

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012020.D
 Acq On : 20 Aug 2019 10:16
 Operator : SY/VA
 Sample : VW0820SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Manual Integrations
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MMDadoda
 8/21/2019 8:28:47 AM

Quant Time: Aug 20 12:51:07 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	276912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	441228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	156743	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.88	113	129119	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.32	98	533813	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.62	95	186359	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35303	22.875	ug/l	98
3) Chloromethane	2.21	50	53926	20.151	ug/l	97
4) Vinyl Chloride	2.36	62	67673	21.005	ug/l	99
5) Bromomethane	2.77	94	30167	16.916	ug/l	99
6) Chloroethane	2.89	64	30348	16.490	ug/l	98
7) Trichlorofluoromethane	3.23	101	32765	22.756	ug/l	99
8) Diethyl Ether	3.67	74	31961	19.578	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	56942	20.847	ug/l	99
10) Methyl Iodide	4.26	142	76221	19.747	ug/l	99
11) Tert butyl alcohol	5.22	59	19364	69.655	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	57688	20.003	ug/l	98
13) Acrolein	3.89	56	13356	58.539	ug/l	99
14) Allyl chloride	4.65	41	122724	20.008	ug/l	99
15) Acrylonitrile	5.37	53	79026	96.971	ug/l	98
16) Acetone	4.14	43	77985	77.101	ug/l	100
17) Carbon Disulfide	4.37	76	157459	17.445	ug/l	99
18) Methyl Acetate	4.67	43	43223	19.022	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	99091	21.652	ug/l	99
20) Methylene Chloride	4.90	84	64944	18.618	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	62692	20.163	ug/l	95
22) Diisopropyl ether	6.31	45	237115	20.504	ug/l	96
23) Vinyl Acetate	6.25	43	709381	97.622	ug/l	100
24) 1,1-Dichloroethane	6.21	63	123989	20.019	ug/l	99
25) 2-Butanone	7.17	43	113449	85.717	ug/l	100
26) 2,2-Dichloropropane	7.17	77	68976	18.109	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	68621	20.053	ug/l	97
28) Bromochloromethane	7.51	49	58448	21.261	ug/l #	99
29) Tetrahydrofuran	7.53	42	73674	97.383	ug/l	98
30) Chloroform	7.67	83	113379	19.842	ug/l	100
31) Cyclohexane	7.95	56	123055	20.698	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	90009	20.684	ug/l	99
36) 1,1-Dichloropropene	8.08	75	98393	21.446	ug/l	99
37) Ethyl Acetate	7.25	43	50950	19.302	ug/l	98
38) Carbon Tetrachloride	8.06	117	81669	20.794	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	110011	21.776	ug/l	99
40) Benzene	8.32	78	265258	20.641	ug/l	99
41) Methacrylonitrile	7.48	41	29917	18.960	ug/l	97
42) 1,2-Dichloroethane	8.40	62	80792	20.080	ug/l	100
43) Isopropyl Acetate	8.43	43	95186	19.608	ug/l	100
44) Trichloroethene	9.09	130	64411	20.853	ug/l	96
45) 1,2-Dichloropropane	9.37	63	71024	20.655	ug/l	98
46) Dibromomethane	9.46	93	31523	20.086	ug/l	99
47) Bromodichloromethane	9.64	83	80701	19.603	ug/l	98
48) Methyl methacrylate	9.43	41	45455	19.493	ug/l	95
49) 1,4-Dioxane	9.47	88	8470	372.732	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	247462	98.005	ug/l	100
52) Toluene	10.38	92	161025	20.749	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	84100	19.556	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	101815	19.912	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44728	20.087	ug/l	99
56) Ethyl methacrylate	10.65	69	65306	20.042	ug/l	99
57) 1,3-Dichloropropane	10.93	76	84389	20.032	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	185301	125.248	ug/l	100
59) 2-Hexanone	10.97	43	173209	97.155	ug/l	98
60) Dibromochloromethane	11.13	129	48001	19.420	ug/l	100
61) 1,2-Dibromoethane	11.24	107	41920	19.893	ug/l	99
64) Tetrachloroethene	10.86	164	53224	21.557	ug/l	96
65) Chlorobenzene	11.66	112	160639	21.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	53960	20.321	ug/l	98
67) Ethyl Benzene	11.73	91	311904	21.482	ug/l	100
68) m/p-Xylenes	11.84	106	226579	42.911	ug/l	99
69) o-Xylene	12.16	106	104616	21.321	ug/l	98
70) Styrene	12.18	104	179191	21.122	ug/l	99
71) Bromoform	12.35	173	26503	19.575	ug/l #	97
73) Isopropylbenzene	12.46	105	296274	21.831	ug/l	100
74) N-amyl acetate	12.27	43	85136	20.037	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	53036	20.776	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	37051m	19.249	ug/l	
77) Bromobenzene	12.74	156	62714	20.907	ug/l	99
78) n-propylbenzene	12.80	91	362192	21.929	ug/l	99
79) 2-Chlorotoluene	12.89	91	204699	21.513	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	248148	21.813	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16015	19.175	ug/l	94
82) 4-Chlorotoluene	12.99	91	213165	21.352	ug/l	100
83) tert-Butylbenzene	13.21	119	212322	22.319	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	244394	21.326	ug/l	99
85) sec-Butylbenzene	13.38	105	303586	22.365	ug/l	99
86) p-Isopropyltoluene	13.50	119	268820	21.827	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	124509	21.169	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	122374	20.915	ug/l	99
89) n-Butylbenzene	13.82	91	267386	21.755	ug/l	99
90) Hexachloroethane	14.09	117	44472	20.420	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	108141	20.788	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8697	19.979	ug/l	98

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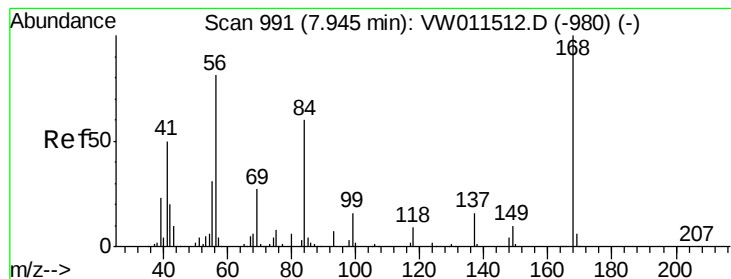
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	76592	20.891	ug/l	99
94) Hexachlorobutadiene	15.24	225	51575	22.558	ug/l	98
95) Naphthalene	15.37	128	133432	19.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	67505	21.005	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: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion:168 Resp: 276912

Ion Ratio Lower Upper

168 100

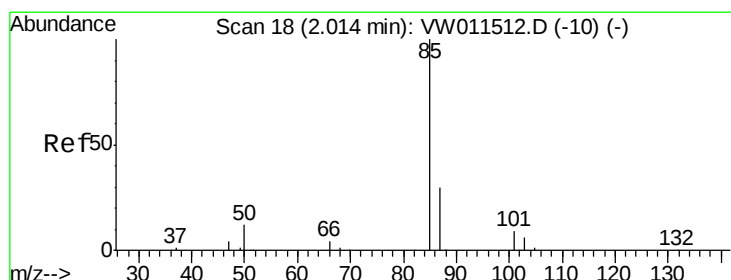
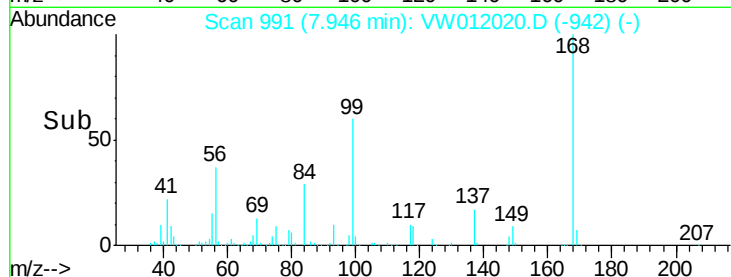
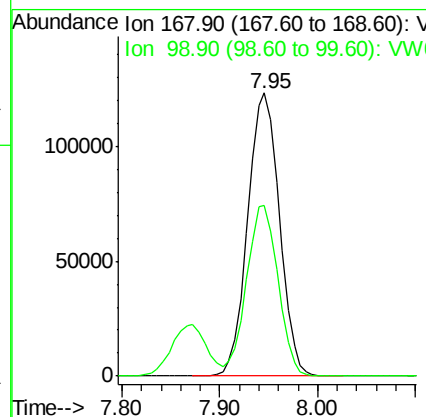
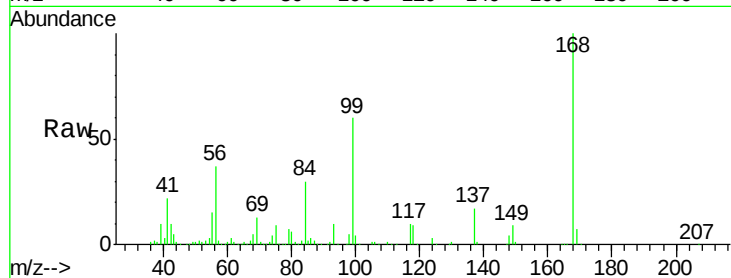
99 60.2 48.2 72.4

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#2

Dichlorodifluoromethane

Concen: 22.875 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012020.D

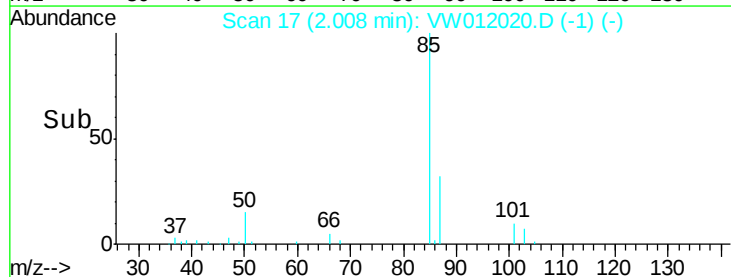
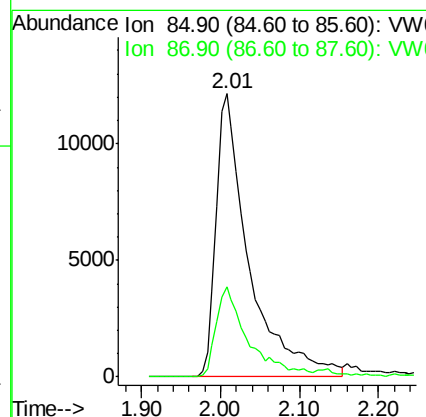
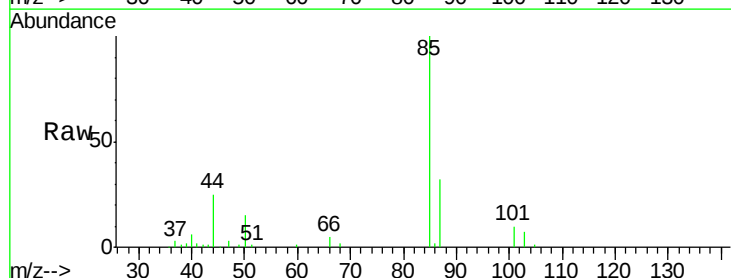
Acq: 20 Aug 2019 10:16

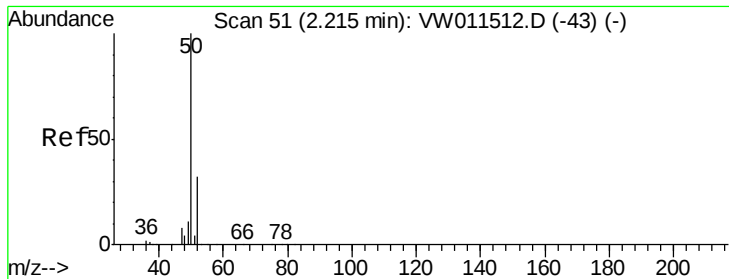
Tgt Ion: 85 Resp: 35303

Ion Ratio Lower Upper

85 100

87 31.6 15.2 45.6





#3

Chloromethane

Concen: 20.151 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 50 Resp: 53926

Ion Ratio Lower Upper

50 100

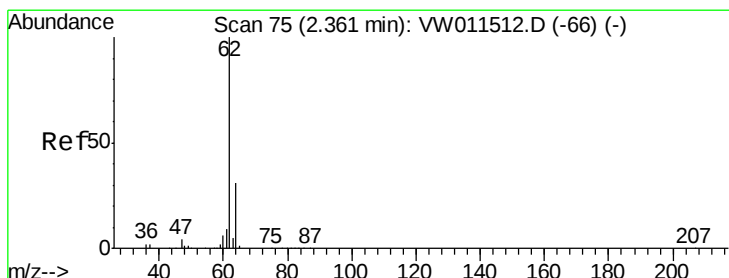
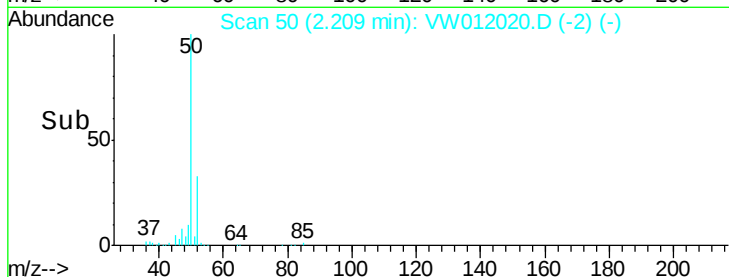
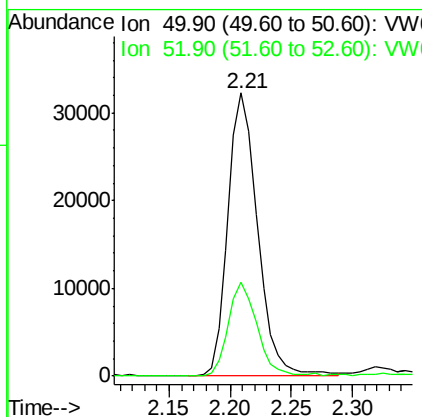
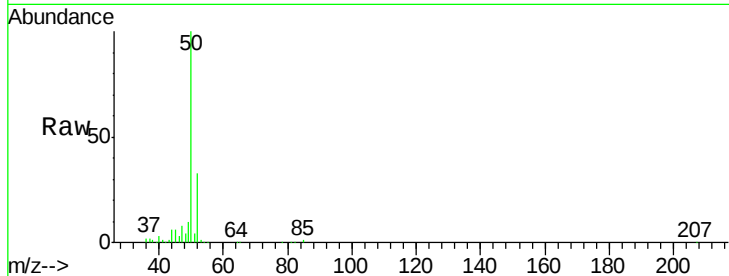
52 33.4 25.4 38.2

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#4

Vinyl Chloride

Concen: 21.005 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012020.D

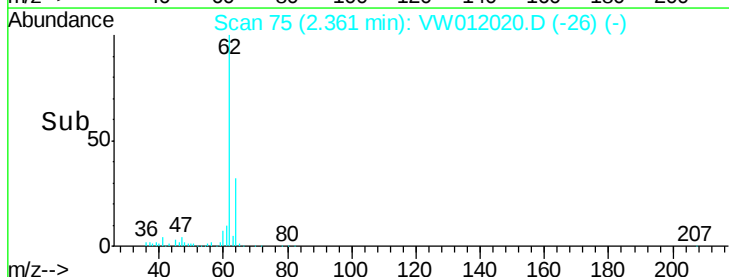
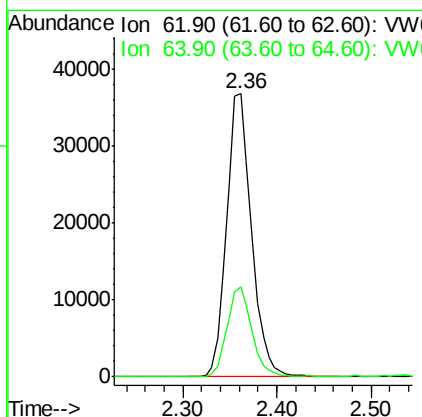
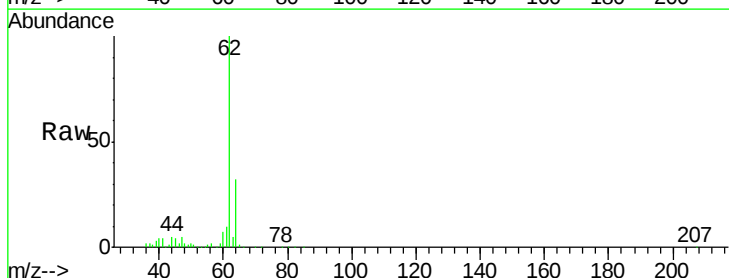
Acq: 20 Aug 2019 10:16

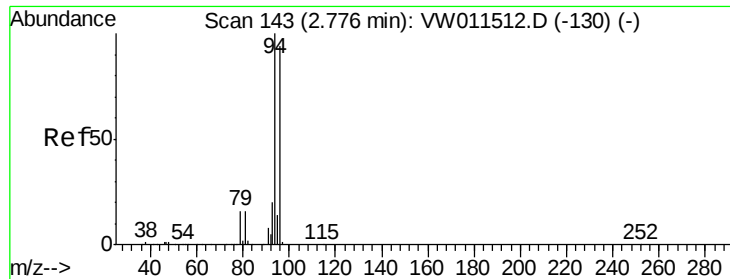
Tgt Ion: 62 Resp: 67673

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 16.916 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 94 Resp: 30167

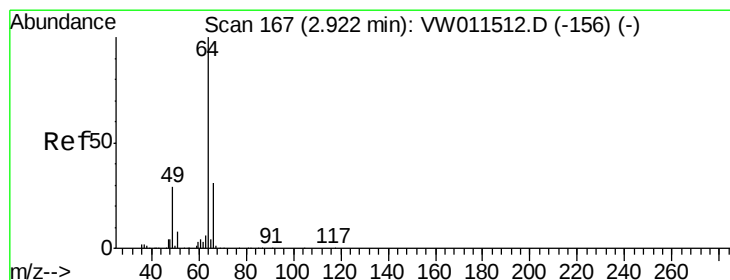
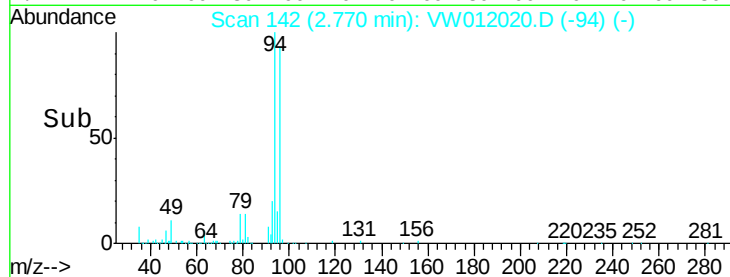
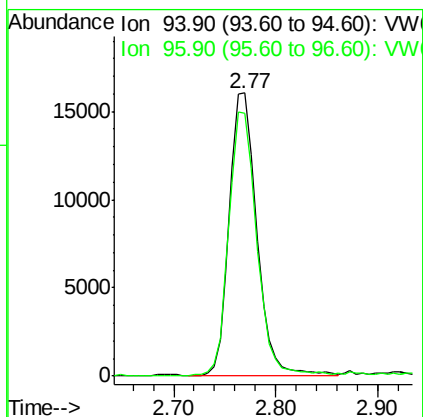
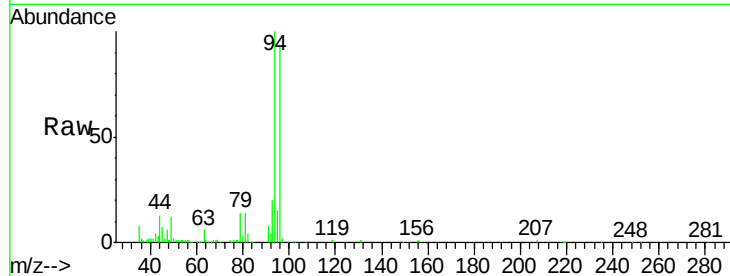
Ion Ratio Lower Upper

94 100

96 92.7 75.0 112.6

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#6

Chloroethane

Concen: 16.490 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.03 min

Lab File: VW012020.D

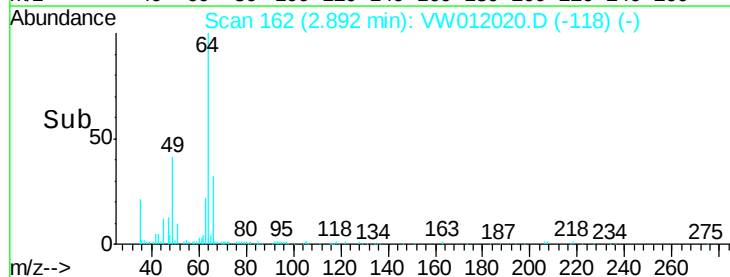
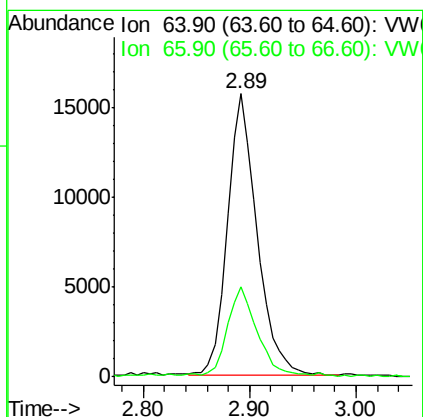
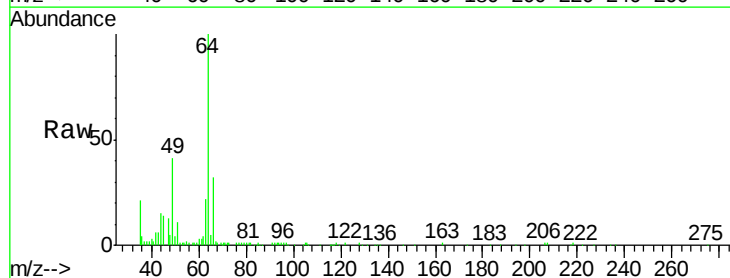
Acq: 20 Aug 2019 10:16

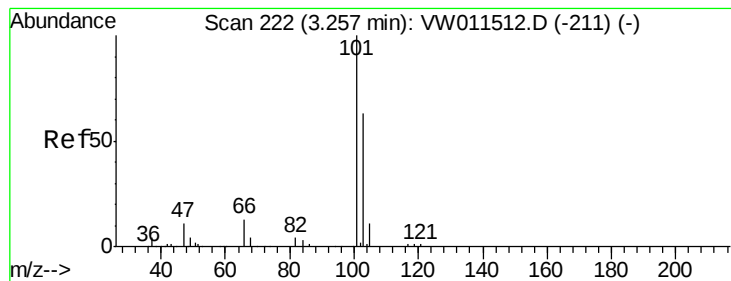
Tgt Ion: 64 Resp: 30348

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8





#7

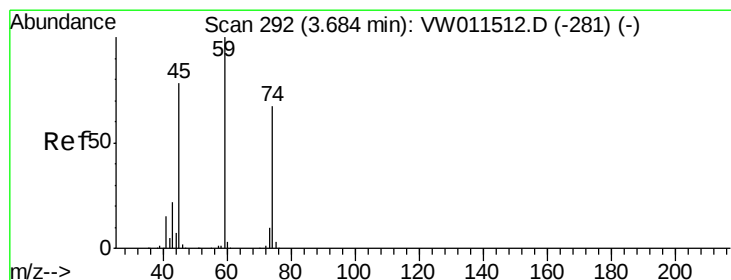
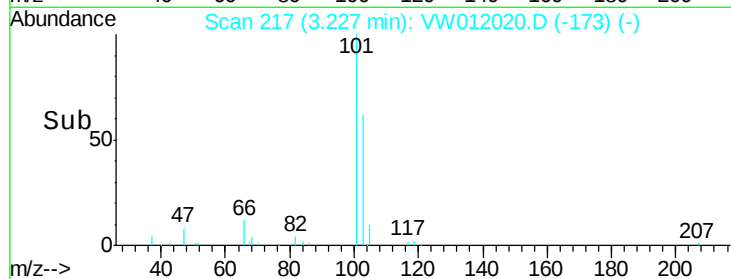
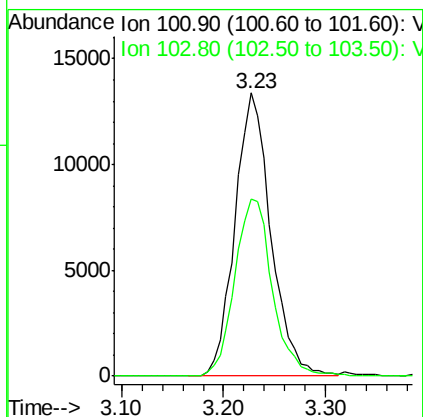
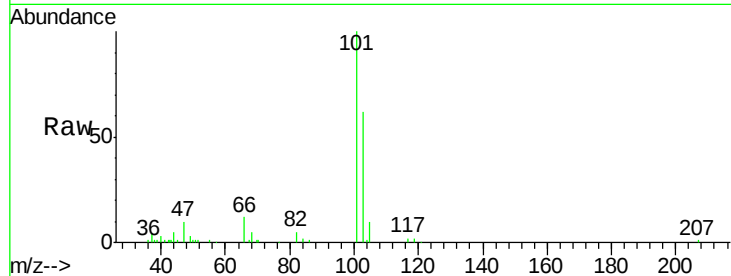
Trichlorofluoromethane
 Concen: 22.756 ug/l
 RT: 3.23 min Scan# 217
 Delta R.T. -0.03 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Instrument :
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 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.2	75.4

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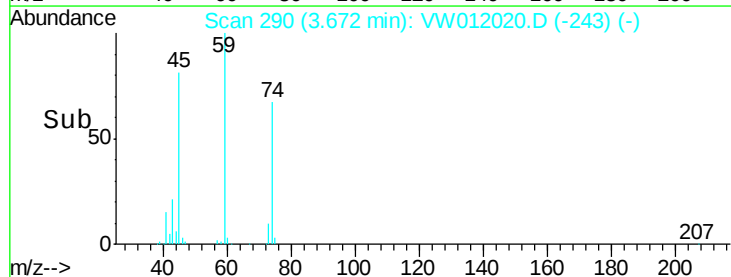
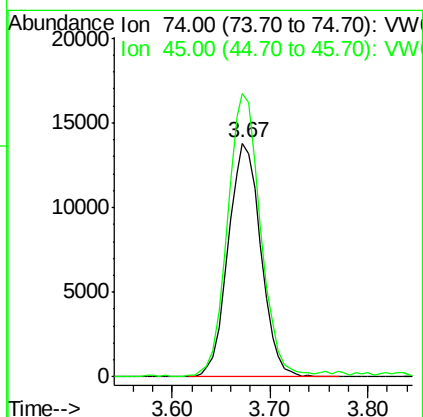
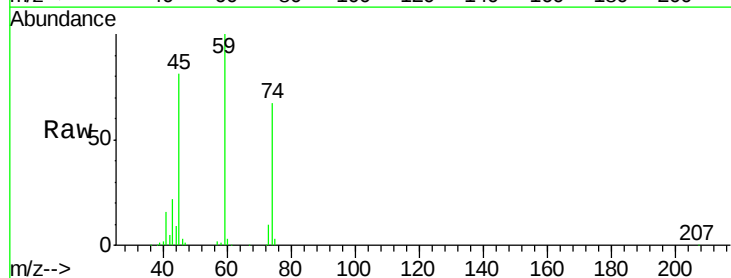
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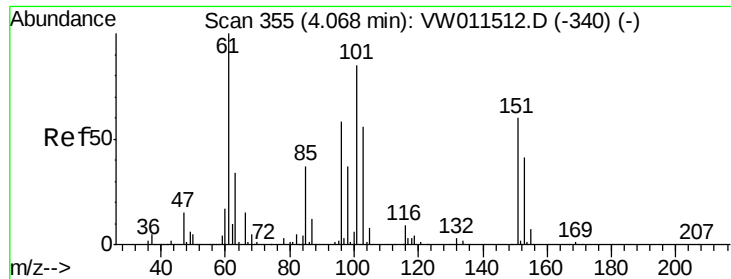


#8

Diethyl Ether
 Concen: 19.578 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.6	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.847 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

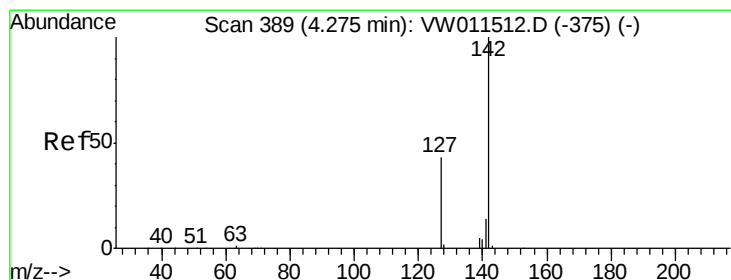
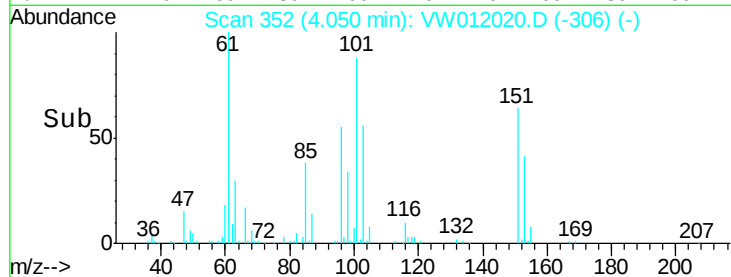
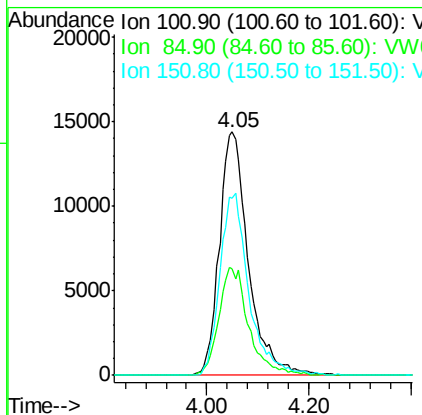
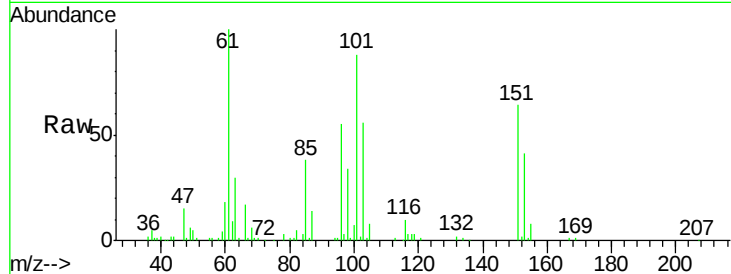
ClientSampleId :

VW0820SBS01

Tot Ion:	101	Resp:	56942
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.6	54.8
151	74.7	60.2	90.2

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#10

Methyl Iodide

Concen: 19.747 ug/l

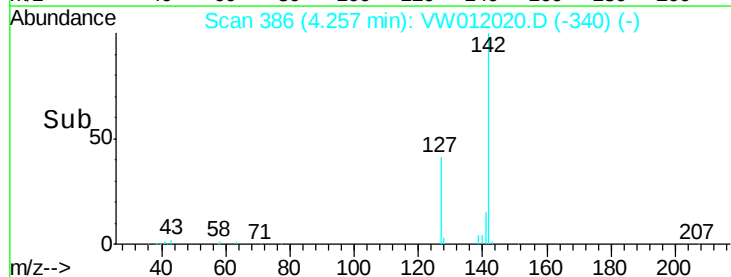
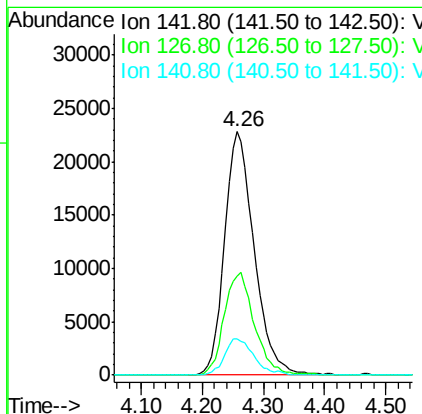
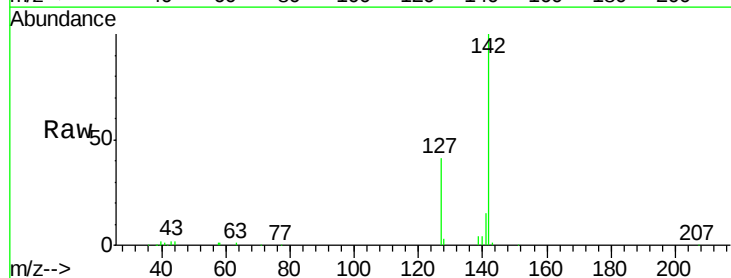
RT: 4.26 min Scan# 386

