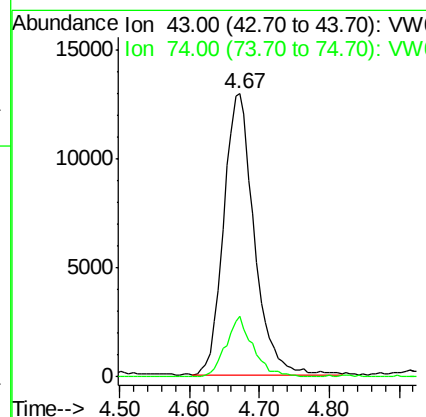
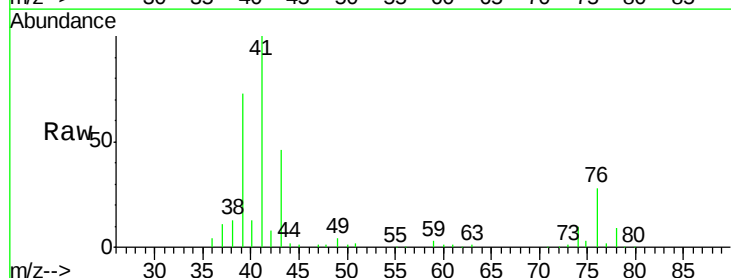
Acq: 12 Aug 2019 12:41

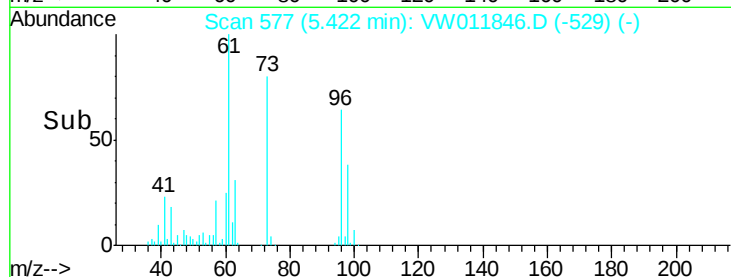
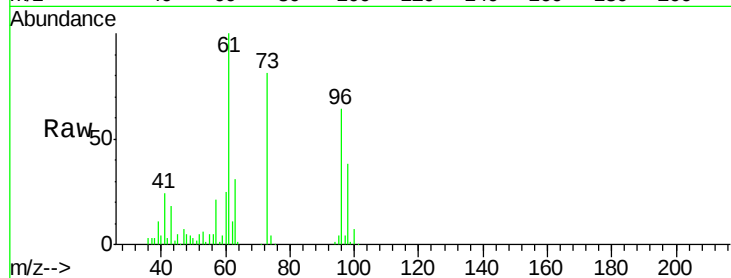
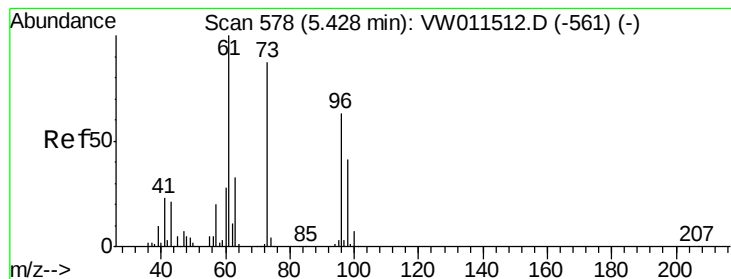
Tgt Ion: 43 Resp: 39243

Ion Ratio Lower Upper

43 100

74 19.0 15.9 23.9





#19

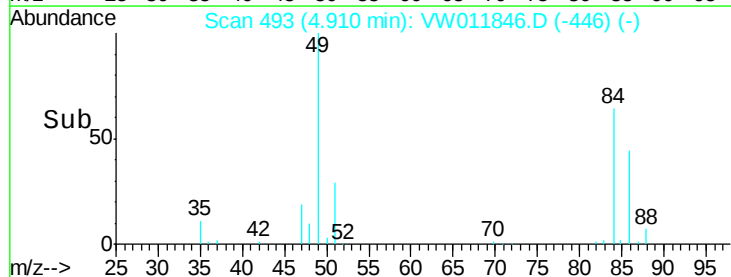
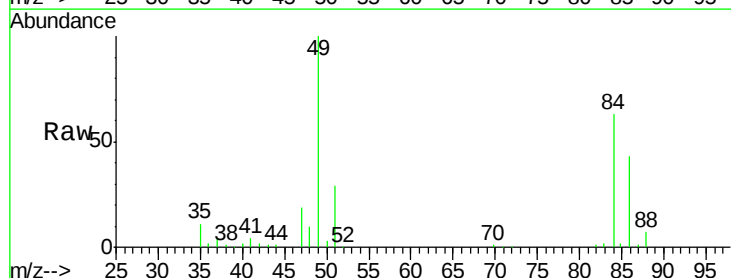
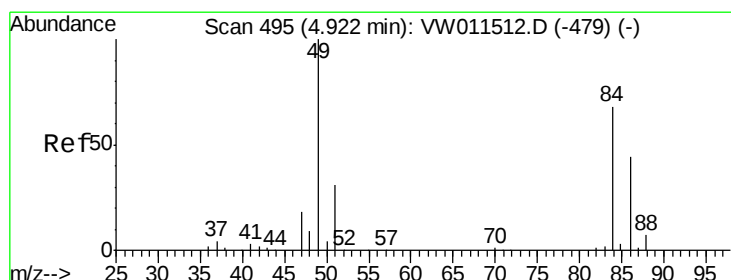
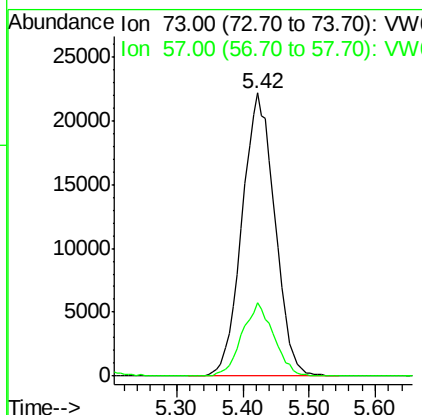
Methyl tert-butyl Ether
Concen: 21.713 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.8	18.4	27.6

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBS02

Manual Integrations
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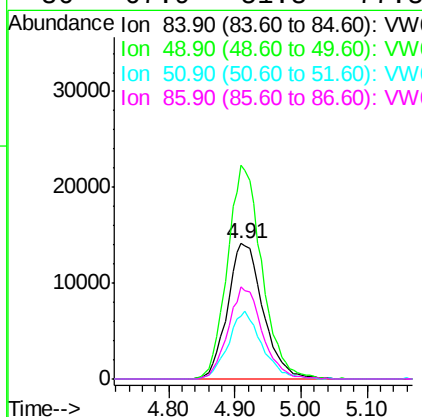
MMDadoda
8/13/2019 2:43:40 PM

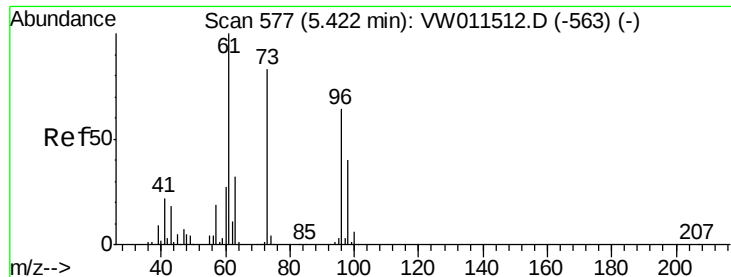


#20

Methylene Chloride
Concen: 19.750 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.9	117.8	176.6
51	46.0	37.0	55.4
86	67.9	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 21.327 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

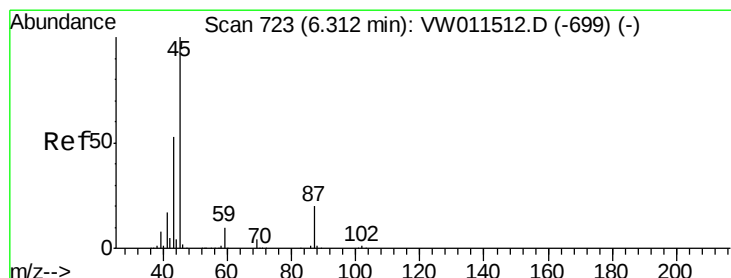
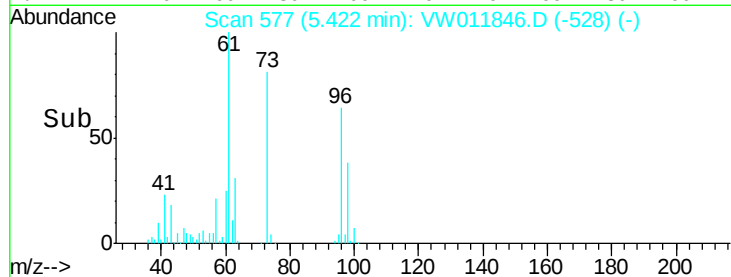
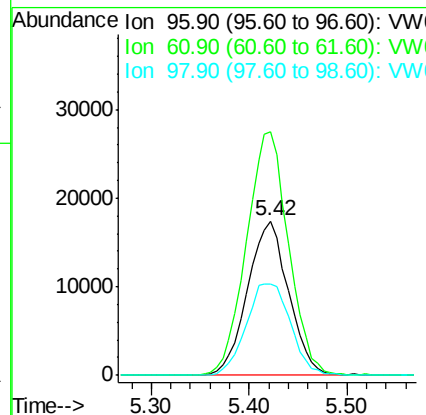
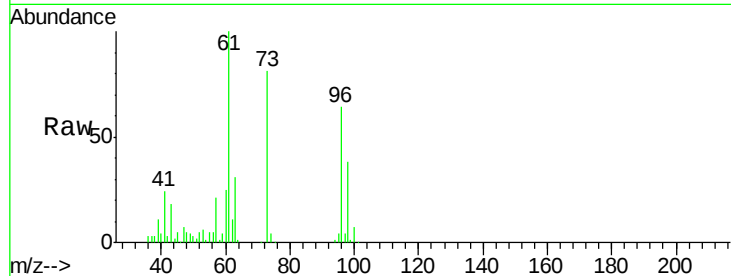
ClientSampleId :

VW0812SBSD02

Tot Ion:	96	Resp:	50750
Ion	Ratio	Lower	Upper
96	100		
61	157.5	125.7	188.5
98	59.2	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.123 ug/l

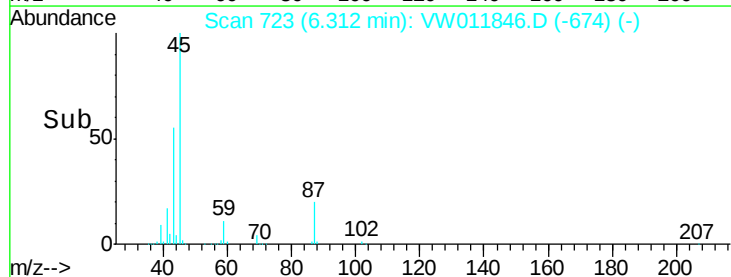
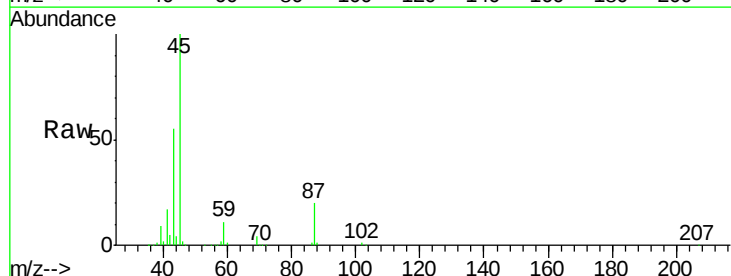
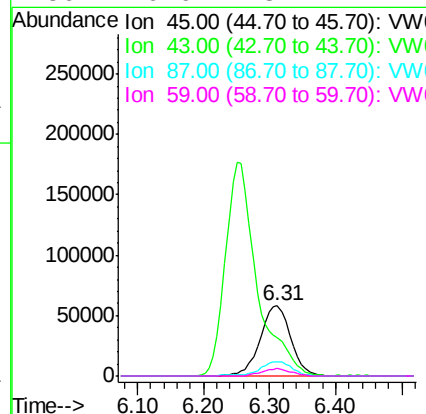
RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion:	45	Resp:	186954
Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.6	63.8
87	20.4	16.4	24.6
59	10.9	8.2	12.2





#23

Vinyl Acetate

Concen: 105.476 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion: 43 Resp: 586587

Ion Ratio Lower Upper

43 100

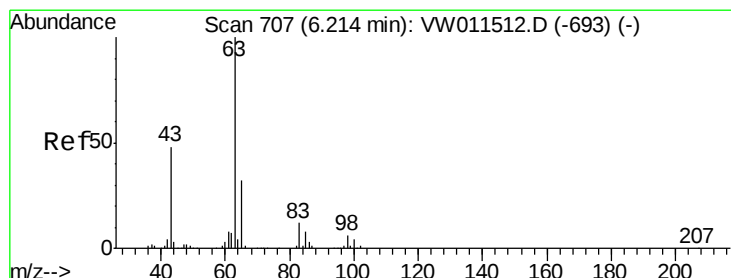
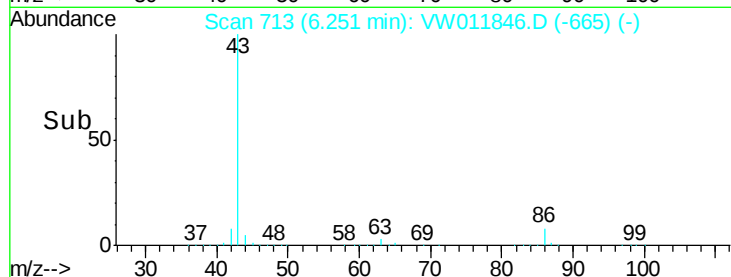
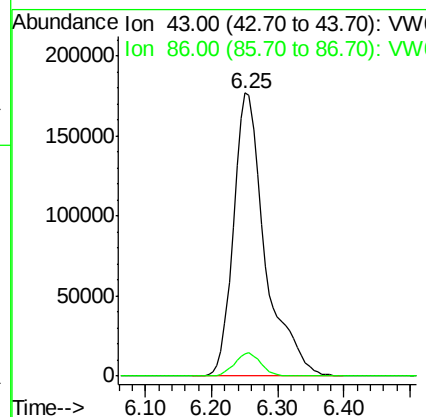
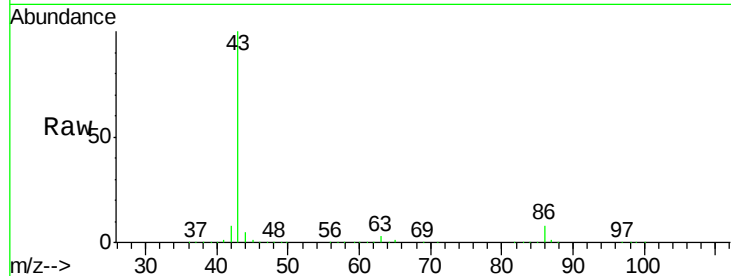
86 8.1 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.234 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

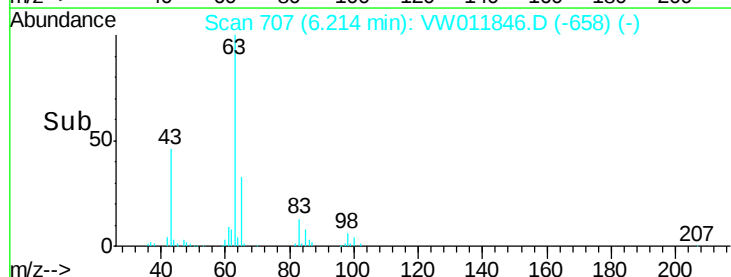
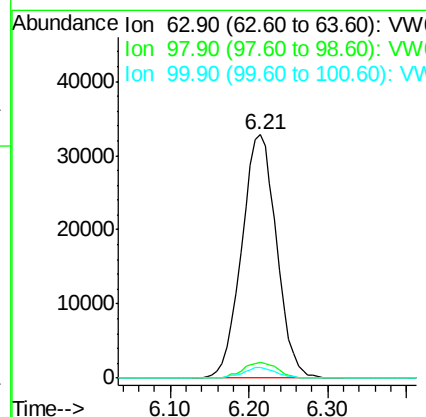
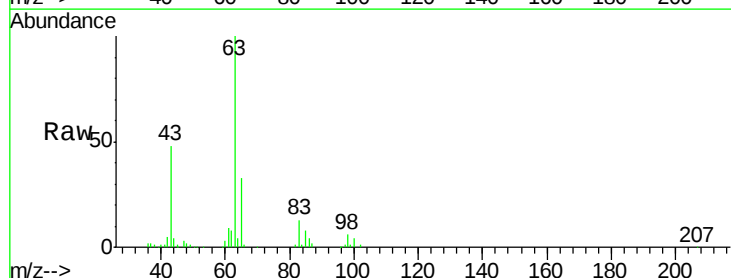
Tgt Ion: 63 Resp: 100651

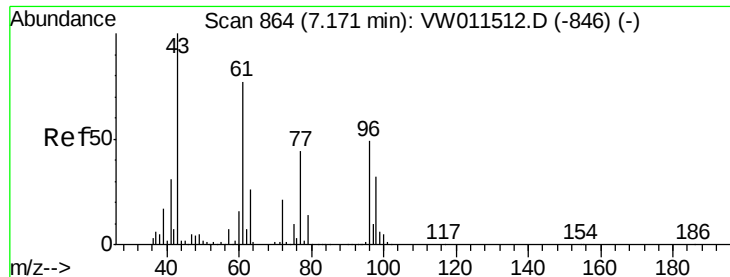
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 99.139 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBS02

Tot Ion: 43 Resp: 100421

Ion Ratio Lower Upper

43 100

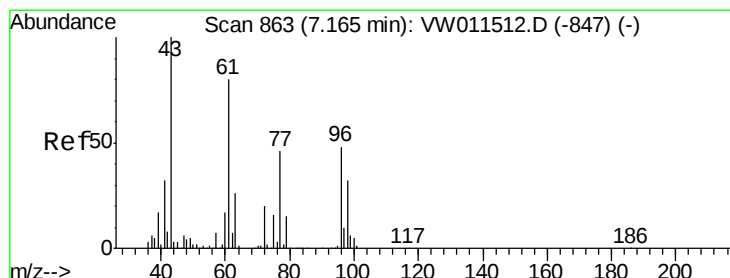
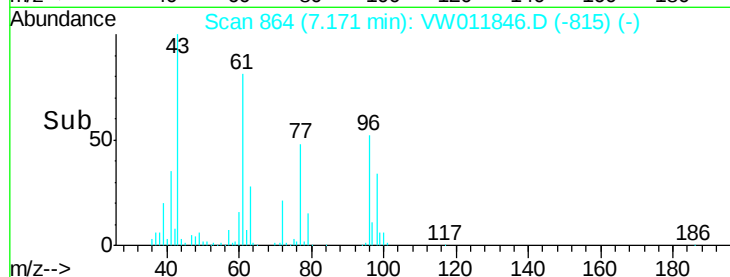
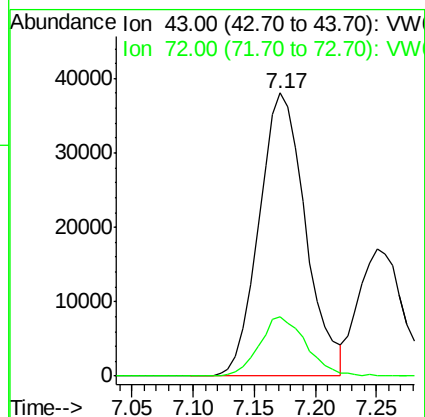
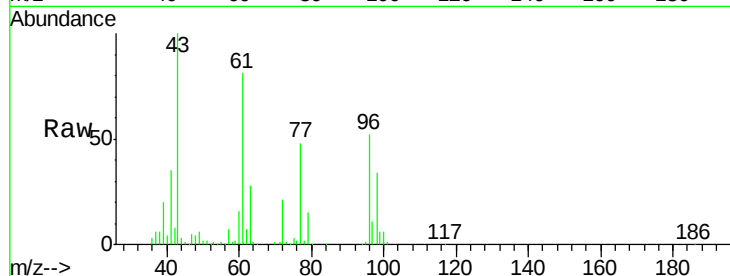
72 20.9 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.668 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011846.D

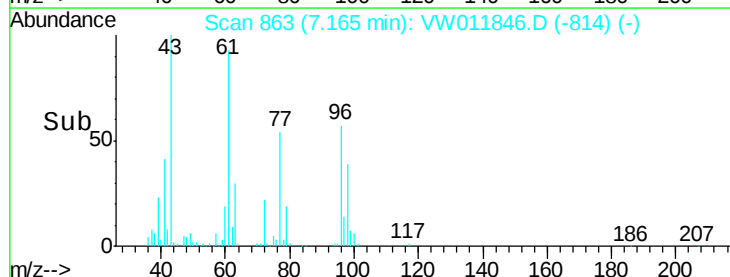
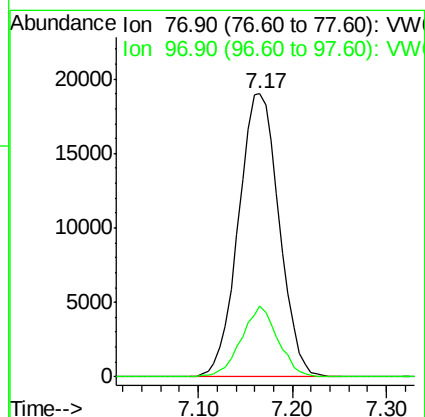
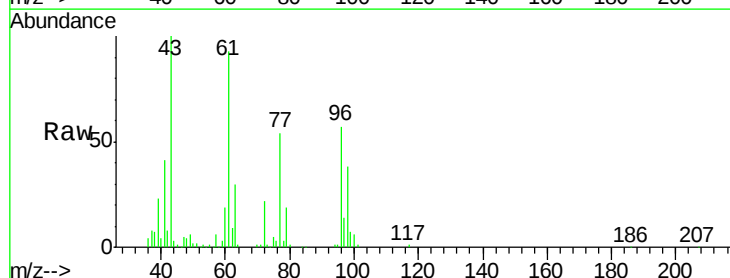
Acq: 12 Aug 2019 12:41

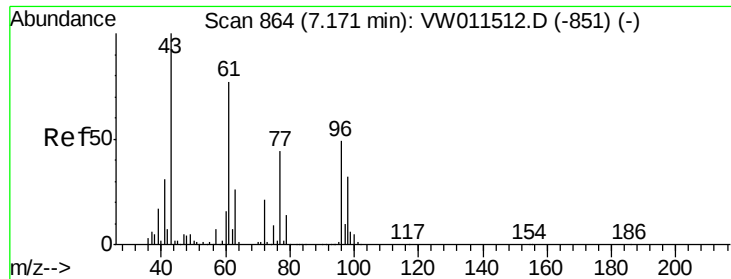
Tgt Ion: 77 Resp: 57335

Ion Ratio Lower Upper

77 100

97 22.5 10.8 32.4





#27

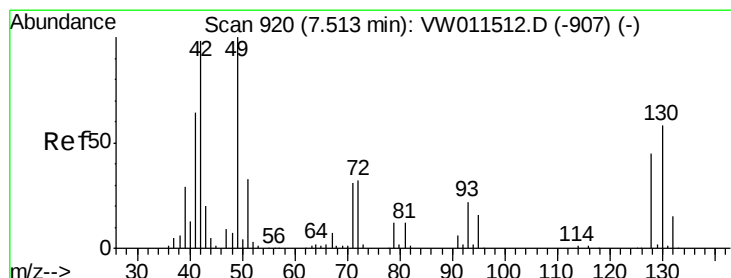
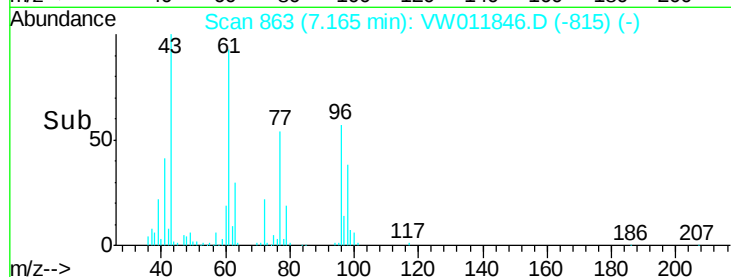
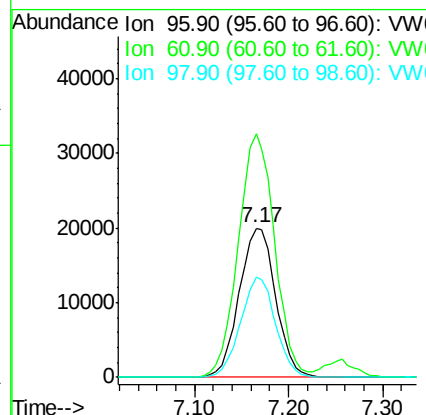
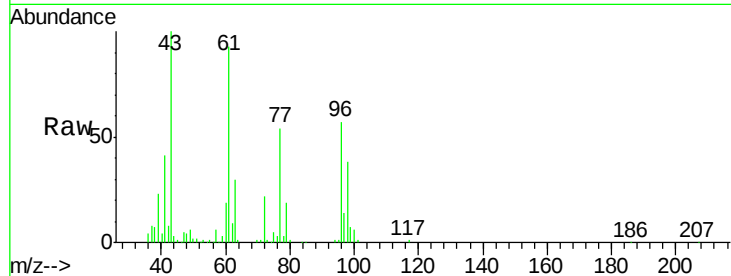
cis-1,2-Dichloroethene
Concen: 20.609 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	328.4
98	64.6	0.0	128.8

