

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081719\
 Data File : VW011953.D
 Acq On : 16 Aug 2019 10:08
 Operator : SY/VA
 Sample : VW0817SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:55:15 AM

Quant Time: Aug 17 05:08:16 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	238938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	374784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135490	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	7.88	113	110380	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.32	98	446734	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.62	95	156549	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30386	22.818	ug/l	96
3) Chloromethane	2.21	50	48466	20.989	ug/l	99
4) Vinyl Chloride	2.36	62	61110	21.982	ug/l	93
5) Bromomethane	2.77	94	27435	17.829	ug/l	98
6) Chloroethane	2.91	64	32324	20.356	ug/l	93
7) Trichlorofluoromethane	3.25	101	29166	23.475	ug/l	100
8) Diethyl Ether	3.68	74	28175	20.001	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52062	22.090	ug/l	98
10) Methyl Iodide	4.27	142	68059	20.434	ug/l	100
11) Tert butyl alcohol	5.19	59	17576	74.268	ug/l	99
12) 1,1-Dichloroethene	4.03	96	51765	20.802	ug/l	99
13) Acrolein	3.89	56	13023	66.151	ug/l	94
14) Allyl chloride	4.67	41	110370	20.853	ug/l	99
15) Acrylonitrile	5.37	53	72549	103.172	ug/l	99
16) Acetone	4.13	43	75169	86.128	ug/l	98
17) Carbon Disulfide	4.38	76	151321	19.429	ug/l	99
18) Methyl Acetate	4.67	43	40117	20.461	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	82352	20.855	ug/l	98
20) Methylene Chloride	4.91	84	57519	19.110	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	55659	20.746	ug/l	97
22) Diisopropyl ether	6.31	45	205572	20.601	ug/l	98
23) Vinyl Acetate	6.25	43	642619	102.489	ug/l	99
24) 1,1-Dichloroethane	6.21	63	110473	20.672	ug/l	98
25) 2-Butanone	7.17	43	106672	93.406	ug/l	99
26) 2,2-Dichloropropane	7.17	77	62506	19.018	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	59107	20.018	ug/l	100
28) Bromochloromethane	7.51	49	49255	20.764	ug/l	99
29) Tetrahydrofuran	7.54	42	67365	103.195	ug/l	99
30) Chloroform	7.67	83	101034	20.492	ug/l	95
31) Cyclohexane	7.95	56	108118	21.076	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	80329	21.393	ug/l	99
36) 1,1-Dichloropropene	8.08	75	86126	22.100	ug/l	99
37) Ethyl Acetate	7.25	43	46361	20.678	ug/l	98
38) Carbon Tetrachloride	8.07	117	73763	22.110	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	96174	22.412	ug/l	100
40) Benzene	8.32	78	233176	21.361	ug/l	99
41) Methacrylonitrile	7.49	41	30509	22.764	ug/l	94
42) 1,2-Dichloroethane	8.40	62	72760	21.290	ug/l	100
43) Isopropyl Acetate	8.42	43	86784	21.047	ug/l	99
44) Trichloroethene	9.09	130	56438	21.512	ug/l	100
45) 1,2-Dichloropropane	9.37	63	61472	21.047	ug/l	99
46) Dibromomethane	9.46	93	28442	21.336	ug/l	100
47) Bromodichloromethane	9.64	83	73147	20.918	ug/l	98
48) Methyl methacrylate	9.43	41	41477	20.940	ug/l	99
49) 1,4-Dioxane	9.47	88	8047	416.897	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	226897	105.791	ug/l	100
52) Toluene	10.39	92	141777	21.507	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	75038	20.542	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89961	20.713	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40125	21.214	ug/l	97
56) Ethyl methacrylate	10.65	69	57886	20.914	ug/l	100
57) 1,3-Dichloropropane	10.93	76	75638	21.137	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	152656	121.475	ug/l	100
59) 2-Hexanone	10.97	43	158481	104.653	ug/l	100
60) Dibromochloromethane	11.13	129	43863	20.892	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38451	21.482	ug/l	96
64) Tetrachloroethene	10.86	164	45419	21.531	ug/l	96
65) Chlorobenzene	11.66	112	139828	21.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48366	21.317	ug/l	99
67) Ethyl Benzene	11.73	91	272424	21.960	ug/l	100
68) m/p-Xylenes	11.84	106	195908	43.424	ug/l	99
69) o-Xylene	12.16	106	90035	21.476	ug/l	100
70) Styrene	12.18	104	155818	21.496	ug/l	100
71) Bromoform	12.35	173	24411	21.102	ug/l #	98
73) Isopropylbenzene	12.46	105	258558	21.904	ug/l	100
74) N-amyl acetate	12.27	43	79688	21.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47850	21.551	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	33825m	20.204	ug/l	
77) Bromobenzene	12.74	156	55403	21.235	ug/l	100
78) n-propylbenzene	12.80	91	314132	21.867	ug/l	99
79) 2-Chlorotoluene	12.89	91	176787	21.361	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	216885	21.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15507	21.346	ug/l	98
82) 4-Chlorotoluene	12.99	91	185140	21.322	ug/l	99
83) tert-Butylbenzene	13.21	119	182589	22.067	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	214518	21.522	ug/l	99
85) sec-Butylbenzene	13.38	105	260386	22.055	ug/l	100
86) p-Isopropyltoluene	13.50	119	232894	21.741	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107963	21.104	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	105823	20.795	ug/l	98
89) n-Butylbenzene	13.82	91	233526	21.845	ug/l	99
90) Hexachloroethane	14.09	117	39699	20.958	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	95614	21.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7934	20.955	ug/l	99

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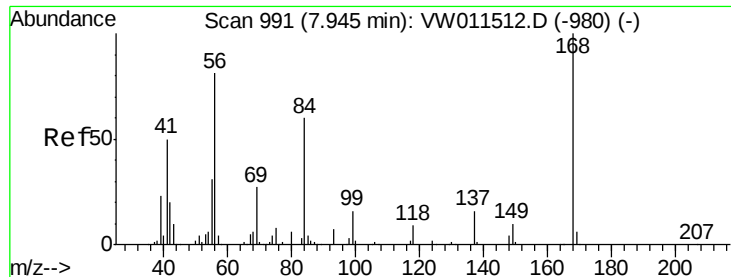
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65883	20.661	ug/l	99
94) Hexachlorobutadiene	15.24	225	43255	21.751	ug/l	98
95) Naphthalene	15.37	128	114245	19.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57073	20.418	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: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tot Ion: 168 Resp: 238938

Ion Ratio Lower Upper

168 100

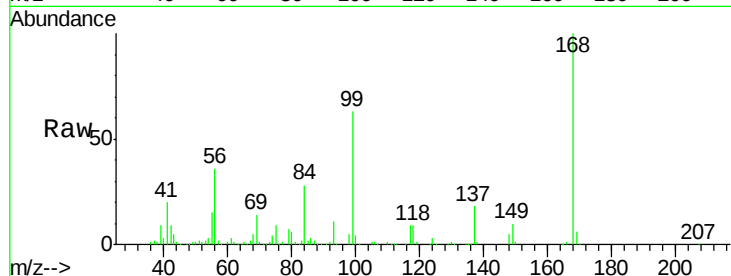
99 62.6 48.2 72.4

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

120000

100000

80000

60000

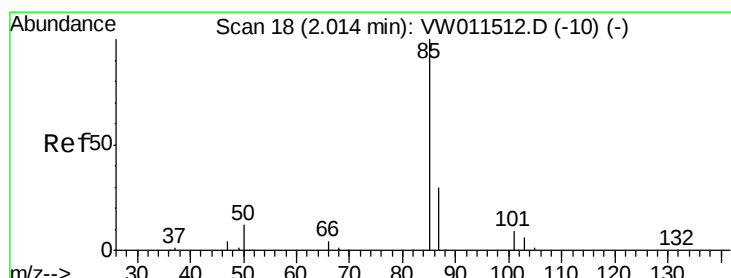
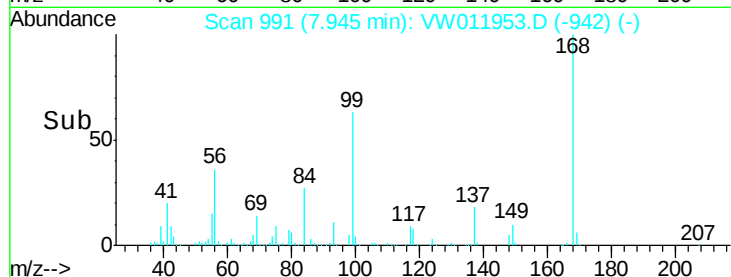
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.818 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW011953.D

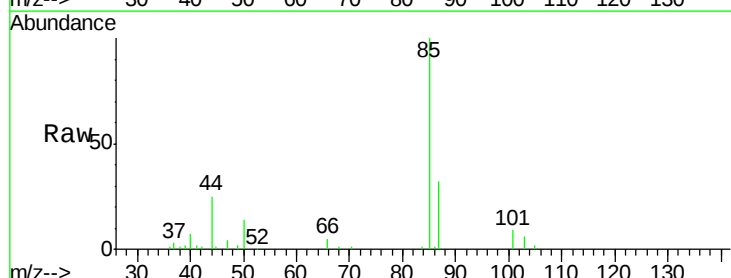
Acq: 16 Aug 2019 10:08

Tgt Ion: 85 Resp: 30386

Ion Ratio Lower Upper

85 100

87 32.4 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

12000

10000

8000

6000

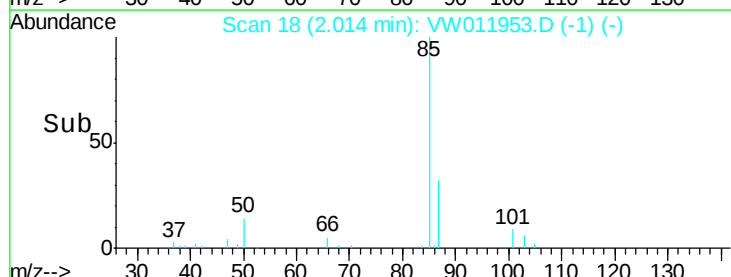
4000

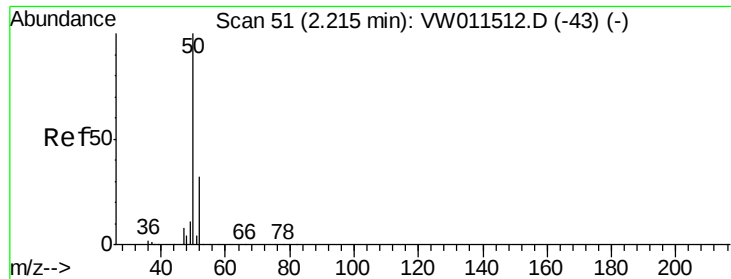
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.989 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tot Ion: 50 Resp: 48466

Ion Ratio Lower Upper

50 100

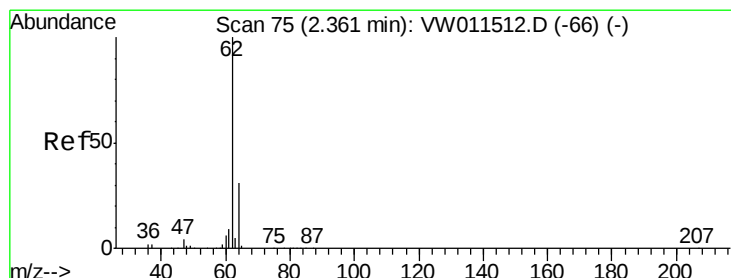
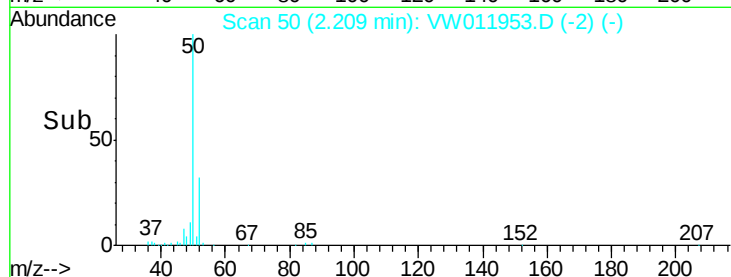
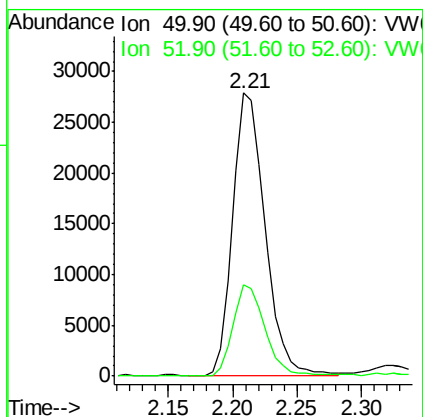
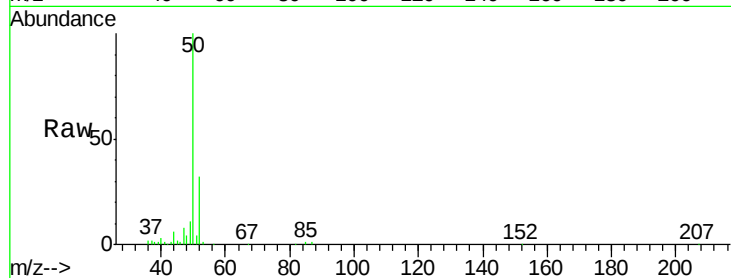
52 32.3 25.4 38.2

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#4

Vinyl Chloride

Concen: 21.982 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011953.D

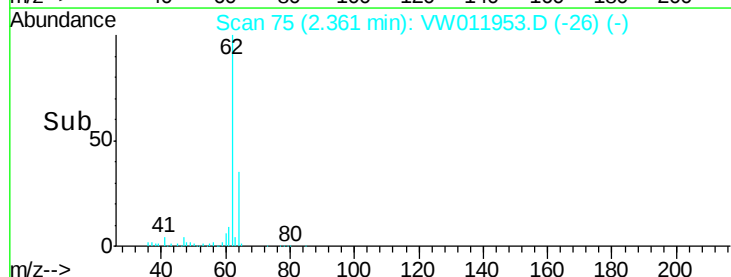
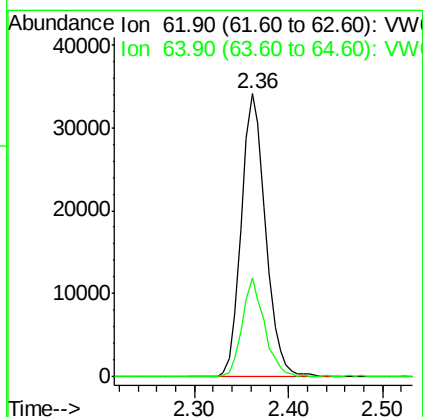
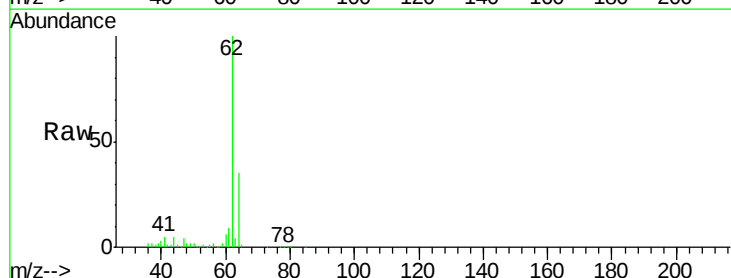
Acq: 16 Aug 2019 10:08

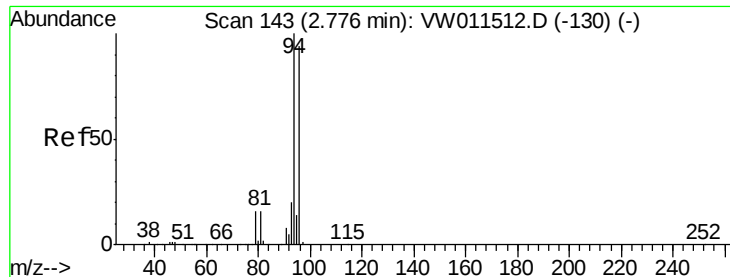
Tgt Ion: 62 Resp: 61110

Ion Ratio Lower Upper

62 100

64 34.8 25.0 37.4





#5

Bromomethane

Concen: 17.829 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

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VW0817SBS01

Tot Ion: 94 Resp: 27435

Ion Ratio Lower Upper

94 100

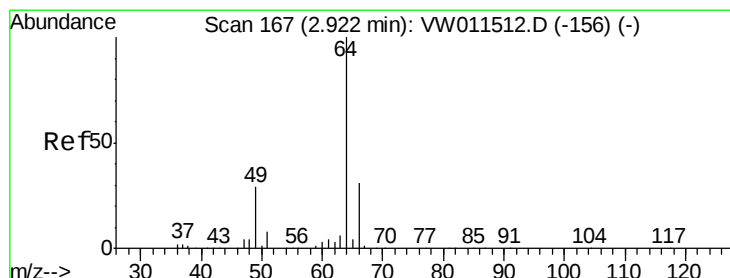
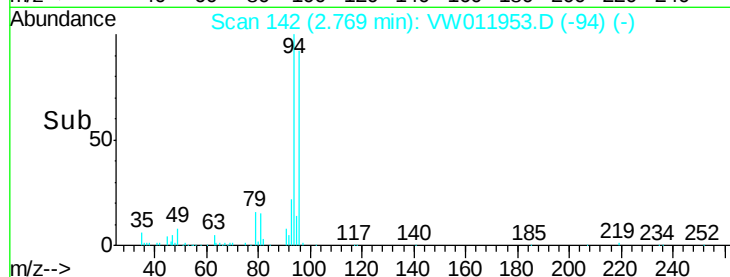
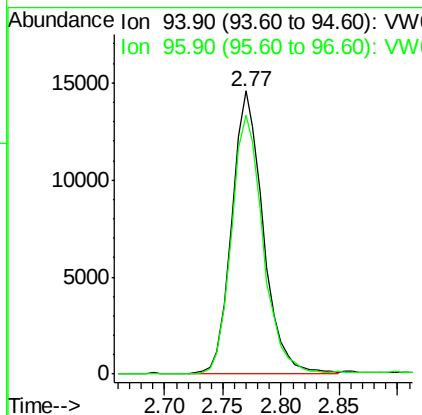
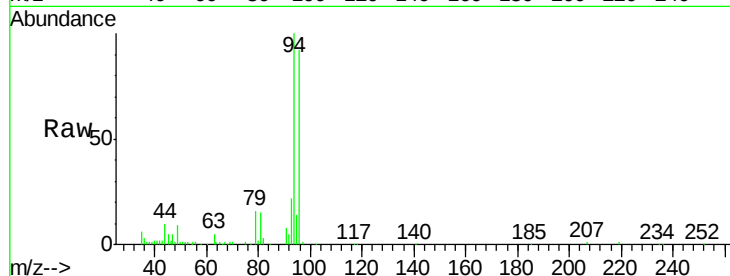
96 91.6 75.0 112.6

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#6

Chloroethane

Concen: 20.356 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011953.D

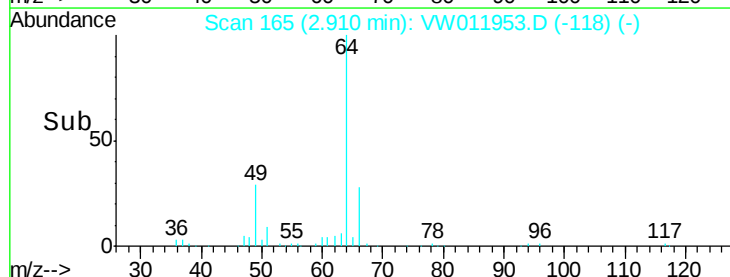
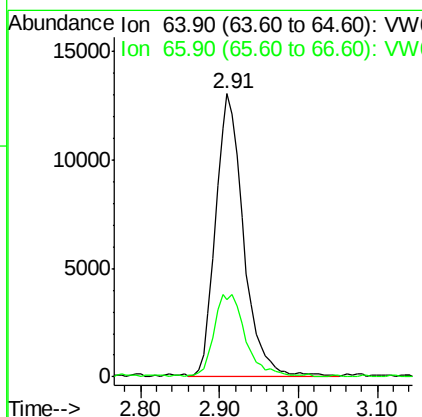
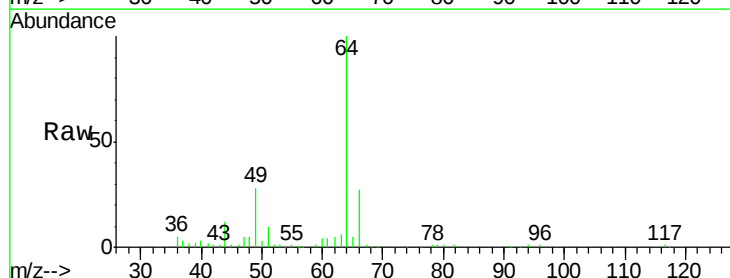
Acq: 16 Aug 2019 10:08

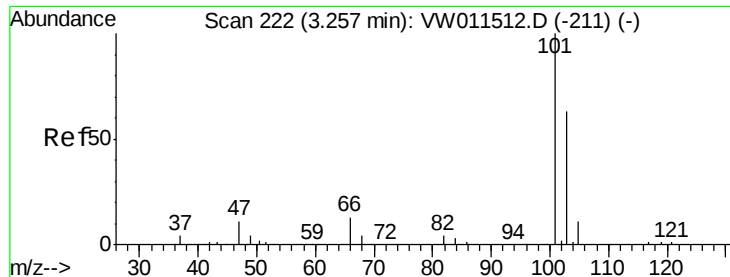
Tgt Ion: 64 Resp: 32324

Ion Ratio Lower Upper

64 100

66 27.1 24.6 36.8





#7

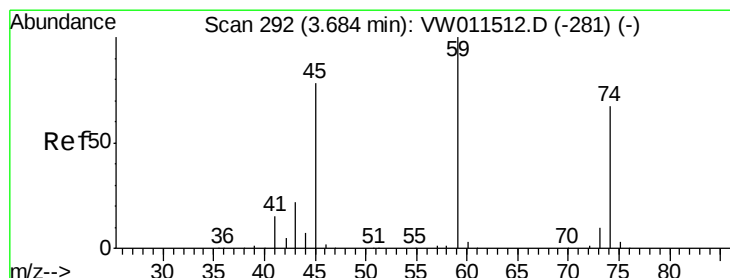
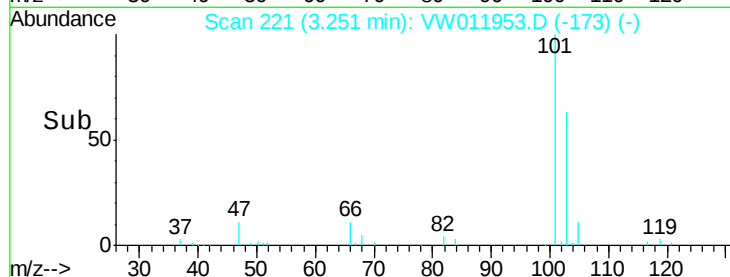
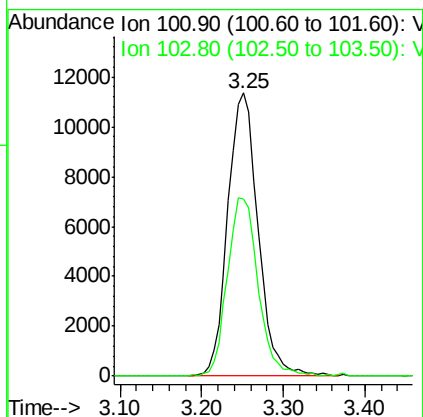
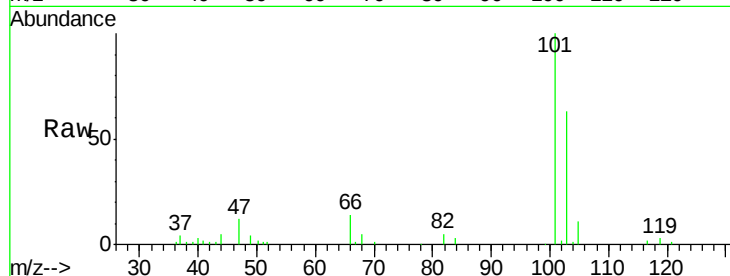
Trichlorofluoromethane
Concen: 23.475 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.2	75.4

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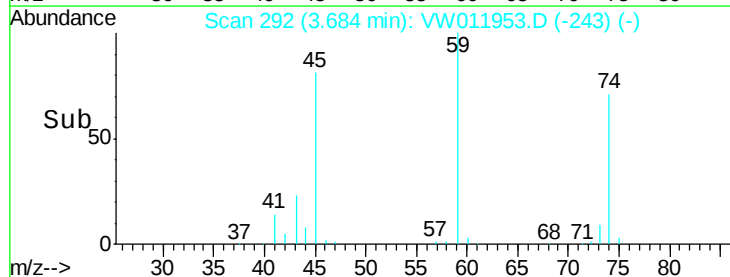
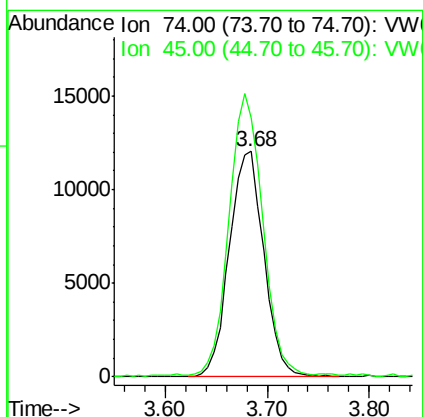
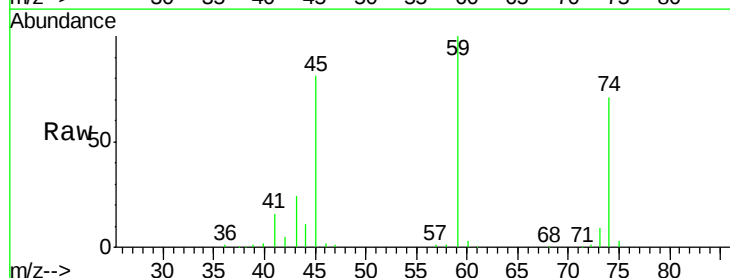
MMDadoda
8/19/2019 10:55:15 AM

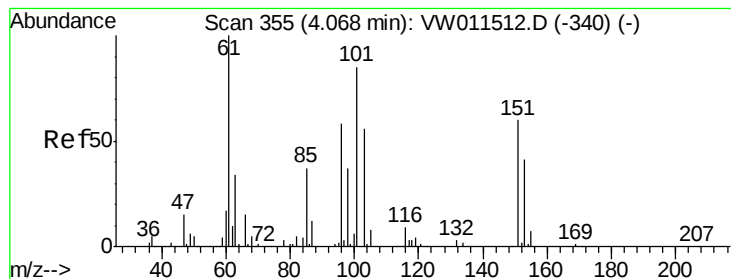


#8

Diethyl Ether
Concen: 20.001 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.8	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.090 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

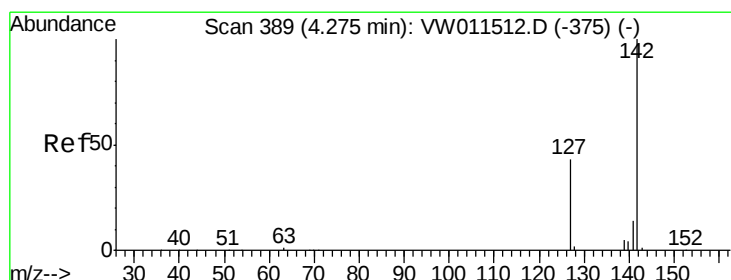
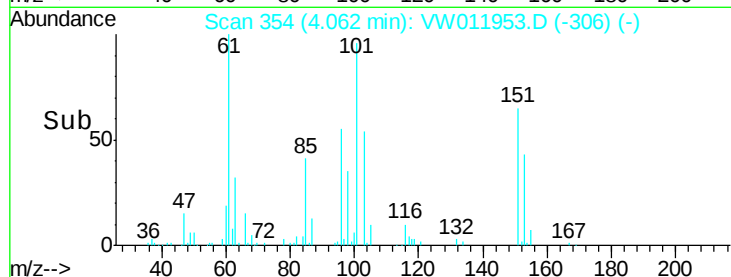
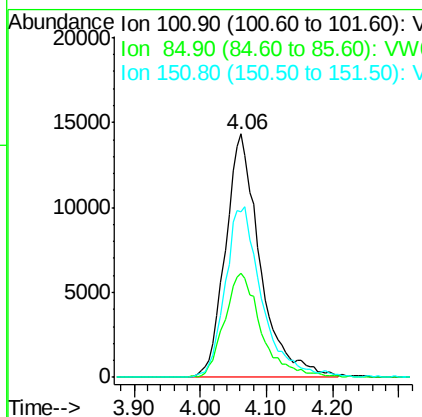
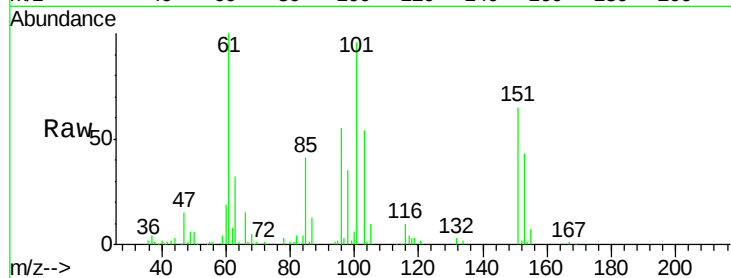
ClientSampleId :

VW0817SBS01

Tot Ion:	101	Resp:	52062
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.6	54.8
151	73.0	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.434 ug/l

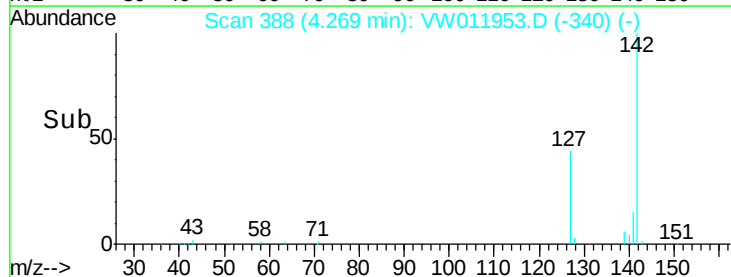
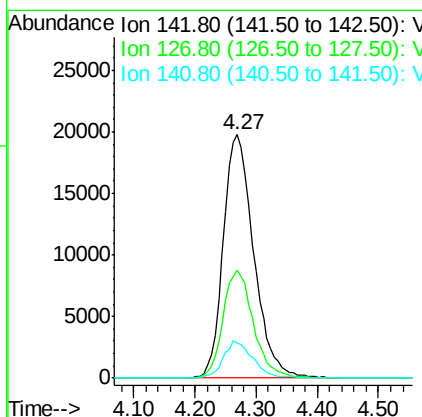
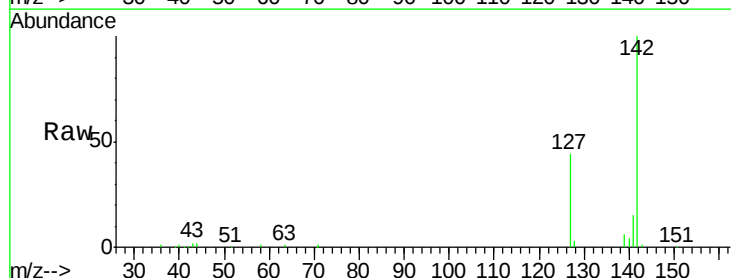
RT: 4.27 min Scan# 388

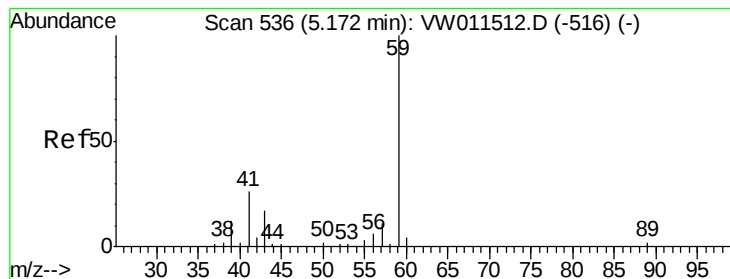
Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion:	142	Resp:	68059
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.0	52.6
141	14.7	11.9	17.9