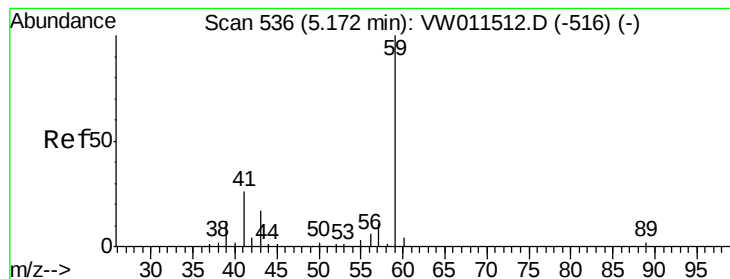
Delta R.T. -0.02 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion:	142	Resp:	76221
Ion Ratio	Lower	Upper	
142	100		
127	42.9	35.0	52.6
141	14.8	11.9	17.9





#11

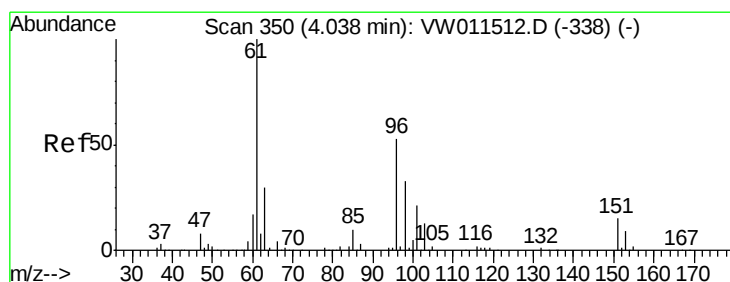
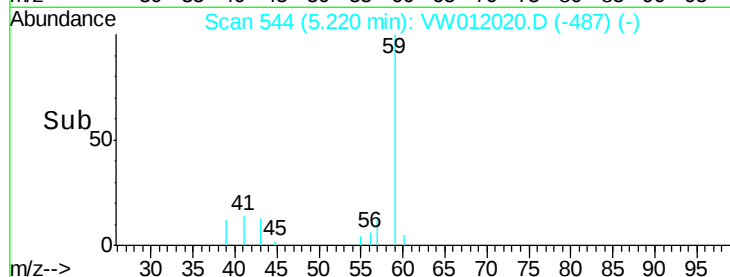
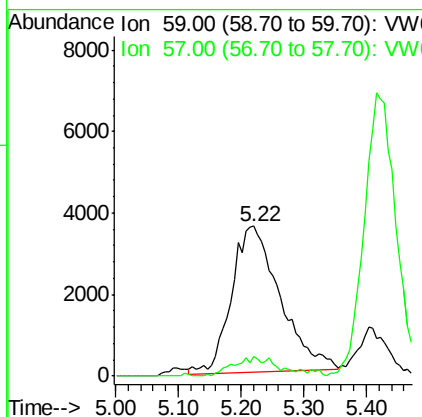
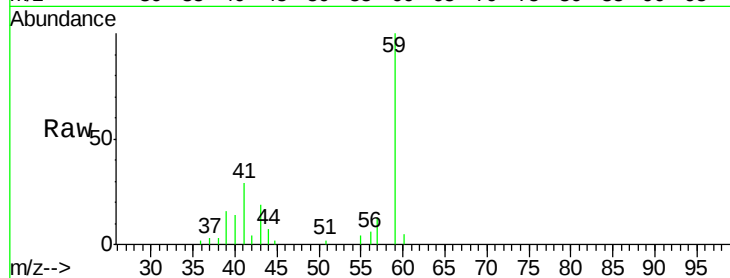
Tert butyl alcohol
 Concen: 69.655 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.05 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	8.5	12.7#

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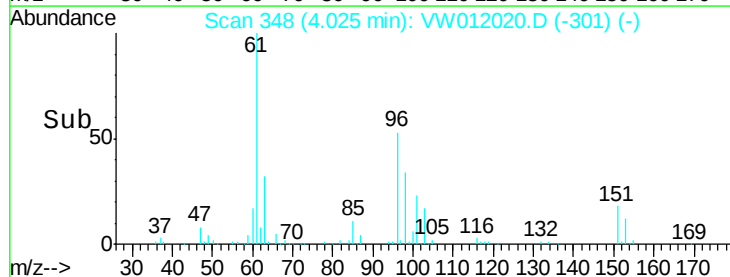
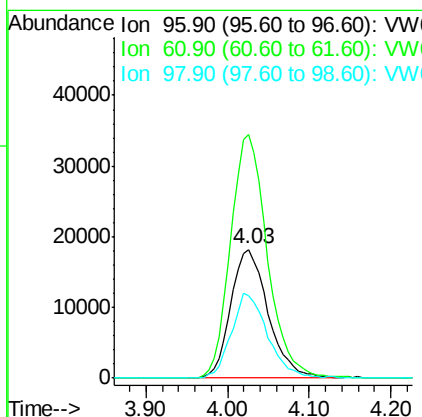
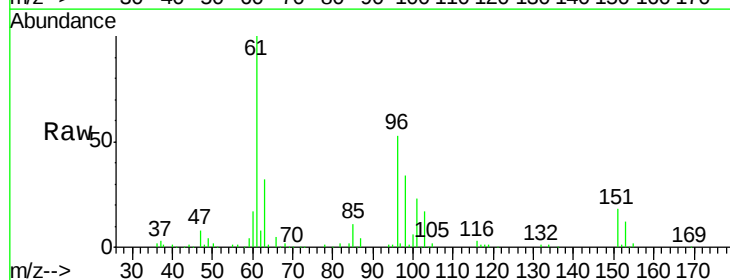
MMDadoda
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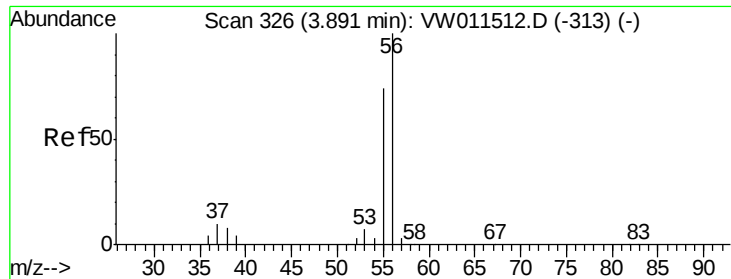


#12

1,1-Dichloroethene
 Concen: 20.003 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.0	149.9	224.9
98	63.5	49.1	73.7





#13

Acrolein

Concen: 58.539 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 56 Resp: 13356

Ion Ratio Lower Upper

56 100

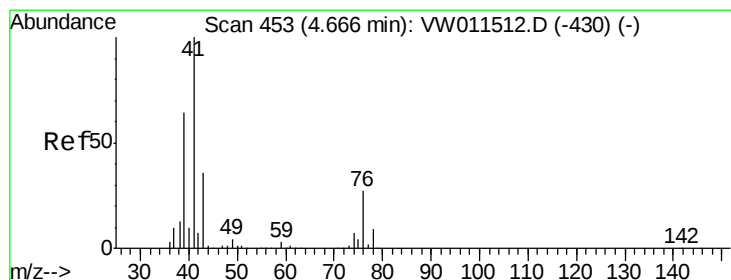
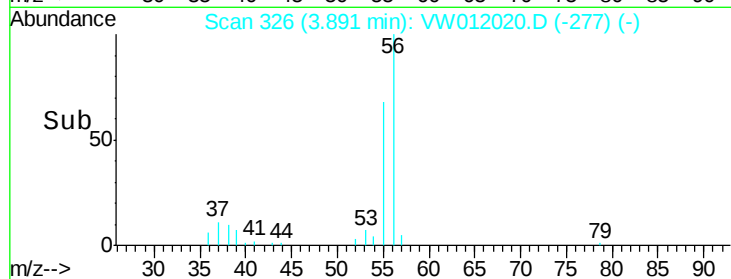
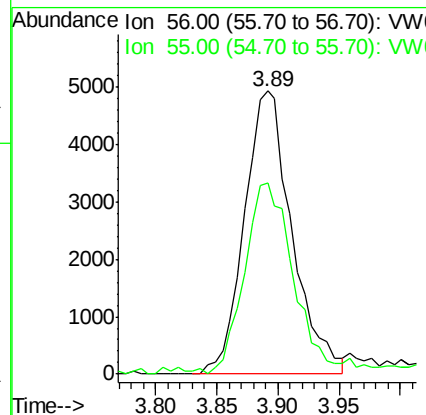
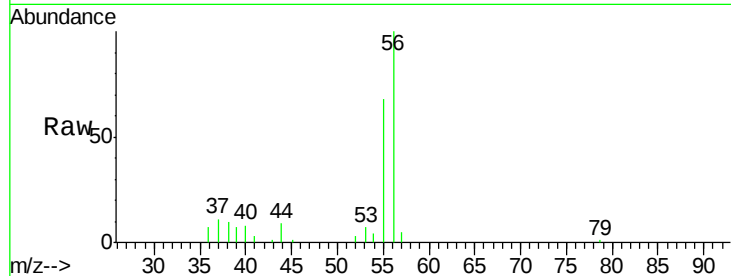
55 71.1 56.0 84.0

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#14

Allyl chloride

Concen: 20.008 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

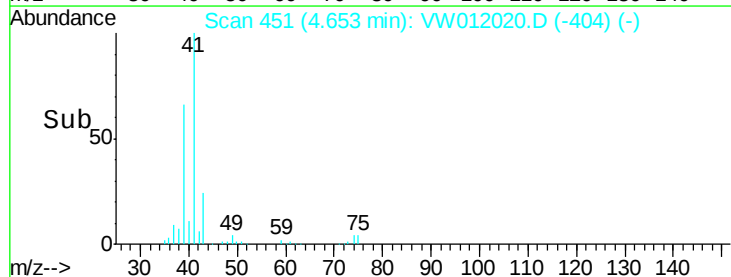
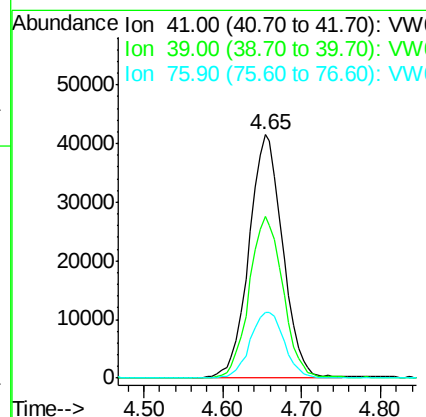
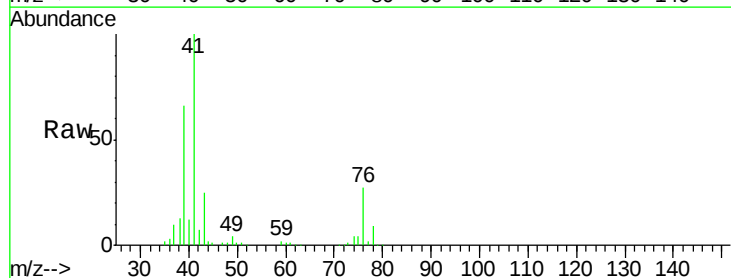
Tgt Ion: 41 Resp: 122724

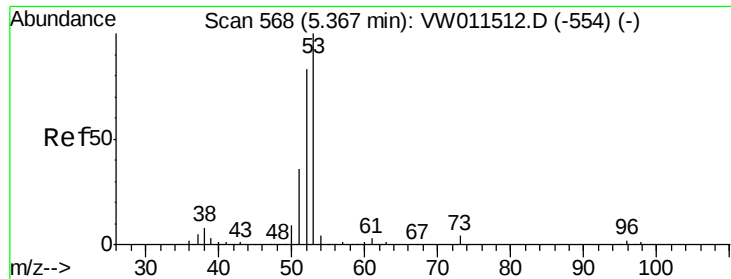
Ion Ratio Lower Upper

41 100

39 66.3 52.6 78.8

76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 96.971 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

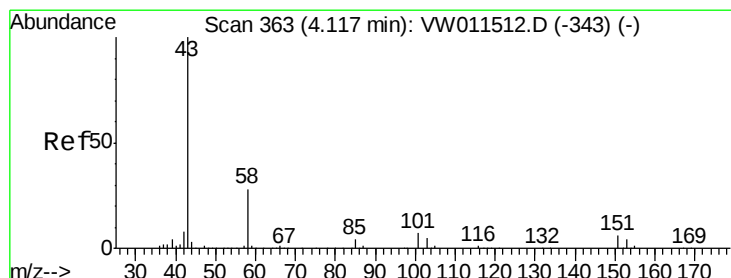
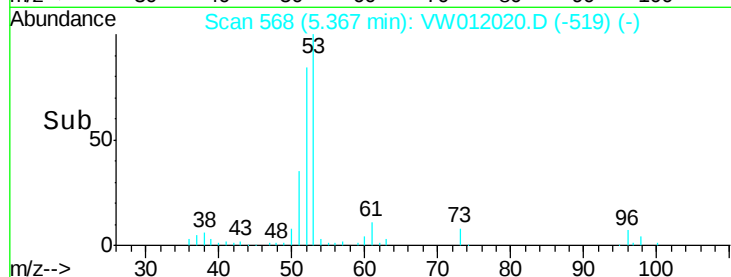
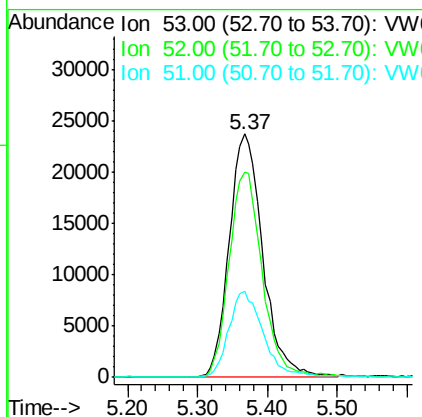
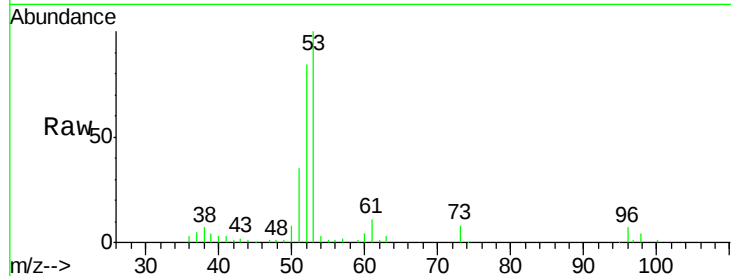
ClientSampleId :

VW0820SBS01

Tot Ion:	53	Resp:	79026
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.2	100.8
51	36.0	30.0	45.0

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#16

Acetone

Concen: 77.101 ug/l

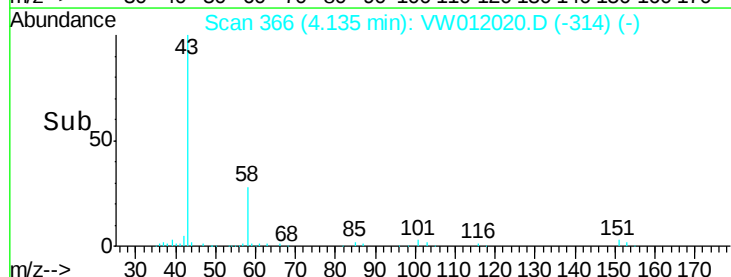
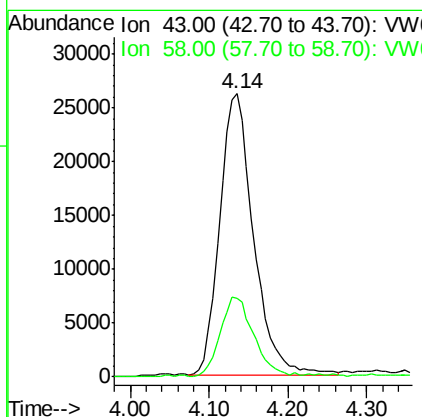
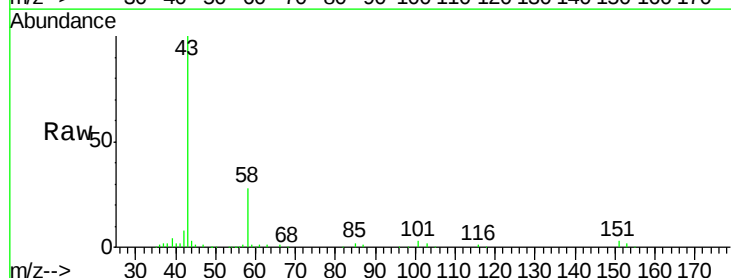
RT: 4.14 min Scan# 366

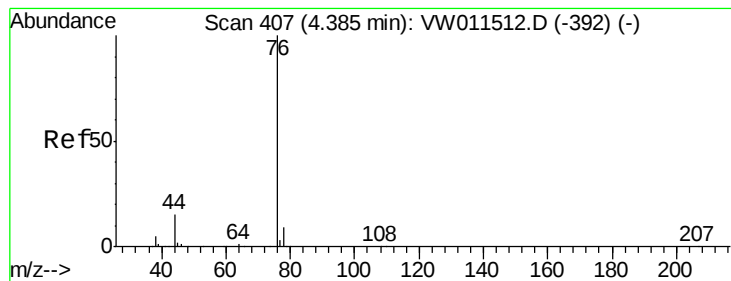
Delta R.T. 0.02 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion:	43	Resp:	77985
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.3	33.5





#17

Carbon Disulfide

Concen: 17.445 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 76 Resp: 157459

Ion Ratio Lower Upper

76 100

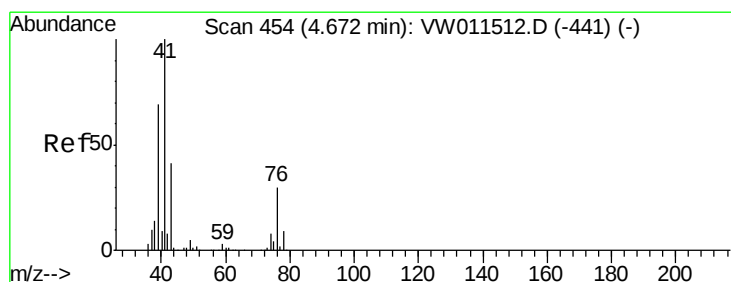
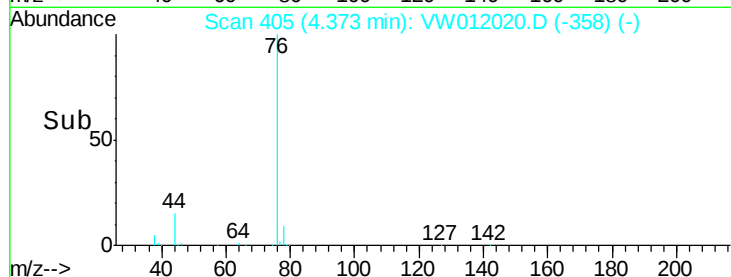
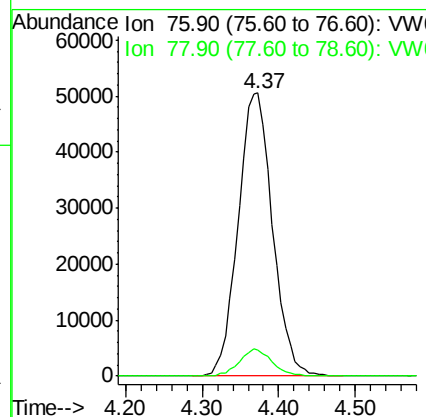
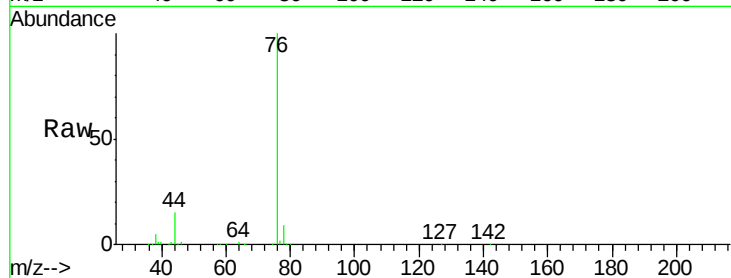
78 9.4 7.1 10.7

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#18

Methyl Acetate

Concen: 19.022 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW012020.D

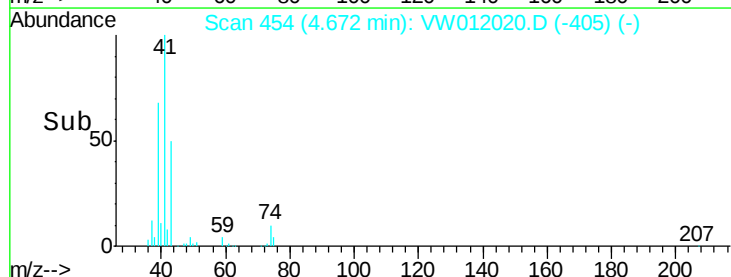
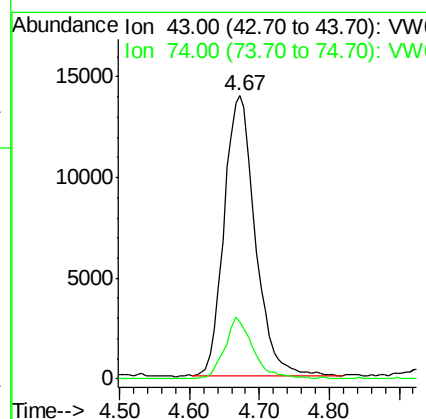
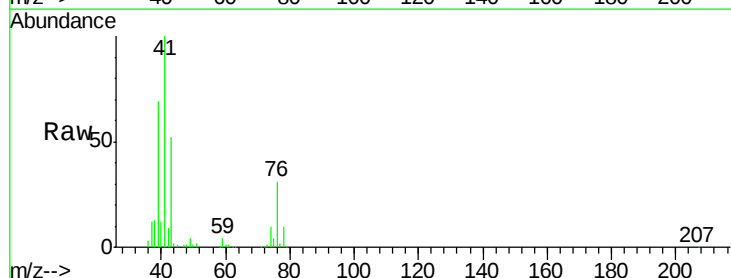
Acq: 20 Aug 2019 10:16

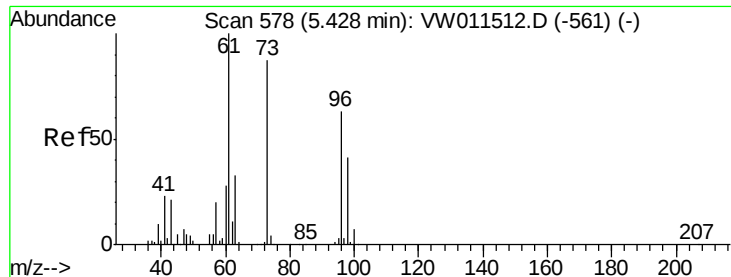
Tgt Ion: 43 Resp: 43223

Ion Ratio Lower Upper

43 100

74 20.1 15.9 23.9





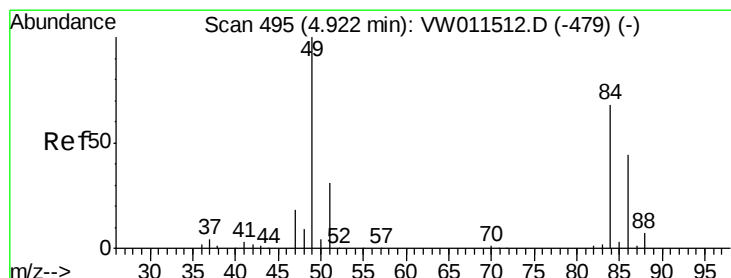
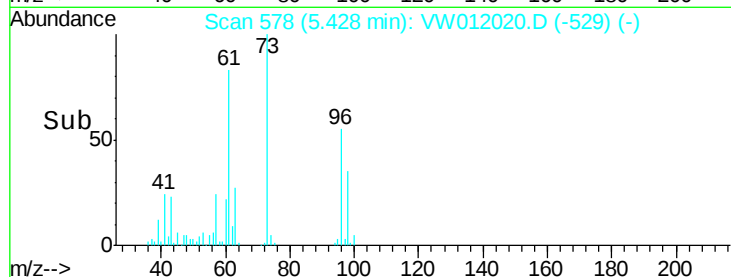
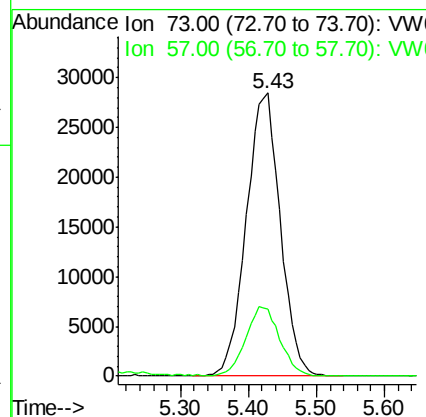
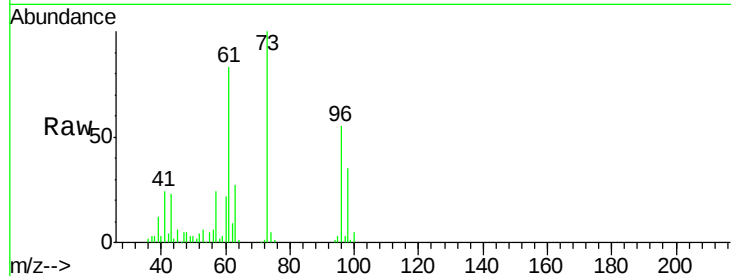
#19
Methvl tert-butvl Ether
Concen: 21.652 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion: 73 Resp: 99091
Ion Ratio Lower Upper
73 100
57 23.5 18.4 27.6

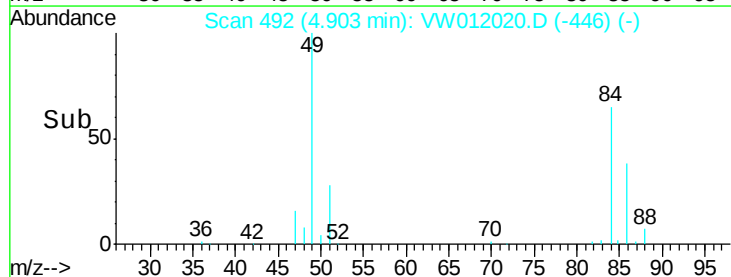
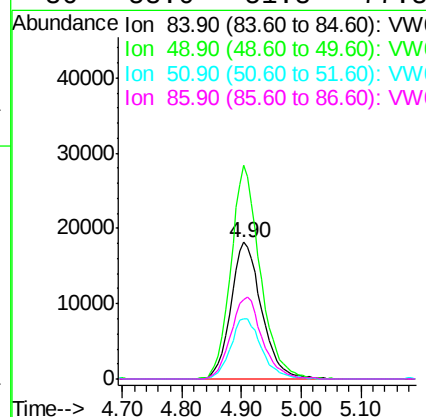
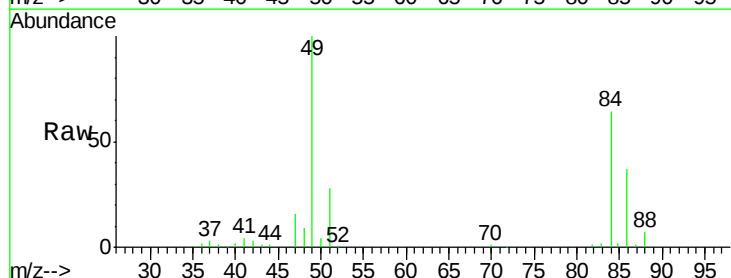
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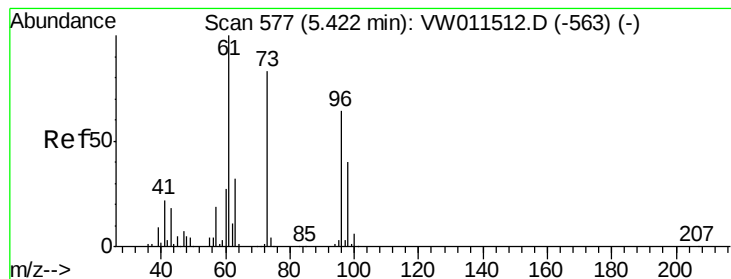
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#20
Methylene Chloride
Concen: 18.618 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion: 84 Resp: 64944
Ion Ratio Lower Upper
84 100
49 156.0 117.8 176.6
51 43.7 37.0 55.4
86 58.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.163 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

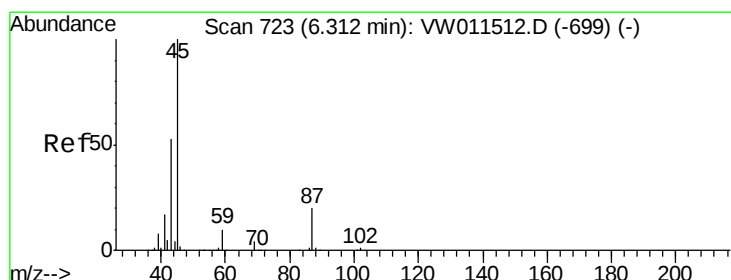
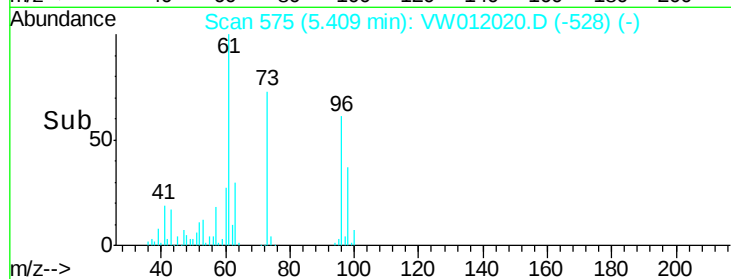
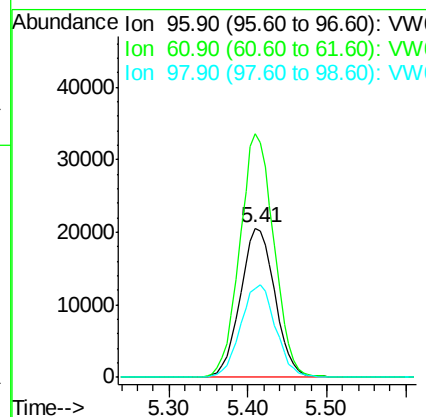
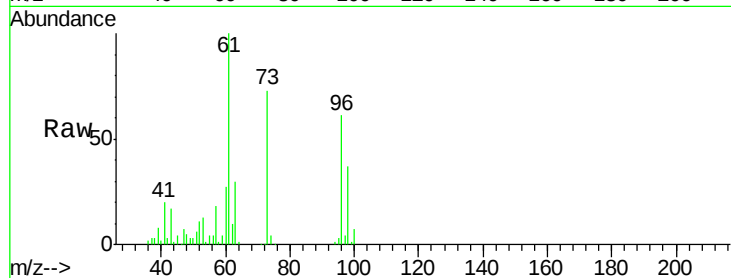
ClientSampleId :

VW0820SBS01

Tot Ion:	96	Resp:	62692
Ion	Ratio	Lower	Upper
96	100		
61	163.2	125.7	188.5
98	59.7	50.3	75.5