Manual Integrations
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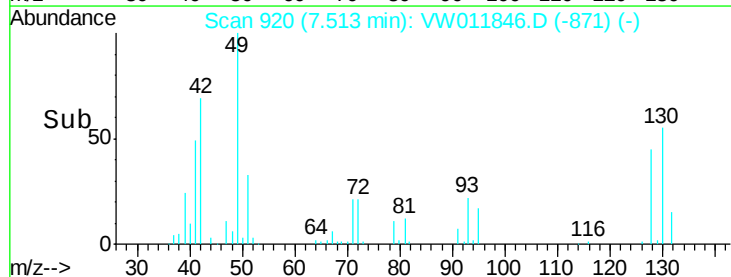
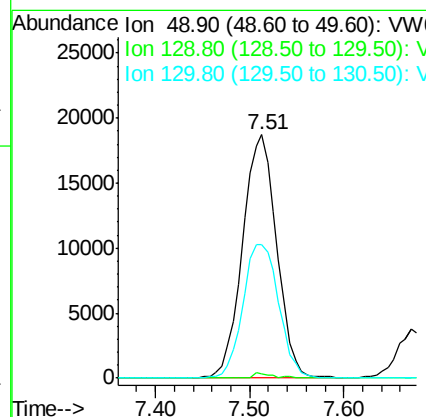
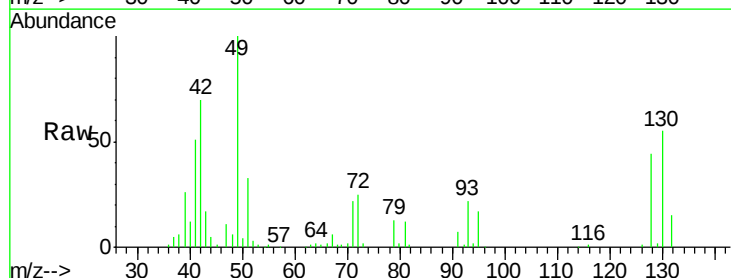
MMDadoda
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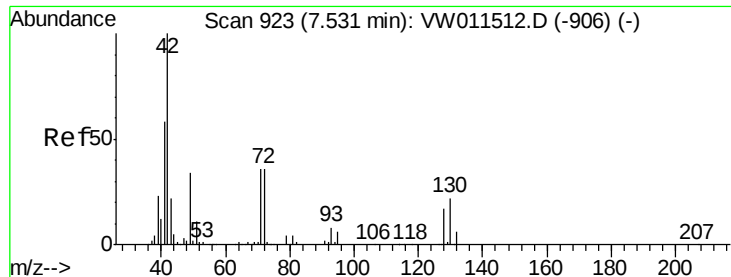


#28

Bromochloromethane
Concen: 22.560 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.0#
130	57.7	46.3	69.5





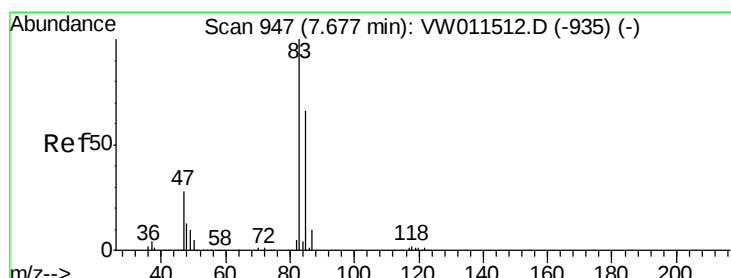
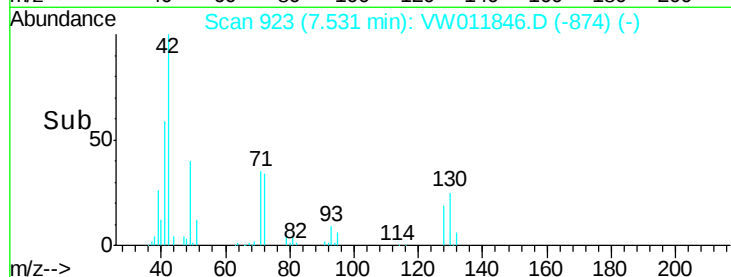
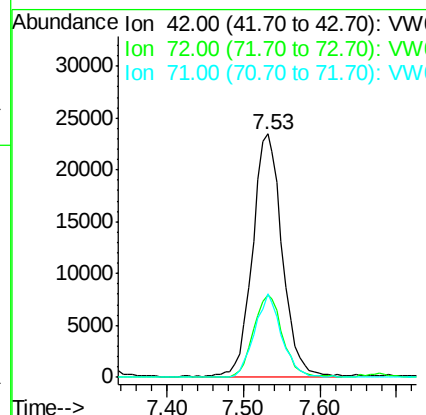
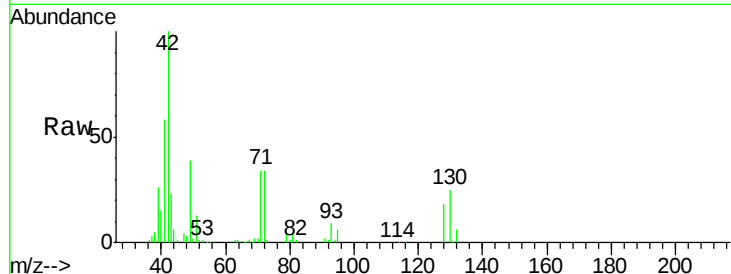
#29
Tetrahydrofuran
Concen: 110.361 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.8	27.1	40.7
71	31.2	26.2	39.4

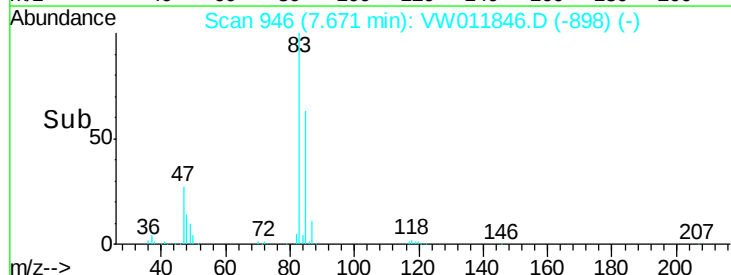
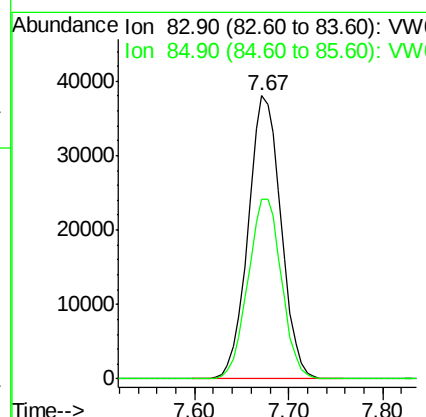
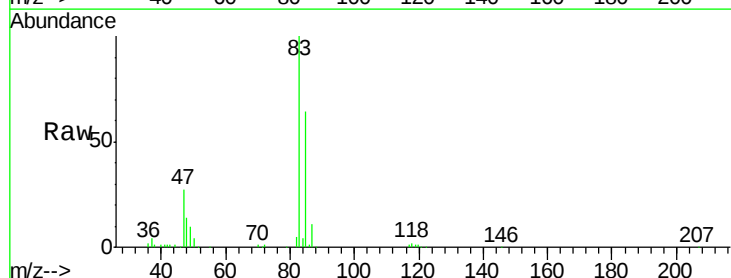
Manual Integrations
APPROVED

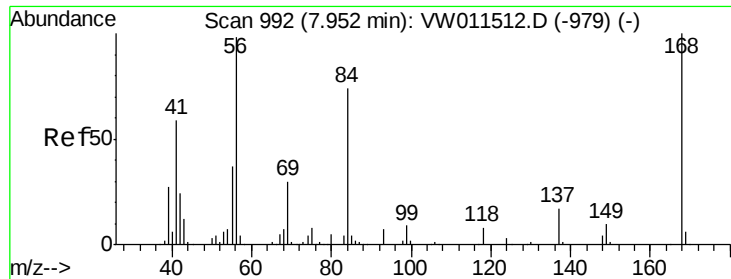
MMDadoda
8/13/2019 2:43:40 PM



#30
Chloroform
Concen: 21.278 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7





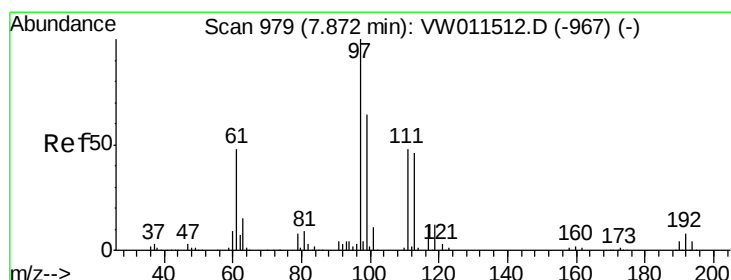
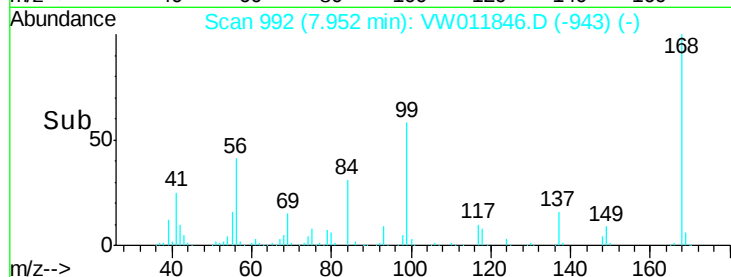
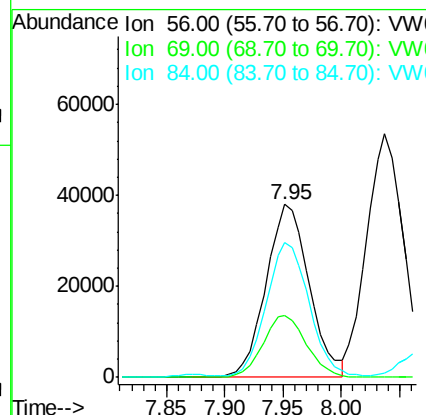
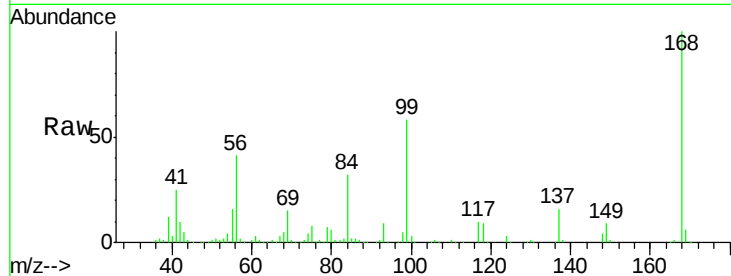
#31
Cyclohexane
Concen: 21.494 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampled :
VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	24.3	36.5
84	76.5	60.4	90.6

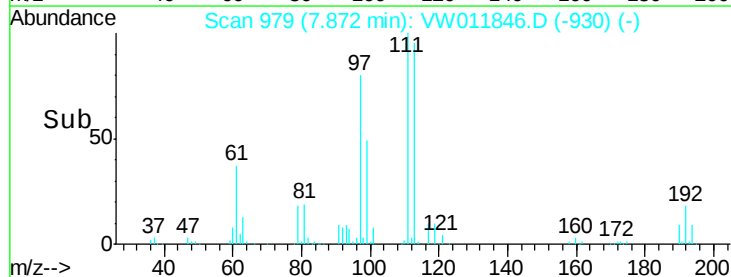
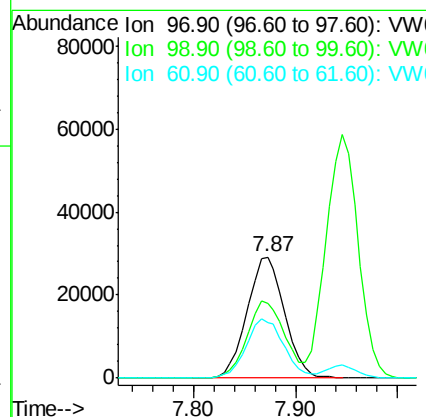
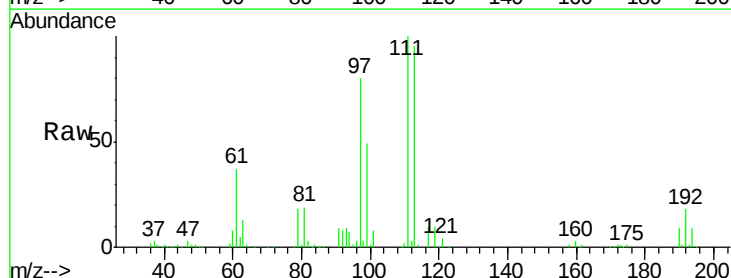
Manual Integrations
APPROVED

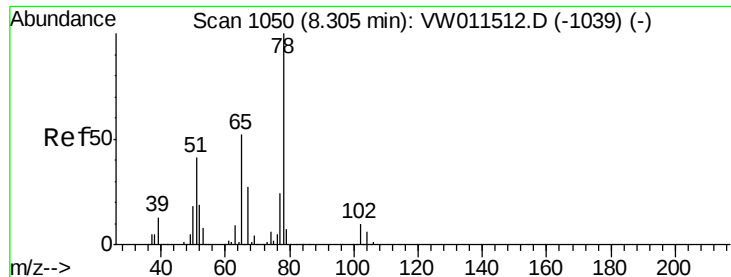
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 22.264 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.0	76.6
61	49.1	39.8	59.6





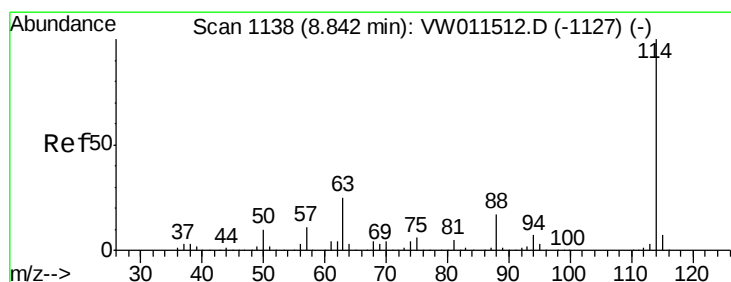
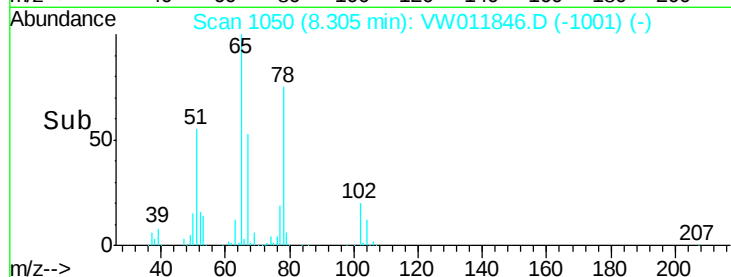
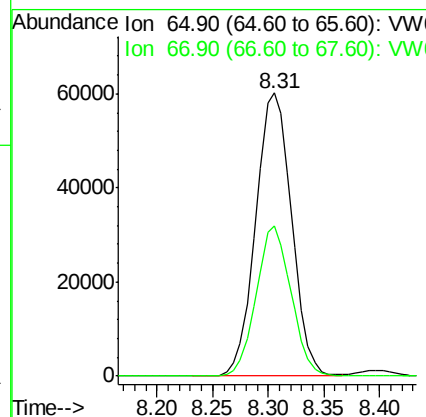
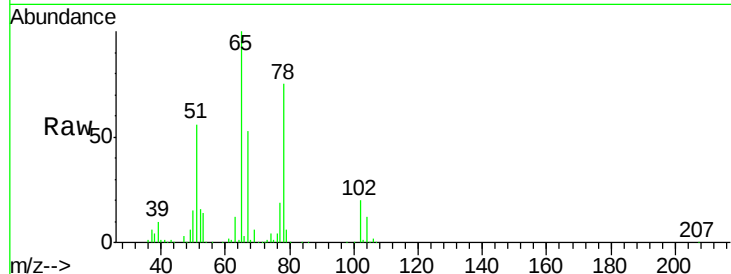
#33
 1,2-Dichloroethane-d4
 Concen: 55.634 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	105.2	

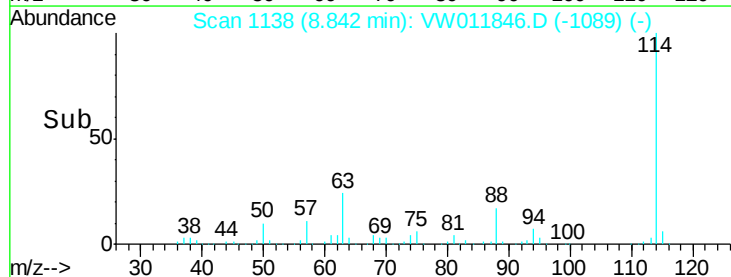
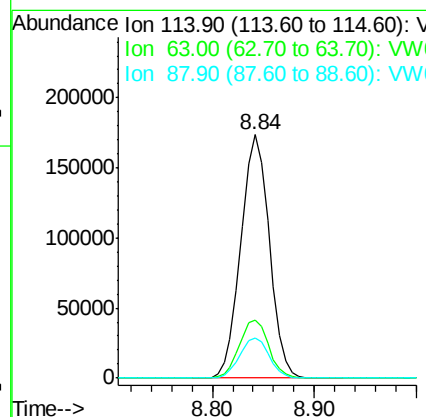
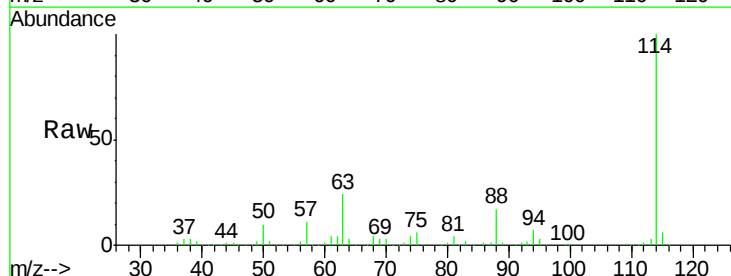
Manual Integrations
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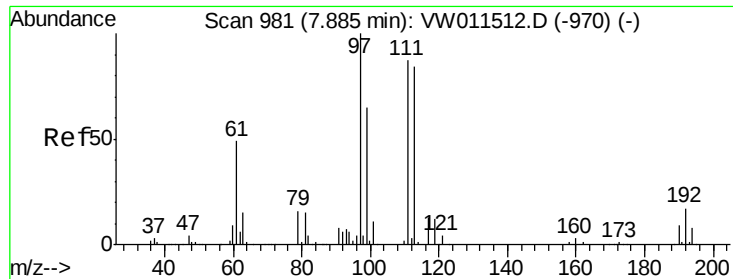
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.9	0.0	49.2	
88	16.5	0.0	33.8	





#35

Dibromofluoromethane

Concen: 56.537 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

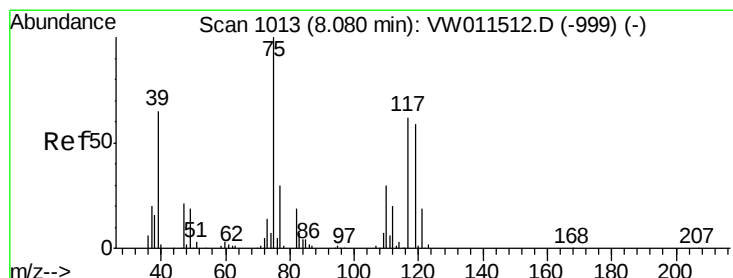
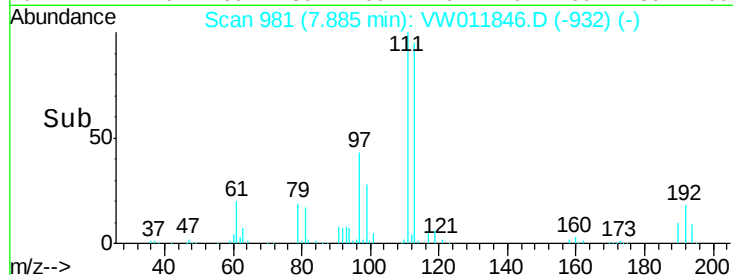
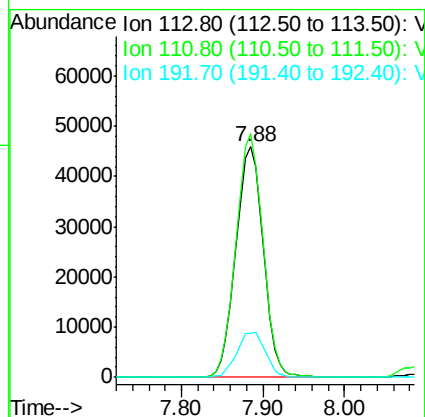
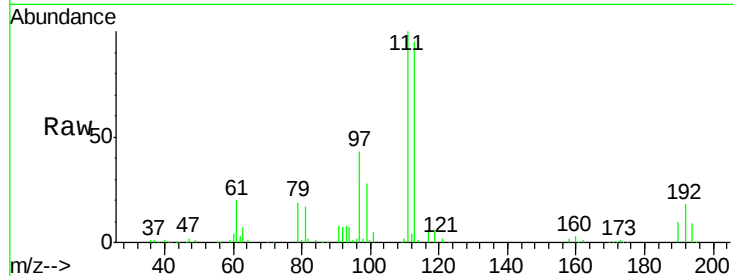
ClientSampleId :

VW0812SBSD02

Tot Ion:	113	Resp:	106873
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.7	124.1
192	20.4	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.207 ug/l

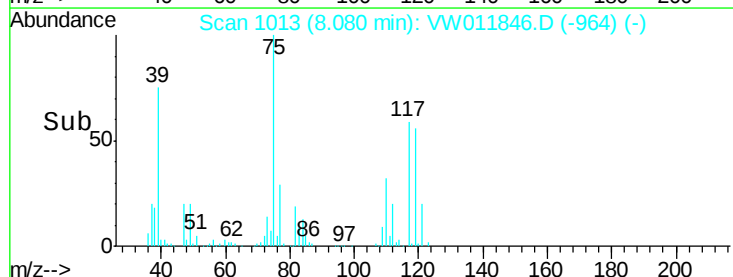
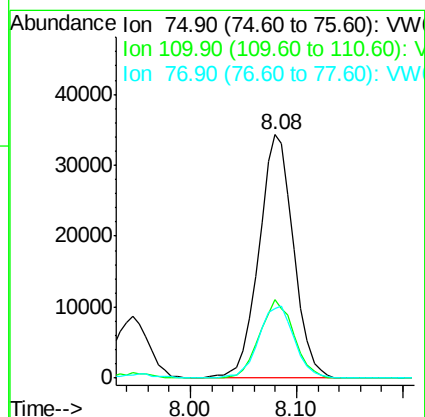
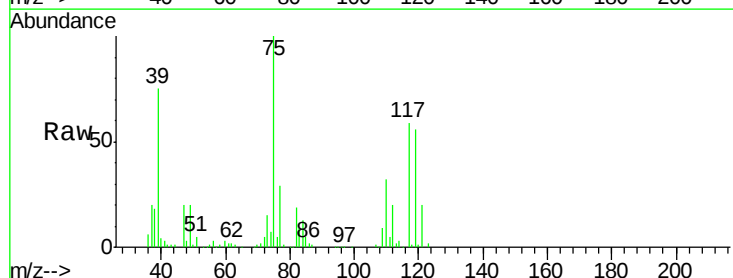
RT: 8.08 min Scan# 1013

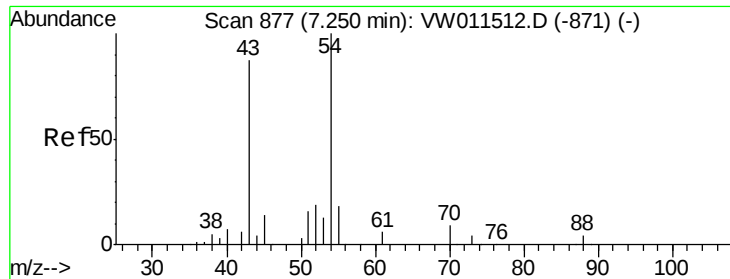
Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion:	75	Resp:	77806
Ion Ratio	Lower	Upper	
75	100		
110	31.9	15.6	46.8
77	30.8	24.3	36.5





