

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014500.D
 Acq On : 03 Jan 2020 15:40
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:43:25 AM

Quant Time: Jan 03 16:06:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 15:49:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	894294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1340599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1172351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	561860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	1056594	150.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.66%	
35) Dibromofluoromethane	7.88	113	1061428	143.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.18%	
50) Toluene-d8	10.32	98	4410643	145.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.52%	
62) 4-Bromofluorobenzene	12.61	95	1514585	146.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	688827	139.509	ug/l	100
3) Chloromethane	2.21	50	820358	152.936	ug/l	98
4) Vinyl Chloride	2.36	62	1205037	148.718	ug/l	100
5) Bromomethane	2.74	94	747254	142.793	ug/l	99
6) Chloroethane	2.91	64	728275	150.837	ug/l	99
7) Trichlorofluoromethane	3.24	101	681418	142.180	ug/l	98
8) Diethyl Ether	3.67	74	632852	154.588	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	1151444	143.134	ug/l	99
10) Methyl Iodide	4.26	142	1780652	139.800	ug/l	99
11) Tert butyl alcohol	5.16	59	413375	853.335	ug/l	100
12) 1,1-Dichloroethene	4.04	96	1245991	149.635	ug/l	99
13) Acrolein	3.88	56	447112	834.169	ug/l	98
14) Allyl chloride	4.66	41	1909675	149.115	ug/l	99
15) Acrylonitrile	5.35	53	1413394	797.771	ug/l	99
16) Acetone	4.11	43	1511295	911.669	ug/l	98
17) Carbon Disulfide	4.38	76	3713820	153.207	ug/l	98
18) Methyl Acetate	4.66	43	712309	159.288	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	1470899	144.643	ug/l	100
20) Methylene Chloride	4.91	84	1228344	131.851	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	1301948	146.303	ug/l	99
22) Diisopropyl ether	6.31	45	3462598	147.792	ug/l	99
23) Vinyl Acetate	6.24	43	10709398	766.691	ug/l	100
24) 1,1-Dichloroethane	6.21	63	2215465	149.452	ug/l	99
25) 2-Butanone	7.16	43	1922744	821.146	ug/l	99
26) 2,2-Dichloropropane	7.16	77	1114371	131.975	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	1389045	147.442	ug/l	99
28) Bromochloromethane	7.51	49	876757	172.893	ug/l	97
29) Tetrahydrofuran	7.52	42	1152531	793.355	ug/l	98
30) Chloroform	7.67	83	2069939	143.232	ug/l	100
31) Cyclohexane	7.95	56	2181880	140.802	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	1659863	145.477	ug/l	100
36) 1,1-Dichloropropene	8.08	75	1767368	140.084	ug/l	99
37) Ethyl Acetate	7.24	43	787636	149.630	ug/l	99
38) Carbon Tetrachloride	8.06	117	1564865	139.344	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	2363535	145.505	ug/l	100
40) Benzene	8.32	78	4991137	140.083	ug/l	100
41) Methacrylonitrile	7.48	41	453074	141.979	ug/l	98
42) 1,2-Dichloroethane	8.40	62	1286024	141.714	ug/l	100
43) Isopropyl Acetate	8.42	43	1491506	152.205	ug/l	100
44) Trichloroethene	9.09	130	1386031	138.434	ug/l	97
45) 1,2-Dichloropropane	9.37	63	1235258	144.333	ug/l	99
46) Dibromomethane	9.46	93	607333	143.949	ug/l	99
47) Bromodichloromethane	9.64	83	1561314	146.135	ug/l	99
48) Methyl methacrylate	9.43	41	740576	153.997	ug/l	98
49) 1,4-Dioxane	9.44	88	217959	3086.999	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	3737117	751.961	ug/l	99
52) Toluene	10.38	92	3211684	140.715	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	1660390	151.815	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	2007369	149.634	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	893062	142.681	ug/l	99
56) Ethyl methacrylate	10.64	69	1268138	158.336	ug/l	99
57) 1,3-Dichloropropane	10.93	76	1577684	146.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1912686	586.342	ug/l	99
59) 2-Hexanone	10.96	43	2711254	792.446	ug/l	99
60) Dibromochloromethane	11.13	129	1060465	145.688	ug/l	99
61) 1,2-Dibromoethane	11.23	107	864443	145.703	ug/l	100
64) Tetrachloroethene	10.86	164	1174954	133.957	ug/l	97
65) Chlorobenzene	11.65	112	3324468	138.282	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.72	131	1150274	138.994	ug/l	100
67) Ethyl Benzene	11.73	91	5963315	137.578	ug/l	98
68) m/p-Xylenes	11.83	106	4602291	275.441	ug/l	97
69) o-Xylene	12.16	106	2167960	141.213	ug/l	98
70) Styrene	12.18	104	3704391	141.139	ug/l	100
71) Bromoform	12.35	173	639708	143.549	ug/l #	99
73) Isopropylbenzene	12.46	105	5904973	145.481	ug/l	99
74) N-amyl acetate	12.27	43	1364504	161.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	1013488	148.745	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	635266m	136.399	ug/l	
77) Bromobenzene	12.74	156	1370668	142.499	ug/l	98
78) n-propylbenzene	12.80	91	6824144	144.224	ug/l	99
79) 2-Chlorotoluene	12.89	91	3876698	145.879	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	4871516	142.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	363718	160.022	ug/l	98
82) 4-Chlorotoluene	12.99	91	4019394	144.504	ug/l	99
83) tert-Butylbenzene	13.21	119	4333061	142.967	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	4810066	142.165	ug/l	99
85) sec-Butylbenzene	13.38	105	5920266	142.275	ug/l	99
86) p-Isopropyltoluene	13.49	119	5433157	141.228	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	2599043	139.445	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	2551050	137.397	ug/l	99
89) n-Butylbenzene	13.82	91	5124136	146.028	ug/l	99
90) Hexachloroethane	14.09	117	982820	147.282	ug/l	99
91) 1,2-Dichlorobenzene	13.86	146	2258623	138.831	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	160261	151.779	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 15:49:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	1671504	144.034	ug/l	99
94) Hexachlorobutadiene	15.24	225	1041376	134.155	ug/l	97
95) Naphthalene	15.36	128	2997441	157.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	1432905	142.805	ug/l	99

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

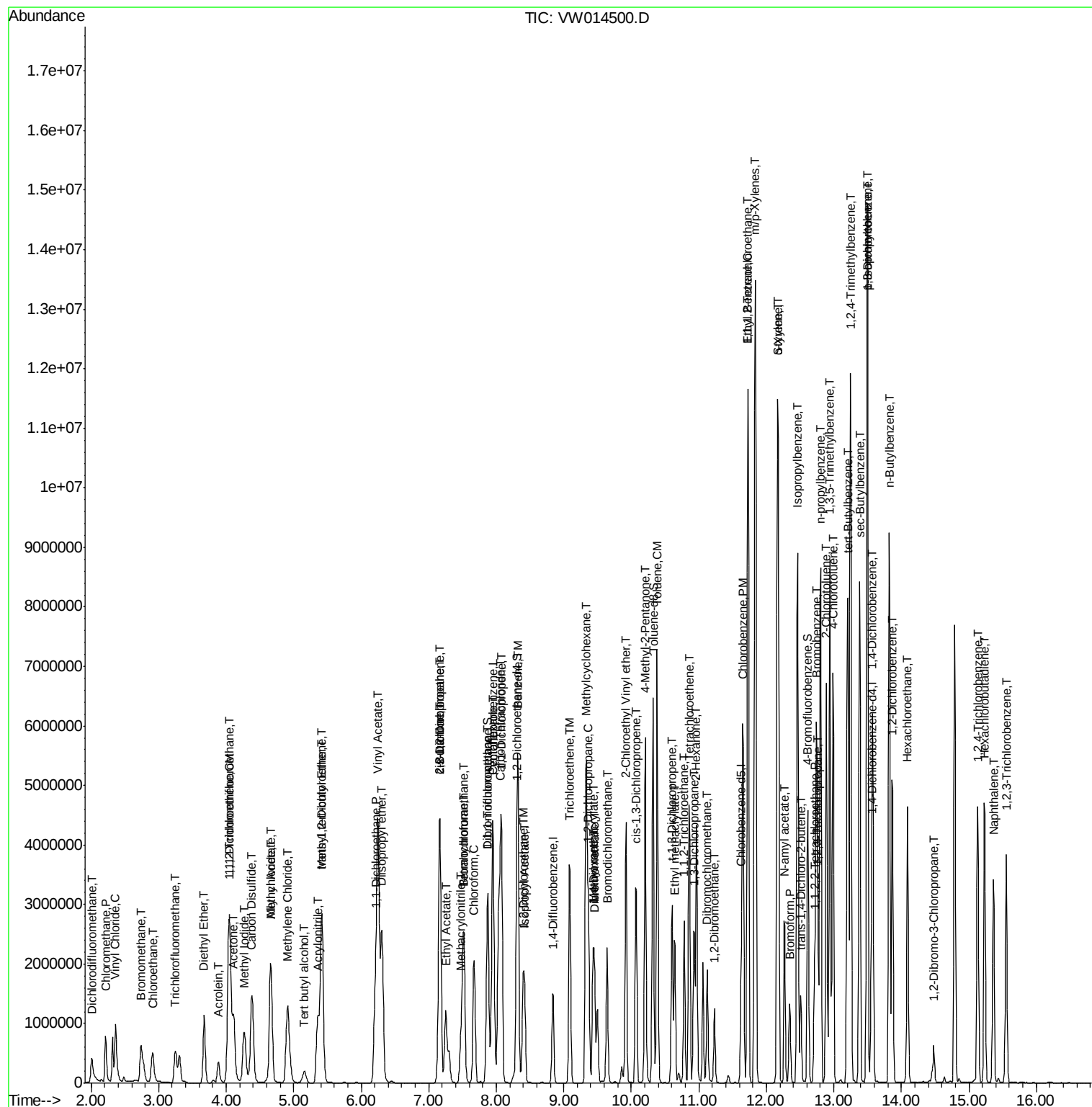
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 Data File : VW014500.D
 Acq On : 03 Jan 2020 15:40
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 894294

Ion Ratio Lower Upper

168 100

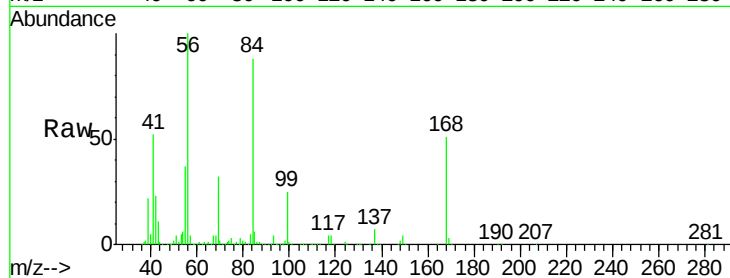
99 49.3 41.1 61.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

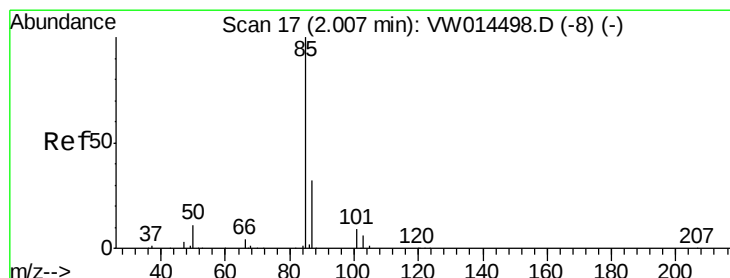
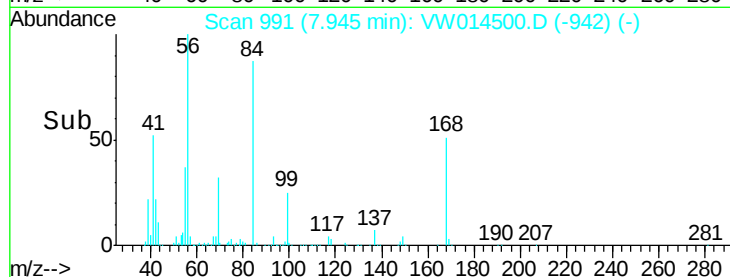
300000

200000

100000

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Time-->



#2

Dichlorodifluoromethane

Concen: 139.509 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014500.D

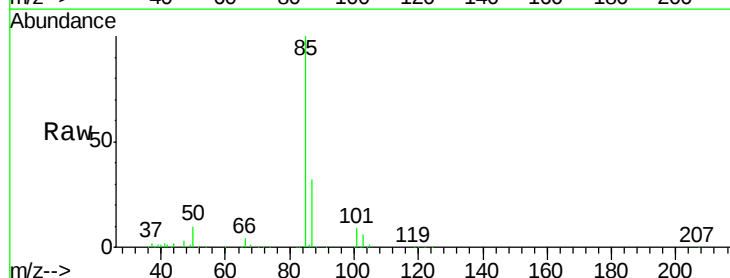
Acq: 03 Jan 2020 15:40

Tgt Ion: 85 Resp: 688827

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

250000

200000

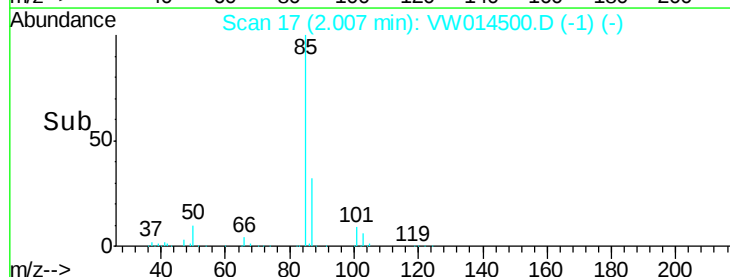
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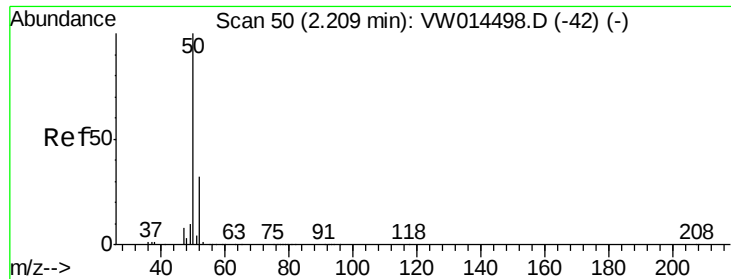
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50000

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Time-->





#3

Chloromethane

Concen: 152.936 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 820358

Ion Ratio Lower Upper

50 100

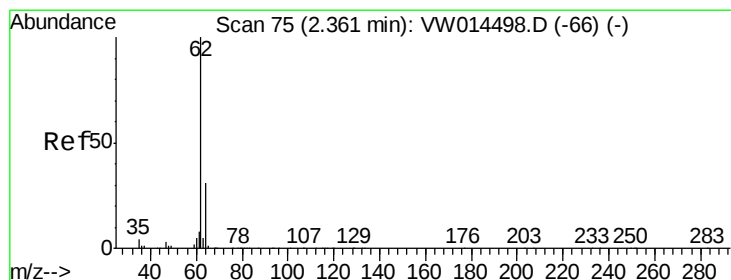
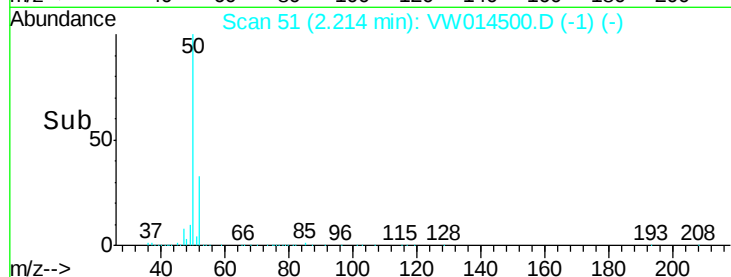
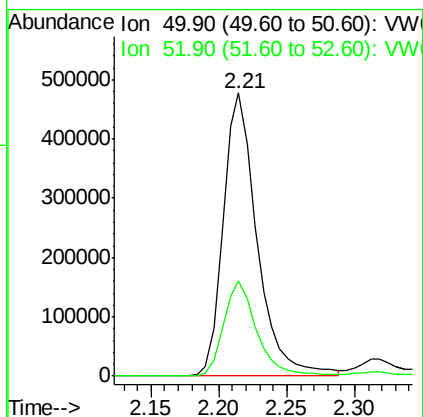
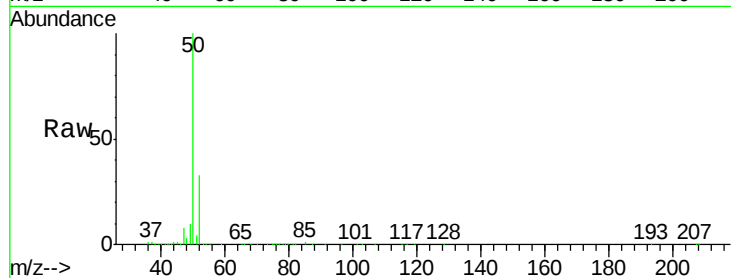
52 33.5 25.8 38.8

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#4

Vinyl Chloride

Concen: 148.718 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014500.D

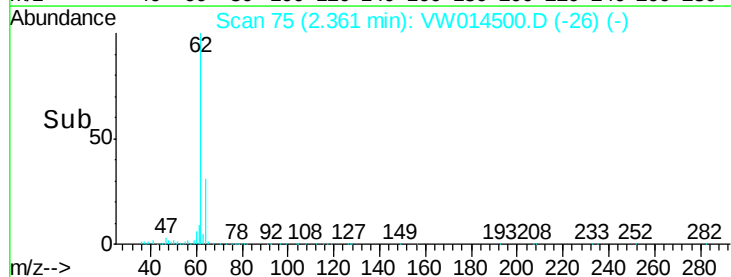
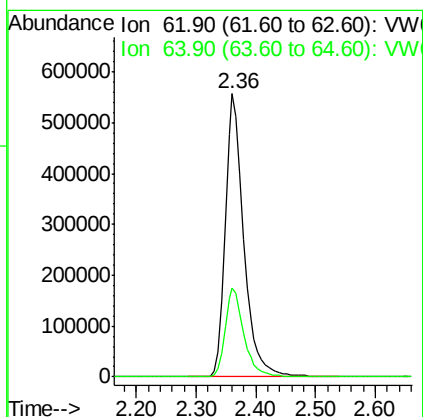
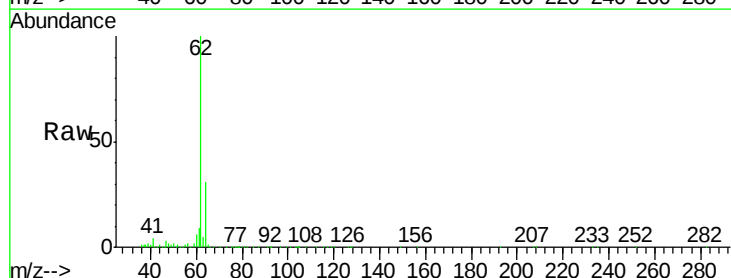
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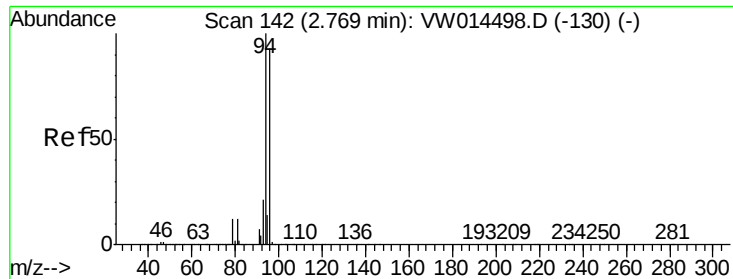
Tgt Ion: 62 Resp: 1205037

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.4





#5

Bromomethane

Concen: 142.793 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.03 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 747254

Ion Ratio Lower Upper

94 100

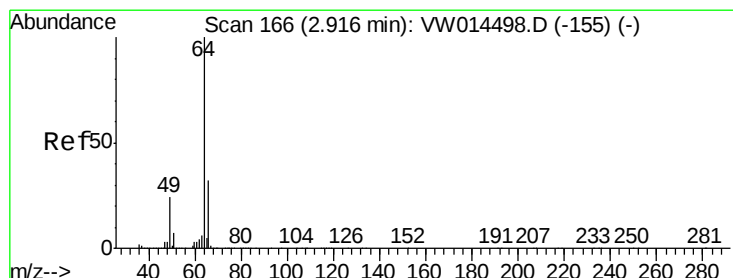
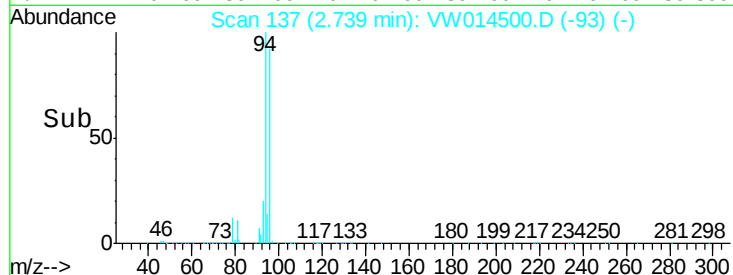
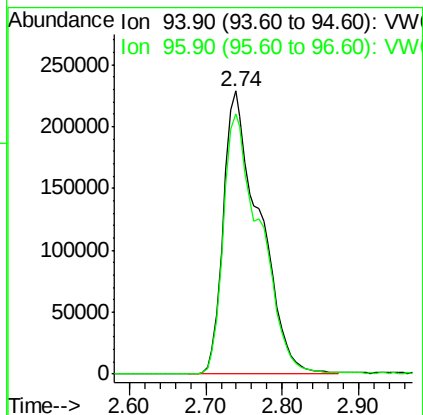
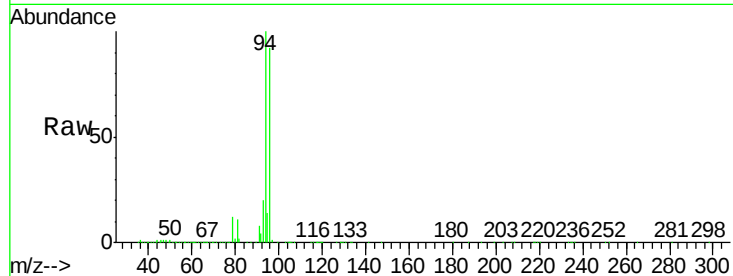
96 92.2 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 150.837 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW014500.D