#11

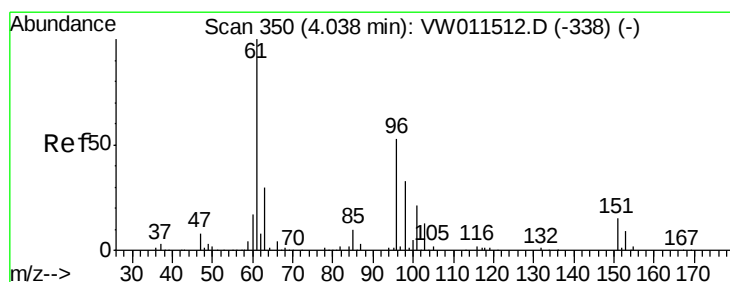
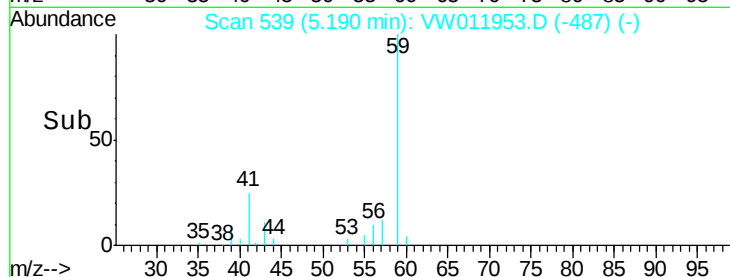
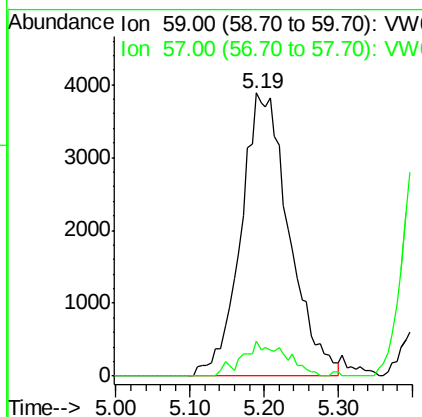
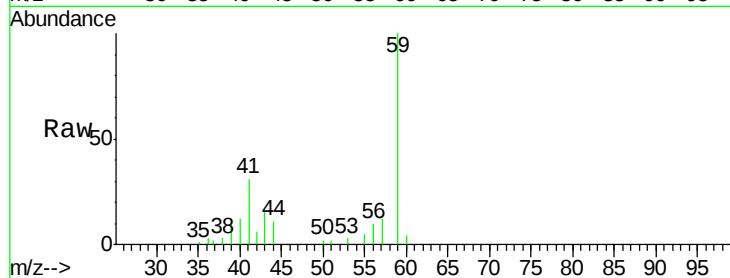
Tert butyl alcohol
 Concen: 74.268 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.5	12.7

Manual Integrations
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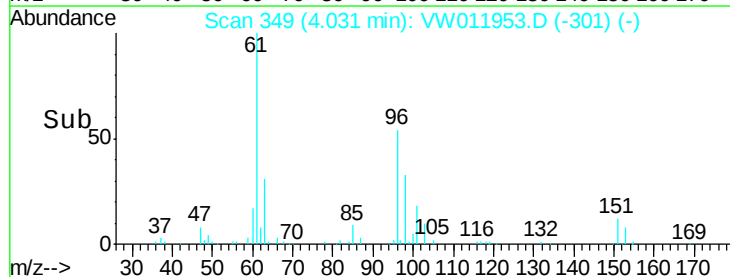
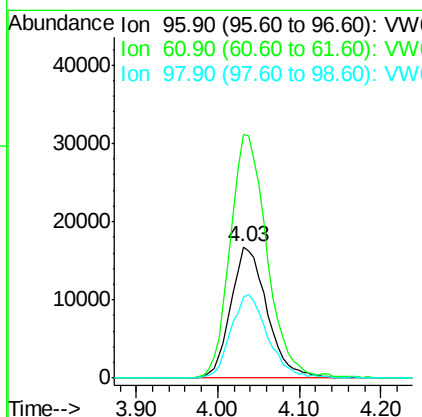
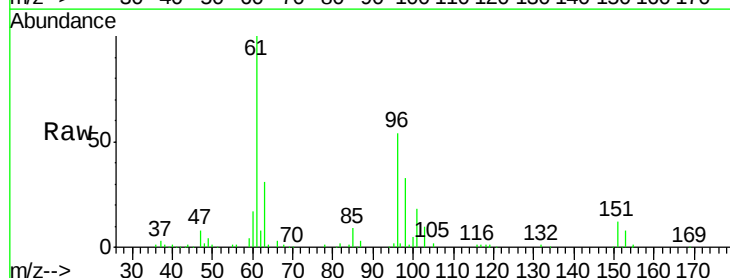
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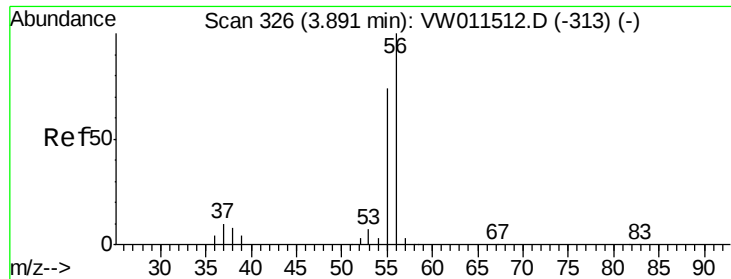


#12

1,1-Dichloroethene
 Concen: 20.802 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.5	149.9	224.9
98	62.0	49.1	73.7





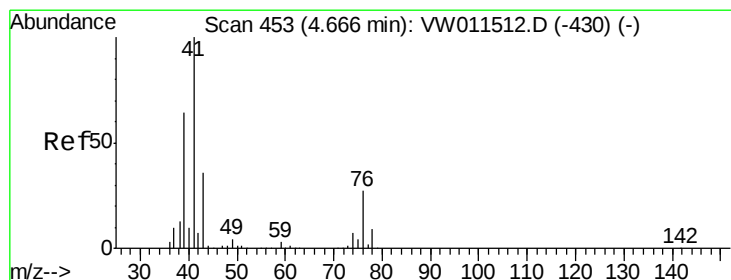
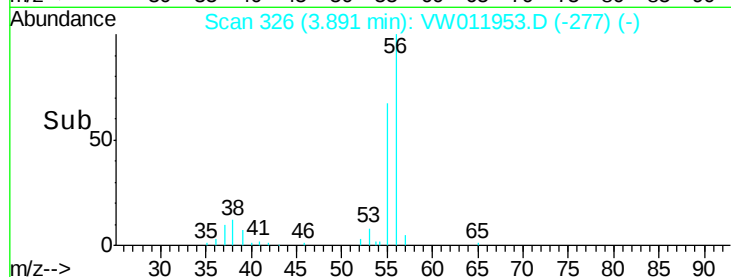
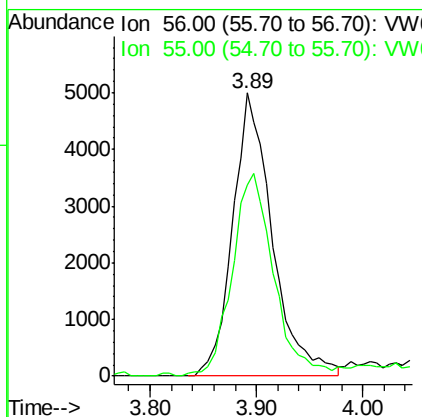
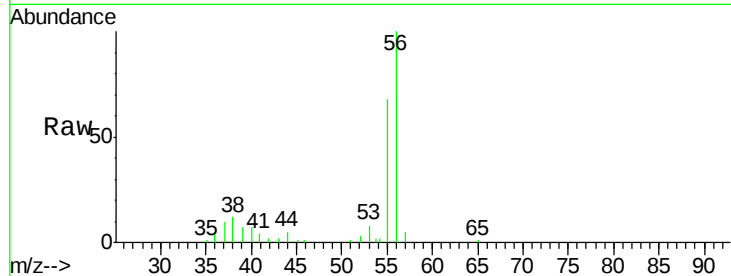
#13
Acrolein
Concen: 66.151 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion: 56 Resp: 13023
Ion Ratio Lower Upper
56 100
55 74.8 56.0 84.0

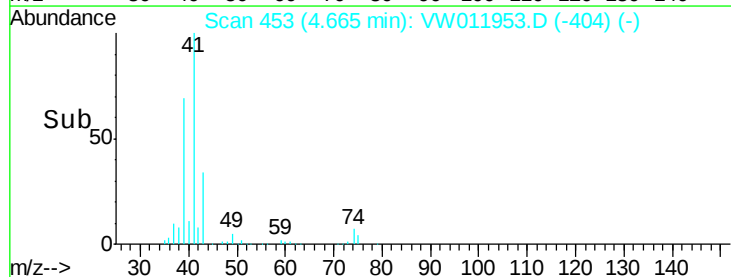
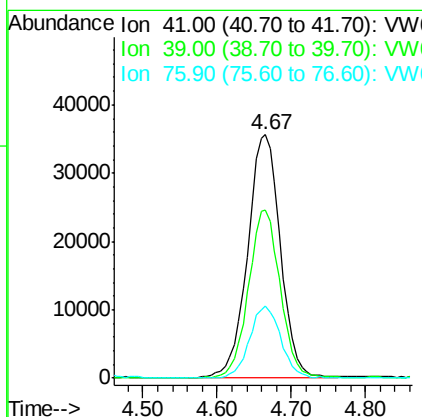
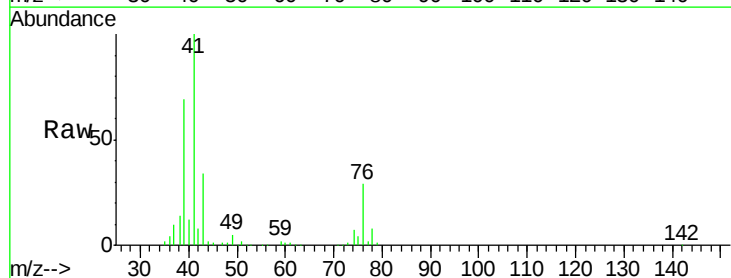
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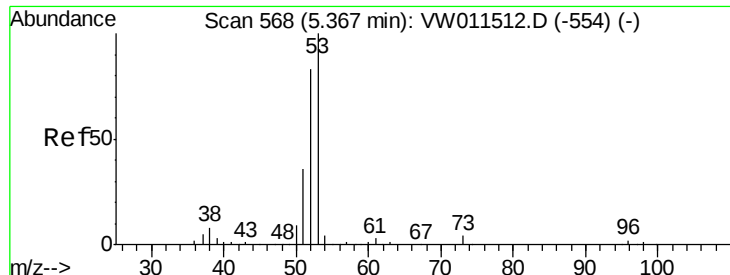
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#14
Allyl chloride
Concen: 20.853 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 41 Resp: 110370
Ion Ratio Lower Upper
41 100
39 66.1 52.6 78.8
76 28.2 22.0 33.0





#15

Acrylonitrile

Concen: 103.172 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

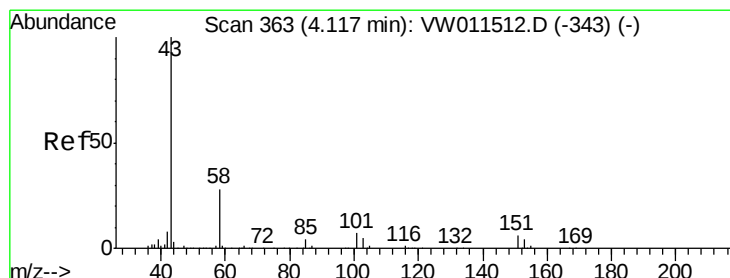
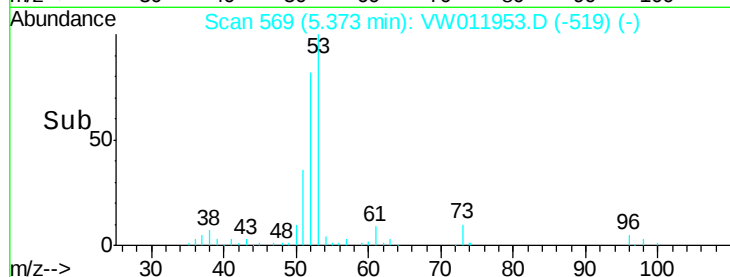
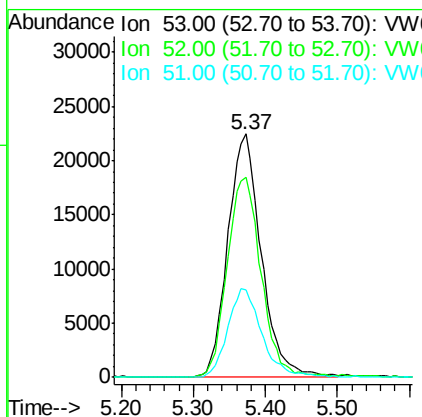
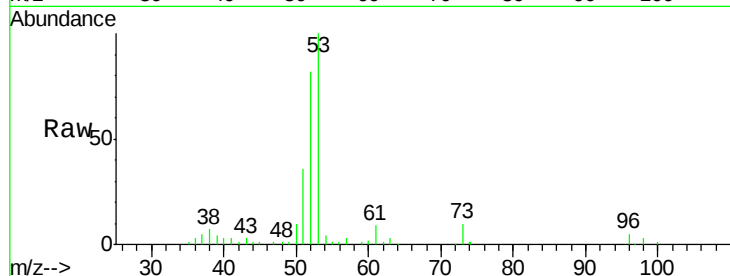
ClientSampleId :

VW0817SBS01

Tot Ion:	53	Resp:	72549
Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.2	100.8
51	37.2	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 86.128 ug/l

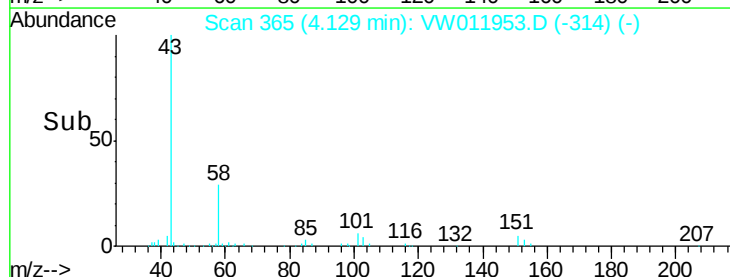
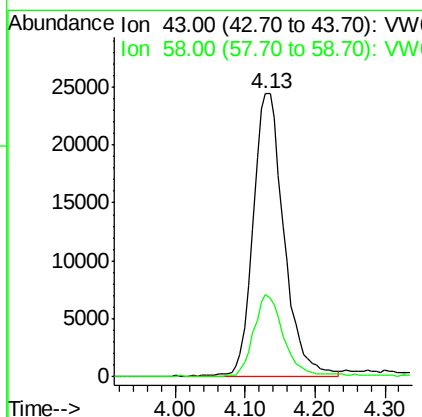
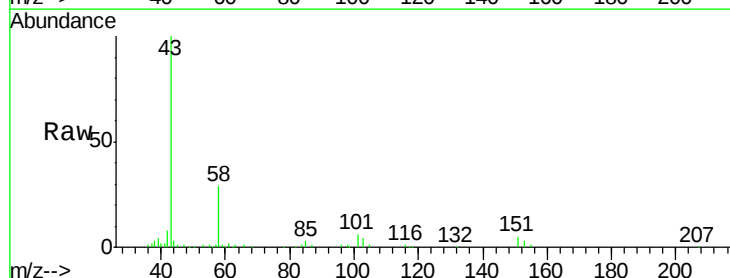
RT: 4.13 min Scan# 365

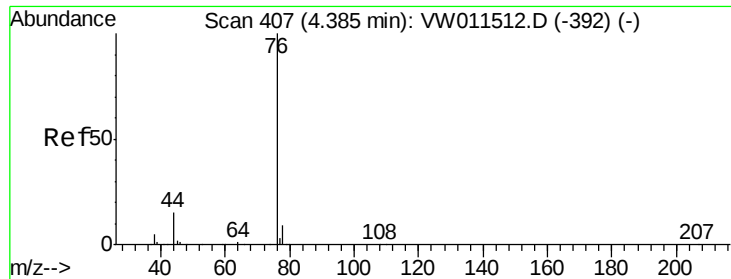
Delta R.T. 0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion:	43	Resp:	75169
Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.3	33.5





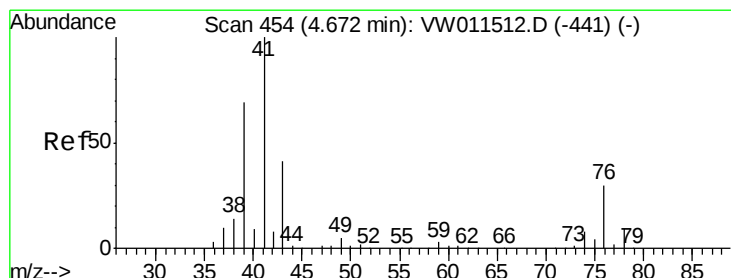
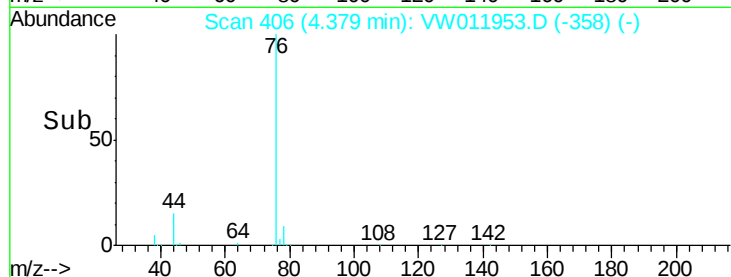
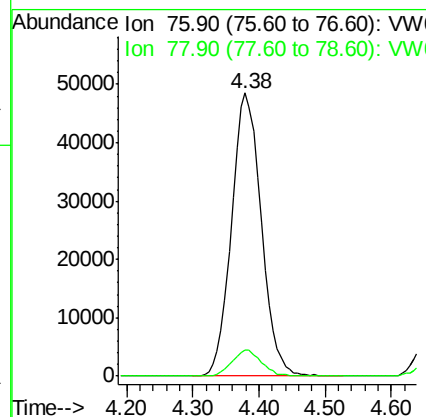
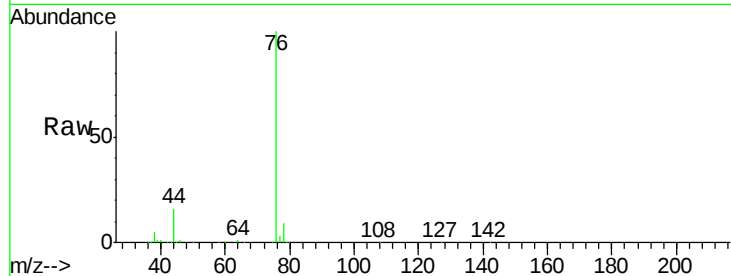
#17
Carbon Disulfide
Concen: 19.429 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

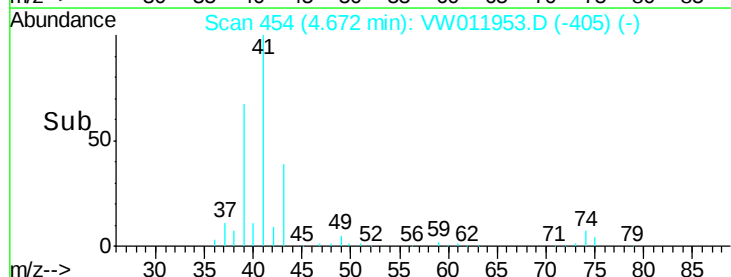
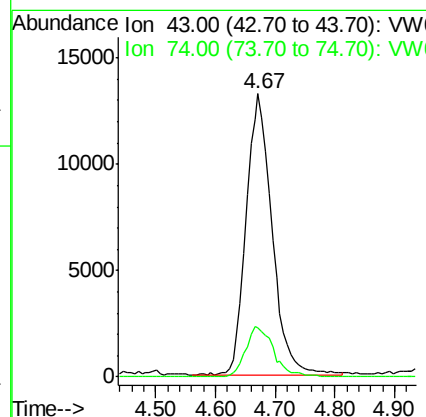
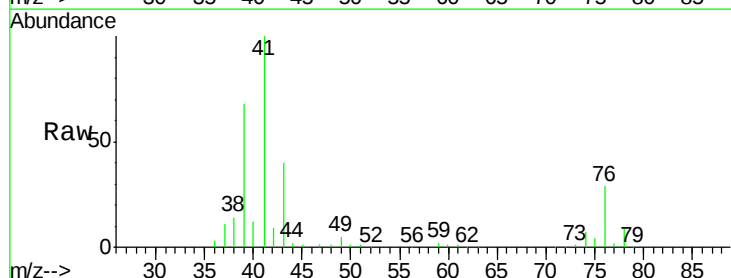
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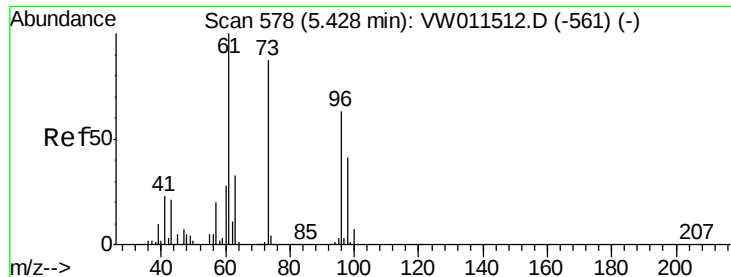
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#18
Methyl Acetate
Concen: 20.461 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.9	23.9





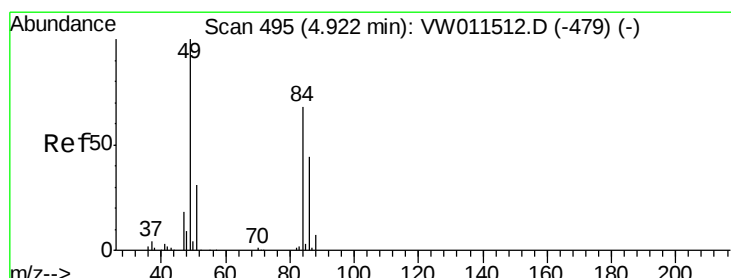
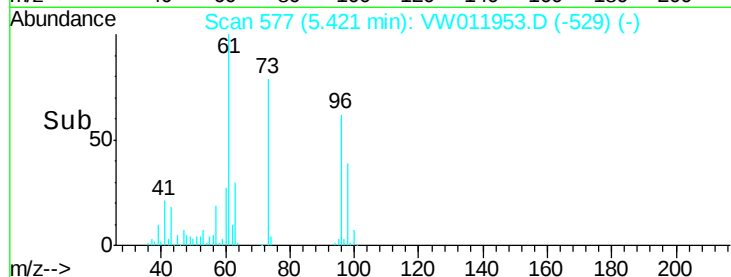
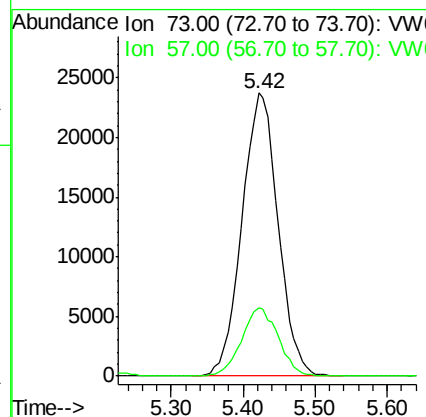
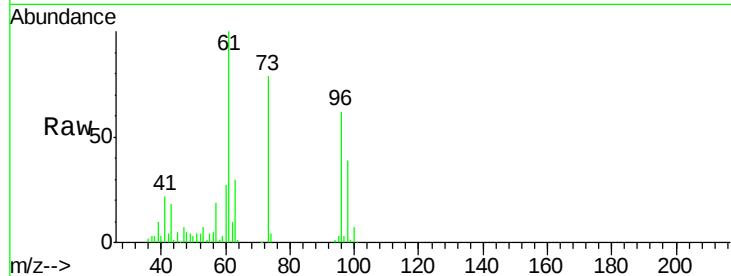
#19
Methyl tert-butyl Ether
Concen: 20.855 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion: 73 Resp: 82352
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6

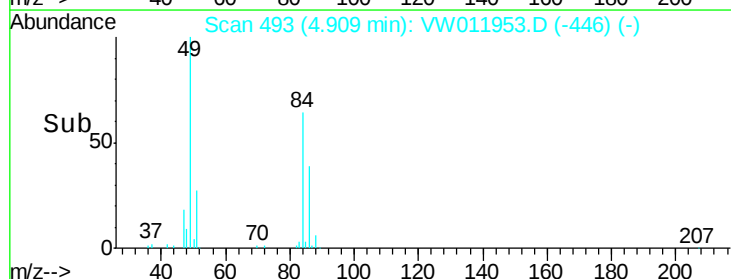
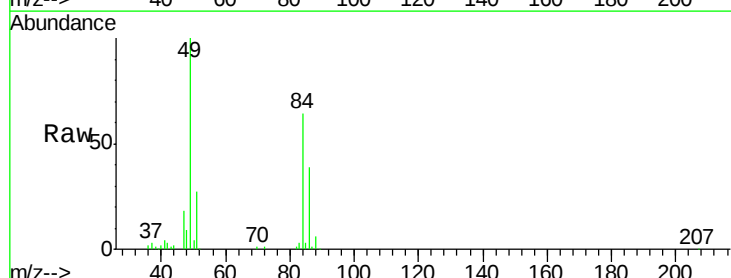
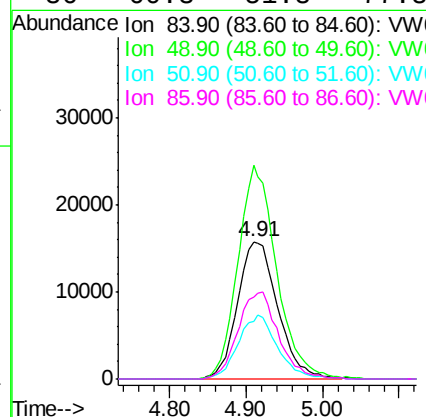
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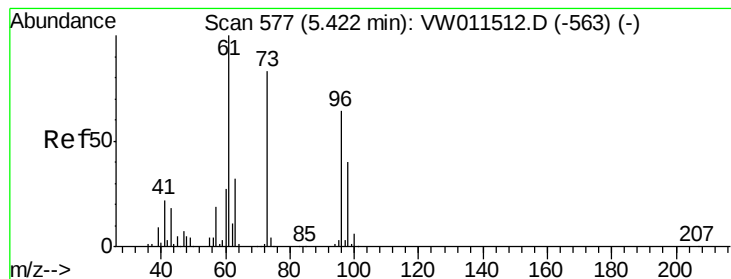
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#20
Methylene Chloride
Concen: 19.110 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 84 Resp: 57519
Ion Ratio Lower Upper
84 100
49 155.9 117.8 176.6
51 42.5 37.0 55.4
86 60.3 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.746 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tot Ion: 96 Resp: 55659

Ion Ratio Lower Upper

96 100

61 161.7 125.7 188.5

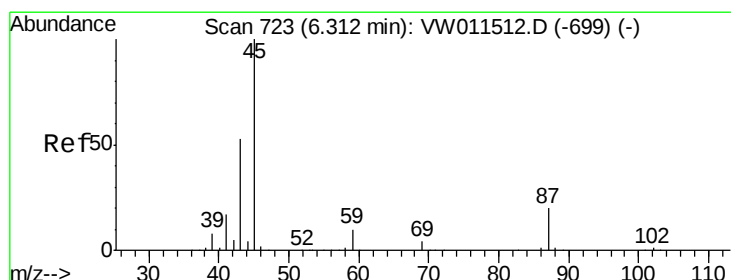
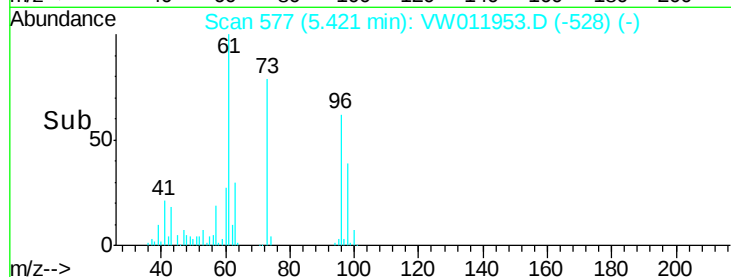
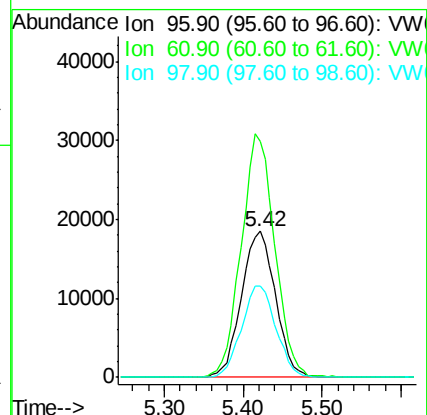
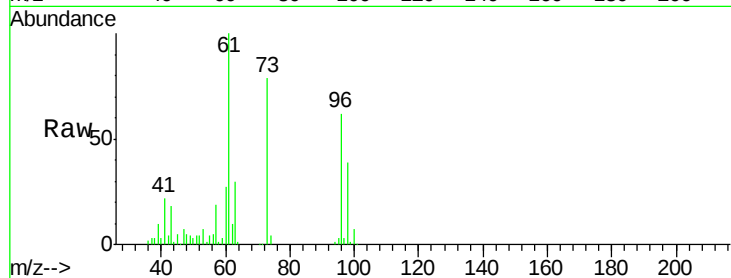
98 62.7 50.3 75.5

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#22

Diisopropyl ether

Concen: 20.601 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion: 45 Resp: 205572

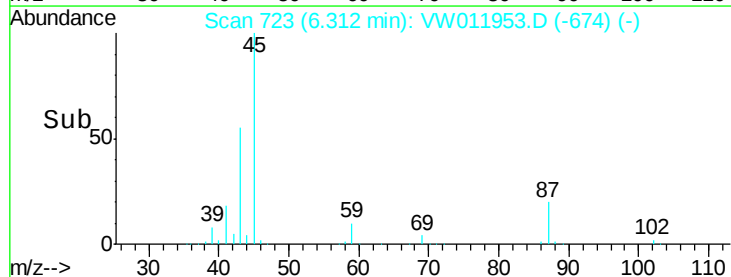
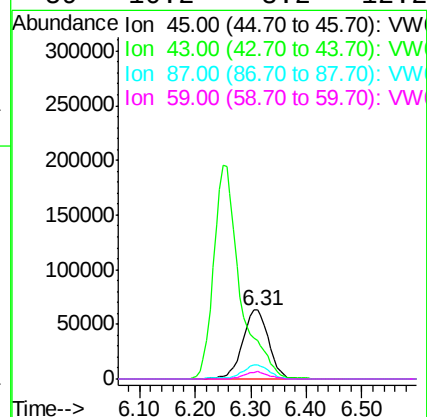
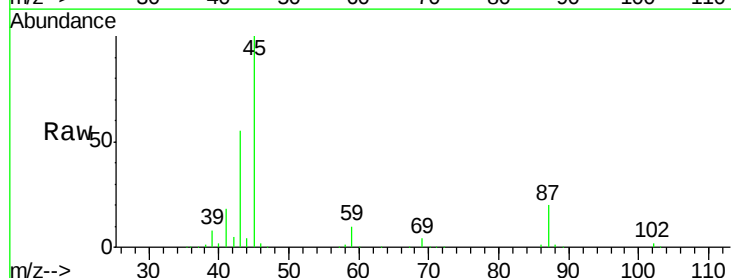
Ion Ratio Lower Upper

45 100

43 54.6 42.6 63.8

87 19.9 16.4 24.6

59 10.2 8.2 12.2





#23

Vinyl Acetate

Concen: 102.489 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tot Ion: 43 Resp: 642619