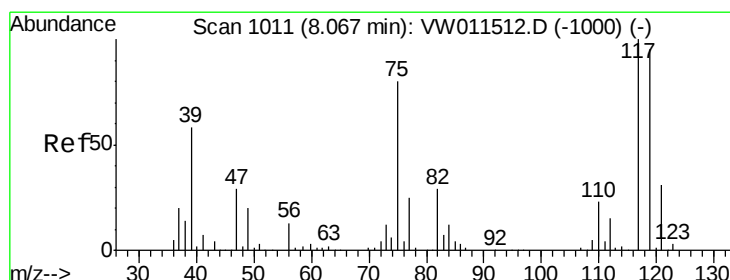
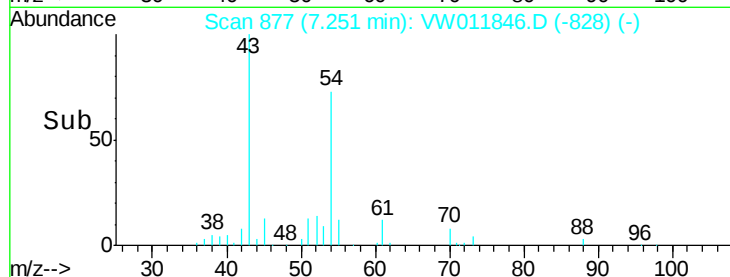
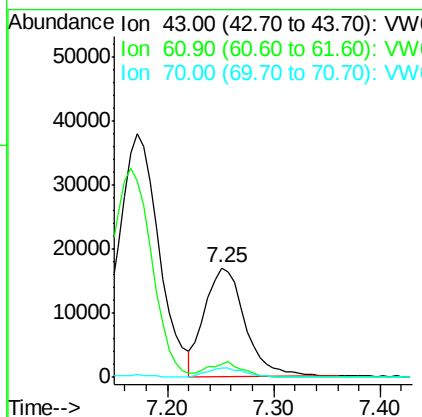
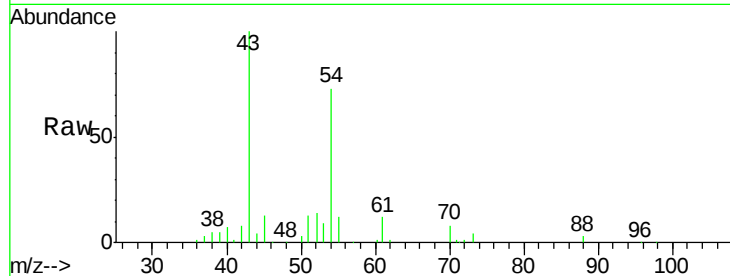
#37
Ethyl Acetate
Concen: 21.829 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	8.8	13.2
70	8.6	7.1	10.7

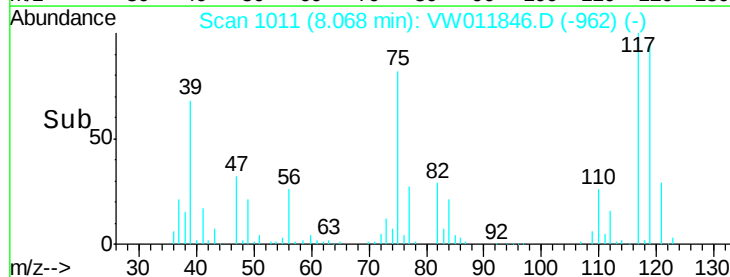
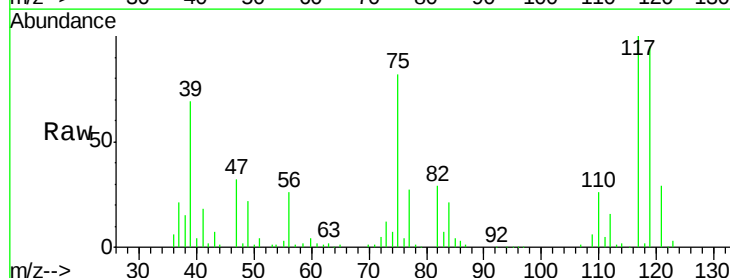
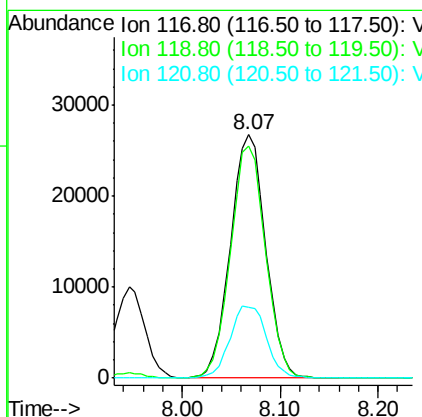
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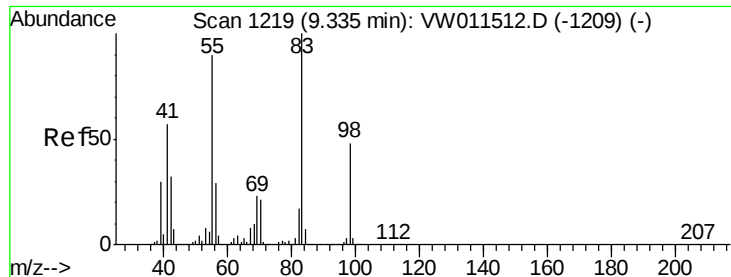
MMDadoda
8/13/2019 2:43:40 PM



#38
Carbon Tetrachloride
Concen: 22.296 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.8	113.6
121	29.1	24.7	37.1





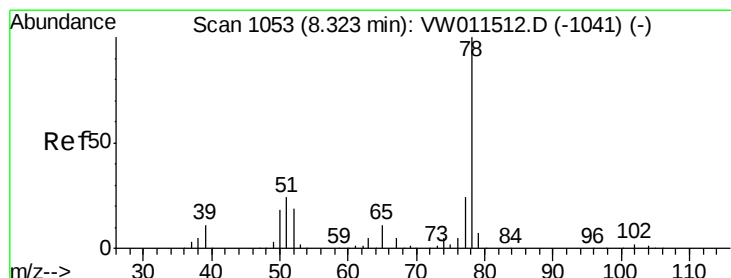
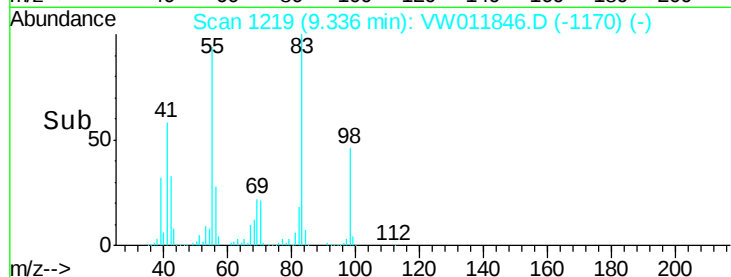
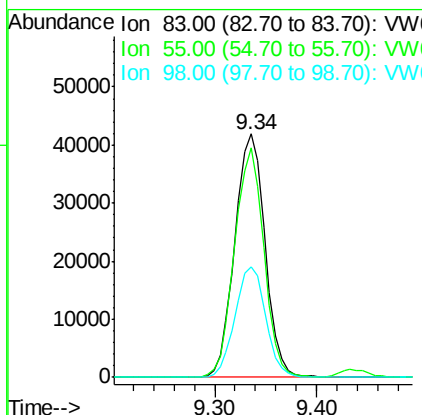
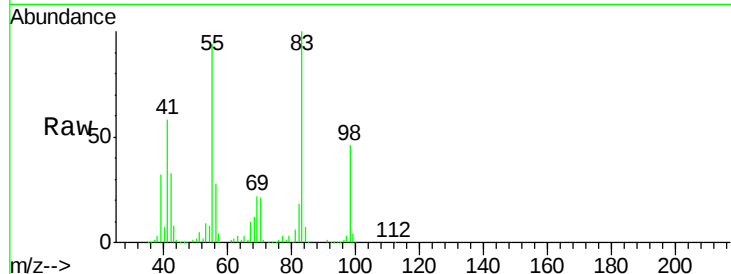
#39
Methvlcvclohexane
Concen: 22.302 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.3	72.1	108.1
98	45.6	38.6	57.8

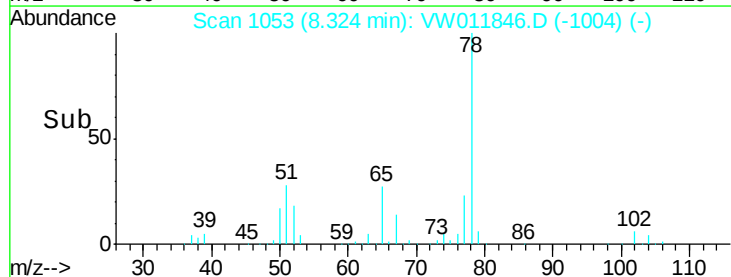
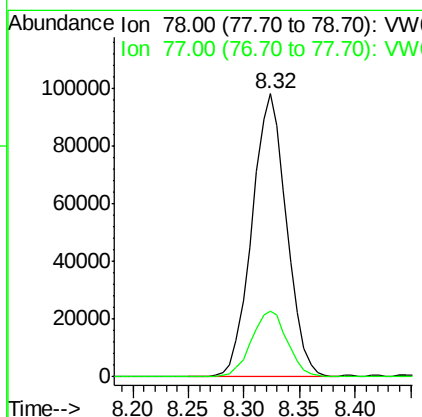
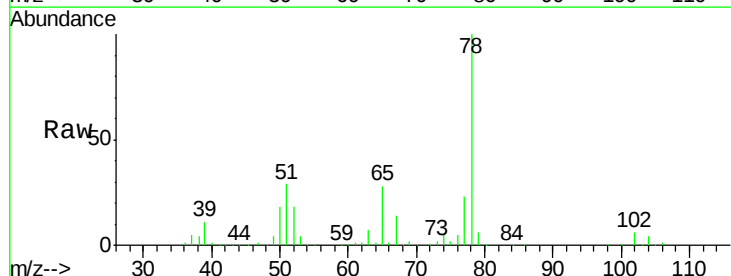
Manual Integrations
APPROVED

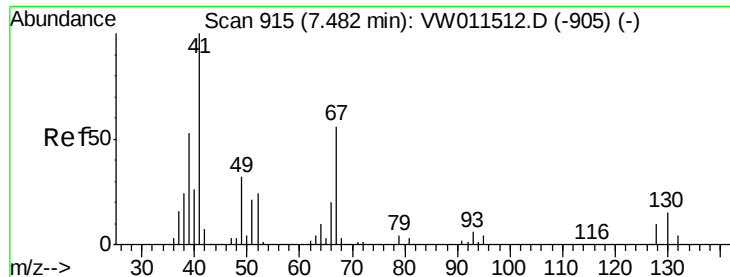
MMDadoda
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#40
Benzene
Concen: 21.611 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.0





#41

Methacrylonitrile

Concen: 21.472 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

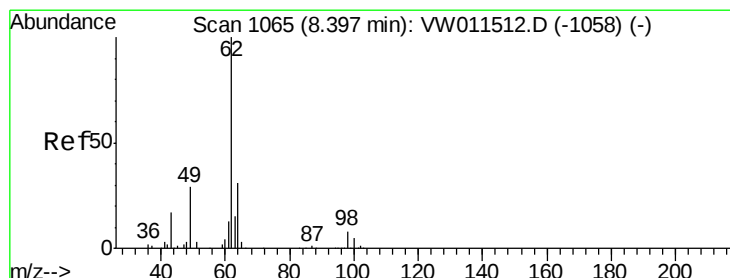
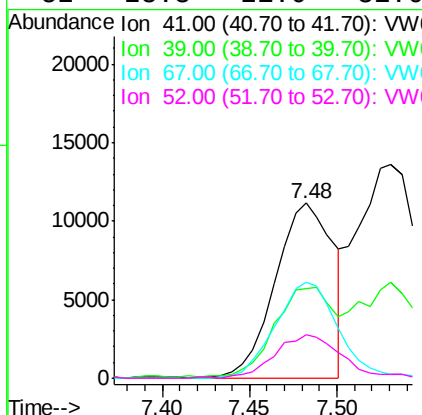
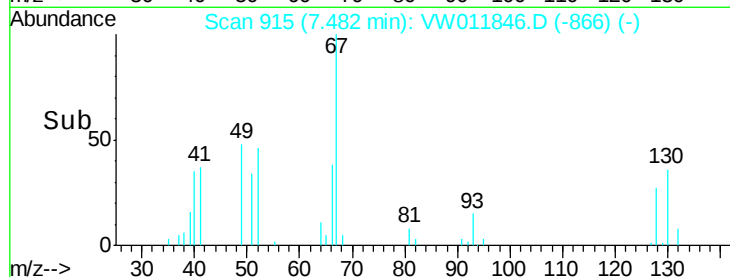
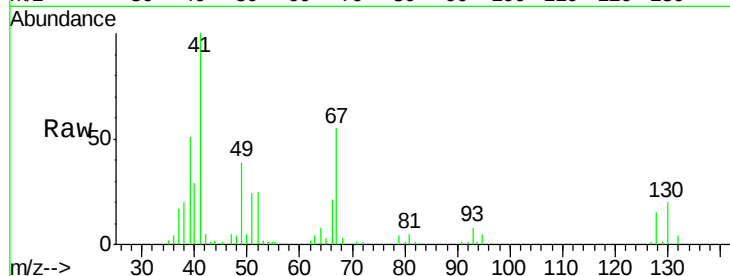
ClientSampleId :

VW0812SBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	43.0	64.4	
67	59.5	47.5	71.3	
52	28.3	21.0	31.6	

Manual Integrations
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8/13/2019 2:43:40 PM



#42

1,2-Dichloroethane

Concen: 22.170 ug/l

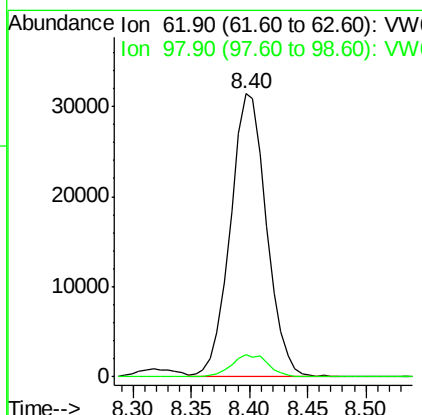
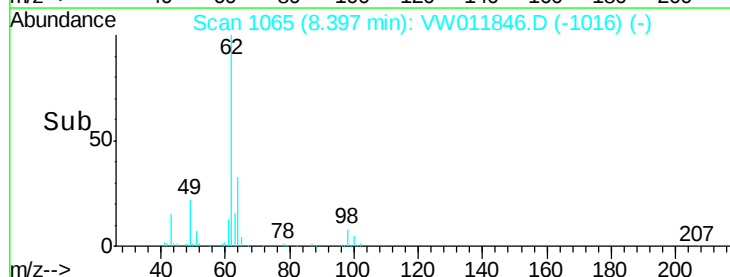
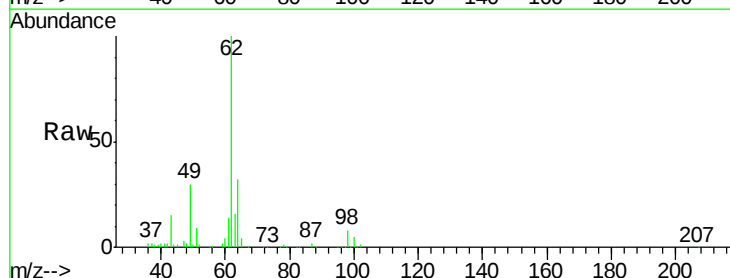
RT: 8.40 min Scan# 1065

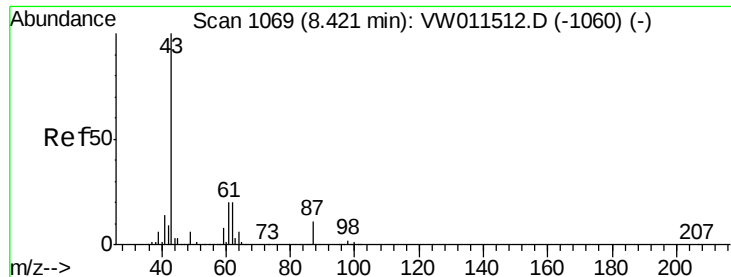
Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.8	





#43

Isopropyl Acetate

Concen: 22.002 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

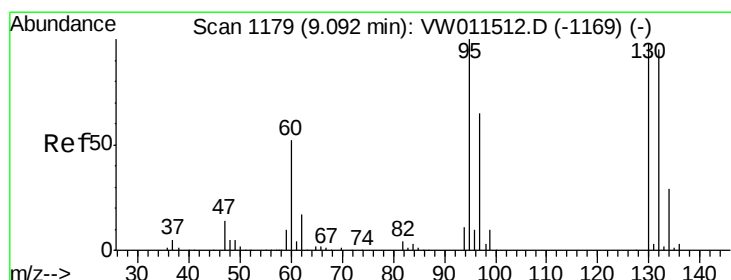
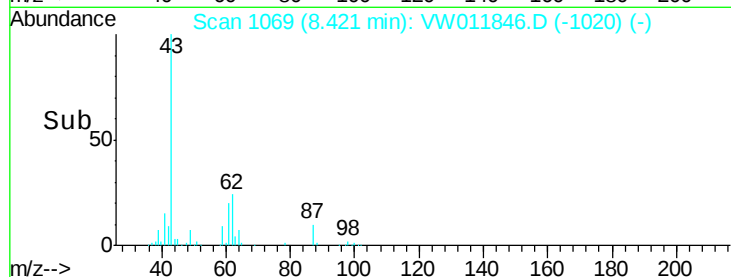
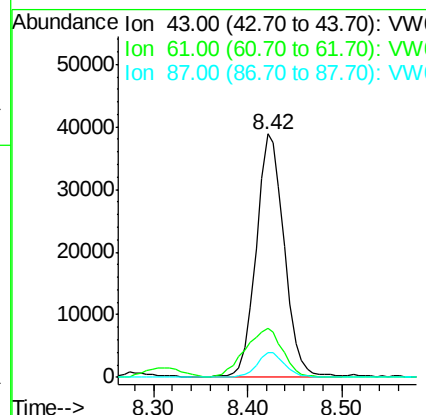
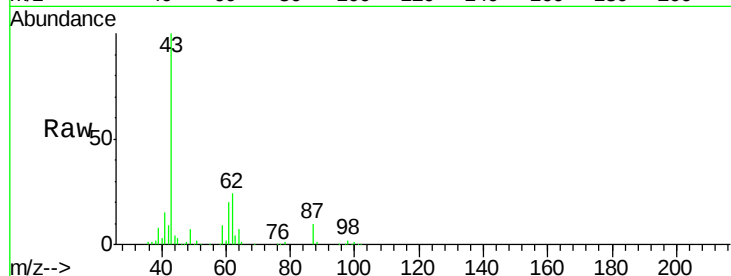
ClientSampleId :

VW0812SBS02

Tot Ion:	43	Resp:	81563
Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.5	32.3
87	10.4	8.4	12.6

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#44

Trichloroethene

Concen: 21.873 ug/l

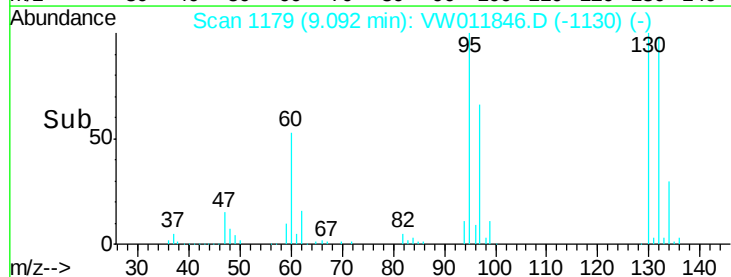
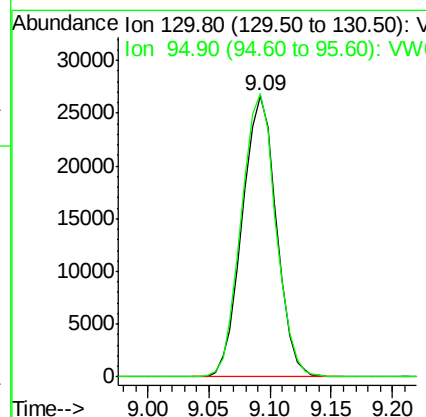
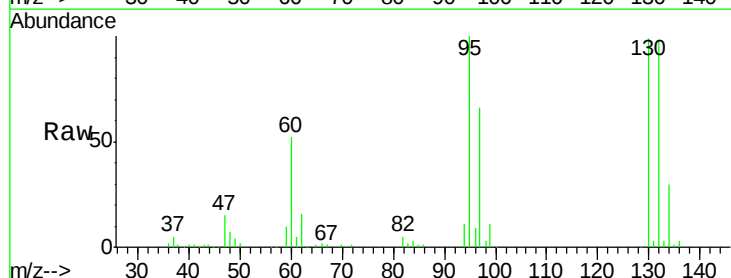
RT: 9.09 min Scan# 1179

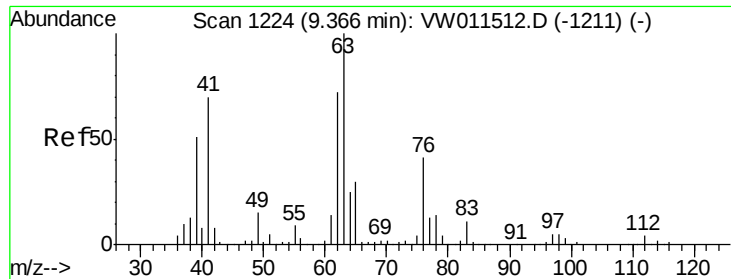
Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion:	130	Resp:	51592
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	204.8





#45

1,2-Dichloropropane

Concen: 21.782 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion: 63 Resp: 57197

Ion Ratio Lower Upper

63 100

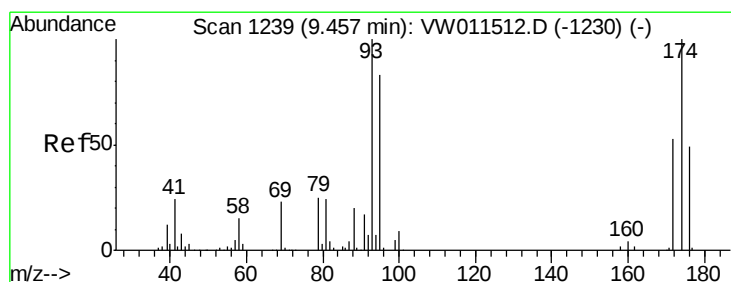
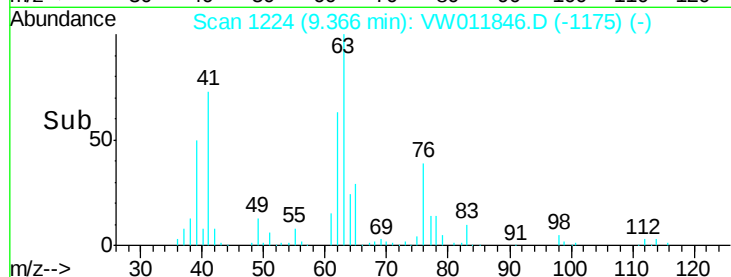
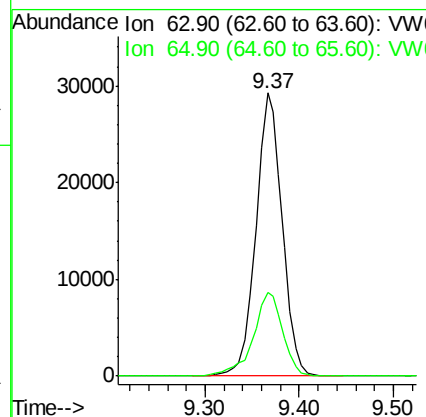
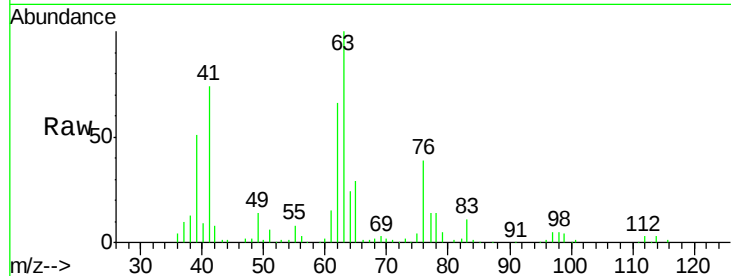
65 29.5 24.2 36.4

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#46

Dibromomethane

Concen: 21.606 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

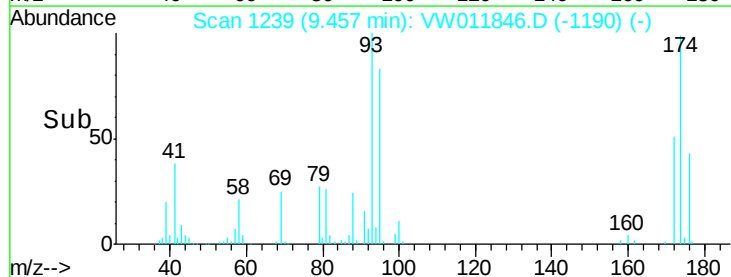
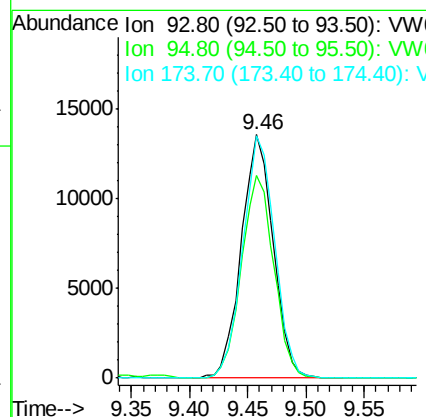
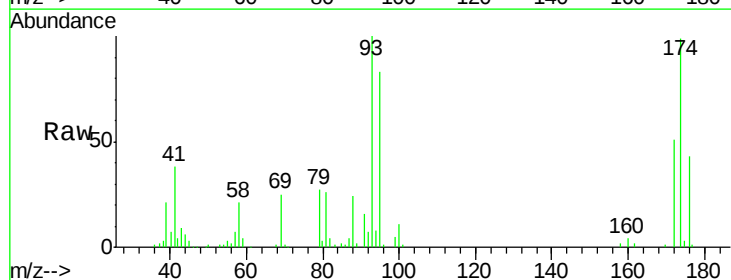
Tgt Ion: 93 Resp: 25895