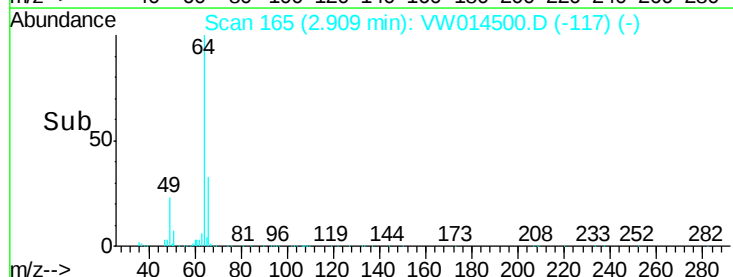
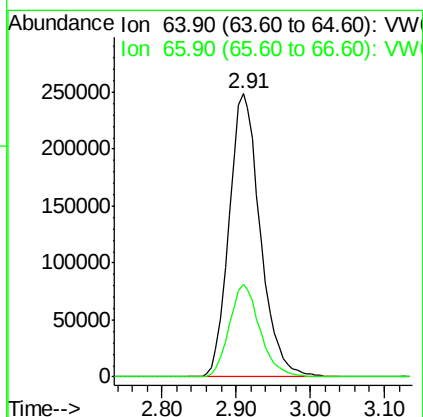
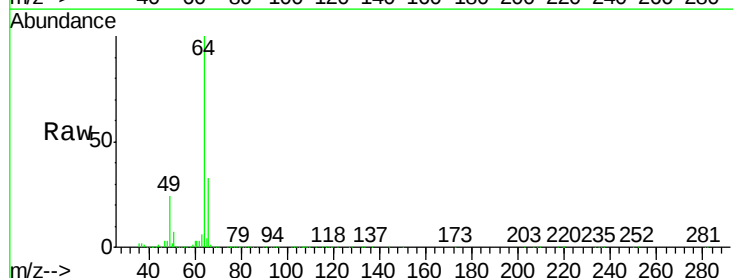
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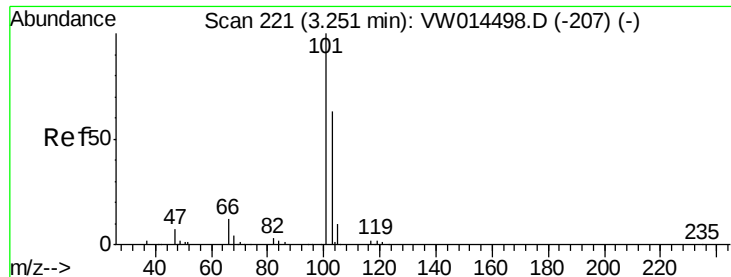
Tgt Ion: 64 Resp: 728275

Ion Ratio Lower Upper

64 100

66 32.6 25.7 38.5





#7

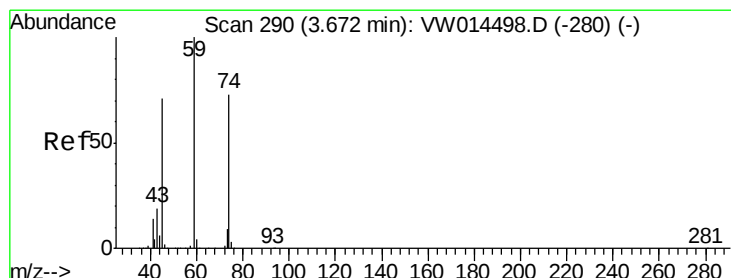
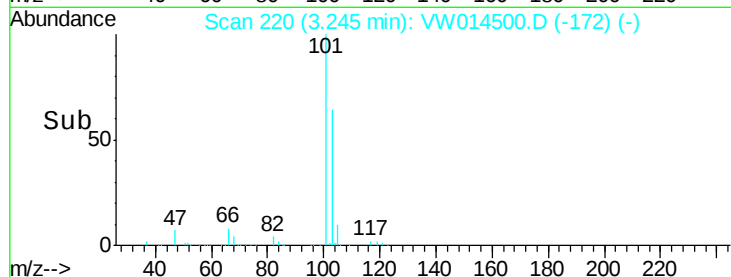
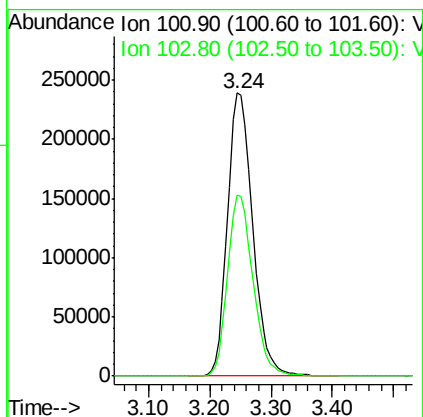
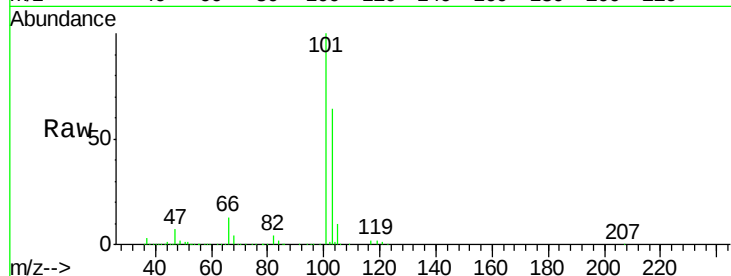
Trichlorofluoromethane
Concen: 142.180 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.1	75.1

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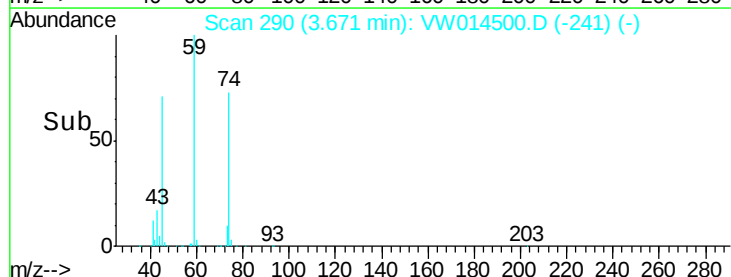
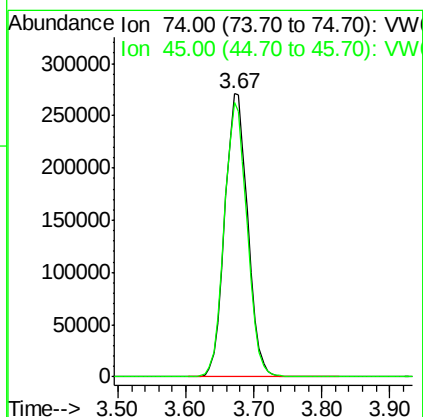
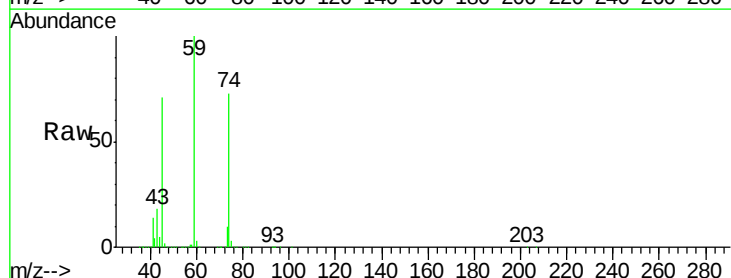
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#8

Diethyl Ether
Concen: 154.588 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.134 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:101 Resp: 1151444

Ion Ratio Lower Upper

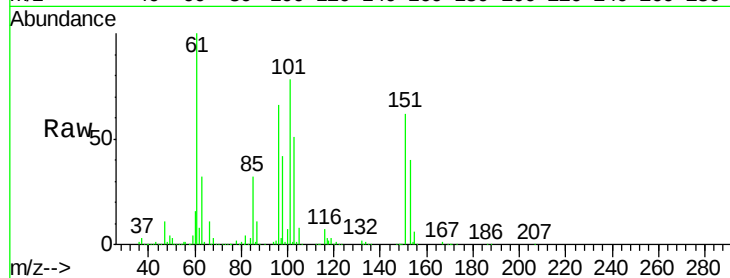
101 100

85 41.6 33.7 50.5

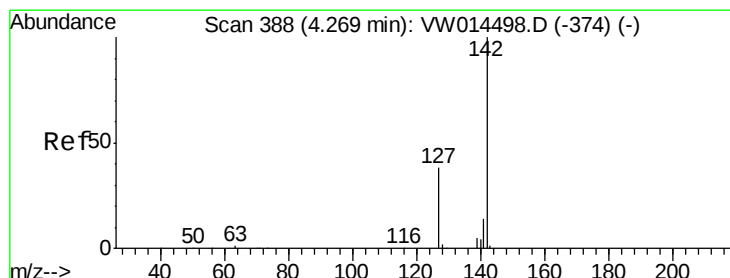
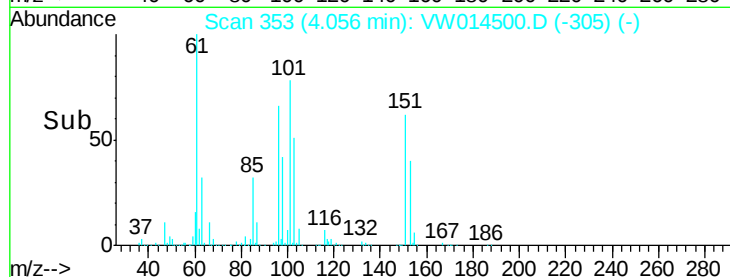
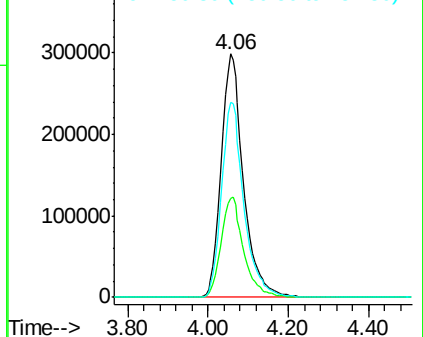
151 80.4 63.5 95.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 139.800 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

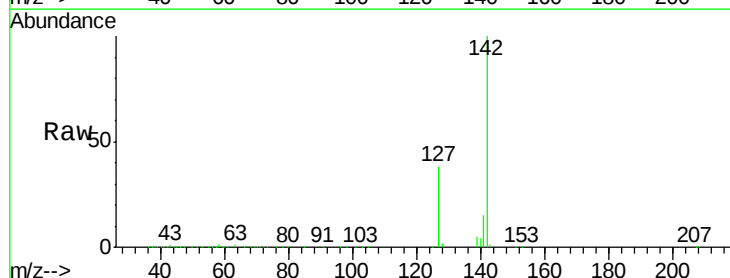
Tgt Ion:142 Resp: 1780652

Ion Ratio Lower Upper

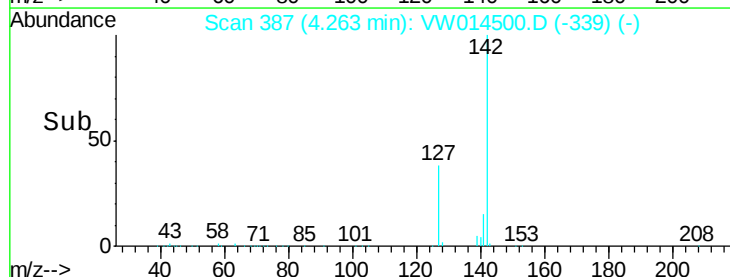
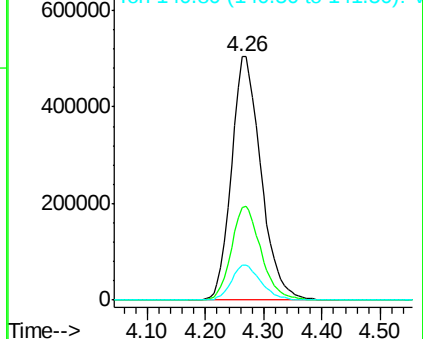
142 100

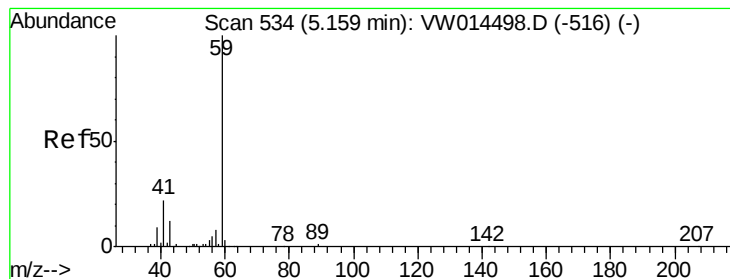
127 38.6 30.2 45.4

141 14.5 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

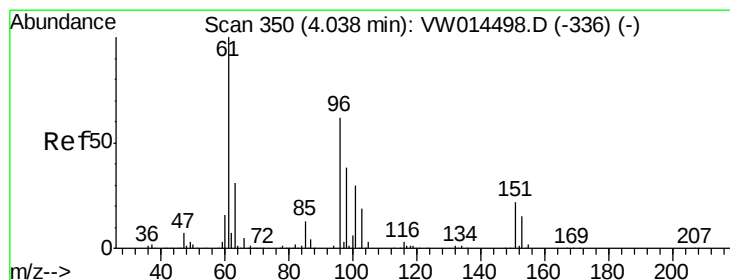
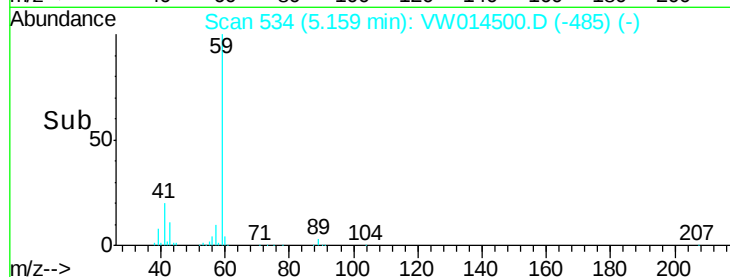
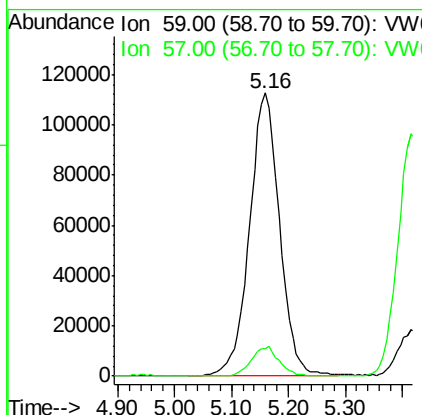
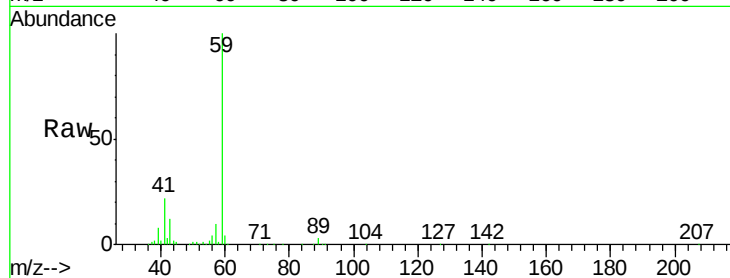
Tert butyl alcohol
Concen: 853.335 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.8

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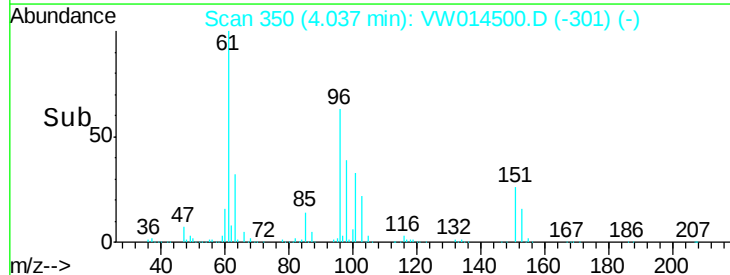
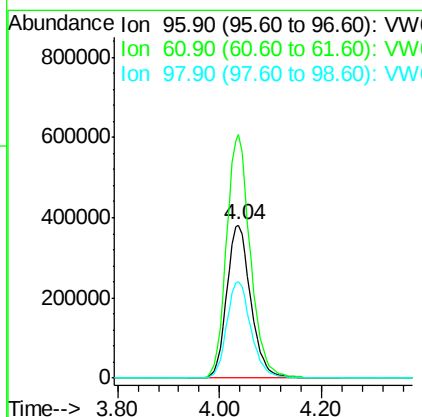
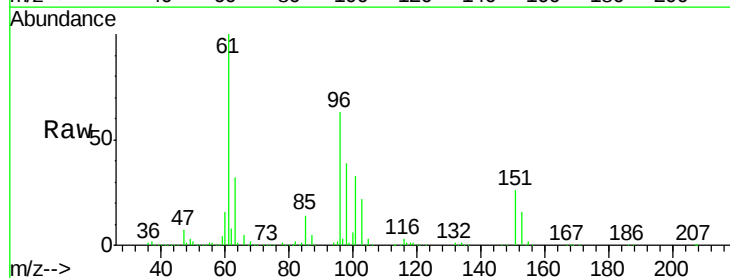
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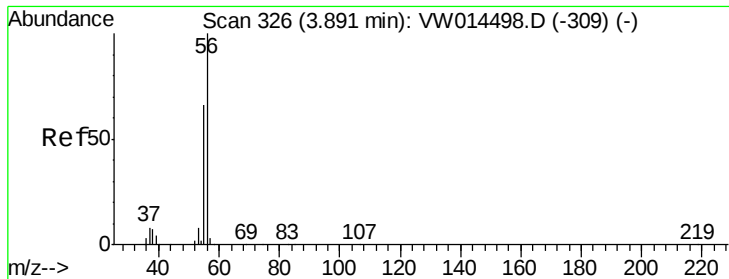


#12

1,1-Dichloroethene
Concen: 149.635 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	128.4	192.6
98	62.8	49.1	73.7





#13

Acrolein

Concen: 834.169 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 447112

Ion Ratio Lower Upper

56 100

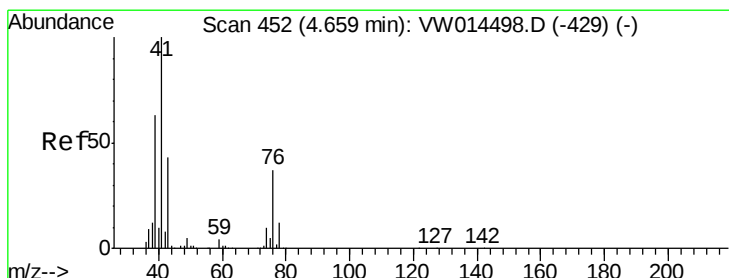
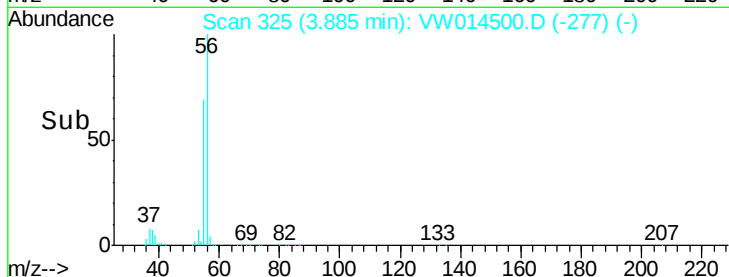
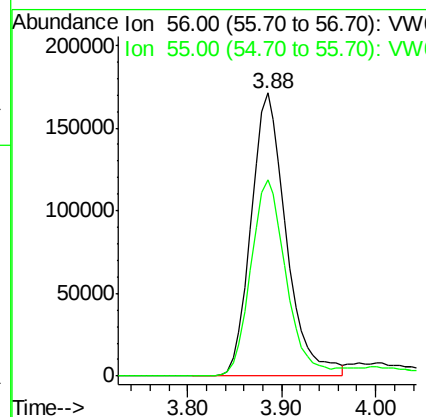
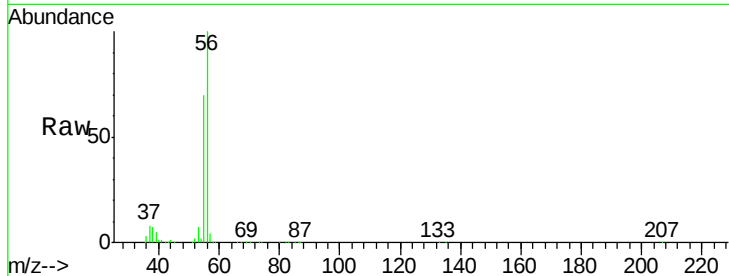
55 69.4 56.7 85.1

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#14

Allyl chloride

Concen: 149.115 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

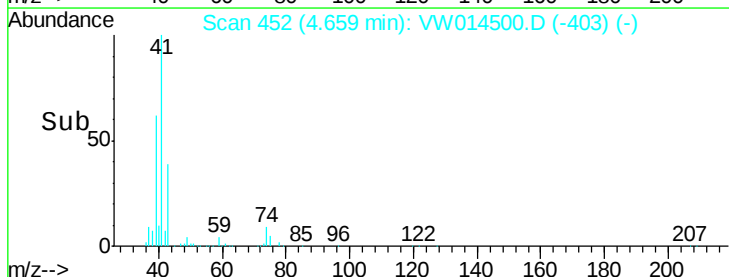
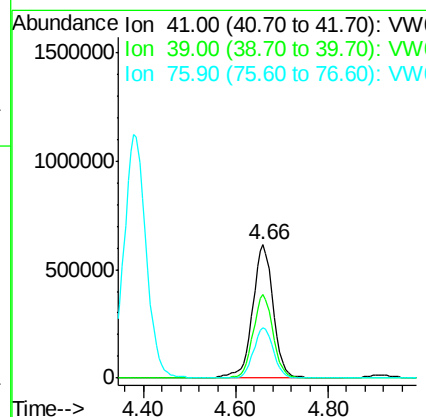
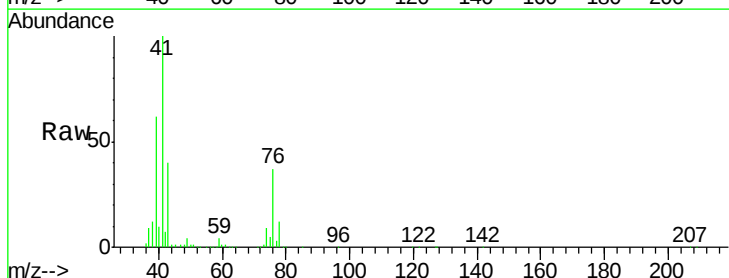
Tgt Ion: 41 Resp: 1909675

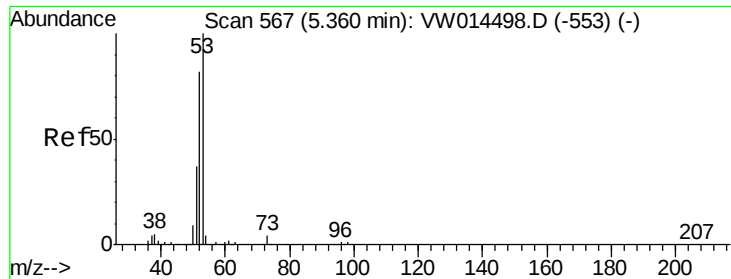
Ion Ratio Lower Upper

41 100

39 60.3 48.5 72.7

76 36.3 28.1 42.1





#15

Acrylonitrile

Concen: 797.771 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1413394

Ion Ratio Lower Upper

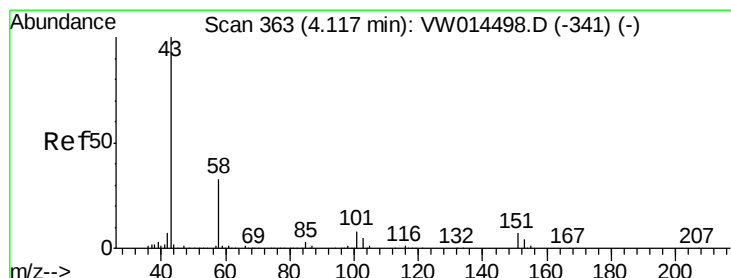
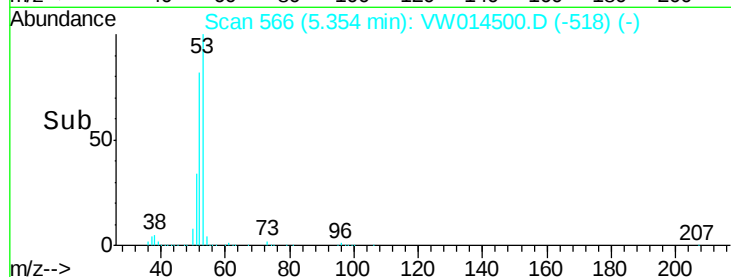
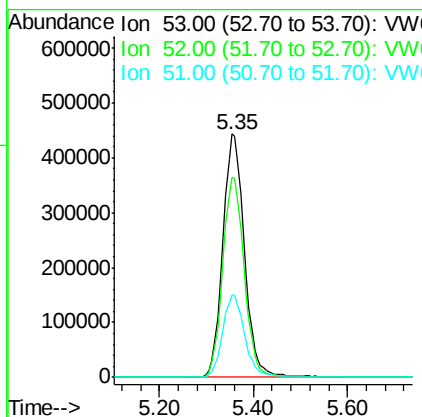
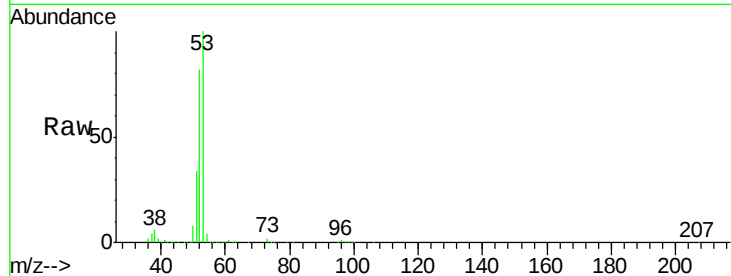
53 100