Ion Ratio Lower Upper

43 100

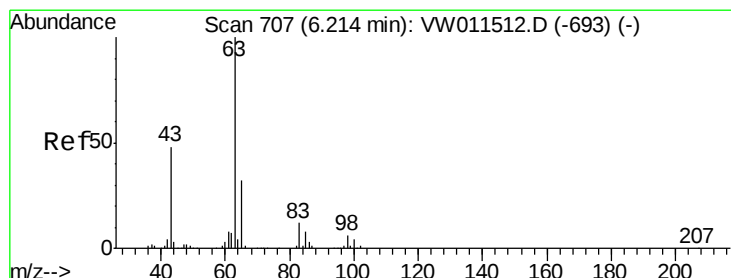
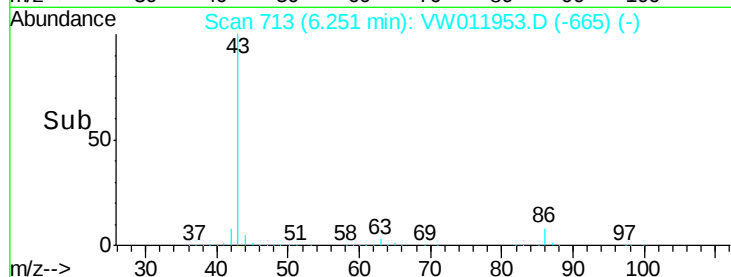
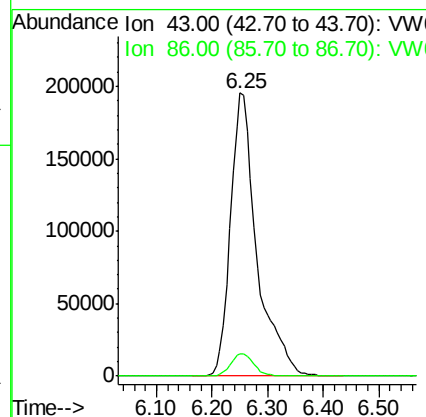
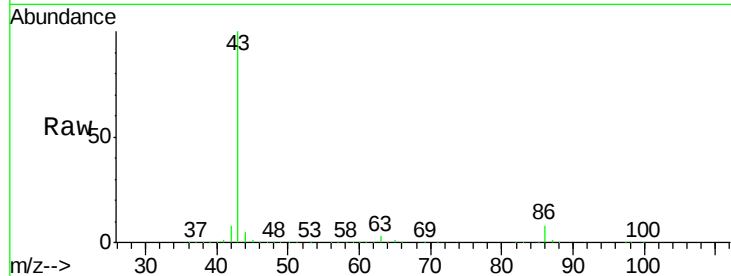
86 7.7 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 20.672 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

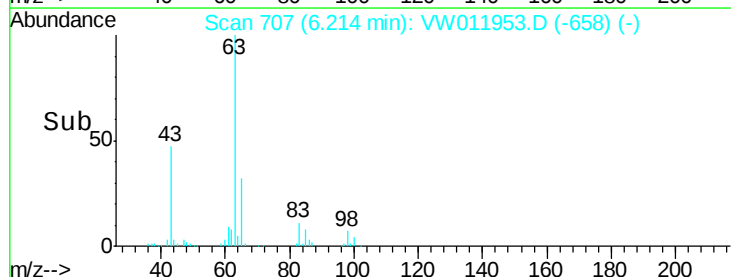
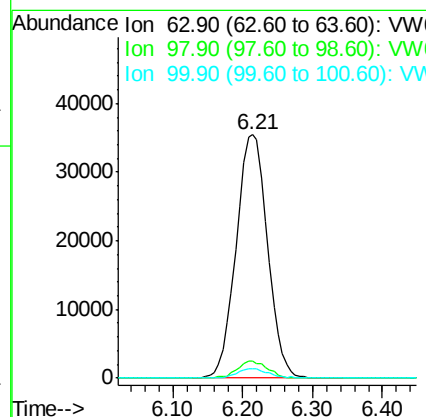
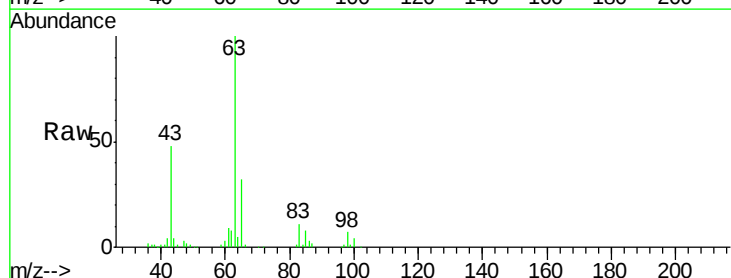
Tgt Ion: 63 Resp: 110473

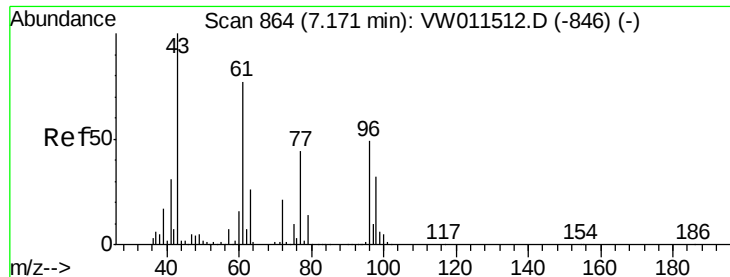
Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 93.406 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tot Ion: 43 Resp: 106672

Ion Ratio Lower Upper

43 100

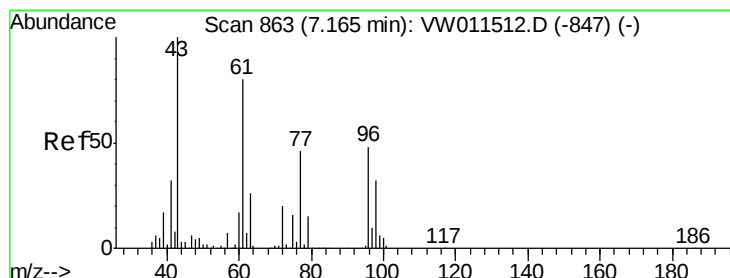
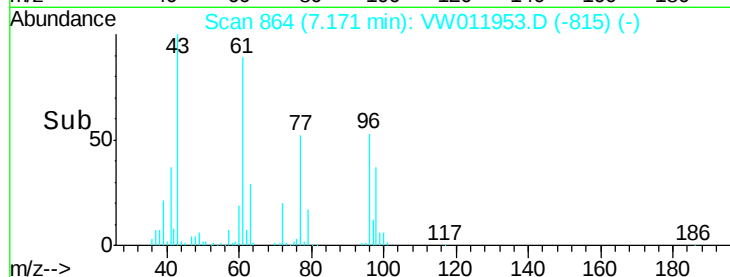
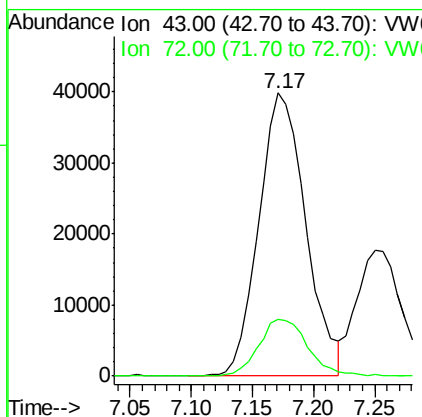
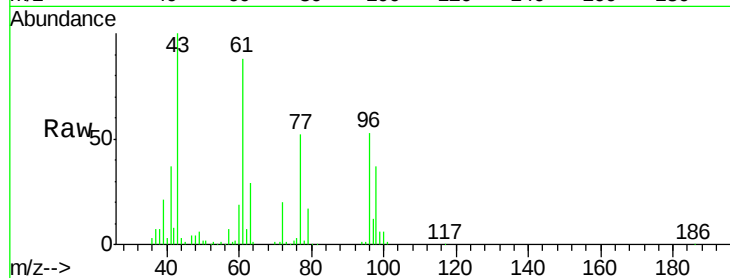
72 20.1 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.018 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011953.D

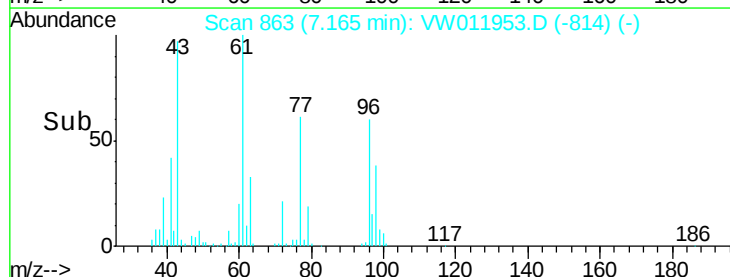
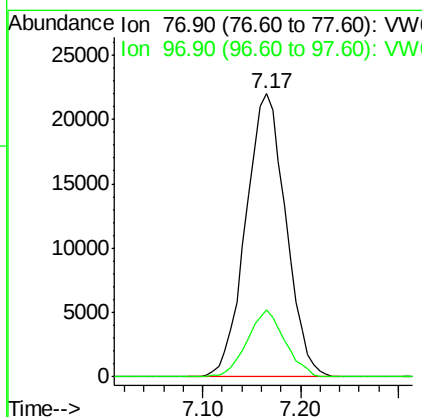
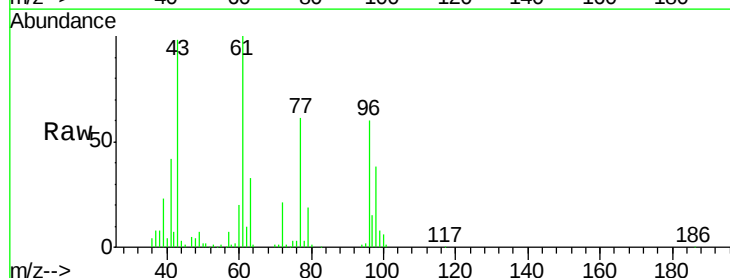
Acq: 16 Aug 2019 10:08

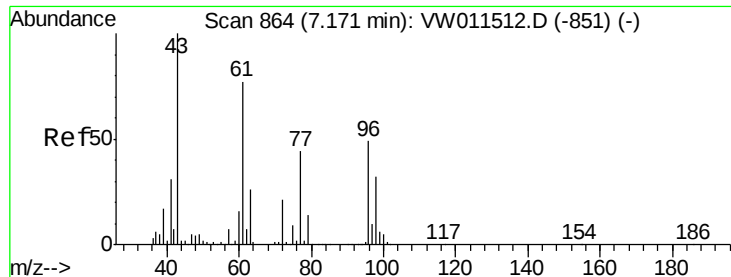
Tgt Ion: 77 Resp: 62506

Ion Ratio Lower Upper

77 100

97 22.3 10.8 32.4





#27

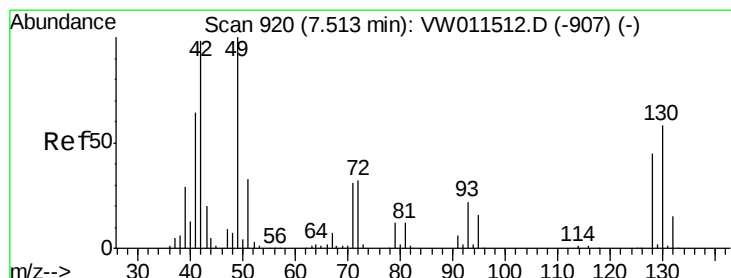
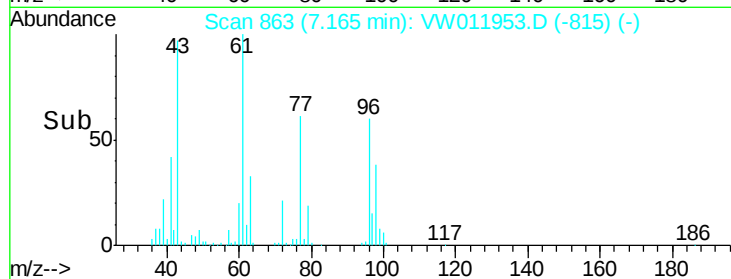
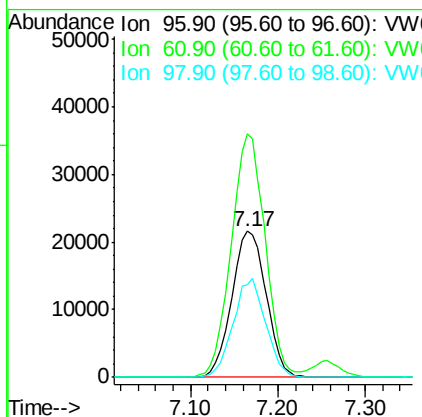
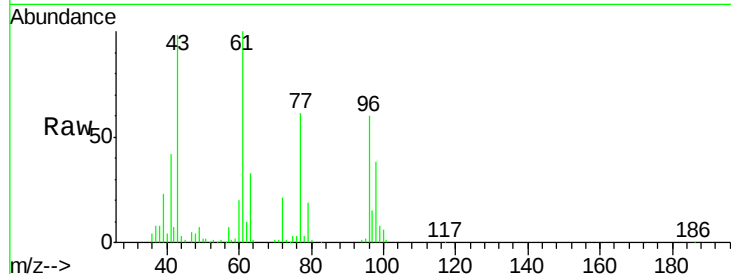
cis-1,2-Dichloroethene
Concen: 20.018 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59107		
61	163.9		0.0	328.4
98	64.0		0.0	128.8

Manual Integrations
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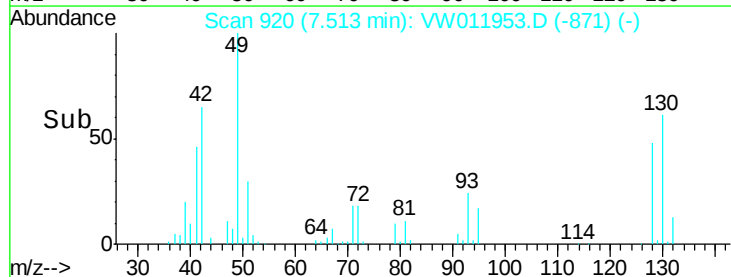
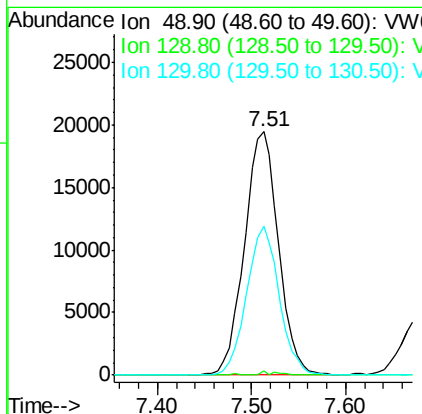
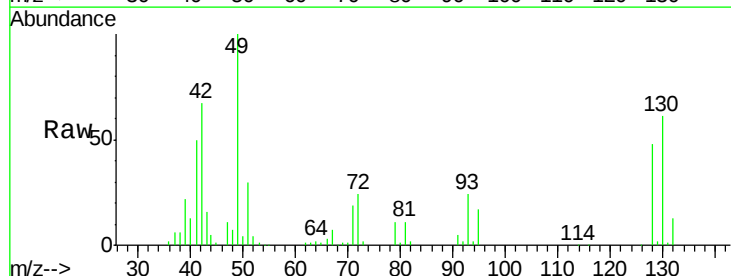
MMDadoda
8/19/2019 10:55:15 AM

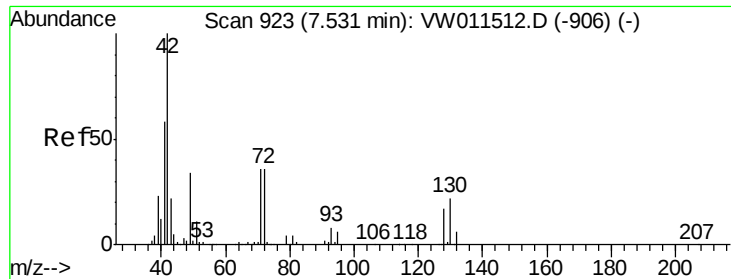


#28

Bromochloromethane
Concen: 20.764 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49255		
129	0.3		0.0	1.0
130	58.3		46.3	69.5





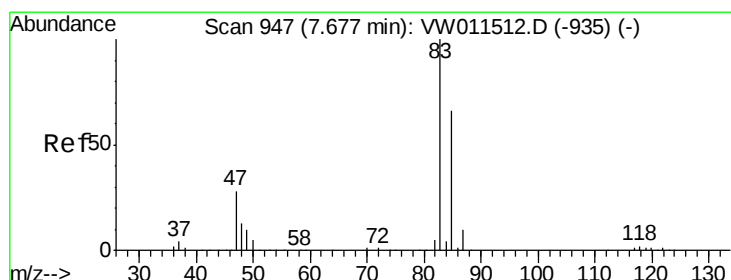
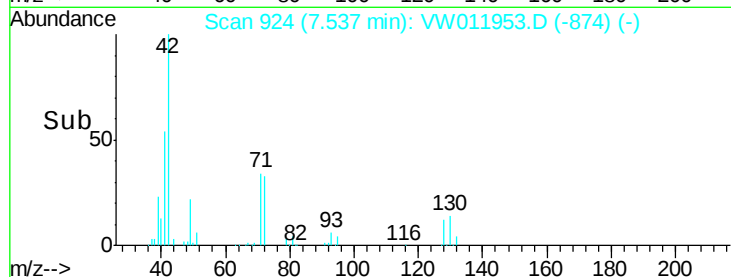
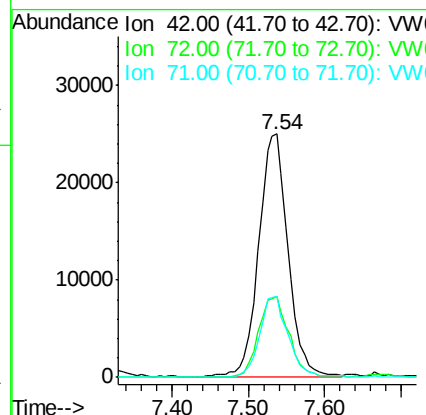
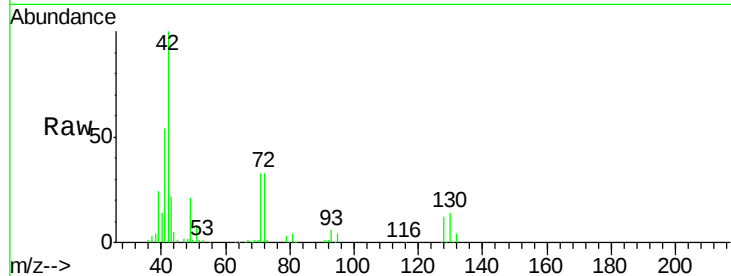
#29
Tetrahydrofuran
Concen: 103.195 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.1	40.7
71	32.2	26.2	39.4

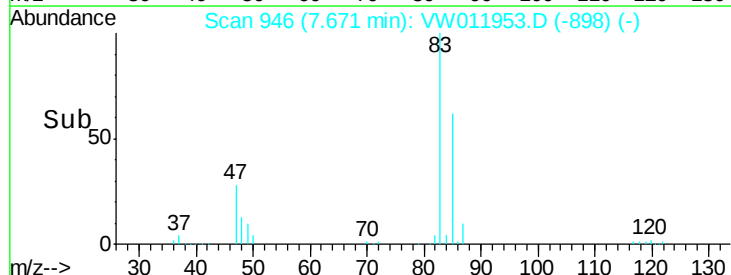
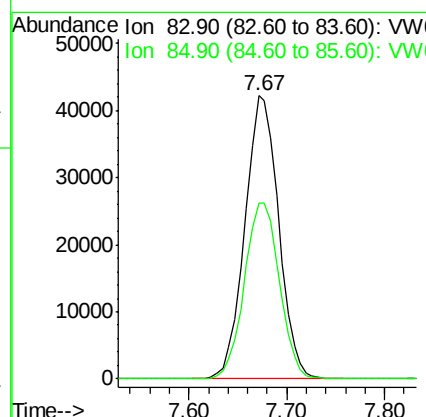
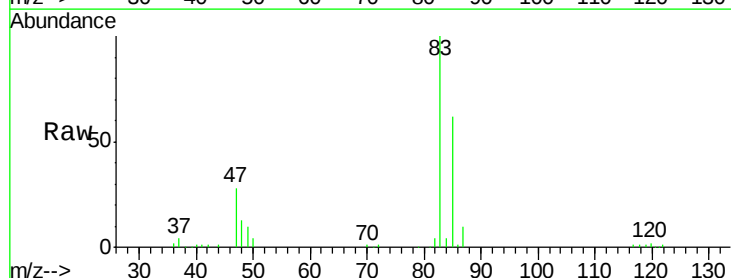
Manual Integrations
APPROVED

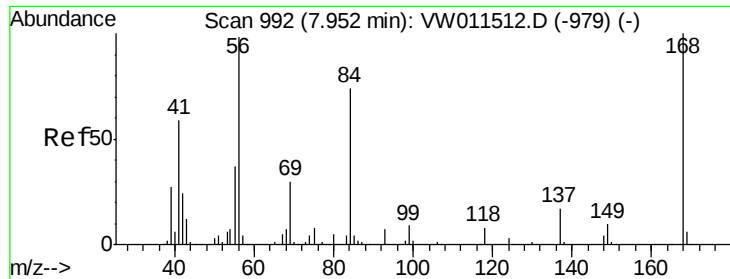
MMDadoda
8/19/2019 10:55:15 AM



#30
Chloroform
Concen: 20.492 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.5	78.7





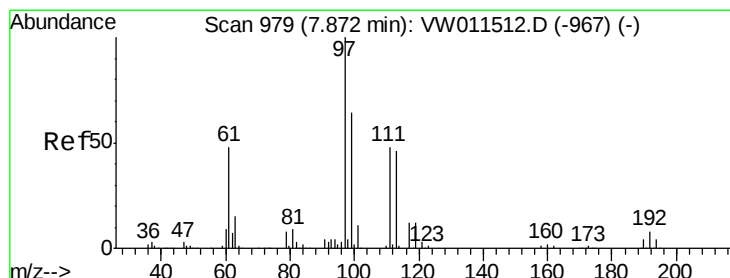
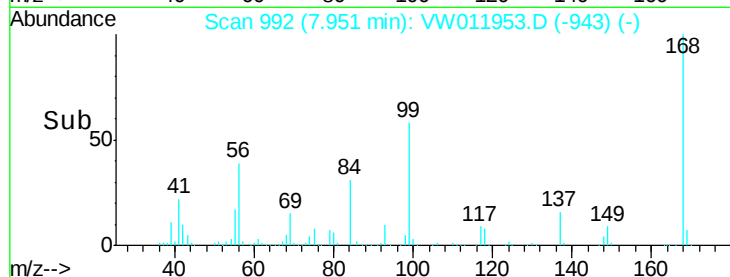
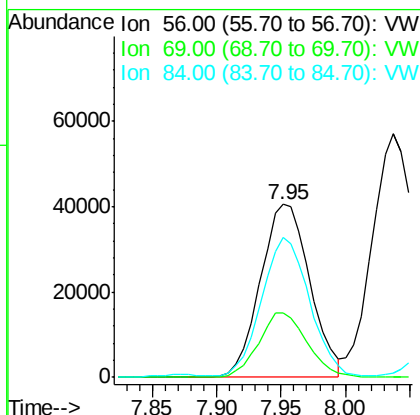
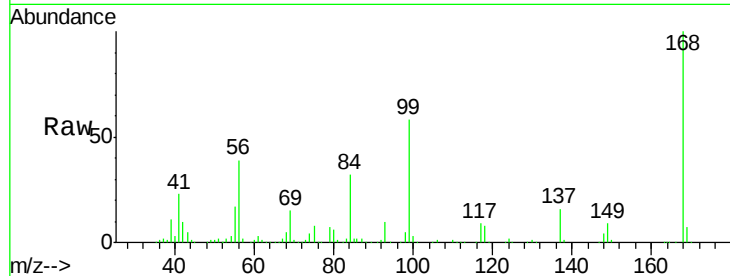
#31
Cyclohexane
Concen: 21.076 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	108118		
69	37.0	24.3	36.5#	
84	79.4	60.4	90.6	

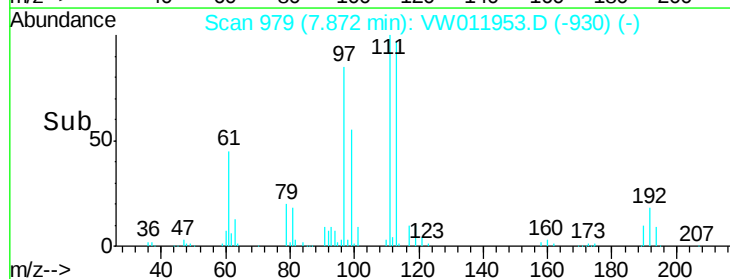
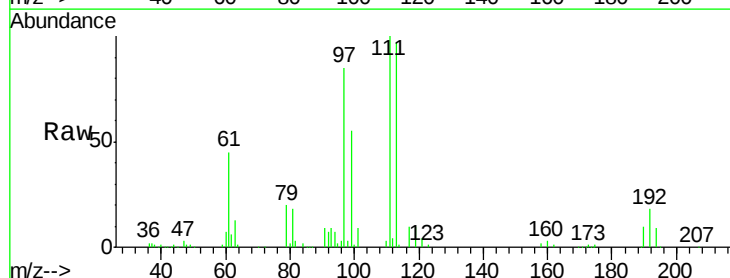
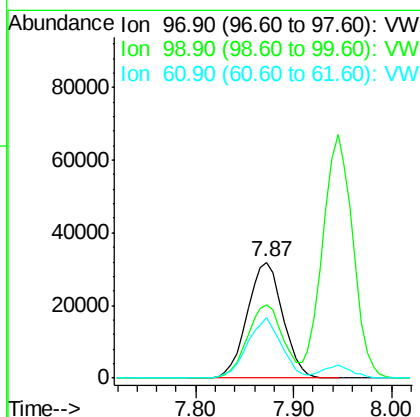
Manual Integrations
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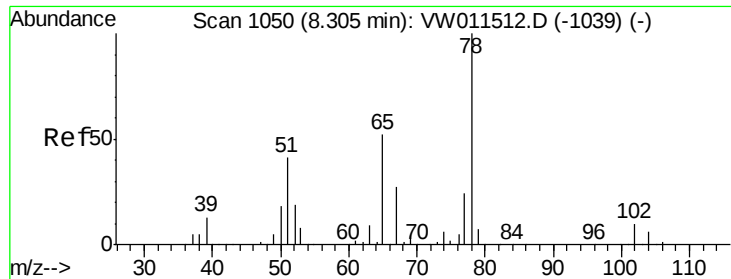
MMDadoda
8/19/2019 10:55:15 AM



#32
1,1,1-Trichloroethane
Concen: 21.393 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	80329		
99	65.0	51.0	76.6	
61	50.0	39.8	59.6	





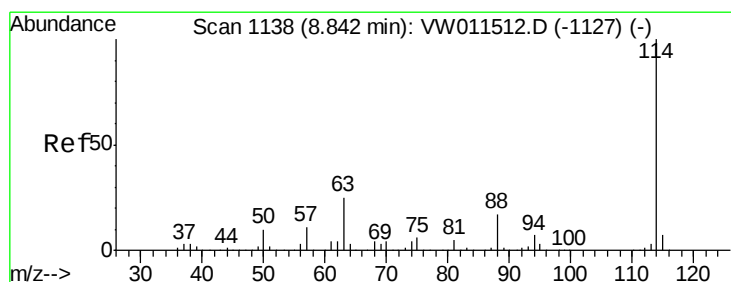
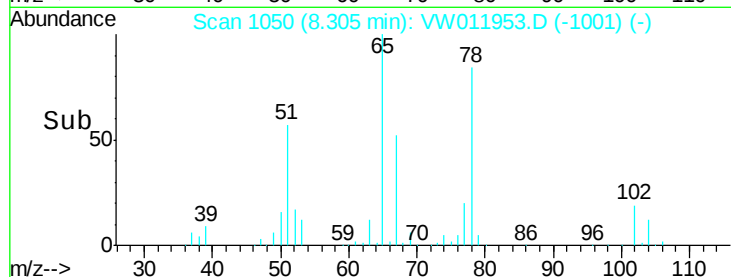
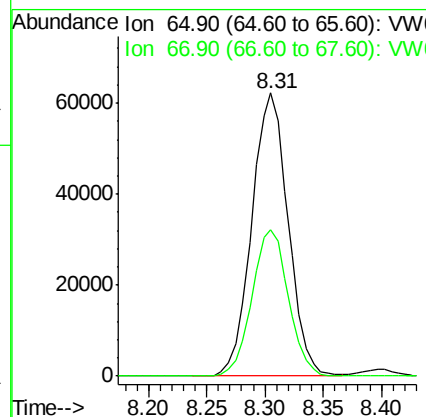
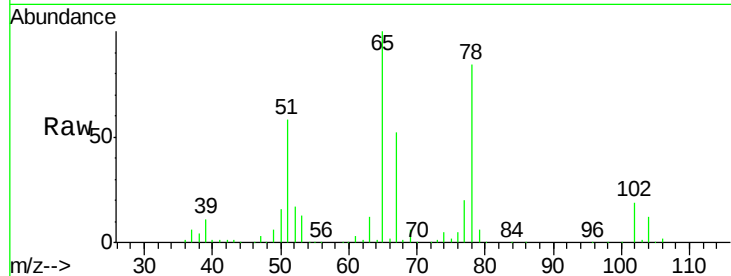
#33
 1,2-Dichloroethane-d4
 Concen: 49.383 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135490		
67	51.8	0.0	105.2	

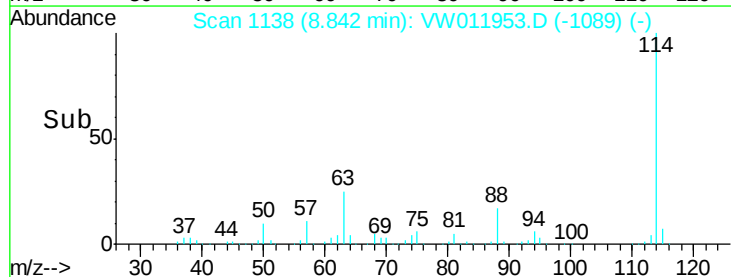
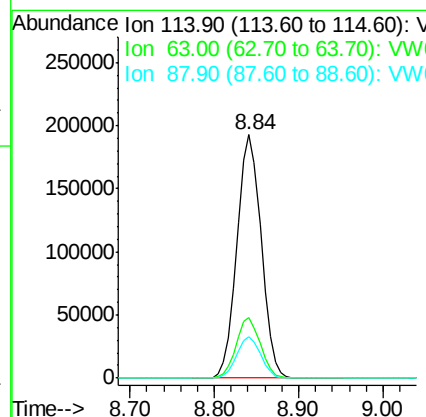
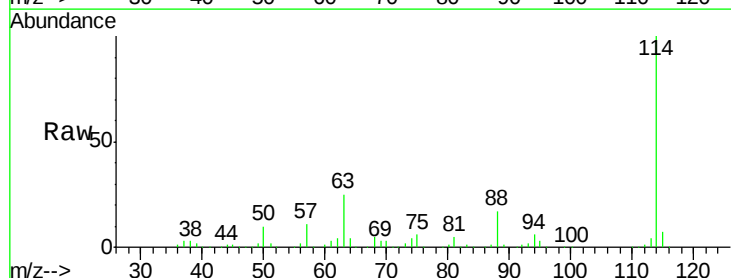
Manual Integrations
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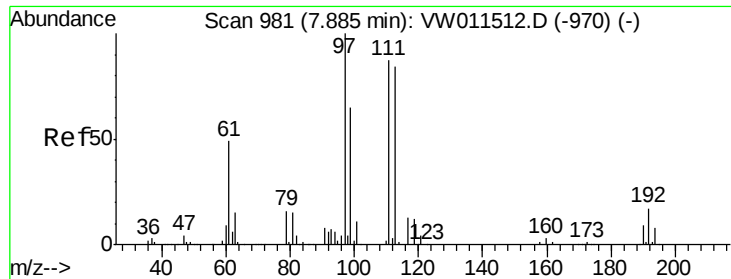
MMDadoda
 8/19/2019 10:55:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	374784		
63	25.0	0.0	49.2	
88	16.8	0.0	33.8	