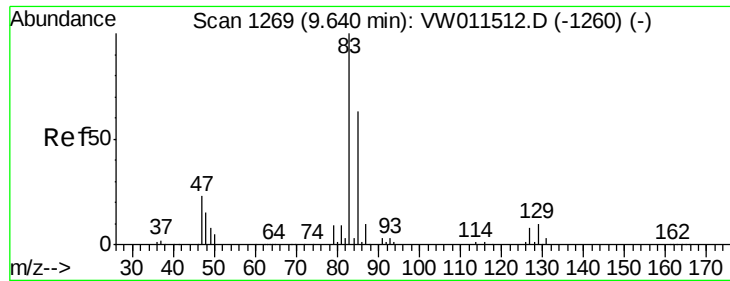
Ion Ratio Lower Upper

93 100

95 84.9 66.2 99.2

174 99.4 78.2 117.4





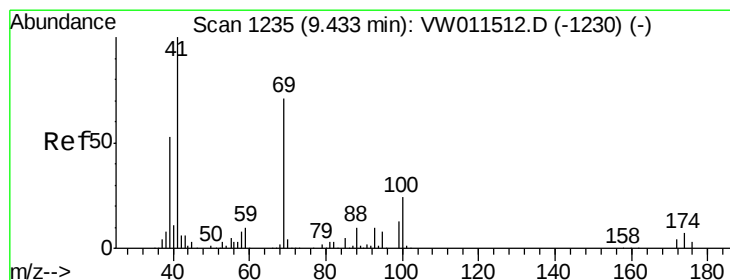
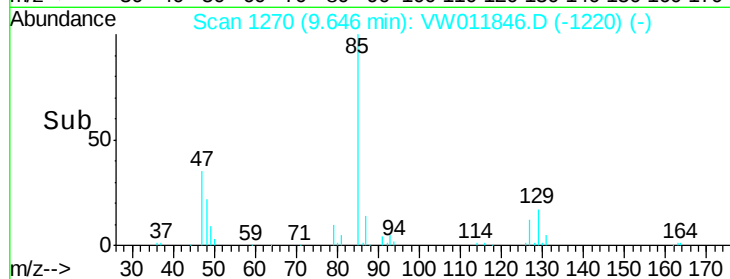
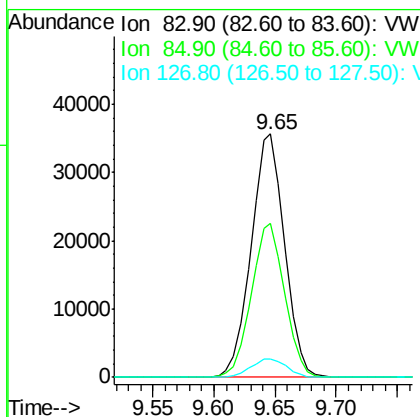
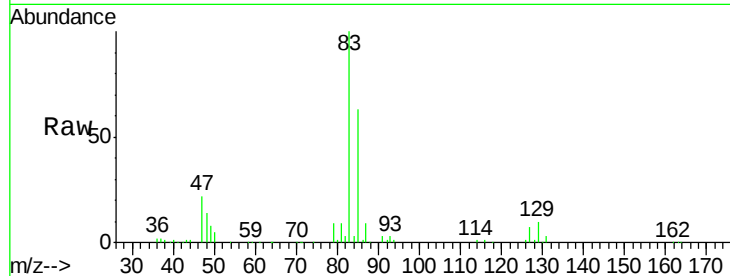
#47
Bromodichloromethane
Concen: 21.582 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	83	85	127	Ratio	Lower	Upper
Resp:	67850					
Ion	100	63.3	7.4			
Ratio		50.5	6.4			
Lower		75.7	9.6			
Upper						

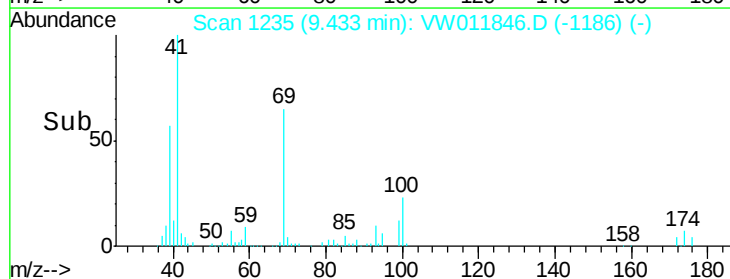
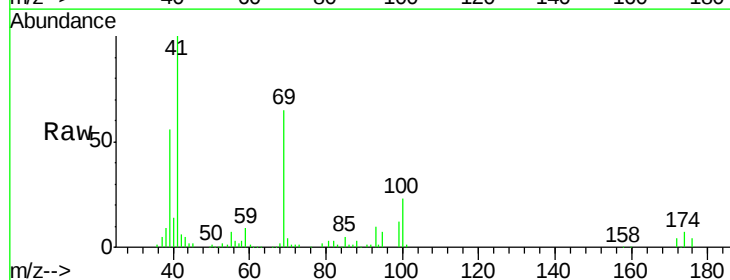
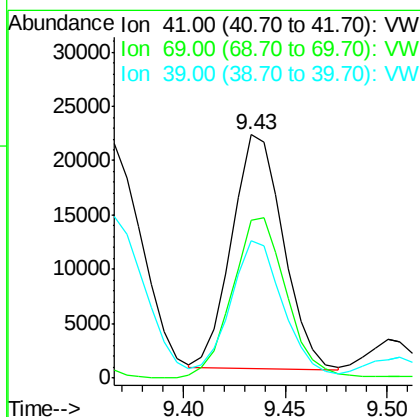
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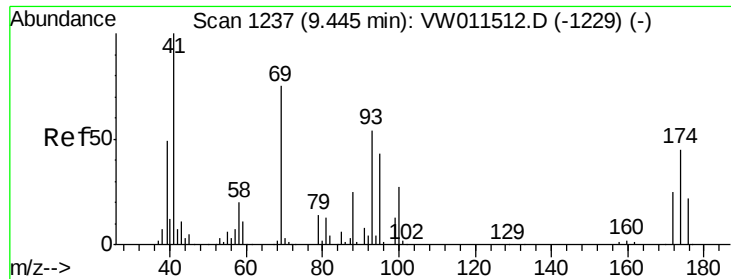
MMDadoda
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#48
Methyl methacrylate
Concen: 21.226 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	41	69	39	Ratio	Lower	Upper
Resp:	37798					
Ion	100	73.0	56.0			
Ratio		57.1	45.4			
Lower		85.7	68.2			
Upper						





#49

1,4-Dioxane

Concen: 414.387 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion: 88 Resp: 7191

Ion Ratio Lower Upper

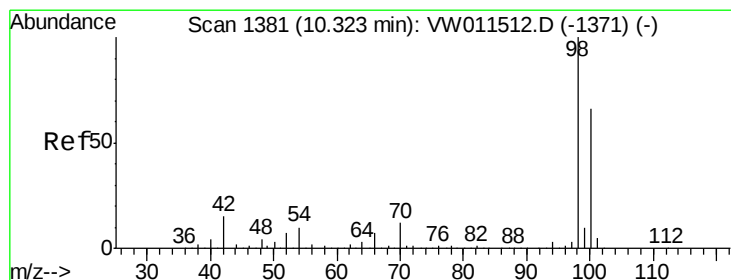
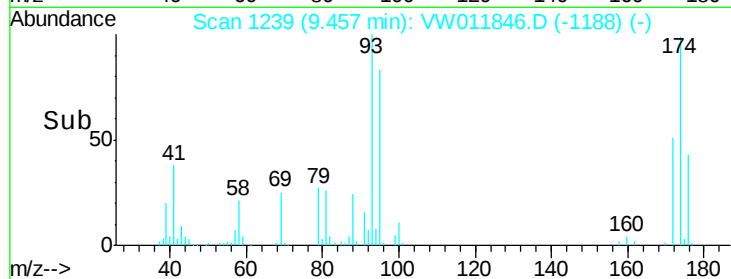
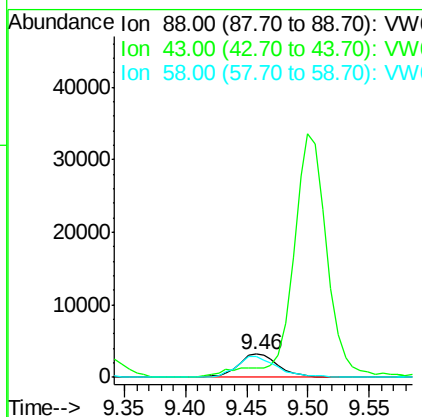
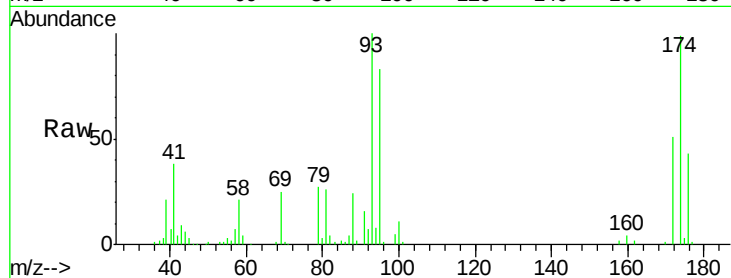
88 100

43 0.0 34.0 51.0#

58 94.6 69.7 104.5

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#50

Toluene-d8

Concen: 56.215 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011846.D

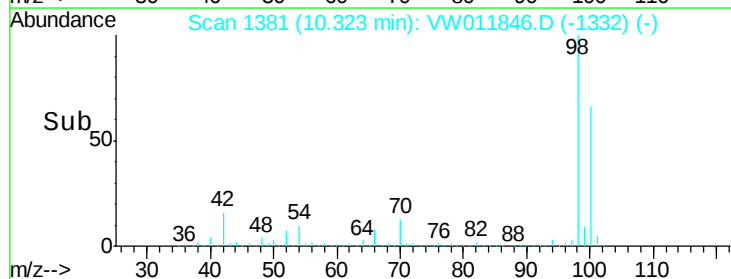
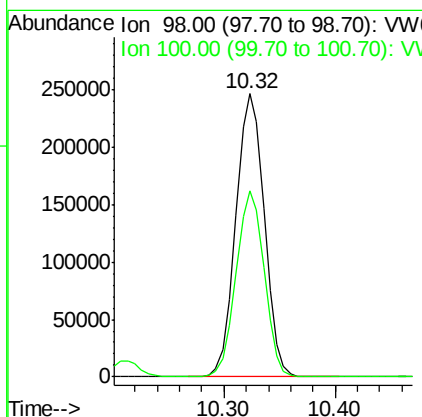
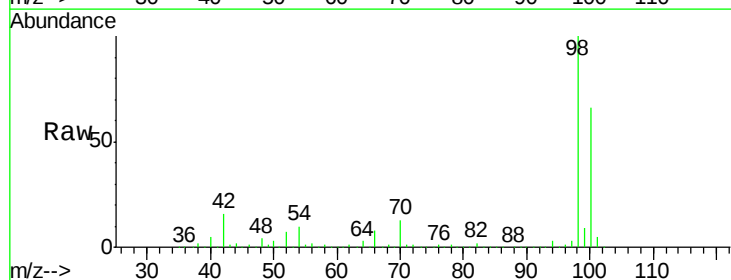
Acq: 12 Aug 2019 12:41

Tgt Ion: 98 Resp: 435078

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 109.843 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion: 43 Resp: 211802

Ion Ratio Lower Upper

43 100

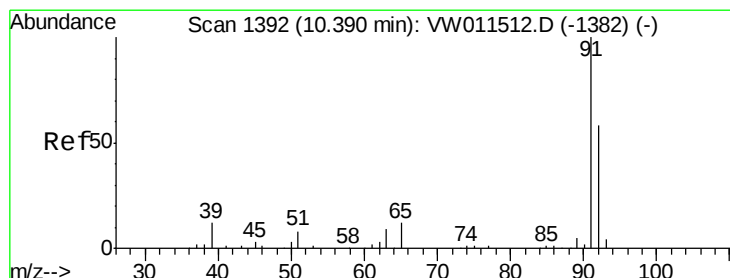
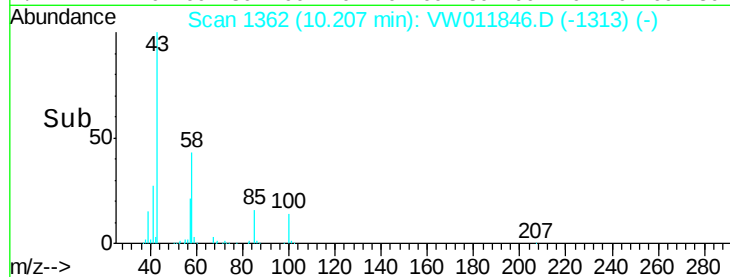
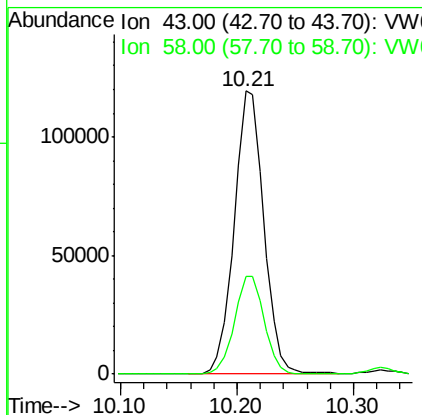
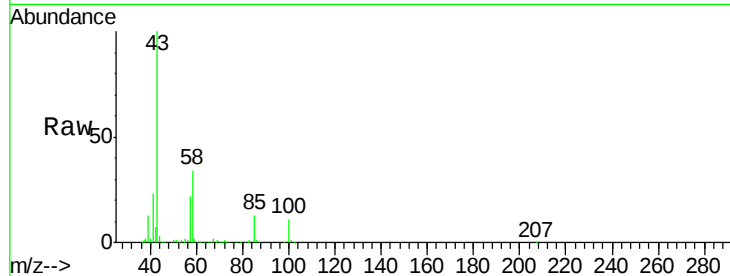
58 35.0 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 21.526 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW011846.D

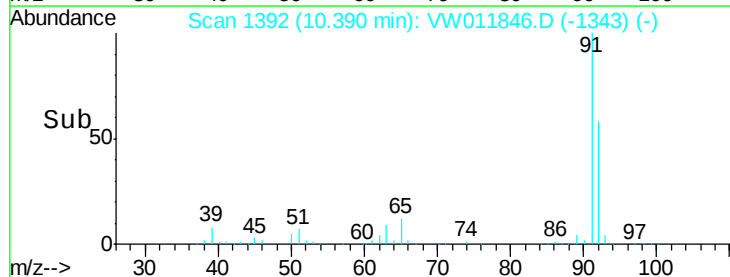
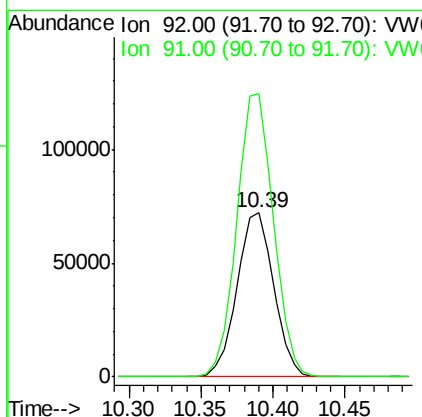
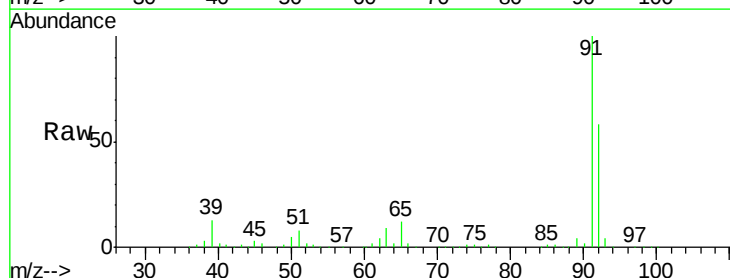
Acq: 12 Aug 2019 12:41

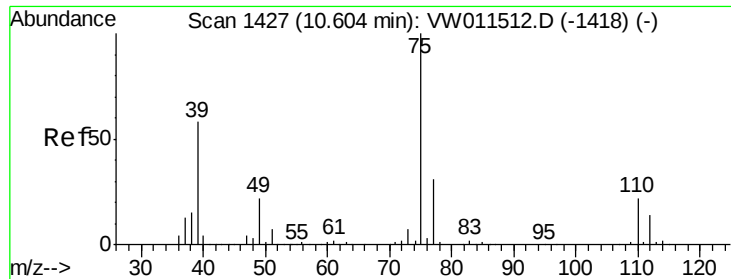
Tgt Ion: 92 Resp: 127576

Ion Ratio Lower Upper

92 100

91 172.4 136.7 205.1





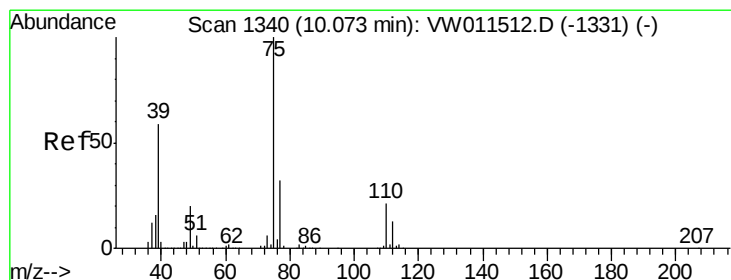
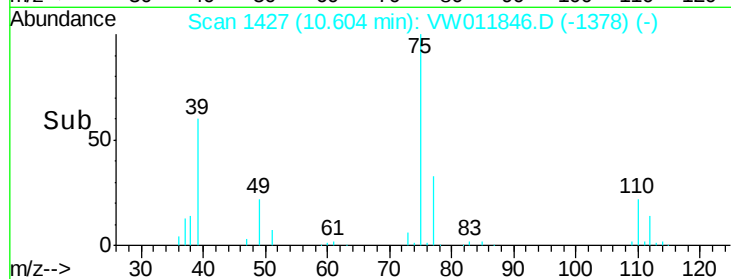
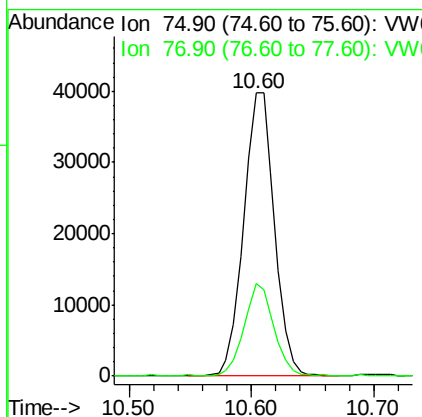
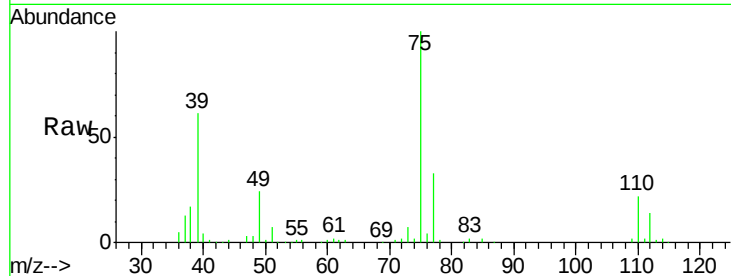
#53
 t-1,3-Dichloropropene
 Concen: 21.184 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4

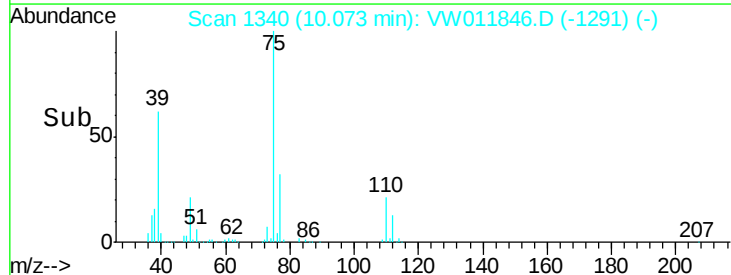
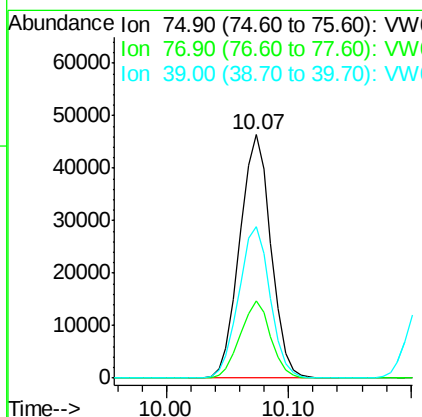
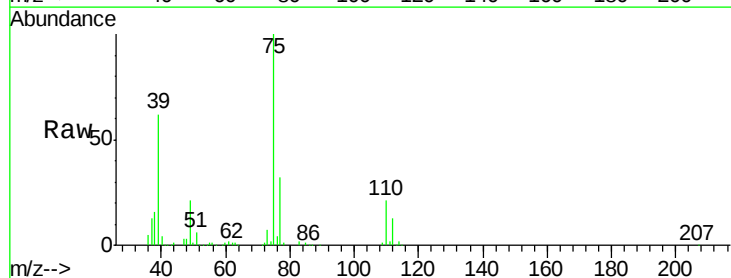
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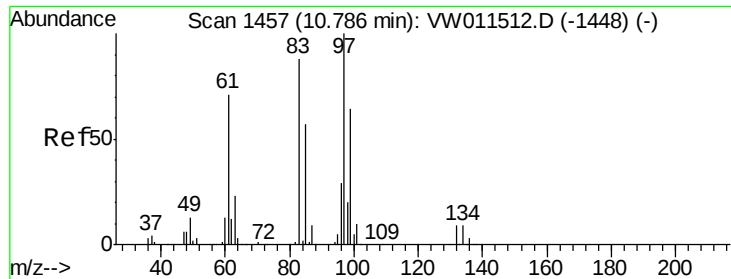
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#54
 cis-1,3-Dichloropropene
 Concen: 21.093 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	62.3	47.0	70.4





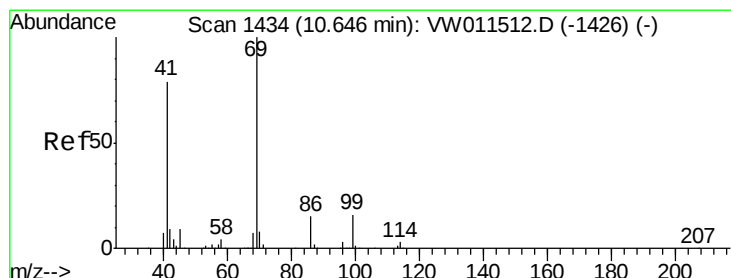
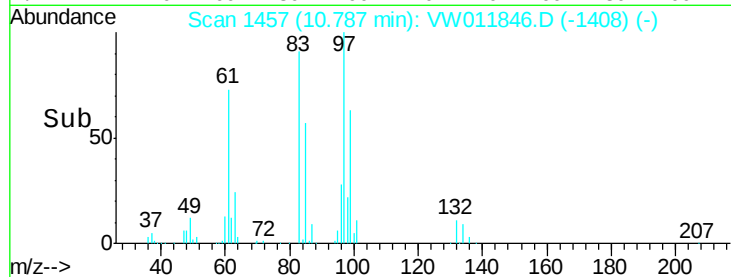
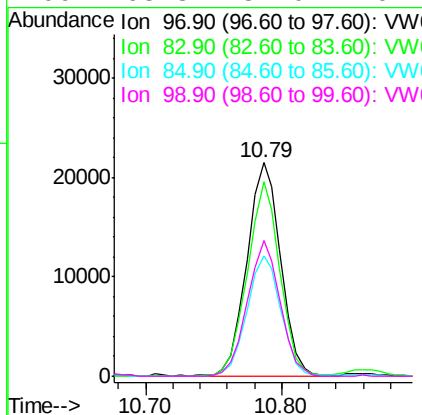
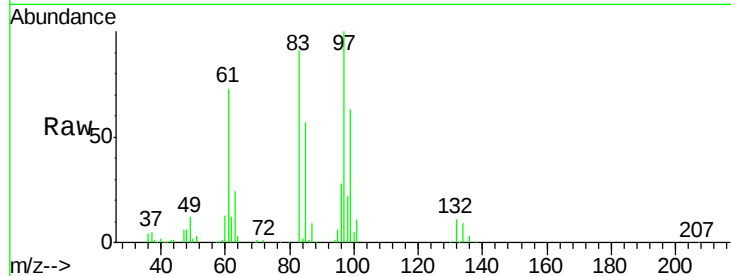
#55
 1,1,2-Trichloroethane
 Concen: 21.939 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Tot Ion:	97	Resp:	37306
Ion	Ratio	Lower	Upper
97	100		
83	90.9	70.5	105.7
85	56.6	45.8	68.6
99	63.3	51.0	76.4

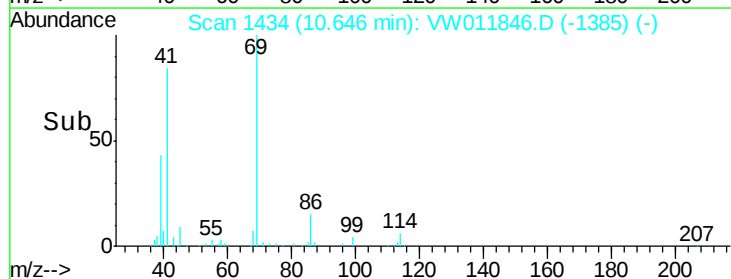
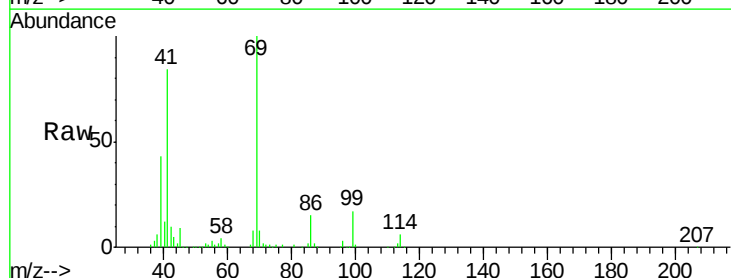
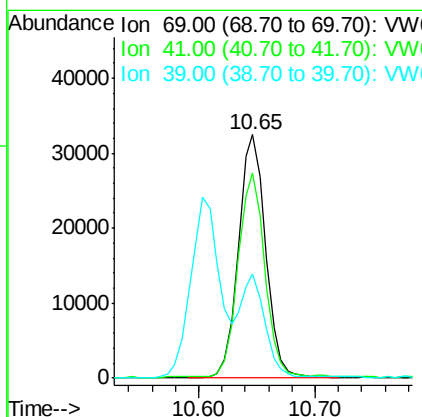
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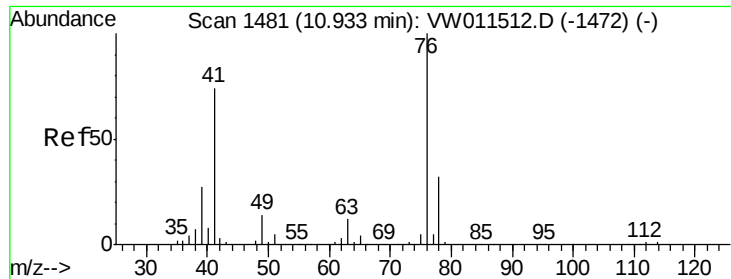
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#56
 Ethyl methacrylate
 Concen: 21.276 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion:	69	Resp:	52942
Ion	Ratio	Lower	Upper
69	100		
41	81.3	66.6	99.8
39	38.5	30.3	45.5