52 82.1 66.5 99.7

51 34.7 28.4 42.6

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#16

Acetone

Concen: 911.669 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014500.D

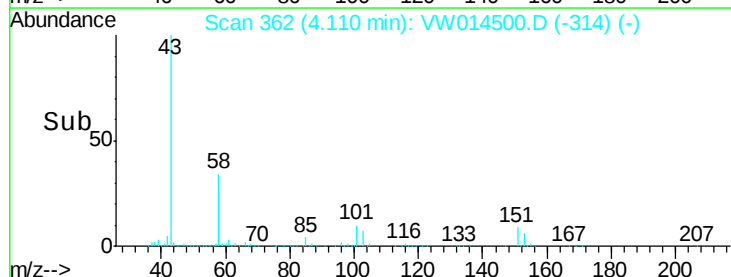
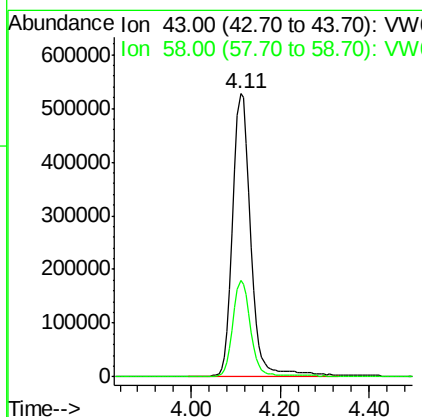
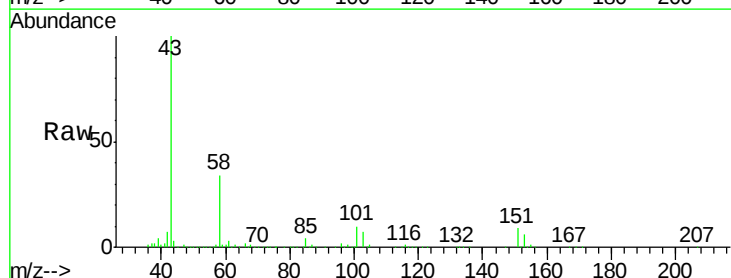
Acq: 03 Jan 2020 15:40

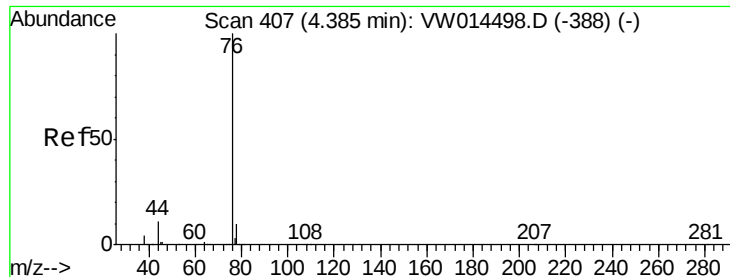
Tgt Ion: 43 Resp: 1511295

Ion Ratio Lower Upper

43 100

58 34.1 26.6 39.8





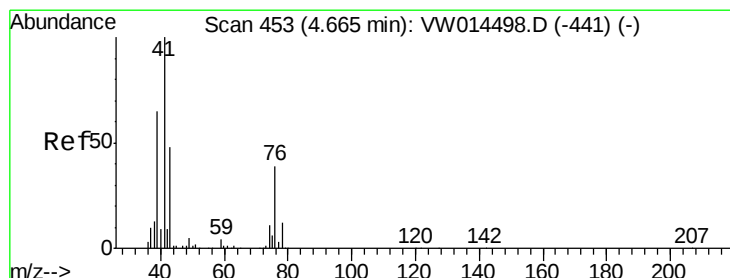
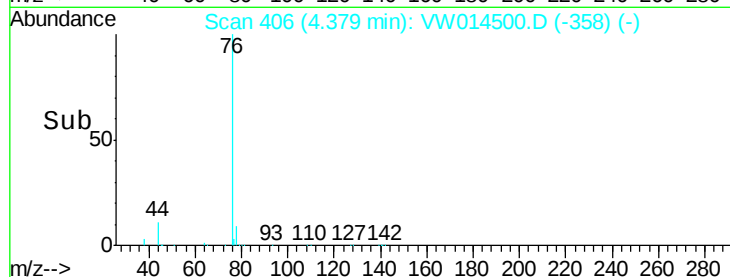
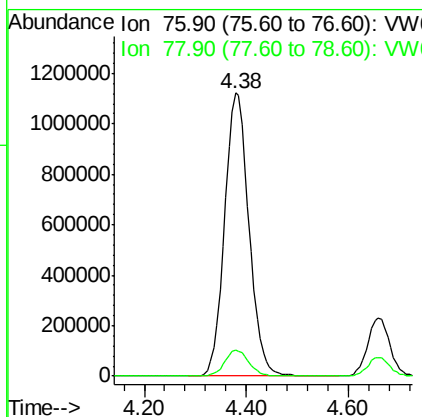
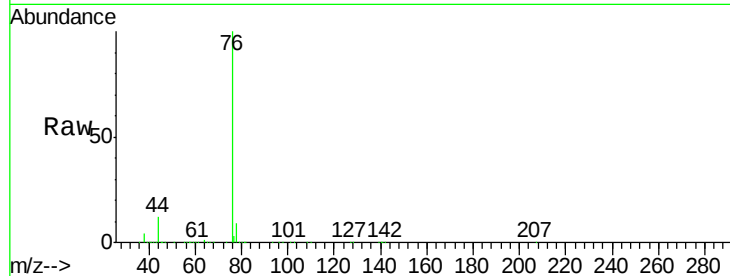
#17
Carbon Disulfide
Concen: 153.207 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 3713820
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6

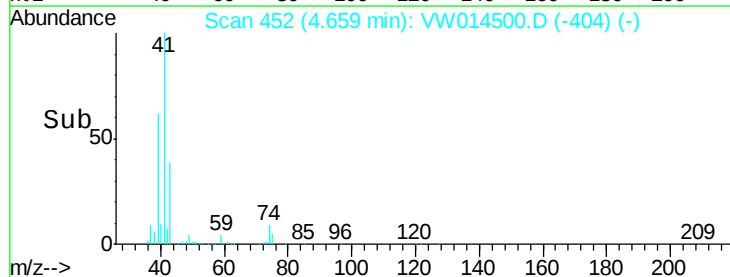
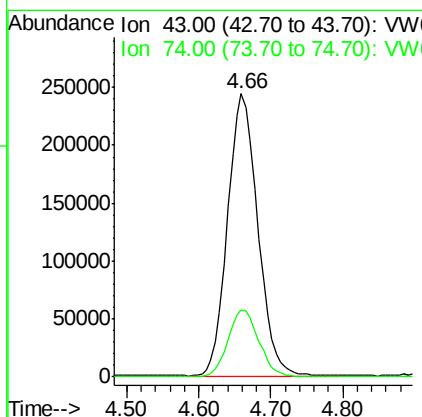
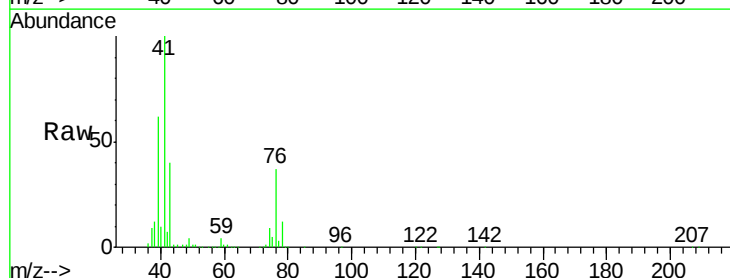
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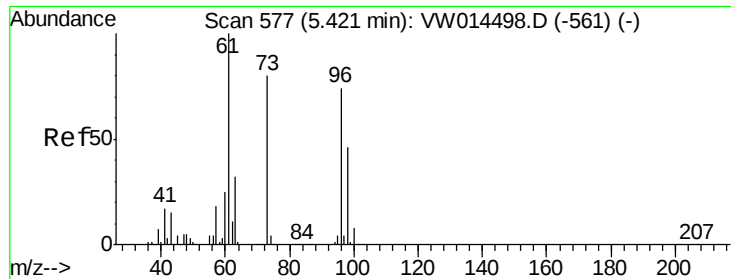
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#18
Methyl Acetate
Concen: 159.288 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 43 Resp: 712309
Ion Ratio Lower Upper
43 100
74 24.2 19.3 28.9





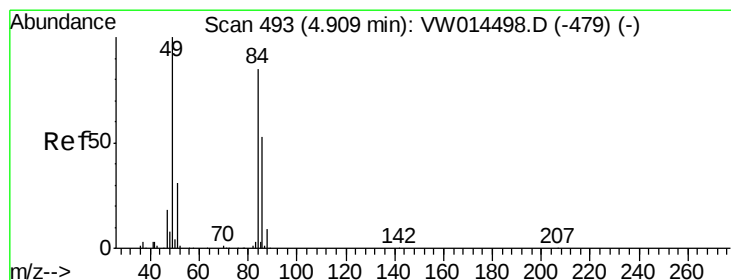
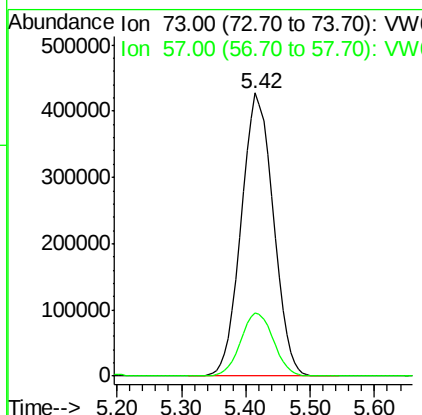
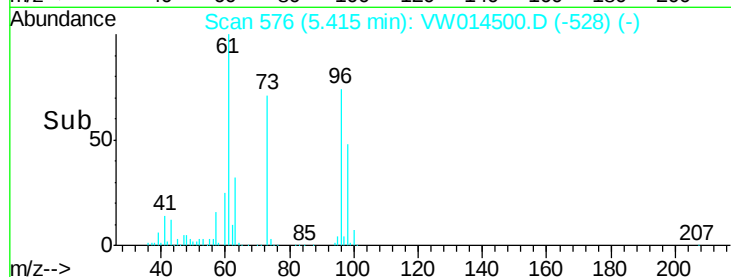
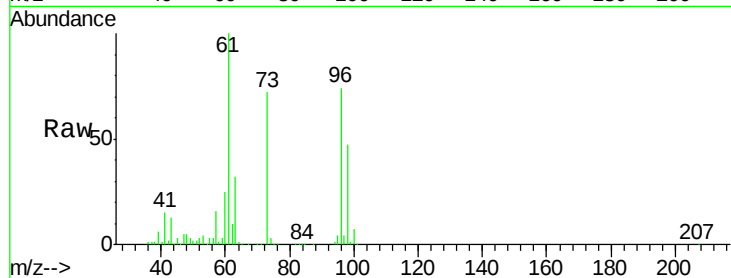
#19
Methyl tert-butyl Ether
Concen: 144.643 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1470899
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1

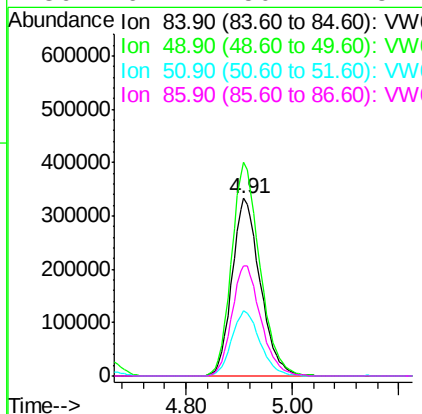
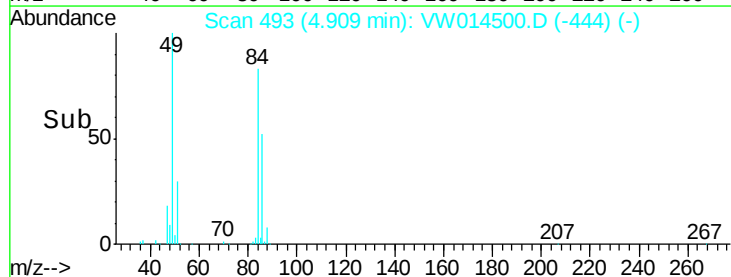
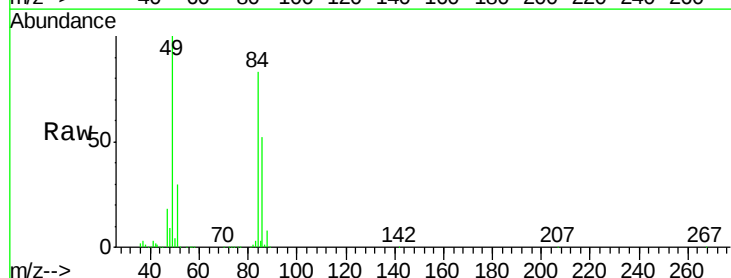
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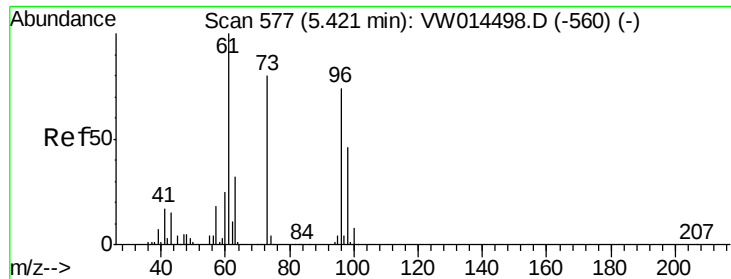
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#20
Methylene Chloride
Concen: 131.851 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 84 Resp: 1228344
Ion Ratio Lower Upper
84 100
49 120.4 94.4 141.6
51 36.6 29.5 44.3
86 62.2 50.2 75.2





#21

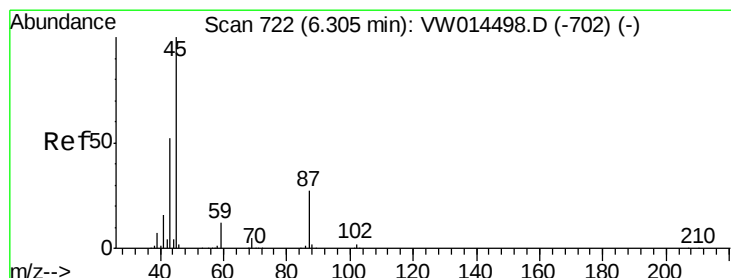
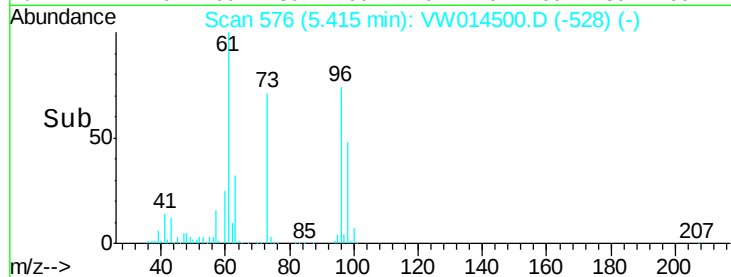
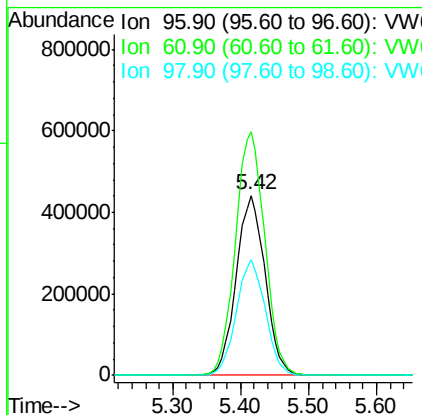
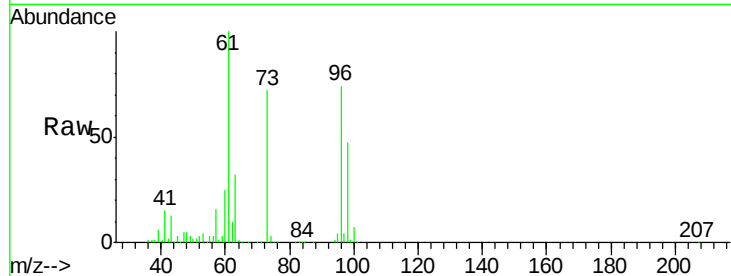
trans-1,2-Dichloroethene
Concen: 146.303 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	107.8	161.6
98	64.3	49.4	74.0

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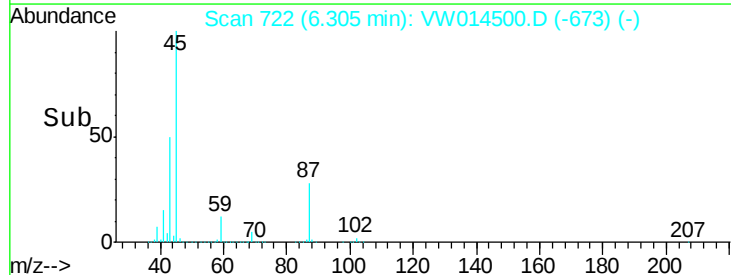
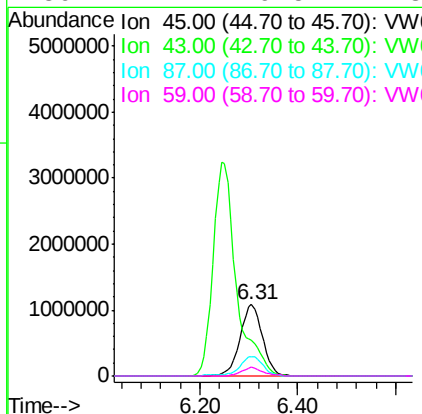
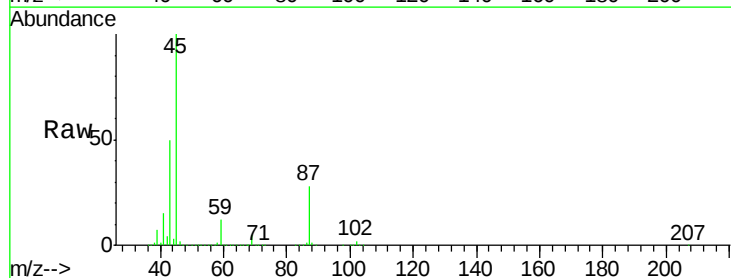
apatel
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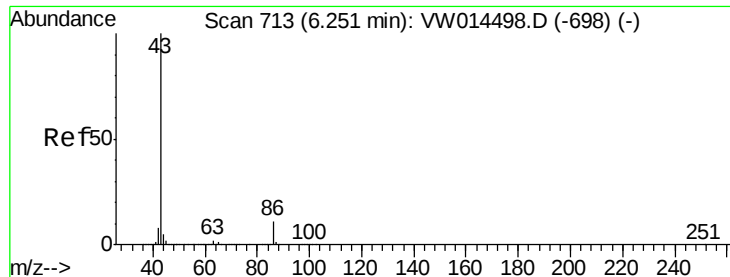


#22

Diisopropyl ether
Concen: 147.792 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	50.0	41.4	62.0
87	27.7	22.2	33.2
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 766.691 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp:10709398

Ion Ratio Lower Upper

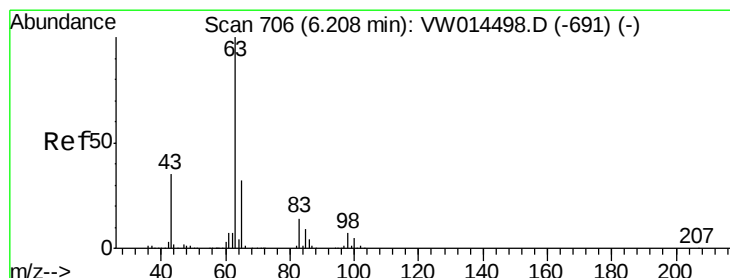
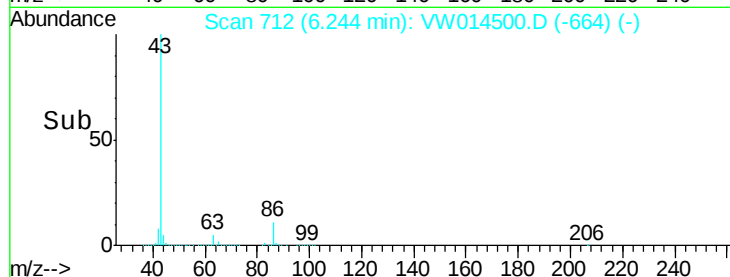
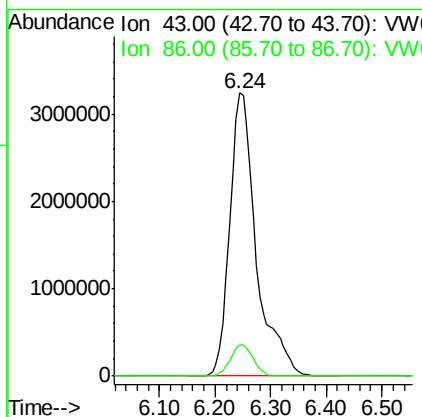
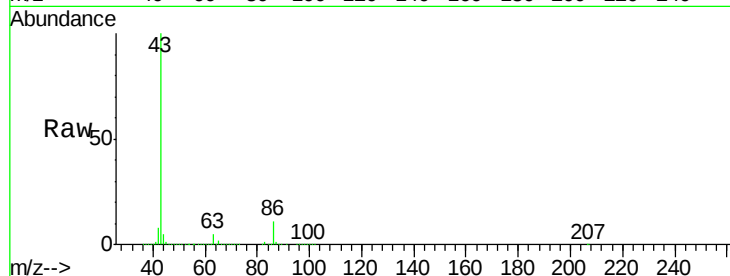
43 100

86 11.1 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 149.452 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