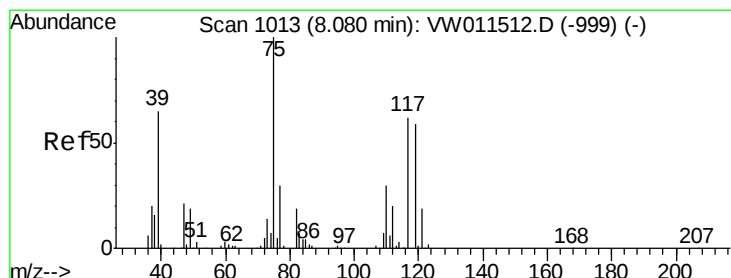
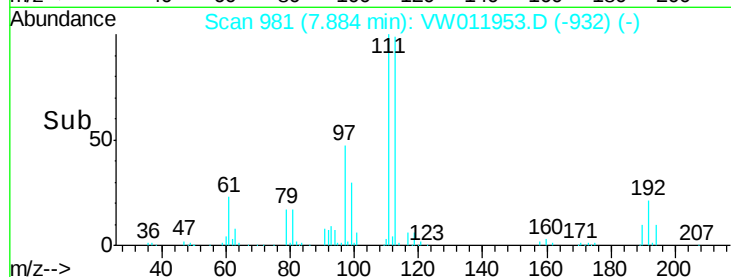
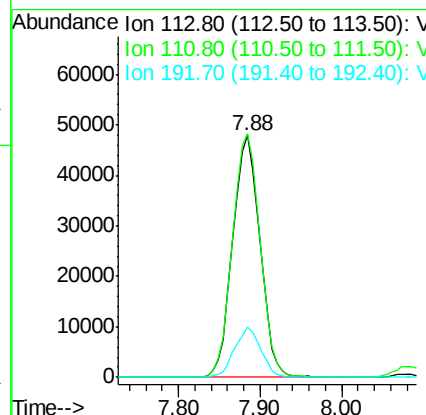
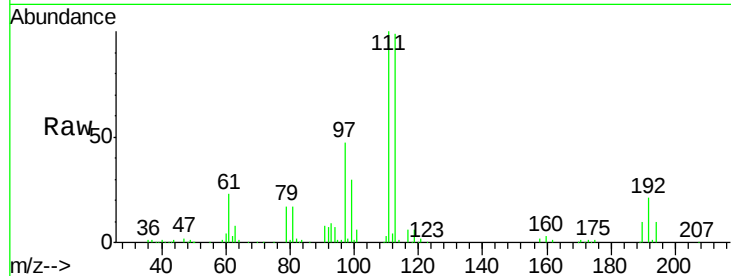
#35
 Dibromofluoromethane
 Concen: 52.497 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110380		
111	102.3	82.7	124.1	
192	19.9	16.1	24.1	

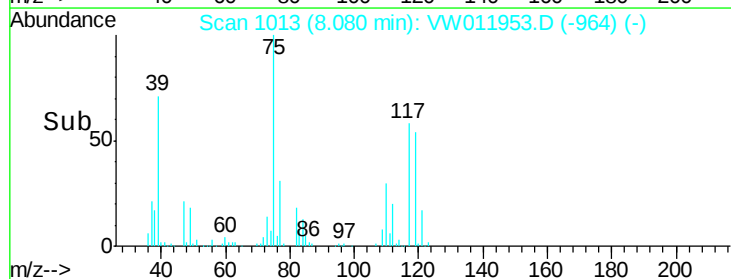
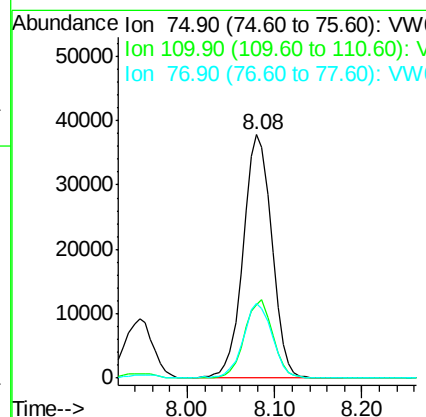
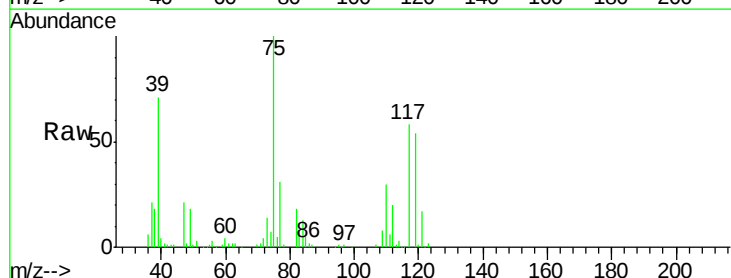
Manual Integrations
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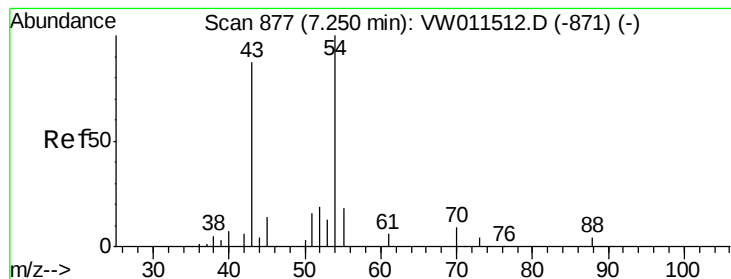
MMDadoda
 8/19/2019 10:55:15 AM



#36
 1,1-Dichloropropene
 Concen: 22.100 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86126		
110	31.6	15.6	46.8	
77	31.3	24.3	36.5	





#37

Ethyl Acetate

Concen: 20.678 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

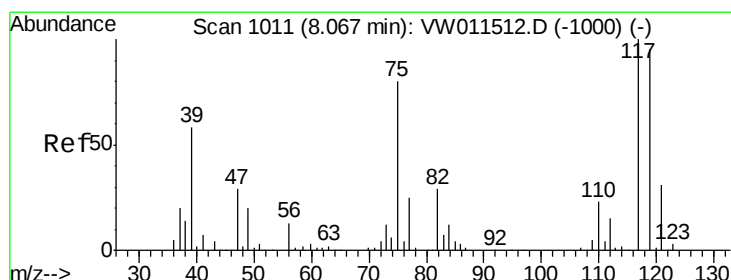
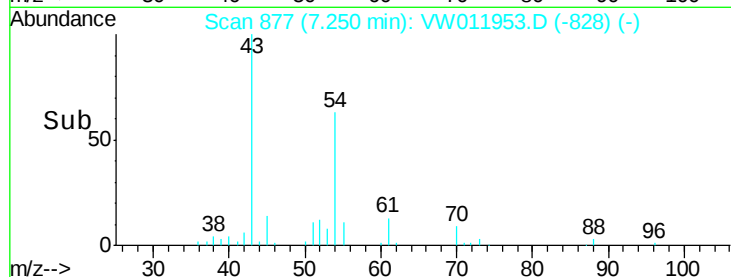
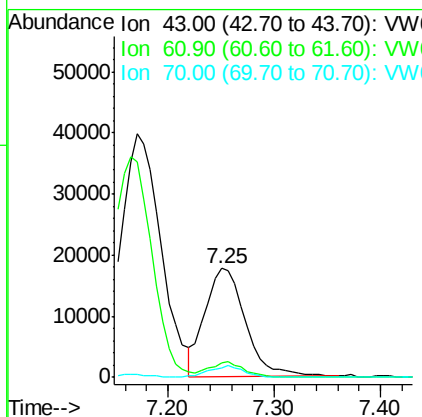
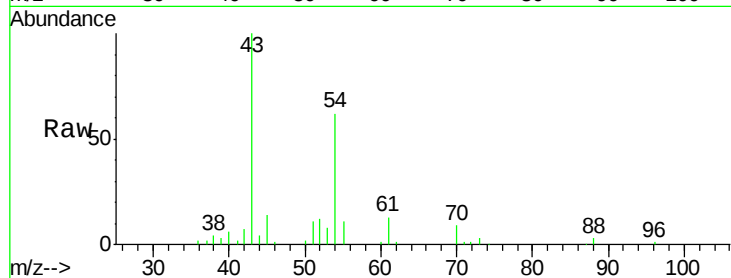
ClientSampled :

VW0817SBS01

Tot Ion:	43	Resp:	46361
Ion	Ratio	Lower	Upper
43	100		
61	12.3	8.8	13.2
70	9.4	7.1	10.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.110 ug/l

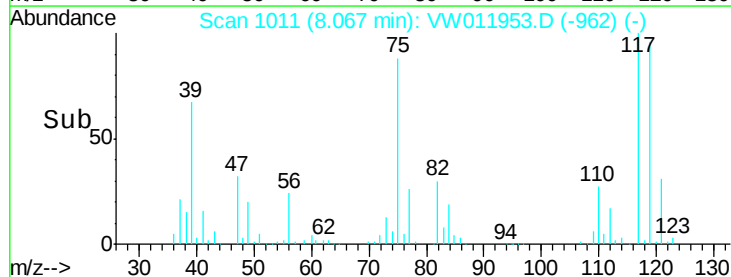
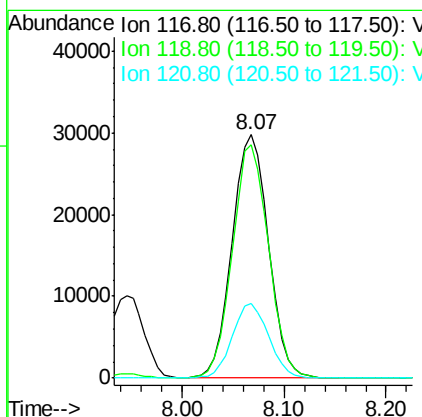
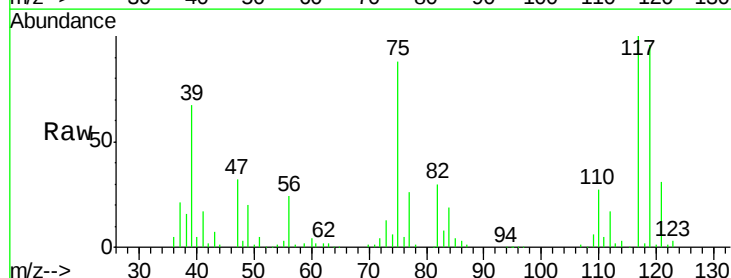
RT: 8.07 min Scan# 1011

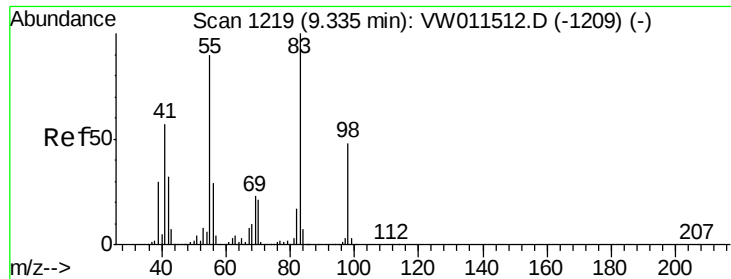
Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion:	117	Resp:	73763
Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.8	113.6
121	30.8	24.7	37.1





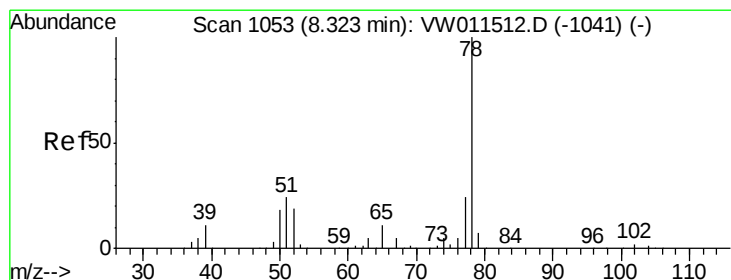
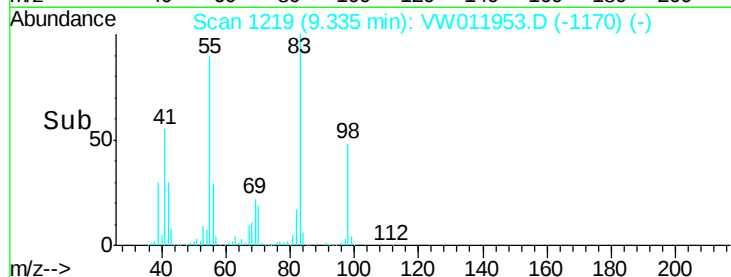
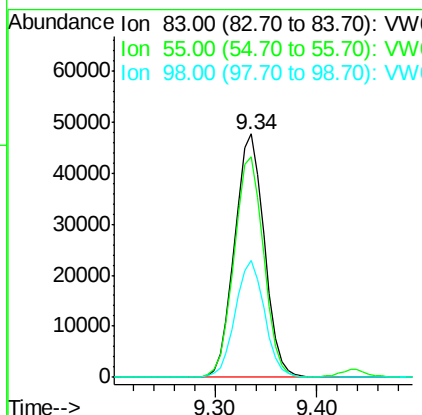
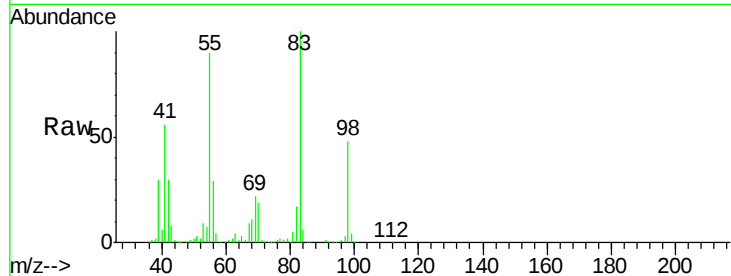
#39
Methvlcvclohexane
Concen: 22.412 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.4	72.1	108.1
98	48.1	38.6	57.8

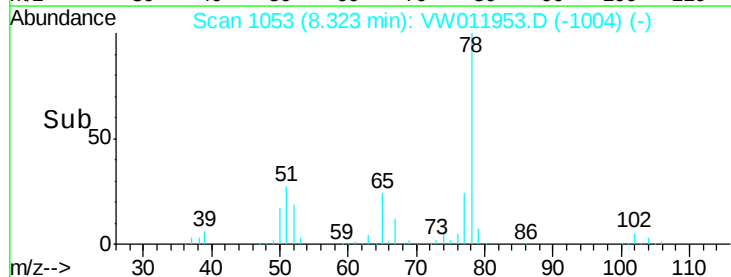
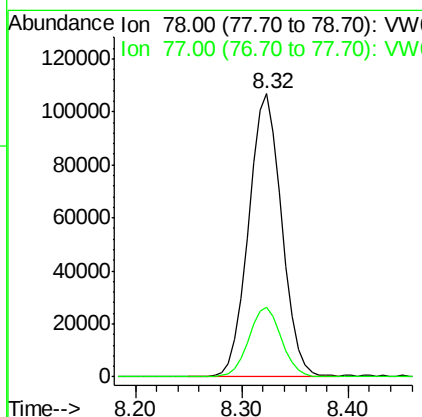
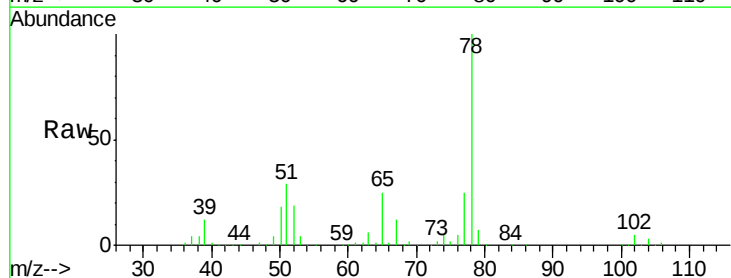
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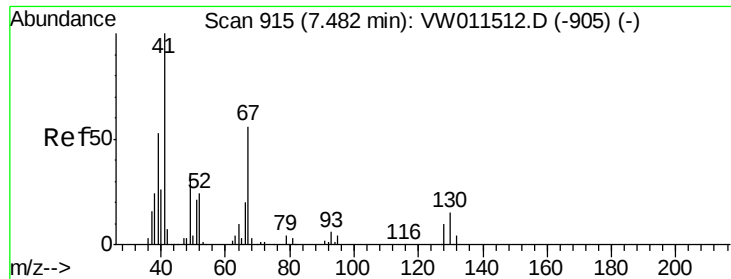
MMDadoda
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#40
Benzene
Concen: 21.361 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.0





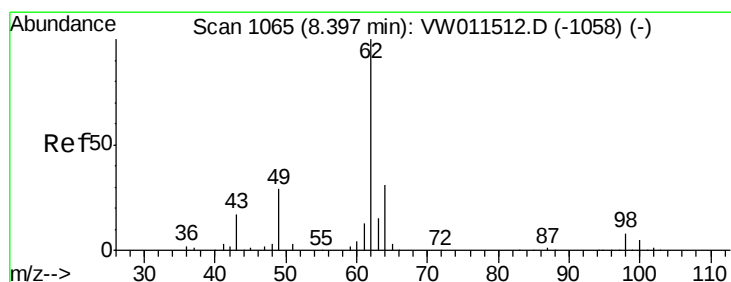
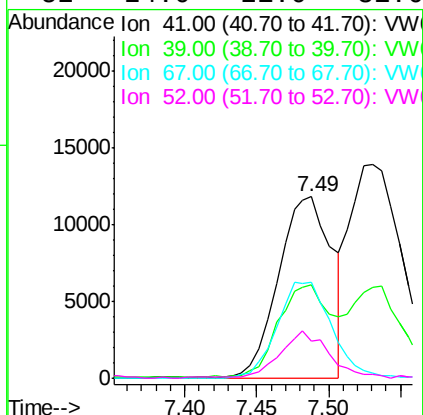
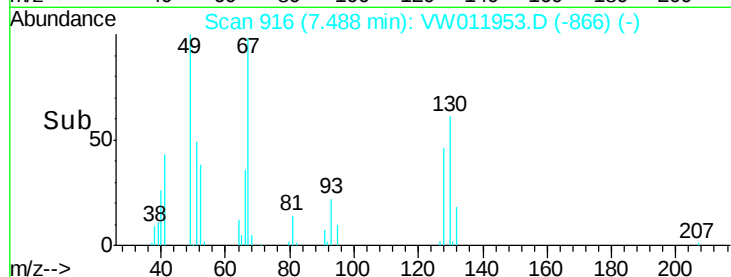
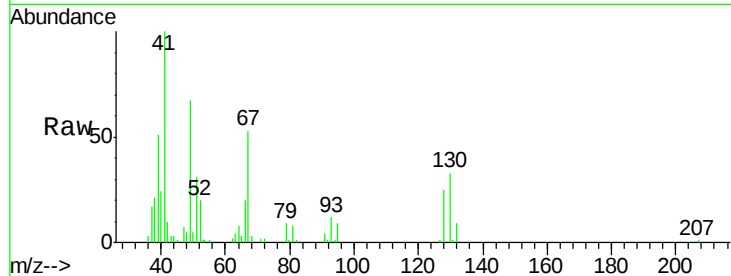
#41
Methacrylonitrile
Concen: 22.764 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.5	43.0	64.4
67	54.1	47.5	71.3
52	24.0	21.0	31.6

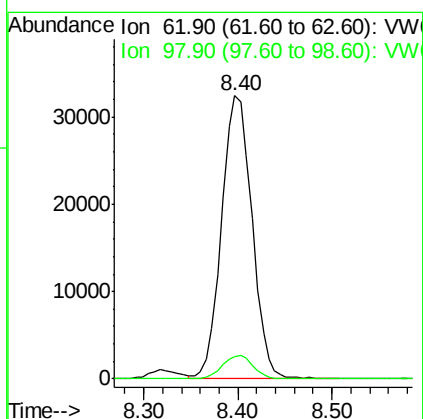
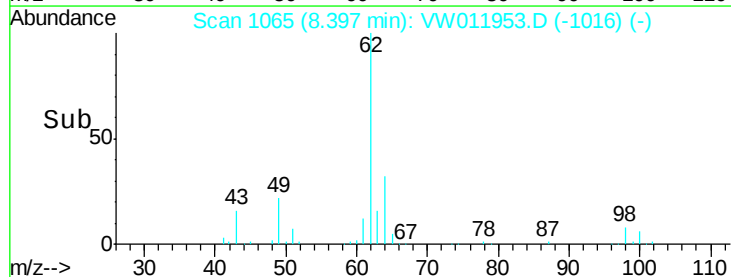
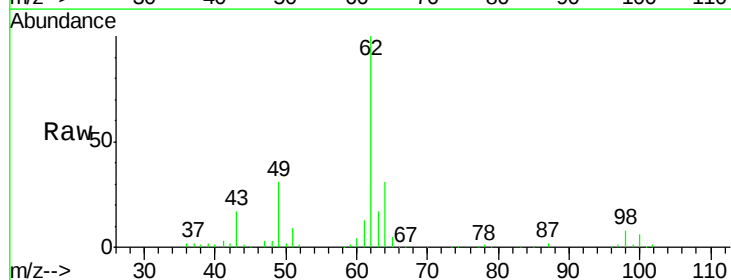
Manual Integrations
APPROVED

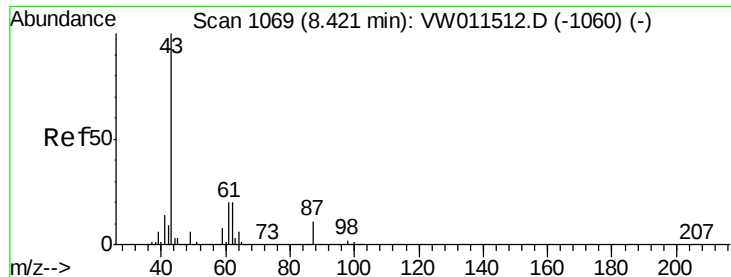
MMDadoda
8/19/2019 10:55:15 AM



#42
1,2-Dichloroethane
Concen: 21.290 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 21.047 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

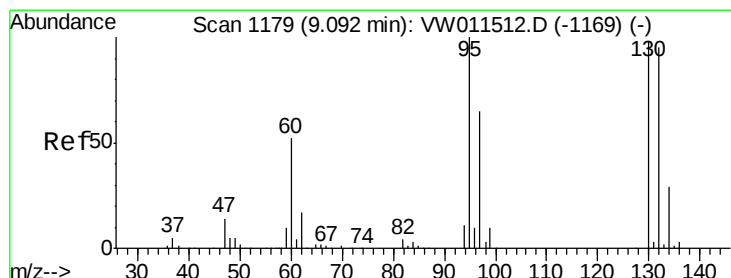
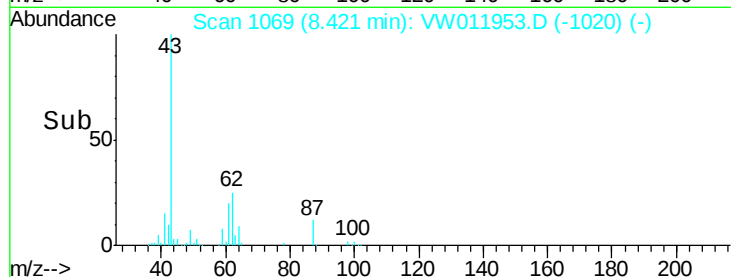
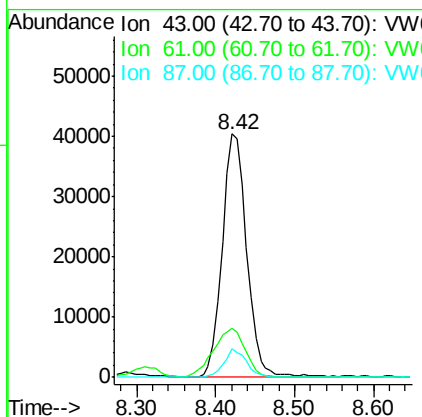
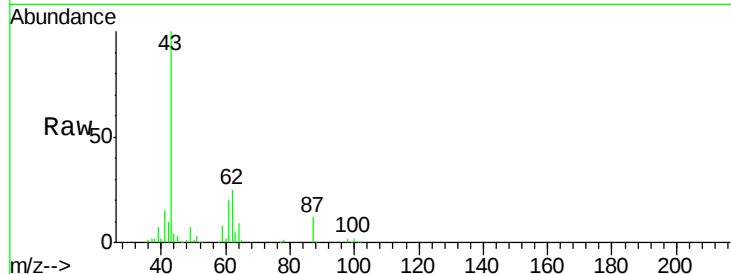
ClientSampleId :

VW0817SBS01

Tot Ion:	43	Resp:	86784
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.5	32.3
87	10.7	8.4	12.6

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#44

Trichloroethene

Concen: 21.512 ug/l

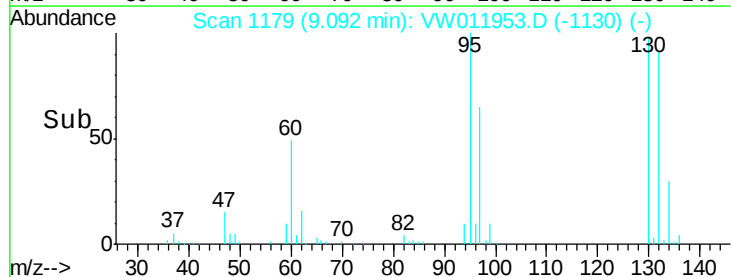
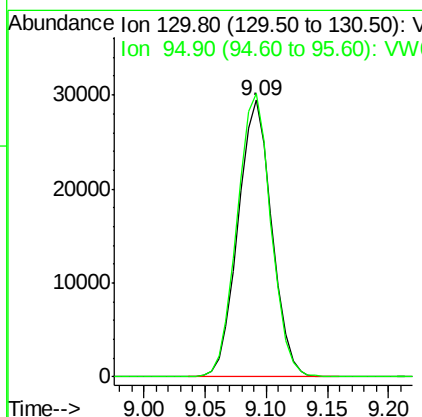
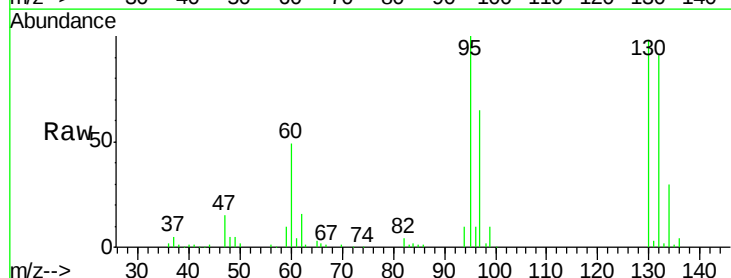
RT: 9.09 min Scan# 1179

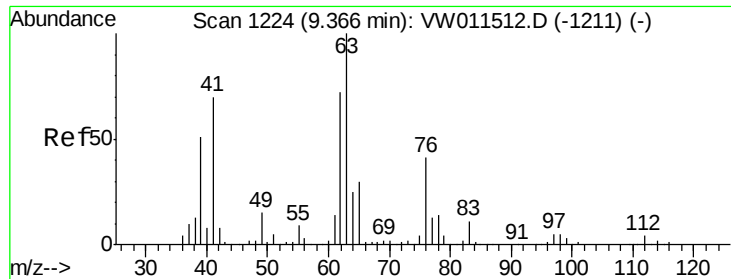
Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion:	130	Resp:	56438
Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	204.8





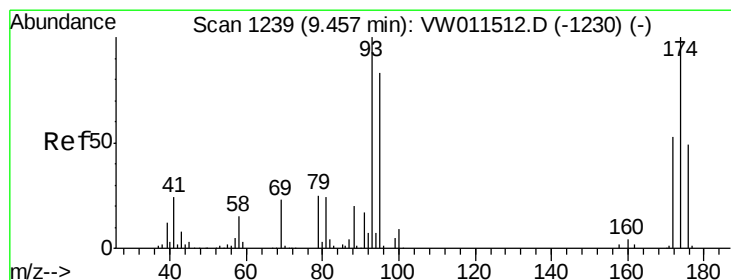
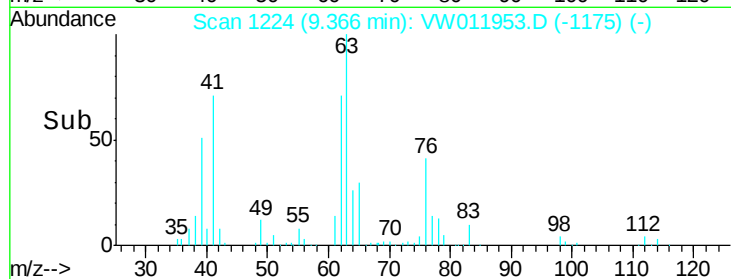
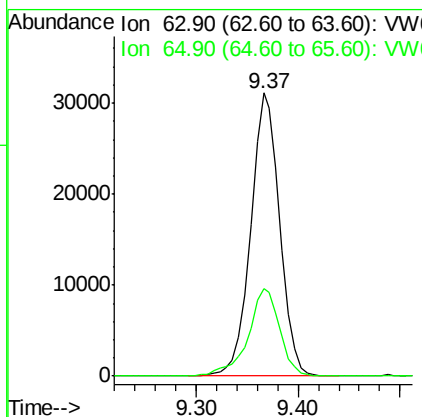
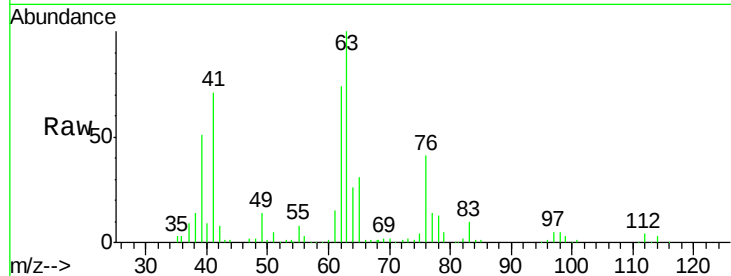
#45
 1,2-Dichloropropane
 Concen: 21.047 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion: 63 Resp: 61472
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.4

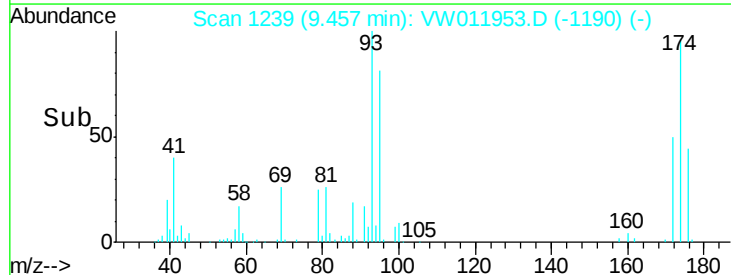
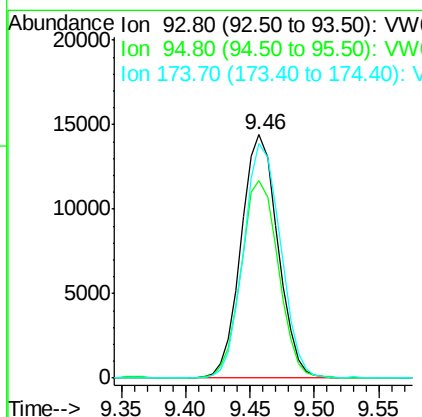
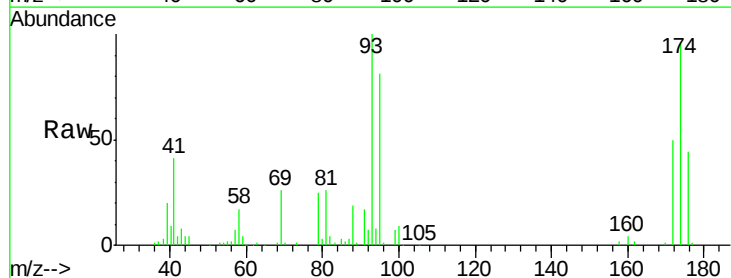
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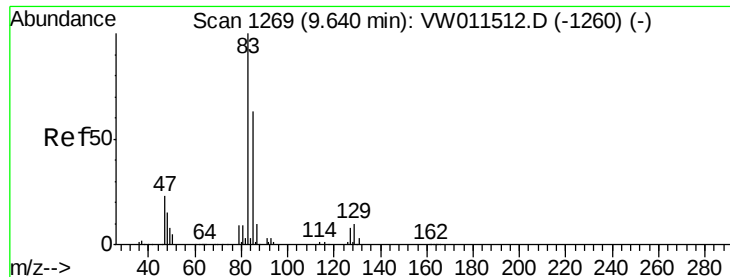
MMDadoda
 8/19/2019 10:55:15 AM



#46
 Dibromomethane
 Concen: 21.336 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion: 93 Resp: 28442
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.2
 174 97.1 78.2 117.4