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#22

Diisopropyl ether

Concen: 20.504 ug/l

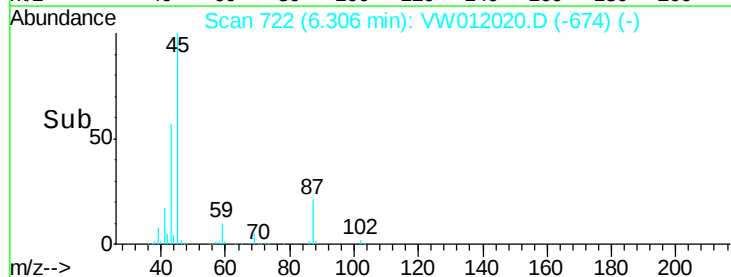
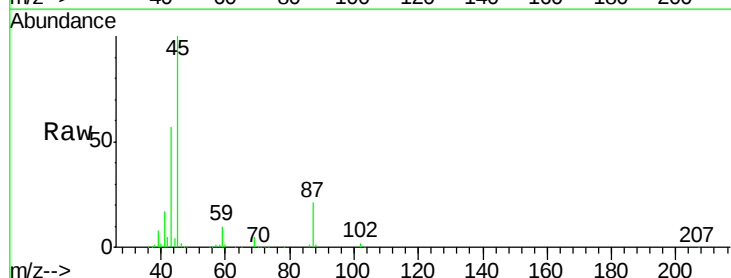
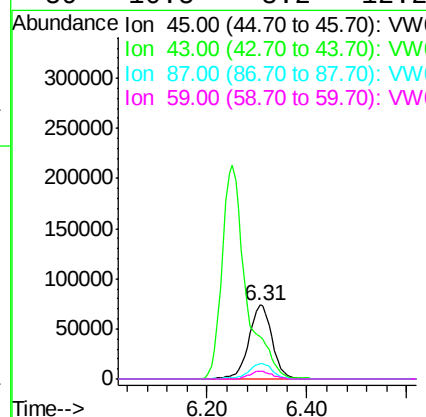
RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion:	45	Resp:	237115
Ion	Ratio	Lower	Upper
45	100		
43	57.4	42.6	63.8
87	21.2	16.4	24.6
59	10.5	8.2	12.2





#23

Vinyl Acetate

Concen: 97.622 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 43 Resp: 709381

Ion Ratio Lower Upper

43 100

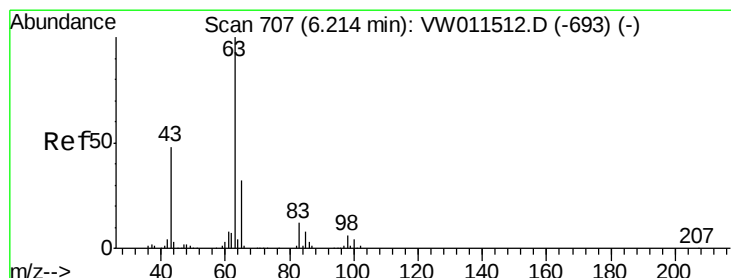
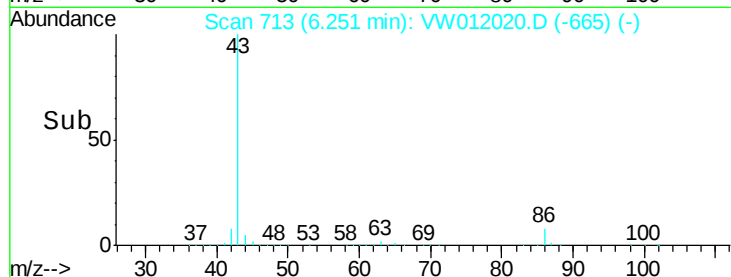
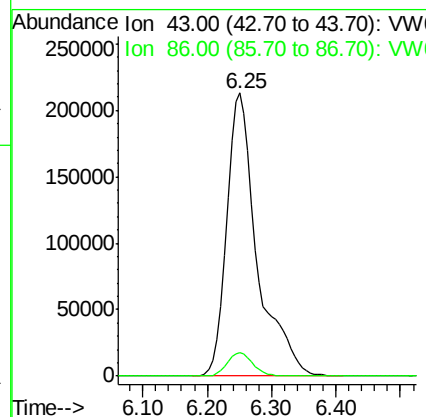
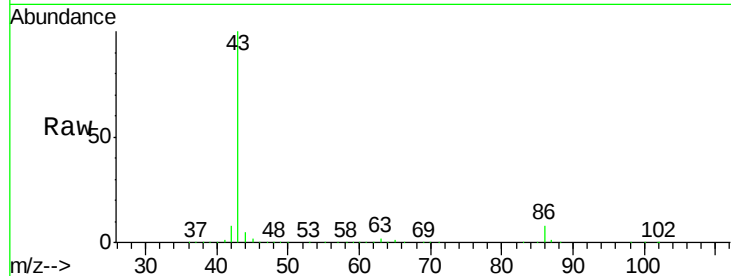
86 8.1 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 20.019 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

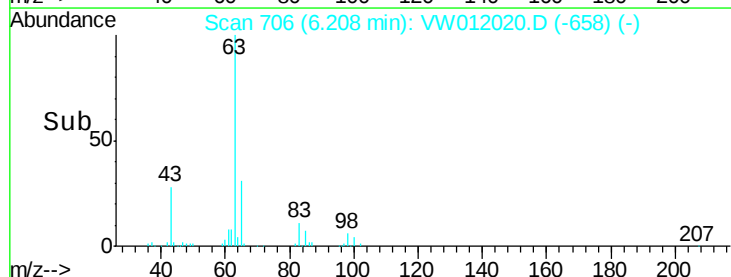
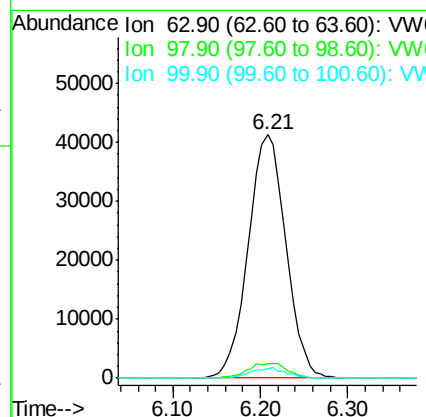
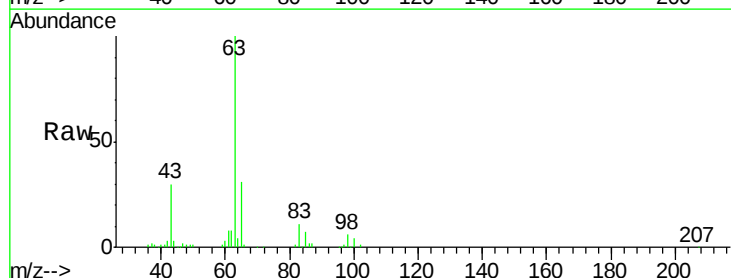
Tgt Ion: 63 Resp: 123989

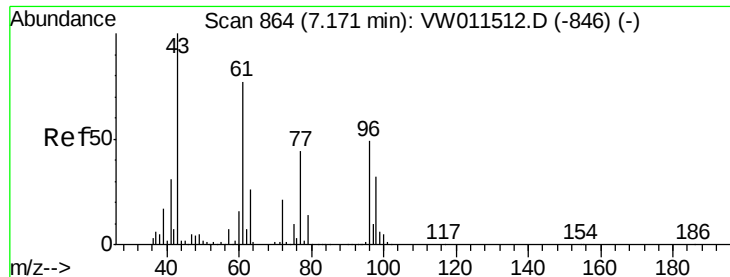
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.9 2.1 6.3





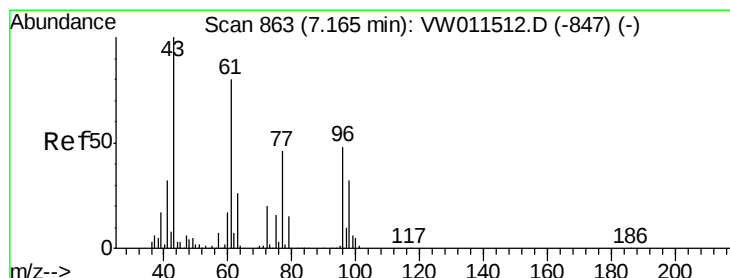
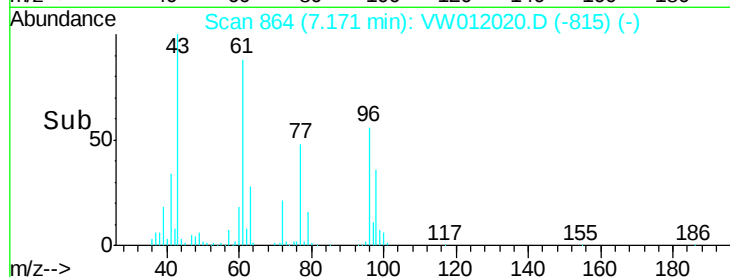
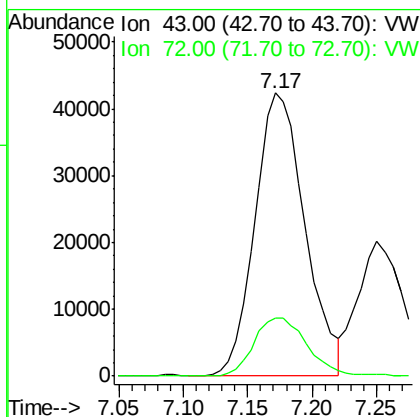
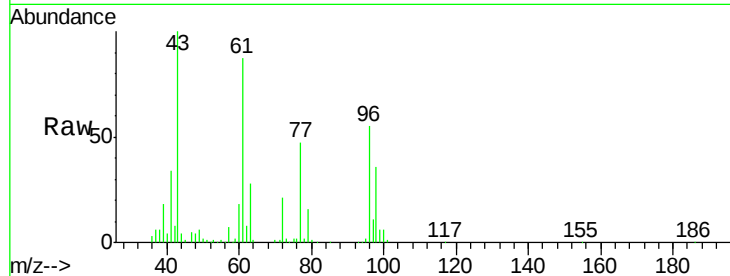
#25
2-Butanone
Concen: 85.717 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion: 43 Resp: 113449
Ion Ratio Lower Upper
43 100
72 20.6 16.6 24.8

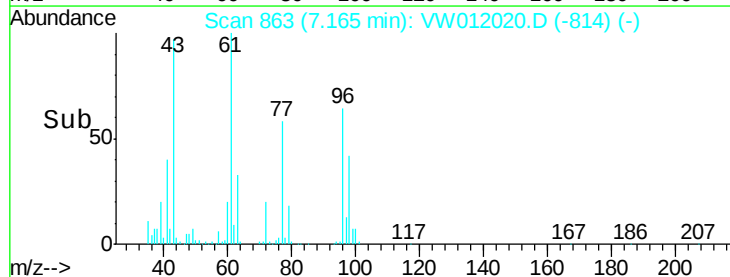
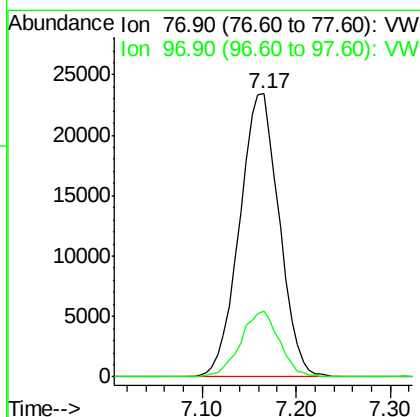
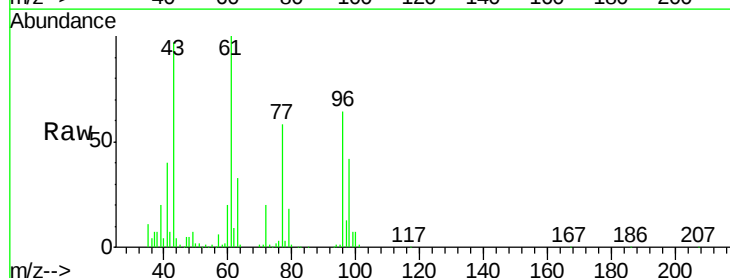
Manual Integrations
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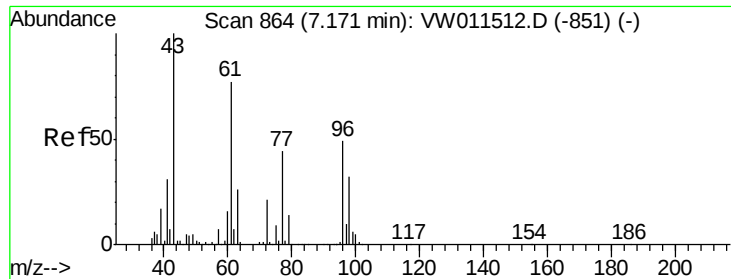
MMDadoda
8/21/2019 8:28:47 AM



#26
2,2-Dichloropropane
Concen: 18.109 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion: 77 Resp: 68976
Ion Ratio Lower Upper
77 100
97 22.6 10.8 32.4





#27

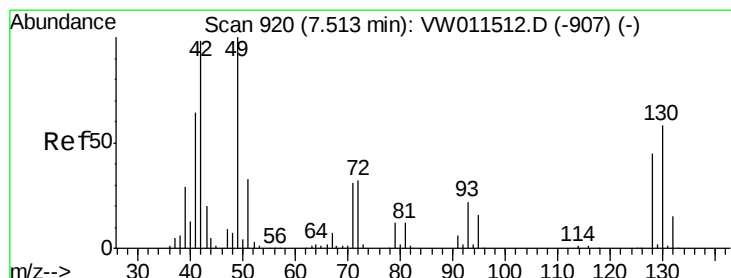
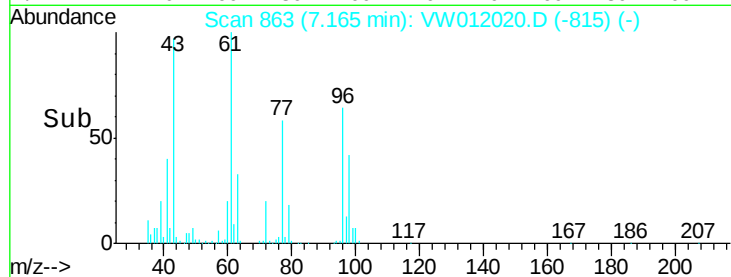
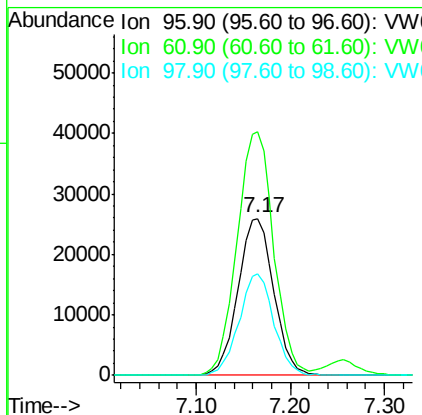
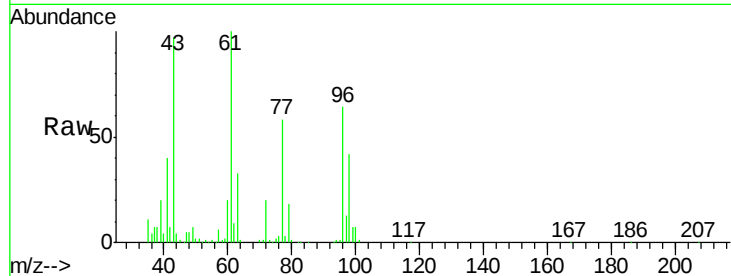
cis-1,2-Dichloroethene
 Concen: 20.053 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	328.4
98	63.4	0.0	128.8

Manual Integrations
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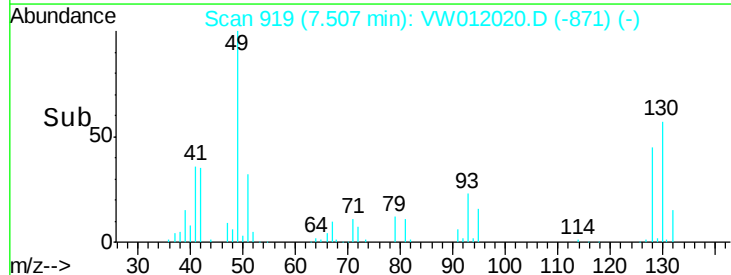
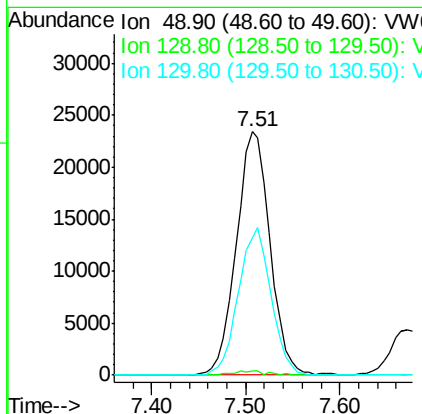
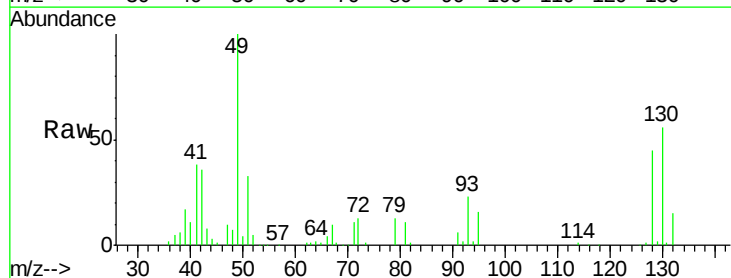
MMDadoda
 8/21/2019 8:28:47 AM

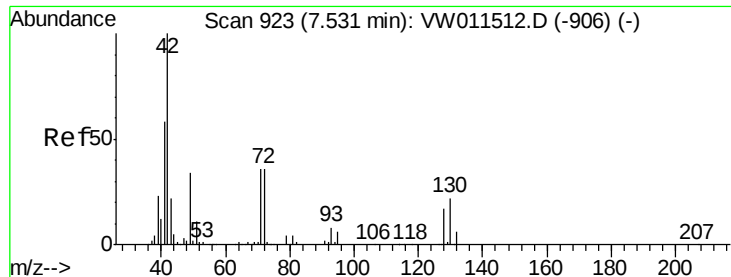


#28

Bromochloromethane
 Concen: 21.261 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	1.0#
130	58.5	46.3	69.5





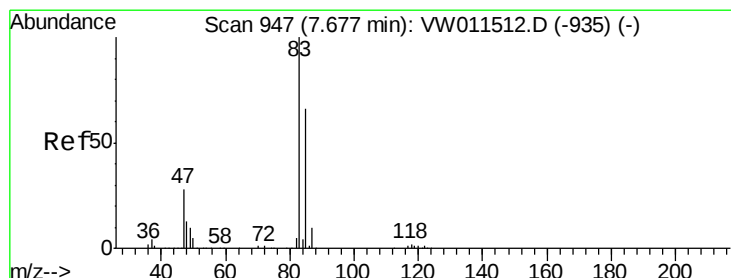
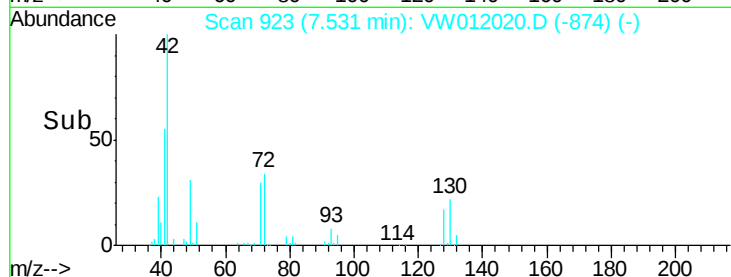
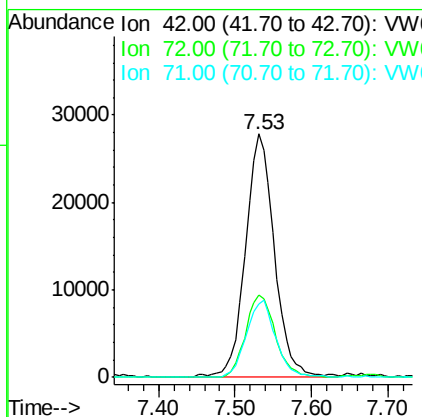
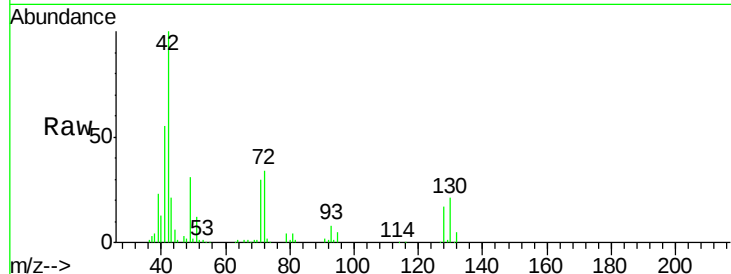
#29
Tetrahydrofuran
Concen: 97.383 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.1	40.7
71	31.6	26.2	39.4

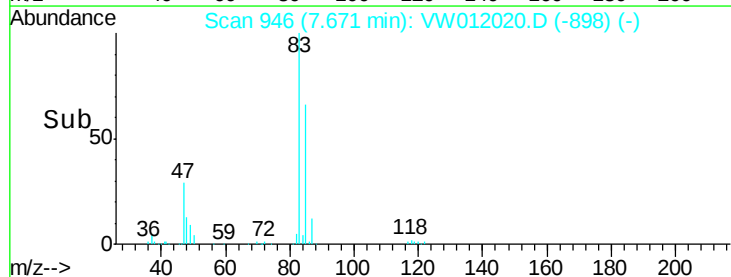
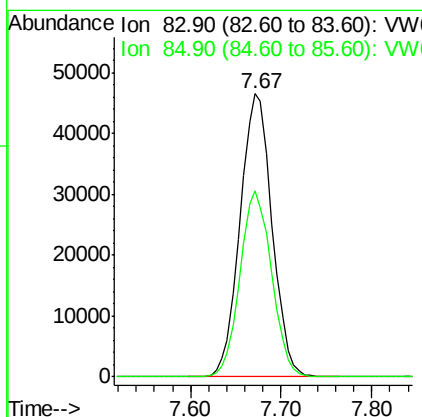
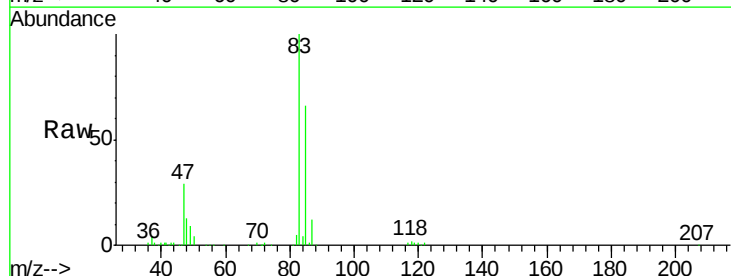
Manual Integrations
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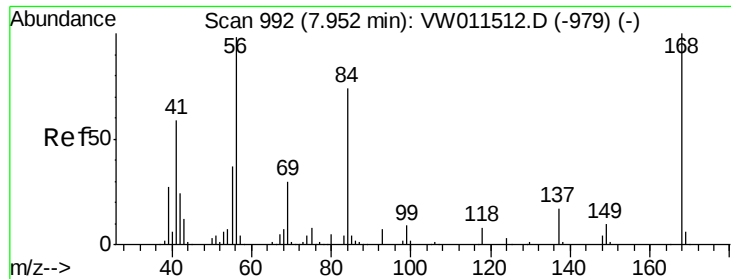
MMDadoda
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#30
Chloroform
Concen: 19.842 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.5	78.7





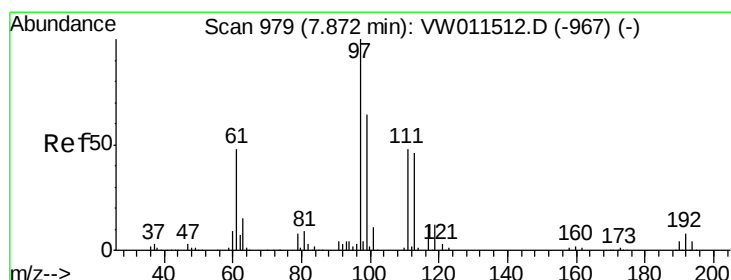
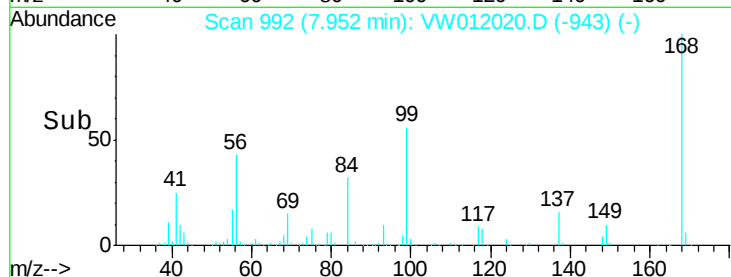
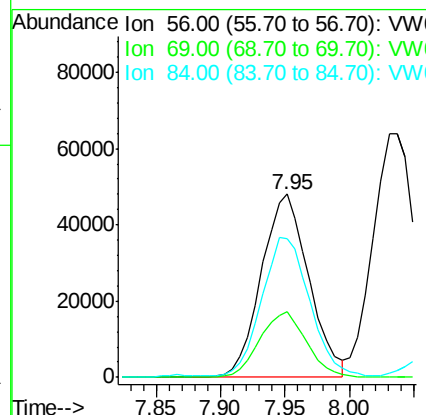
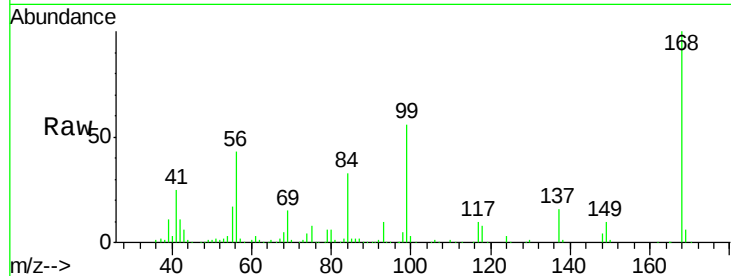
#31
Cyclohexane
Concen: 20.698 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	56	Resp	123055
Ion Ratio	Lower	Upper	
56	100		
69	36.0	24.3	36.5
84	74.3	60.4	90.6

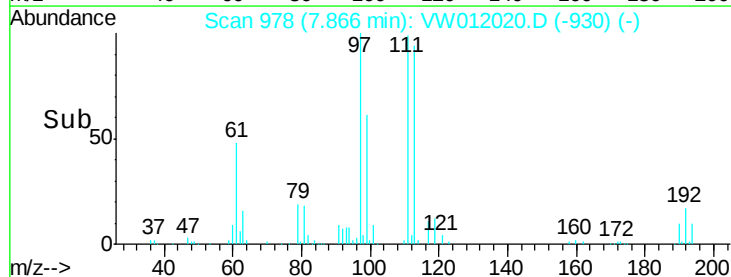
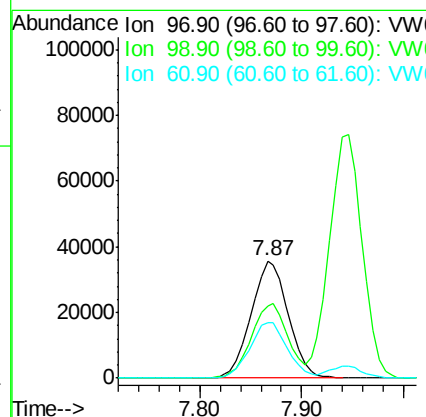
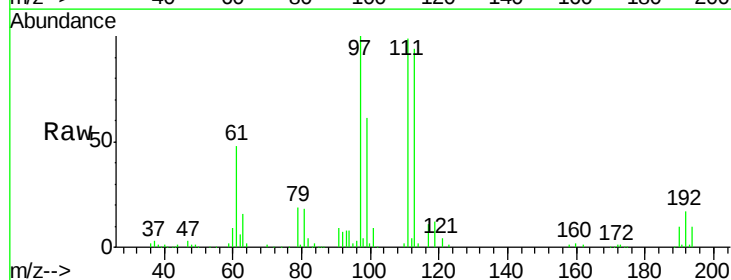
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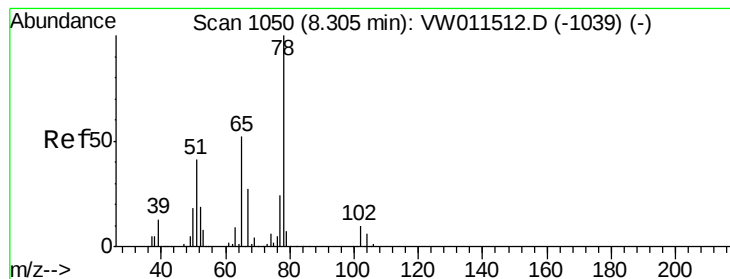
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#32
1,1,1-Trichloroethane
Concen: 20.684 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	97	Resp	90009
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.0	76.6
61	48.5	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 49.295 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 65 Resp: 156743

Ion Ratio Lower Upper

65 100

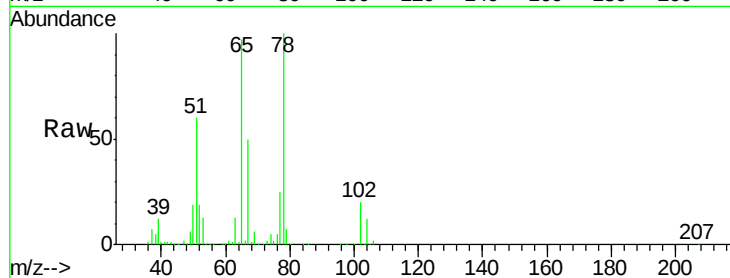
67 51.8 0.0 105.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

60000

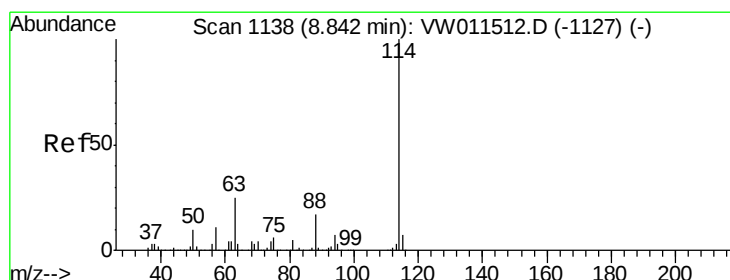
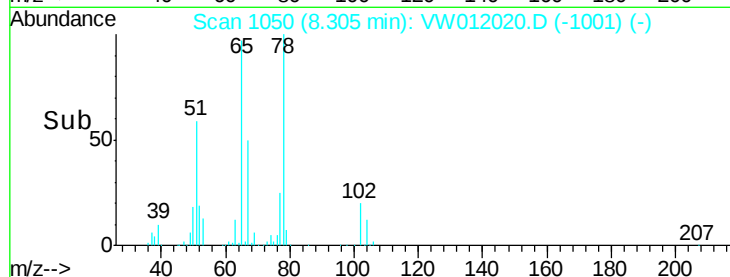
40000