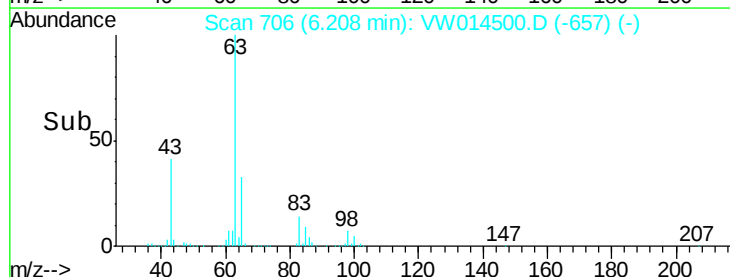
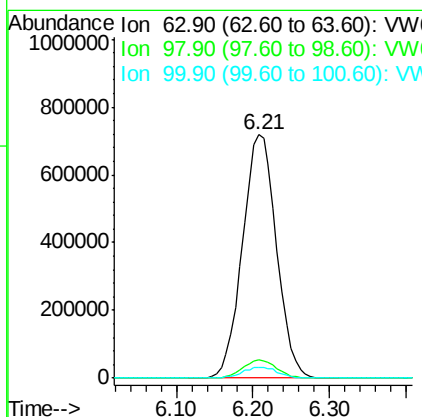
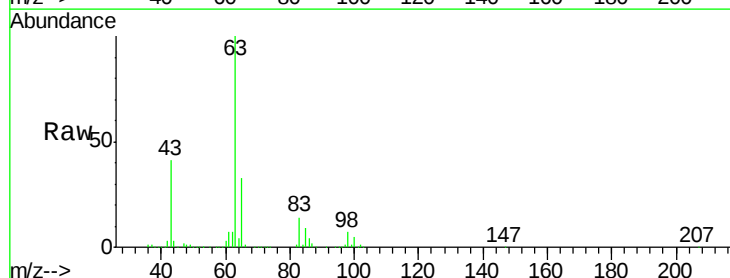
Tgt Ion: 63 Resp: 2215465

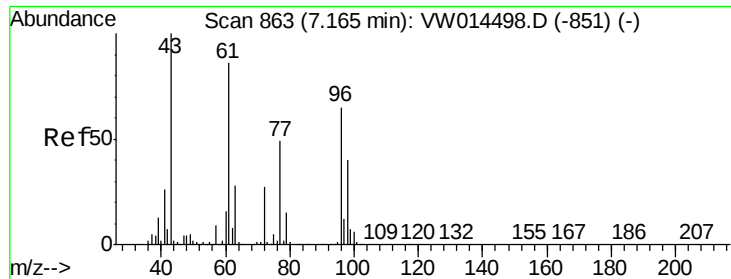
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.6 2.5 7.4





#25

2-Butanone

Concen: 821.146 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 1922744

Ion Ratio Lower Upper

43 100

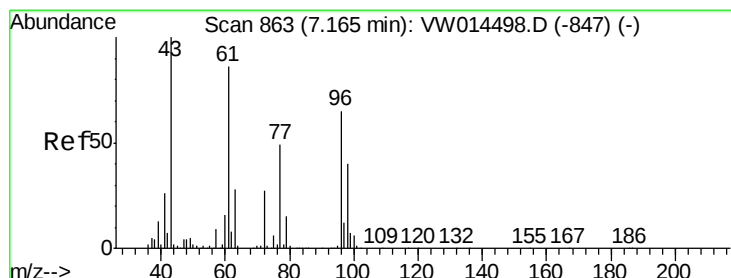
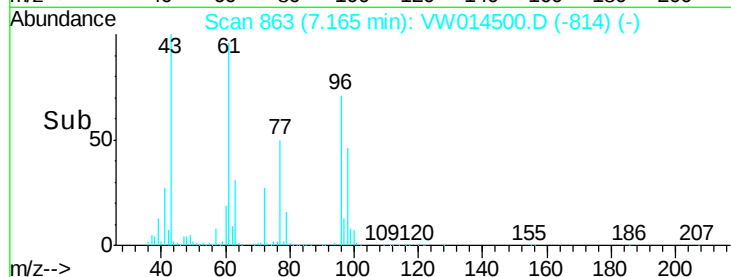
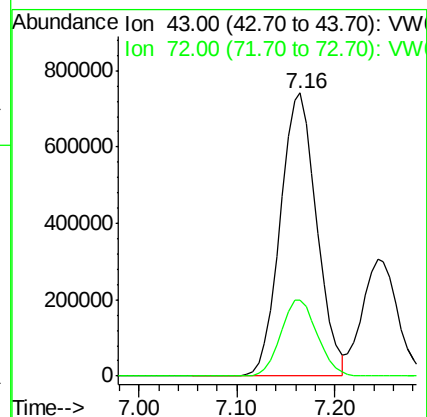
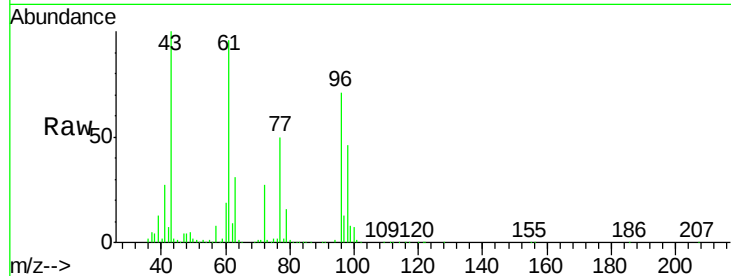
72 26.8 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 131.975 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014500.D

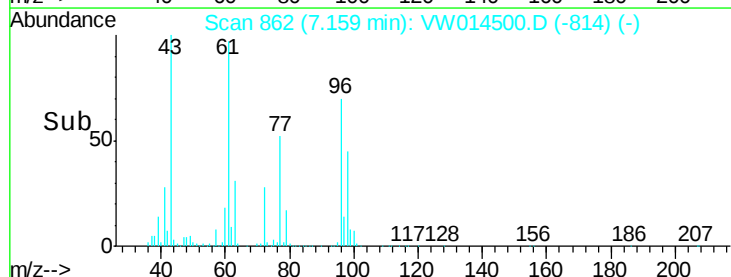
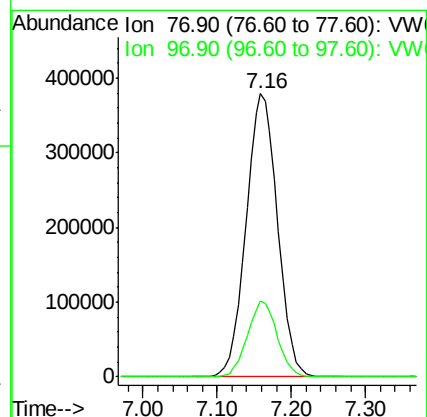
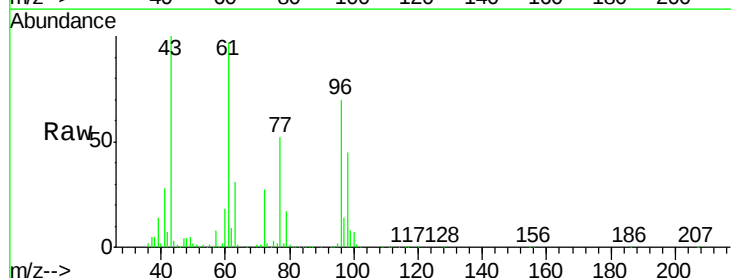
Acq: 03 Jan 2020 15:40

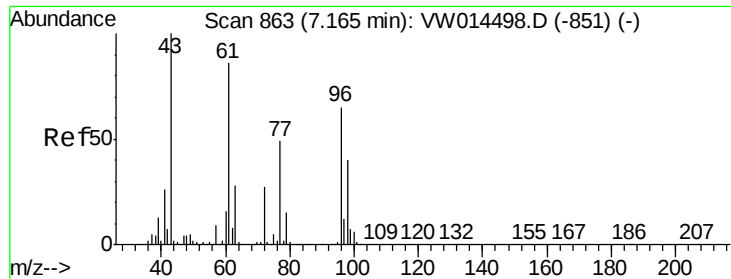
Tgt Ion: 77 Resp: 1114371

Ion Ratio Lower Upper

77 100

97 25.5 12.5 37.5





#27

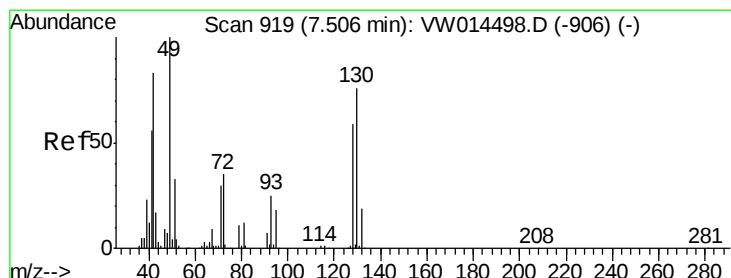
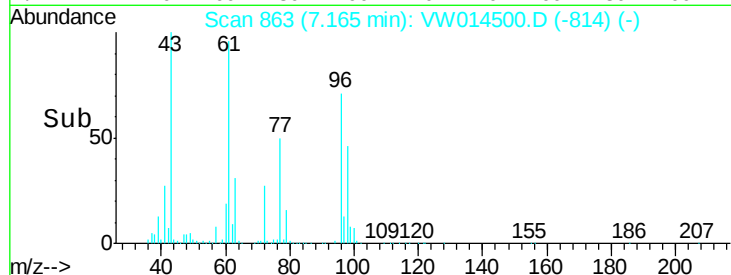
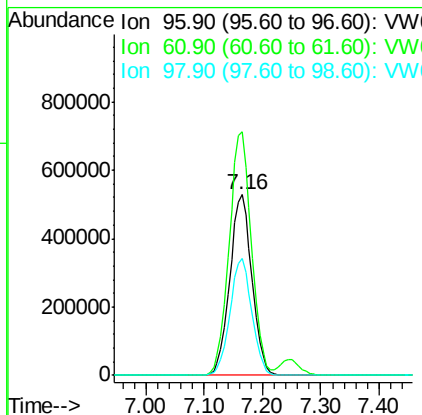
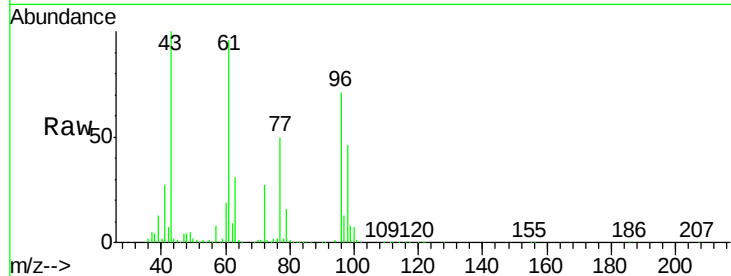
cis-1,2-Dichloroethene
Concen: 147.442 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	274.8
98	64.1	0.0	128.6

Manual Integrations
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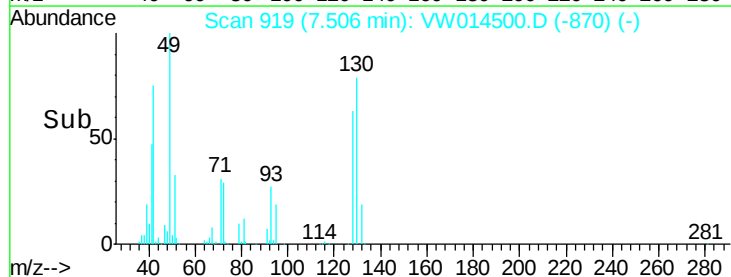
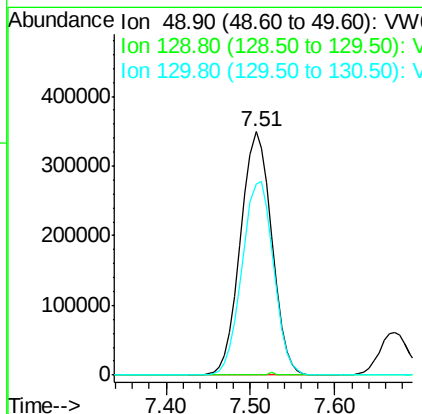
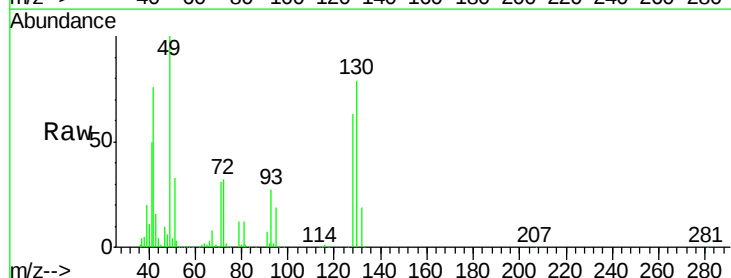
apatel
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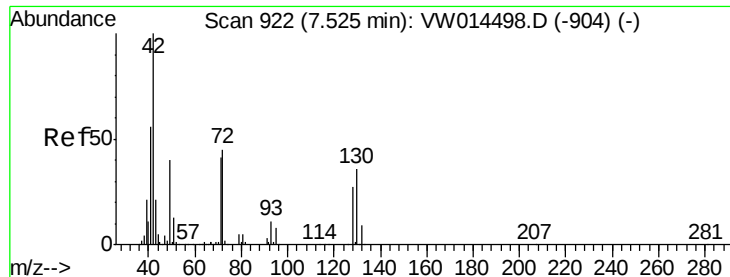


#28

Bromochloromethane
Concen: 172.893 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	2.0
130	80.3	62.5	93.7





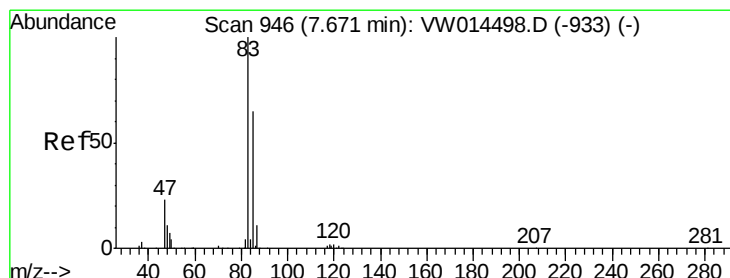
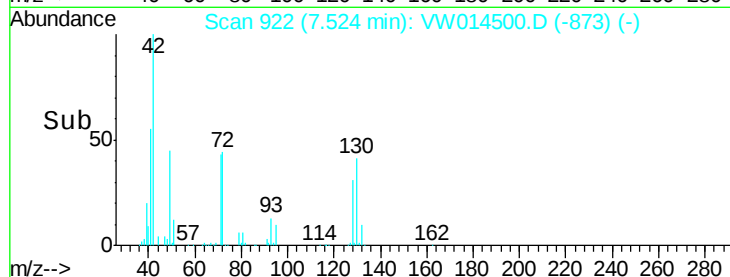
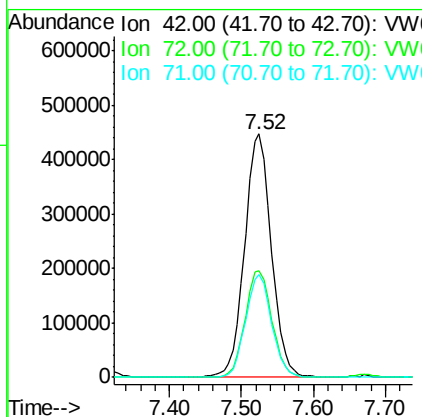
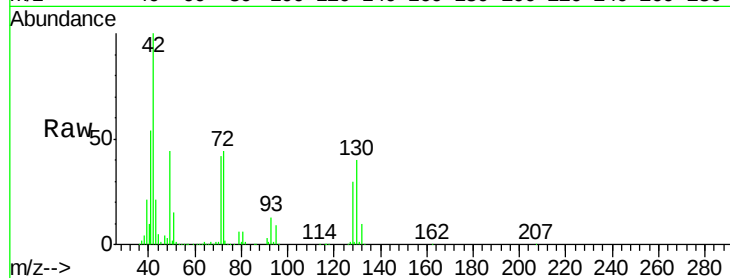
#29
Tetrahydrofuran
Concen: 793.355 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.5	51.7
71	41.2	32.0	48.0

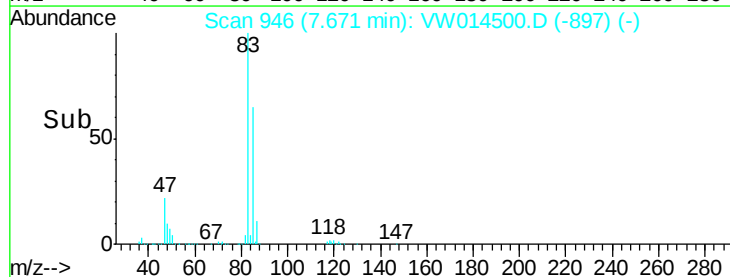
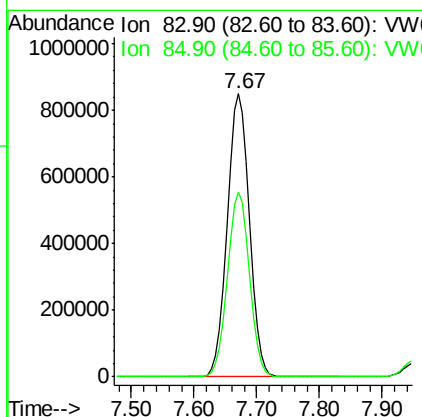
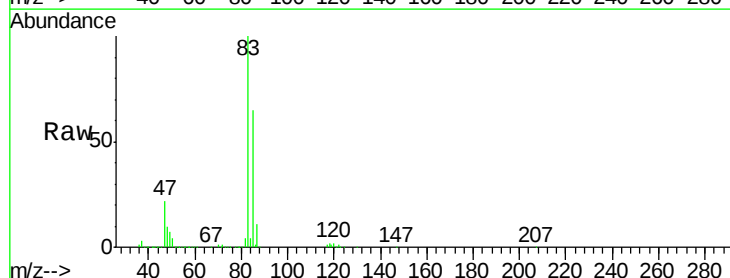
Manual Integrations
APPROVED

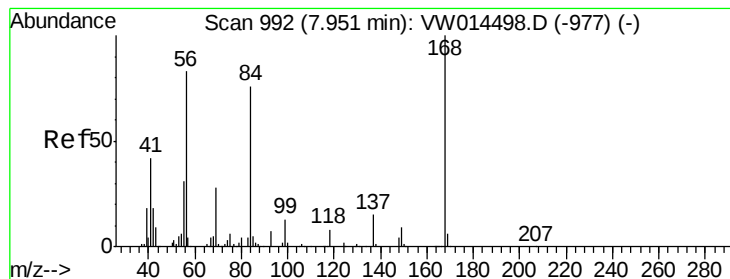
apatel
1/6/2020 10:43:25 AM



#30
Chloroform
Concen: 143.232 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2





#31

Cvclohexane

Concen: 140.802 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 2181880

Ion Ratio Lower Upper

56 100

69 31.2 26.8 40.2

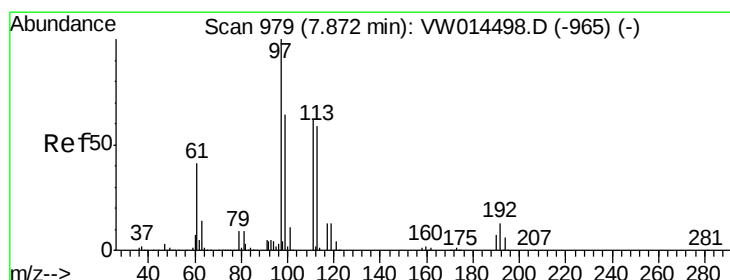
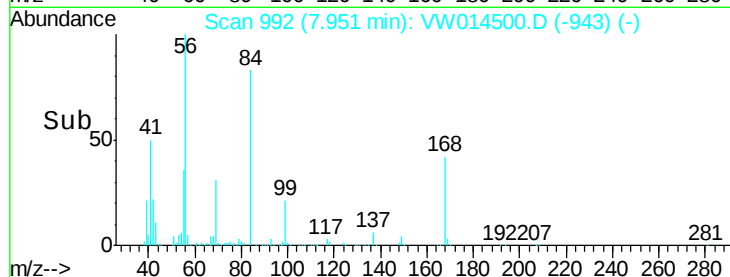
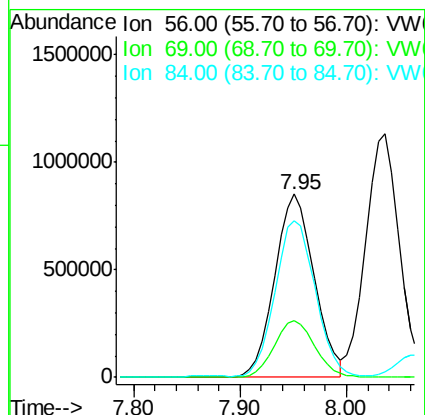
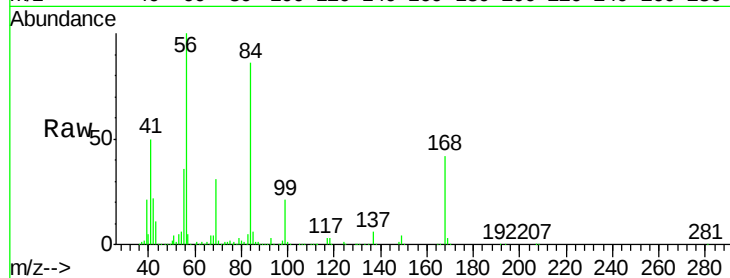
84 84.7 71.8 107.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 145.477 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

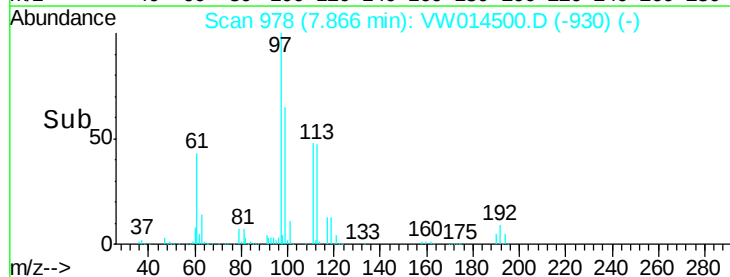
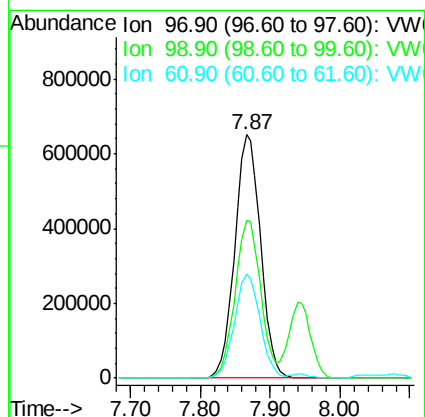
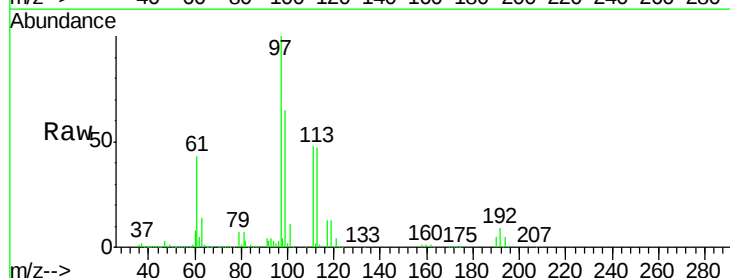
Tgt Ion: 97 Resp: 1659863