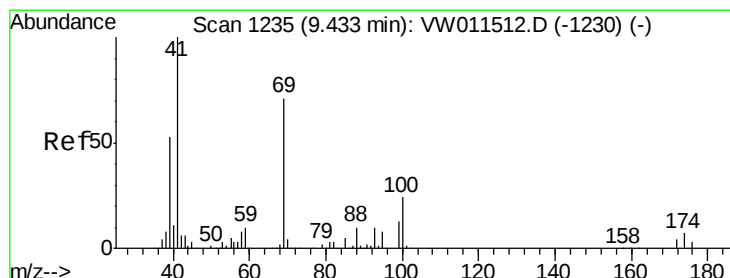
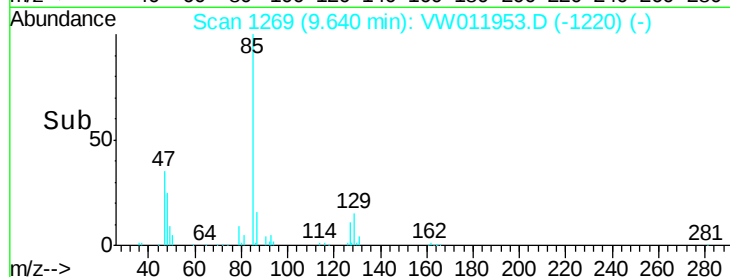
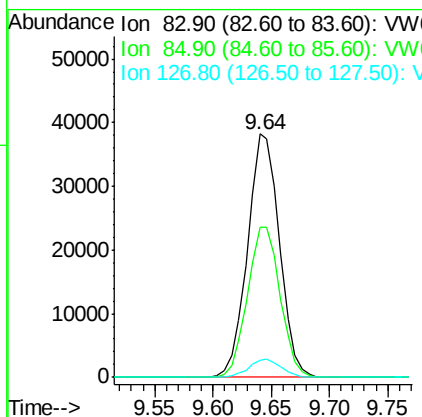
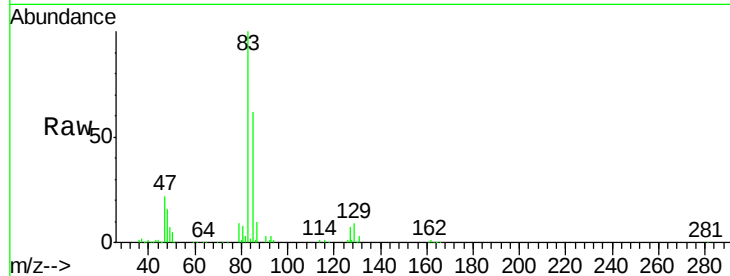
#47
Bromodichloromethane
Concen: 20.918 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	83	Resp	73147
Ion Ratio	100	Lower	Upper
83	100		
85	61.6	50.5	75.7
127	6.9	6.4	9.6

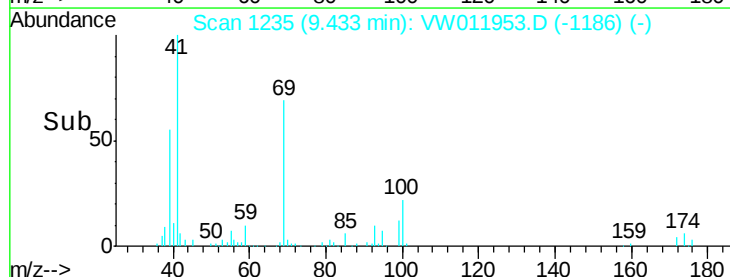
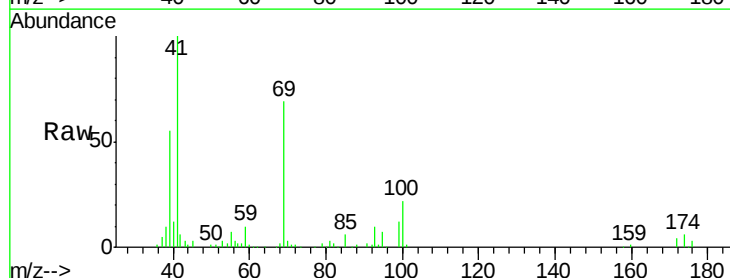
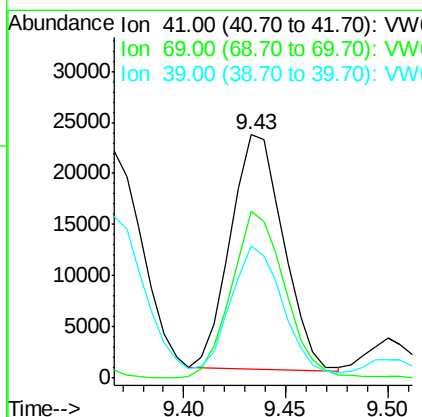
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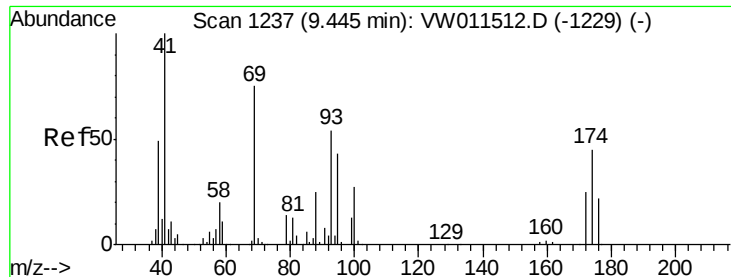
MMDadoda
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#48
Methyl methacrylate
Concen: 20.940 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	41	Resp	41477
Ion Ratio	100	Lower	Upper
41	100		
69	72.6	57.1	85.7
39	56.7	45.4	68.2





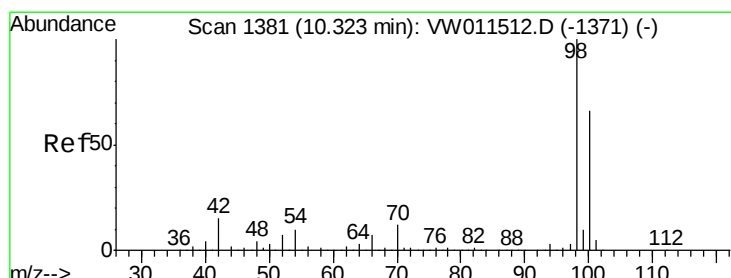
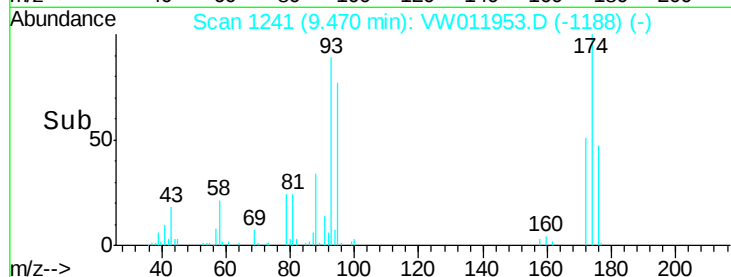
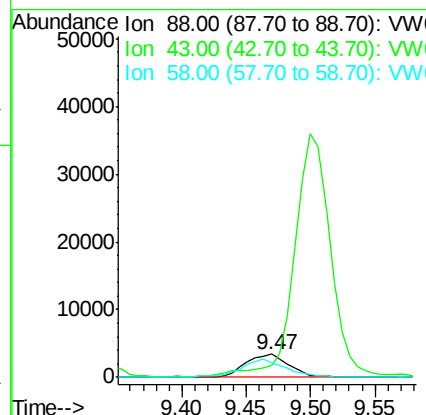
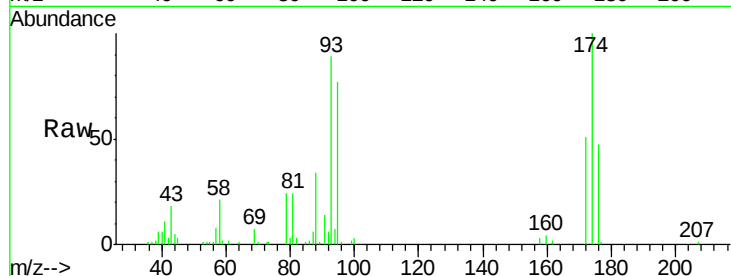
#49
1,4-Dioxane
Concen: 416.897 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.0	51.0#
58	83.3	69.7	104.5

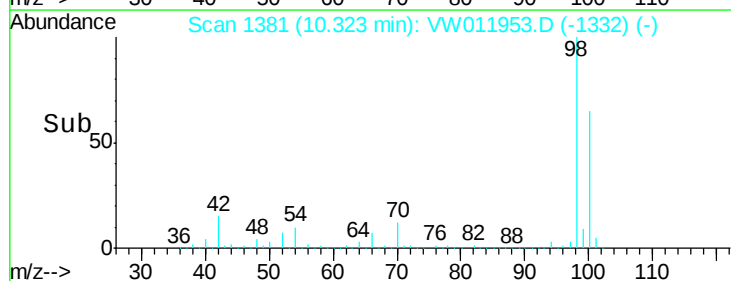
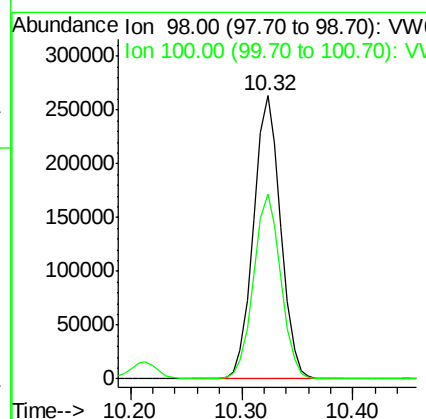
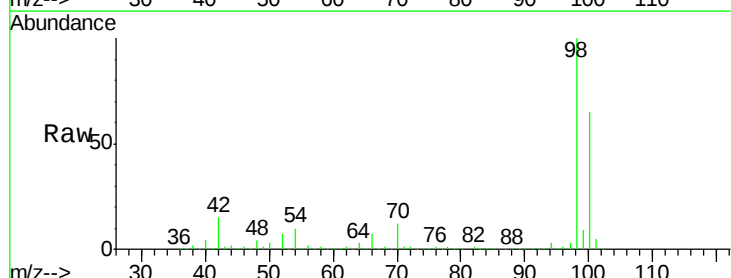
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#50
Toluene-d8
Concen: 51.893 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 105.791 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampled :

VW0817SBS01

Tot Ion: 43 Resp: 226897

Ion Ratio Lower Upper

43 100

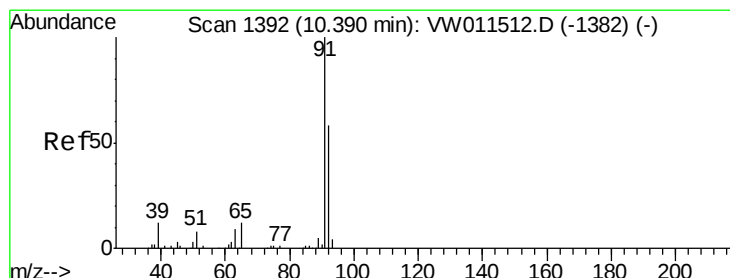
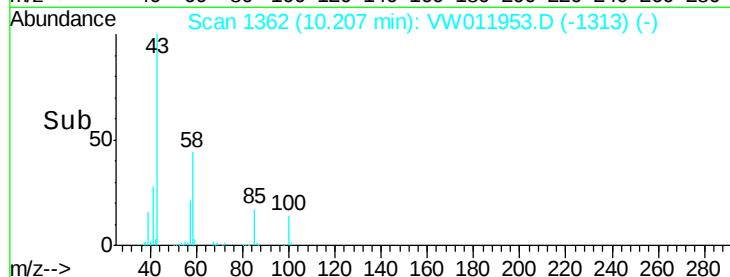
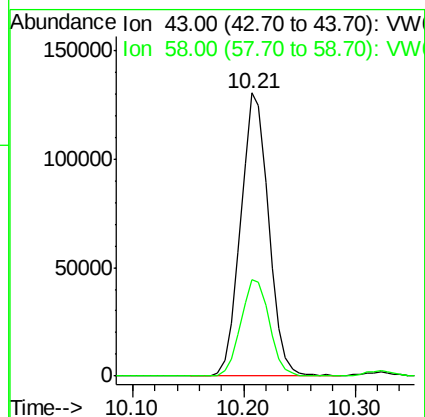
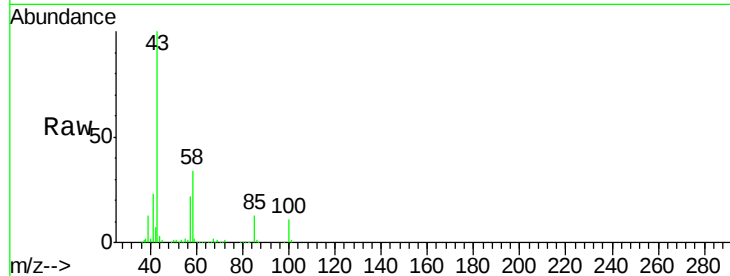
58 35.0 28.2 42.2

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#52

Toluene

Concen: 21.507 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011953.D

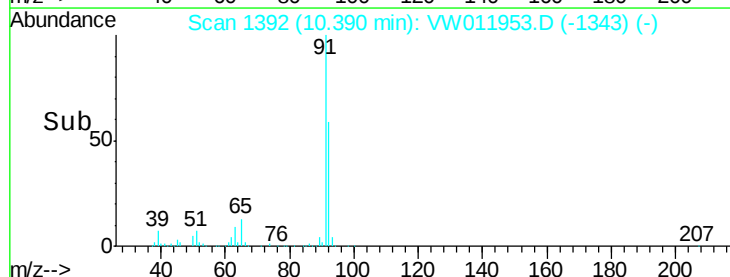
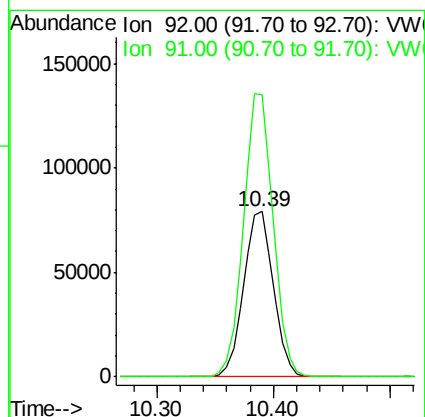
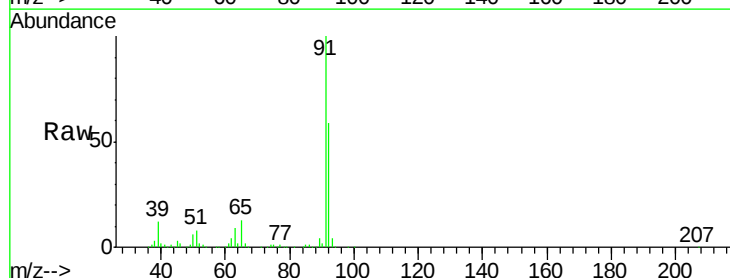
Acq: 16 Aug 2019 10:08

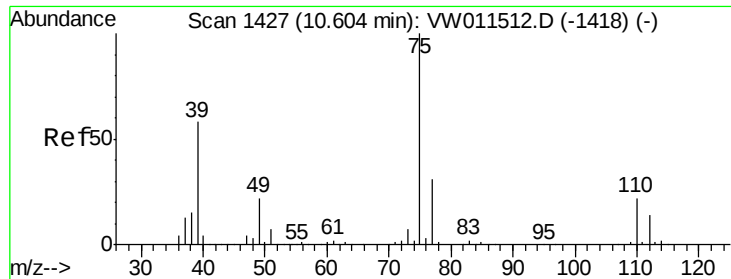
Tgt Ion: 92 Resp: 141777

Ion Ratio Lower Upper

92 100

91 170.5 136.7 205.1





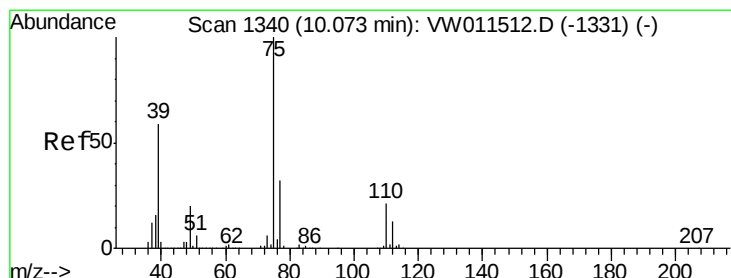
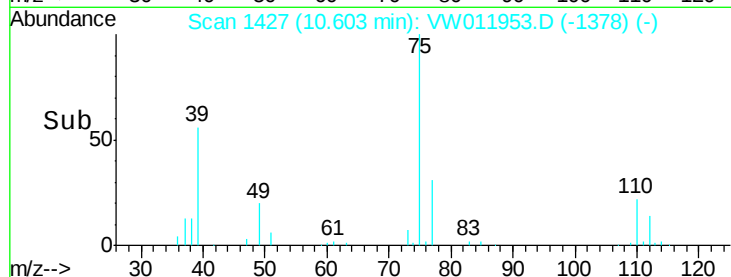
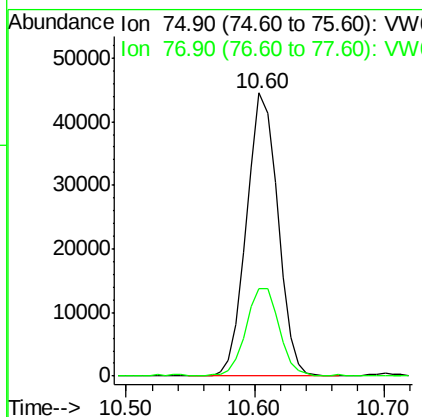
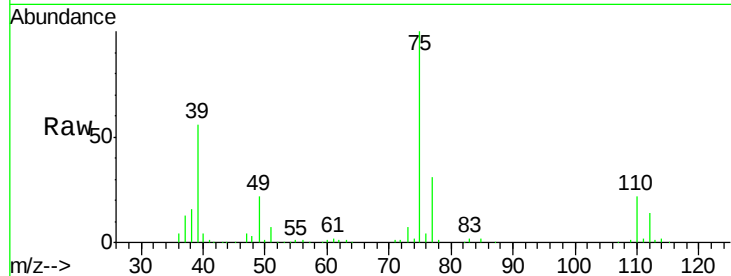
#53
t-1,3-Dichloropropene
Concen: 20.542 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	75	Resp	75038
Ion Ratio	100	Lower	Upper
77	30.4	25.0	37.4

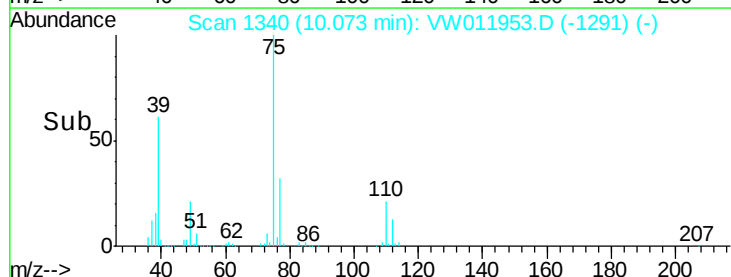
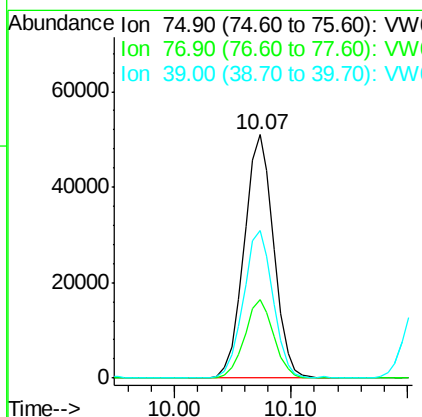
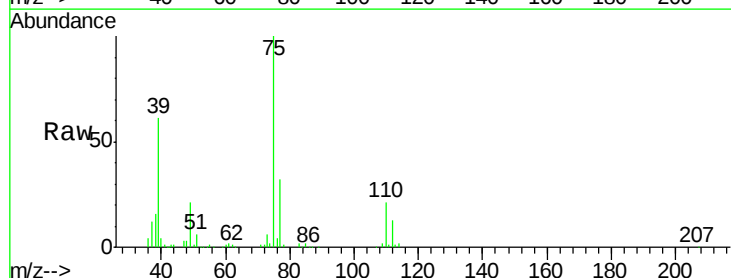
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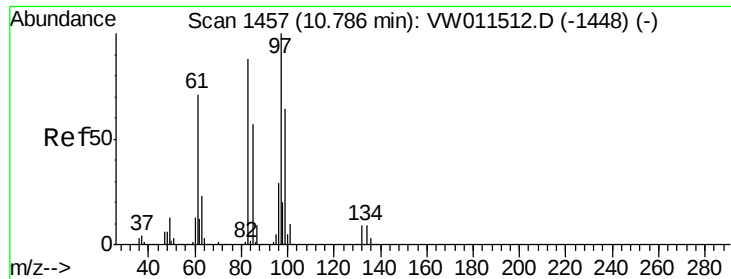
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#54
cis-1,3-Dichloropropene
Concen: 20.713 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	75	Resp	89961
Ion Ratio	100	Lower	Upper
77	32.0	25.6	38.4
39	60.6	47.0	70.4





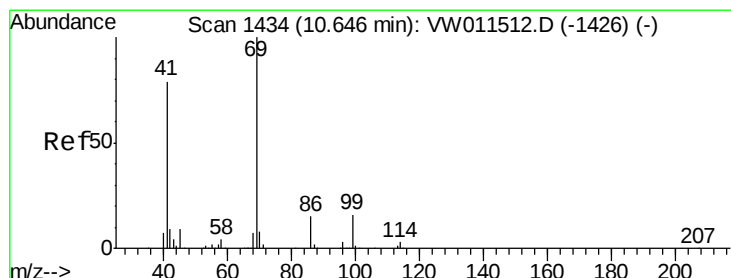
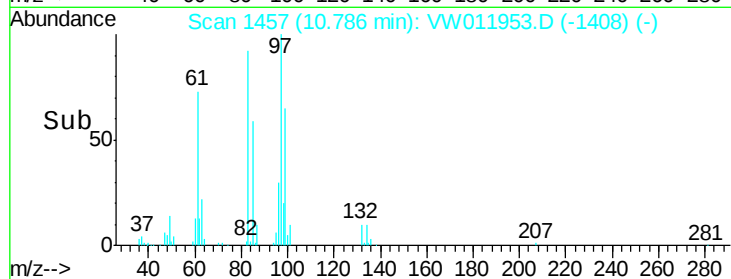
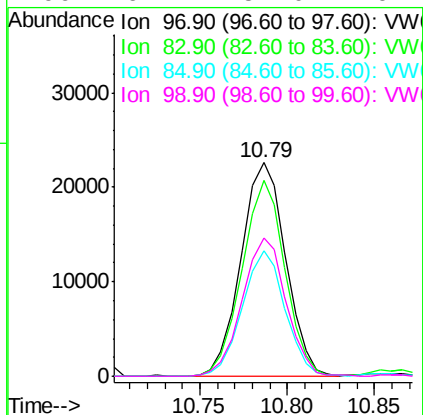
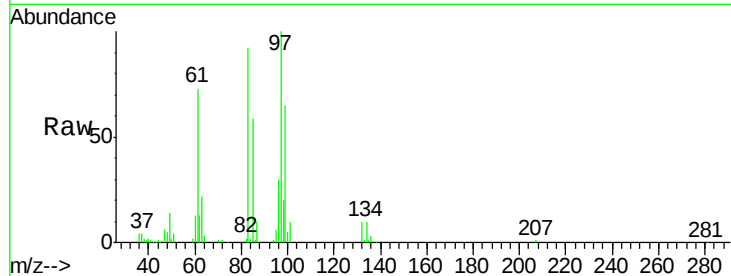
#55
 1,1,2-Trichloroethane
 Concen: 21.214 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion:	97	Resp:	40125
Ion	Ratio	Lower	Upper
97	100		
83	91.6	70.5	105.7
85	58.8	45.8	68.6
99	64.7	51.0	76.4

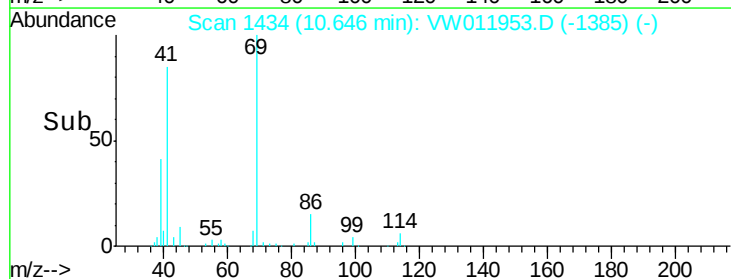
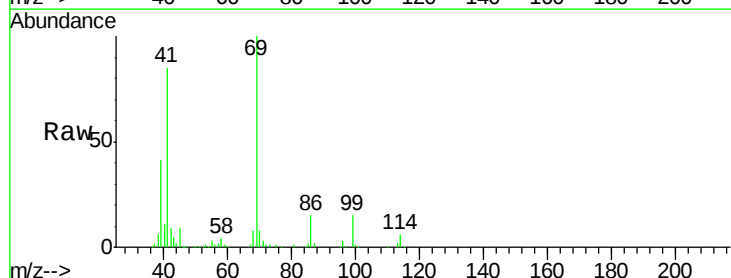
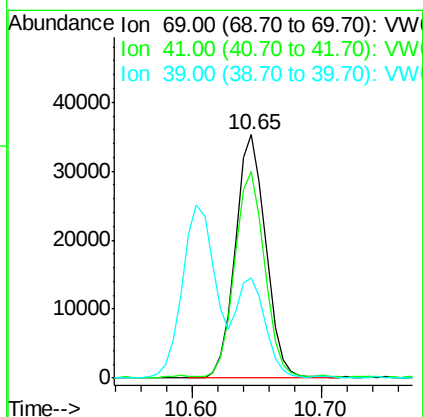
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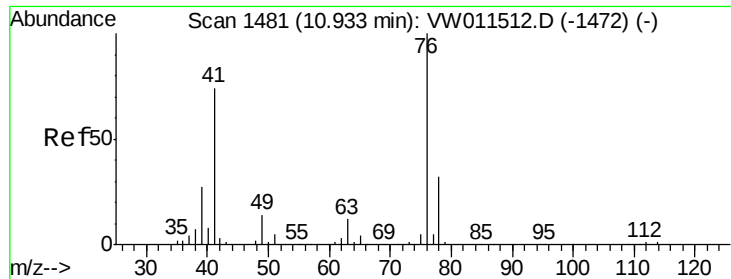
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#56
 Ethyl methacrylate
 Concen: 20.914 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion:	69	Resp:	57886
Ion	Ratio	Lower	Upper
69	100		
41	83.0	66.6	99.8
39	38.2	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.137 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tot Ion: 76 Resp: 75638

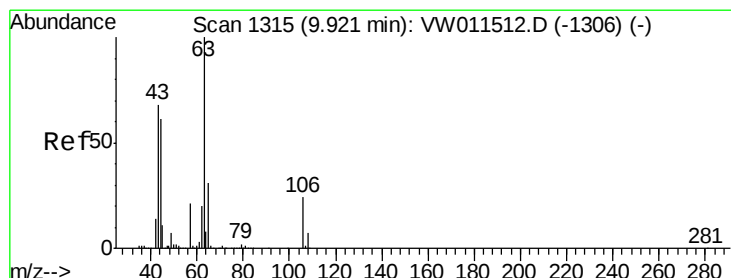
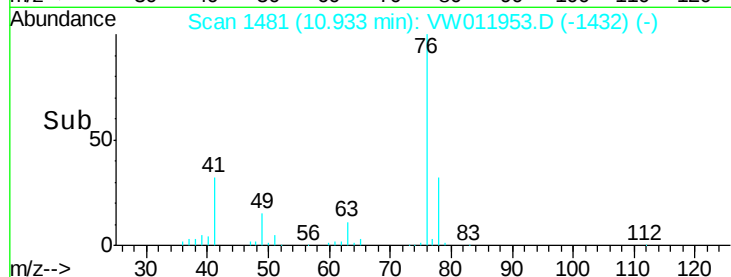
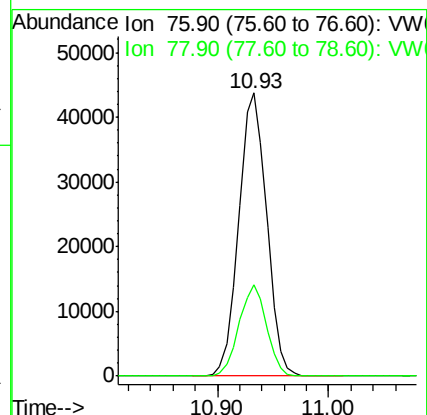
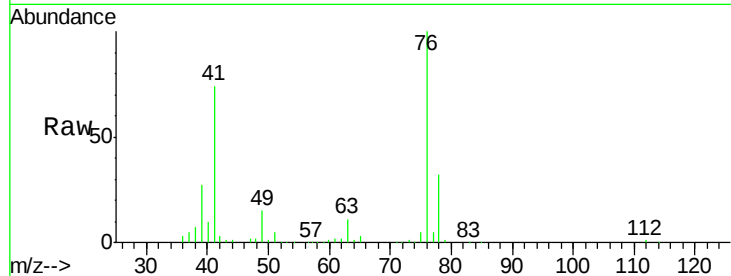
Ion Ratio Lower Upper

76 100

78 31.9 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 121.475 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW011953.D

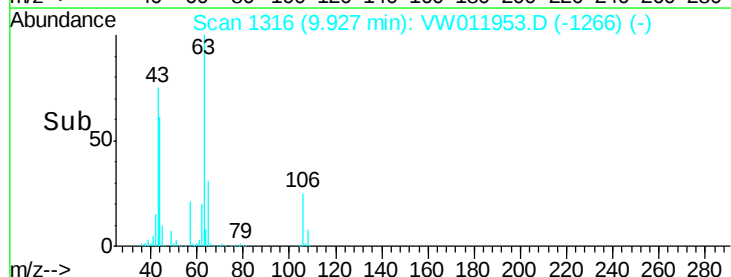
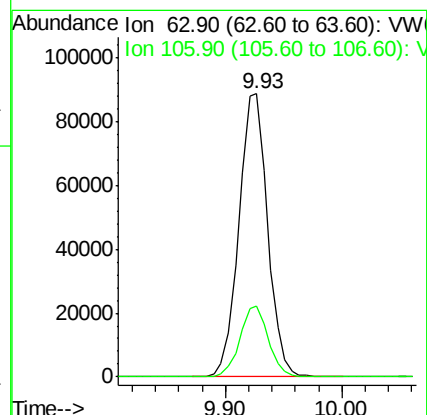
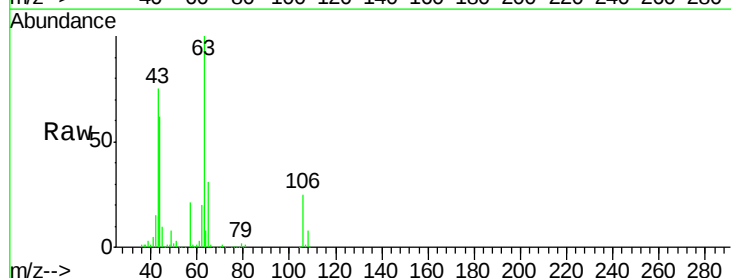
Acq: 16 Aug 2019 10:08