20000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

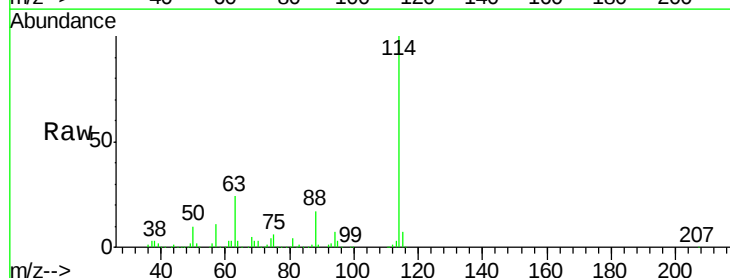
Tgt Ion: 114 Resp: 441228

Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

88 16.9 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

300000

250000

200000

150000

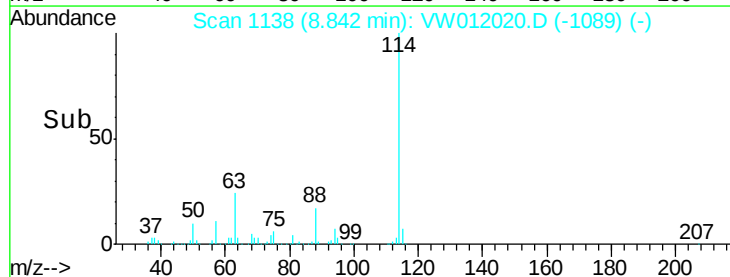
100000

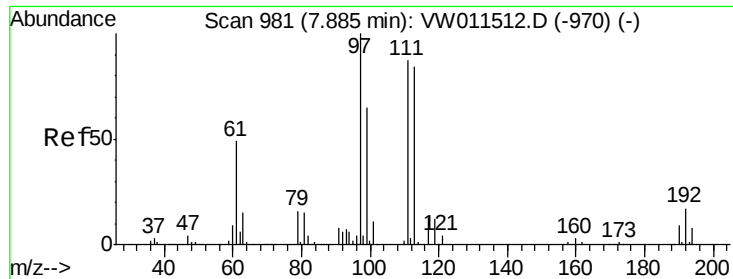
50000

0

8.80 8.84 8.88

Time-->





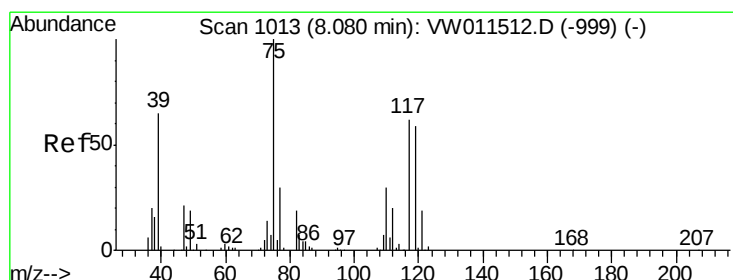
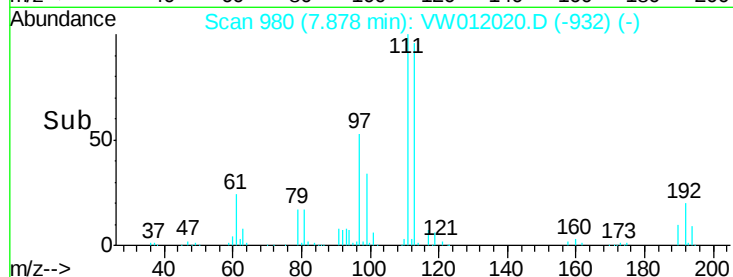
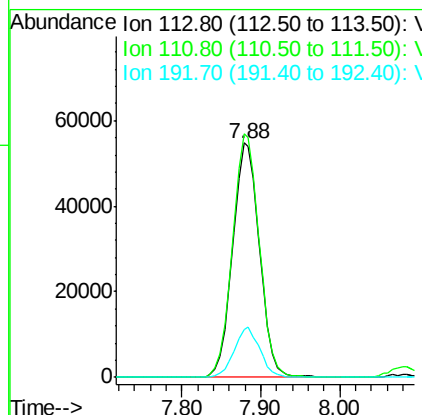
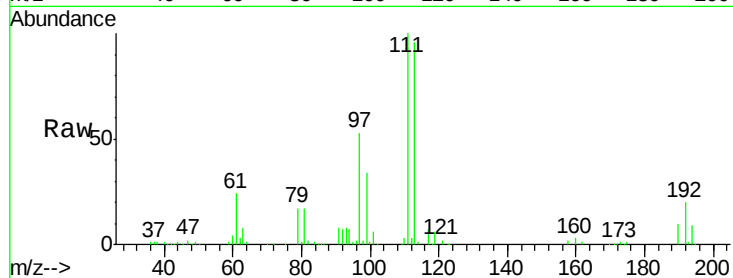
#35
 Dibromofluoromethane
 Concen: 52.162 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129119		
111	103.7	82.7	124.1	
192	20.4	16.1	24.1	

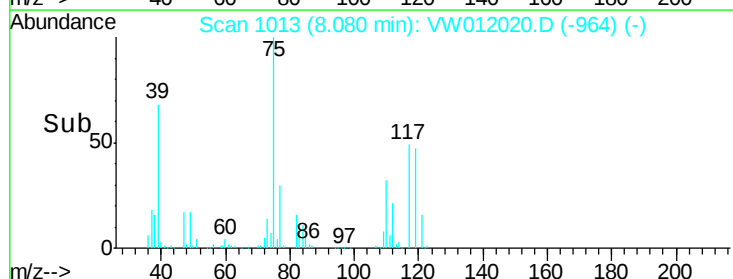
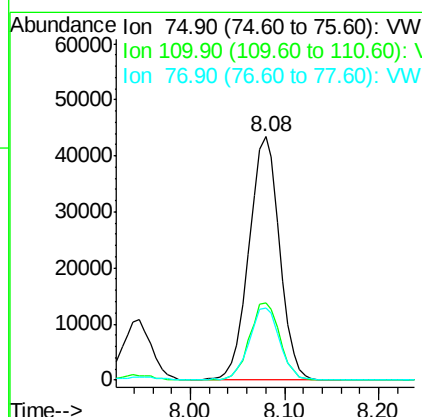
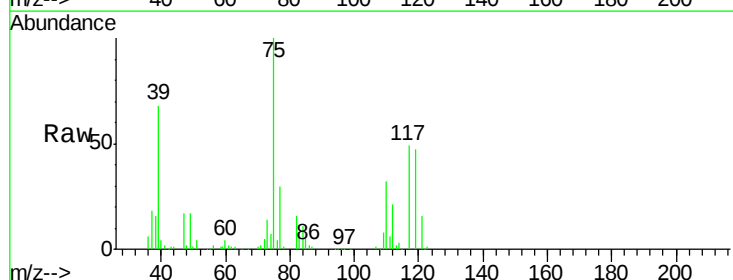
Manual Integrations
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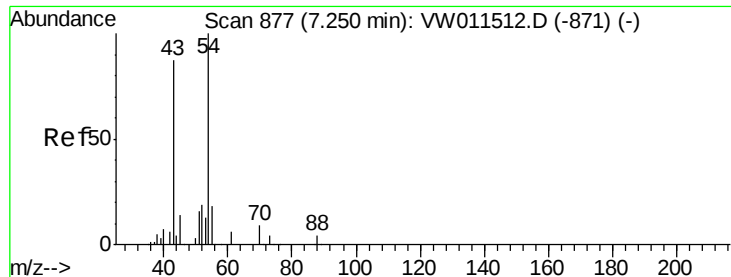
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 21.446 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98393		
110	31.6	15.6	46.8	
77	29.9	24.3	36.5	





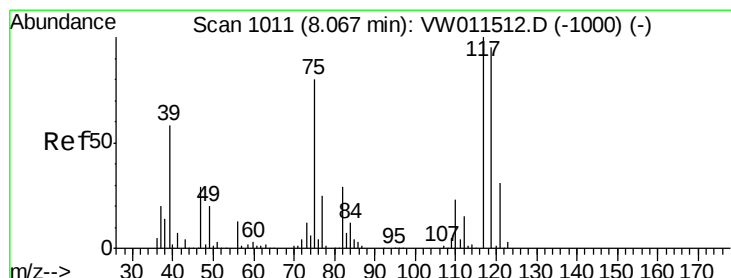
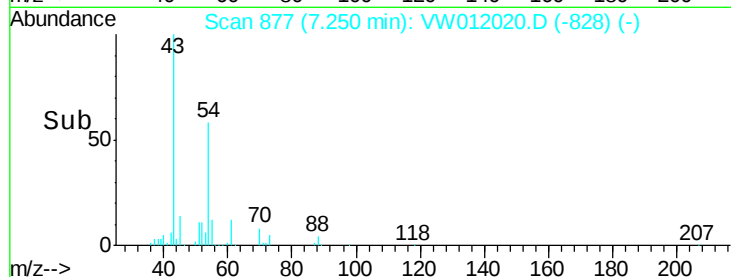
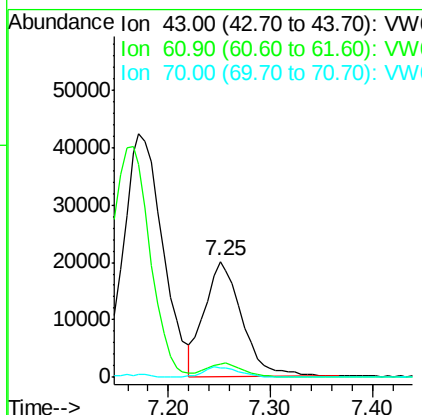
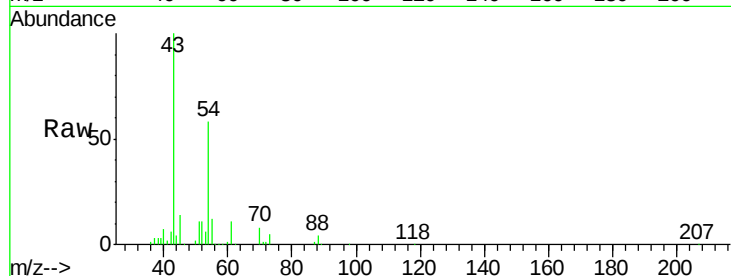
#37
Ethyl Acetate
Concen: 19.302 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampled :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	8.8	13.2
70	8.8	7.1	10.7

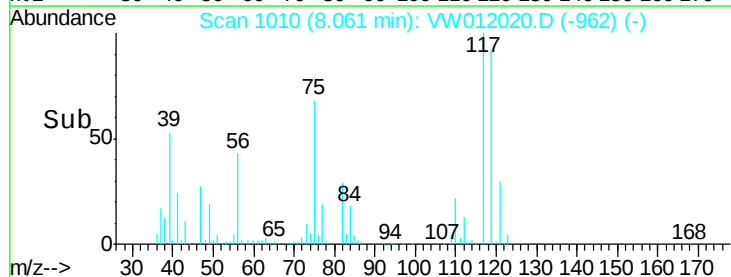
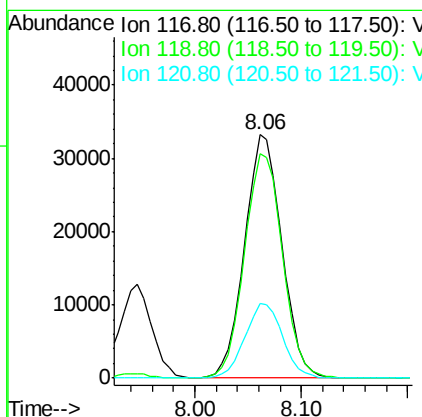
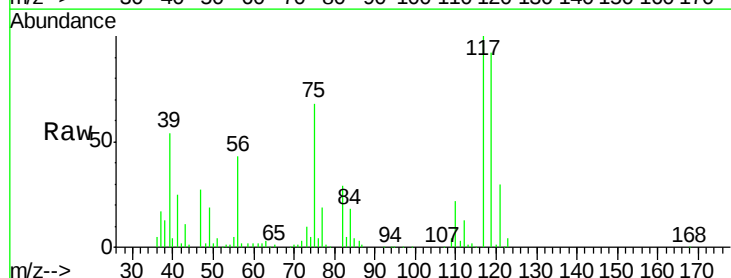
Manual Integrations
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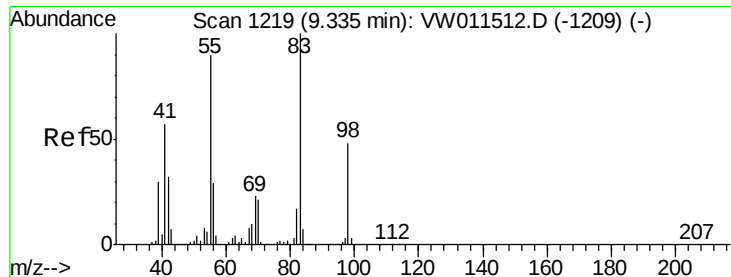
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.794 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.8	113.6
121	30.5	24.7	37.1





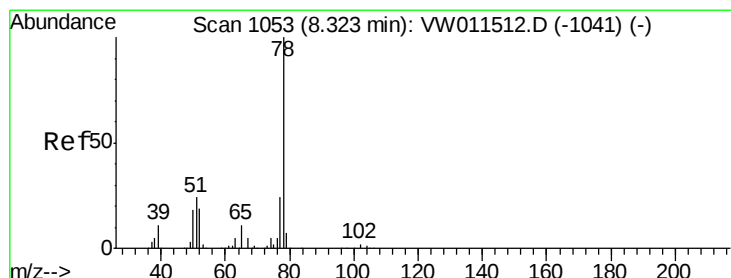
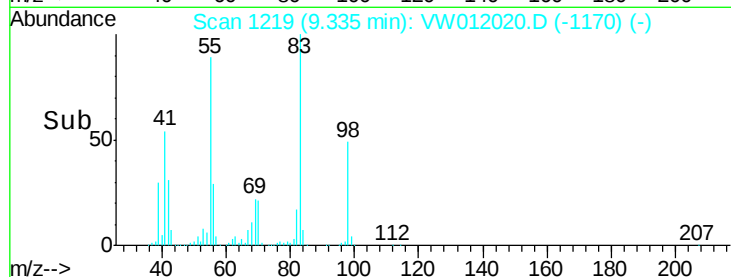
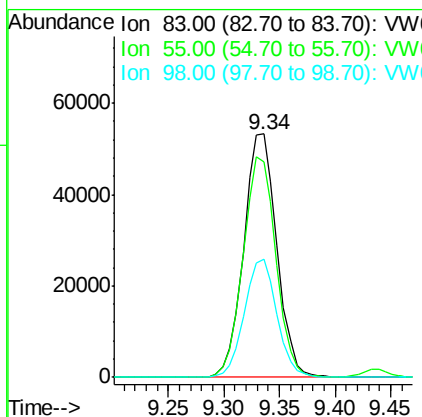
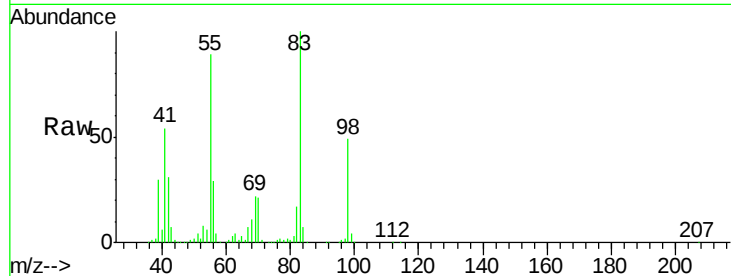
#39
Methvlcvclohexane
Concen: 21.776 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	88.6	72.1	108.1	
98	48.6	38.6	57.8	

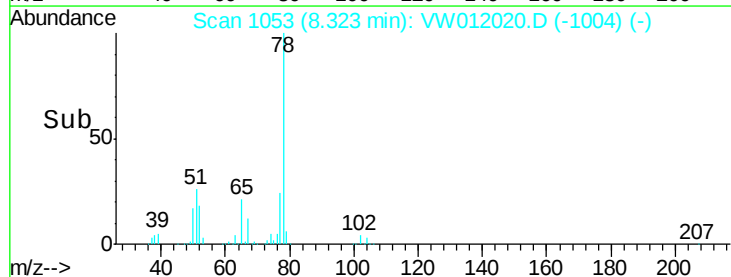
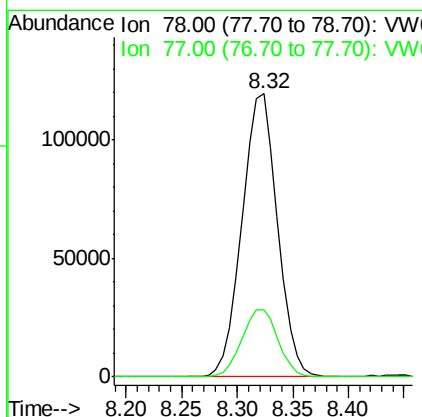
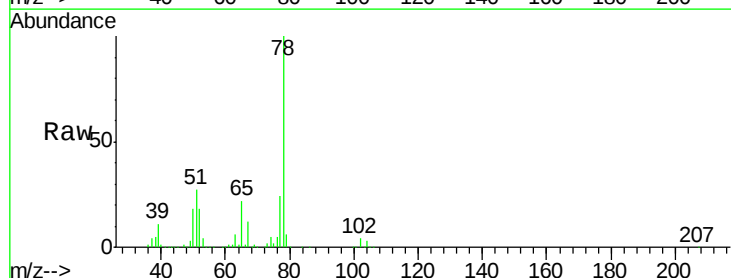
Manual Integrations
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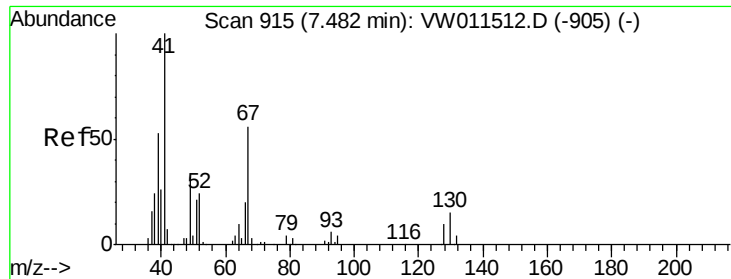
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#40
Benzene
Concen: 20.641 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.4	29.0	





#41

Methacrylonitrile

Concen: 18.960 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

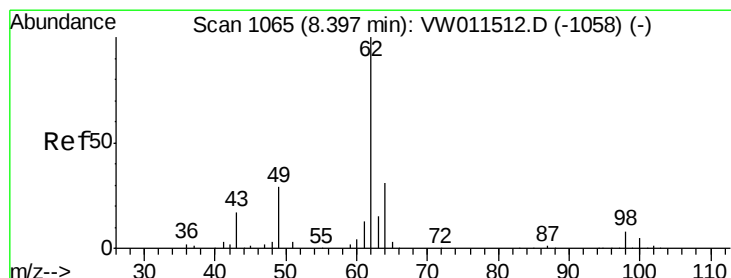
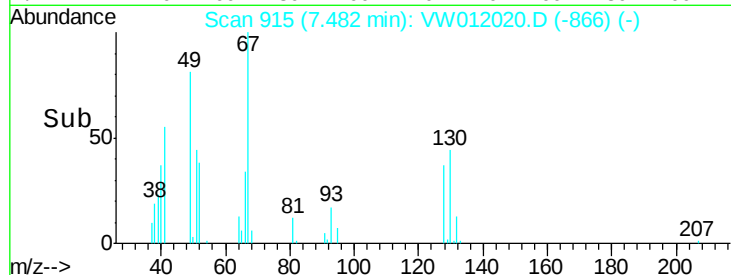
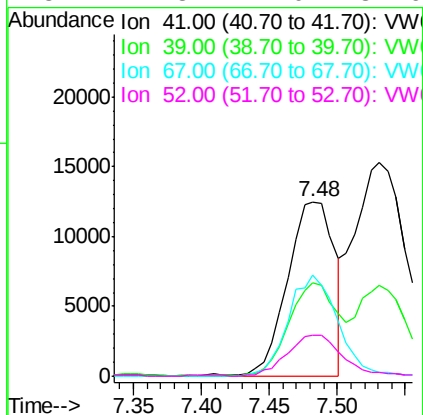
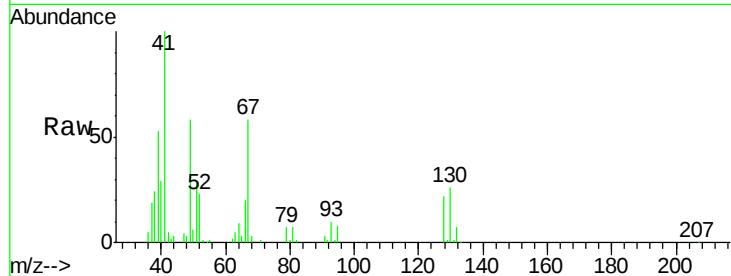
ClientSampleId :

VW0820SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	43.0	64.4	
67	61.2	47.5	71.3	
52	27.8	21.0	31.6	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.080 ug/l

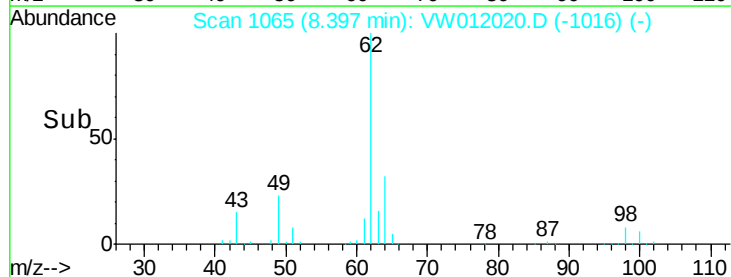
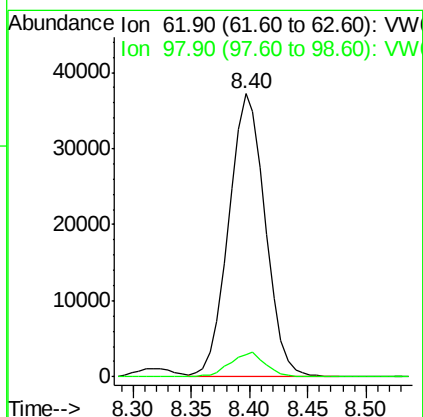
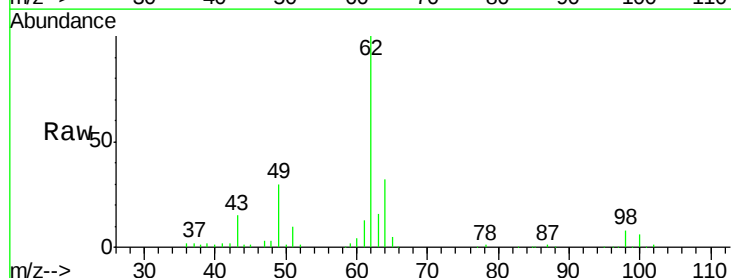
RT: 8.40 min Scan# 1065

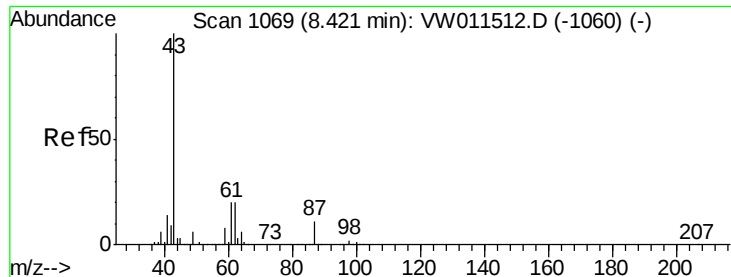
Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.8	





#43

Isopropyl Acetate

Concen: 19.608 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

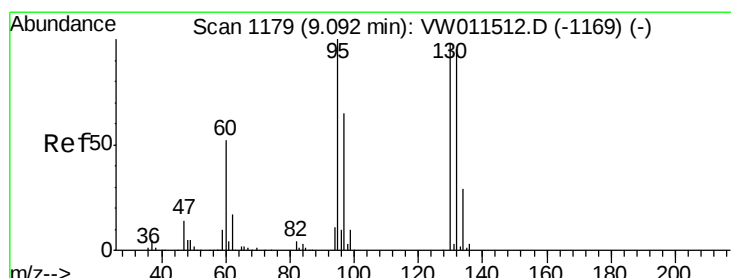
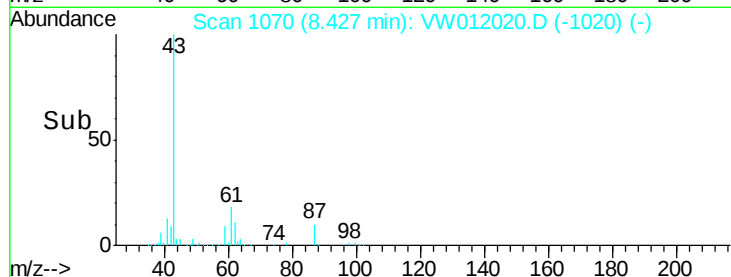
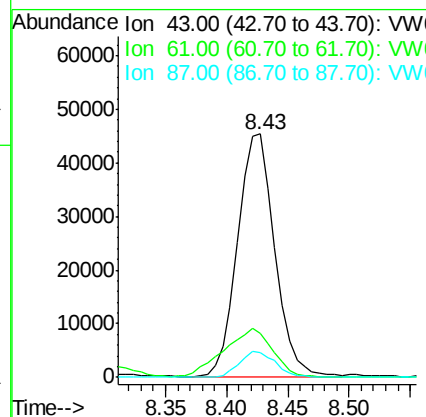
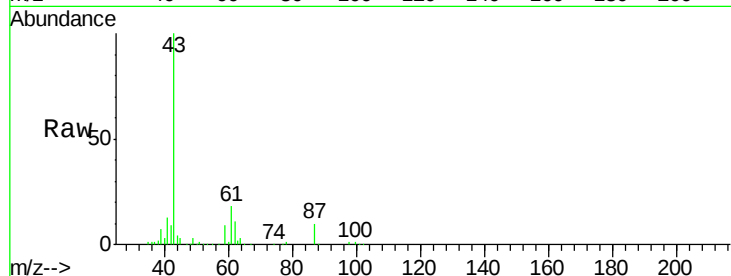
ClientSampleId :

VW0820SBS01

Tot Ion:	43	Resp:	95186
Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.5	32.3
87	10.5	8.4	12.6

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#44

Trichloroethene

Concen: 20.853 ug/l

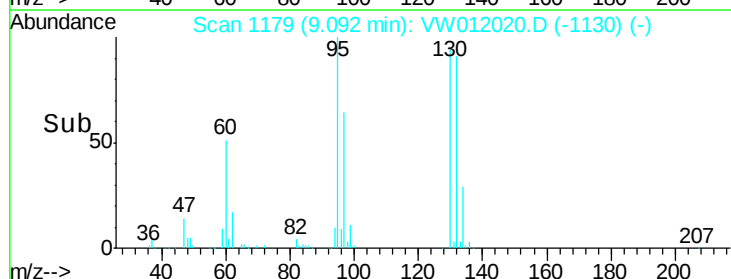
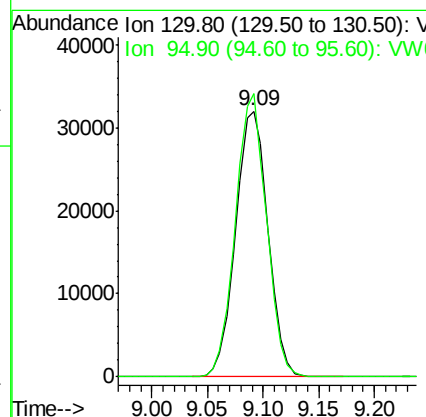
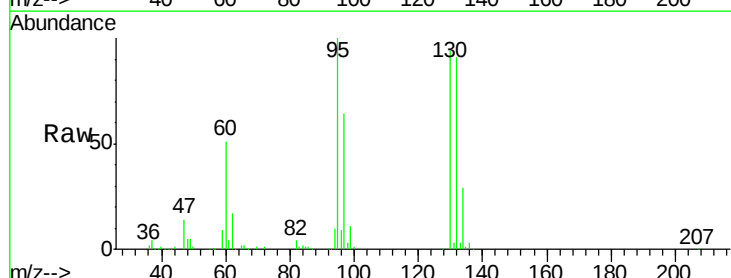
RT: 9.09 min Scan# 1179

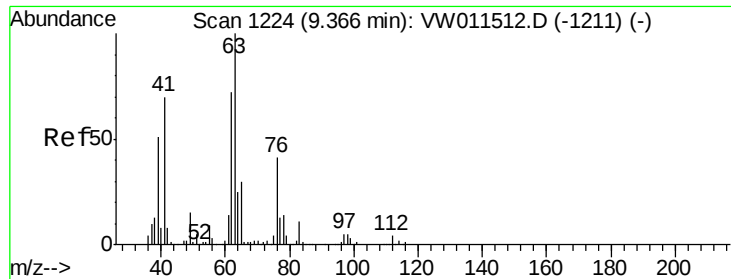
Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion:	130	Resp:	64411
Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	204.8





#45

1,2-Dichloropropane

Concen: 20.655 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 63 Resp: 71024

Ion Ratio Lower Upper

63 100

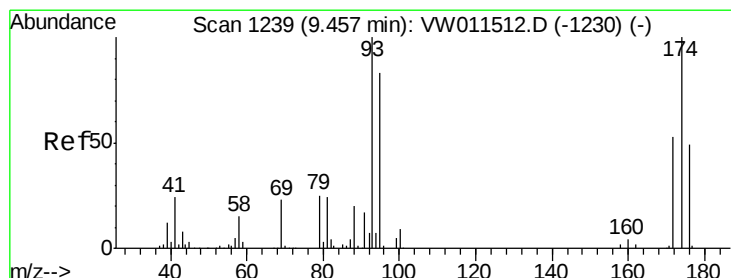
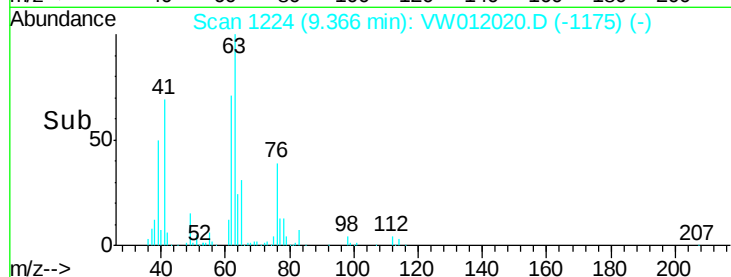
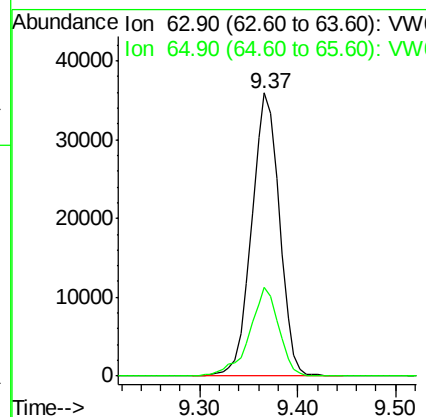
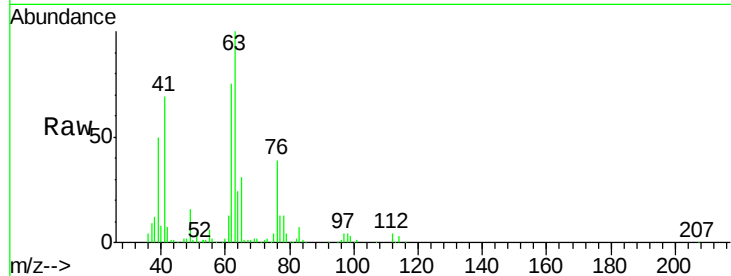
65 31.4 24.2 36.4

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#46

Dibromomethane

Concen: 20.086 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

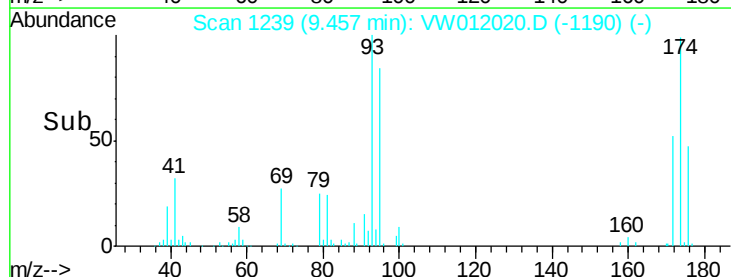
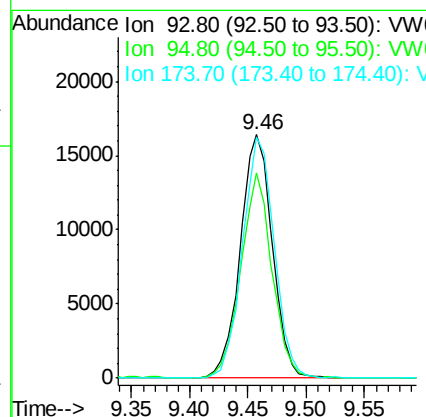
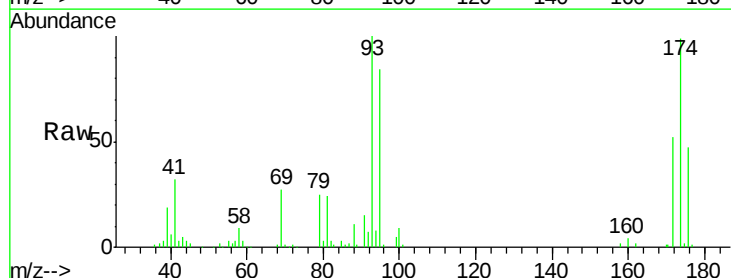
Tgt Ion: 93 Resp: 31523