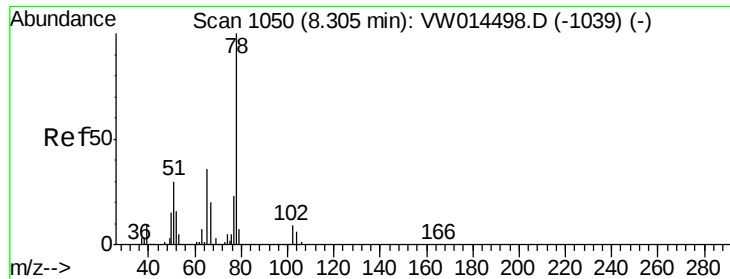
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 42.6 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 150.832 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 65 Resp: 1056594

Ion Ratio Lower Upper

65 100

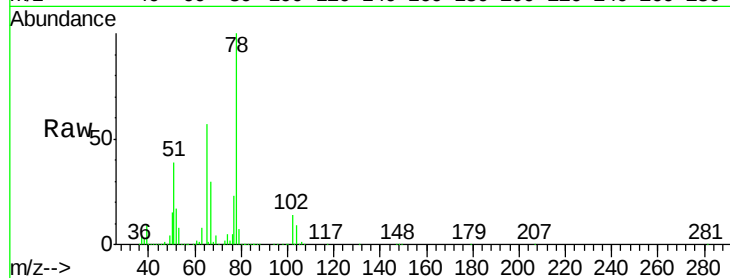
67 53.9 0.0 108.4

Manual Integrations

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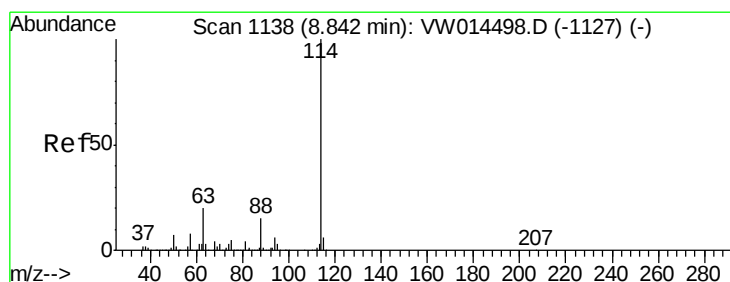
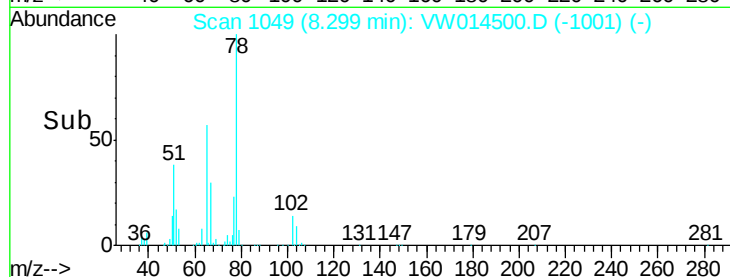
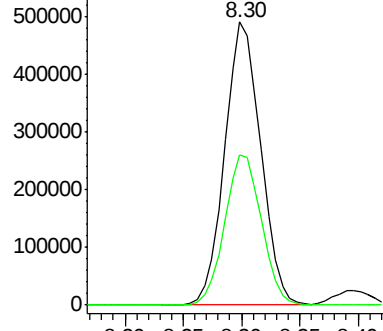
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

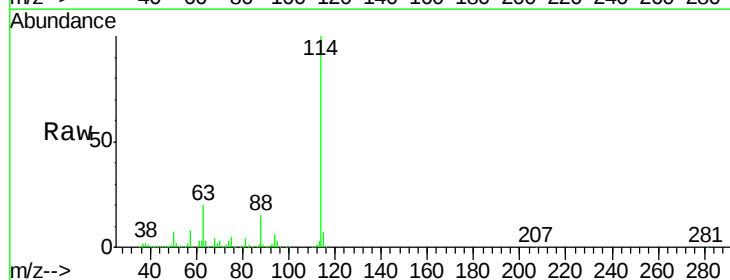
Tgt Ion: 114 Resp: 1340599

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.4

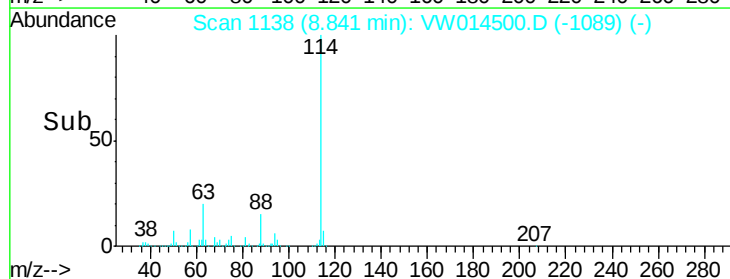
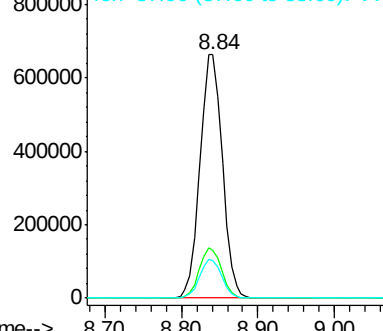
88 15.4 0.0 30.6



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





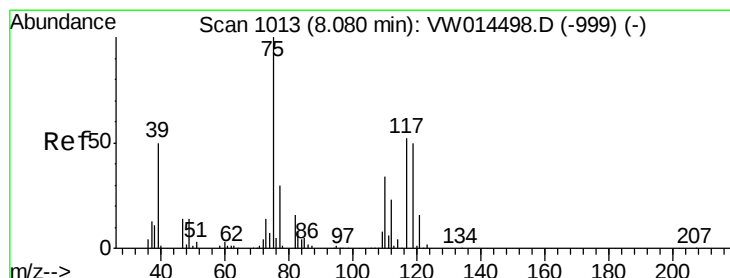
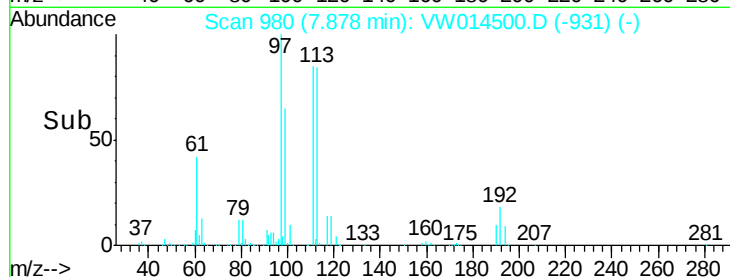
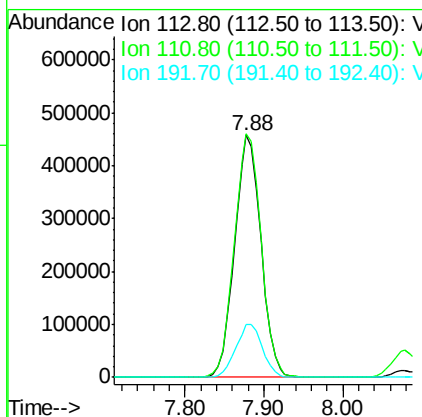
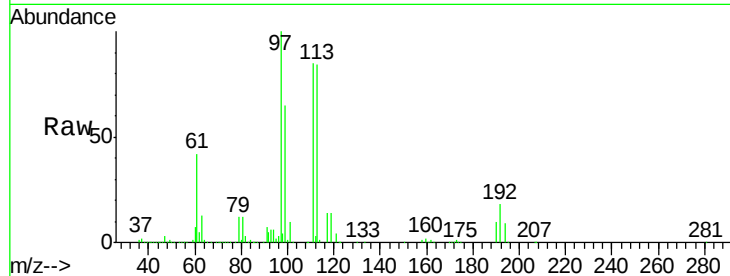
#35
 Dibromofluoromethane
 Concen: 143.085 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 113 Resp: 1061428
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.2
 192 22.2 17.8 26.8

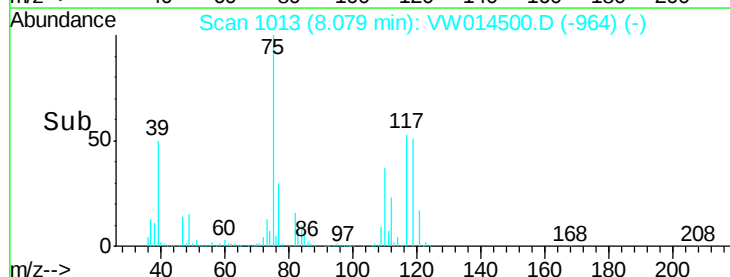
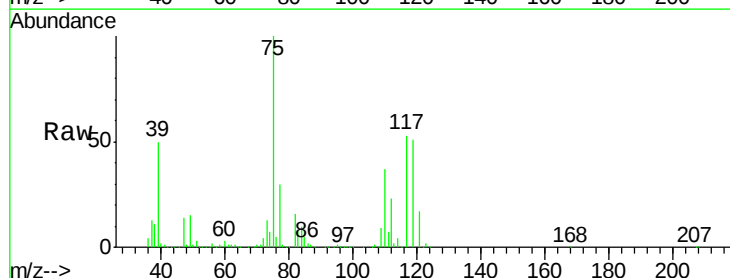
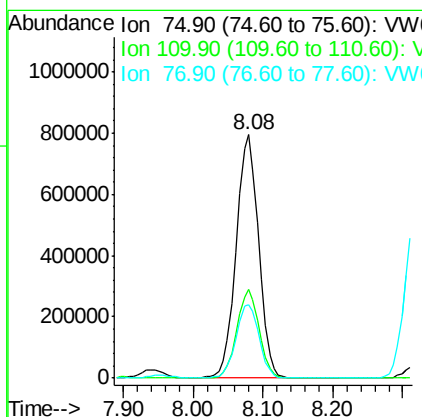
Manual Integrations
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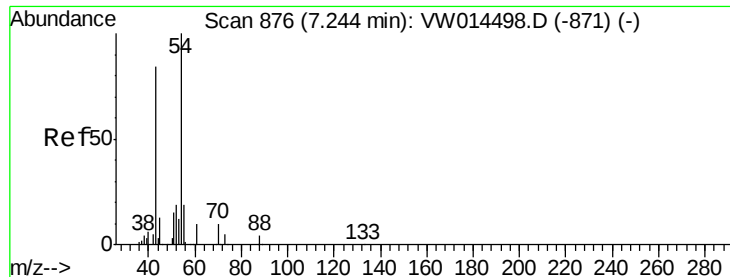
apatel
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#36
 1,1-Dichloropropene
 Concen: 140.084 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion: 75 Resp: 1767368
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.8 53.5
 77 31.2 24.7 37.1





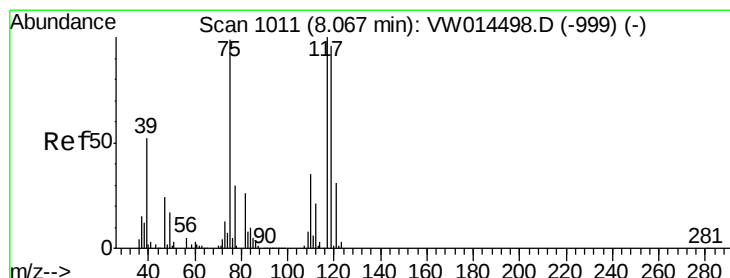
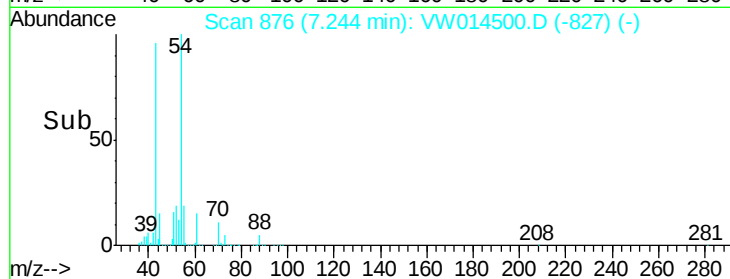
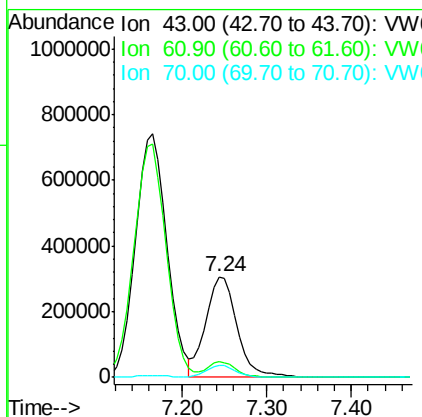
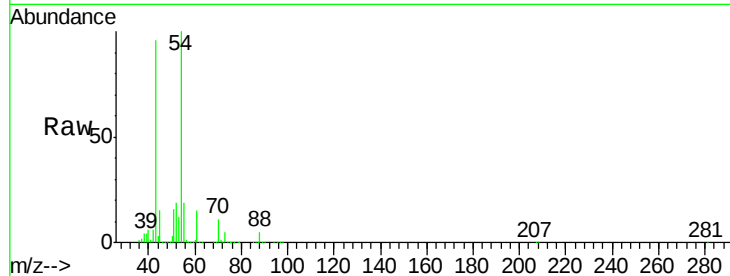
#37
Ethyl Acetate
Concen: 149.630 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.7	17.5
70	11.3	9.0	13.6

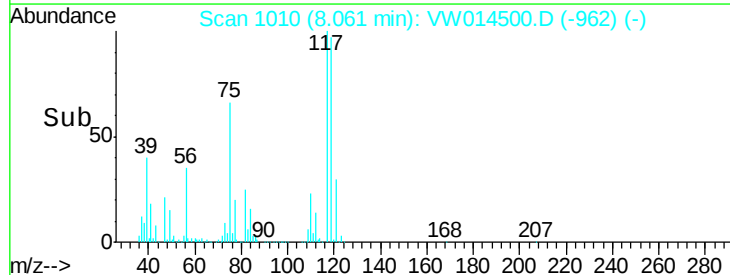
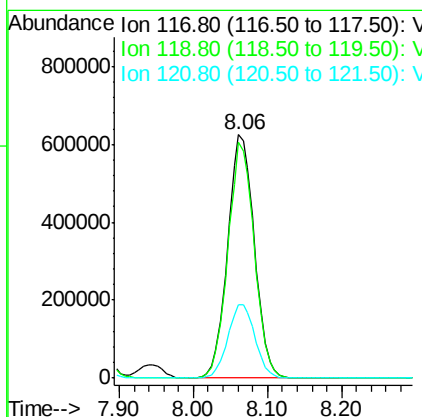
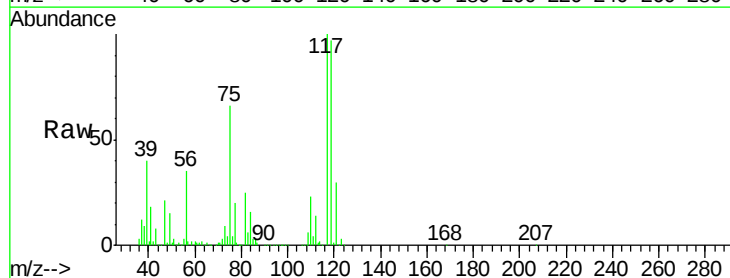
Manual Integrations
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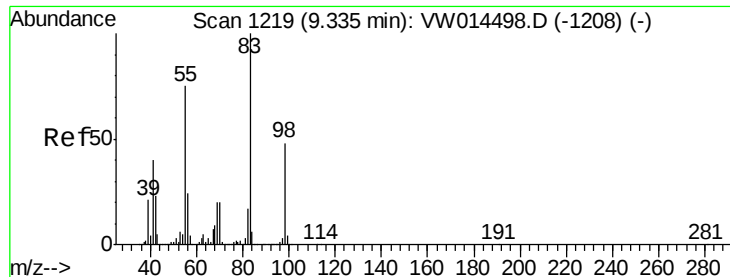
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#38
Carbon Tetrachloride
Concen: 139.344 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.6
121	30.3	24.6	36.8





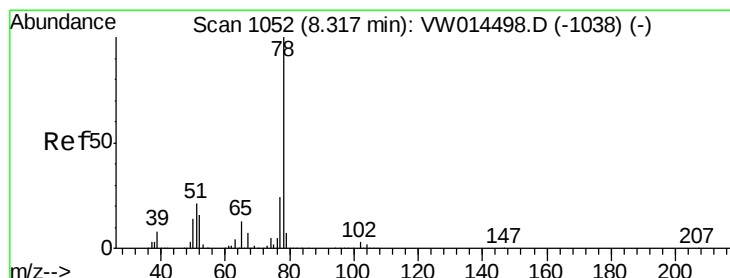
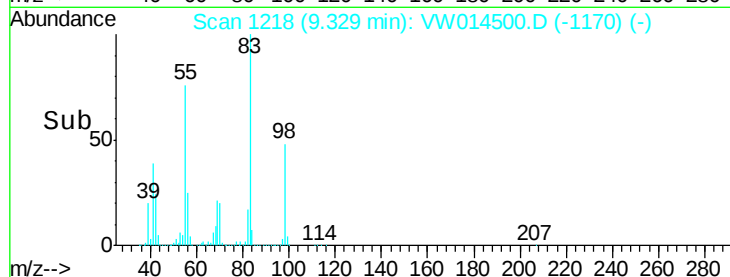
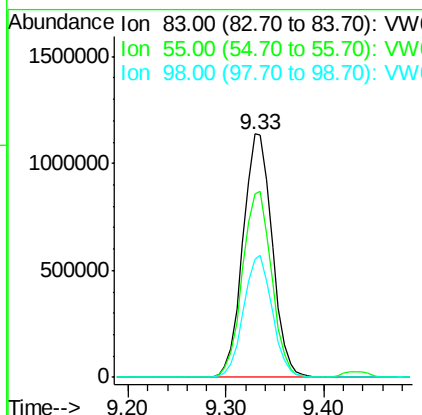
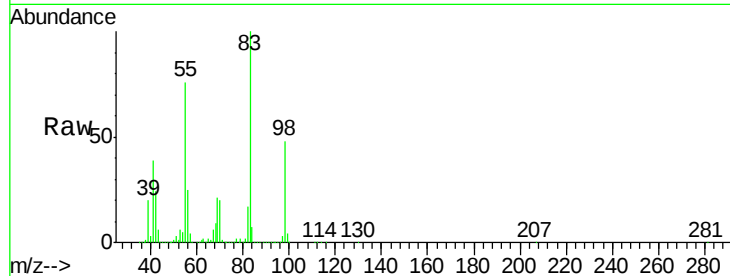
#39
Methvlcvclohexane
Concen: 145.505 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 2363535
Ion Ratio Lower Upper
83 100
55 75.6 60.1 90.1
98 48.5 38.8 58.2

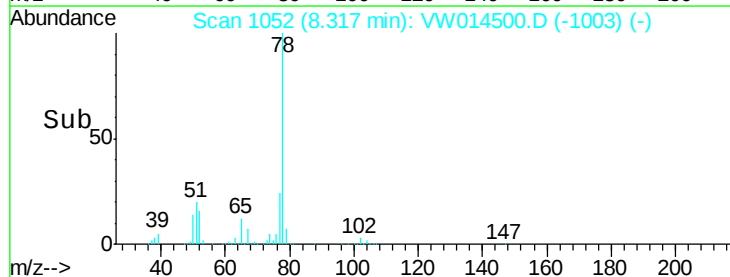
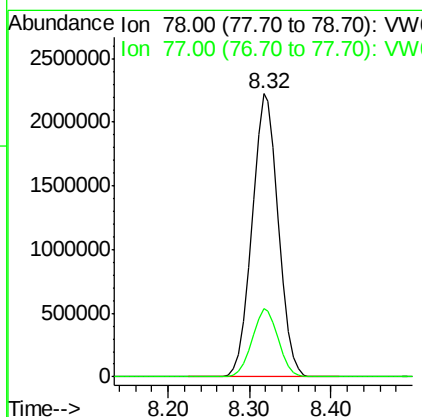
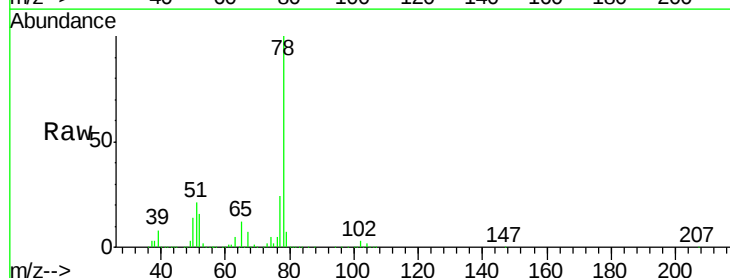
Manual Integrations
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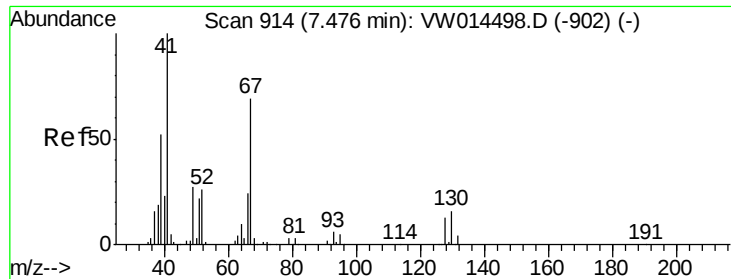
apatel
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#40
Benzene
Concen: 140.083 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 78 Resp: 4991137
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9





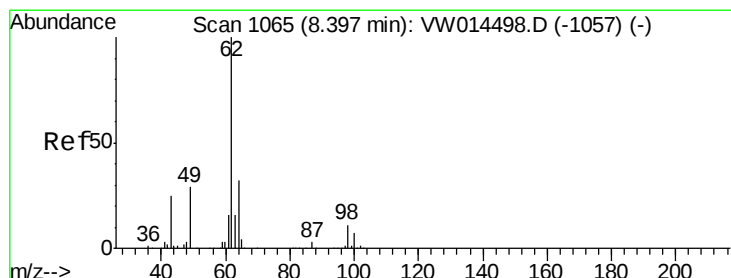
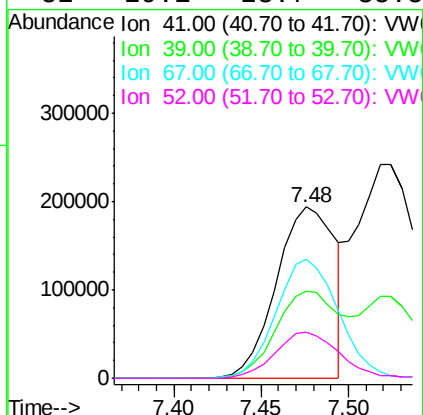
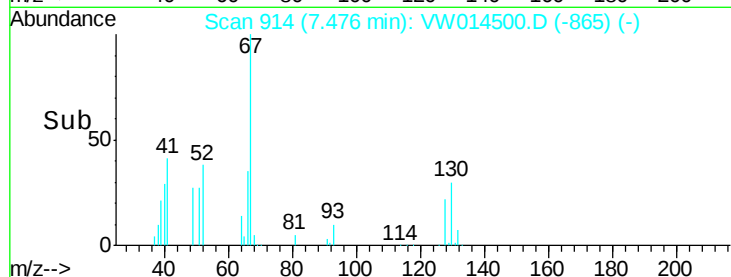
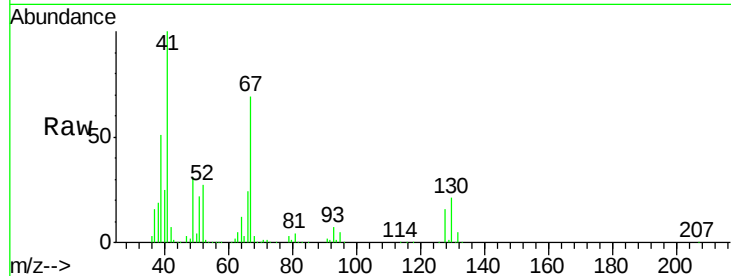
#41
Methacrylonitrile
Concen: 141.979 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:	41	Resp:	453074
Ion	Ratio	Lower	Upper
41	100		
39	56.2	46.0	69.0
67	74.1	60.8	91.2
52	29.1	23.7	35.5