Tgt Ion: 63 Resp: 152656

Ion Ratio Lower Upper

63 100

106 24.7 19.7 29.5





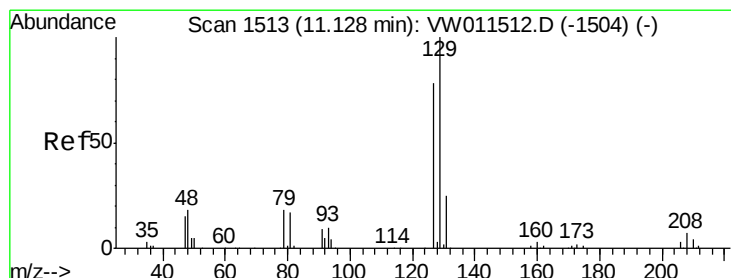
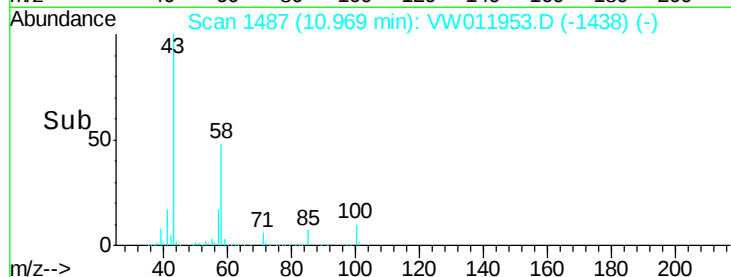
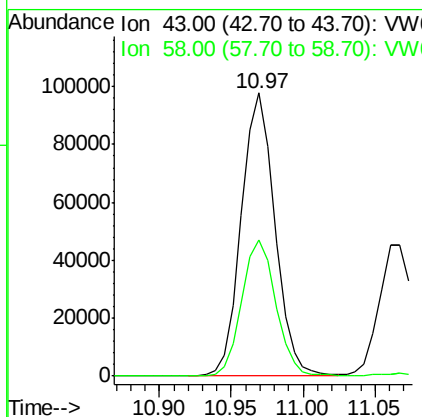
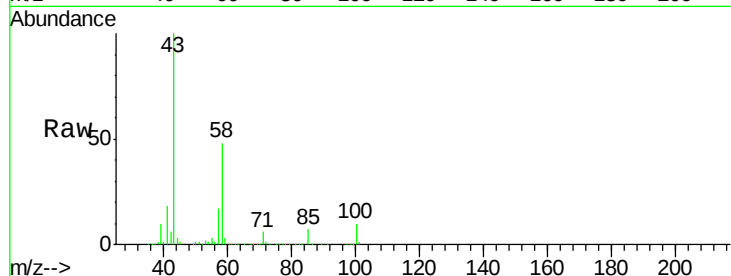
#59
2-Hexanone
Concen: 104.653 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	43	Resp	158481
Ion Ratio	43	100	
Lower	58	48.8	24.3
Upper			72.9

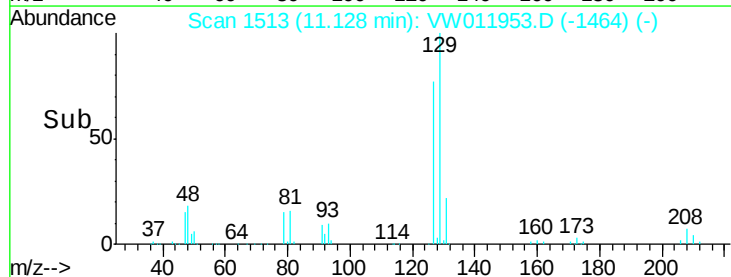
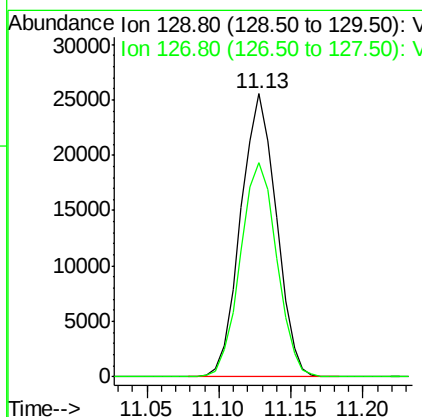
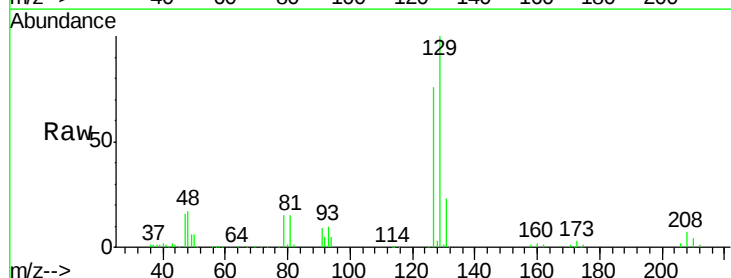
Manual Integrations
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8/19/2019 10:55:15 AM



#60
Dibromochloromethane
Concen: 20.892 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	129	Resp	43863
Ion Ratio	129	100	
Lower	127	77.4	38.9
Upper			116.7





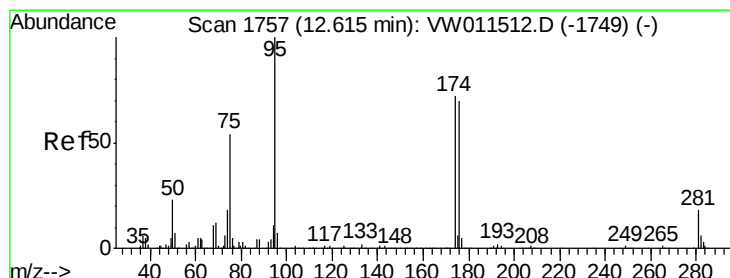
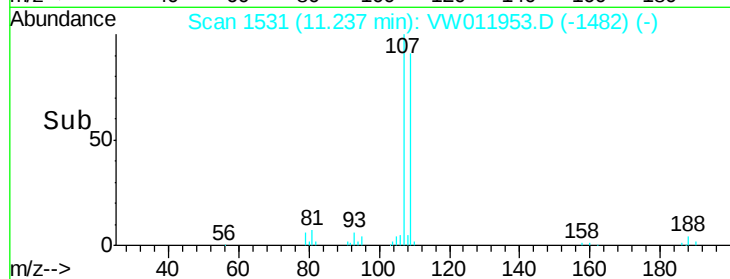
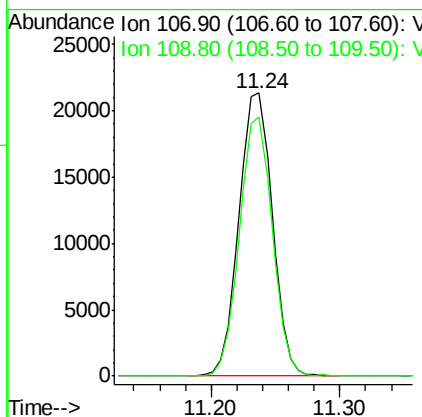
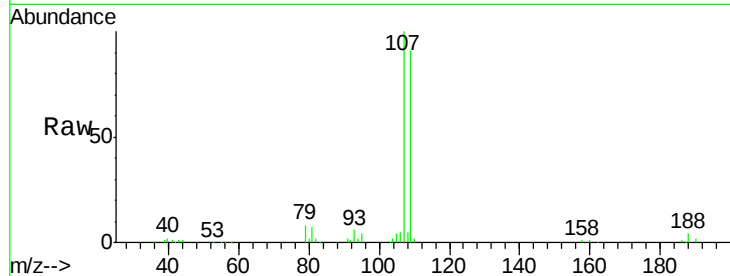
#61
 1,2-Dibromoethane
 Concen: 21.482 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.3	75.0	112.6

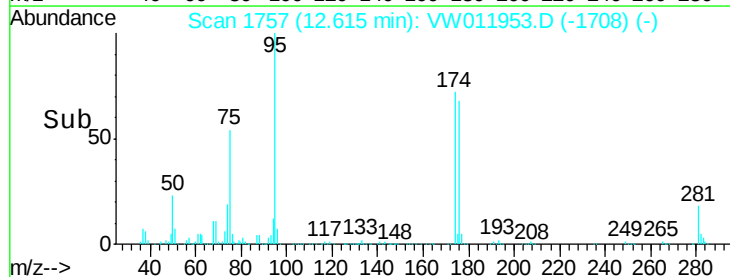
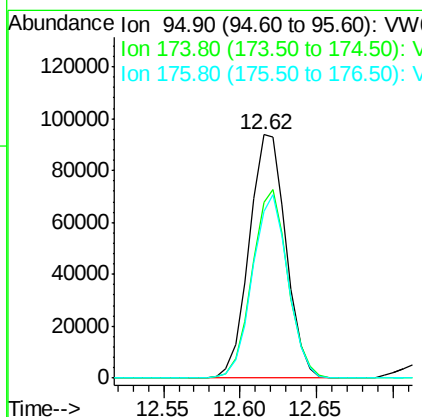
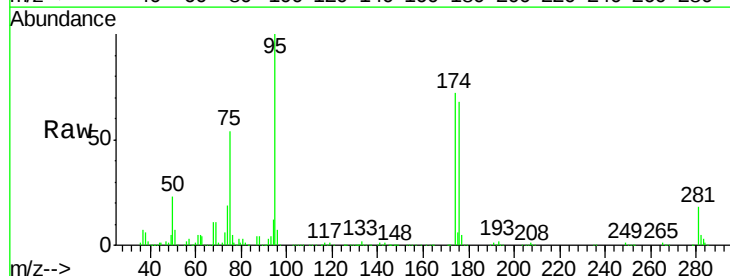
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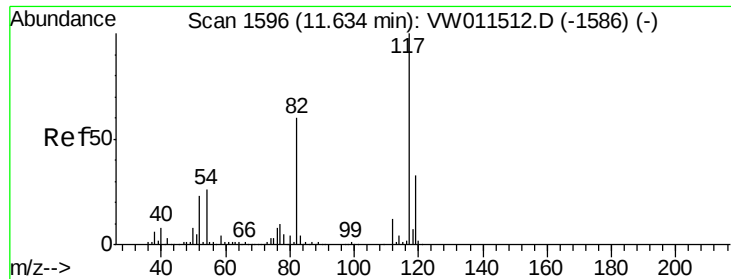
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#62
 4-Bromofluorobenzene
 Concen: 51.007 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.2
176	72.9	0.0	144.4





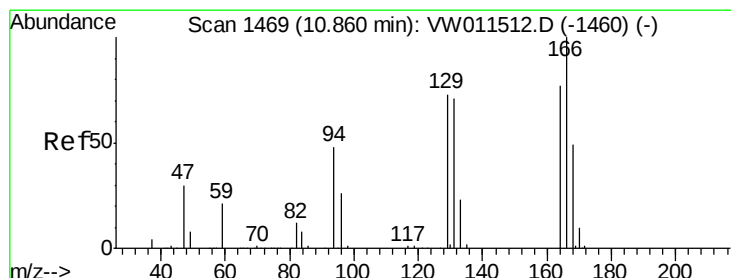
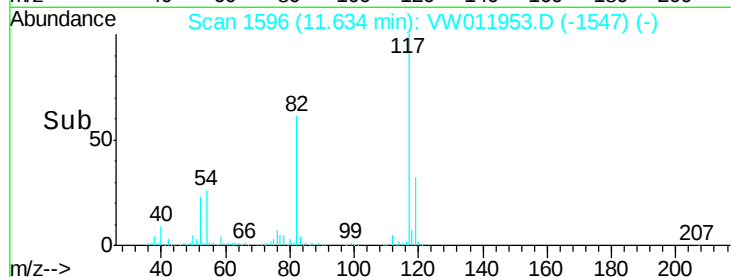
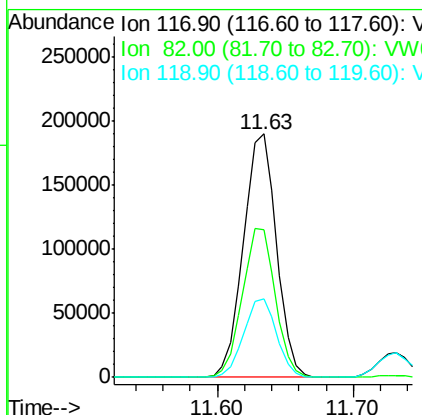
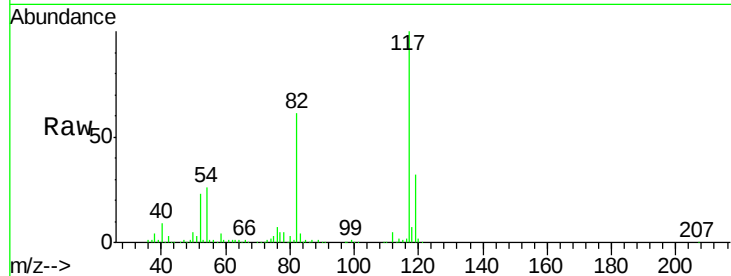
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	323986		
82	60.6		47.9	71.9
119	32.1		26.2	39.2

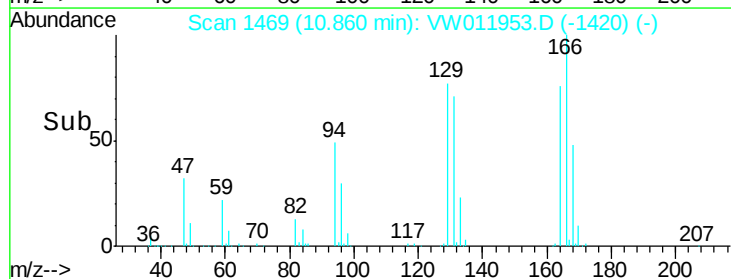
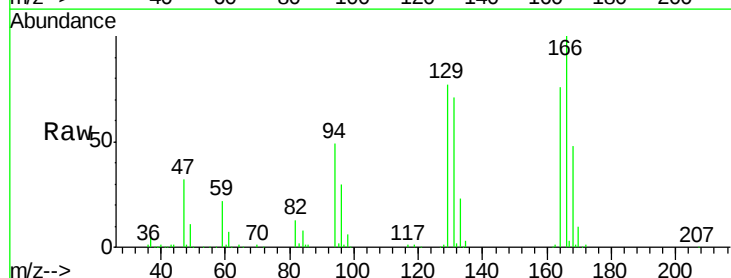
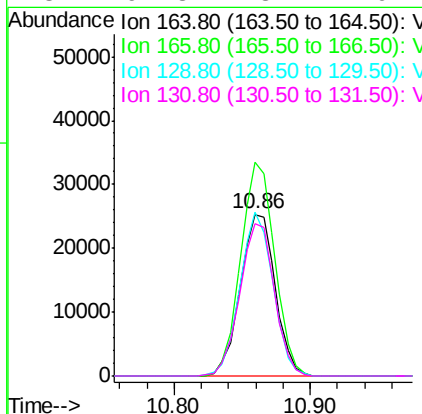
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#64
Tetrachloroethene
Concen: 21.531 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45419		
166	132.3		103.5	155.3
129	101.8		75.2	112.8
131	94.3		73.4	110.2





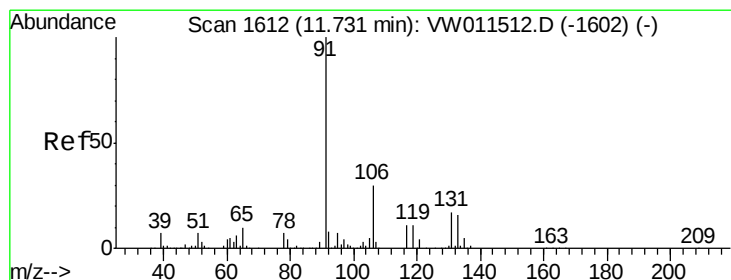
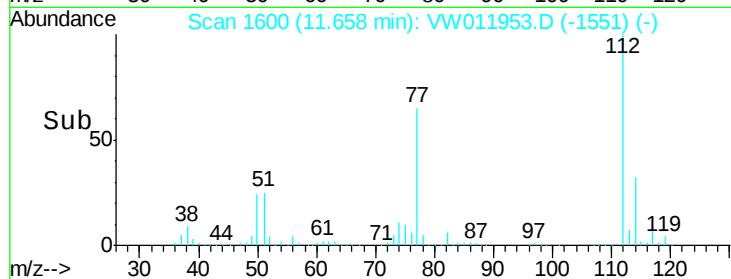
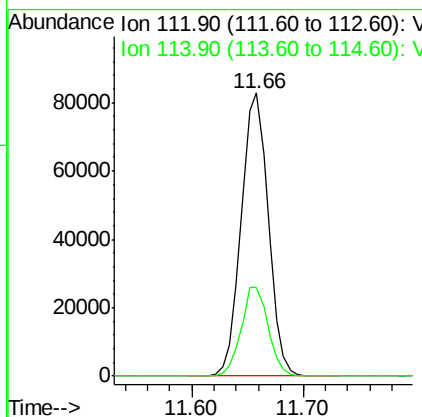
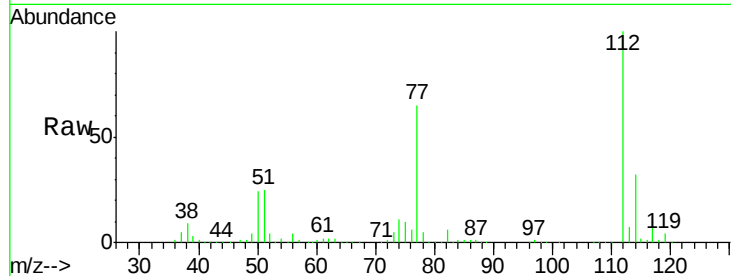
#65
Chlorobenzene
Concen: 21.467 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion:112 Resp: 139828
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4

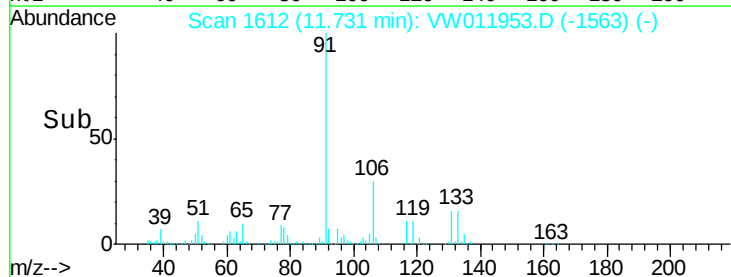
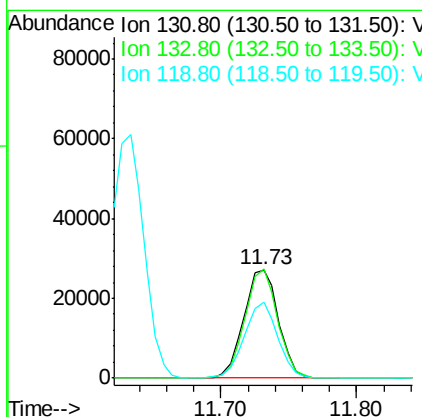
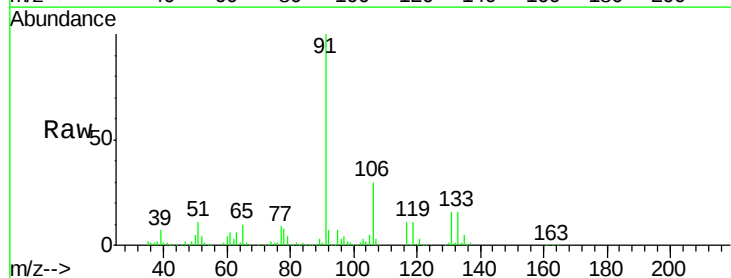
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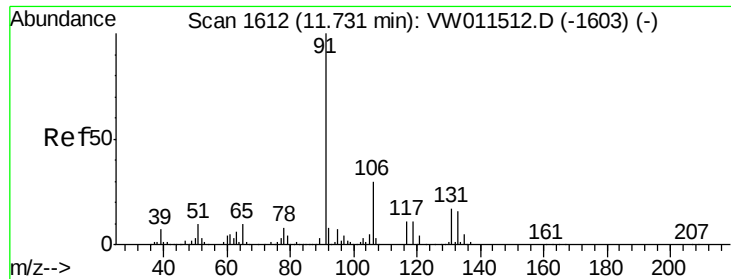
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.317 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion:131 Resp: 48366
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 66.6 32.3 96.9





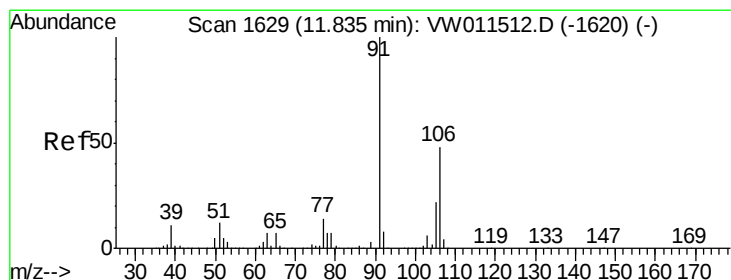
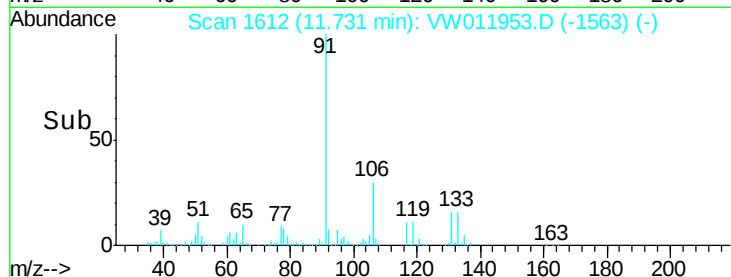
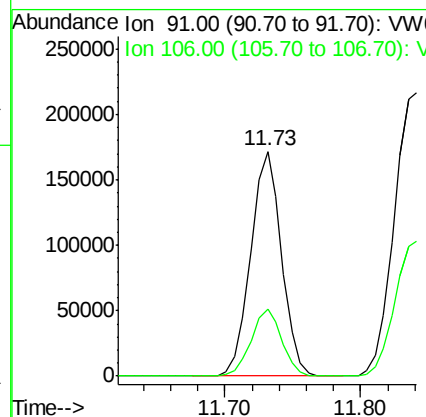
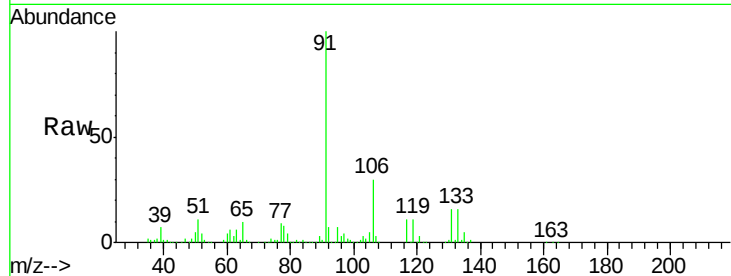
#67
Ethyl Benzene
Concen: 21.960 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion: 91 Resp: 272424
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

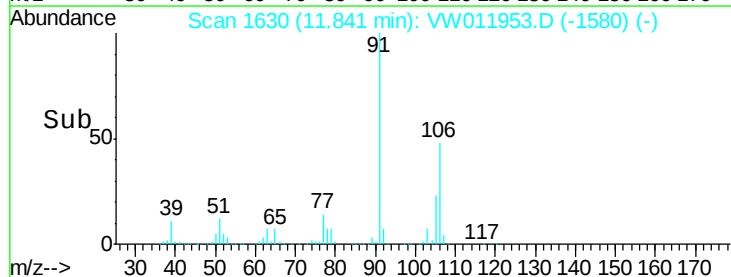
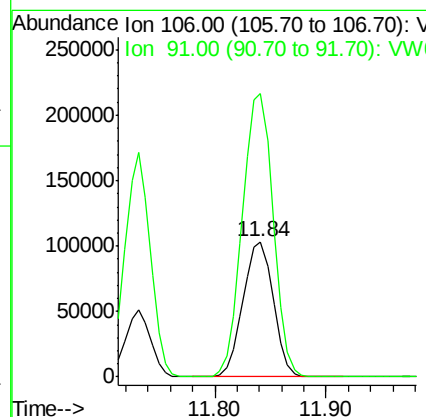
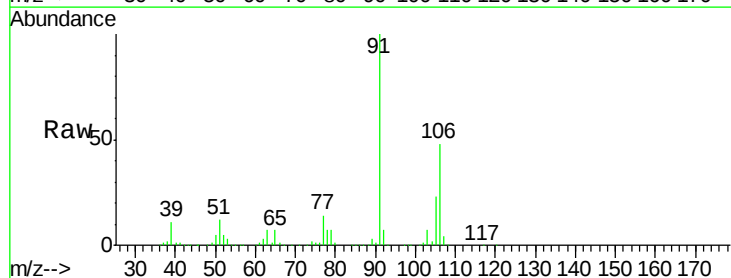
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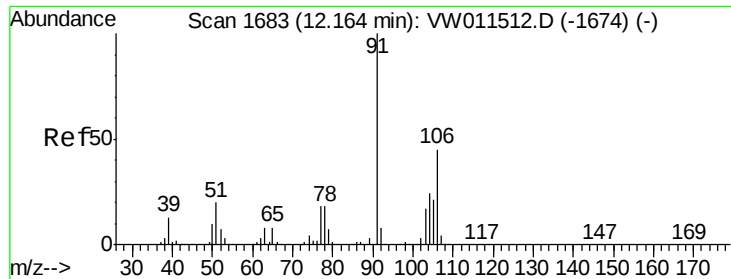
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#68
m/p-Xylenes
Concen: 43.424 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion: 106 Resp: 195908
Ion Ratio Lower Upper
106 100
91 211.8 168.2 252.2





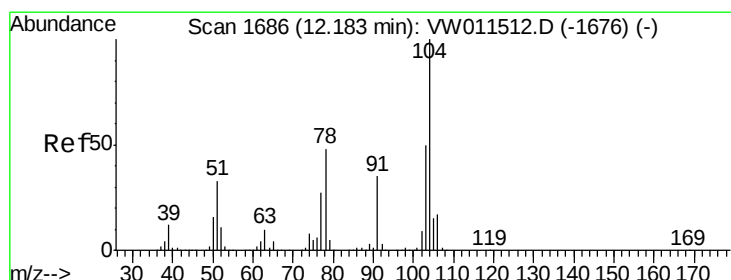
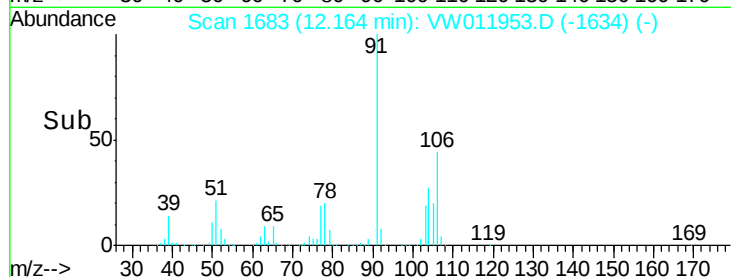
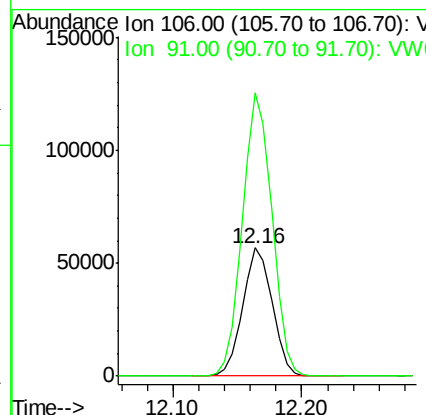
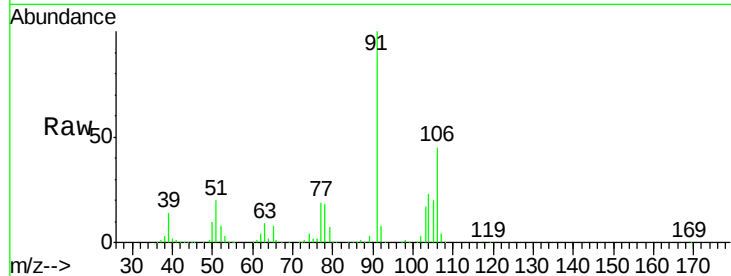
#69
o-Xylene
Concen: 21.476 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		90035		
91	221.3	110.5	331.5		

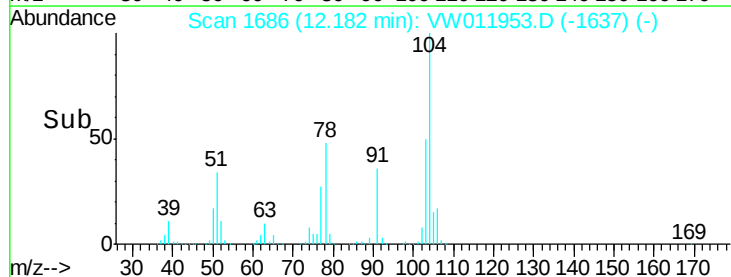
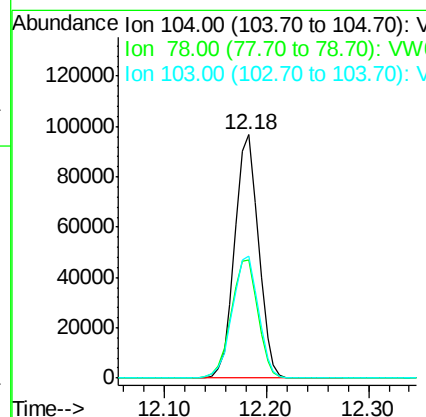
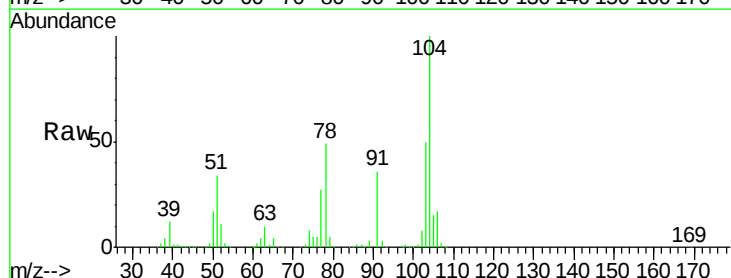
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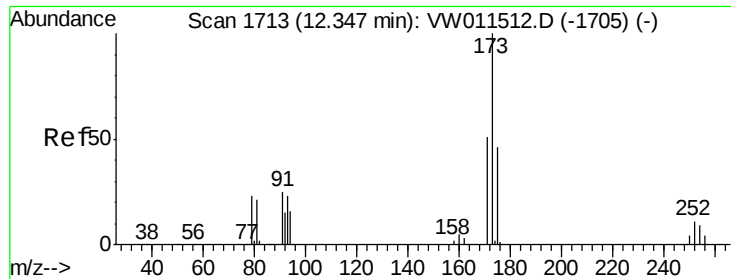
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#70
Styrene
Concen: 21.496 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		155818		
78	54.6	43.4	65.0		
103	55.1	43.9	65.9		





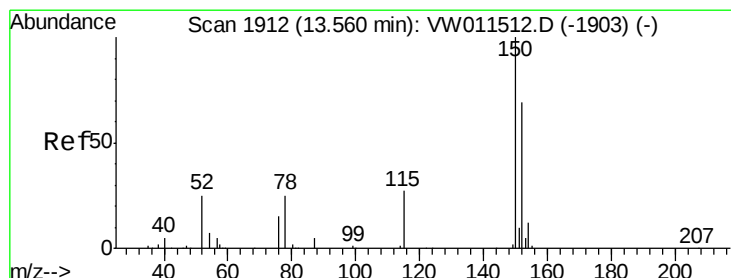
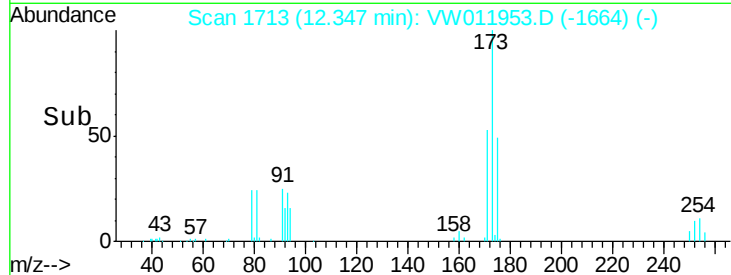
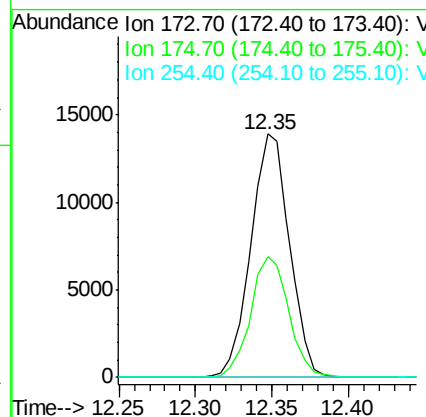
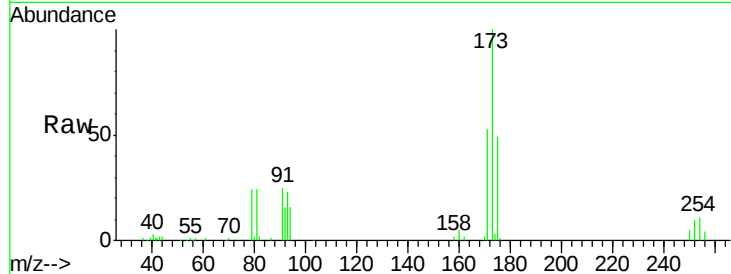
#71
Bromoform
Concen: 21.102 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.6	71.0
254	0.0	0.1	0.1#