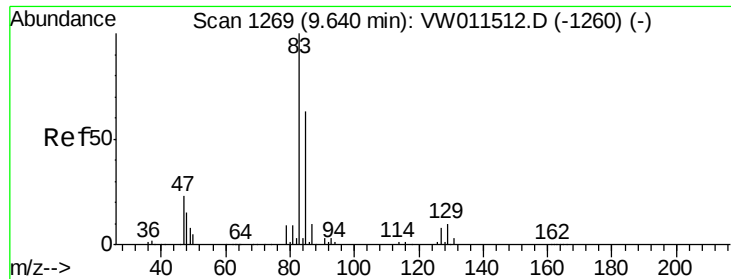
Ion Ratio Lower Upper

93 100

95 81.7 66.2 99.2

174 98.6 78.2 117.4





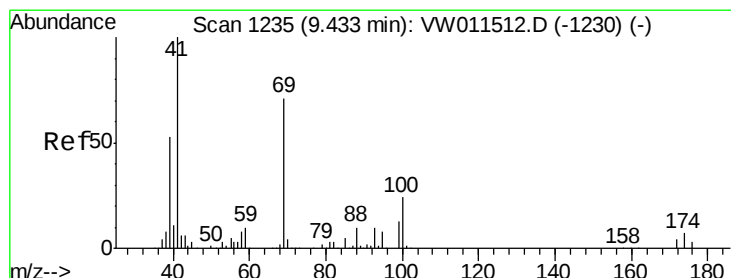
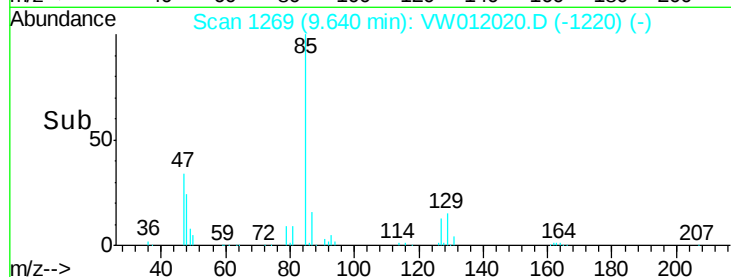
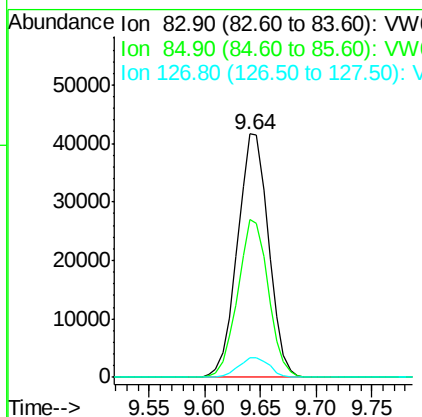
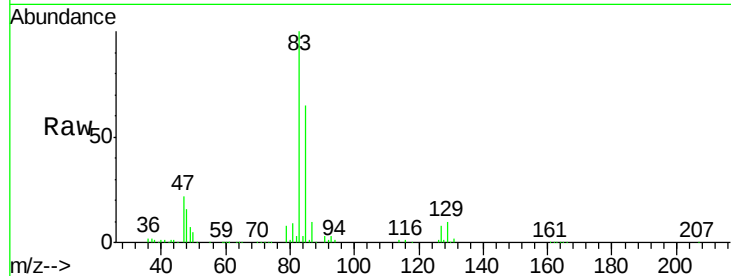
#47
Bromodichloromethane
Concen: 19.603 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	80701		
85	64.6	50.5	75.7	
127	8.1	6.4	9.6	

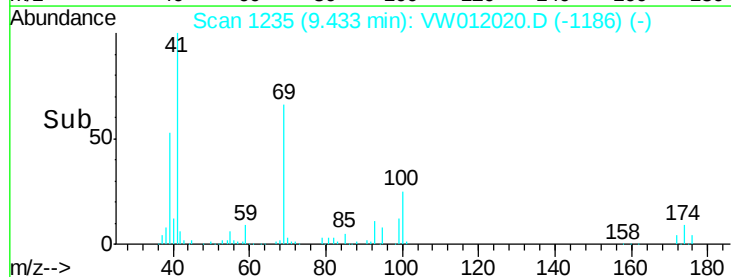
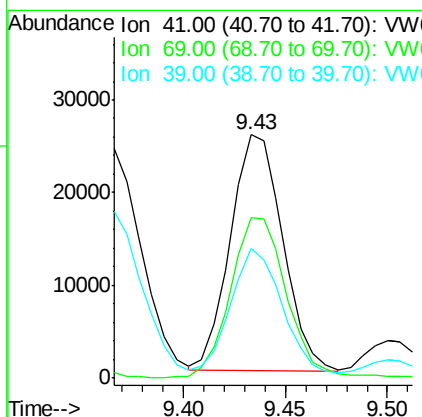
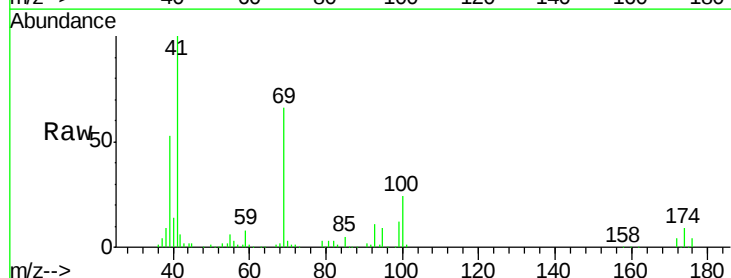
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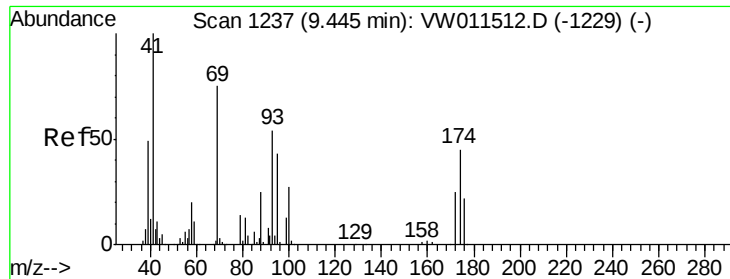
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#48
Methyl methacrylate
Concen: 19.493 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45455		
69	73.6	57.1	85.7	
39	50.7	45.4	68.2	





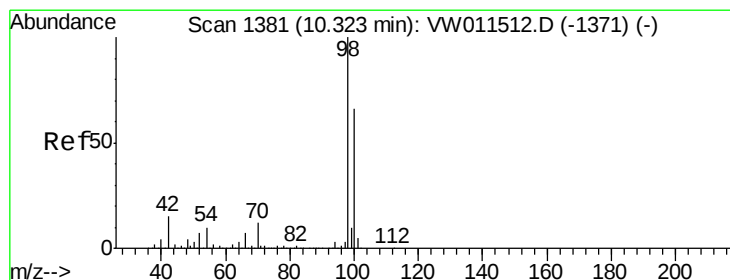
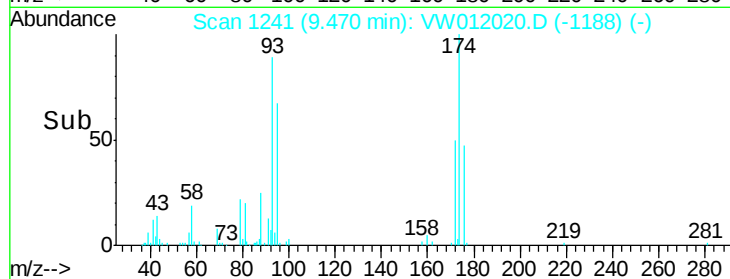
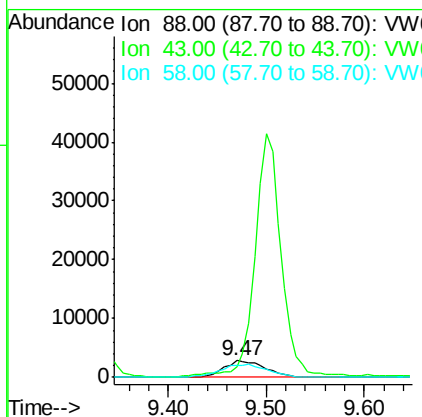
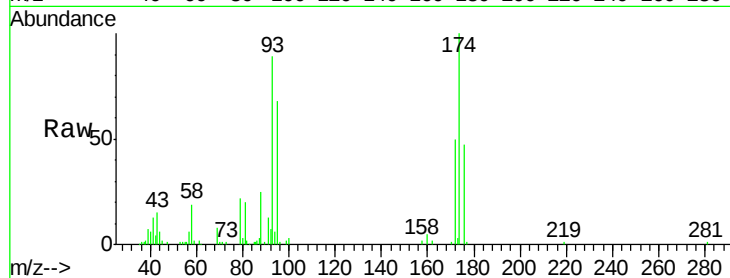
#49
1,4-Dioxane
Concen: 372.732 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion: 88 Resp: 8470
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 90.0 69.7 104.5

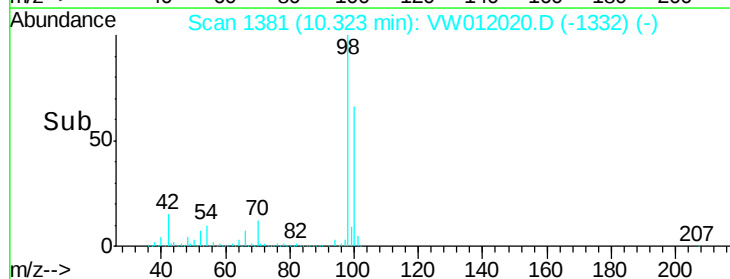
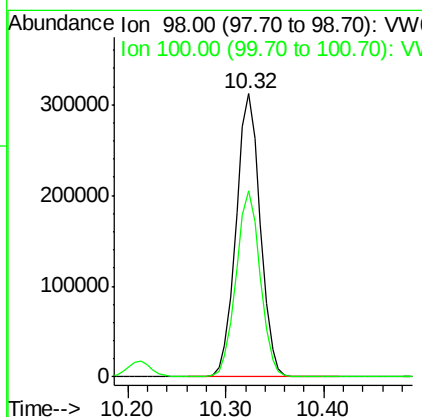
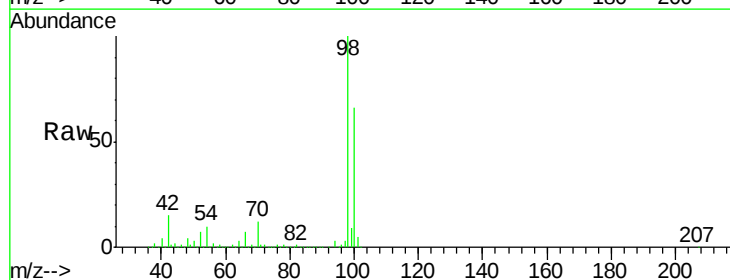
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#50
Toluene-d8
Concen: 52.671 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion: 98 Resp: 533813
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 98.005 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 43 Resp: 247462

Ion Ratio Lower Upper

43 100

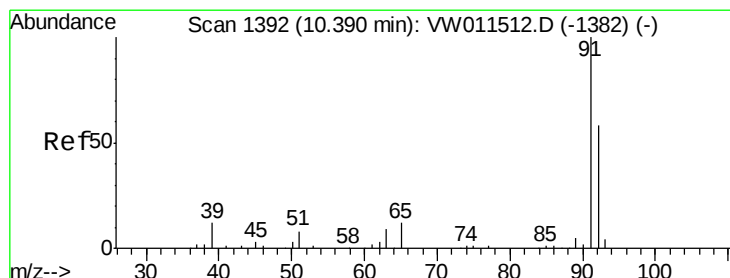
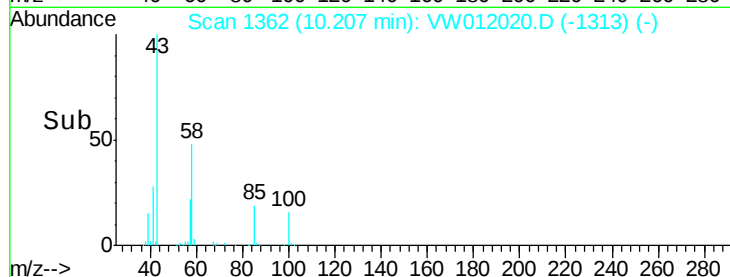
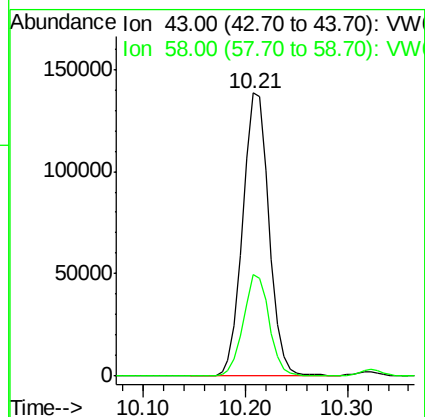
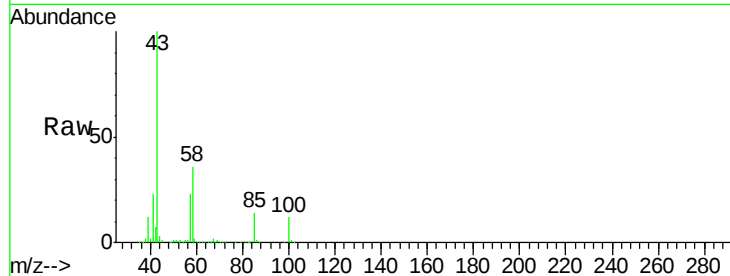
58 35.3 28.2 42.2

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#52

Toluene

Concen: 20.749 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012020.D

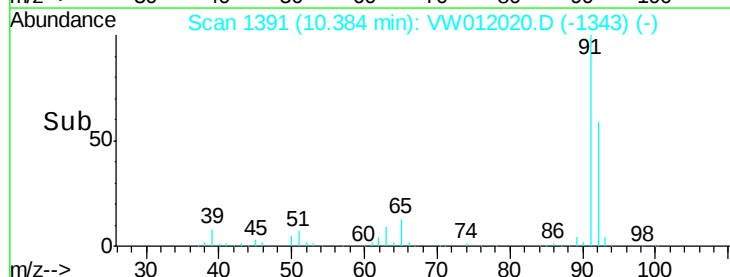
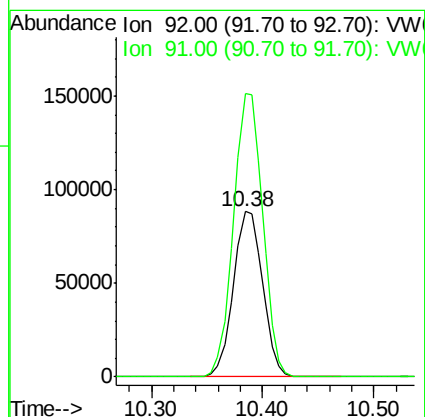
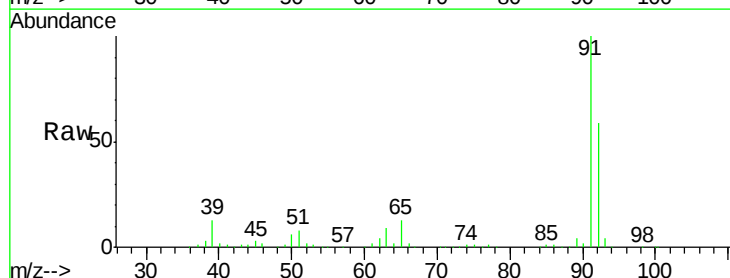
Acq: 20 Aug 2019 10:16

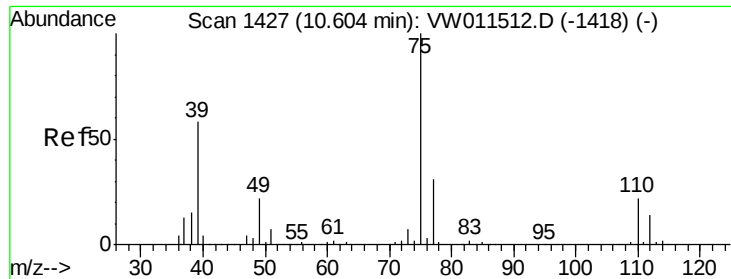
Tgt Ion: 92 Resp: 161025

Ion Ratio Lower Upper

92 100

91 171.0 136.7 205.1





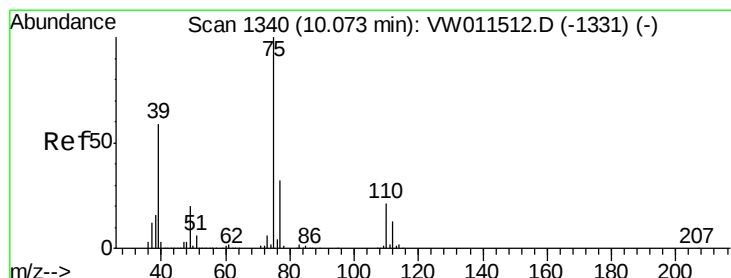
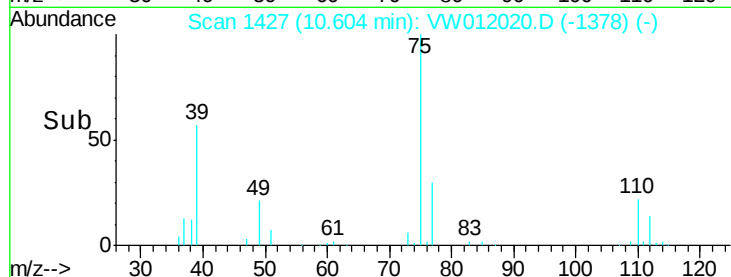
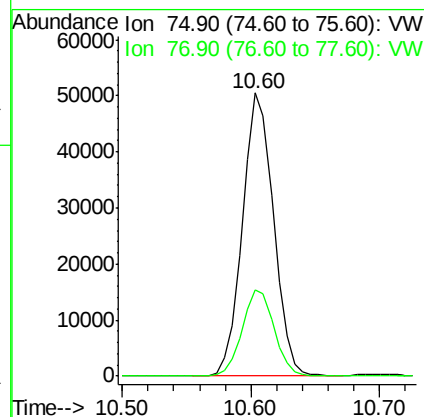
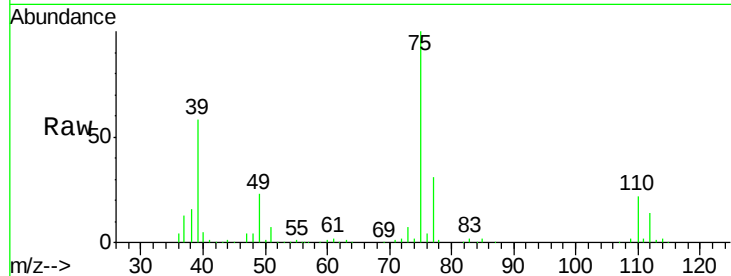
#53
t-1,3-Dichloropropene
Concen: 19.556 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	75	Resp	84100
Ion Ratio	100	Lower	Upper
77	30.7	25.0	37.4

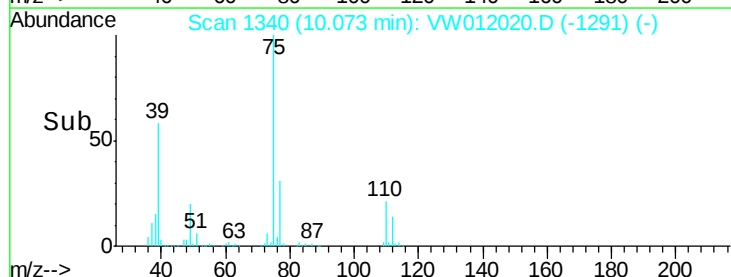
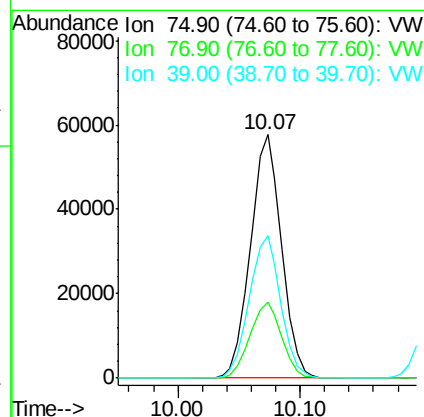
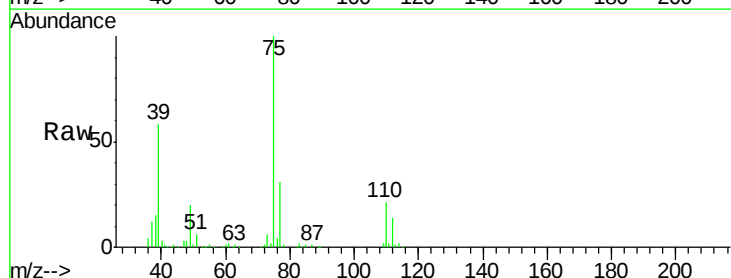
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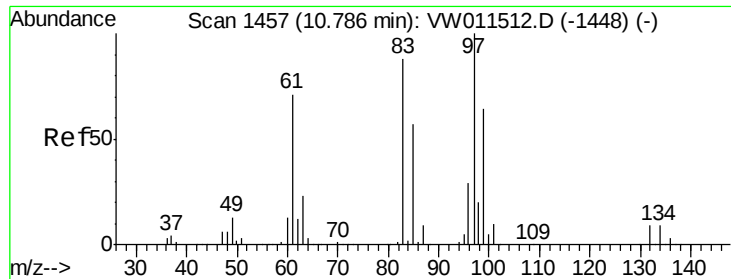
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#54
cis-1,3-Dichloropropene
Concen: 19.912 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	75	Resp	101815
Ion Ratio	100	Lower	Upper
77	31.0	25.6	38.4
39	58.4	47.0	70.4





#55

1,1,2-Trichloroethane

Concen: 20.087 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 97 Resp: 44728

Ion Ratio Lower Upper

97 100

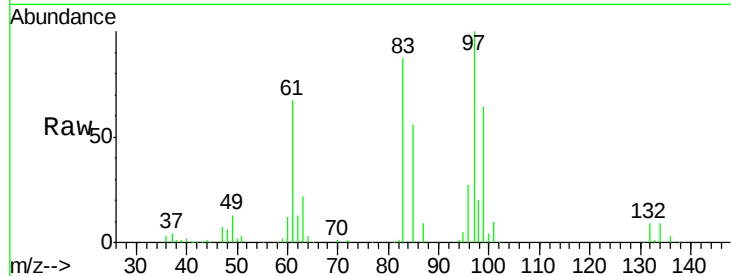
83 86.9 70.5 105.7

85 56.2 45.8 68.6

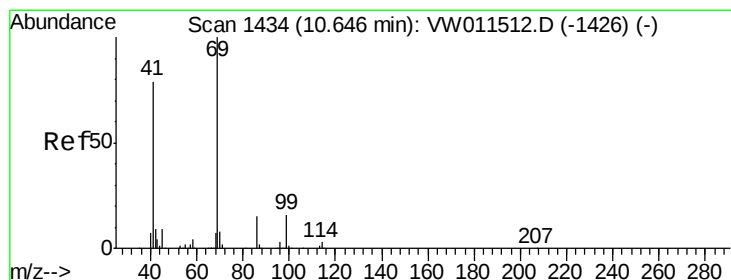
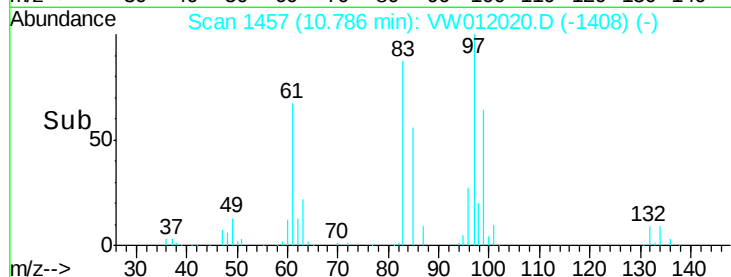
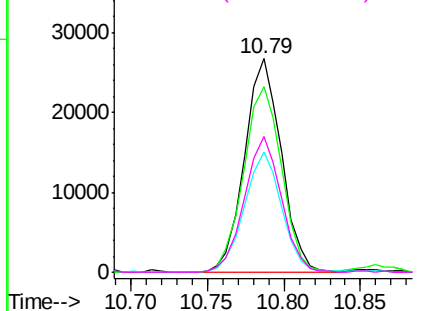
99 63.7 51.0 76.4

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Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.042 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

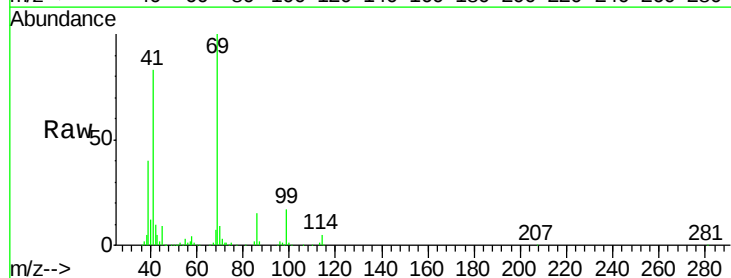
Tgt Ion: 69 Resp: 65306

Ion Ratio Lower Upper

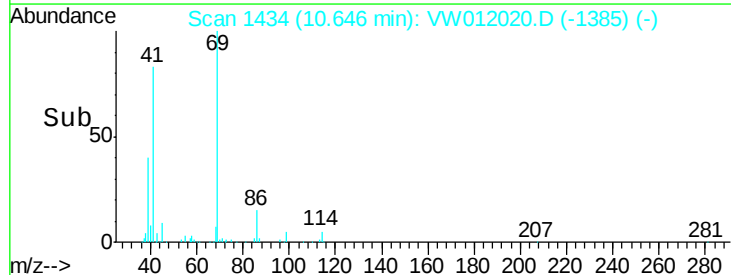
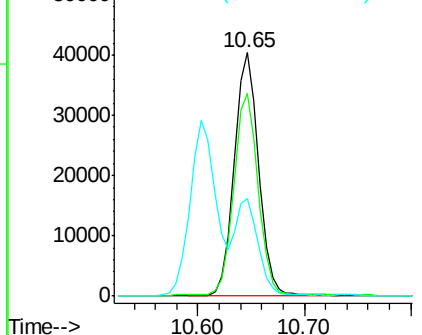
69 100

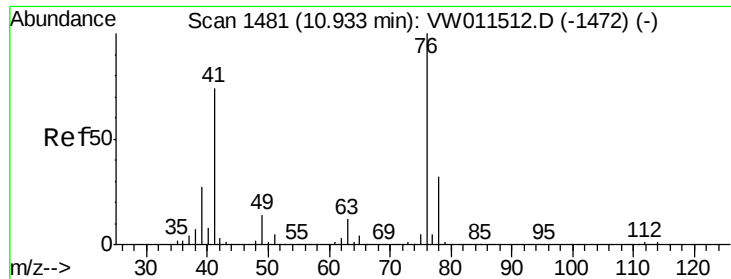
41 84.1 66.6 99.8

39 37.5 30.3 45.5



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW





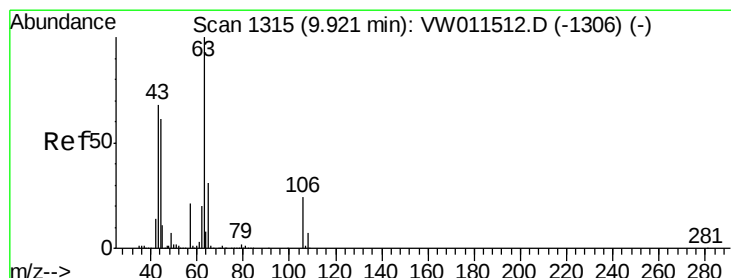
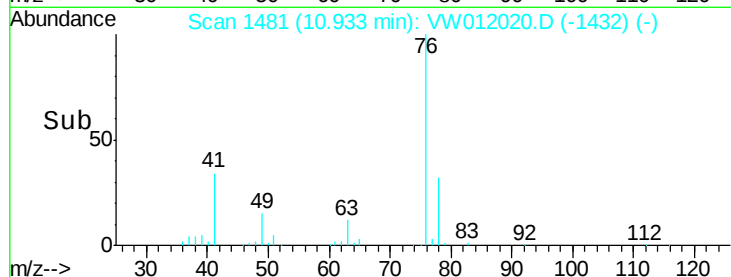
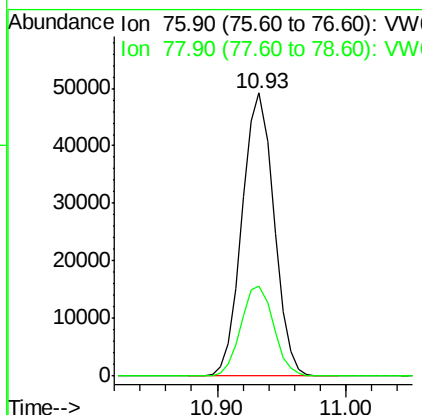
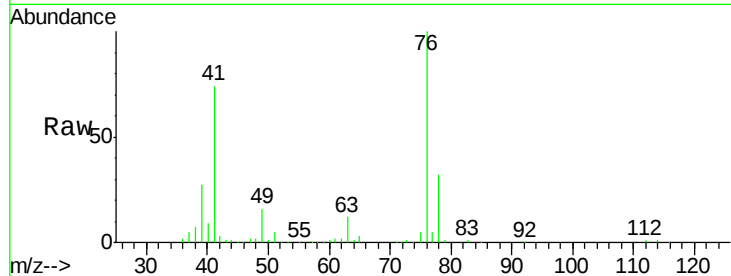
#57
 1,3-Dichloropropane
 Concen: 20.032 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion: 76 Resp: 84389
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.2 37.8

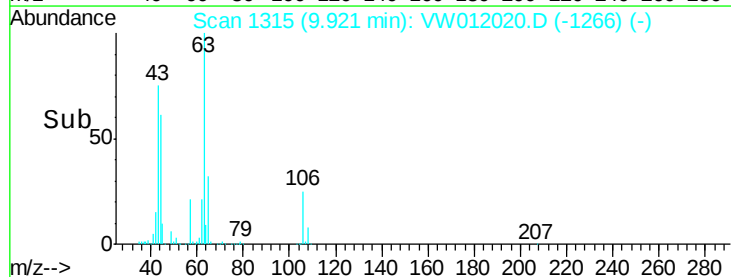
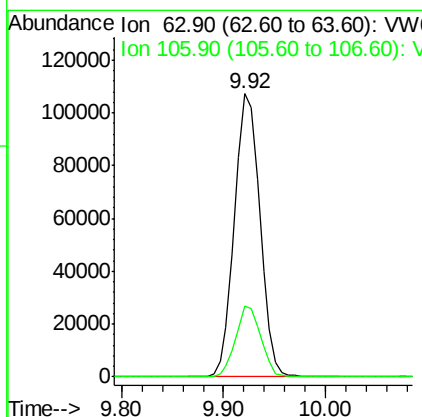
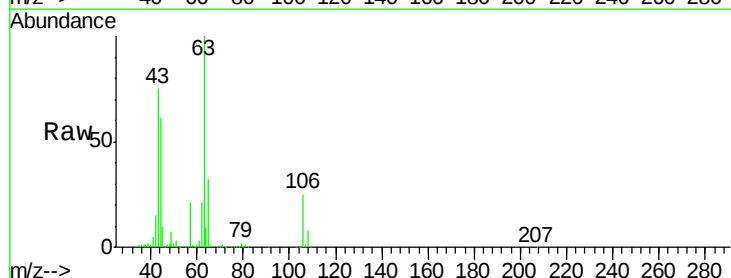
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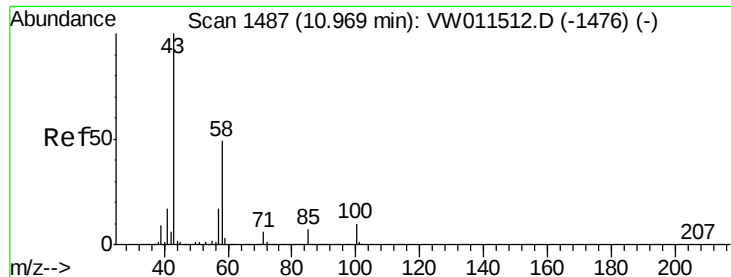
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#58
 2-Chloroethyl Vinyl ether
 Concen: 125.248 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Tgt Ion: 63 Resp: 185301
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5