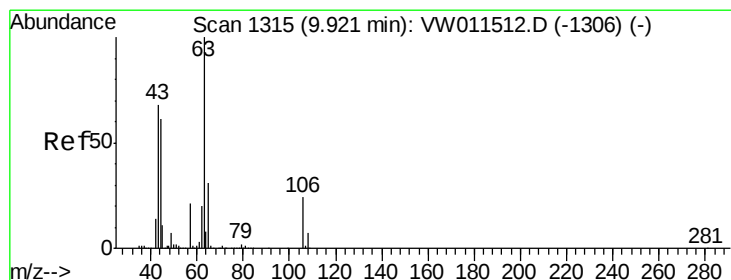
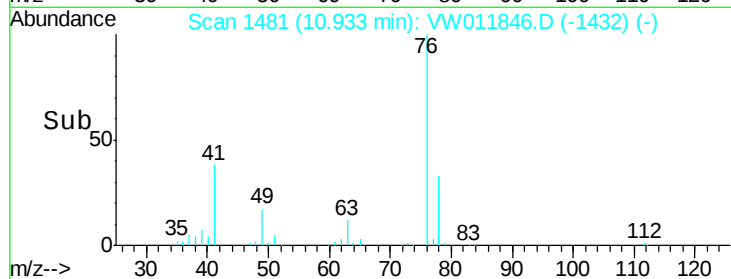
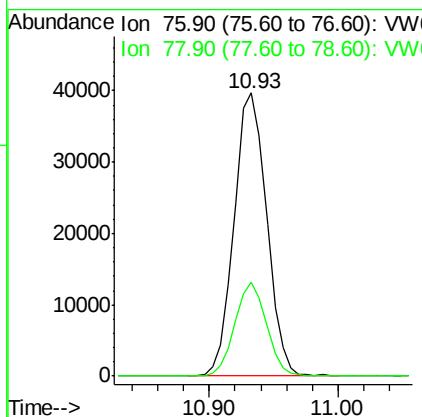
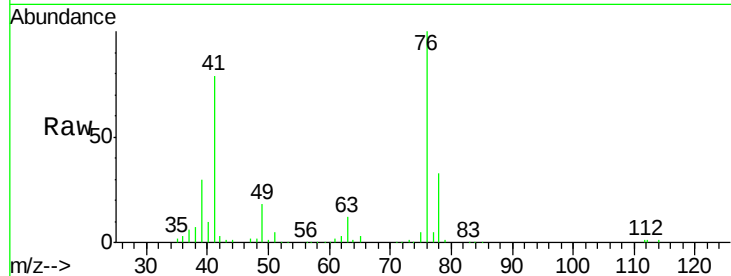
#57
 1,3-Dichloropropane
 Concen: 21.726 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Tot Ion: 76 Resp: 69896
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

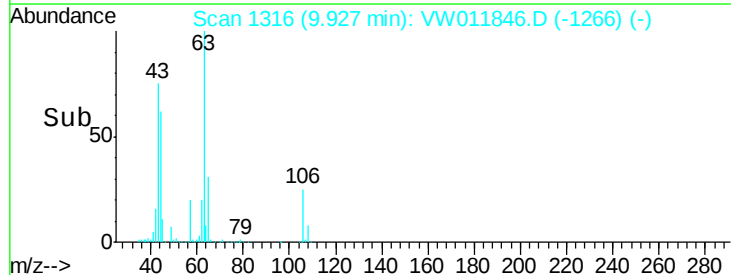
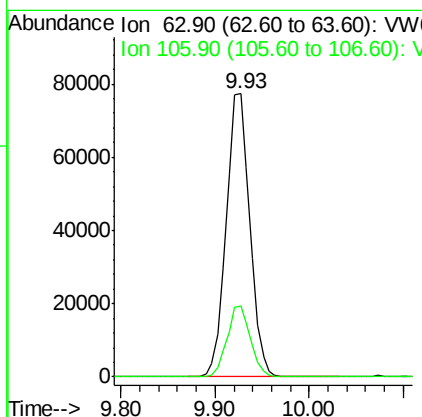
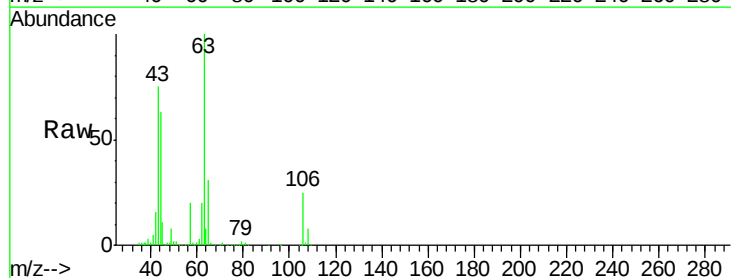
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#58
 2-Chloroethyl Vinyl ether
 Concen: 119.010 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion: 63 Resp: 134458
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5





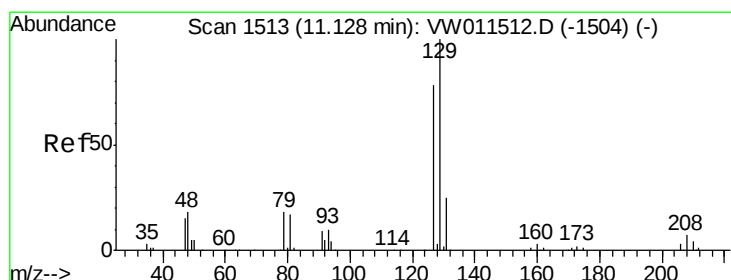
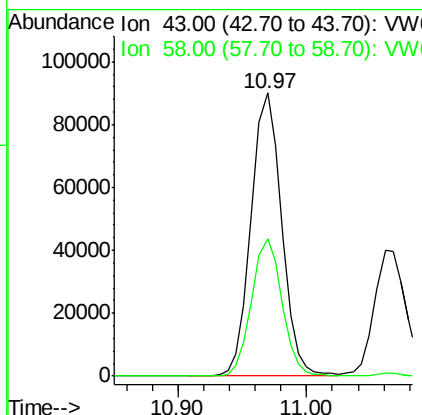
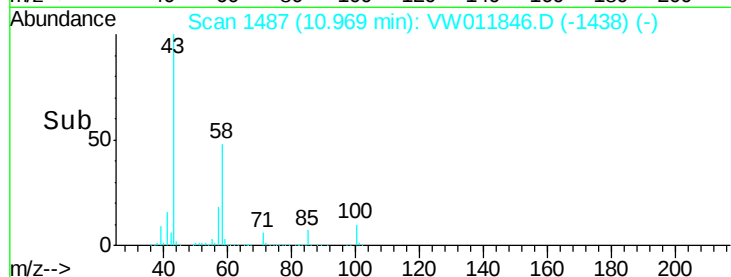
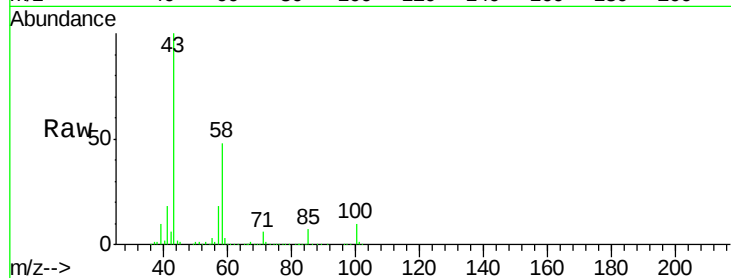
#59
2-Hexanone
Concen: 108.486 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampled :
VW0812SBSD02

Tot Ion: 43 Resp: 147699
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9

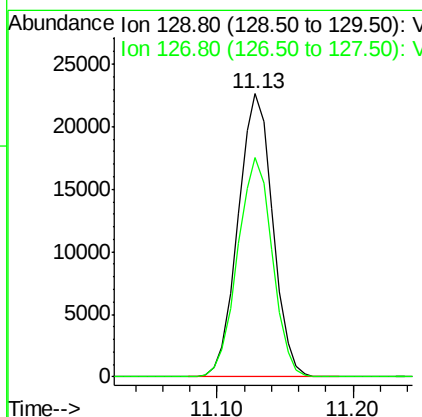
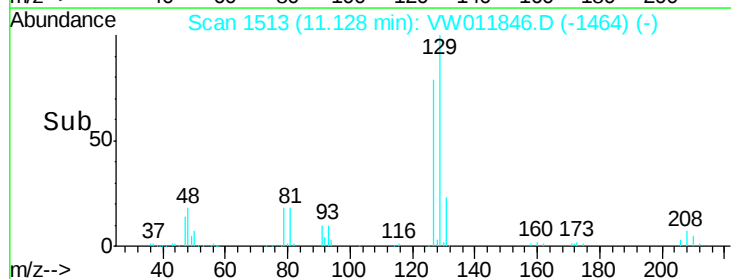
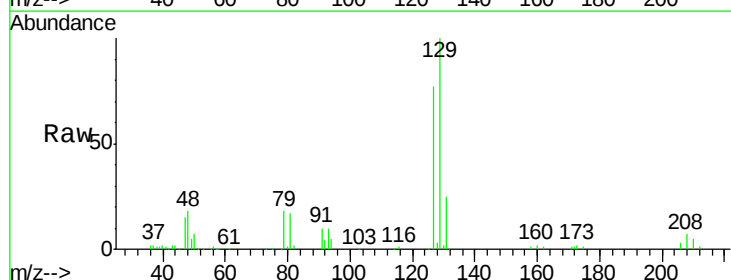
Manual Integrations
APPROVED

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8/13/2019 2:43:40 PM



#60
Dibromochloromethane
Concen: 21.324 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion: 129 Resp: 40250
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





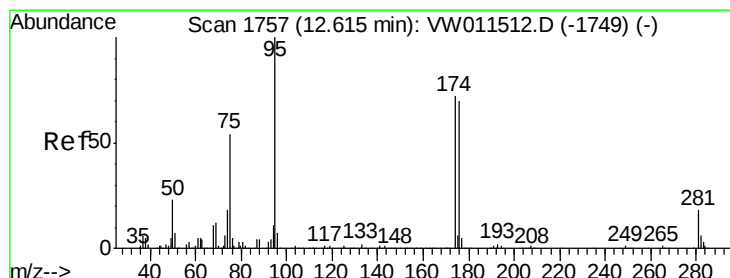
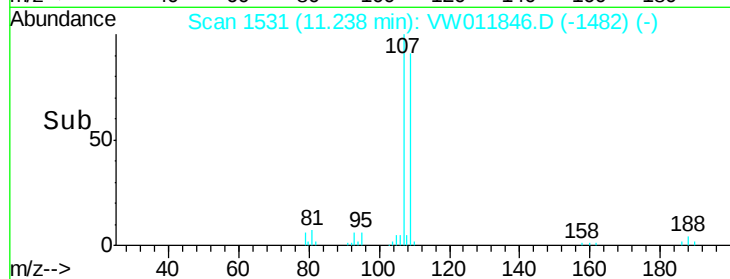
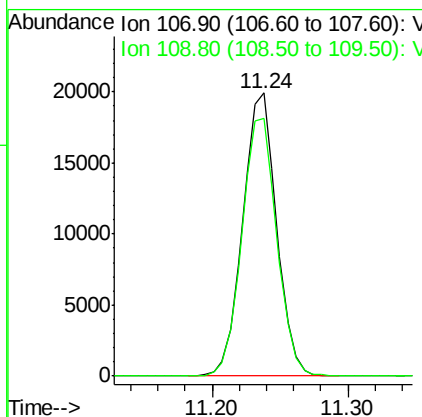
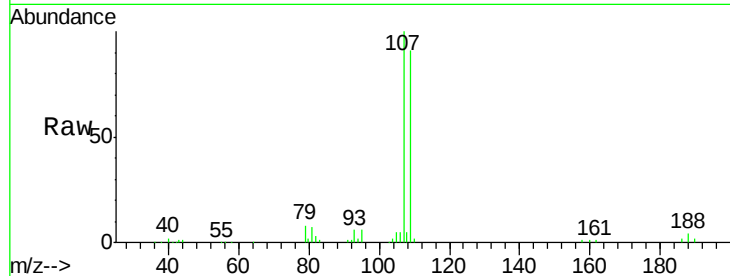
#61
 1,2-Dibromoethane
 Concen: 21.524 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.6

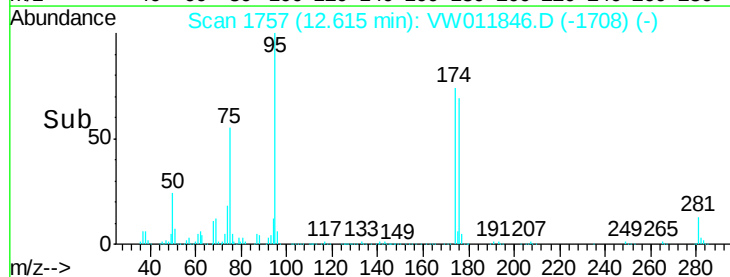
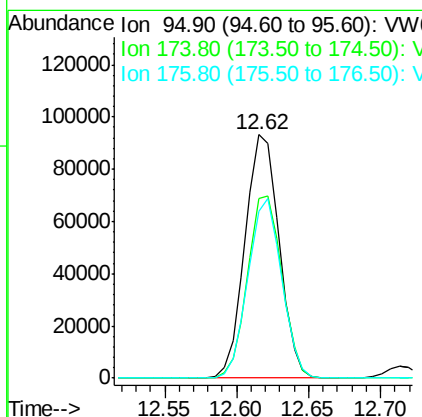
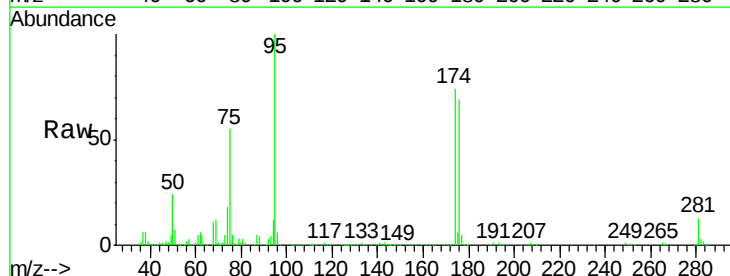
Manual Integrations
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 8/13/2019 2:43:40 PM



#62
 4-Bromofluorobenzene
 Concen: 55.348 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	150.2
176	72.6	0.0	144.4





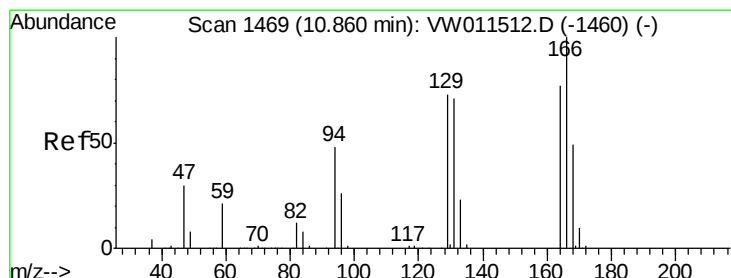
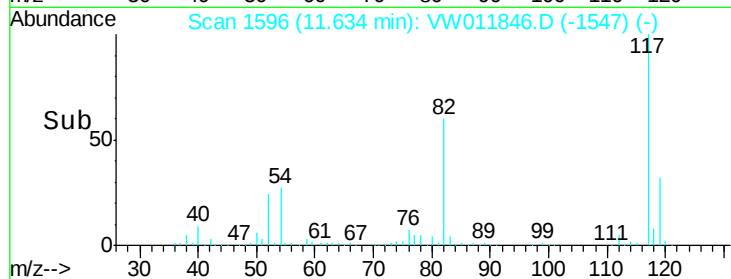
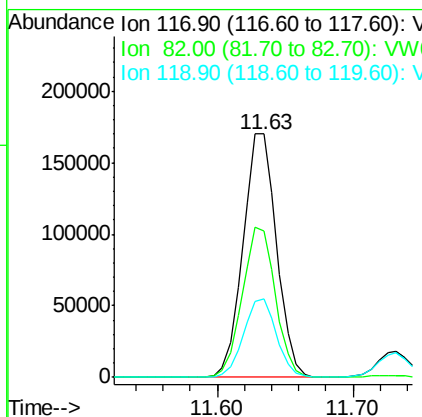
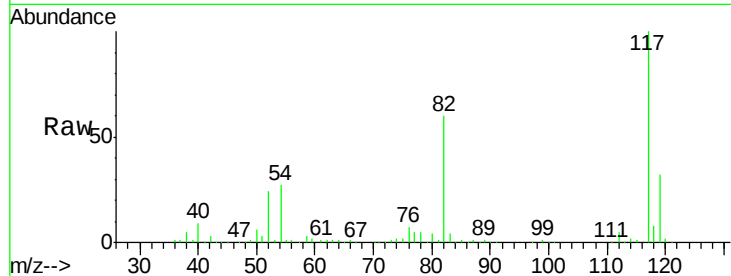
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293207		
82	60.1	47.9	71.9	
119	32.5	26.2	39.2	

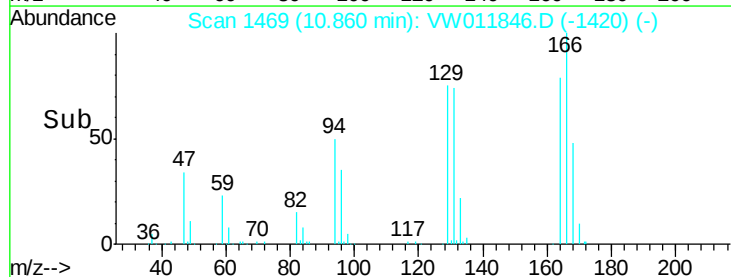
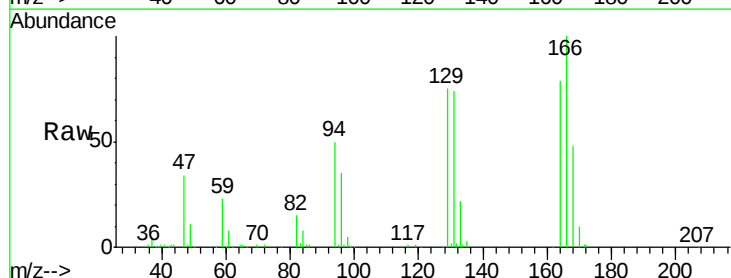
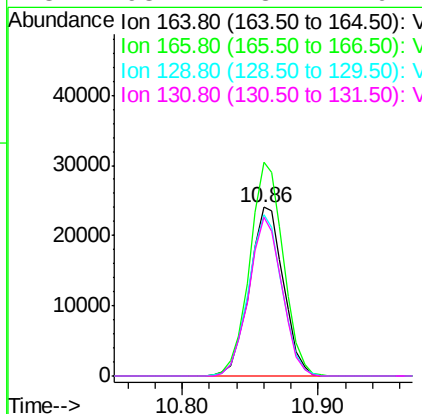
Manual Integrations
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#64
Tetrachloroethene
Concen: 22.097 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42186		
166	126.6	103.5	155.3	
129	95.3	75.2	112.8	
131	93.7	73.4	110.2	





#65

Chlorobenzene

Concen: 21.500 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion:112 Resp: 126740

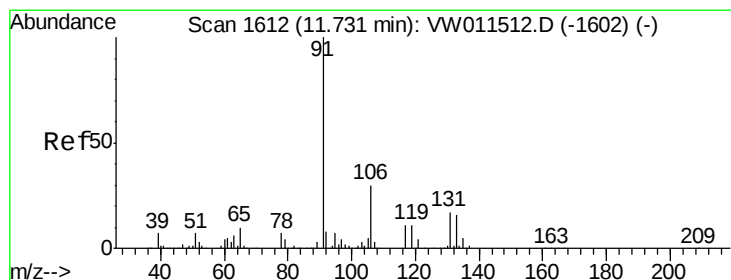
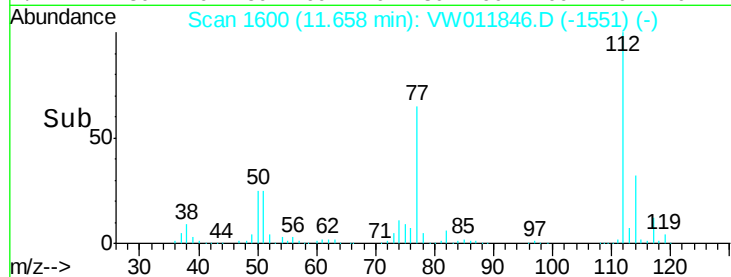
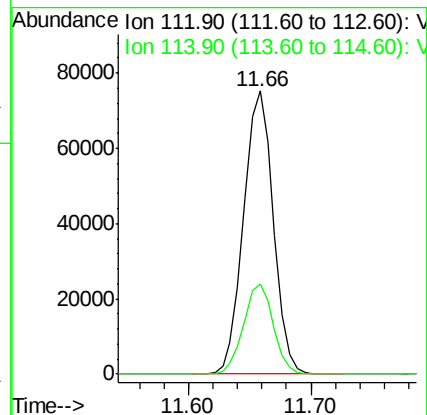
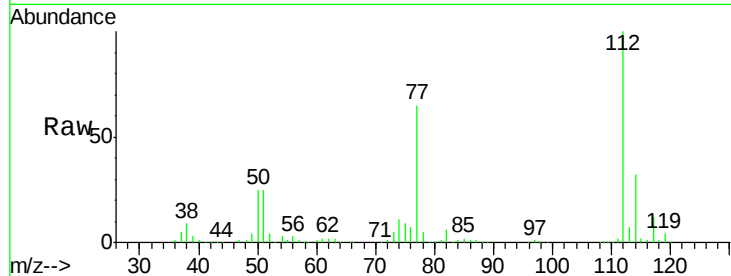
Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.572 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

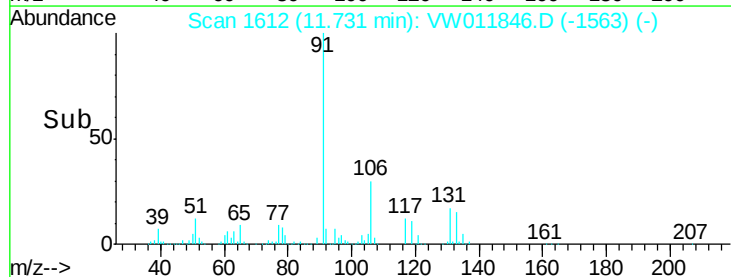
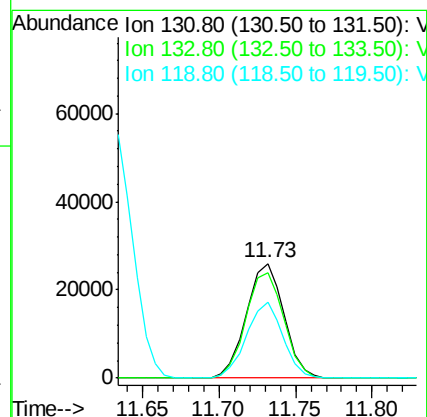
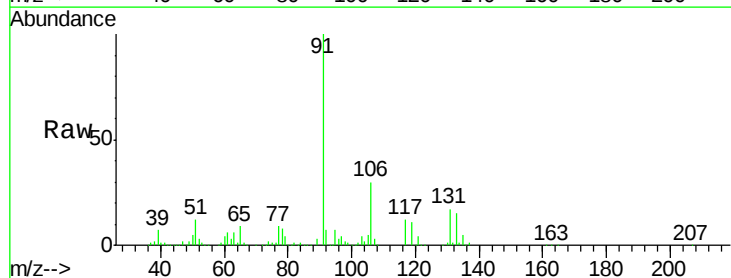
Tgt Ion:131 Resp: 44294