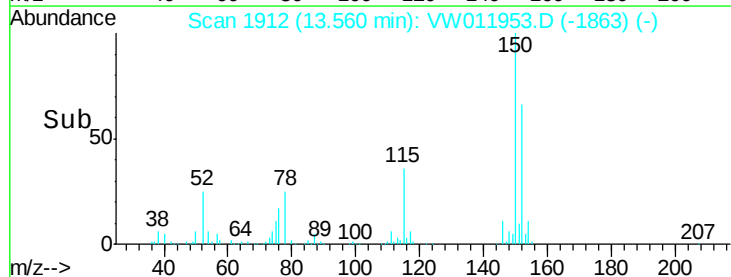
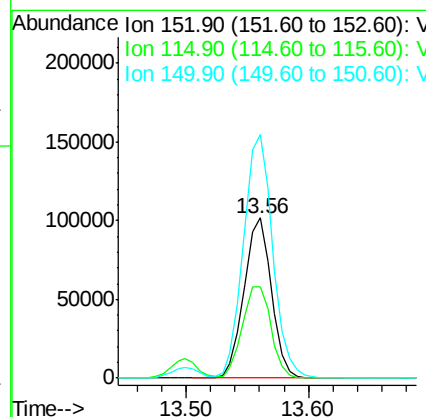
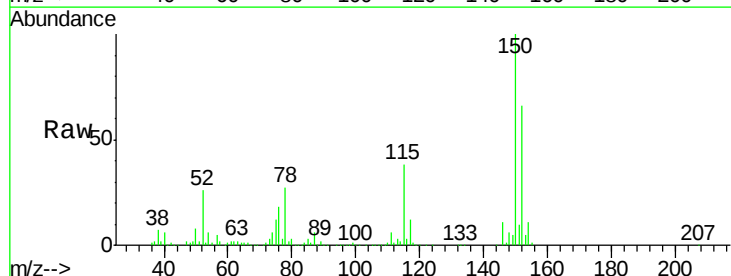
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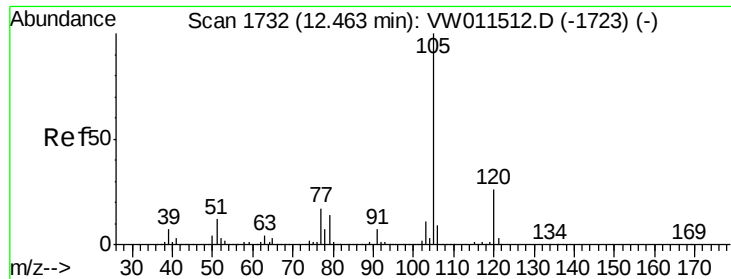
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.5	91.5
150	161.9	0.0	352.6





#73

Isopropylbenzene

Concen: 21.904 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tot Ion:105 Resp: 258558

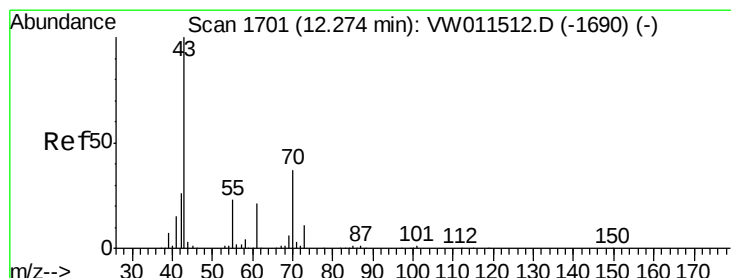
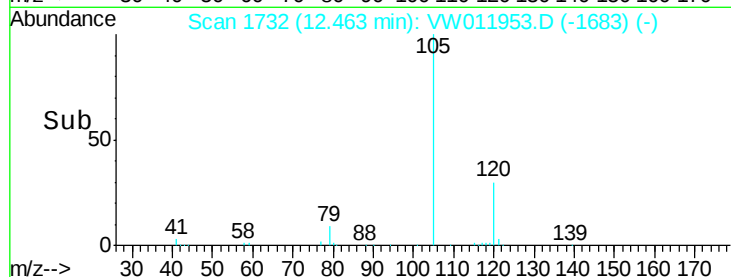
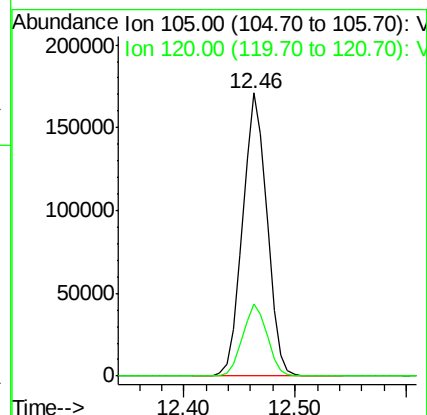
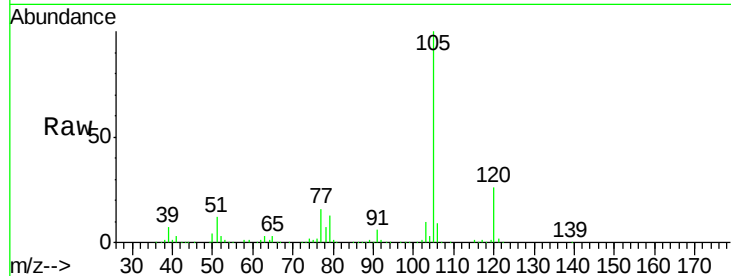
Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7

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#74

N-ethyl acetate

Concen: 21.563 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion: 43 Resp: 79688

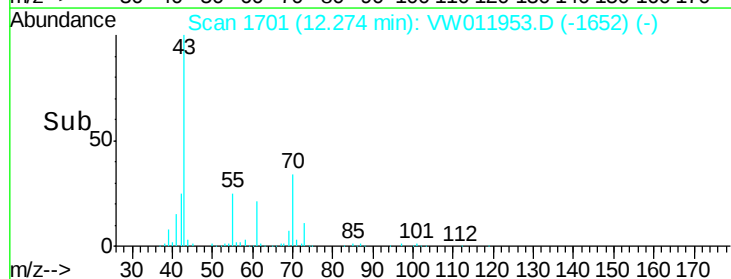
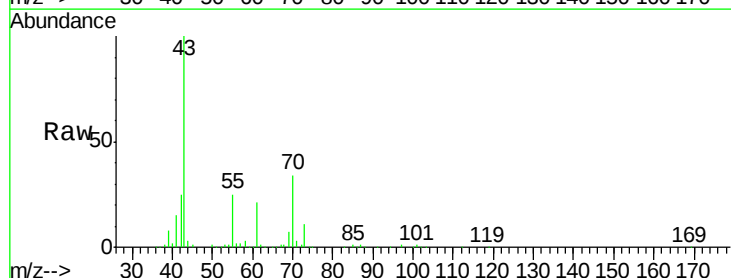
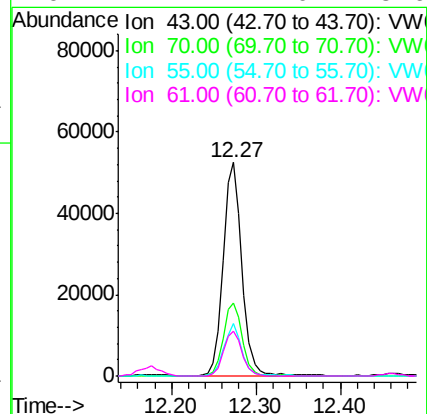
Ion Ratio Lower Upper

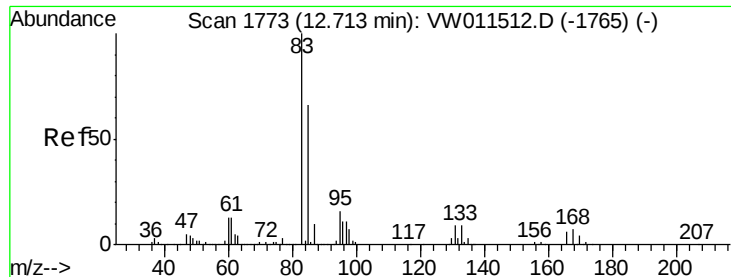
43 100

70 34.7 28.6 43.0

55 23.3 17.8 26.8

61 21.1 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.551 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

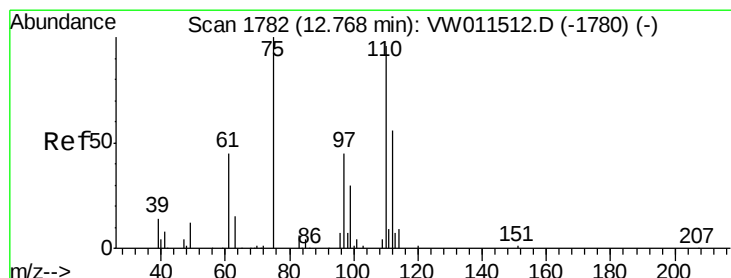
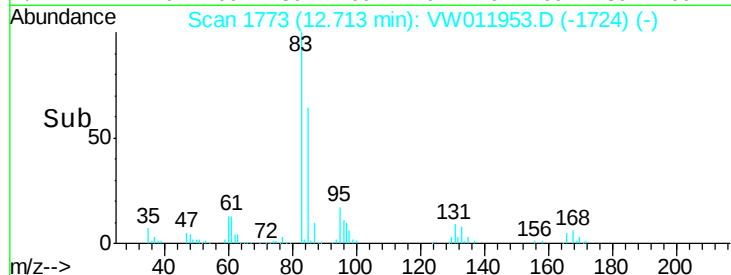
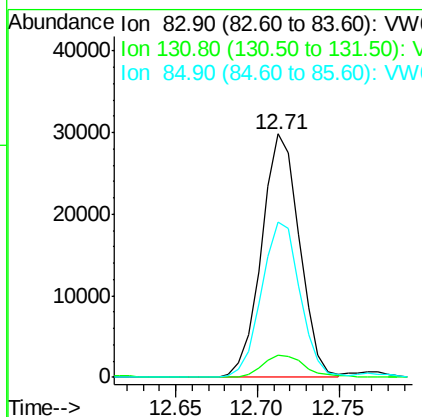
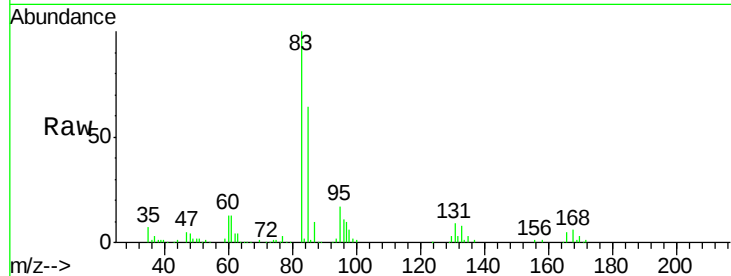
ClientSampleId :

VW0817SBS01

Tot Ion:	83	Resp:	47850
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	65.2	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 20.204 ug/l m

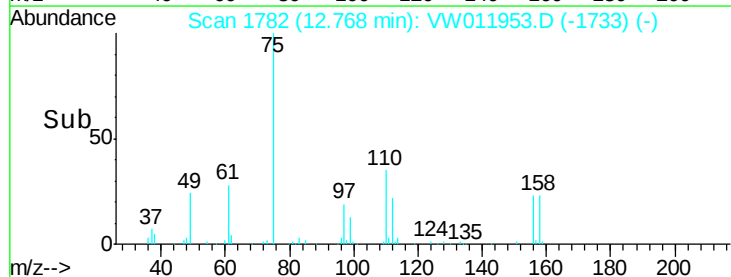
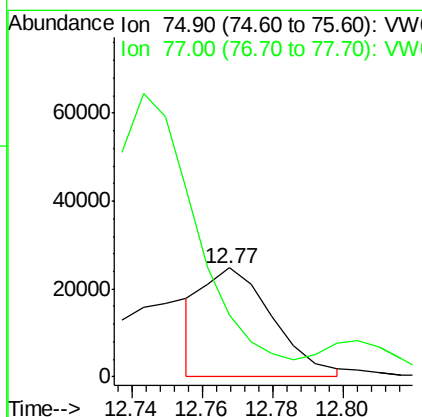
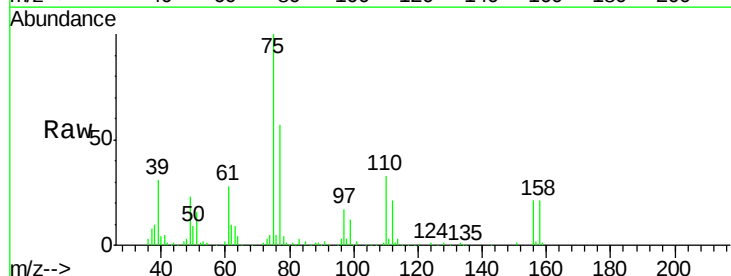
RT: 12.77 min Scan# 1782

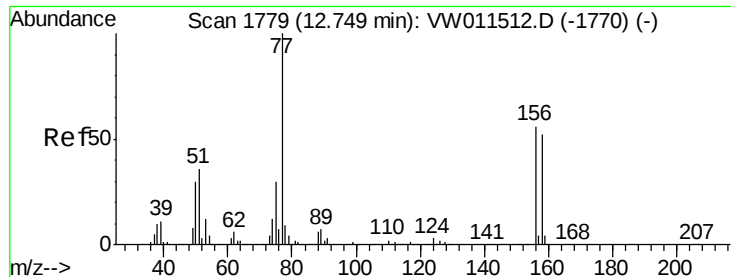
Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion:	75	Resp:	33825
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





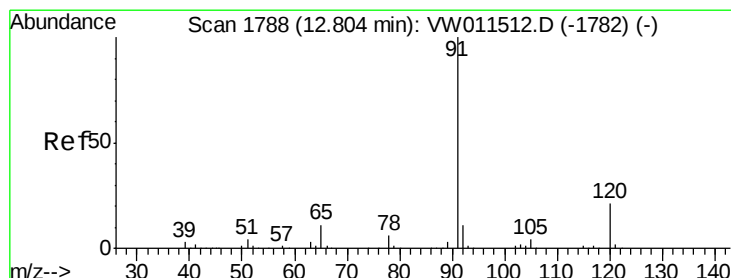
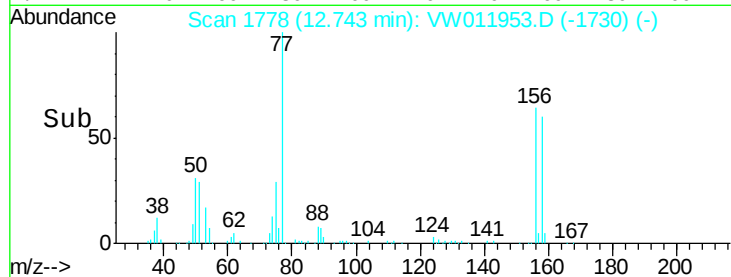
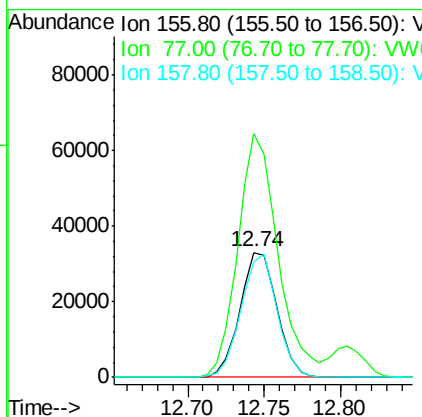
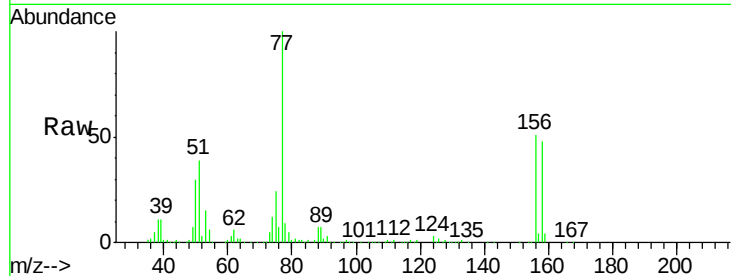
#77
Bromobenzene
Concen: 21.235 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.1	106.5	319.4
158	96.2	48.0	144.2

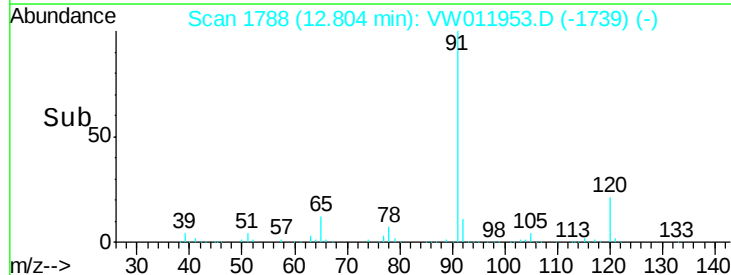
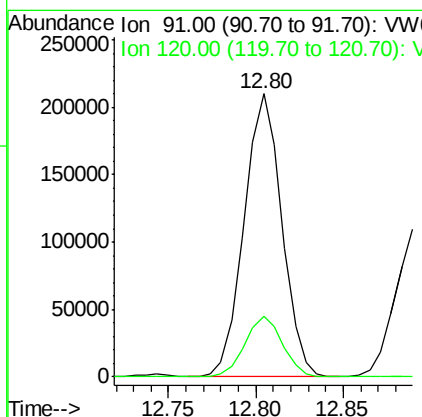
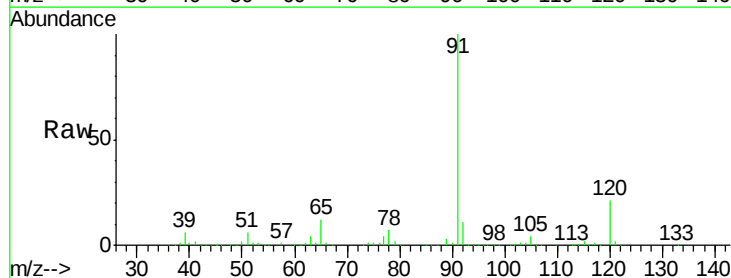
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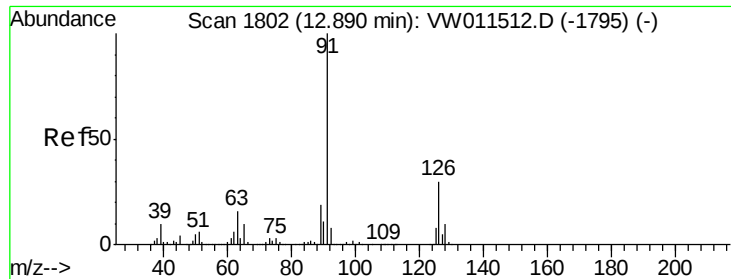
MMDadoda
8/19/2019 10:55:15 AM



#78
n-propylbenzene
Concen: 21.867 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.7





#79

2-Chlorotoluene

Concen: 21.361 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

Tot Ion: 91 Resp: 176787

Ion Ratio Lower Upper

91 100

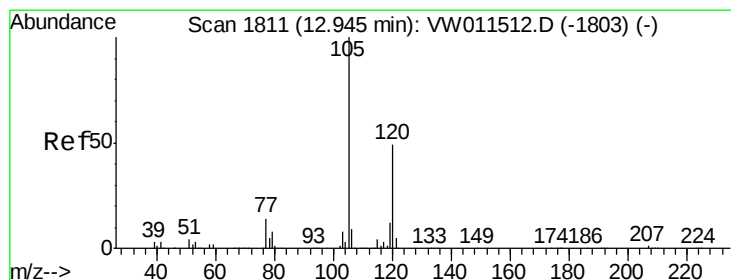
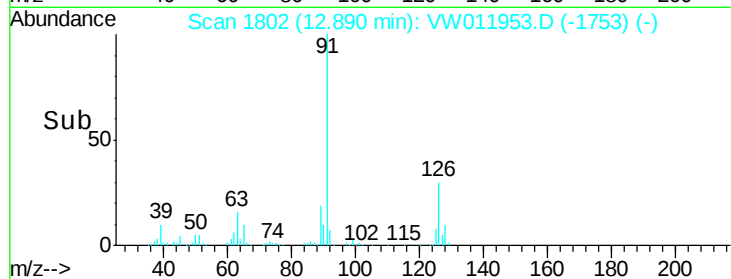
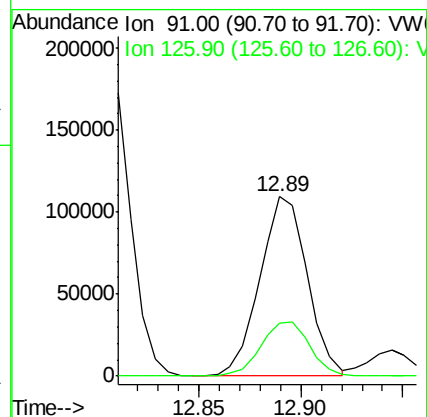
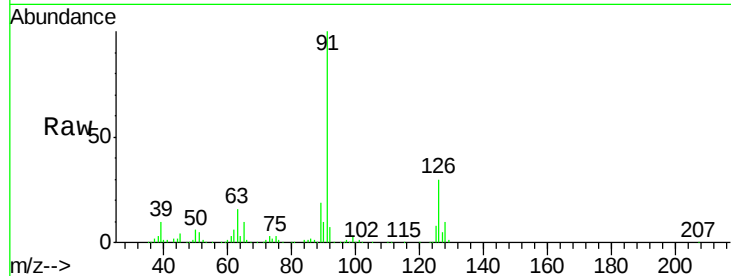
126 31.3 15.7 47.1

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#80

1,3,5-Trimethylbenzene

Concen: 21.919 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011953.D

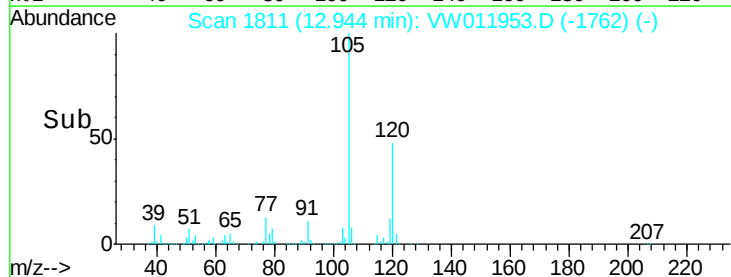
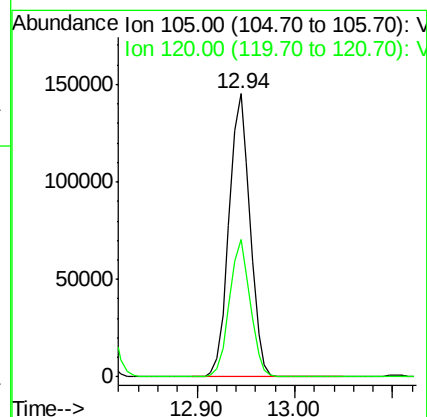
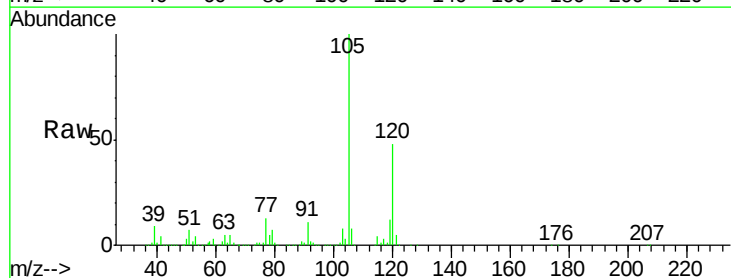
Acq: 16 Aug 2019 10:08

Tgt Ion:105 Resp: 216885

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.3





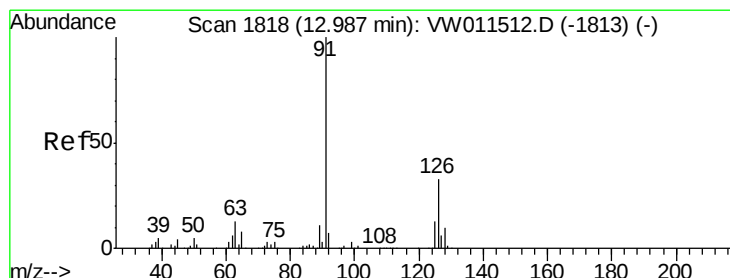
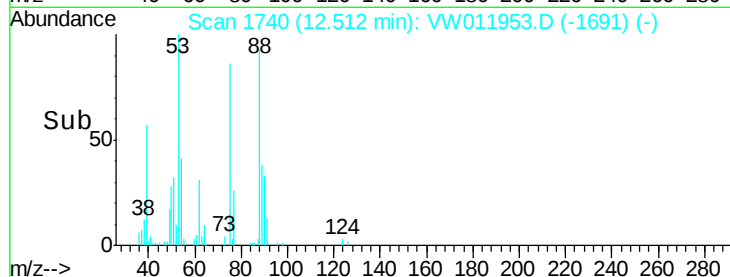
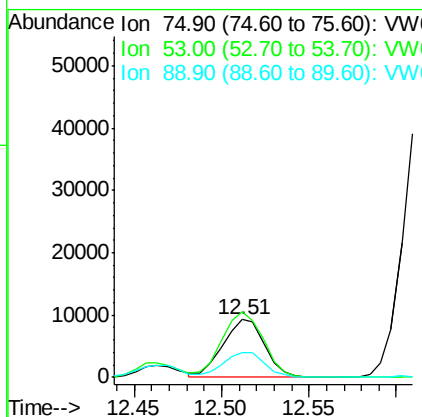
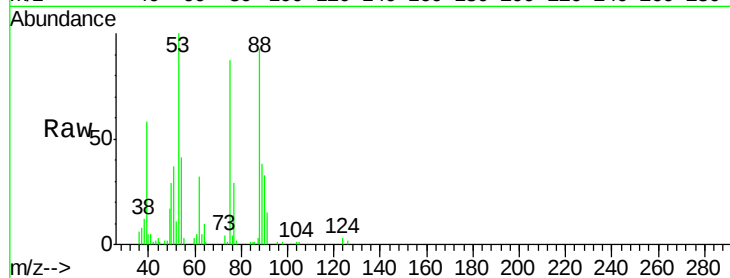
#81
trans-1,4-Dichloro-2-butene
Concen: 21.346 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.7	88.0	132.0
89	42.9	35.3	52.9

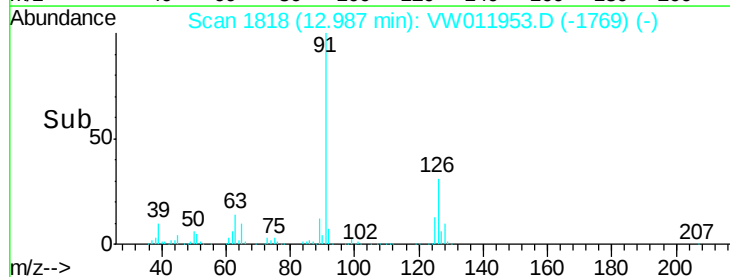
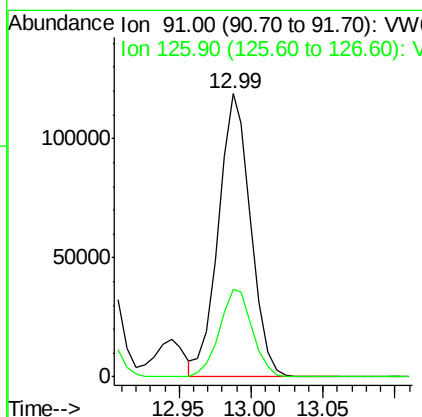
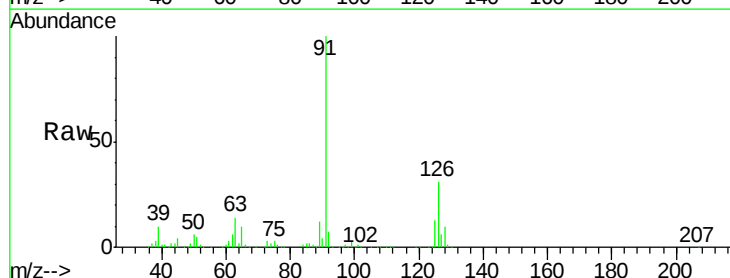
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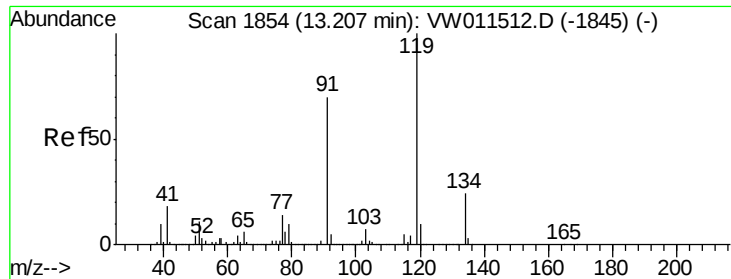
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.322 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.8





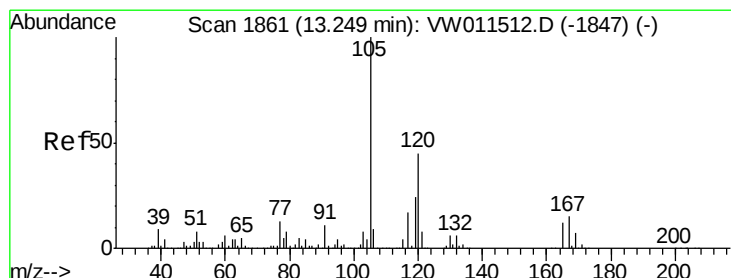
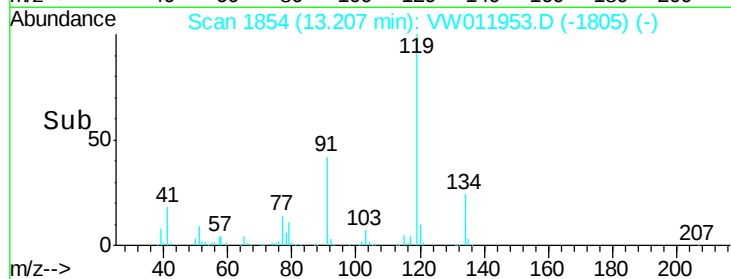
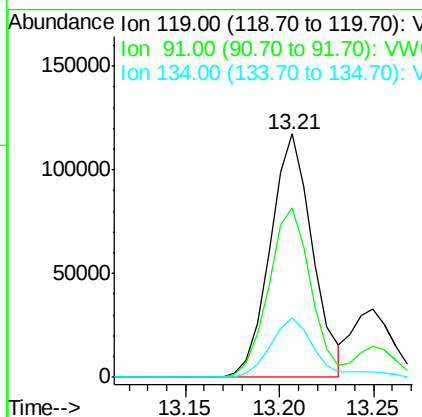
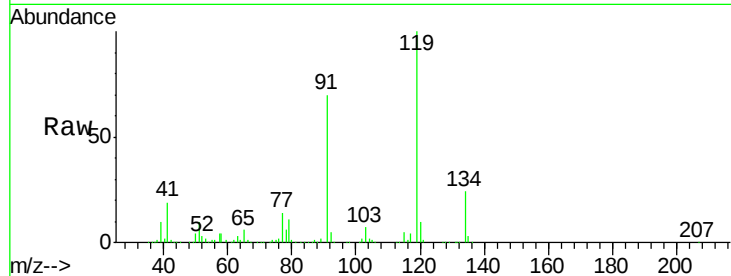
#83
tert-Butylbenzene
Concen: 22.067 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	182589		
91	69.3	34.5	103.6	
134	24.7	12.4	37.4	