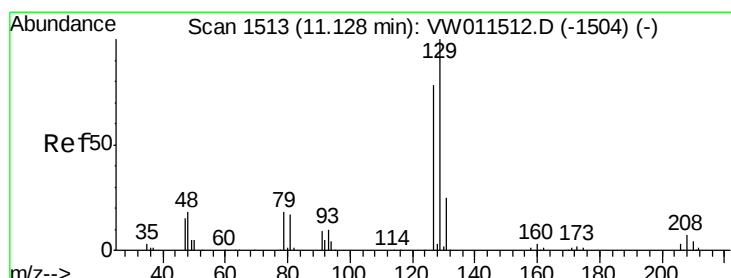
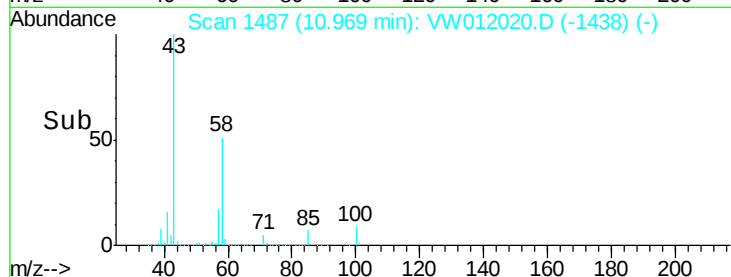
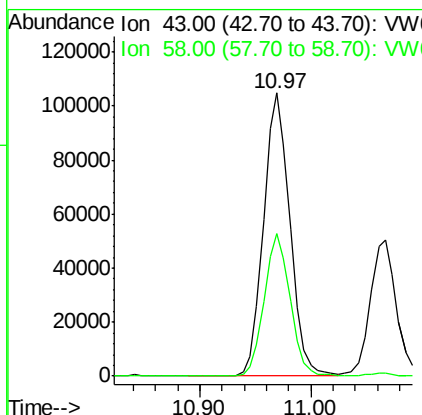
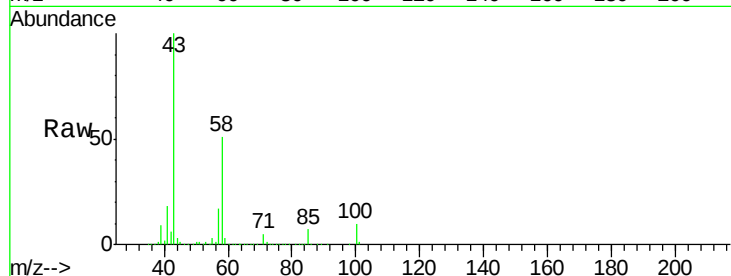
#59
2-Hexanone
Concen: 97.155 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion: 43 Resp: 173209
Ion Ratio Lower Upper
43 100
58 49.7 24.3 72.9

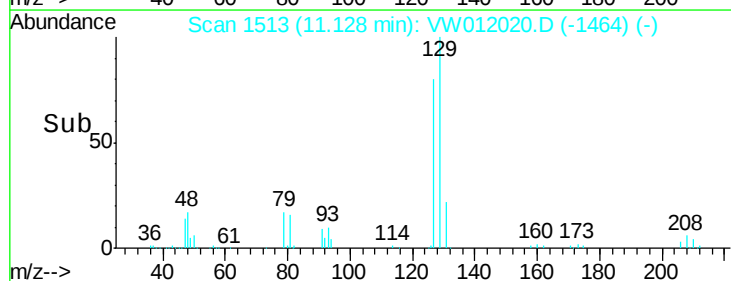
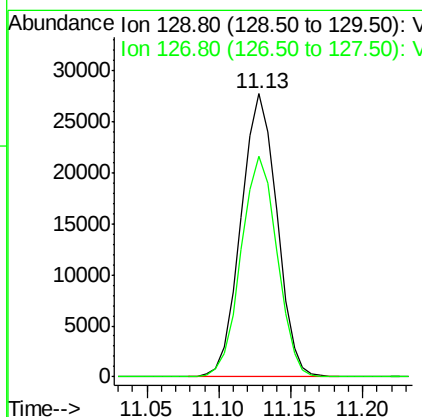
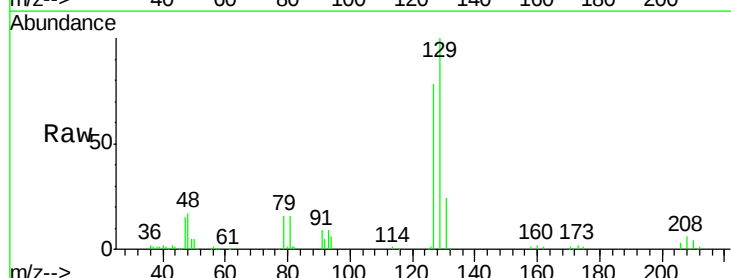
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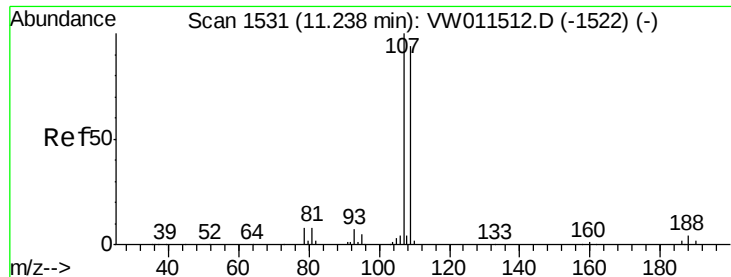
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#60
Dibromochloromethane
Concen: 19.420 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion: 129 Resp: 48001
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





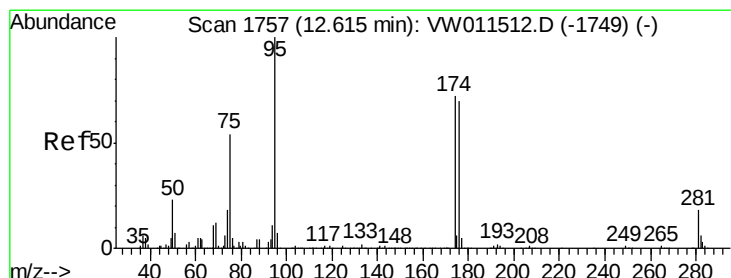
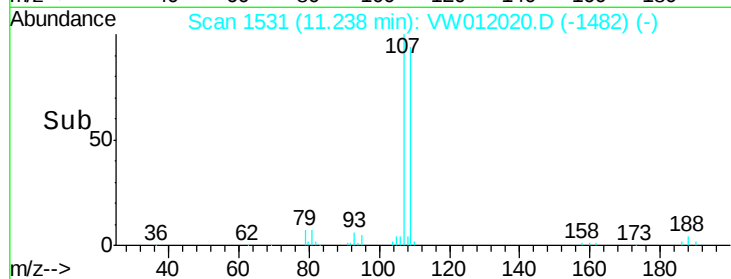
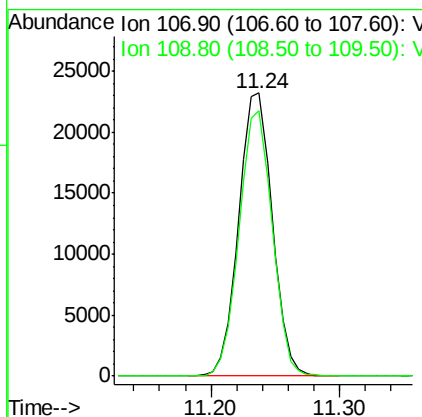
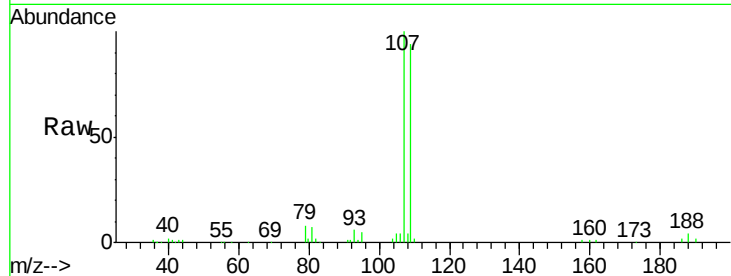
#61
 1,2-Dibromoethane
 Concen: 19.893 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Instrument :
 MSVOA_W
 ClientSampled :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.0	112.6

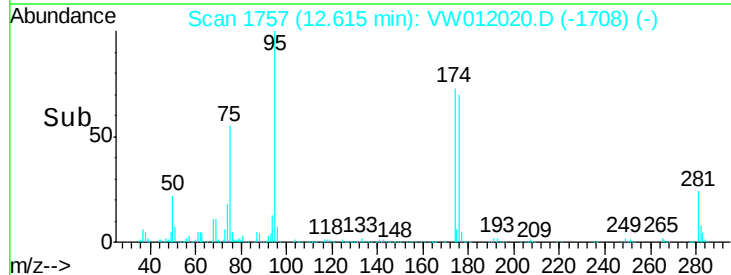
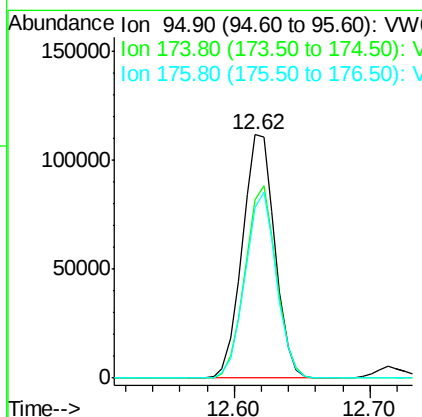
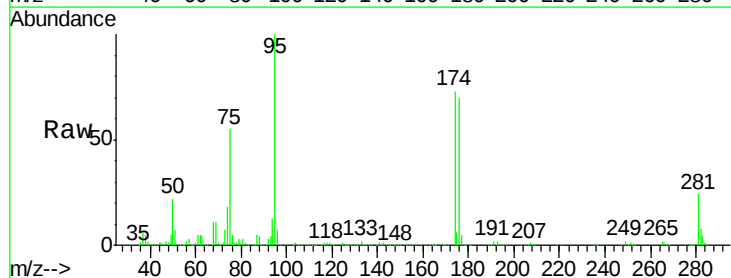
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#62
 4-Bromofluorobenzene
 Concen: 51.576 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	150.2
176	73.5	0.0	144.4





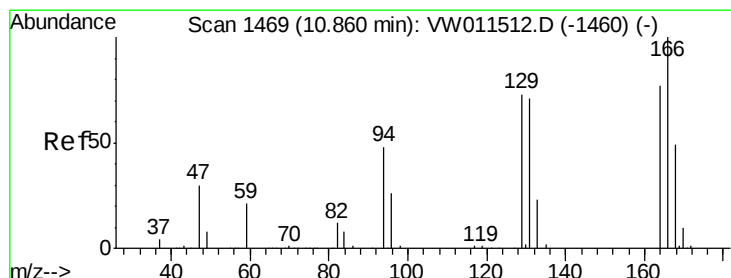
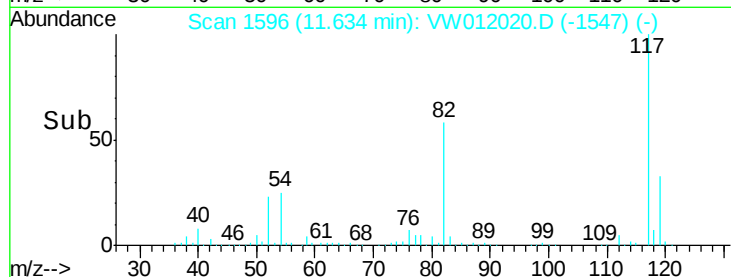
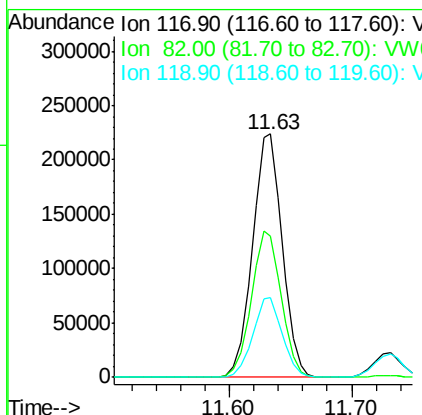
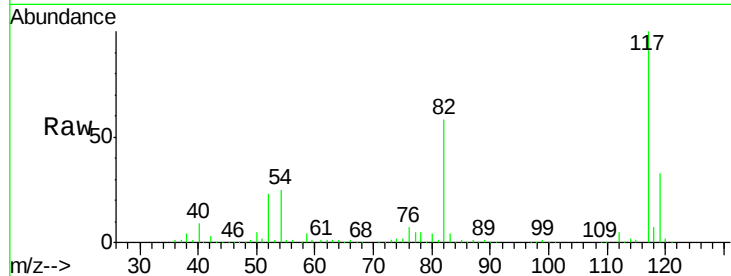
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.9	71.9
119	32.8	26.2	39.2

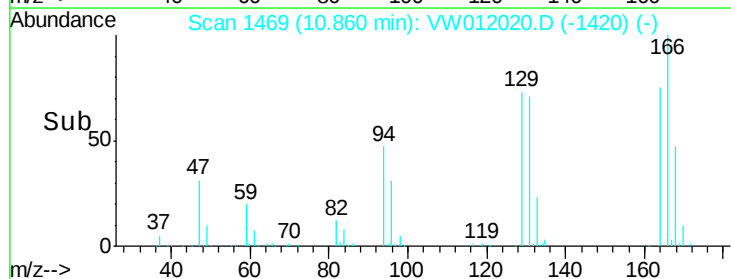
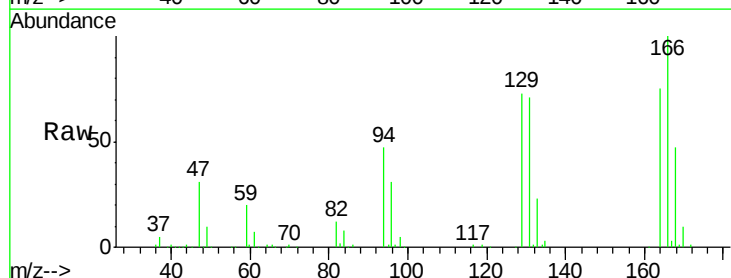
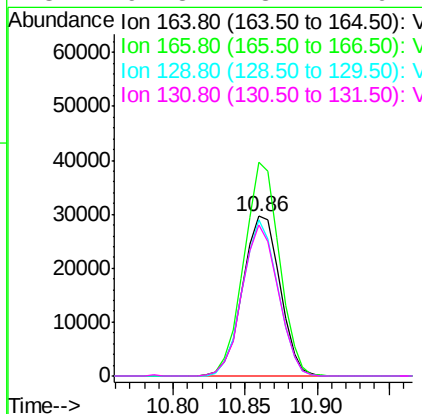
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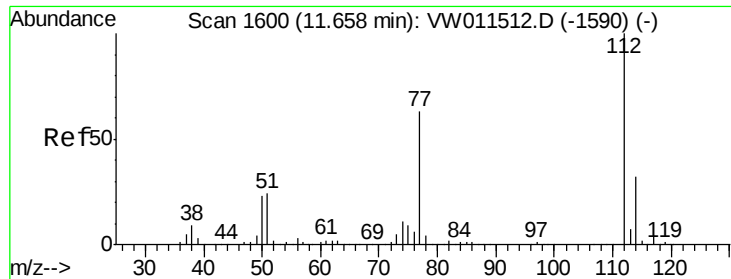
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#64
Tetrachloroethene
Concen: 21.557 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.8	103.5	155.3
129	98.1	75.2	112.8
131	94.8	73.4	110.2





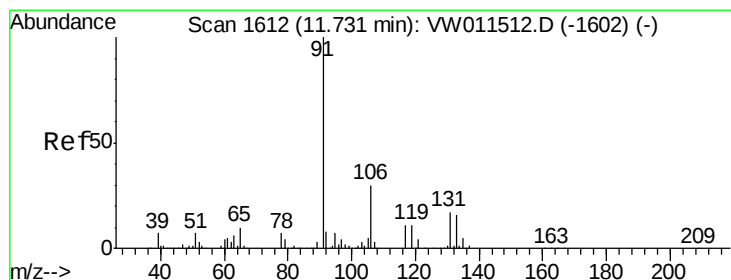
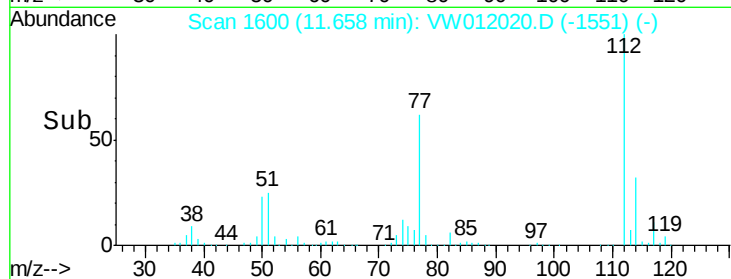
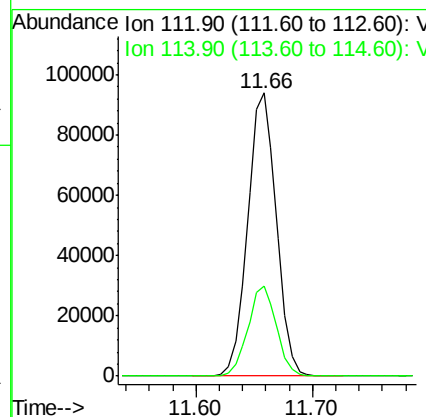
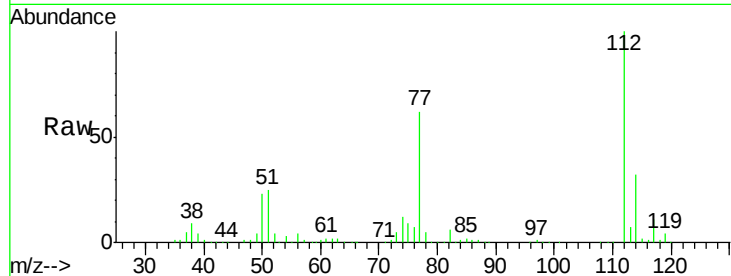
#65
Chlorobenzene
Concen: 21.072 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion:112 Resp: 160639
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

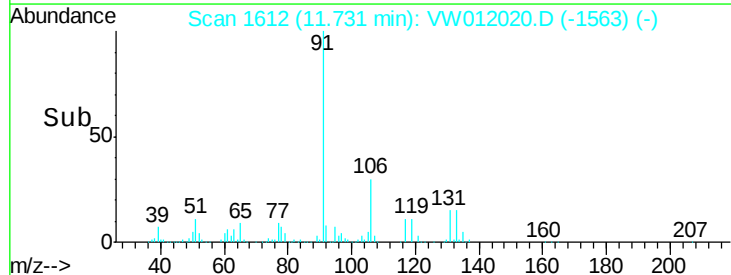
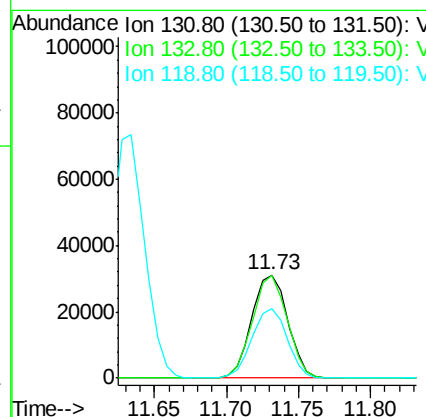
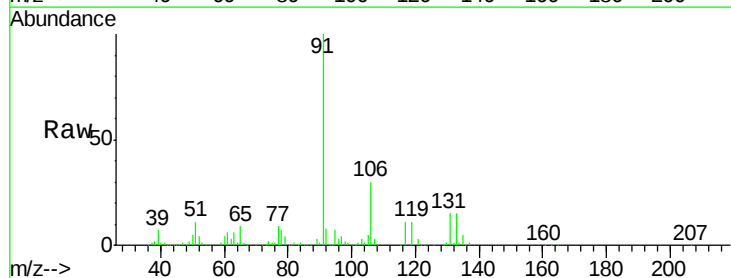
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.321 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion:131 Resp: 53960
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.2
119 66.1 32.3 96.9





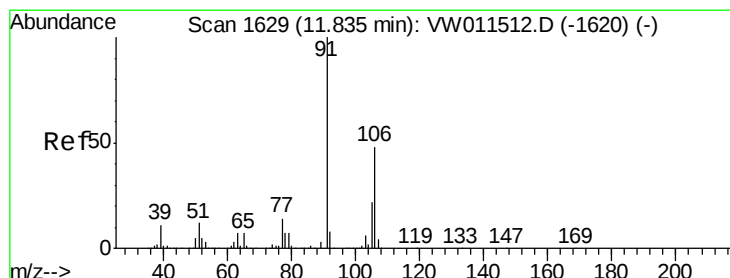
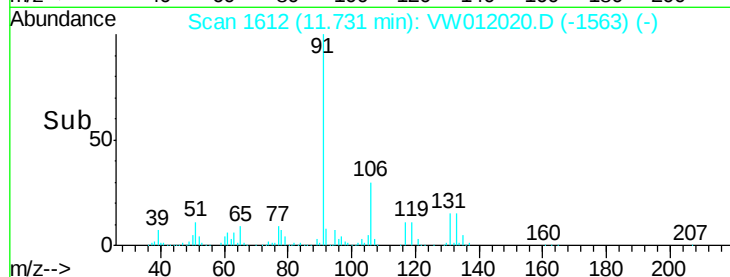
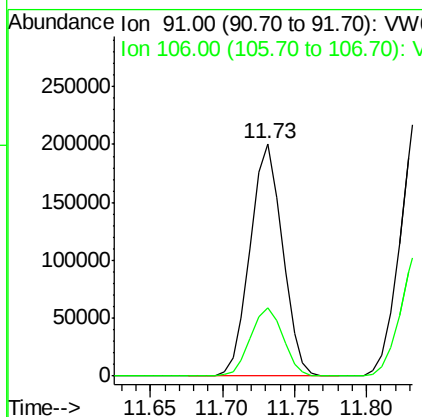
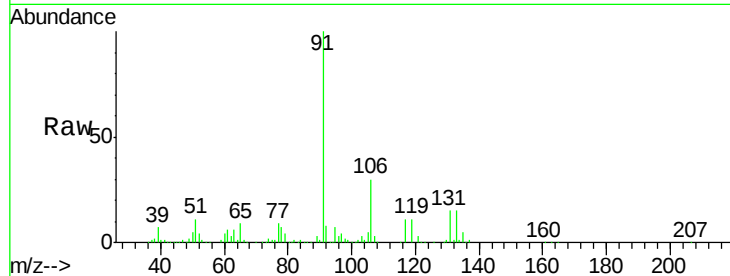
#67
Ethyl Benzene
Concen: 21.482 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion: 91 Resp: 311904
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

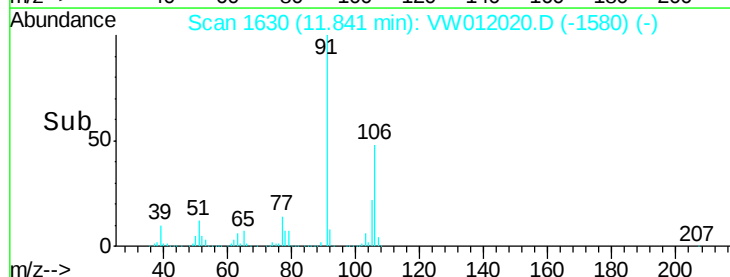
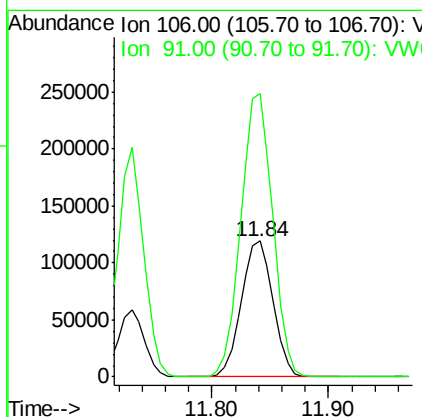
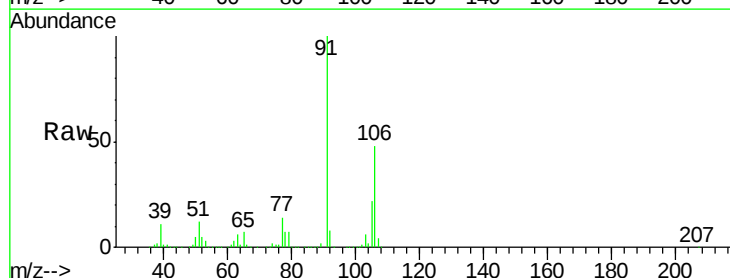
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#68
m/p-Xylenes
Concen: 42.911 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion: 106 Resp: 226579
Ion Ratio Lower Upper
106 100
91 209.0 168.2 252.2





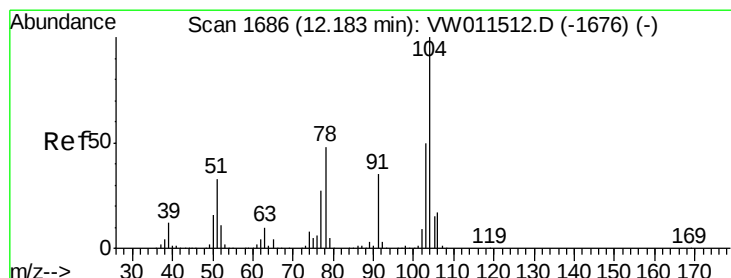
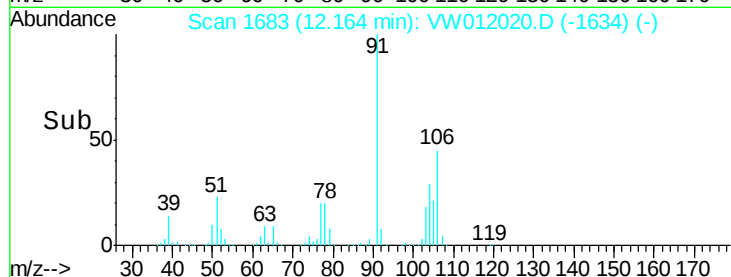
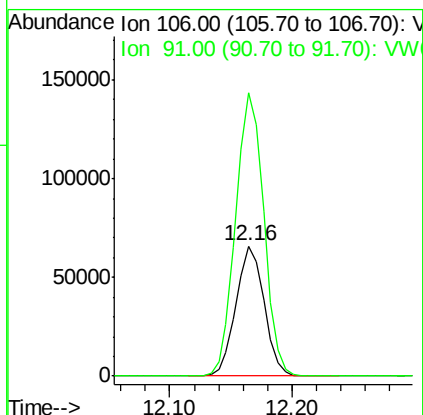
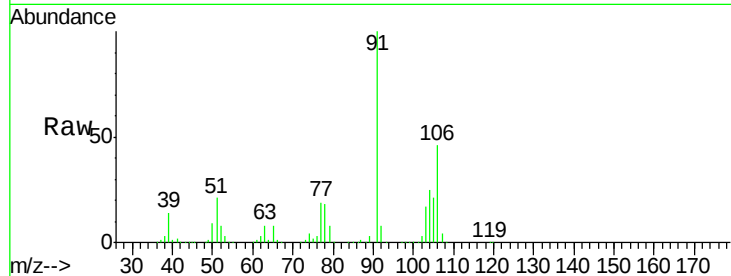
#69
o-Xylene
Concen: 21.321 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	104616		
91	91	218.5	110.5	331.5	

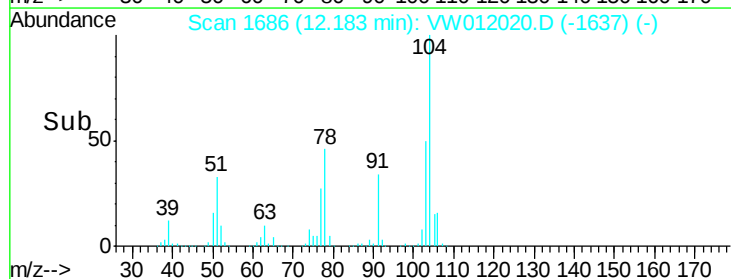
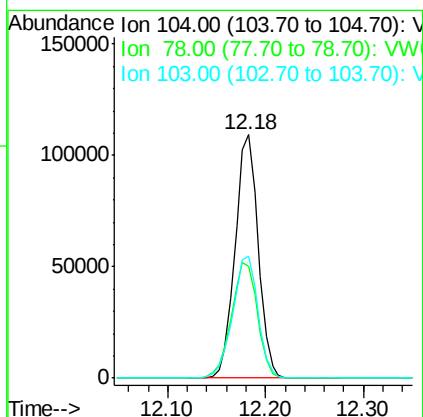
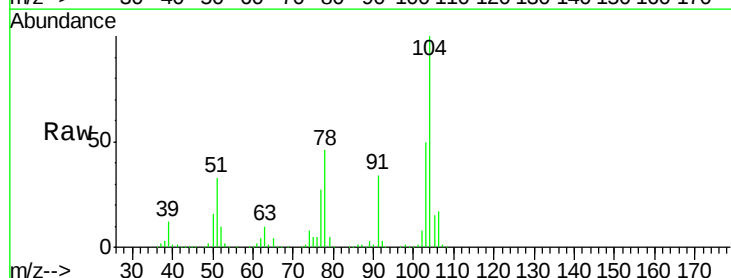
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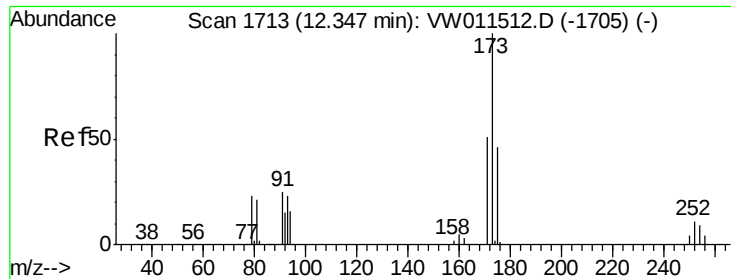
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#70
Styrene
Concen: 21.122 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	179191		
78	78	53.5	43.4	65.0	
103	103	54.8	43.9	65.9	





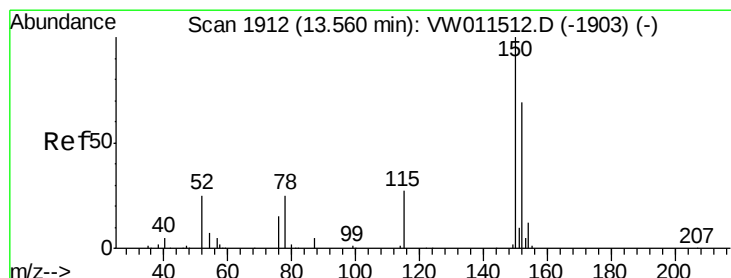
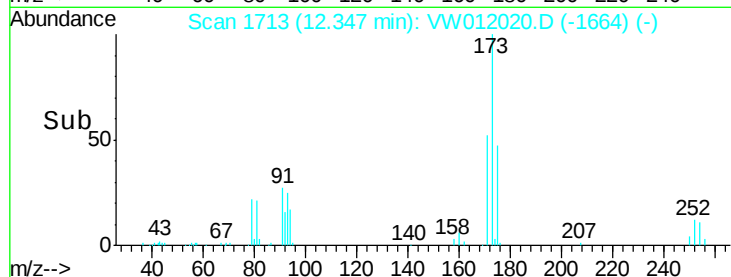
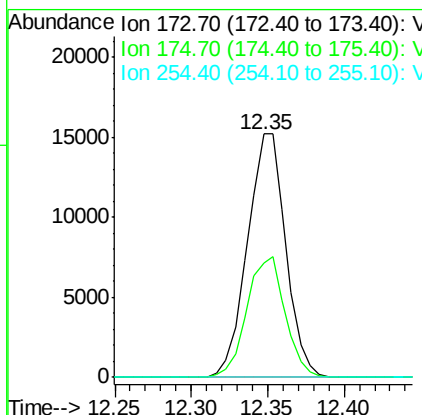
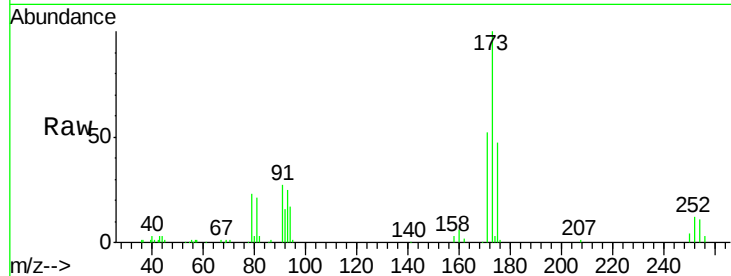
#71
Bromoform
Concen: 19.575 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.6	71.0
254	0.0	0.1	0.1#