Ion Ratio Lower Upper

131 100

133 93.6 47.4 142.2

119 64.2 32.3 96.9





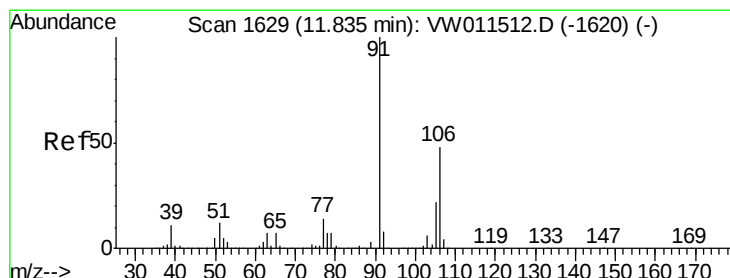
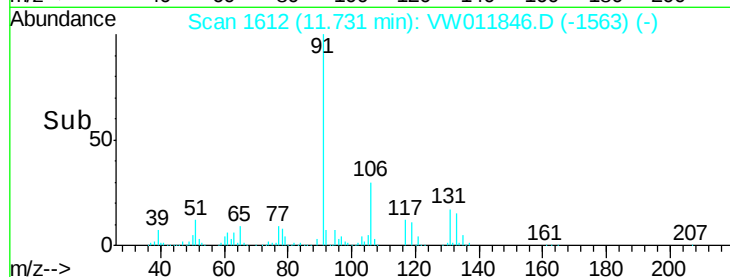
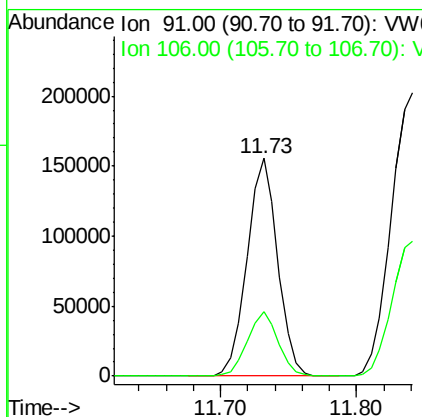
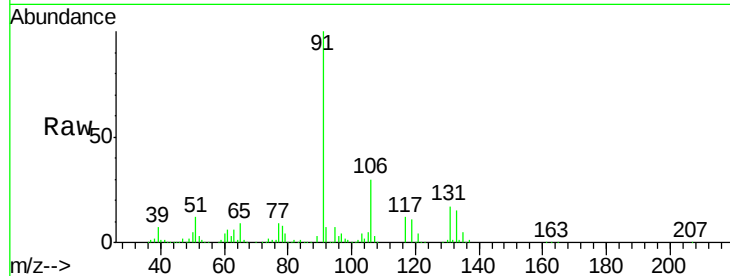
#67
Ethyl Benzene
Concen: 21.758 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion: 91 Resp: 244277
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

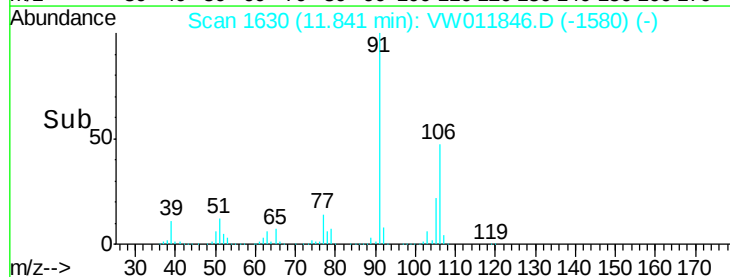
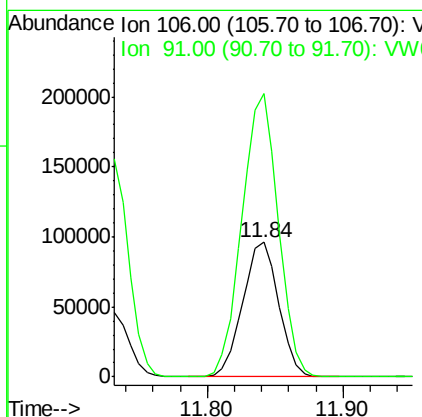
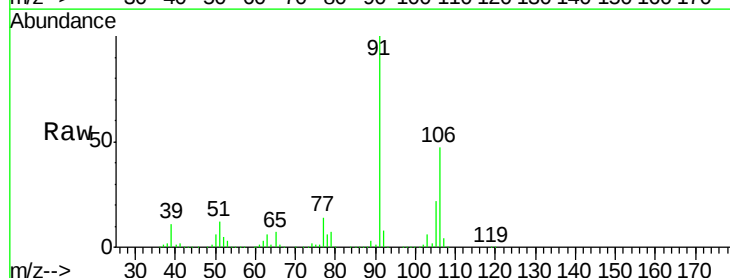
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#68
m/p-Xylenes
Concen: 43.642 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion: 106 Resp: 178185
Ion Ratio Lower Upper
106 100
91 211.7 168.2 252.2





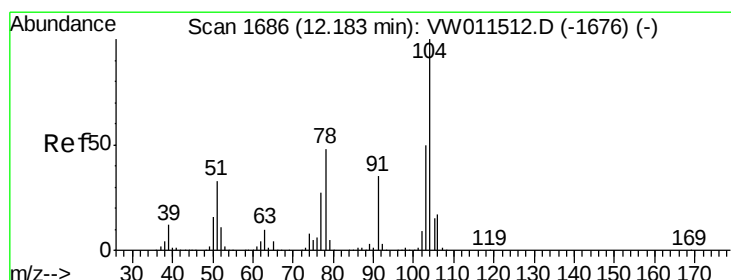
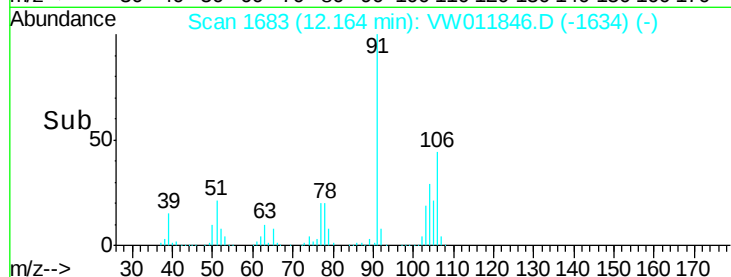
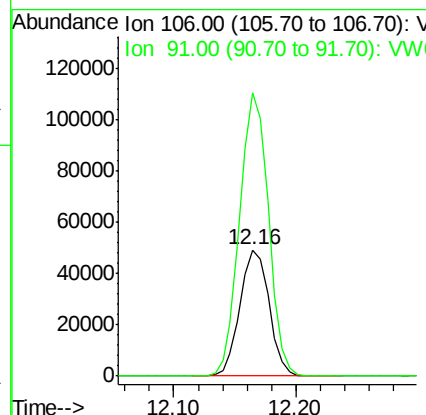
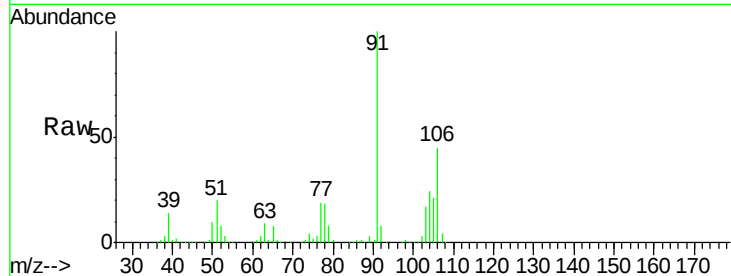
#69
o-Xylene
Concen: 21.438 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		81338		
91	222.6	110.5	331.5		

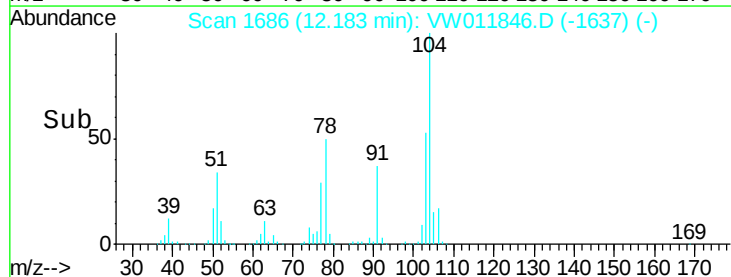
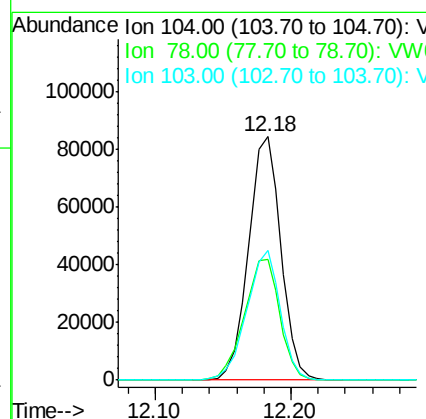
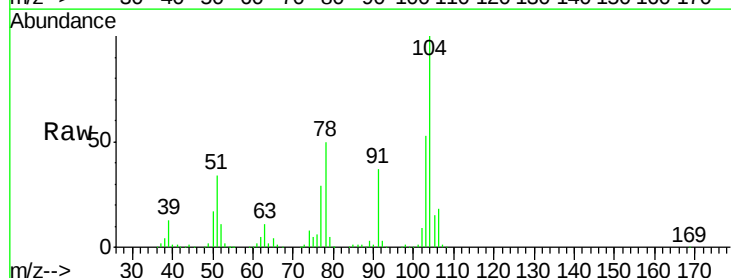
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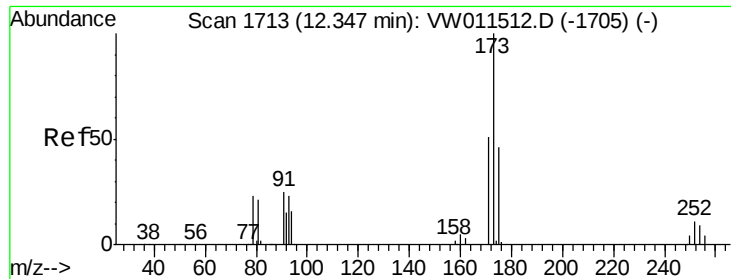
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#70
Styrene
Concen: 21.477 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		140889		
78	54.3	43.4	65.0		
103	55.1	43.9	65.9		





#71

Bromoform

Concen: 21.589 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion:173 Resp: 22602

Ion Ratio Lower Upper

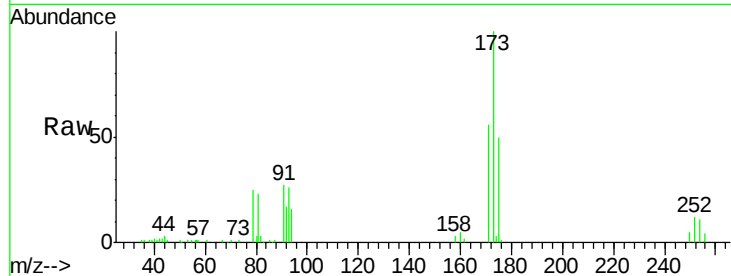
173 100

175 48.0 23.6 71.0

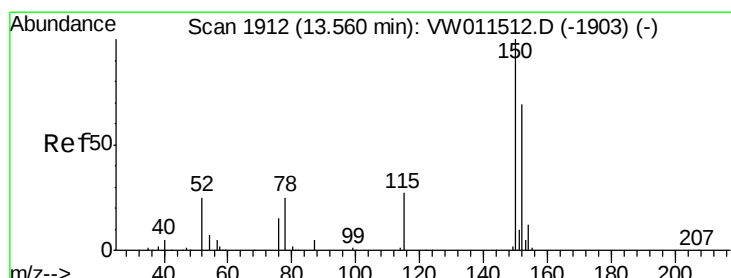
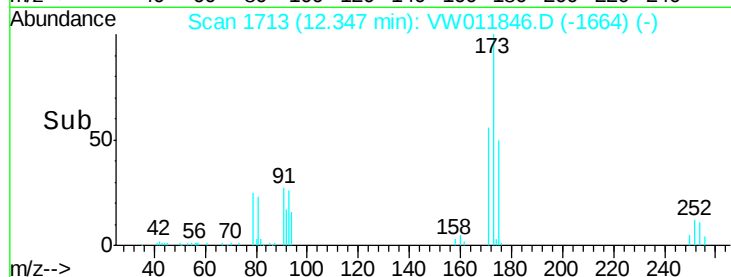
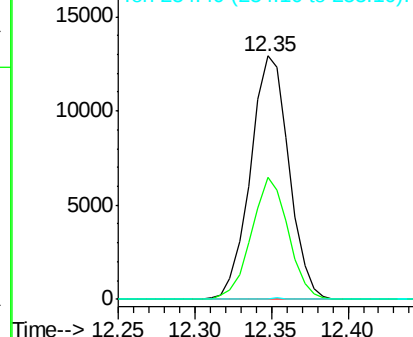
254 0.1 0.1 0.1

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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: VW011846.D

Acq: 12 Aug 2019 12:41

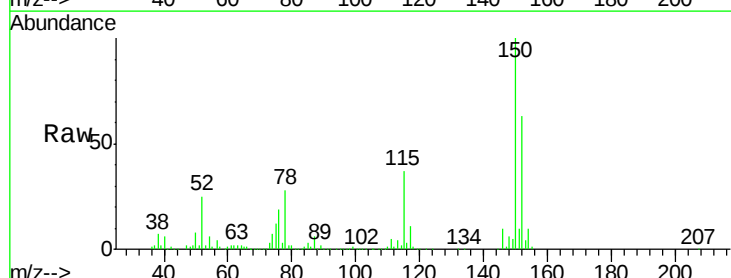
Tgt Ion:152 Resp: 144008

Ion Ratio Lower Upper

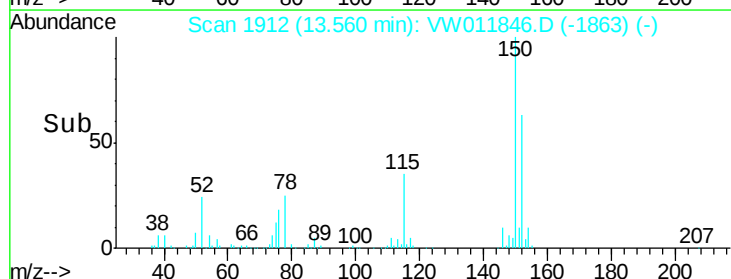
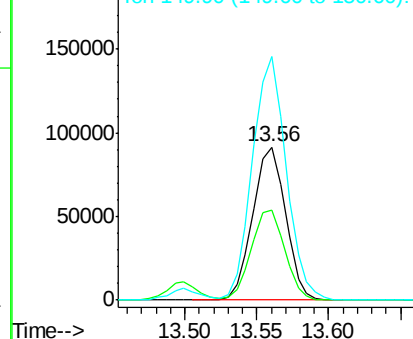
152 100

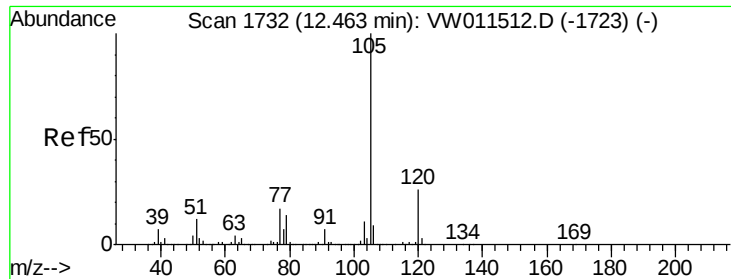
115 60.1 30.5 91.5

150 164.0 0.0 352.6



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





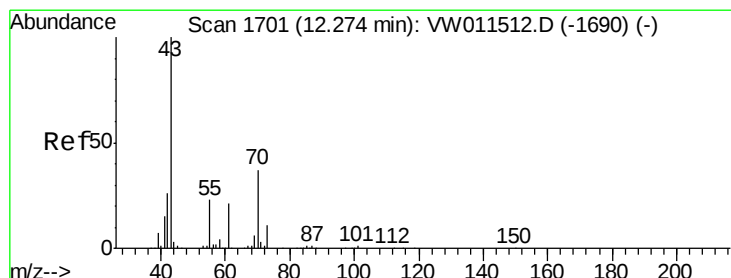
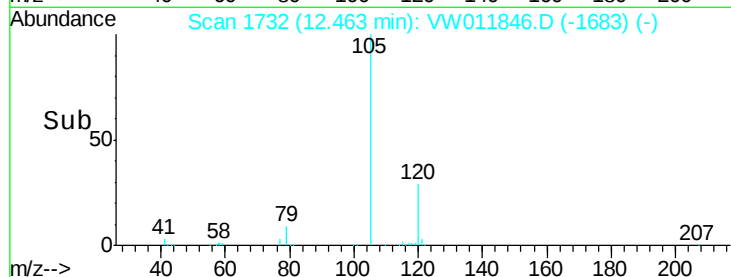
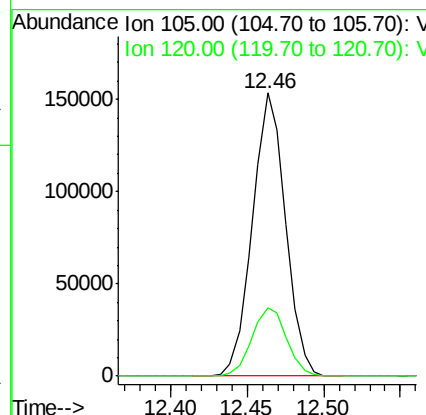
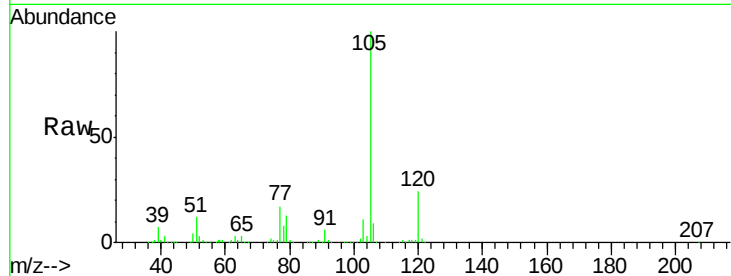
#73
Isopropylbenzene
Concen: 21.472 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

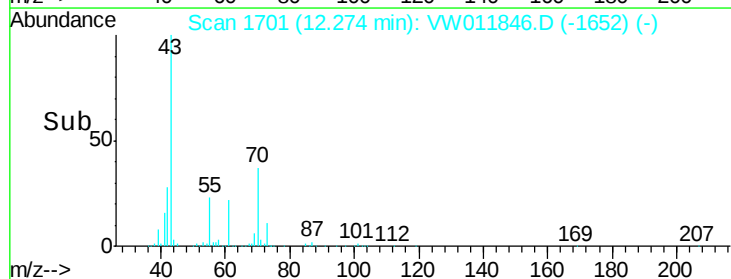
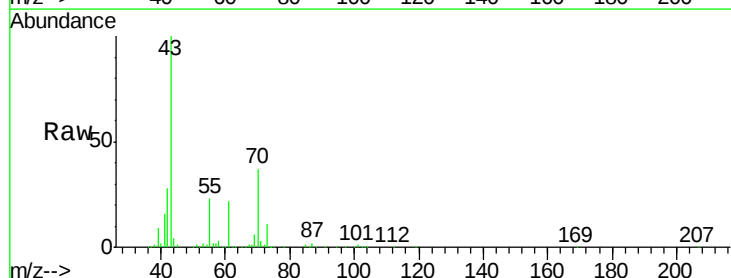
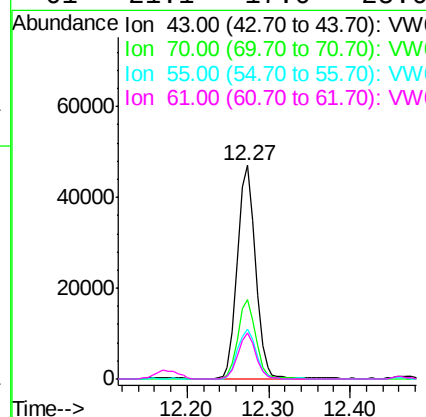
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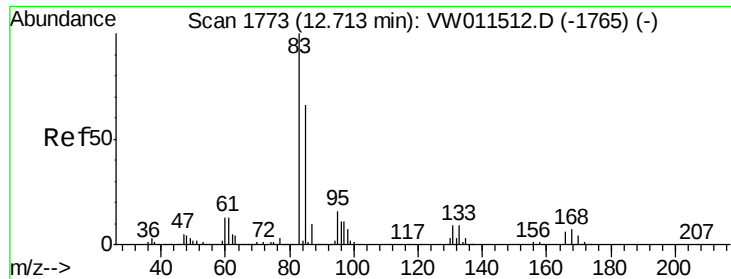
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#74
N-ethyl acetate
Concen: 21.293 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	28.6	43.0
55	23.9	17.8	26.8
61	21.1	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.058 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

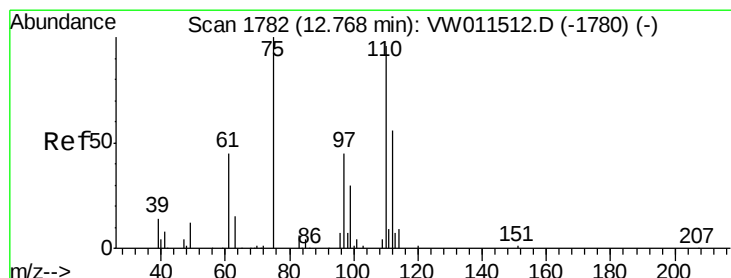
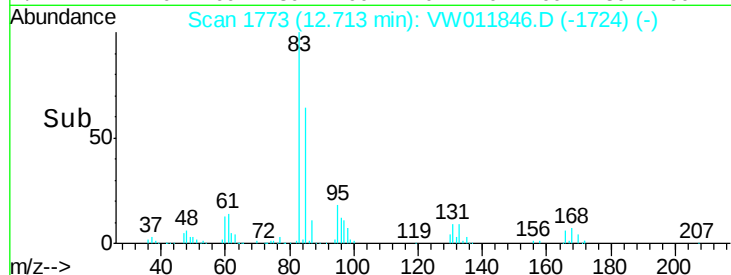
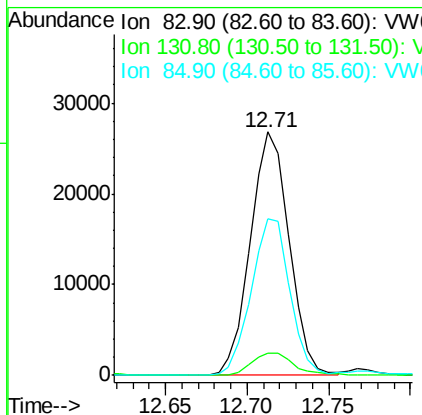
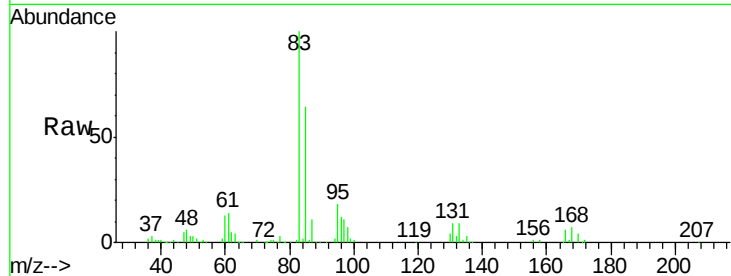
ClientSampleId :

VW0812SBSD02

Tot Ion:	83	Resp:	44575
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.286 ug/l m

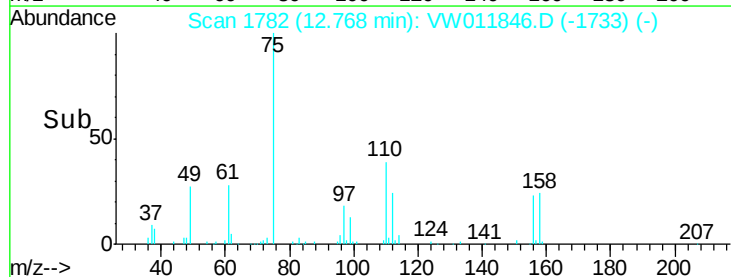
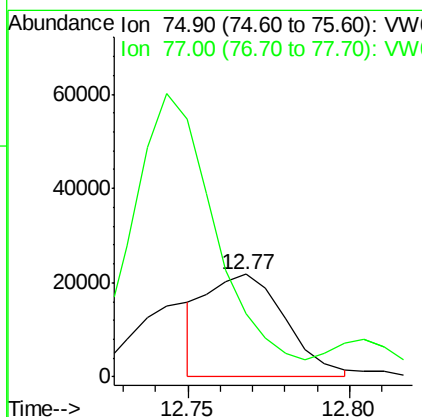
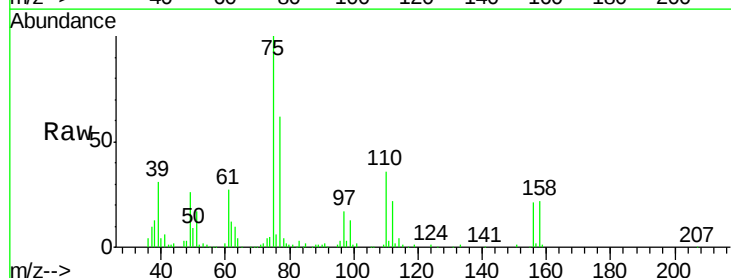
RT: 12.77 min Scan# 1782

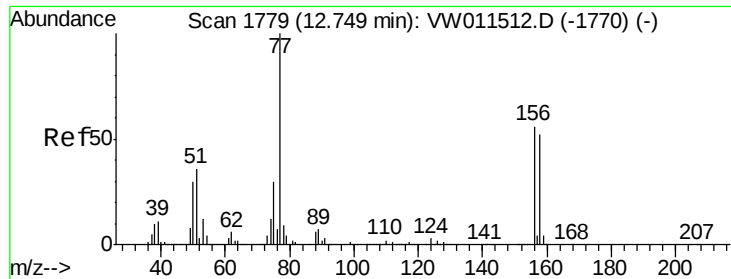
Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion:	75	Resp:	37007
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