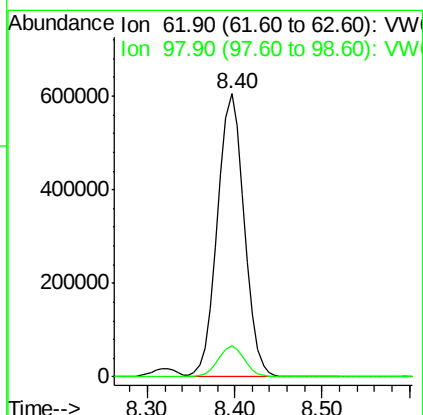
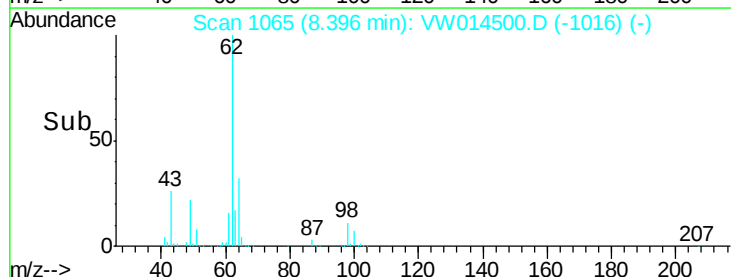
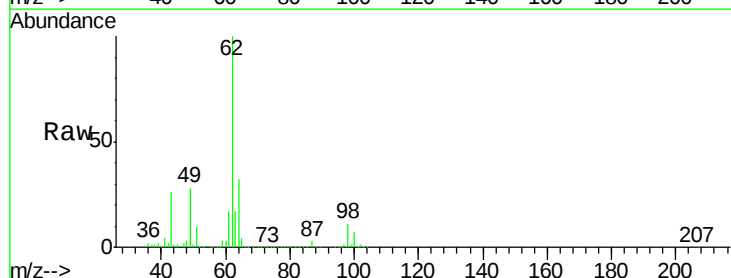
Manual Integrations
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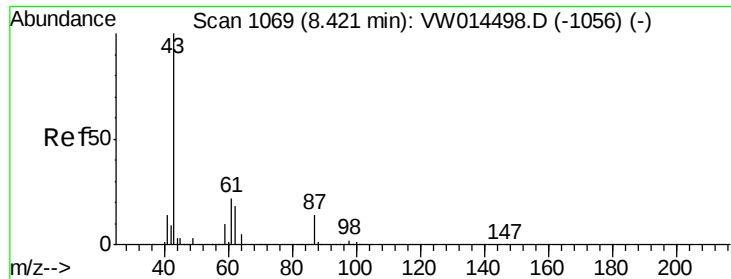
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1/6/2020 10:43:25 AM



#42
1,2-Dichloroethane
Concen: 141.714 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:	62	Resp:	1286024
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0





#43

Isopropyl Acetate

Concen: 152.205 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1491506

Ion Ratio Lower Upper

43 100

61 31.0 24.7 37.1

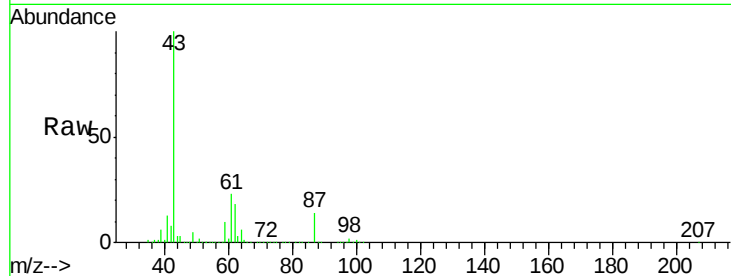
87 14.0 11.1 16.7

Manual Integrations

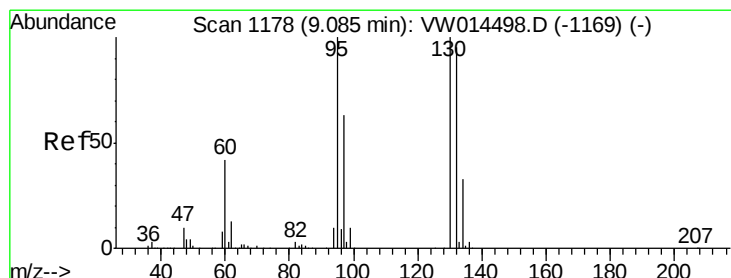
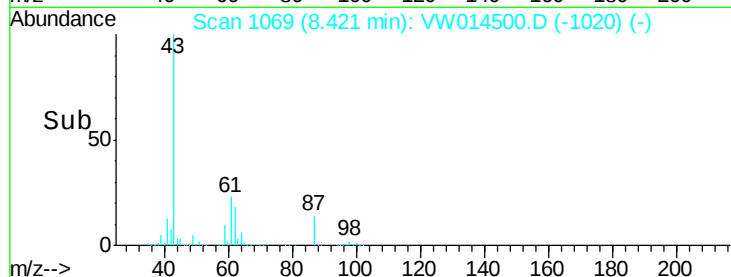
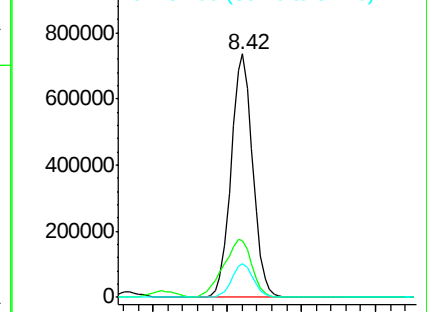
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Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 138.434 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014500.D

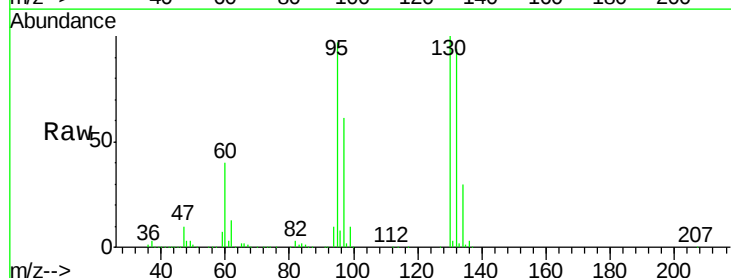
Acq: 03 Jan 2020 15:40

Tgt Ion:130 Resp: 1386031

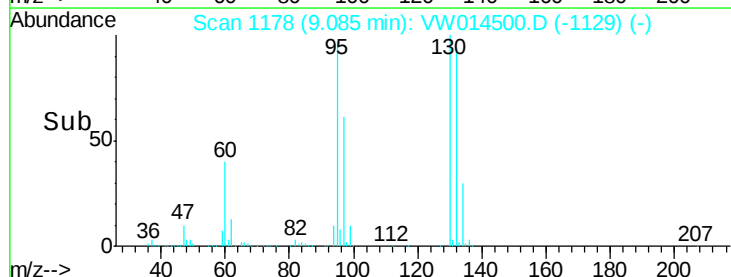
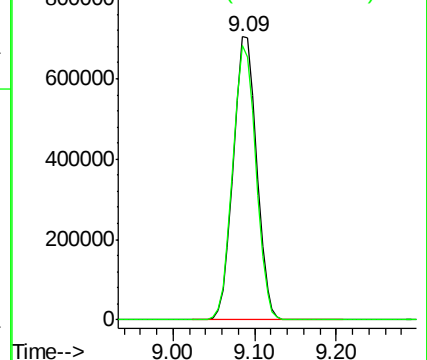
Ion Ratio Lower Upper

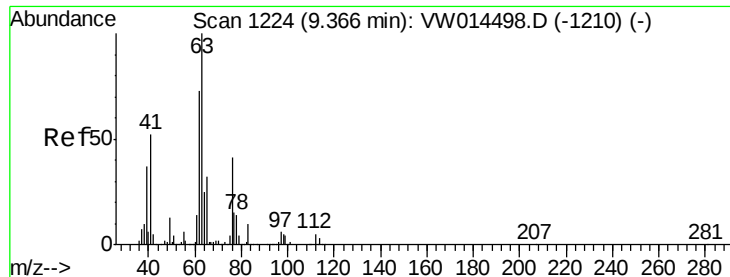
130 100

95 96.9 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 144.333 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 1235258

Ion Ratio Lower Upper

63 100

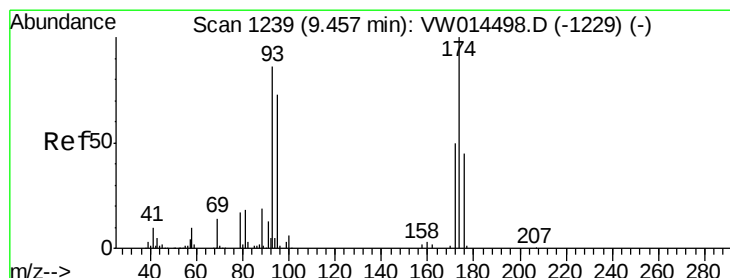
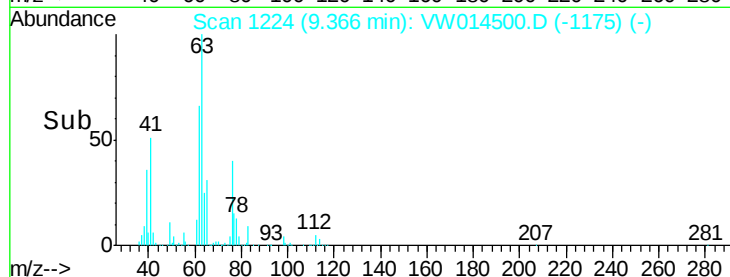
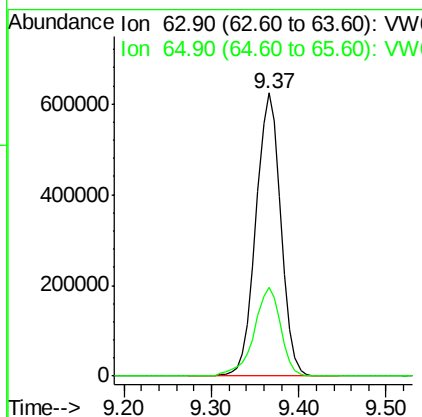
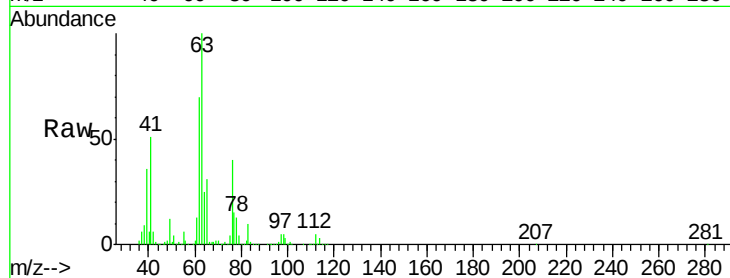
65 31.4 25.6 38.4

Manual Integrations

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#46

Dibromomethane

Concen: 143.949 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

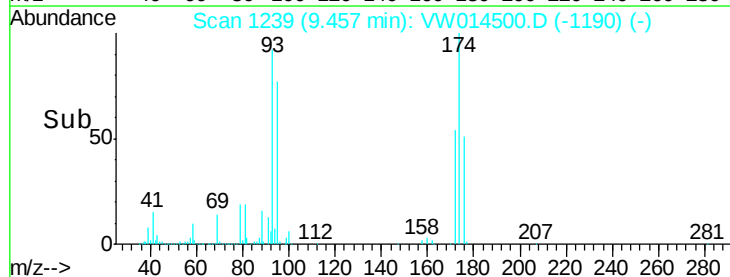
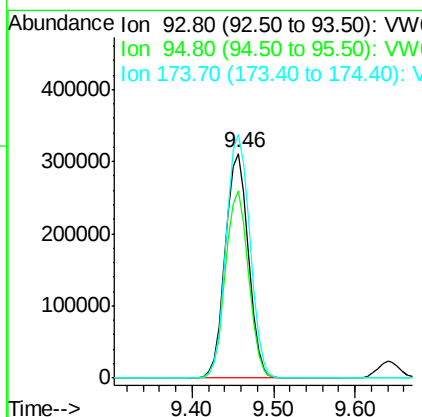
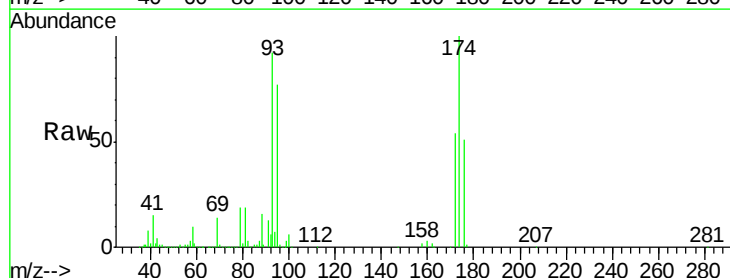
Tgt Ion: 93 Resp: 607333

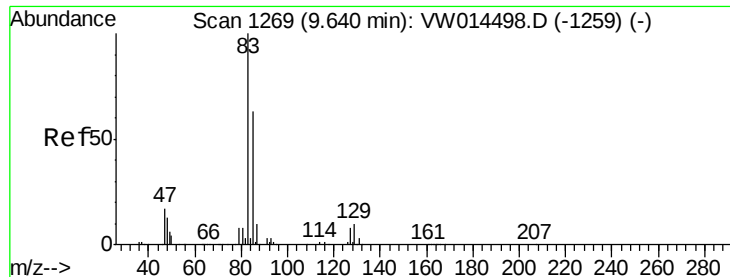
Ion Ratio Lower Upper

93 100

95 83.4 66.4 99.6

174 110.8 89.1 133.7





#47

Bromodichloromethane

Concen: 146.135 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1561314

Ion Ratio Lower Upper

83 100

85 64.4 50.6 76.0

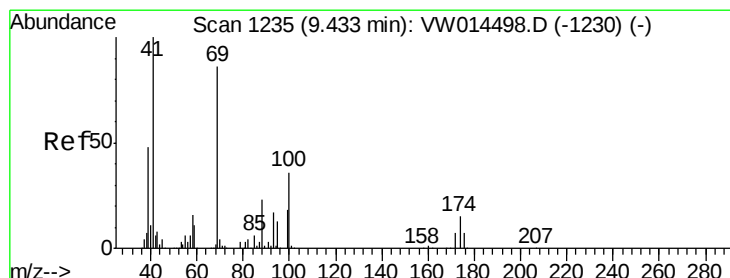
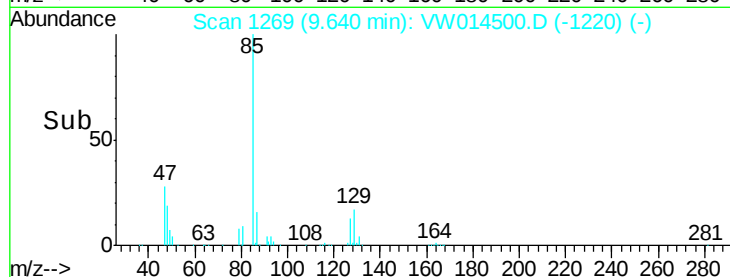
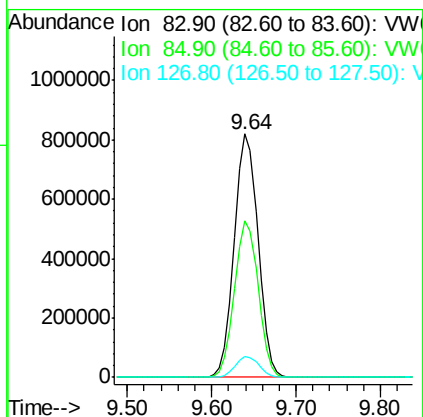
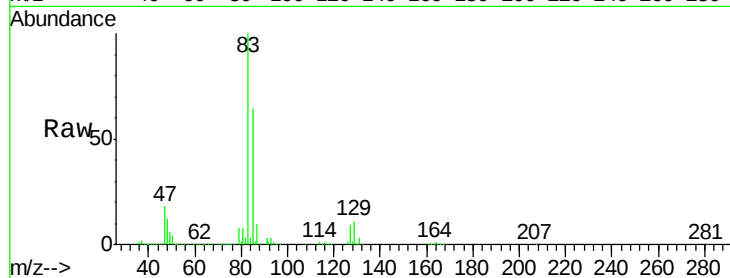
127 8.7 6.6 9.8

Manual Integrations

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#48

Methyl methacrylate

Concen: 153.997 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

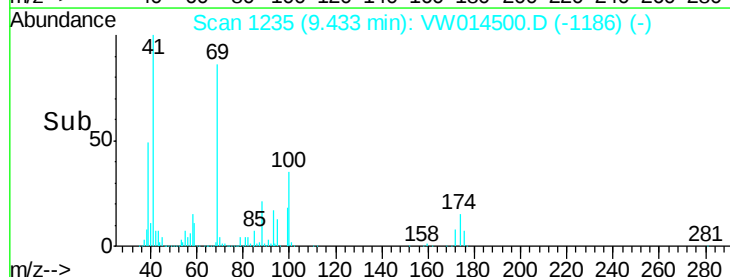
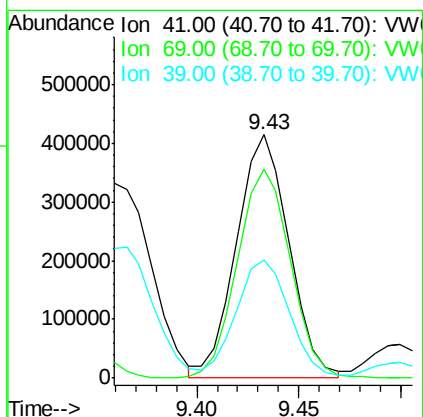
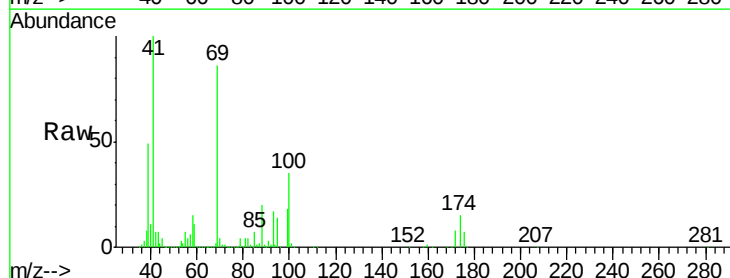
Tgt Ion: 41 Resp: 740576

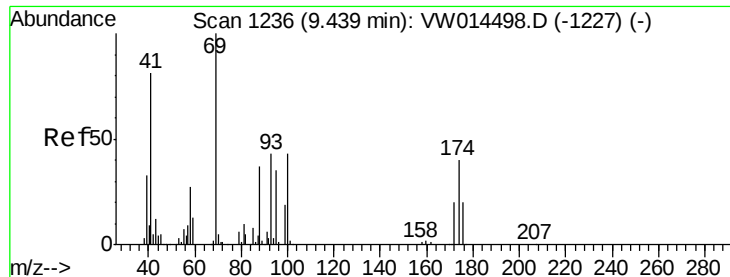
Ion Ratio Lower Upper

41 100

69 87.2 68.3 102.5

39 46.8 36.8 55.2





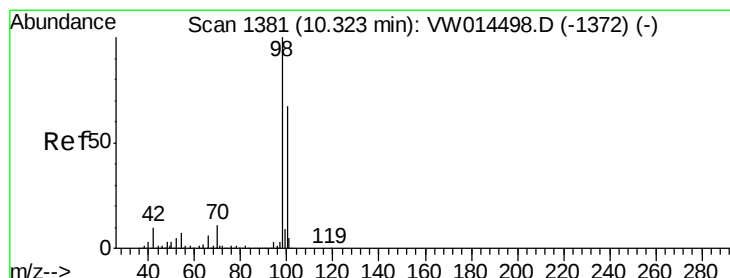
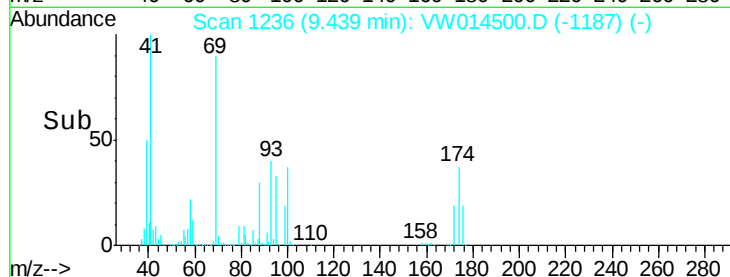
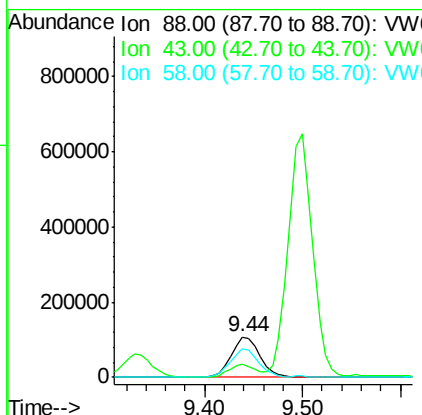
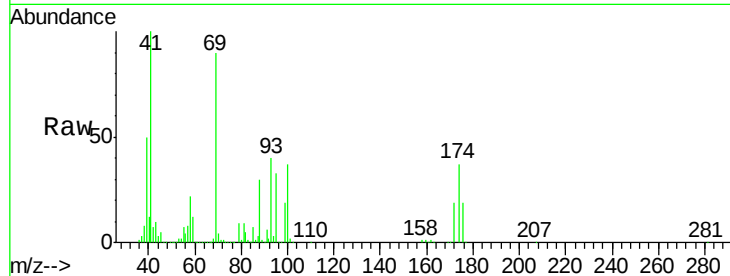
#49
1,4-Dioxane
Concen: 3086.999 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	24.9	37.3
58	70.8	56.9	85.3