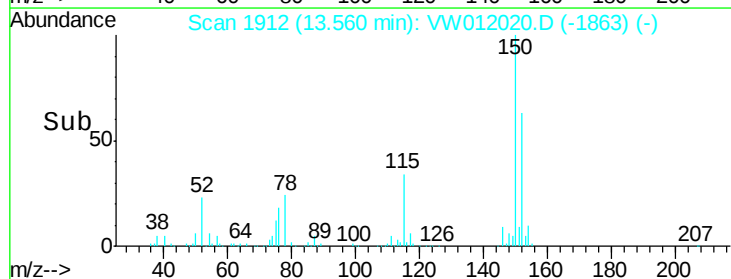
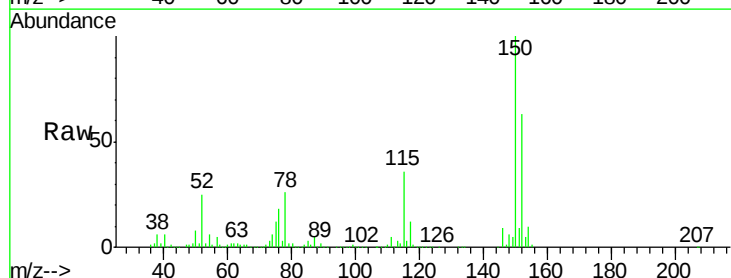
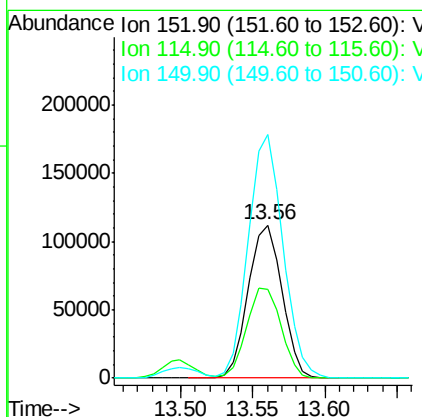
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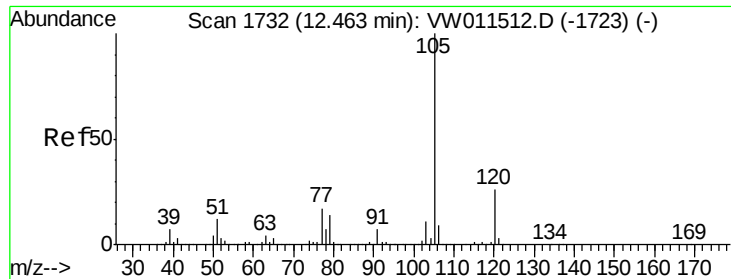
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.5	91.5
150	163.7	0.0	352.6





#73

Isopropylbenzene

Concen: 21.831 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion:105 Resp: 296274

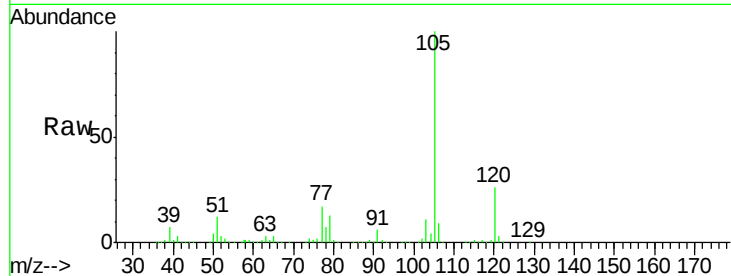
Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7

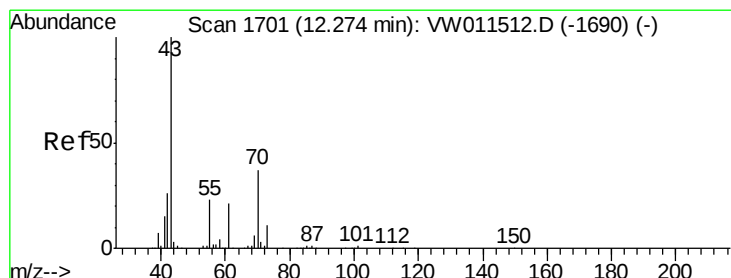
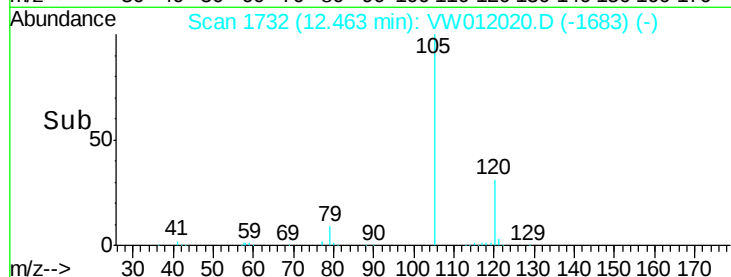
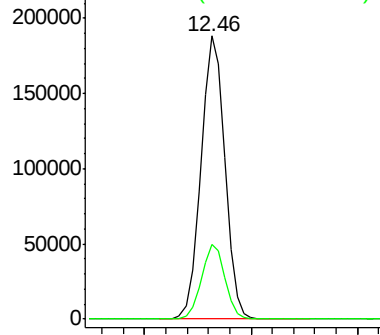
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.037 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion: 43 Resp: 85136

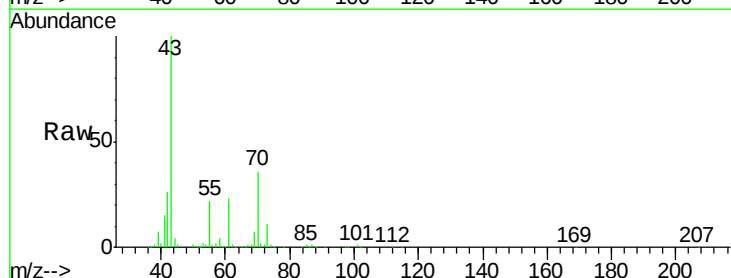
Ion Ratio Lower Upper

43 100

70 37.1 28.6 43.0

55 23.5 17.8 26.8

61 22.4 17.0 25.6

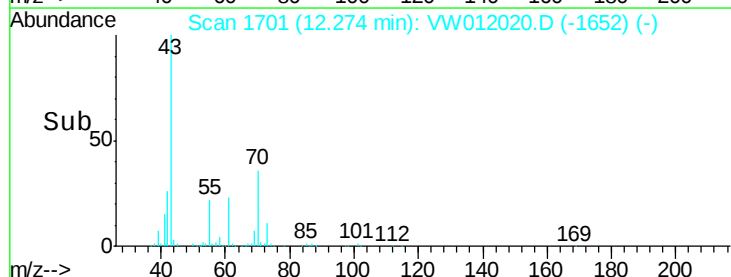
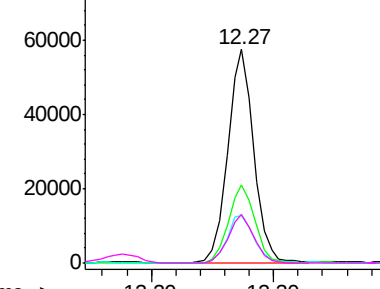


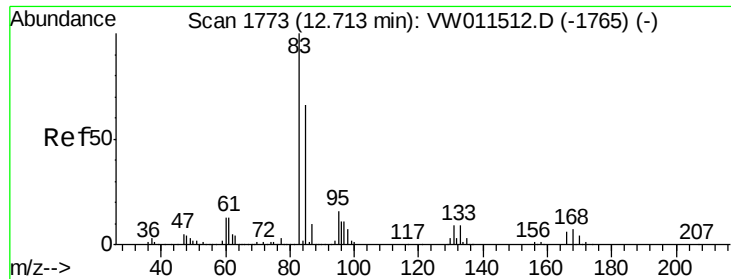
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.776 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

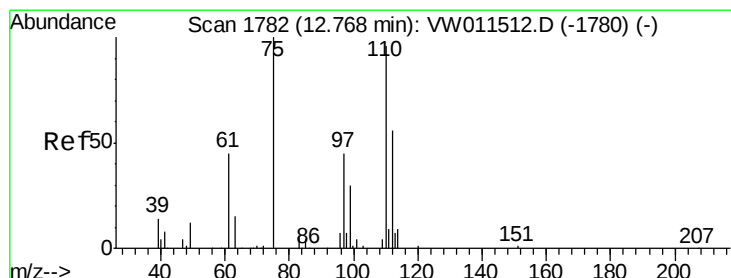
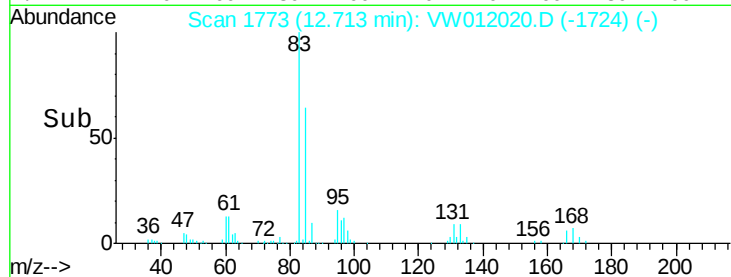
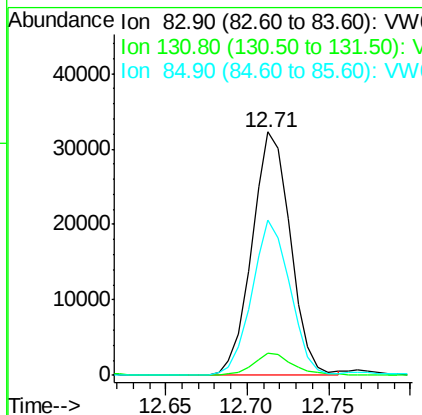
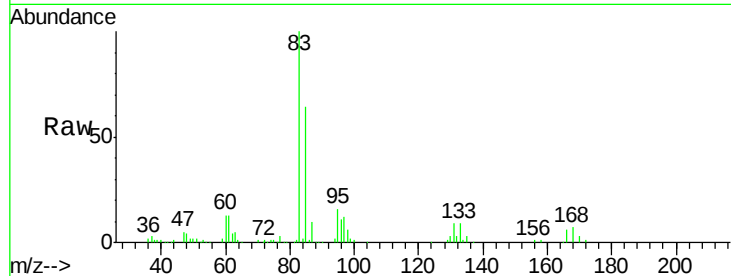
ClientSampleId :

VW0820SBS01

Tot Ion:	83	Resp:	53036
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	63.4	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 19.249 ug/l m

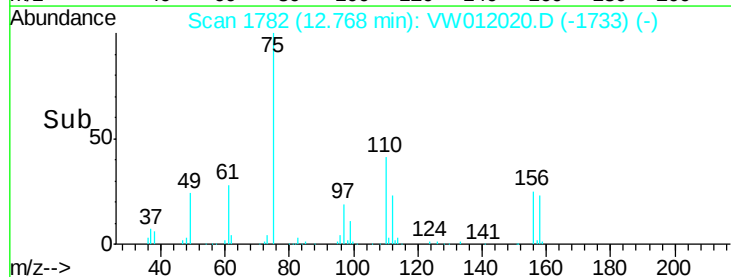
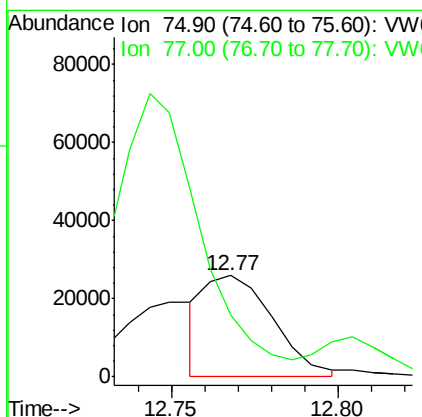
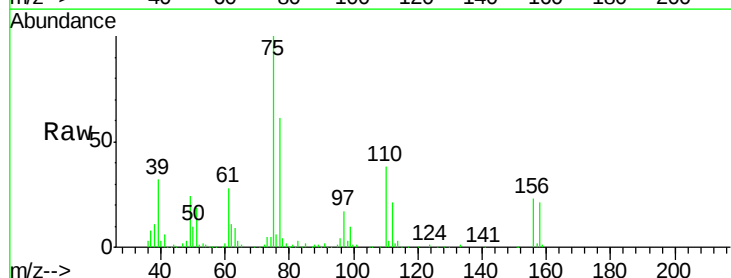
RT: 12.77 min Scan# 1782

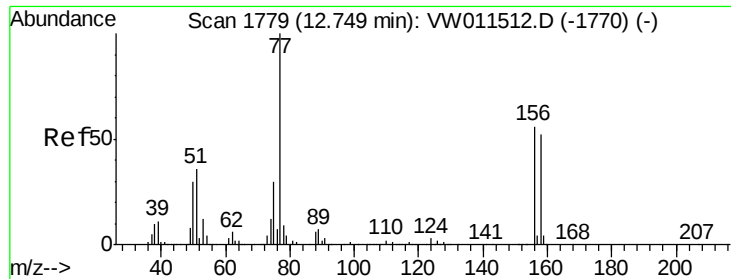
Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion:	75	Resp:	37051
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.907 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

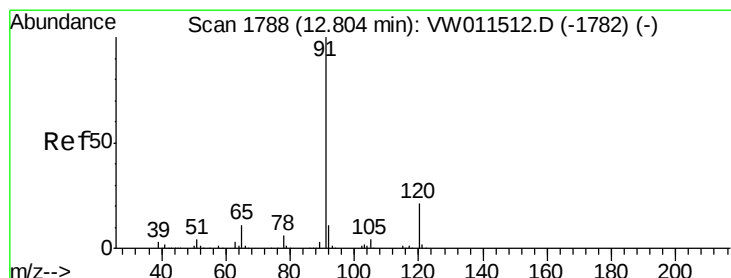
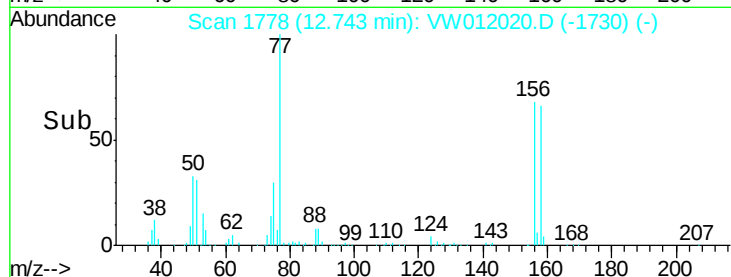
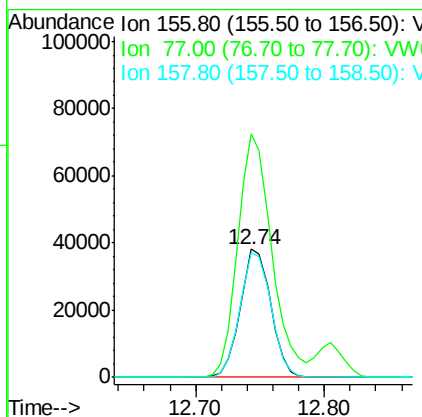
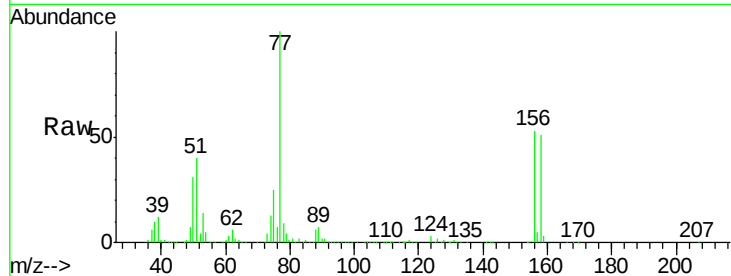
ClientSampleId :

VW0820SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	211.5	106.5	319.4
158	98.6	48.0	144.2

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#78

n-propylbenzene

Concen: 21.929 ug/l

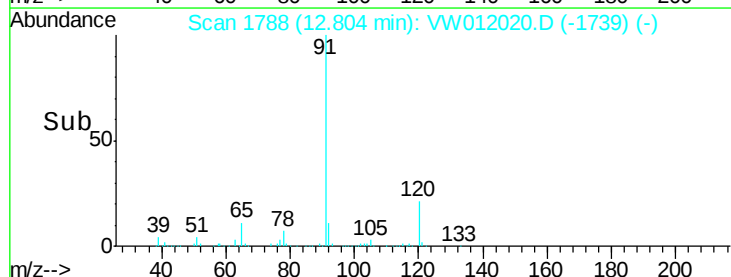
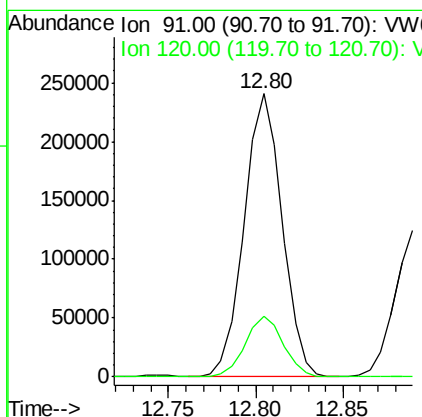
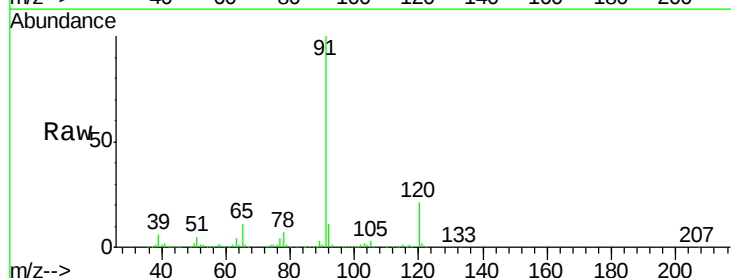
RT: 12.80 min Scan# 1788

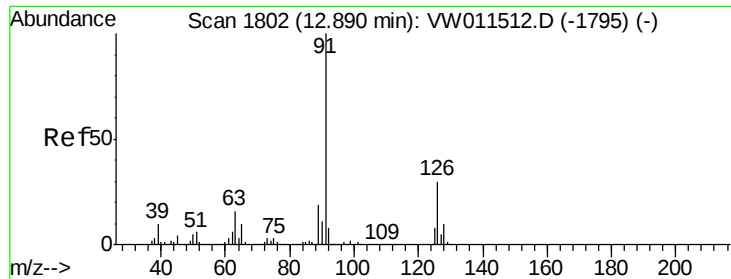
Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.7





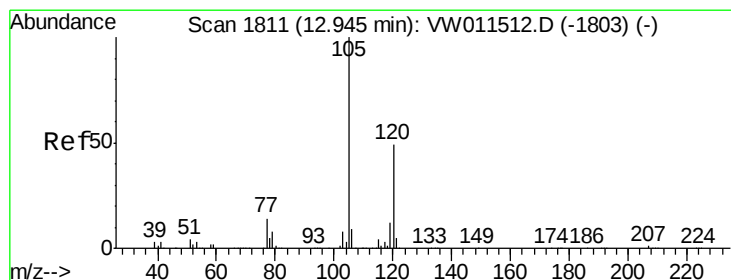
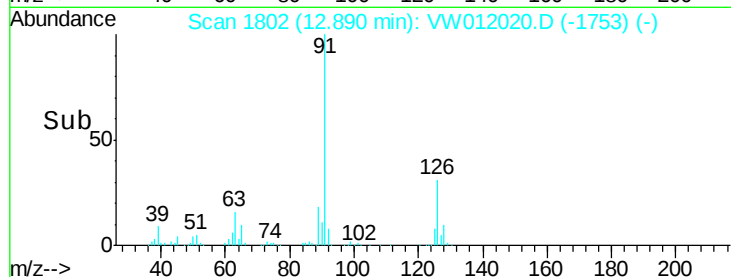
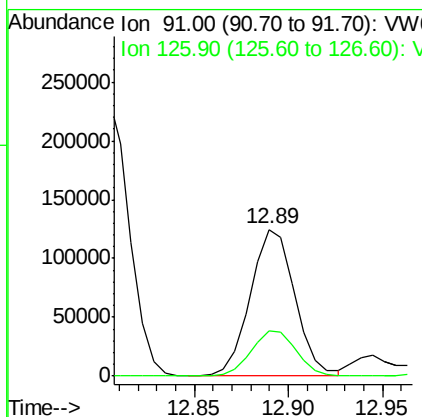
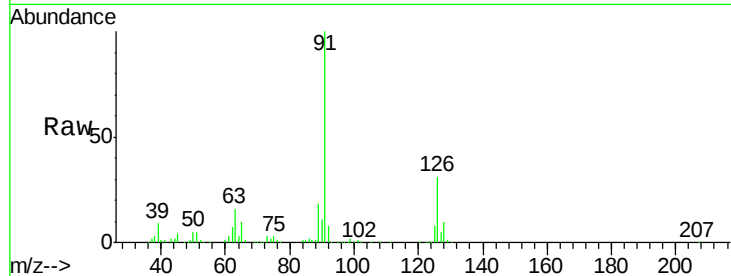
#79
 2-Chlorotoluene
 Concen: 21.513 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion: 91 Resp: 204699
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1

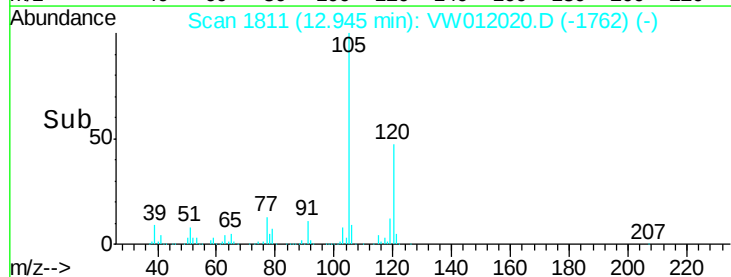
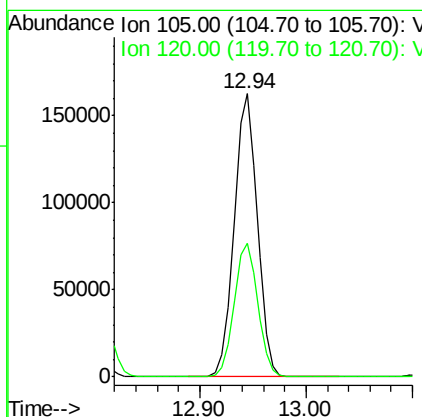
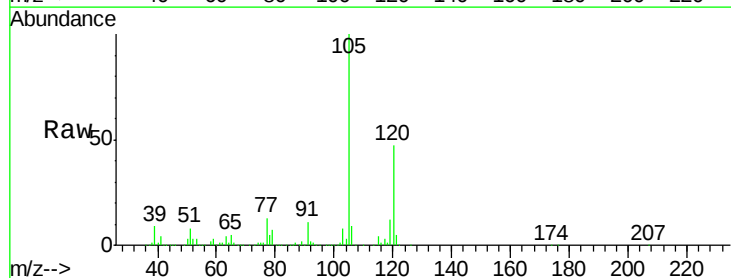
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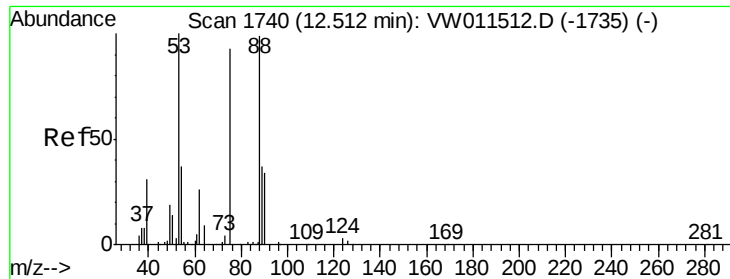
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.813 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Tgt Ion: 105 Resp: 248148
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.3





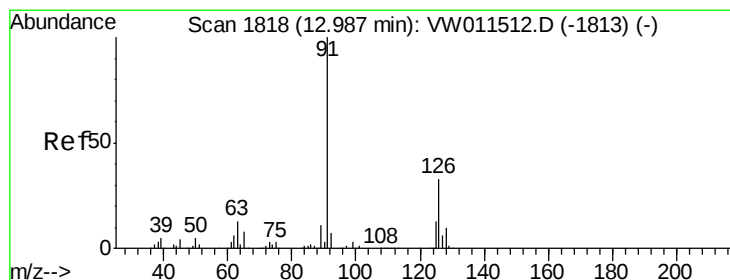
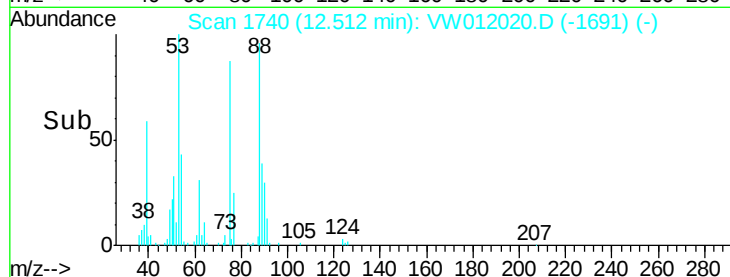
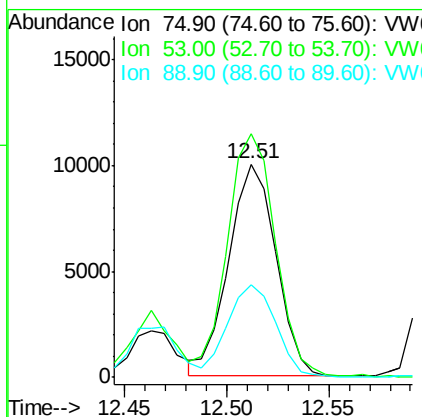
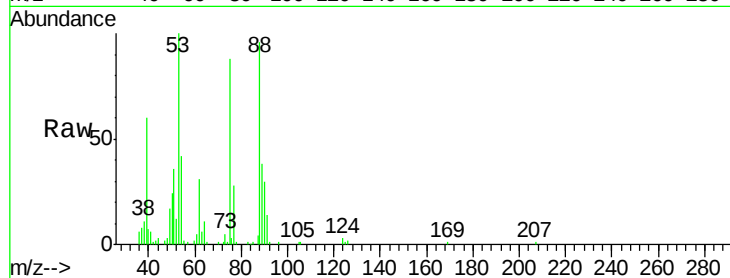
#81
trans-1,4-Dichloro-2-butene
Concen: 19.175 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.2	88.0	132.0
89	44.7	35.3	52.9

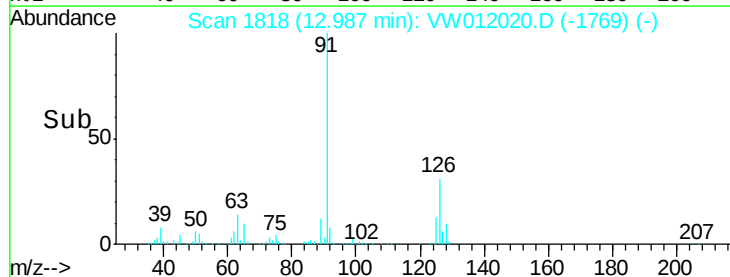
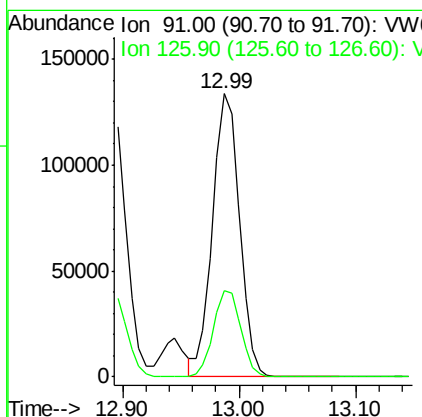
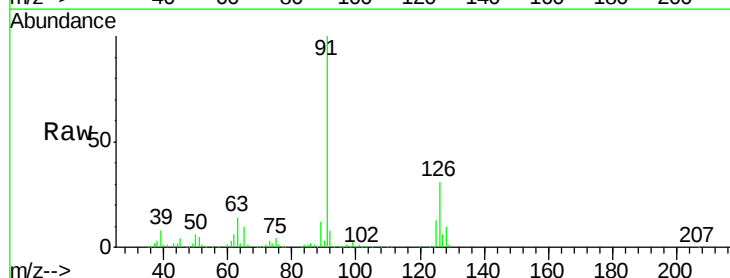
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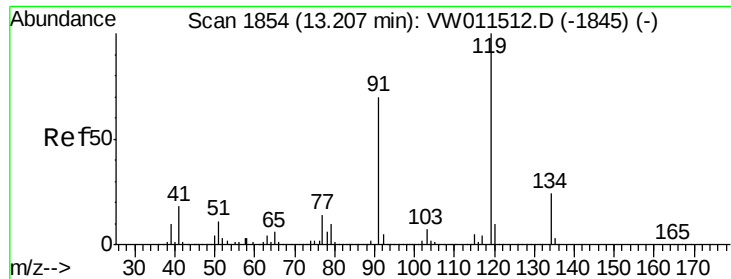
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.352 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





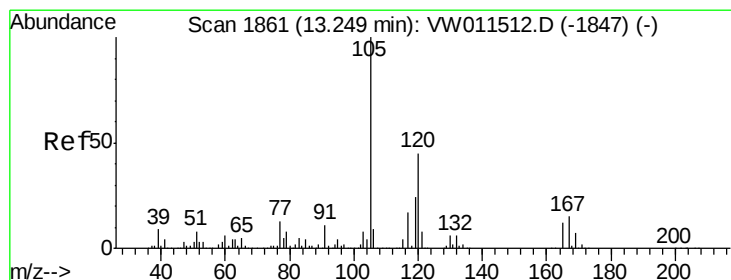
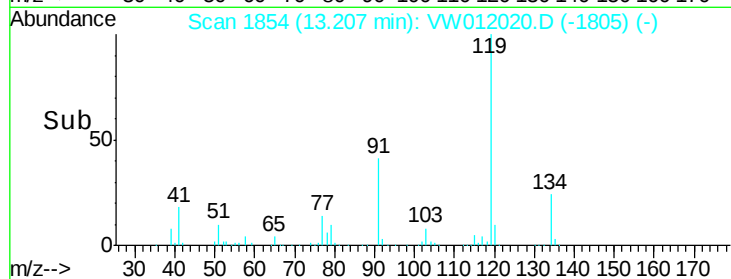
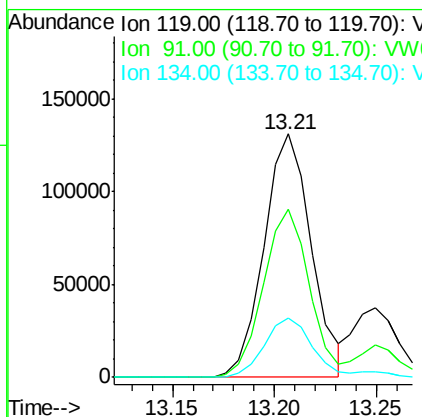
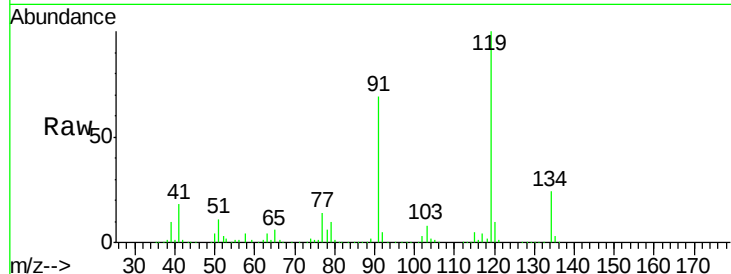
#83
tert-Butylbenzene
Concen: 22.319 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	212322		
91	67.0	34.5	103.6	
134	24.6	12.4	37.4	