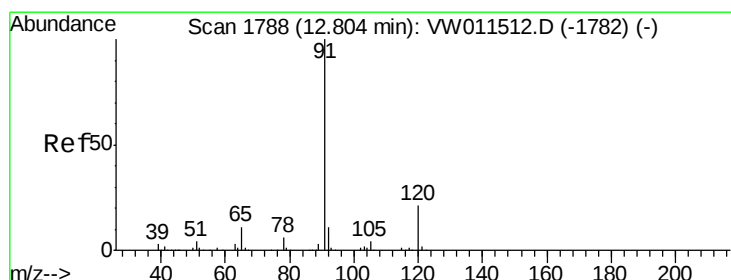
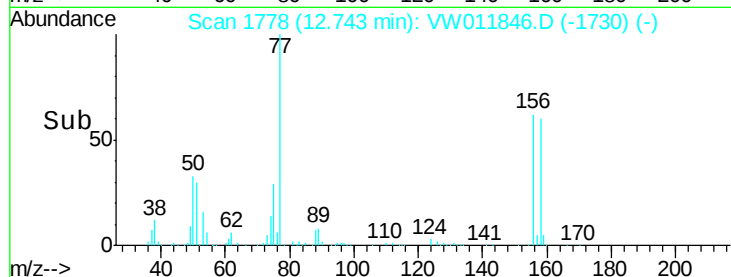
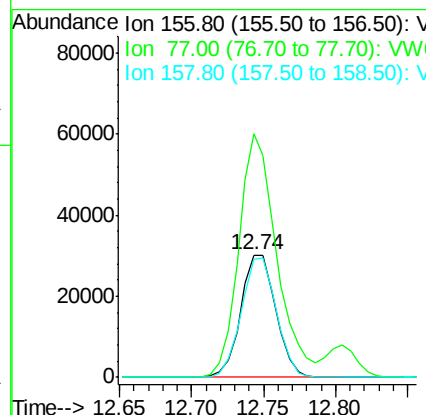
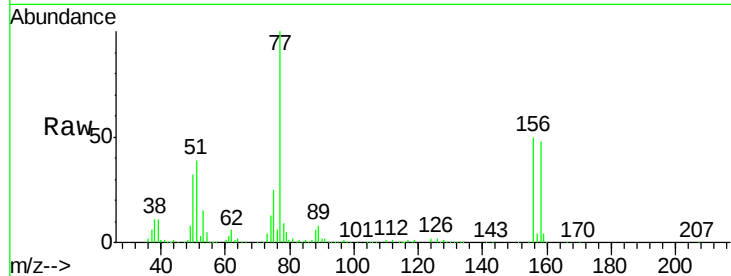
#77
Bromobenzene
Concen: 21.519 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	214.5	106.5	319.4	
158	97.4	48.0	144.2	

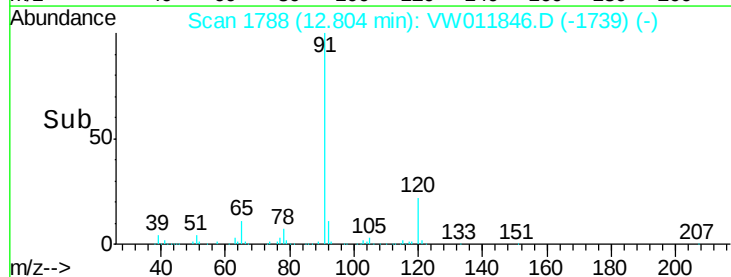
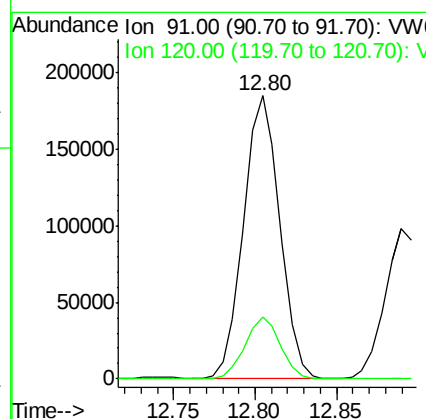
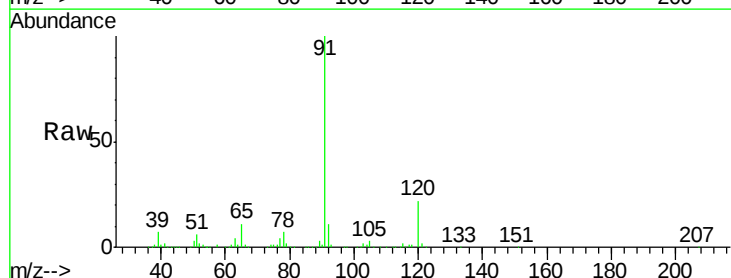
Manual Integrations
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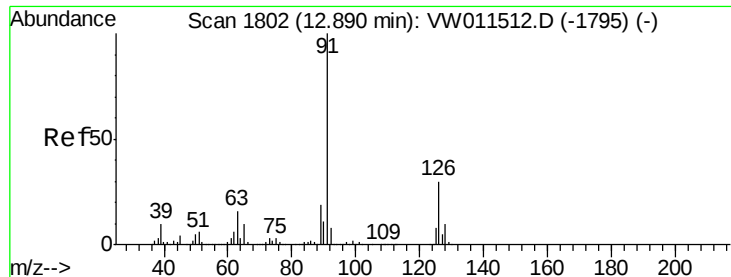
MMDadoda
8/13/2019 2:43:40 PM



#78
n-propylbenzene
Concen: 21.849 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.3	10.9	32.7	





#79

2-Chlorotoluene

Concen: 21.173 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

ClientSampleId :

VW0812SBSD02

Tot Ion: 91 Resp: 159481

Ion Ratio Lower Upper

91 100

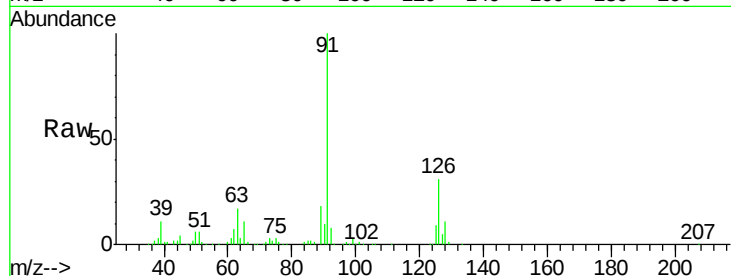
126 31.7 15.7 47.1

Manual Integrations

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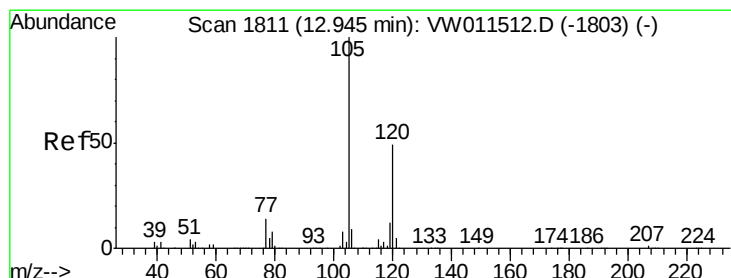
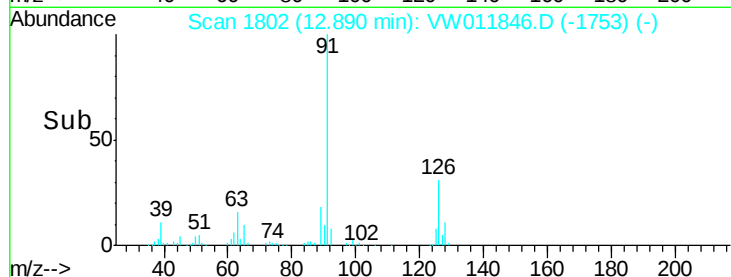
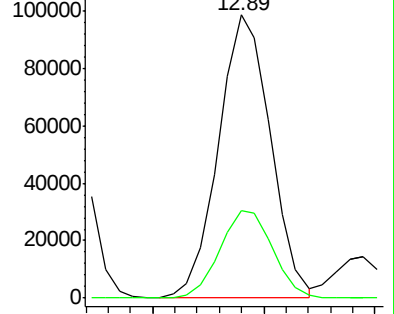
MMDadoda

8/13/2019 2:43:40 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.900 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011846.D

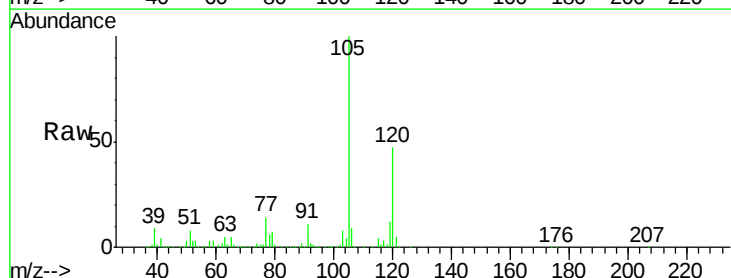
Acq: 12 Aug 2019 12:41

Tgt Ion: 105 Resp: 197225

Ion Ratio Lower Upper

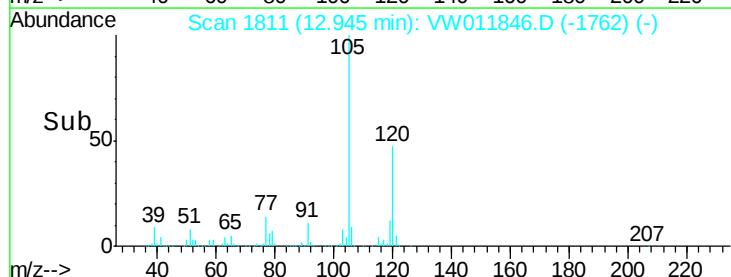
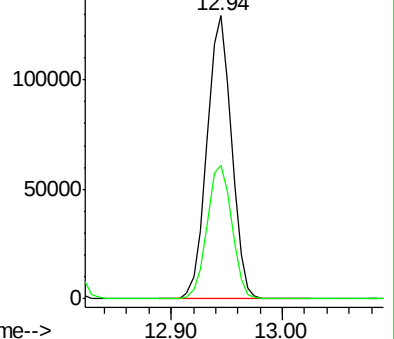
105 100

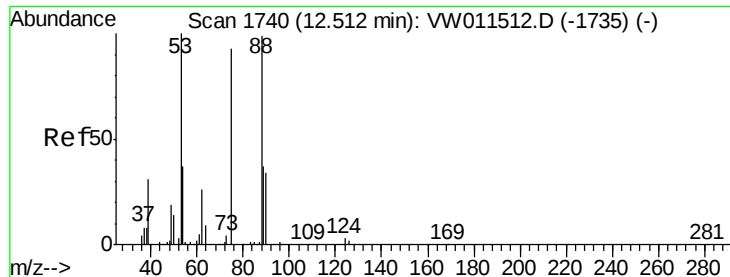
120 47.6 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





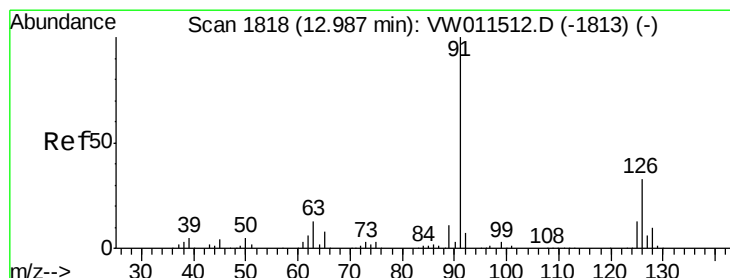
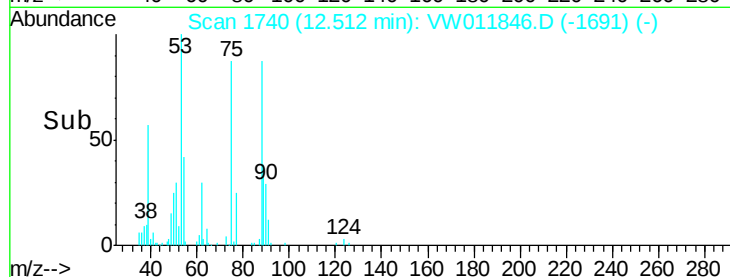
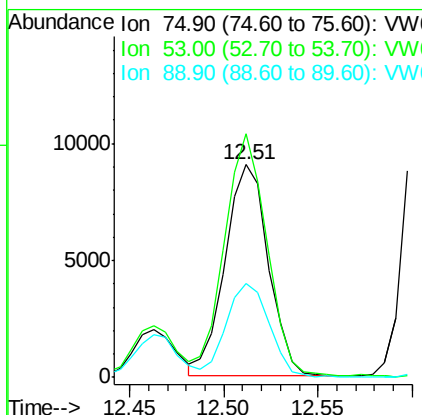
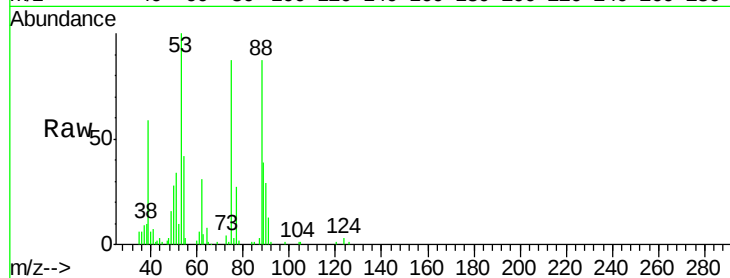
#81
trans-1,4-Dichloro-2-butene
Concen: 21.733 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.8	88.0	132.0
89	44.5	35.3	52.9

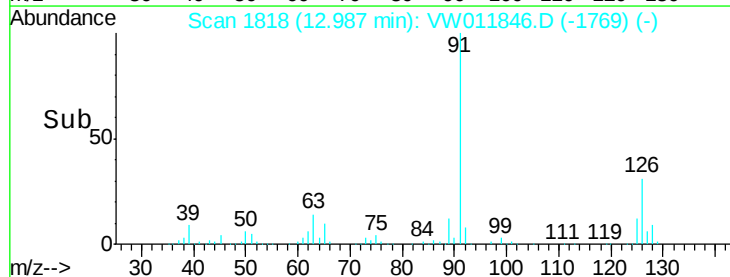
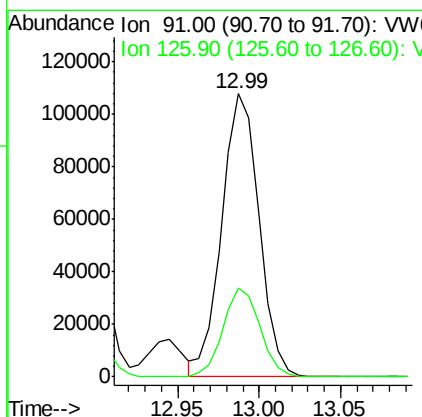
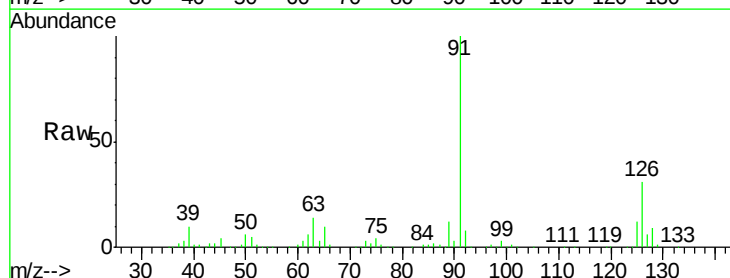
Manual Integrations
APPROVED

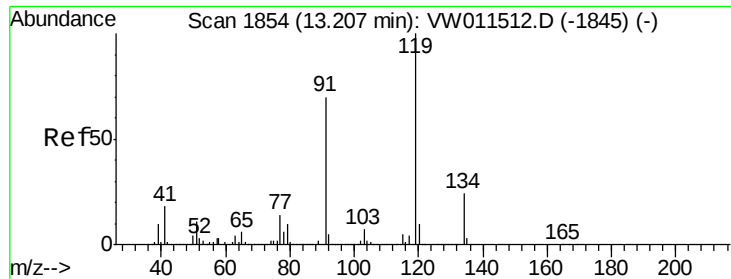
MMDadoda
8/13/2019 2:43:40 PM



#82
4-Chlorotoluene
Concen: 21.662 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





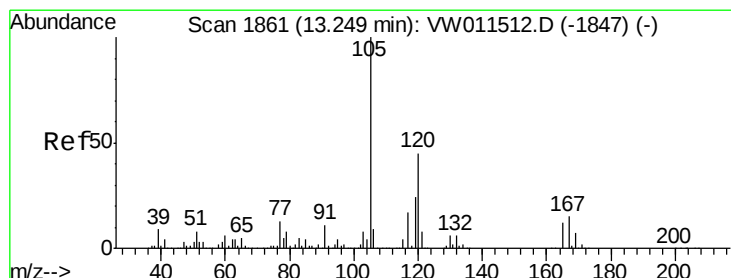
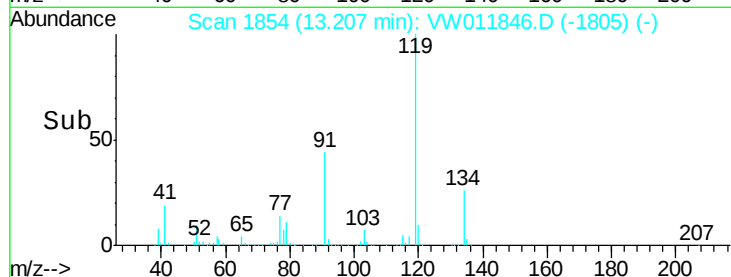
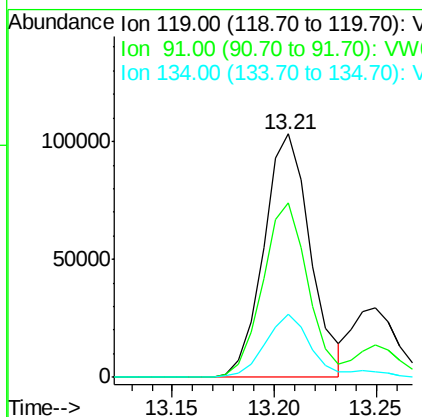
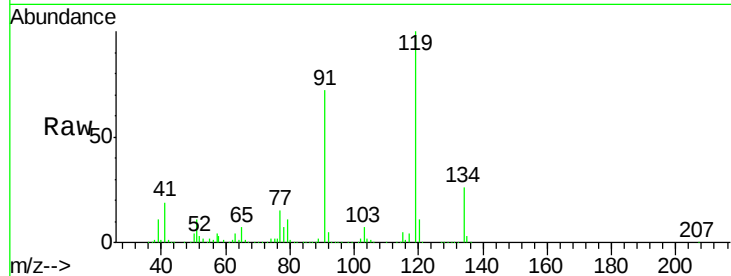
#83
tert-Butylbenzene
Concen: 21.821 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	164333		
91	69.4	34.5	103.6	
134	25.0	12.4	37.4	

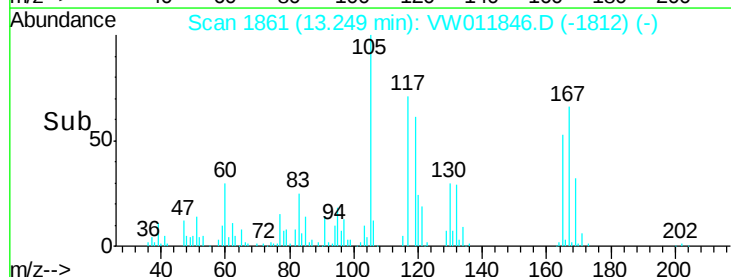
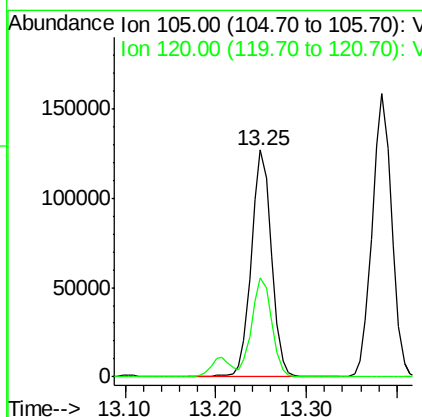
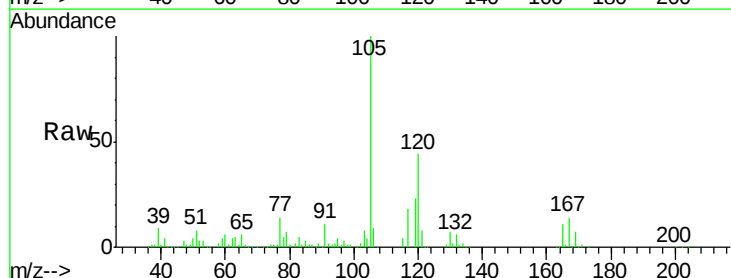
Manual Integrations
APPROVED

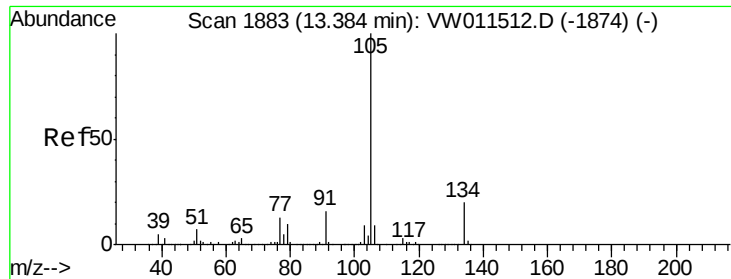
MMDadoda
8/13/2019 2:43:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.513 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	195164		
120	43.2	22.1	66.5	





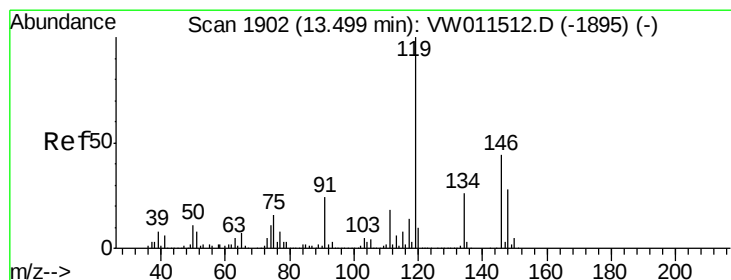
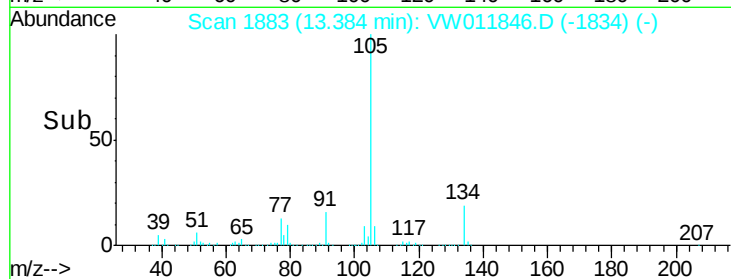
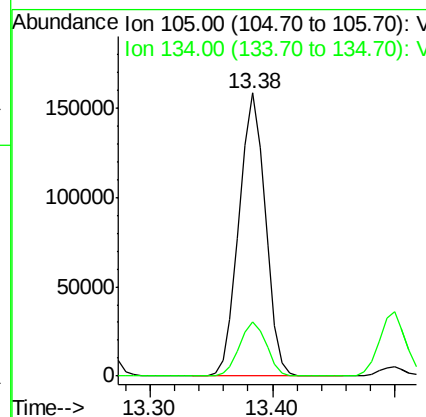
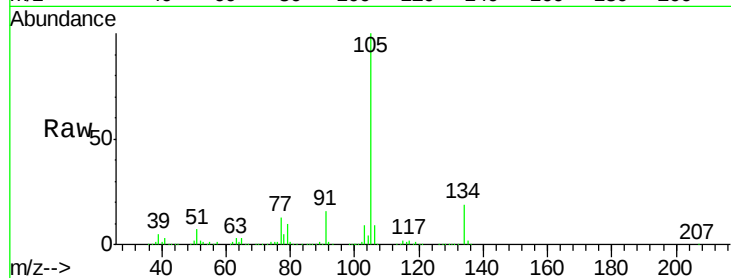
#85
 sec-Butylbenzene
 Concen: 22.006 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	236466		
134	19.6	9.7	29.1	

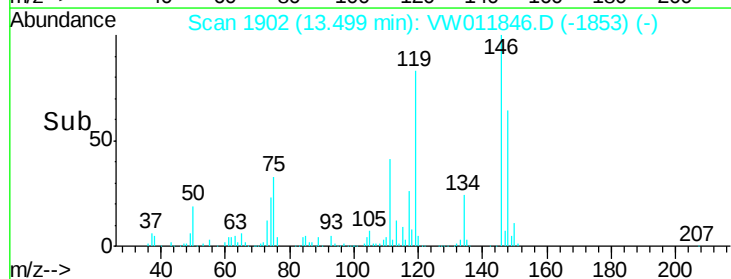
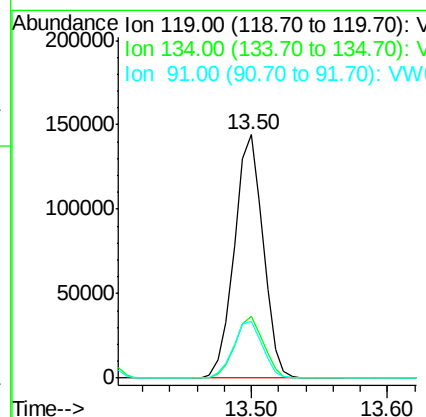
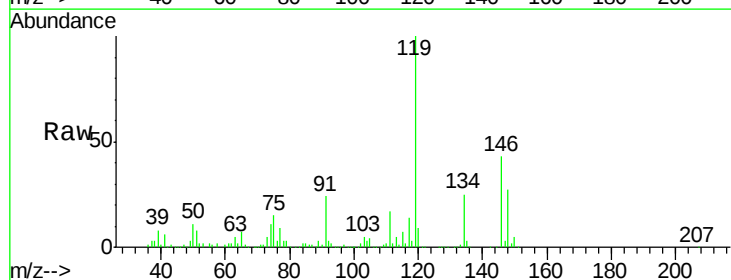
Manual Integrations
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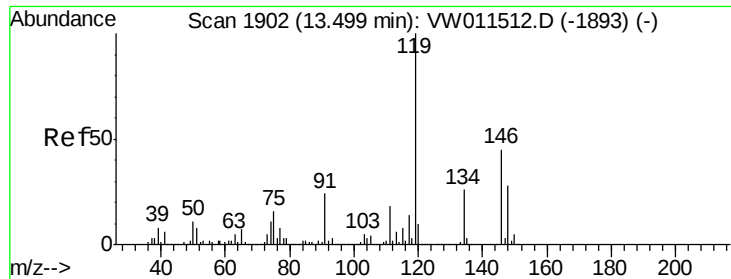
MMDadoda
 8/13/2019 2:43:40 PM