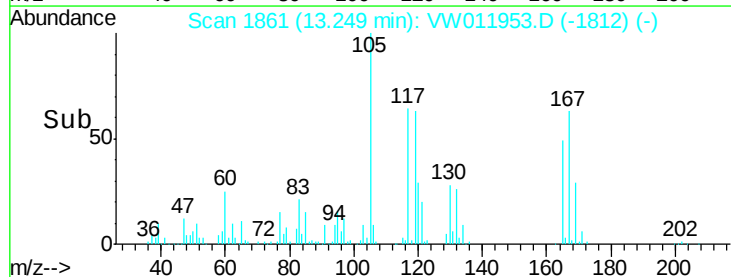
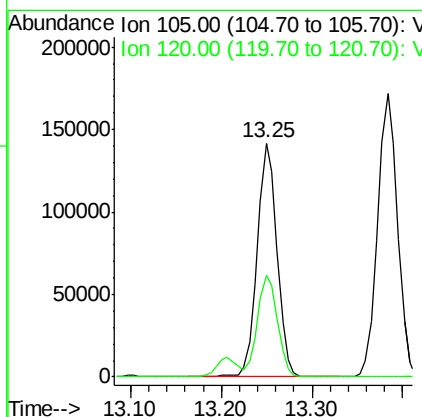
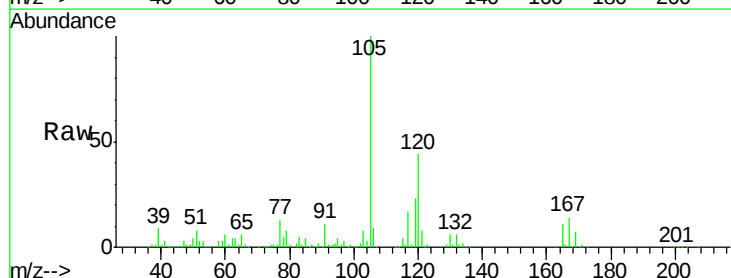
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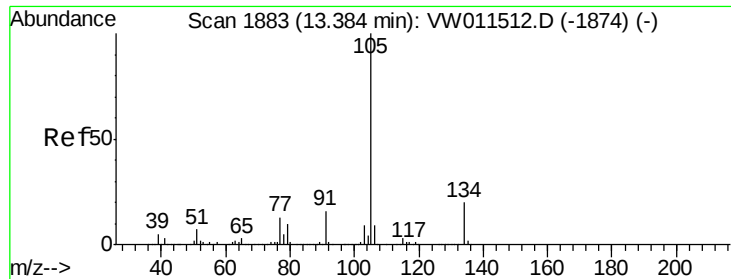
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#84
1,2,4-Trimethylbenzene
Concen: 21.522 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	214518		
120	43.8	22.1	66.5	





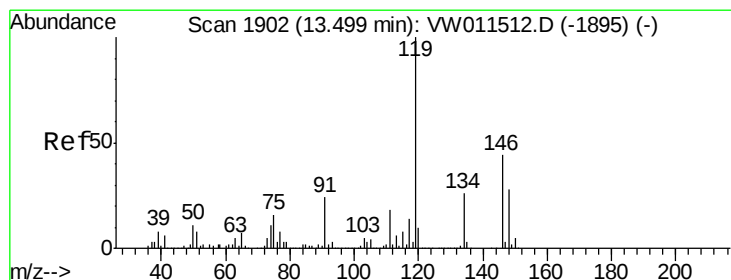
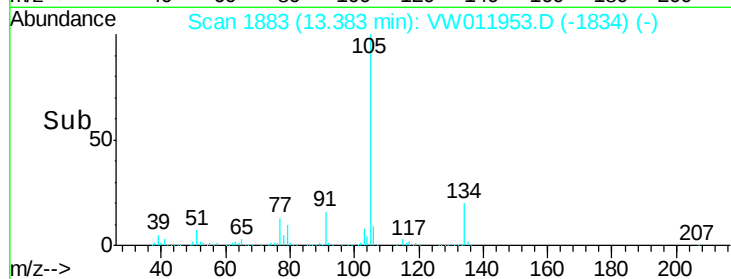
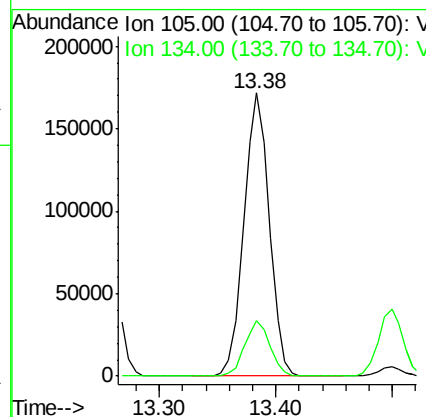
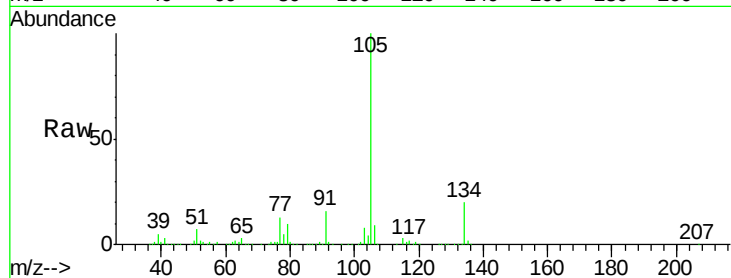
#85
 sec-Butylbenzene
 Concen: 22.055 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	260386		
134	19.4	9.7	29.1	

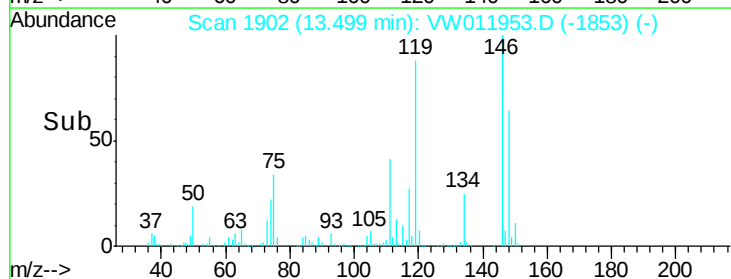
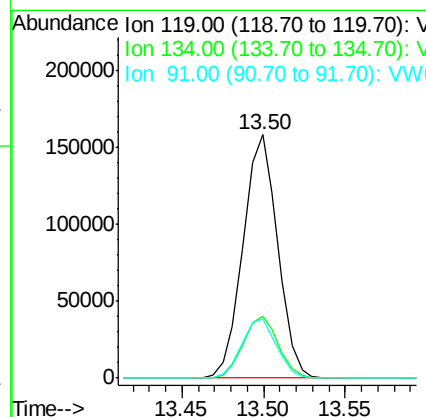
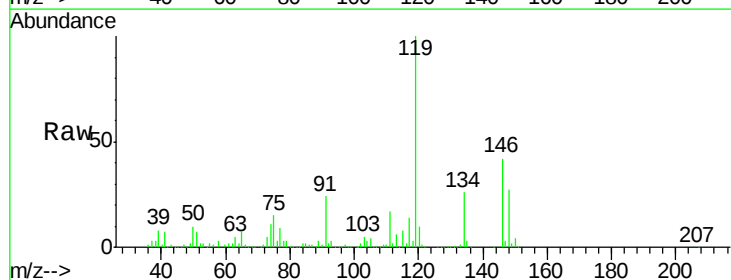
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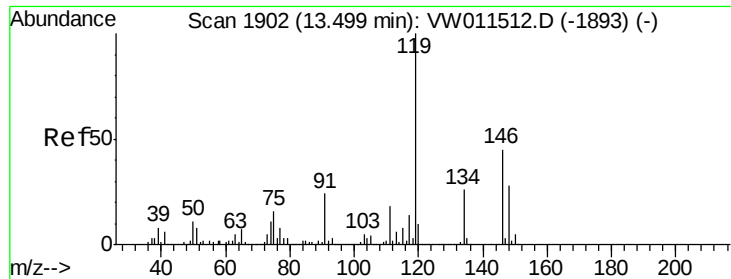
MMDadoda
 8/19/2019 10:55:15 AM



#86
 p-Isopropyltoluene
 Concen: 21.741 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	232894		
134	25.8	12.8	38.4	
91	24.4	12.1	36.3	





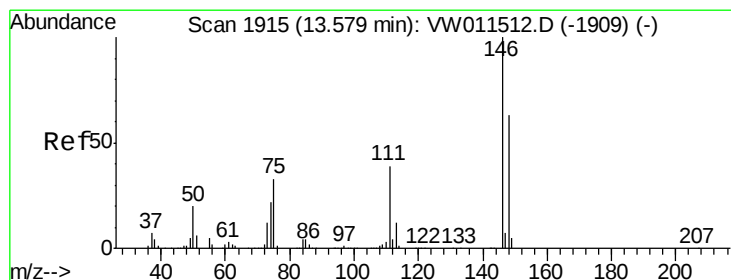
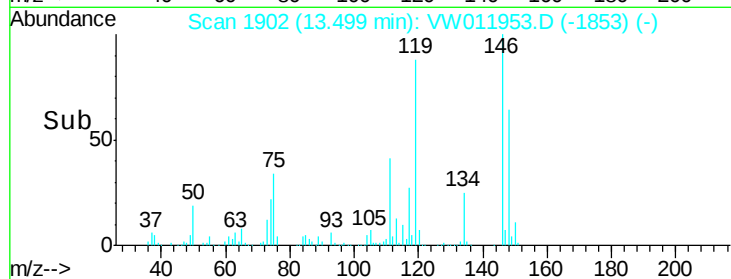
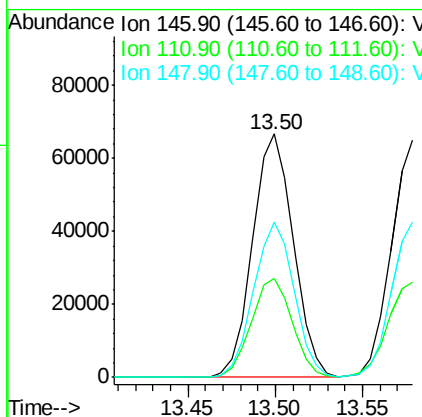
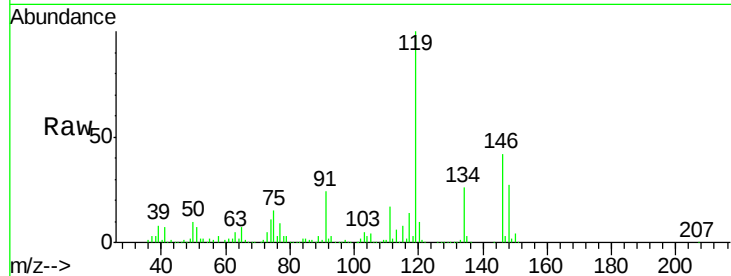
#87
 1,3-Dichlorobenzene
 Concen: 21.104 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	107963		
111	41.1	20.5	61.6	
148	63.3	31.8	95.3	

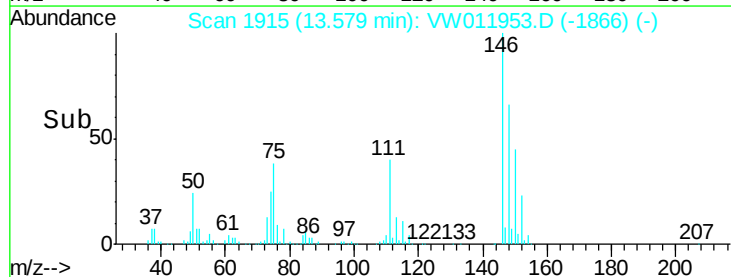
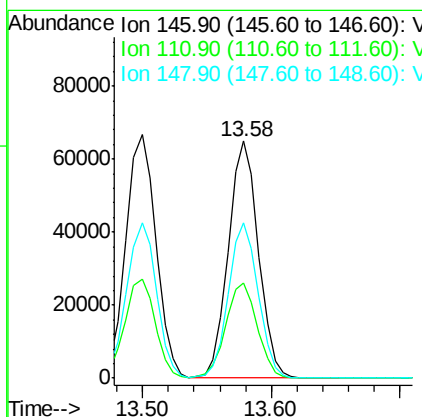
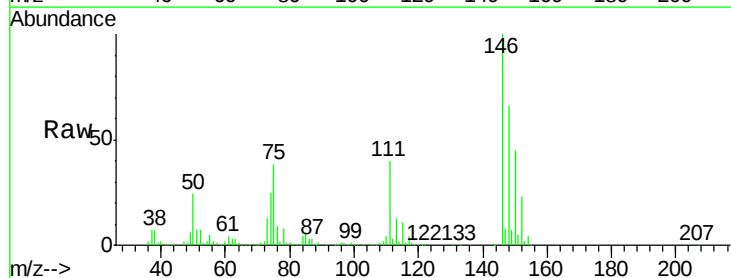
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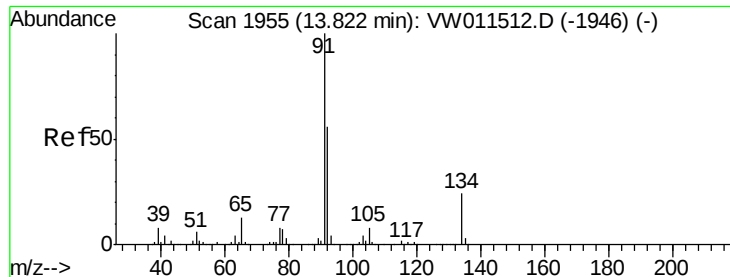
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#88
 1,4-Dichlorobenzene
 Concen: 20.795 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105823		
111	42.3	20.1	60.2	
148	64.9	31.9	95.9	





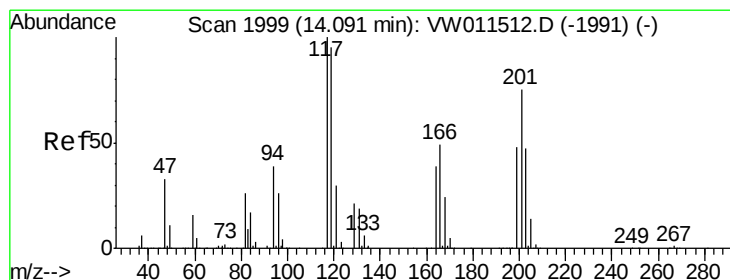
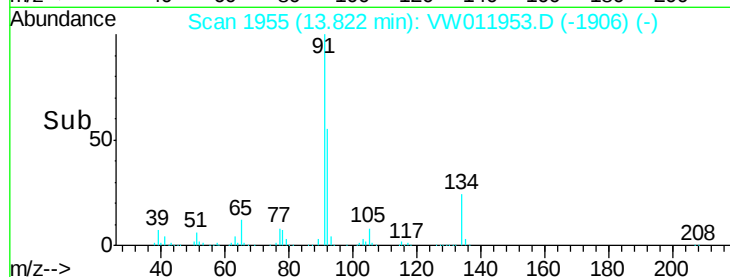
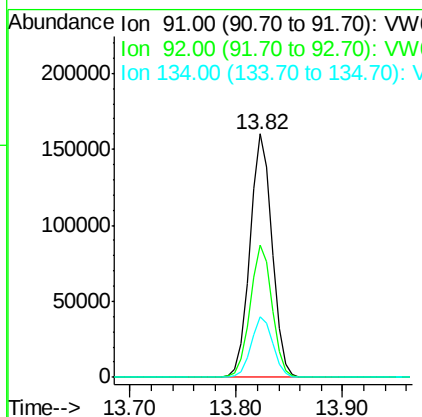
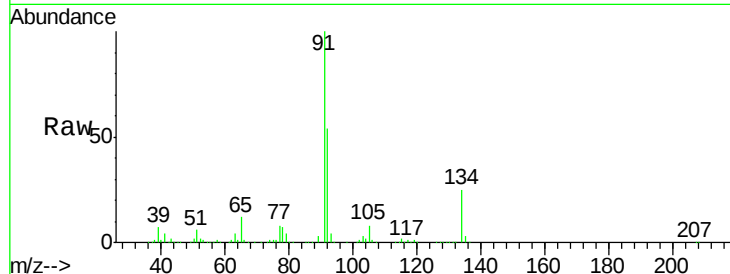
#89
n-Butylbenzene
Concen: 21.845 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	233526		
92	53.8		27.5	82.4
134	24.6		12.2	36.6

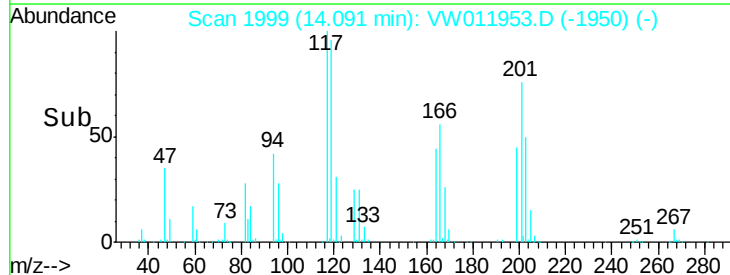
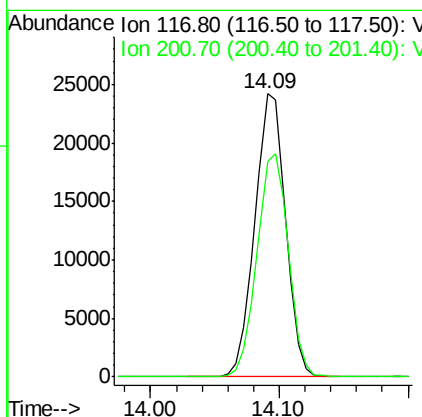
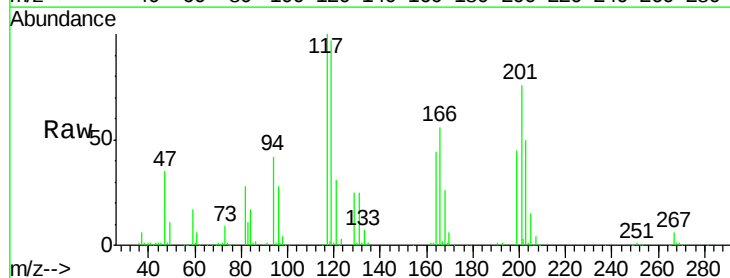
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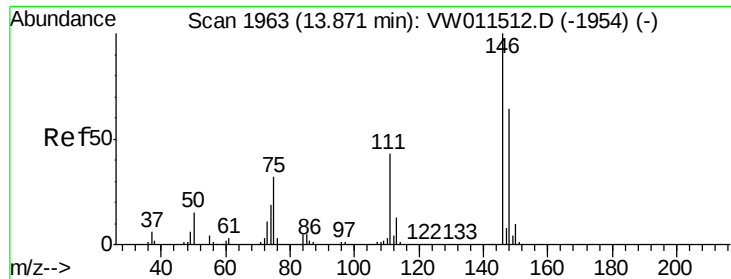
MMDadoda
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#90
Hexachloroethane
Concen: 20.958 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39699		
201	80.6		39.4	118.2





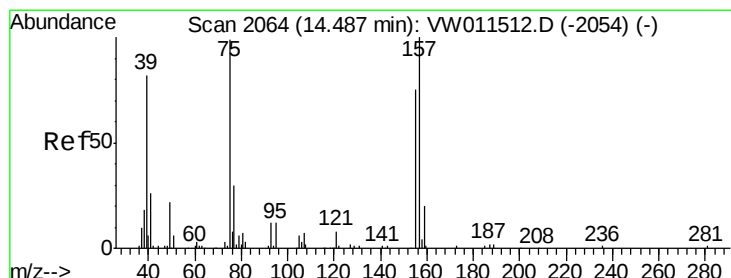
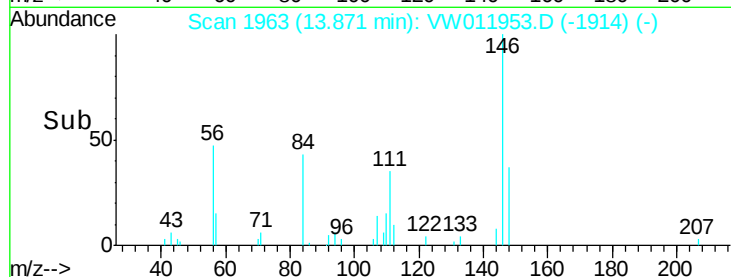
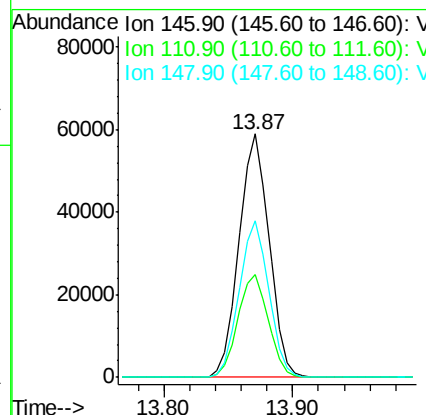
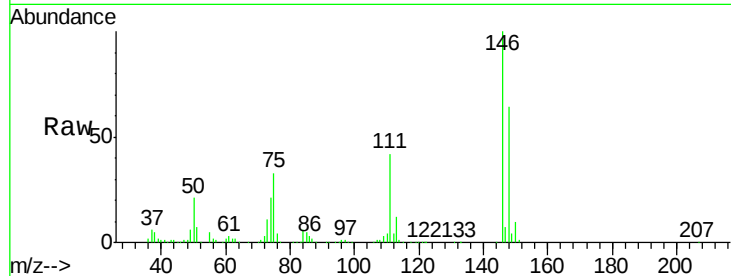
#91
 1,2-Dichlorobenzene
 Concen: 21.132 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	65.0
148	63.2	32.0	96.2

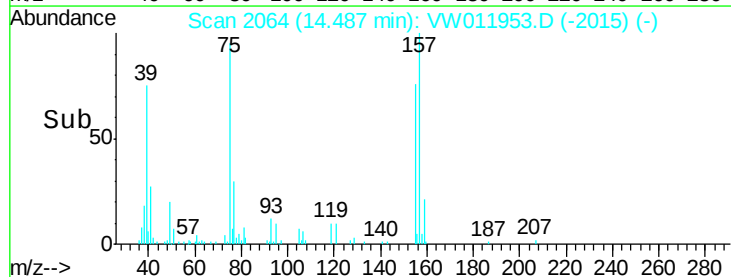
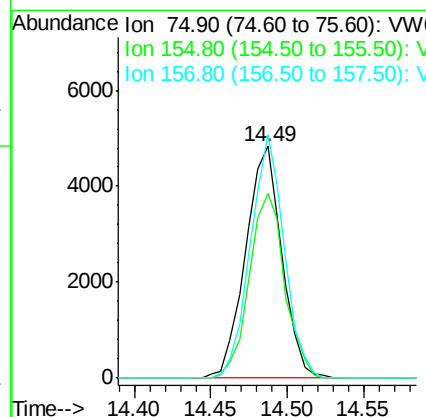
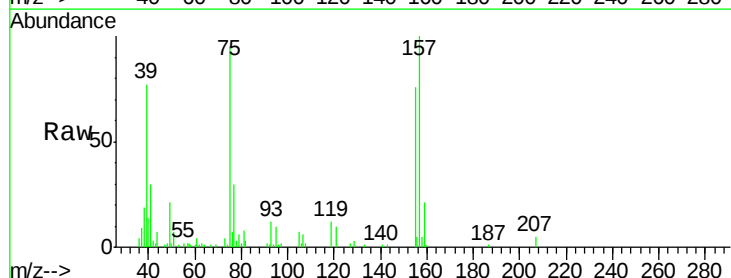
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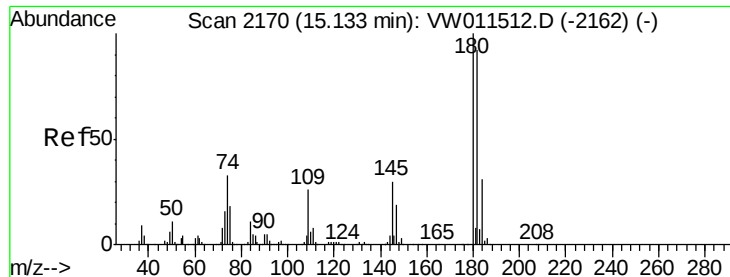
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.955 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011953.D
 Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	38.2	114.6
157	97.8	48.9	146.7





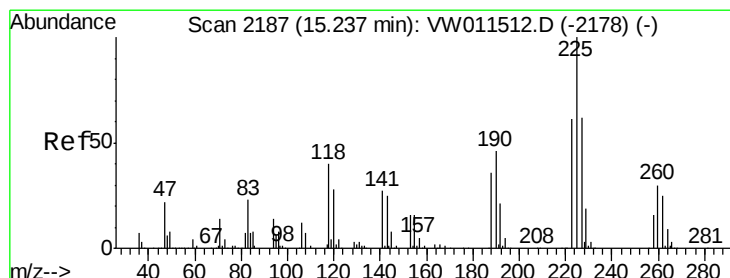
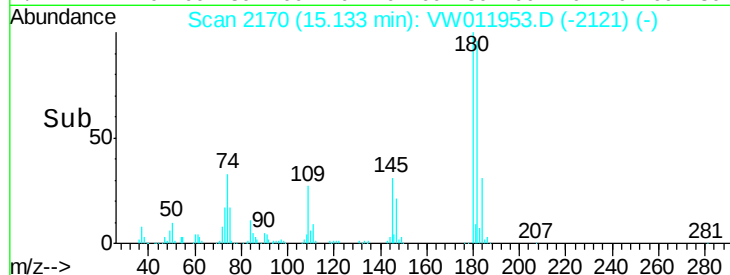
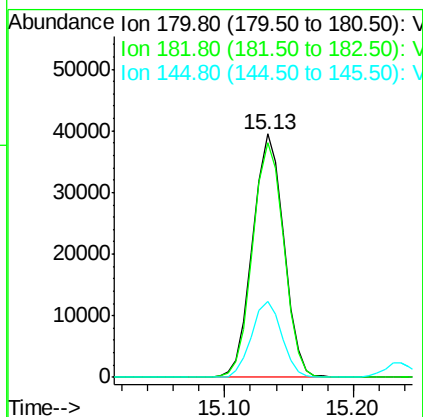
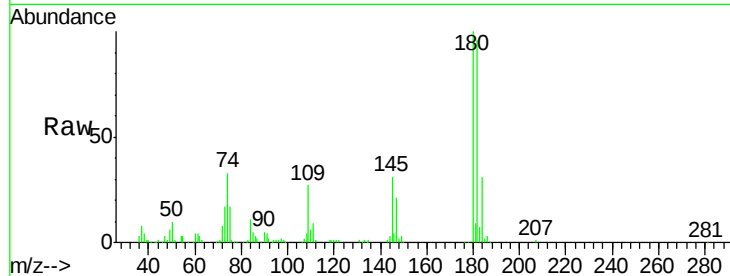
#93
1,2,4-Trichlorobenzene
Concen: 20.661 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65883		
182	96.1	47.4	142.2	
145	30.2	15.4	46.1	

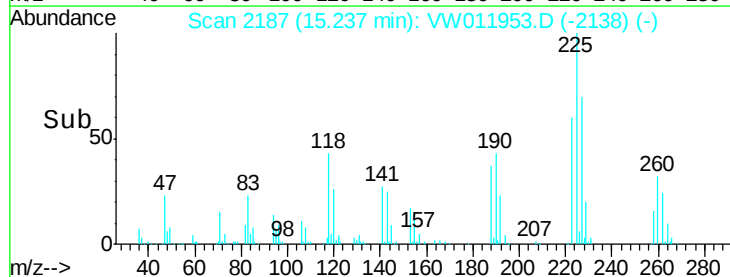
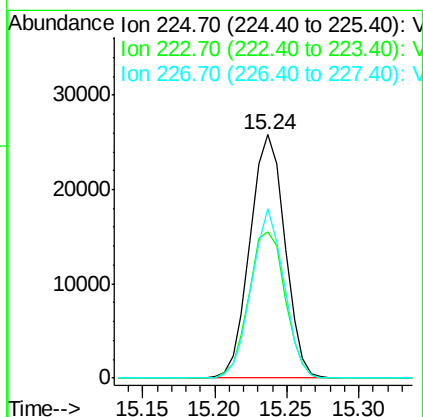
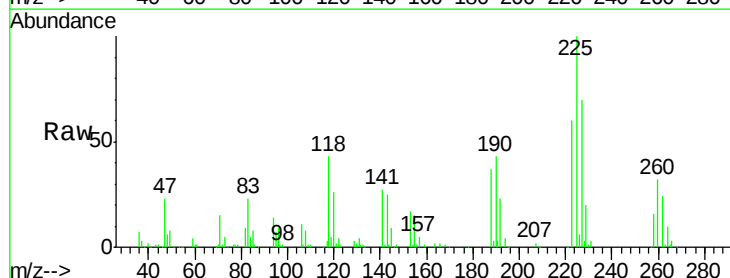
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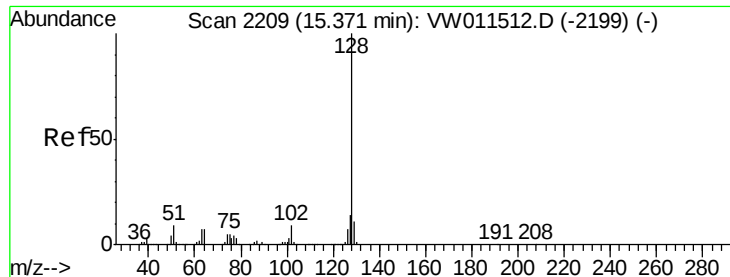
MMDadoda
8/19/2019 10:55:15 AM



#94
Hexachlorobutadiene
Concen: 21.751 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW011953.D
Acq: 16 Aug 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43255		
223	62.9	30.8	92.3	
227	65.2	31.6	94.7	





#95

Naphthalene

Concen: 19.600 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Instrument :

MSVOA_W

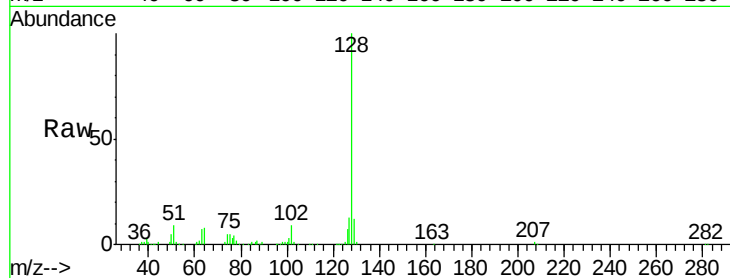
ClientSampleId :

VW0817SBS01

Tot Ion:	128	Resp:	114245
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:55:15 AM



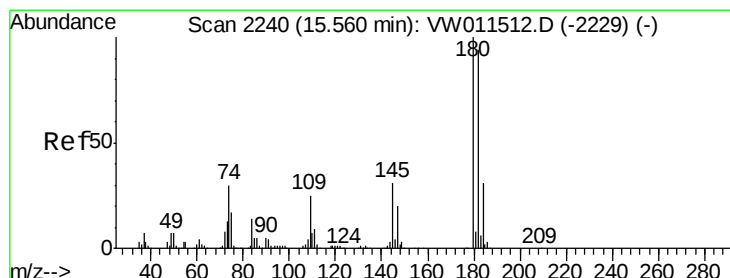
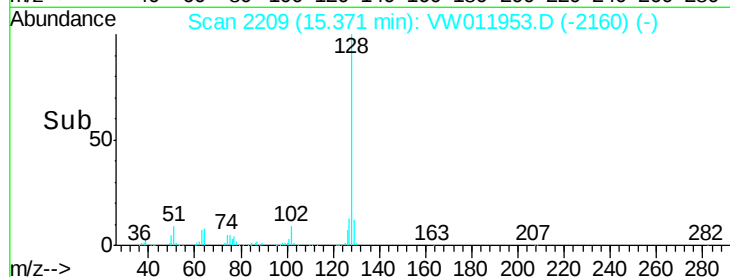
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.37

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.418 ug/l

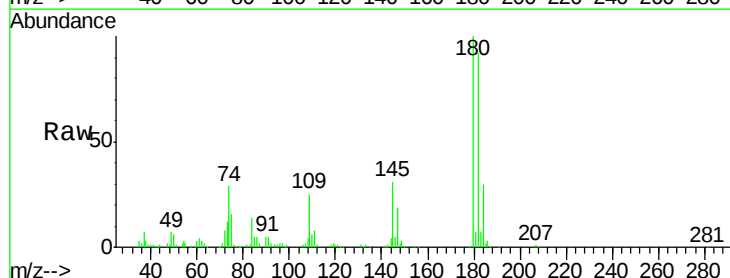
RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011953.D

Acq: 16 Aug 2019 10:08

Tgt Ion:	180	Resp:	57073
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.4	142.2
145	32.5	15.9	47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.56

Time-->