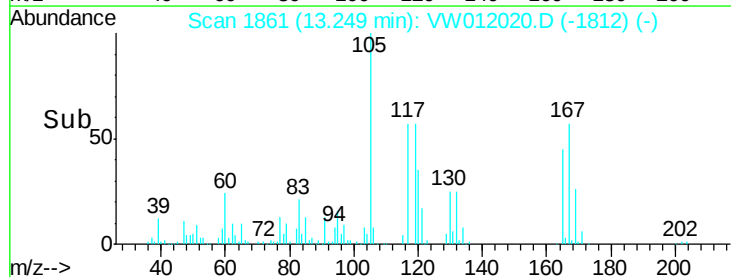
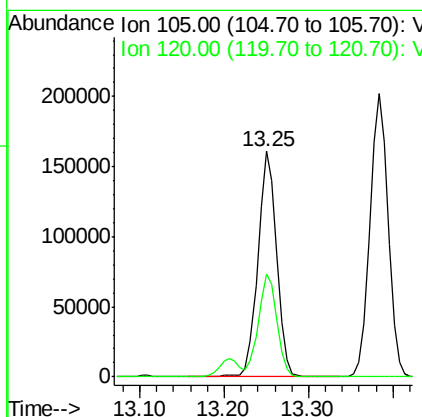
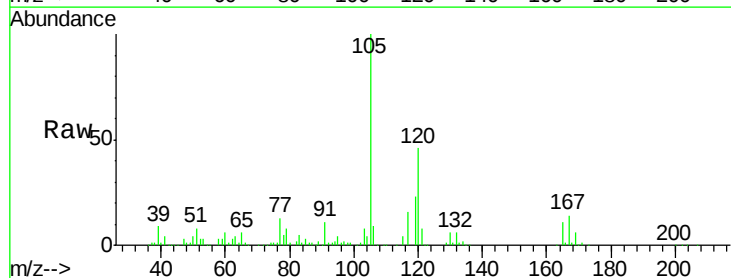
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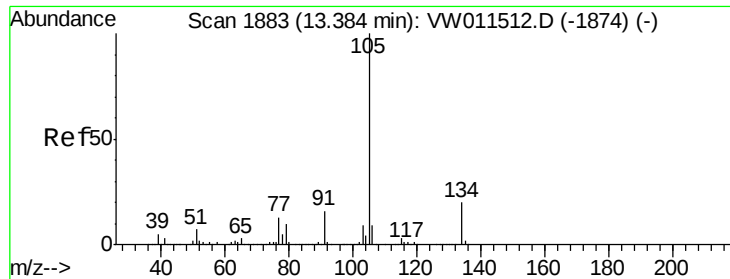
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#84
1,2,4-Trimethylbenzene
Concen: 21.326 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	244394		
120	44.8	22.1	66.5	





#85

sec-Butylbenzene

Concen: 22.365 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion:105 Resp: 303586

Ion Ratio Lower Upper

105 100

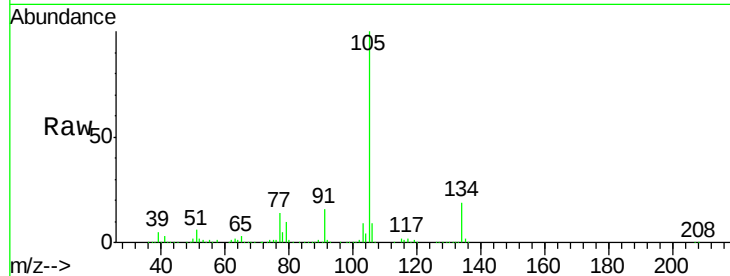
134 19.1 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

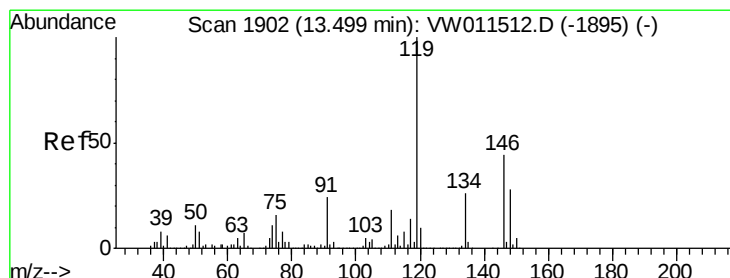
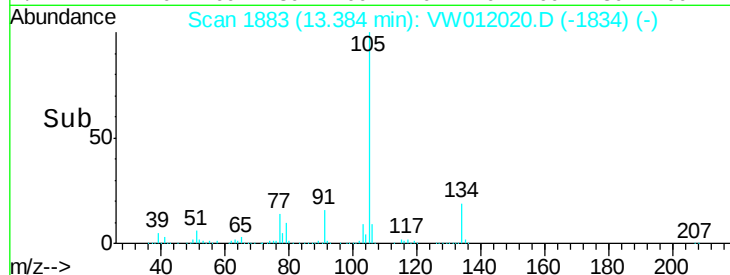
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.827 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

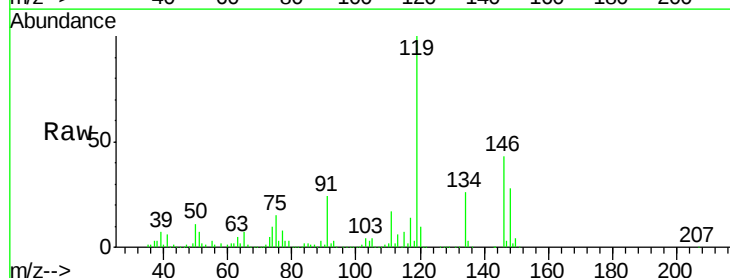
Tgt Ion:119 Resp: 268820

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.5 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

200000

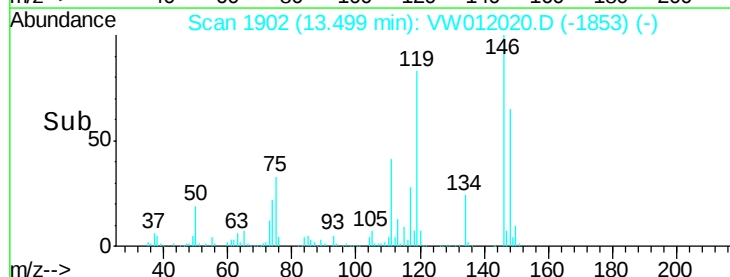
150000

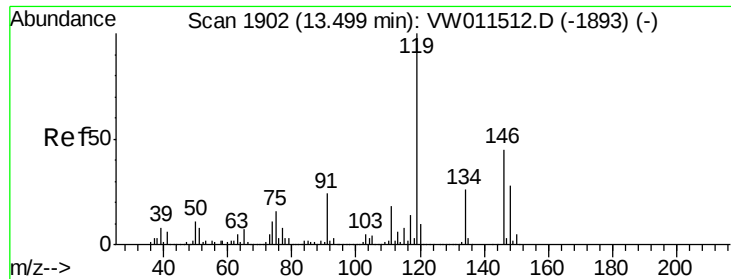
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.169 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

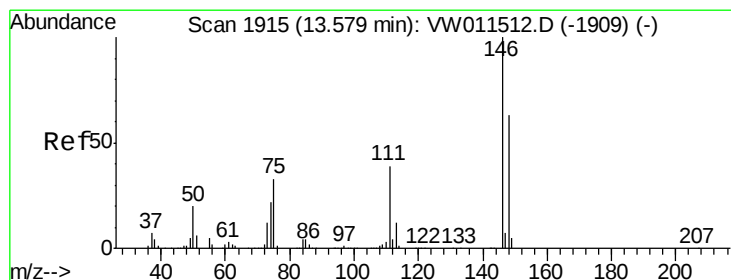
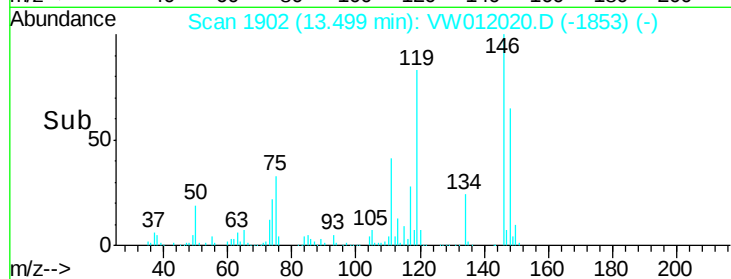
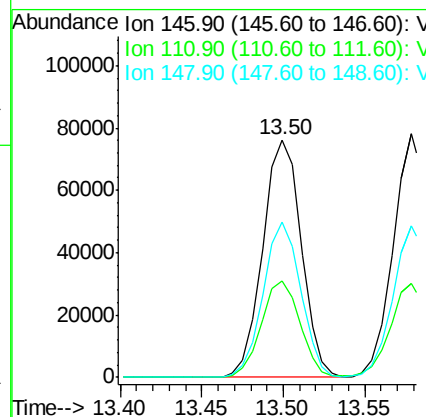
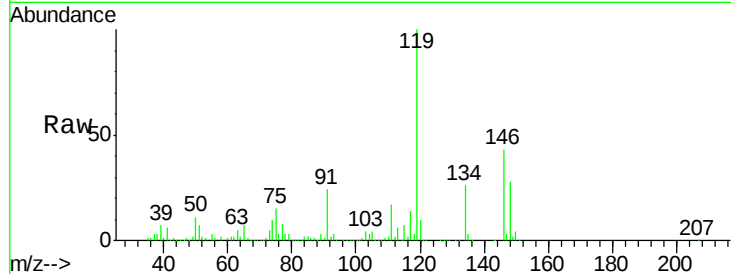
Instrument :
MSVOA_W

ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124509		
111	41.1	20.5	61.6	
148	63.9	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 20.915 ug/l

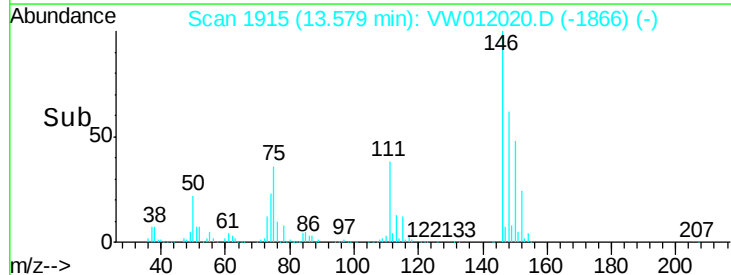
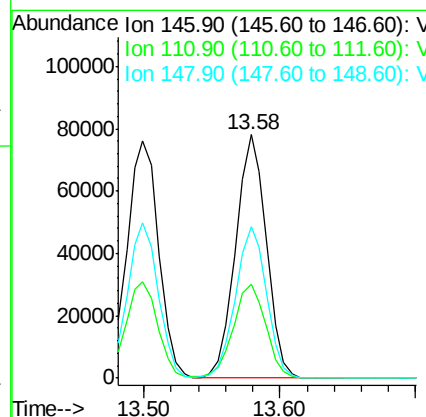
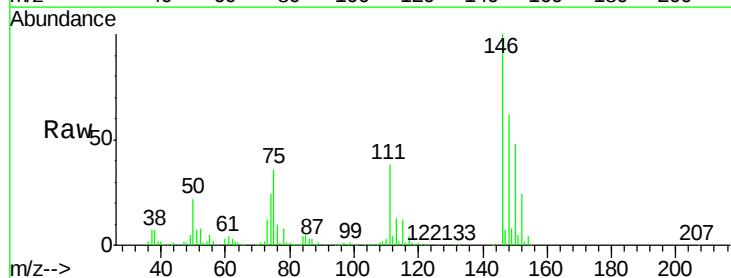
RT: 13.58 min Scan# 1915

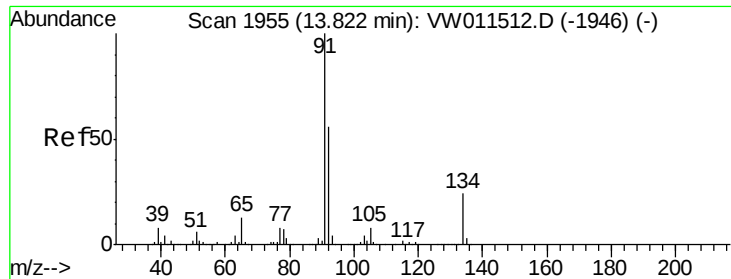
Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	122374		
111	40.8	20.1	60.2	
148	63.3	31.9	95.9	





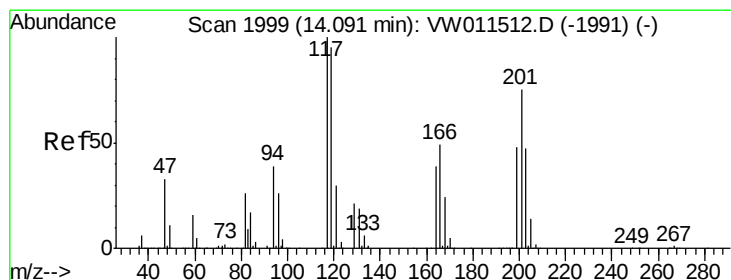
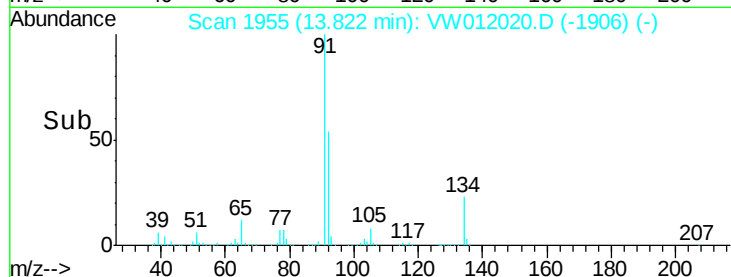
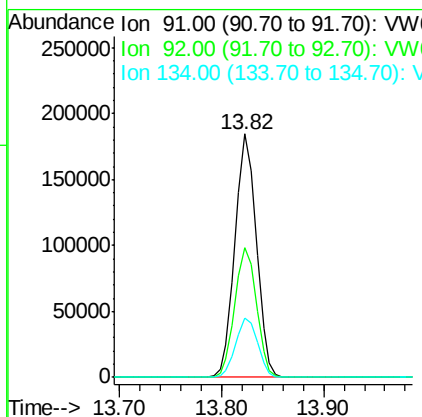
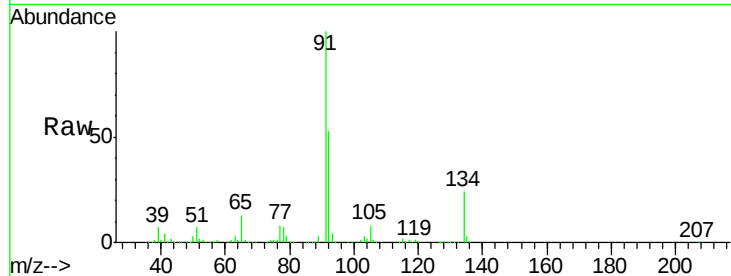
#89
n-Butylbenzene
Concen: 21.755 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	267386		
92	54.1		27.5	82.4
134	25.0		12.2	36.6

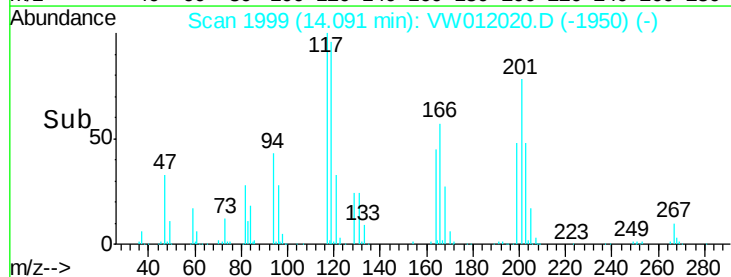
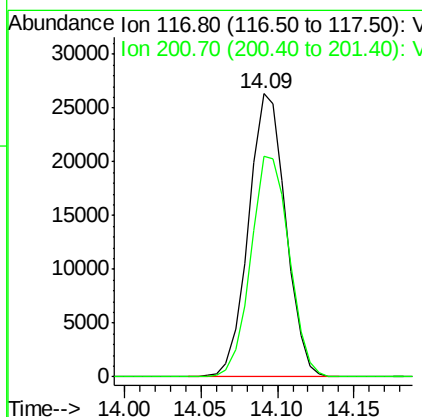
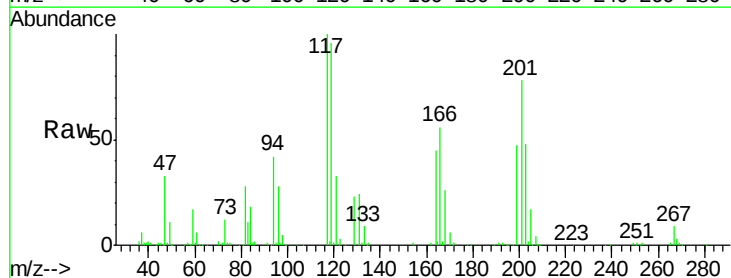
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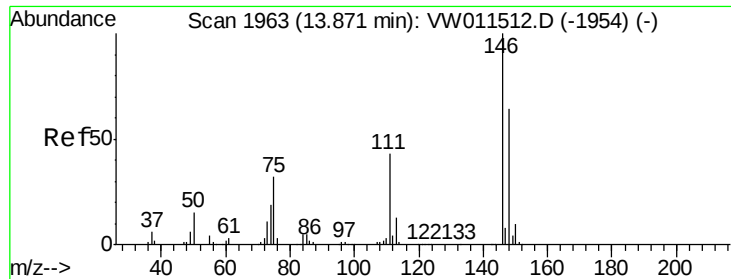
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#90
Hexachloroethane
Concen: 20.420 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012020.D
Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44472		
201	80.4		39.4	118.2





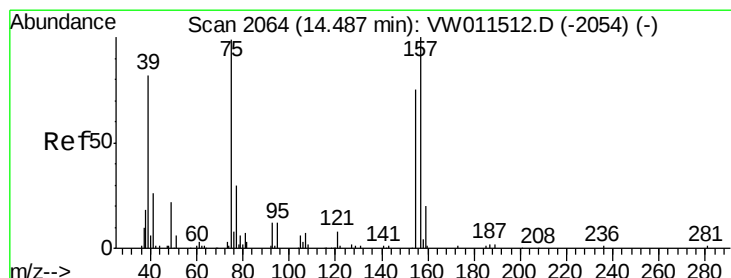
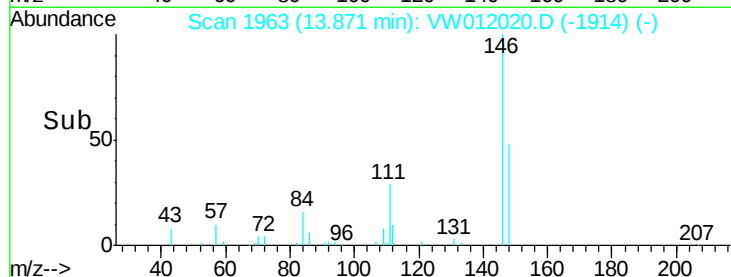
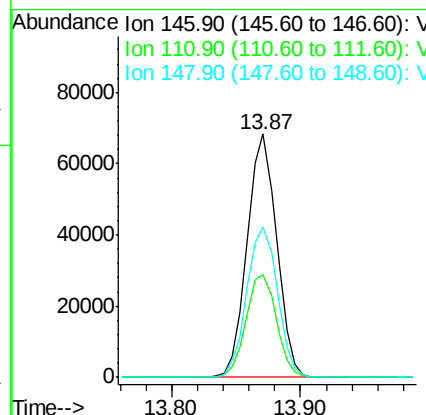
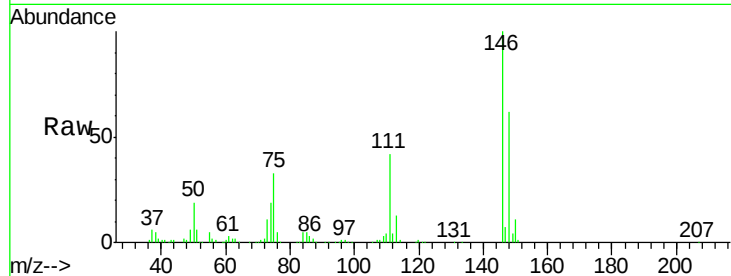
#91
 1,2-Dichlorobenzene
 Concen: 20.788 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	108141		
111	43.4	21.6	65.0	
148	64.5	32.0	96.2	

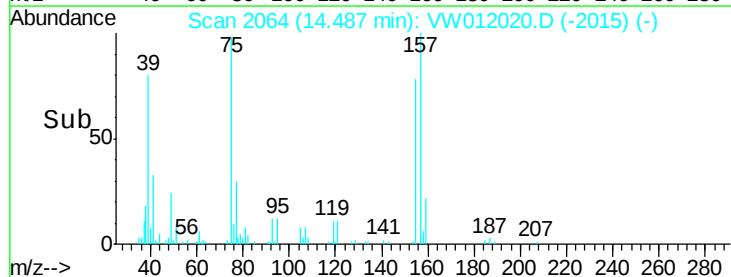
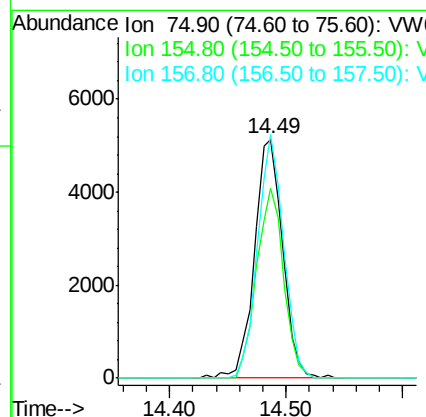
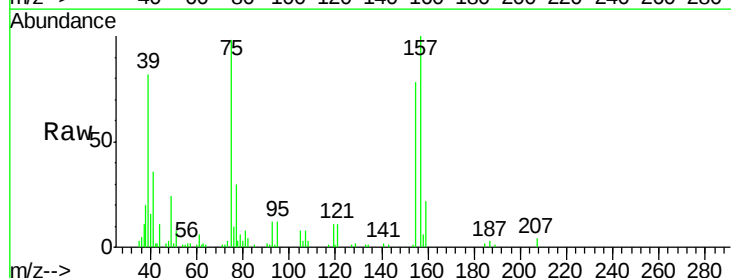
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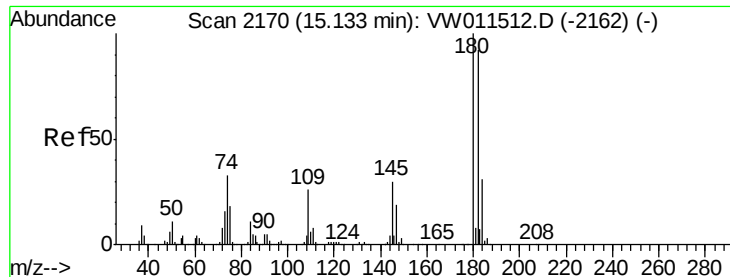
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.979 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8697		
155	75.9	38.2	114.6	
157	94.2	48.9	146.7	





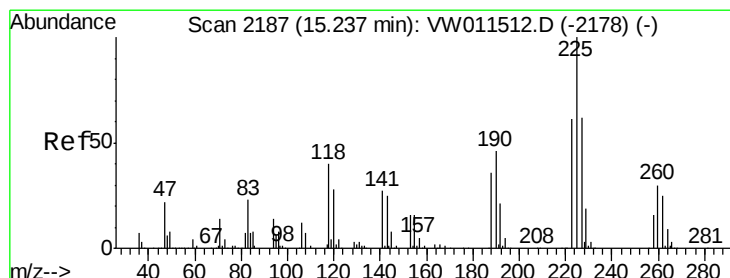
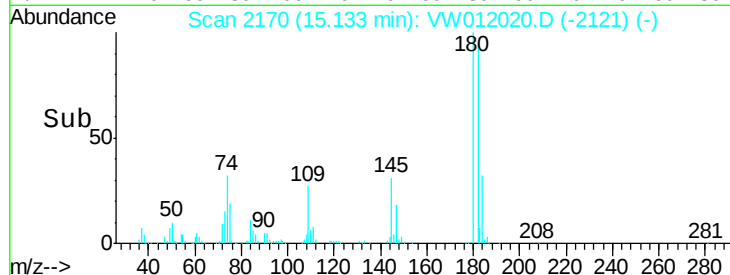
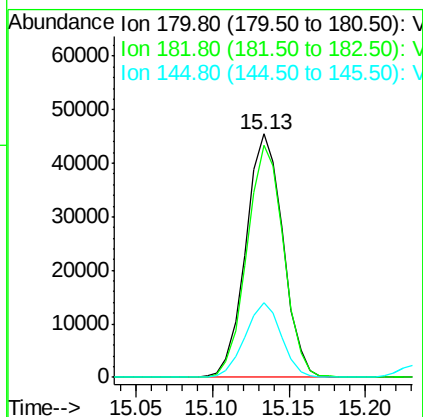
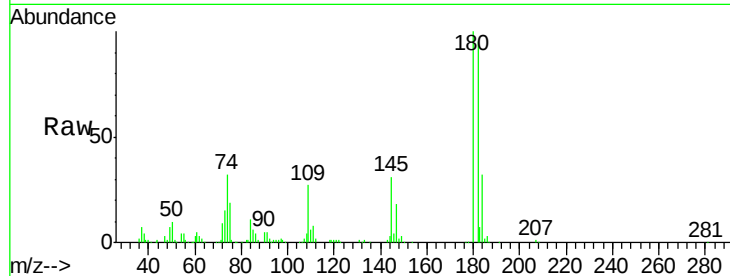
#93
 1,2,4-Trichlorobenzene
 Concen: 20.891 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	76592		
182	94.4	47.4	142.2	
145	30.1	15.4	46.1	

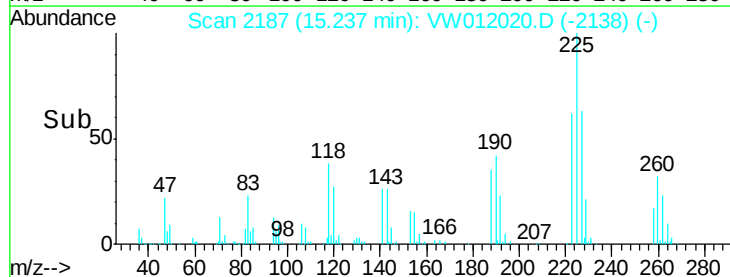
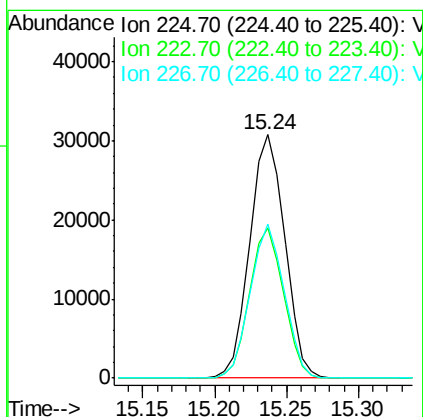
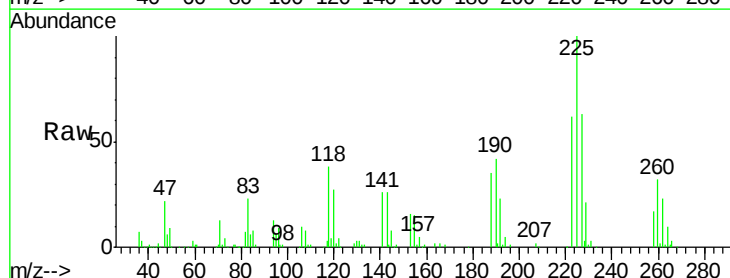
Manual Integrations
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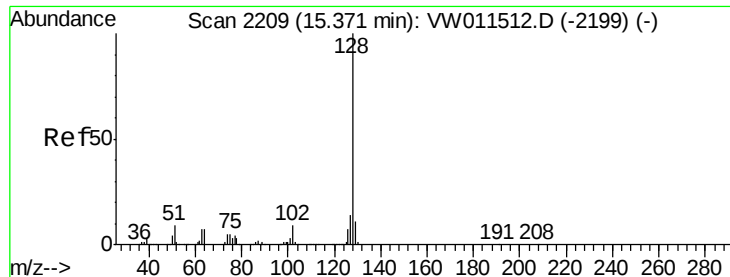
MMDadoda
 8/21/2019 8:28:47 AM



#94
 Hexachlorobutadiene
 Concen: 22.558 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012020.D
 Acq: 20 Aug 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51575		
223	60.1	30.8	92.3	
227	61.4	31.6	94.7	





#95

Naphthalene

Concen: 19.878 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Instrument :

MSVOA_W

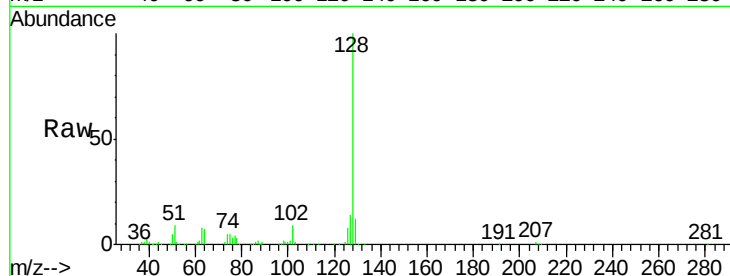
ClientSampleId :

VW0820SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		133432		
127	13.8		10.6	16.0	
129	11.1		8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:28:47 AM

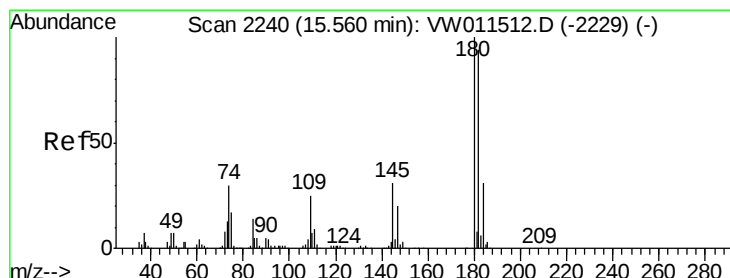
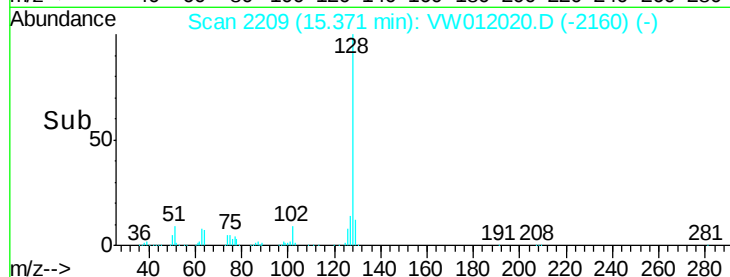
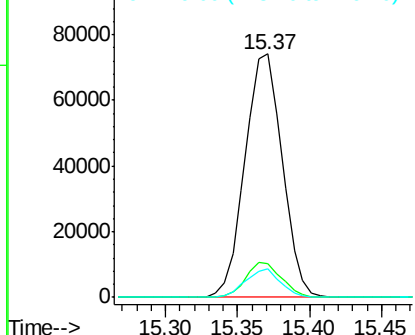


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 21.005 ug/l

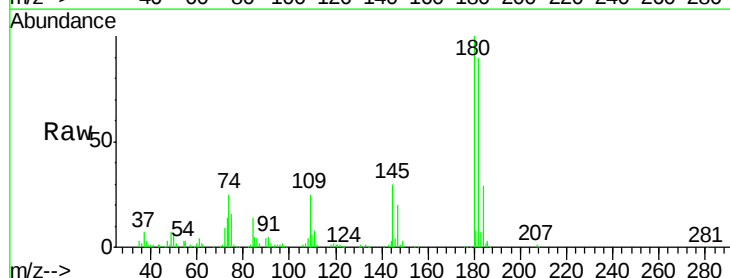
RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW012020.D

Acq: 20 Aug 2019 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		67505		
182	94.0		47.4	142.2	
145	31.8		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