#86
 p-Isopropyltoluene
 Concen: 21.644 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	211025		
134	25.6	12.8	38.4	
91	23.9	12.1	36.3	





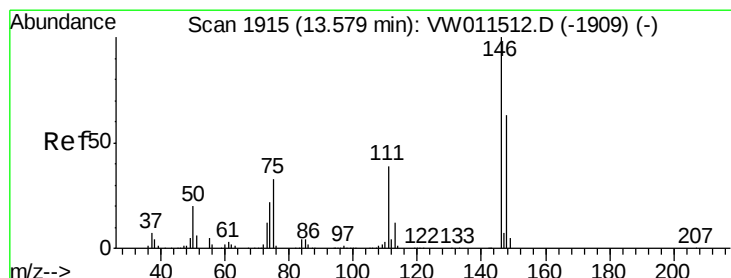
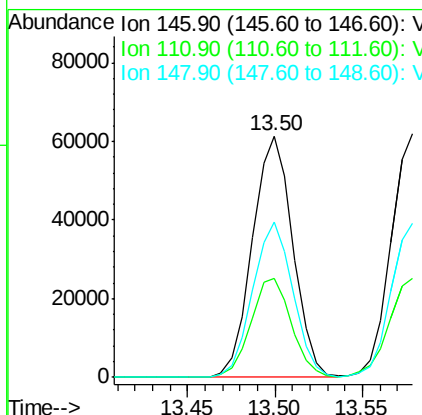
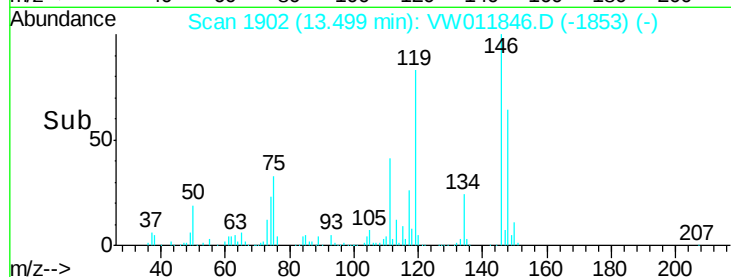
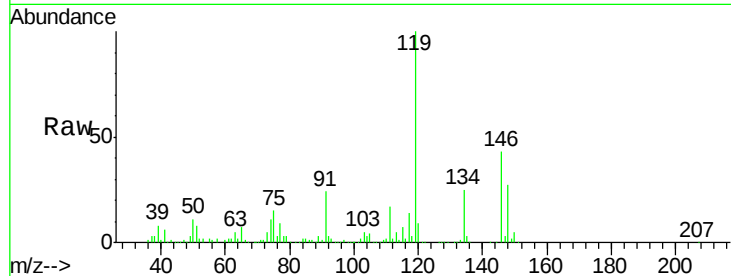
#87
 1,3-Dichlorobenzene
 Concen: 21.342 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	99370		
111	41.3	20.5	61.6	
148	63.8	31.8	95.3	

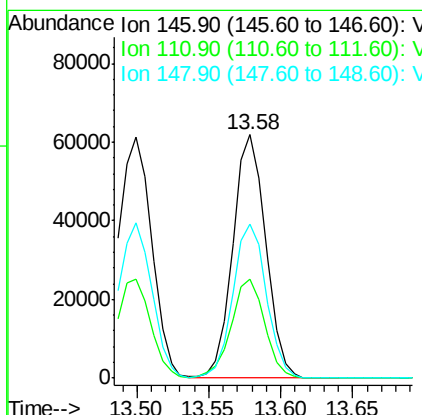
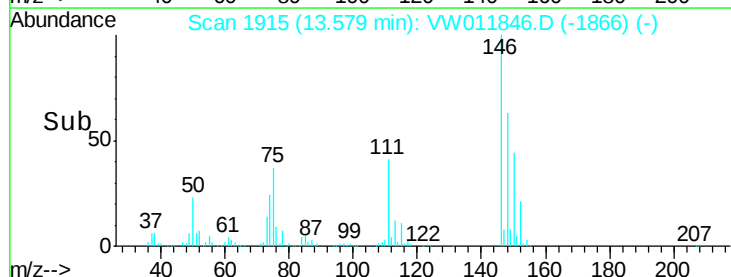
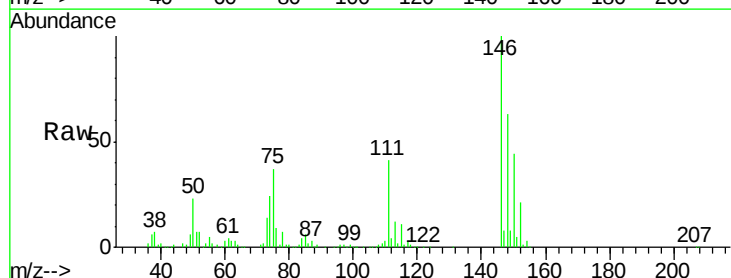
Manual Integrations
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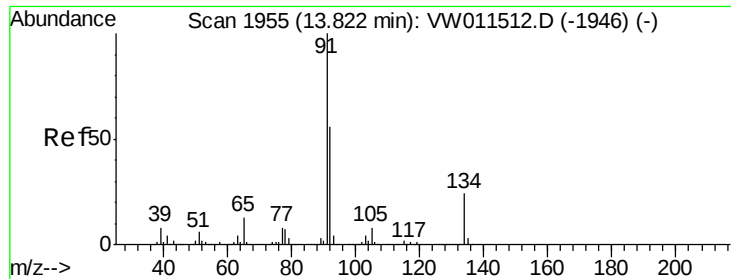
MMDadoda
 8/13/2019 2:43:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.338 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	98830		
111	41.8	20.1	60.2	
148	64.3	31.9	95.9	





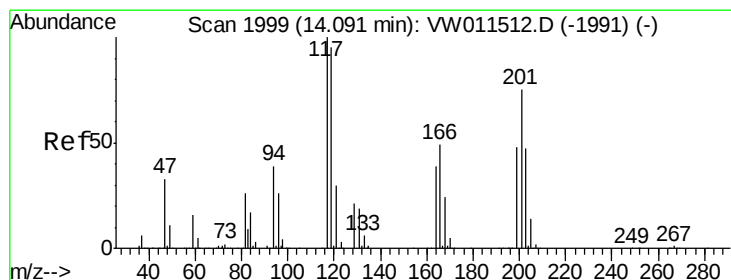
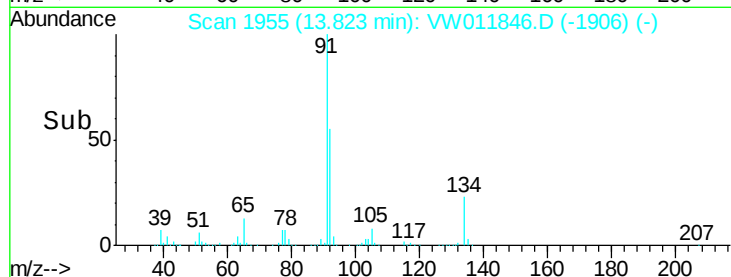
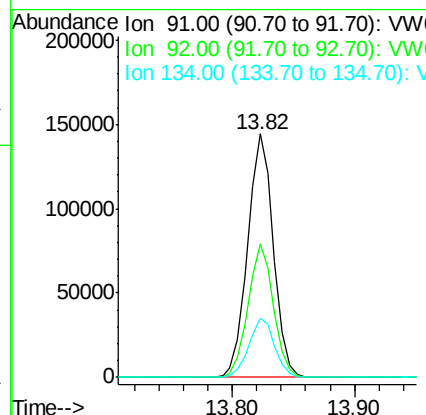
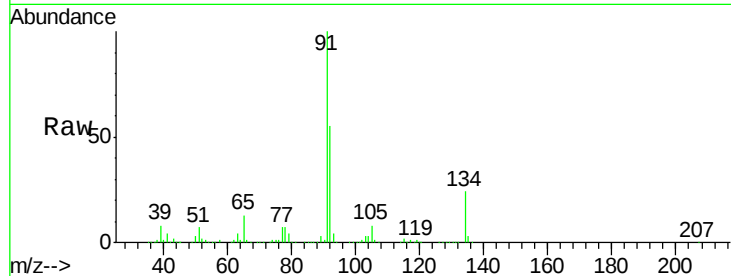
#89
n-Butylbenzene
Concen: 21.551 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Instrument :
MSVOA_W
ClientSampleId :
VW0812SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	209684		
92	54.0		27.5	82.4
134	24.2		12.2	36.6

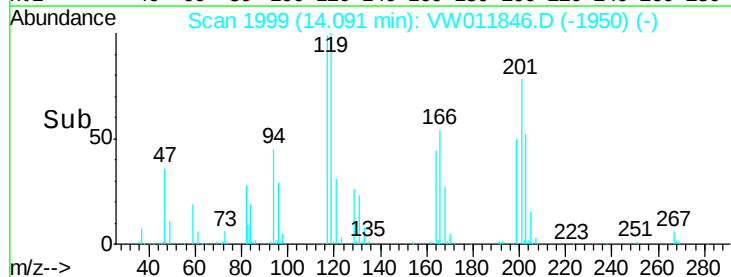
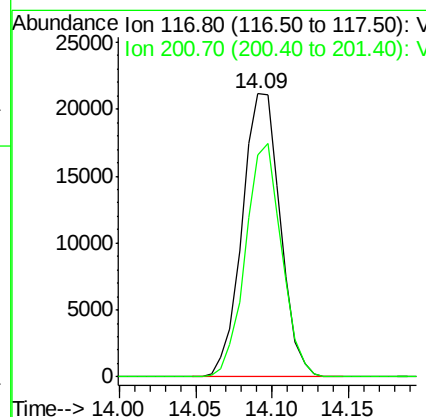
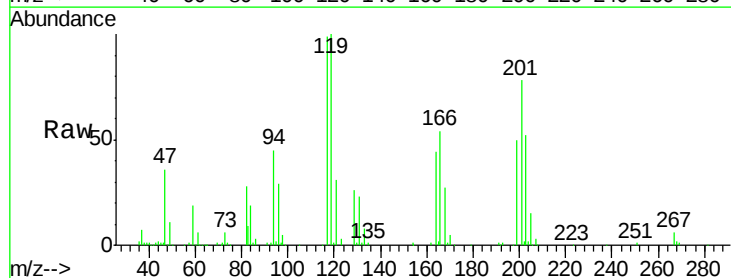
Manual Integrations
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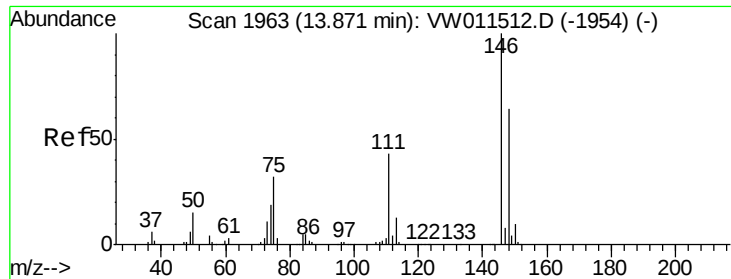
MMDadoda
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#90
Hexachloroethane
Concen: 21.230 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW011846.D
Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36601		
201	78.2		39.4	118.2





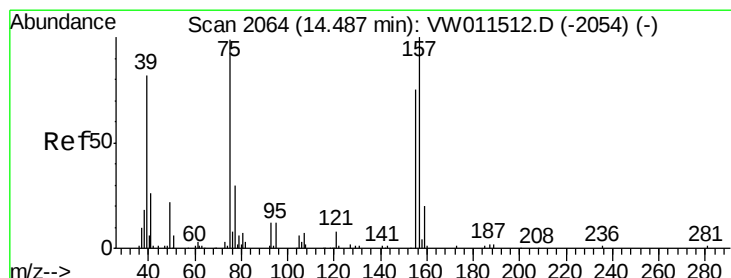
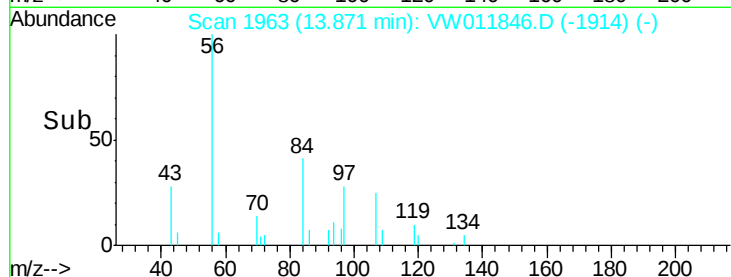
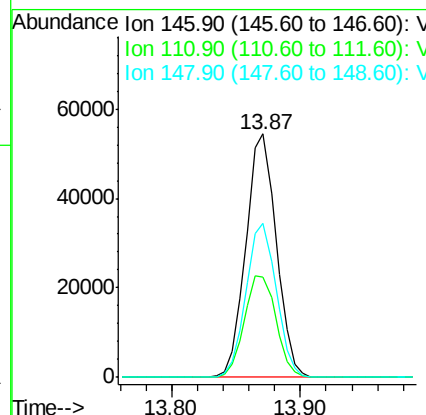
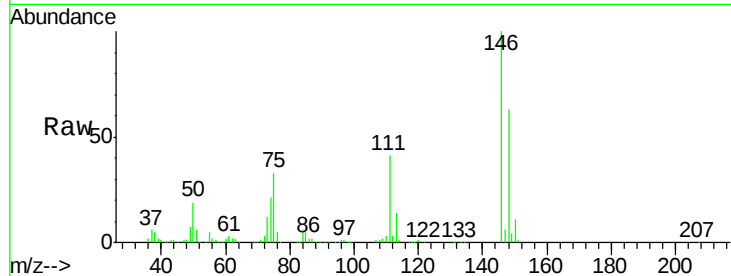
#91
 1,2-Dichlorobenzene
 Concen: 21.484 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	63.3	32.0	96.2

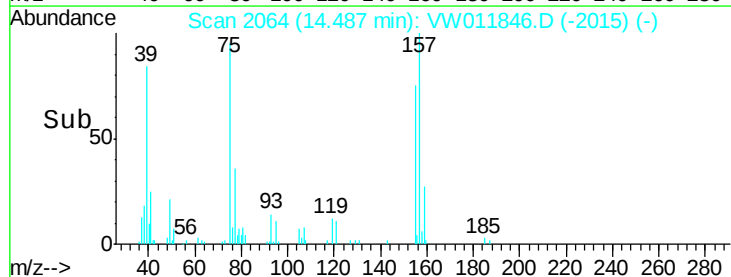
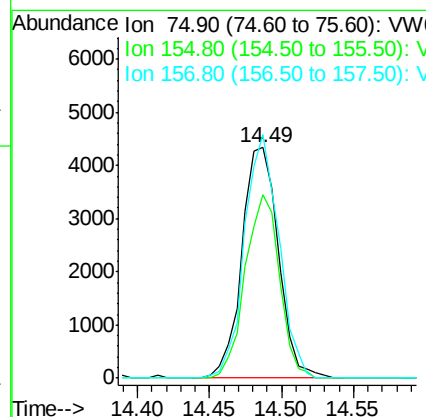
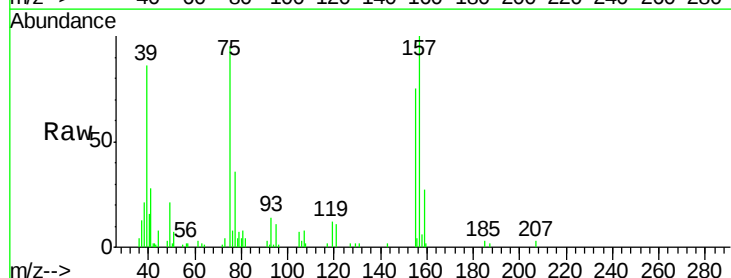
Manual Integrations
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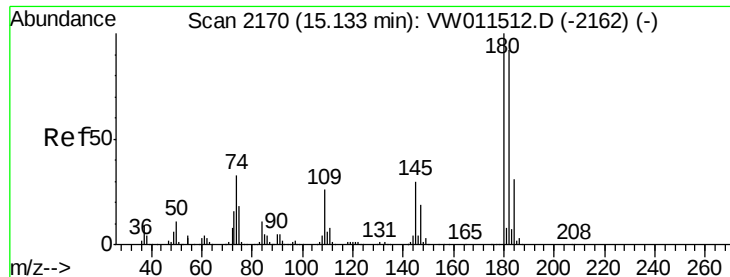
MMDadoda
 8/13/2019 2:43:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.159 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	38.2	114.6
157	99.4	48.9	146.7





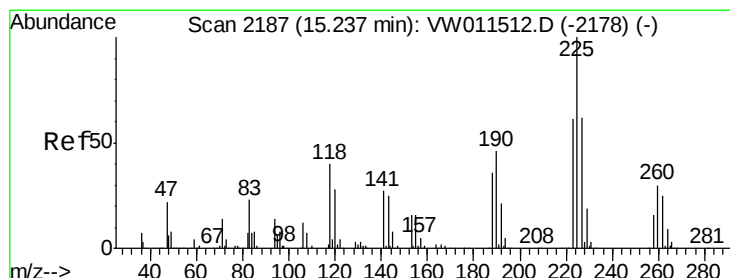
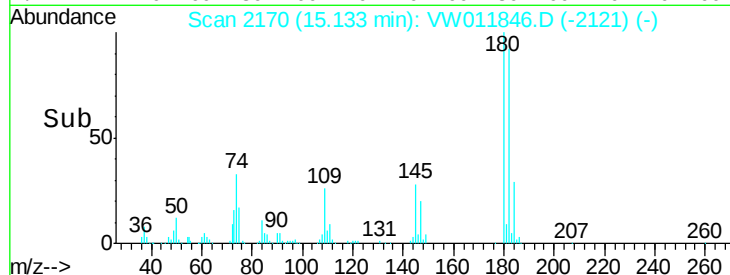
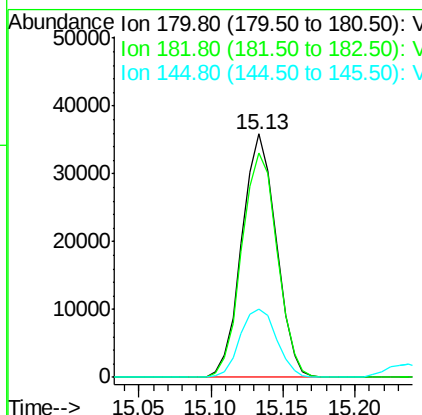
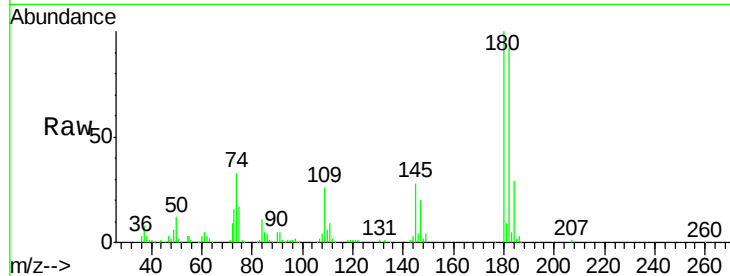
#93
 1,2,4-Trichlorobenzene
 Concen: 20.535 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59598		
182	94.4		47.4	142.2
145	29.9		15.4	46.1

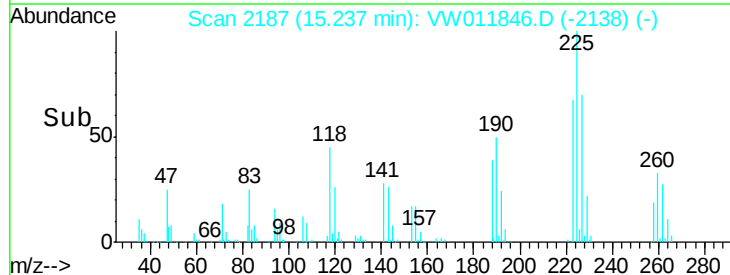
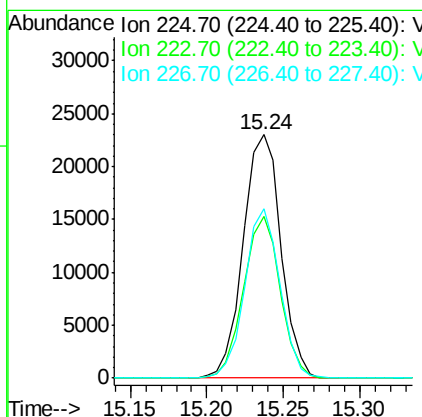
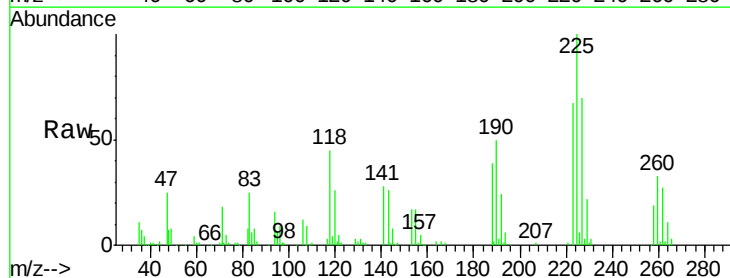
Manual Integrations
 APPROVED

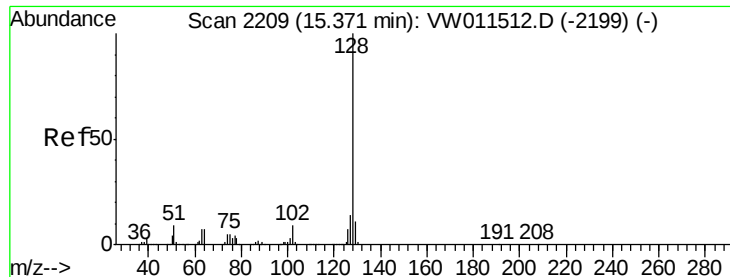
MMDadoda
 8/13/2019 2:43:40 PM



#94
 Hexachlorobutadiene
 Concen: 21.831 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011846.D
 Acq: 12 Aug 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39513		
223	64.3		30.8	92.3
227	64.7		31.6	94.7





#95

Naphthalene

Concen: 19.930 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Instrument :

MSVOA_W

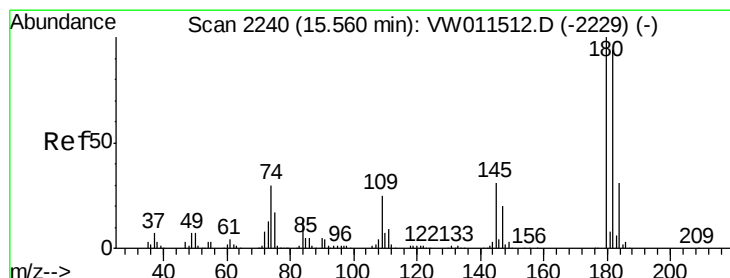
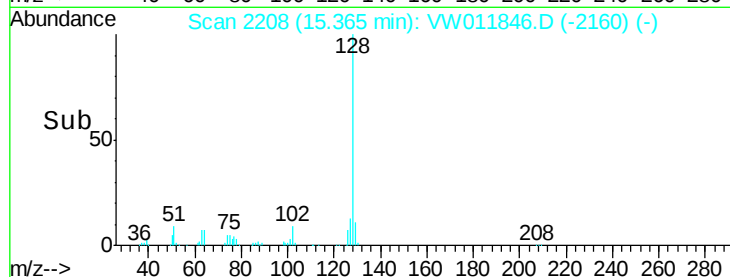
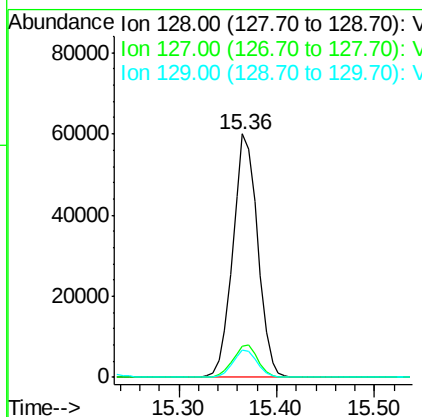
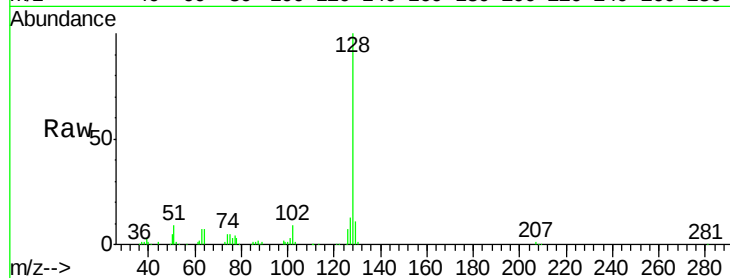
ClientSampleId :

VW0812SBSD02

Tot Ion:	128	Resp:	105935
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/13/2019 2:43:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.559 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011846.D

Acq: 12 Aug 2019 12:41

Tgt Ion:	180	Resp:	52302
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.4	142.2
145	31.9	15.9	47.7