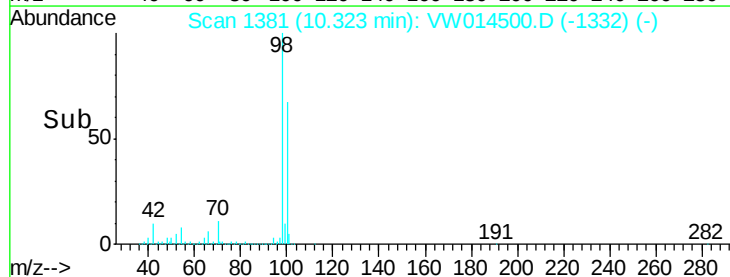
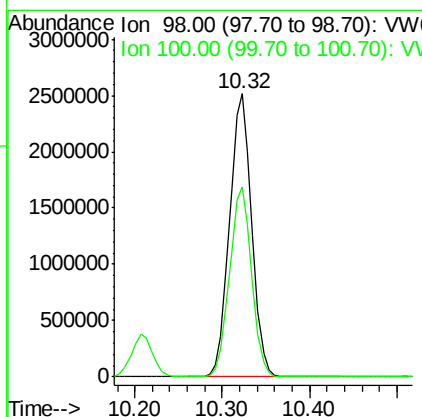
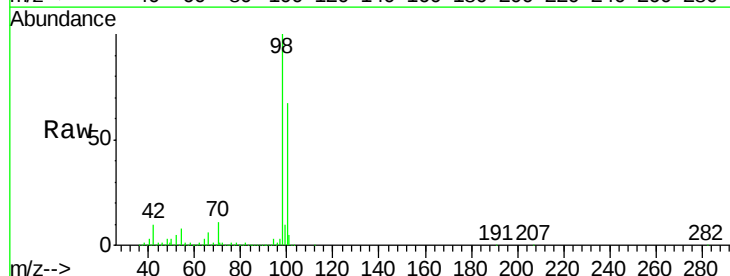
Manual Integrations
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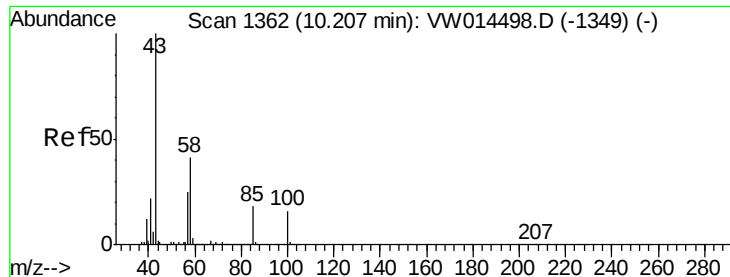
apatel
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#50
Toluene-d8
Concen: 145.763 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 751.961 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3737117

Ion Ratio Lower Upper

43 100

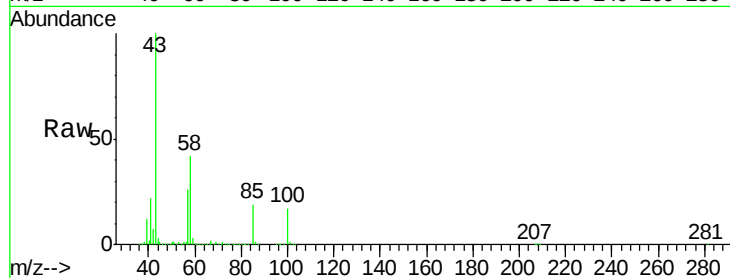
58 41.5 32.7 49.1

Manual Integrations

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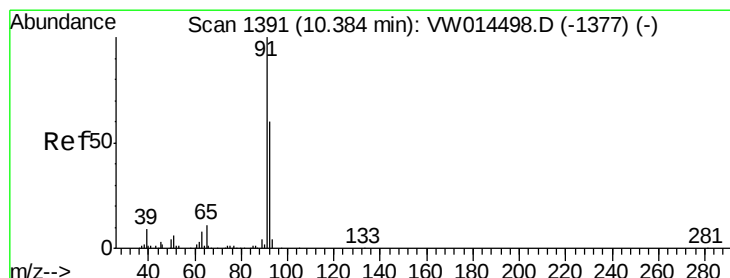
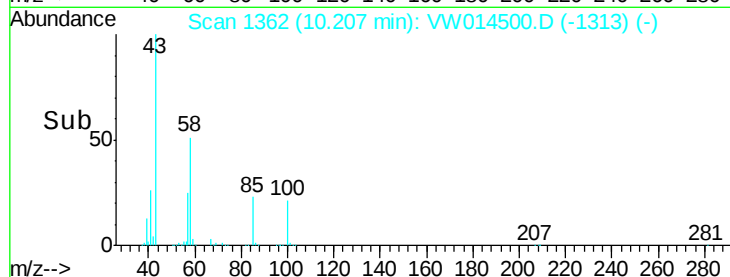
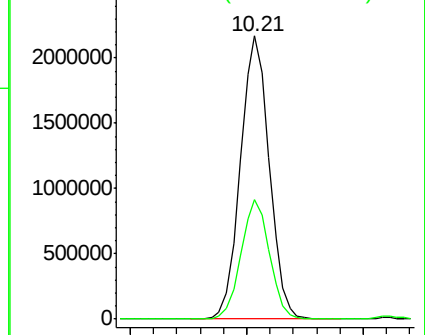
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 140.715 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014500.D

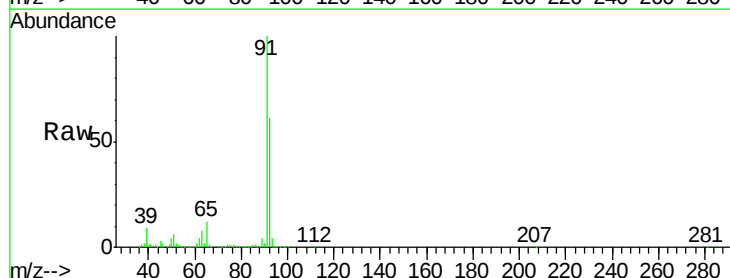
Acq: 03 Jan 2020 15:40

Tgt Ion: 92 Resp: 3211684

Ion Ratio Lower Upper

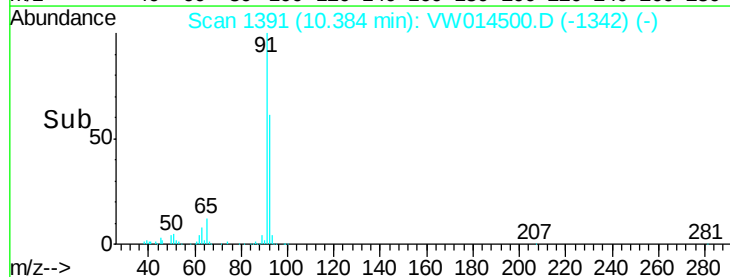
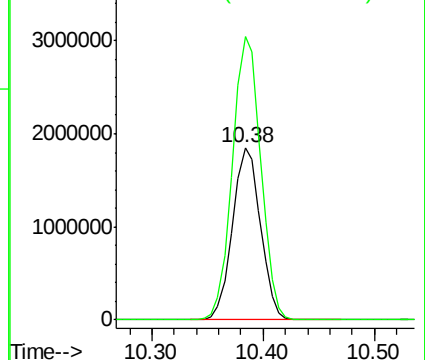
92 100

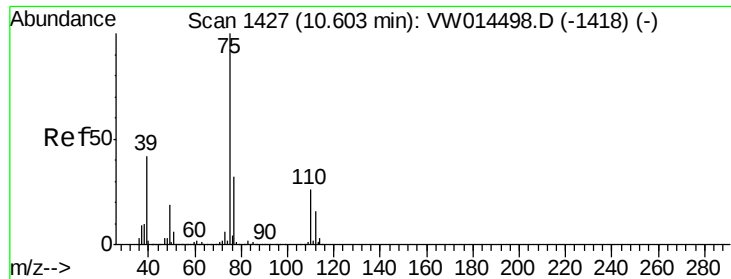
91 166.9 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 151.815 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 1660390

Ion Ratio Lower Upper

75 100

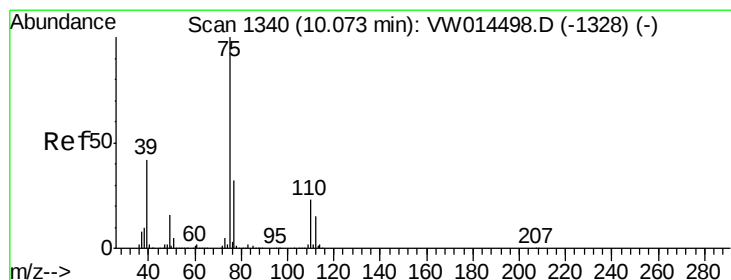
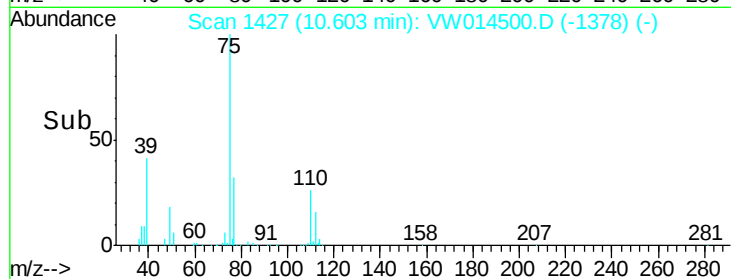
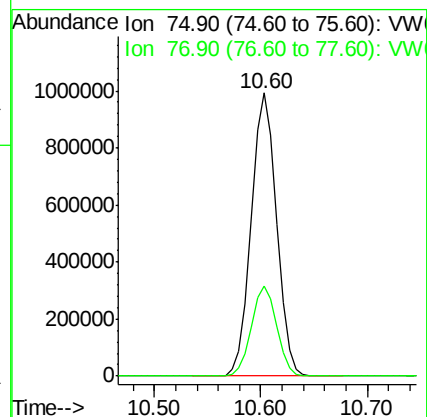
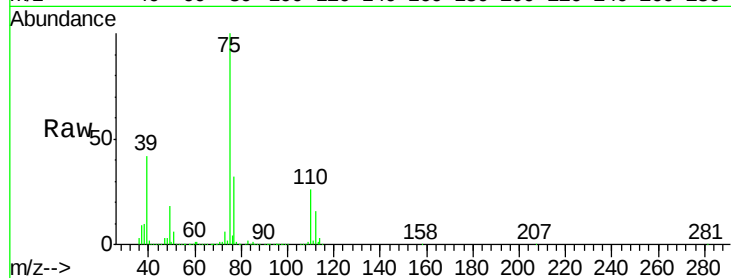
77 31.9 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 149.634 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

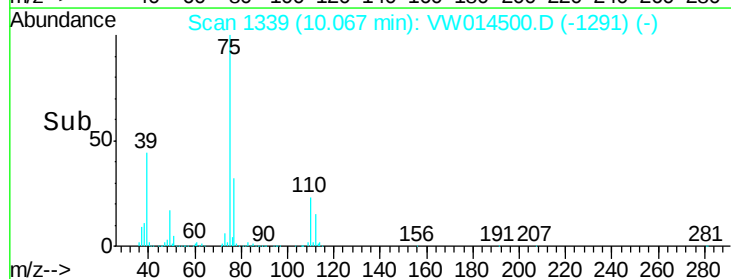
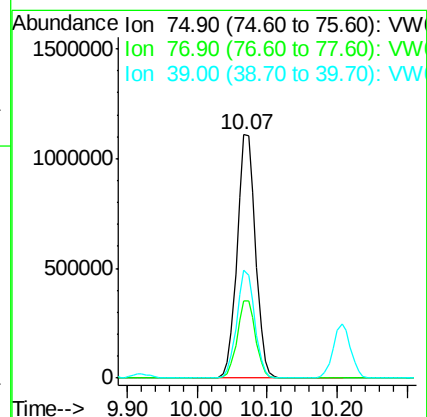
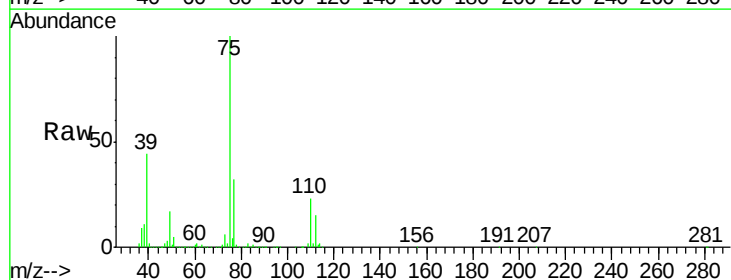
Tgt Ion: 75 Resp: 2007369

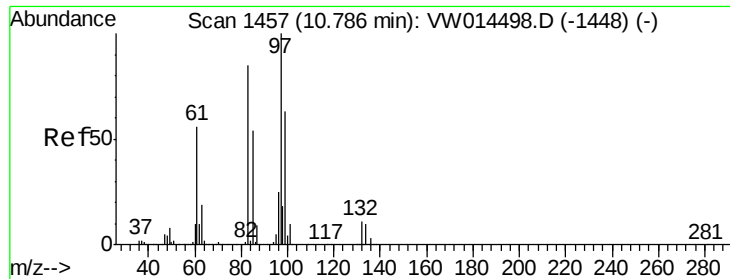
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 44.2 33.4 50.2





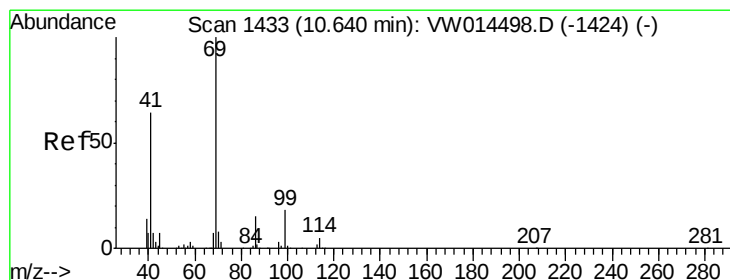
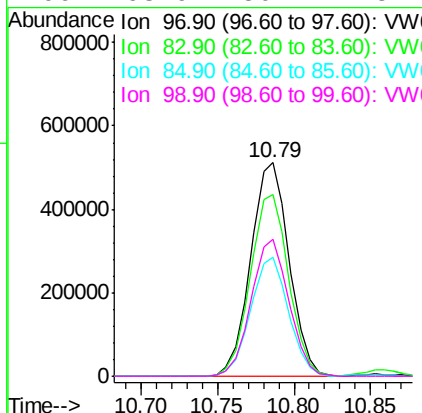
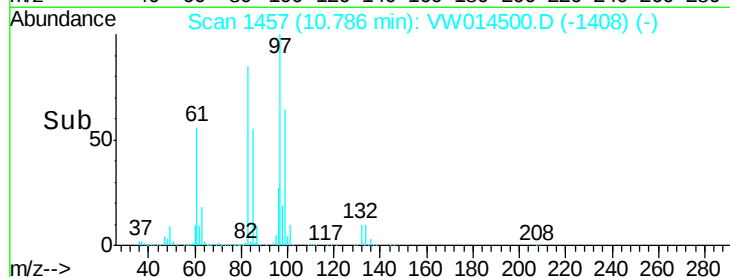
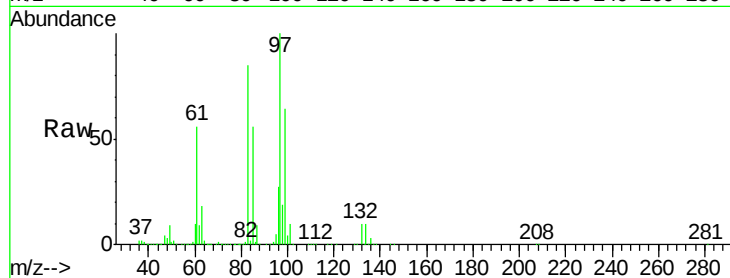
#55
 1,1,2-Trichloroethane
 Concen: 142.681 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	893062
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.4
85	55.5	43.0	64.4
99	63.9	50.1	75.1

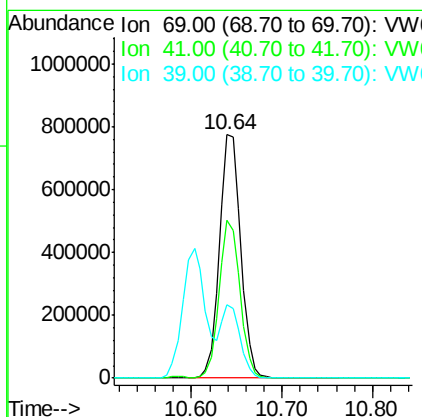
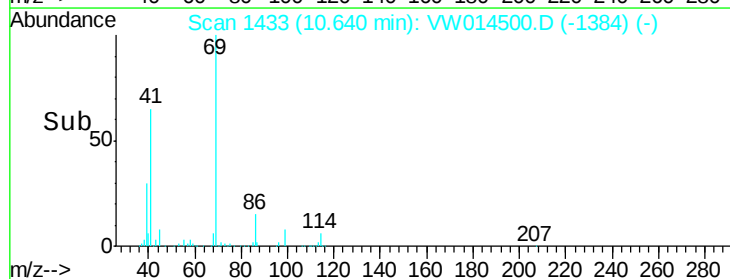
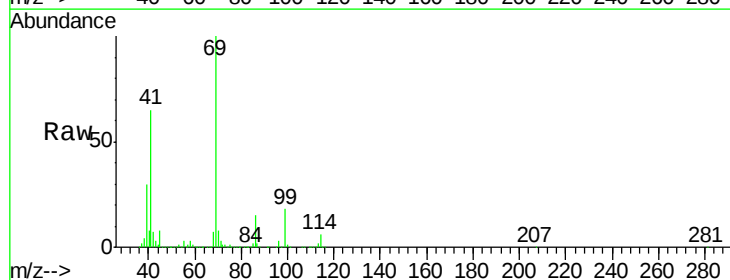
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#56
 Ethyl methacrylate
 Concen: 158.336 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion:	69	Resp:	1268138
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.3	76.9
39	26.3	21.0	31.6





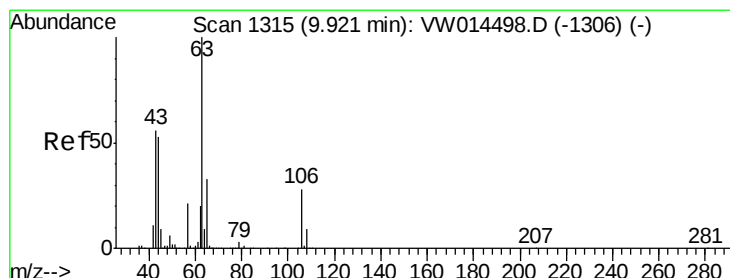
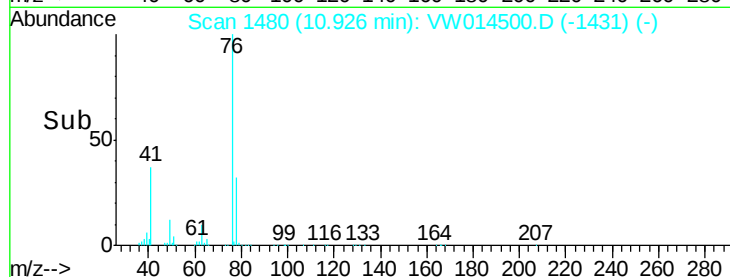
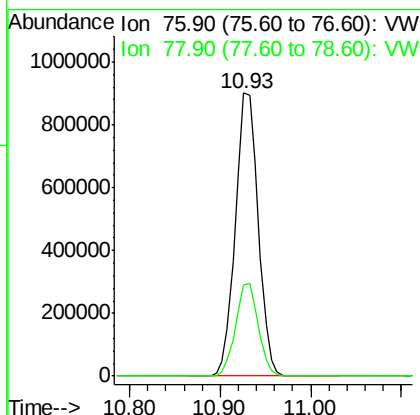
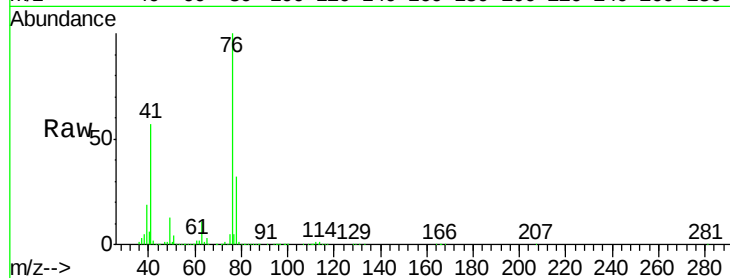
#57
 1,3-Dichloropropane
 Concen: 146.173 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion: 76 Resp: 1577684
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9

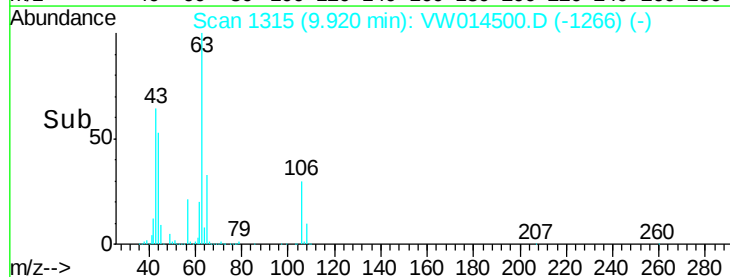
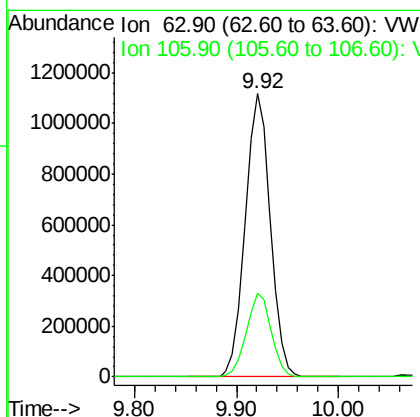
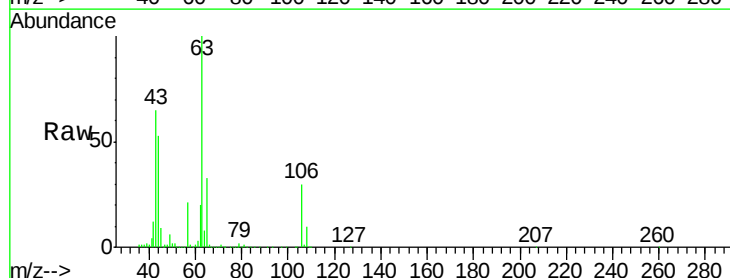
Manual Integrations
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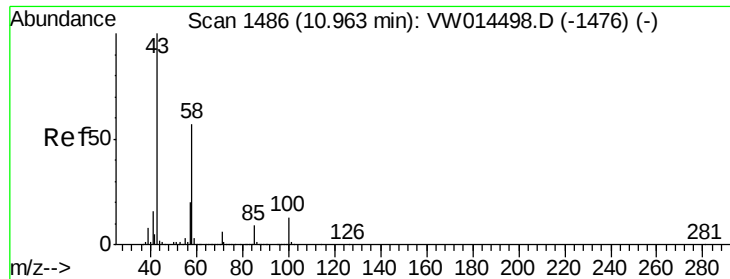
apatel
 1/6/2020 10:43:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 586.342 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion: 63 Resp: 1912686
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.0 34.6





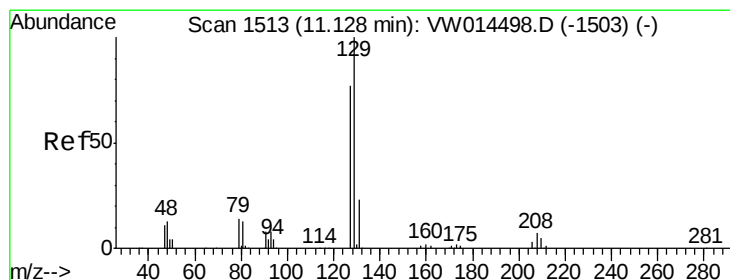
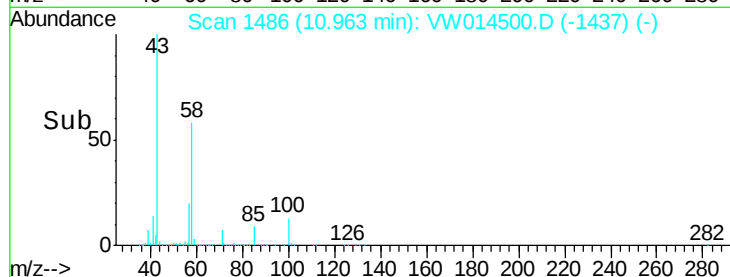
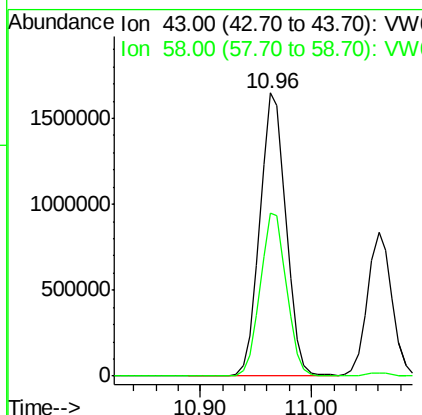
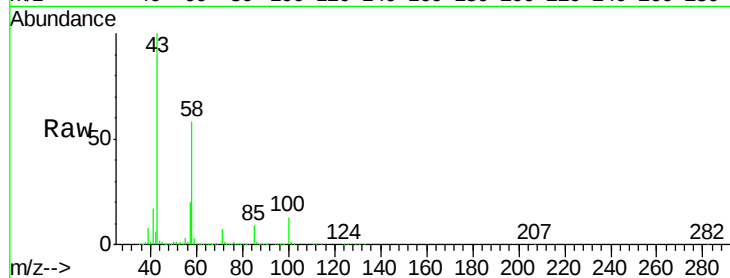
#59
2-Hexanone
Concen: 792.446 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 2711254
Ion Ratio Lower Upper
43 100
58 57.9 28.7 86.3

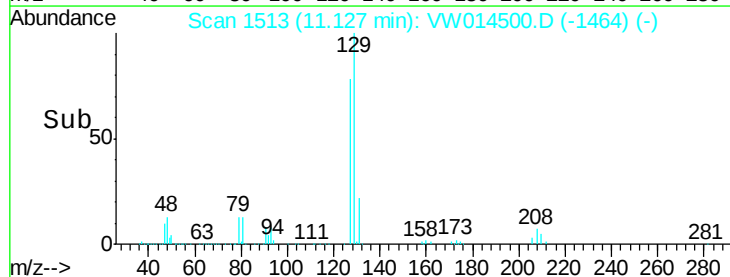
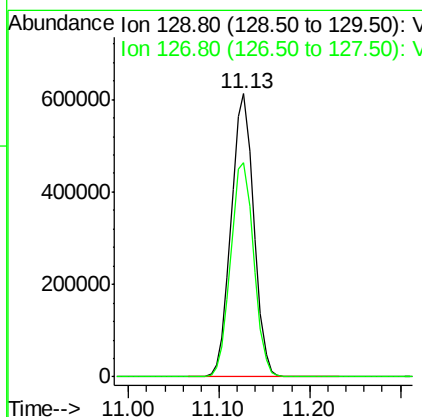
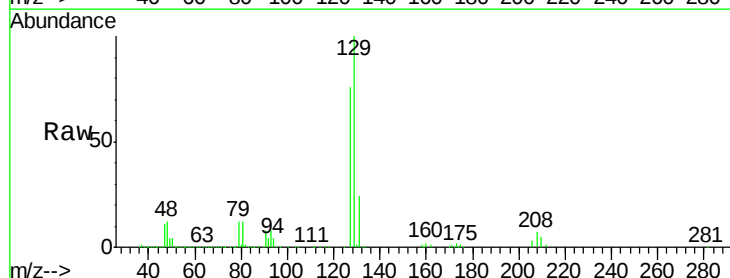
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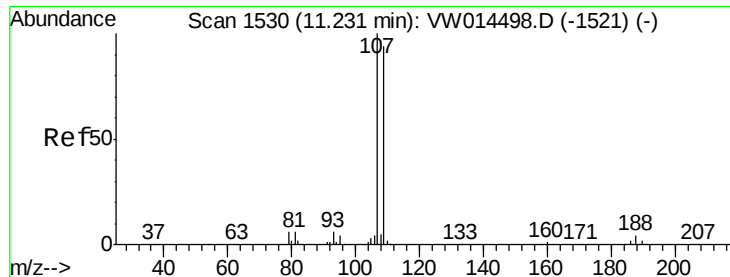
apatel
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#60
Dibromochloromethane
Concen: 145.688 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 129 Resp: 1060465
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.5





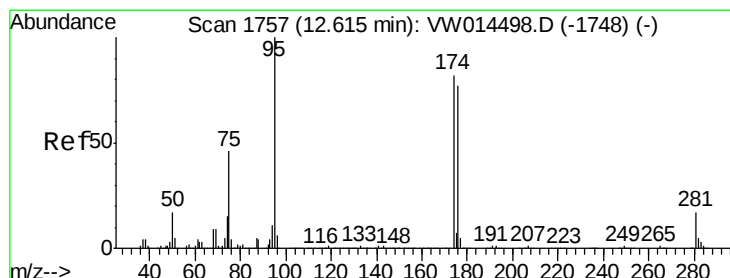
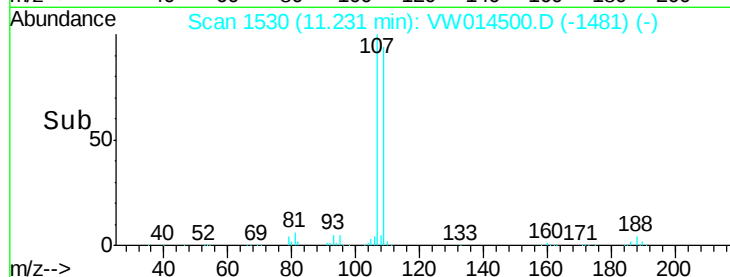
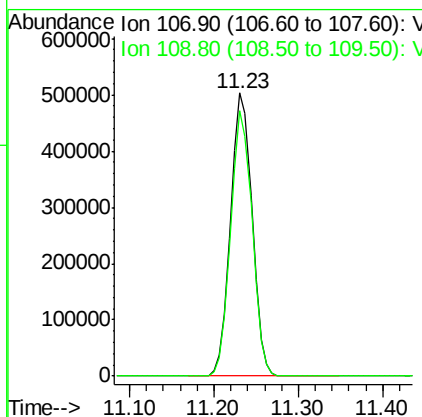
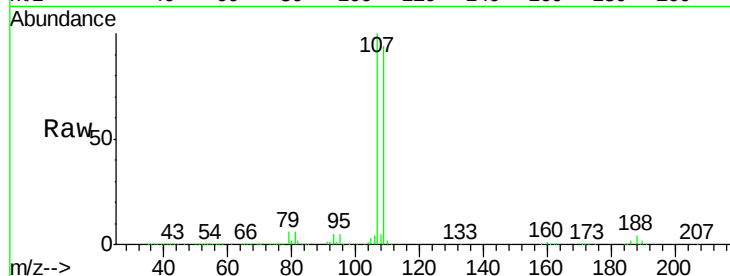
#61
 1,2-Dibromoethane
 Concen: 145.703 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC150

Tot Ion: 107 Resp: 864443
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.1 112.7

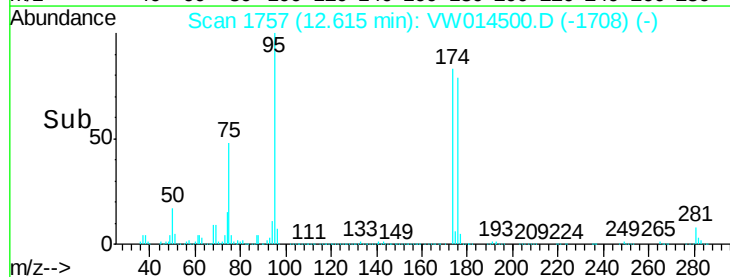
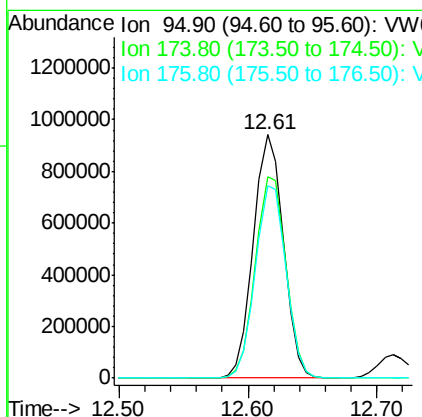
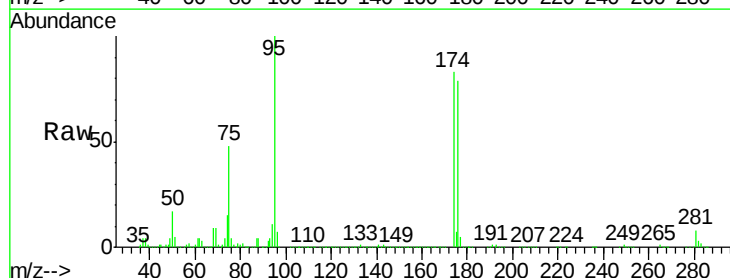
Manual Integrations
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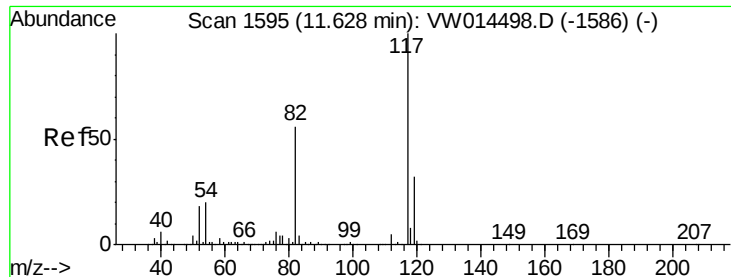
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#62
 4-Bromofluorobenzene
 Concen: 146.723 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion: 95 Resp: 1514585
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 168.6
 176 81.0 0.0 162.0





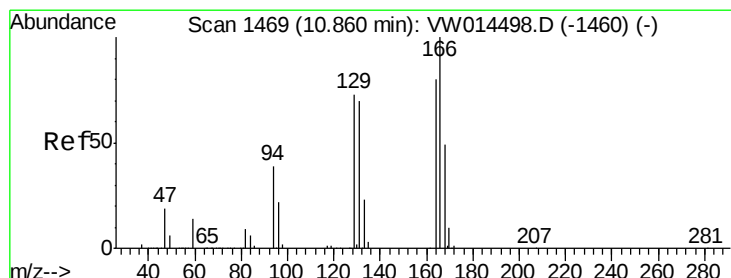
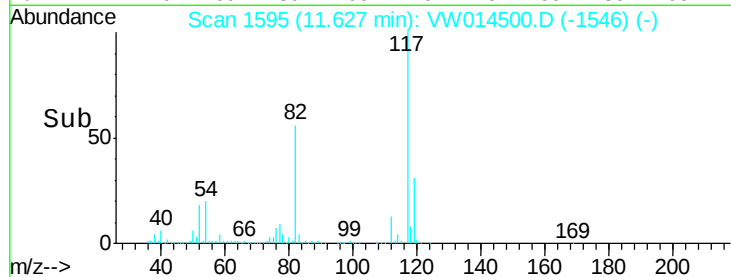
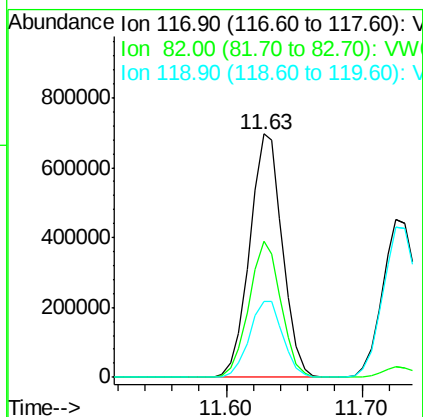
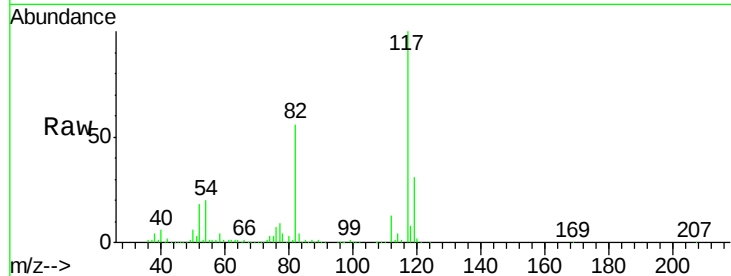
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	67.0
119	31.4	25.7	38.5

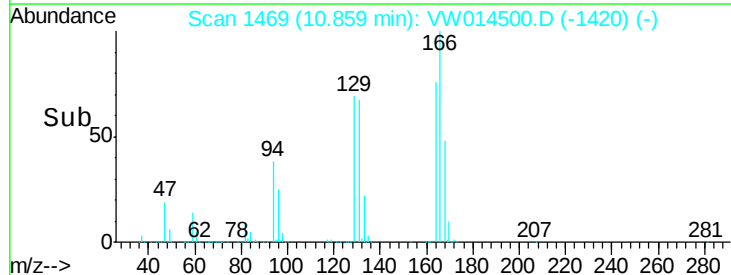
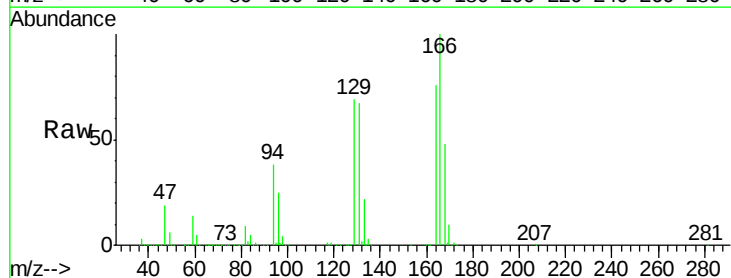
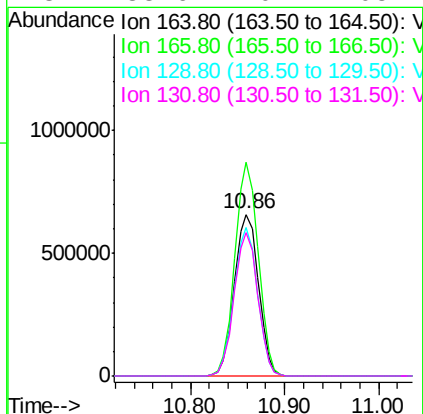
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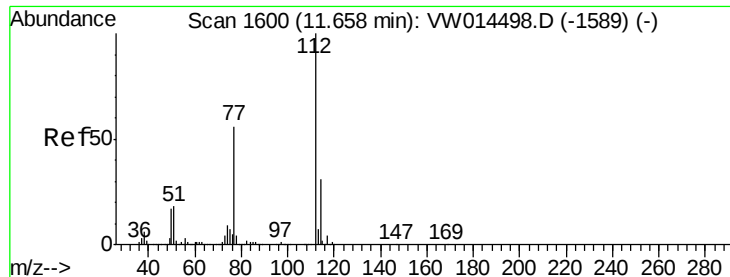
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#64
Tetrachloroethene
Concen: 133.957 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	99.8	149.6
129	91.6	72.4	108.6
131	88.6	70.1	105.1





#65

Chlorobenzene

Concen: 138.282 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 3324468

Ion Ratio Lower Upper

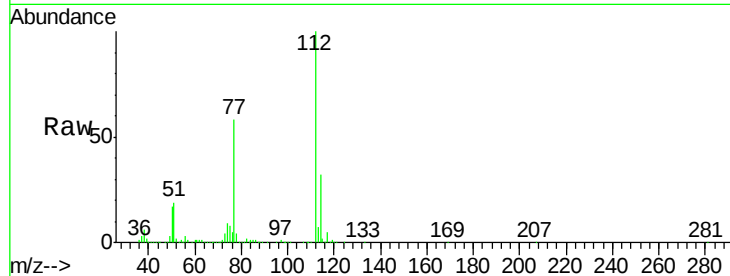
112 100

114 31.5 24.6 37.0

Manual Integrations
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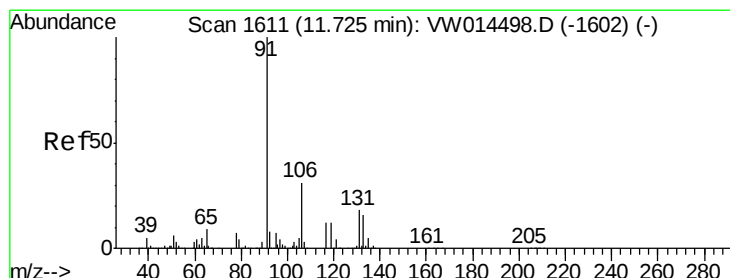
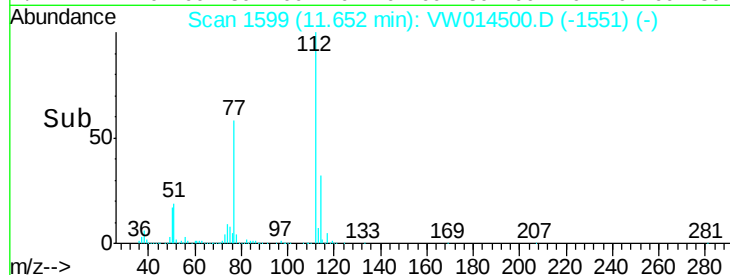
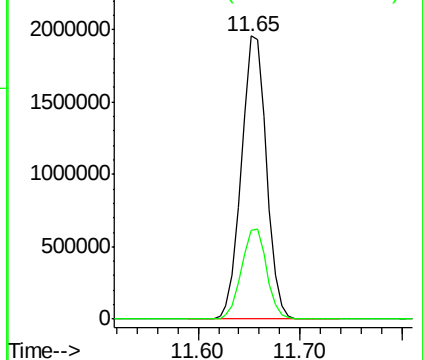
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 138.994 ug/l

RT: 11.72 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

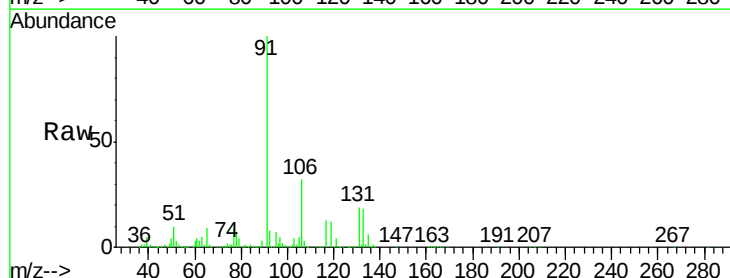
Tgt Ion:131 Resp: 1150274

Ion Ratio Lower Upper

131 100

133 95.1 47.3 142.0

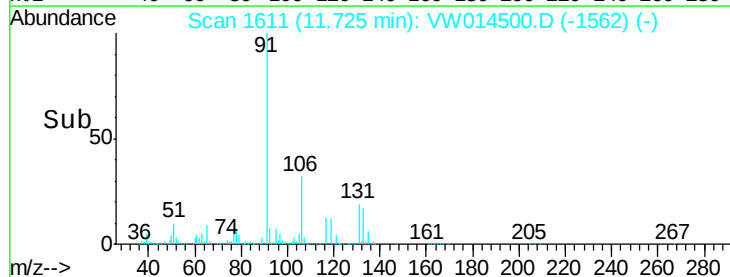
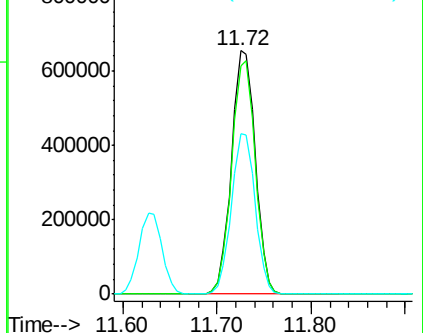
119 65.8 33.1 99.3

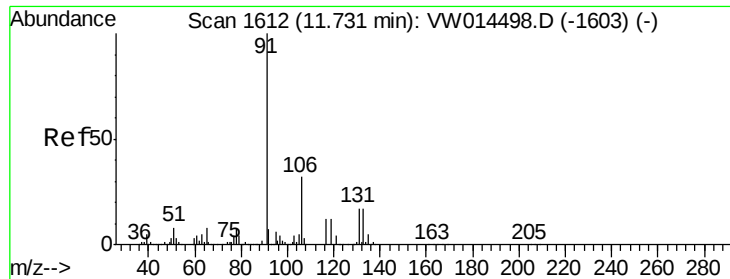


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





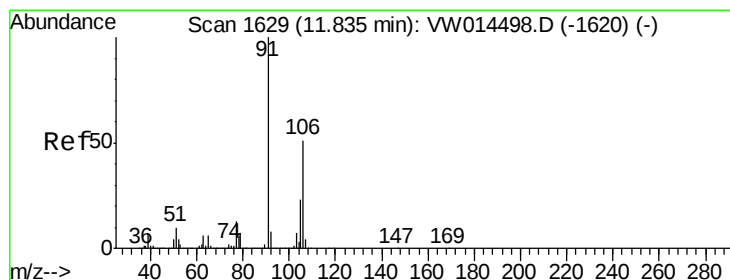
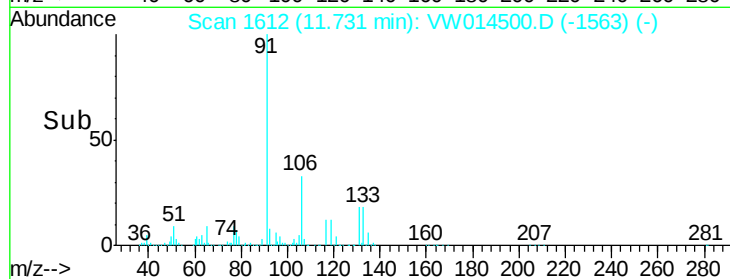
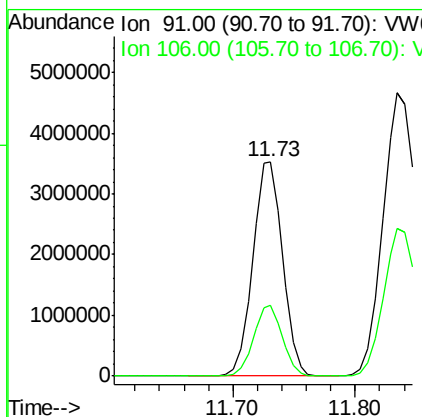
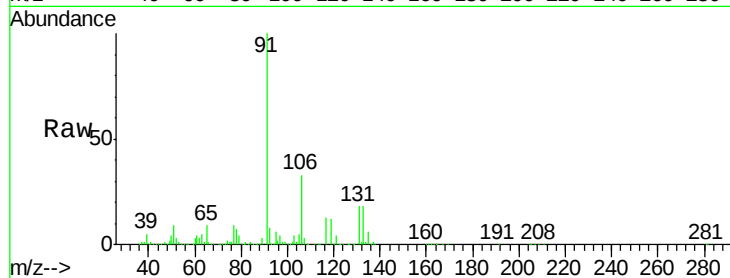
#67
Ethyl Benzene
Concen: 137.578 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 5963315
Ion Ratio Lower Upper
91 100
106 33.2 25.5 38.3

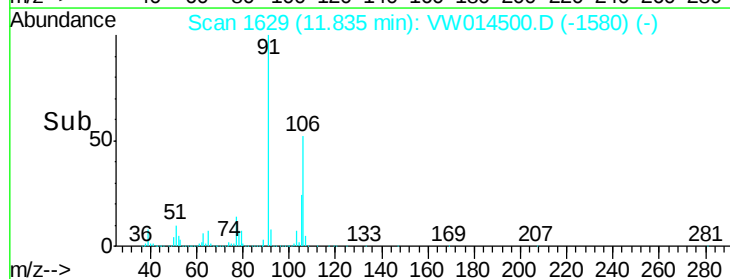
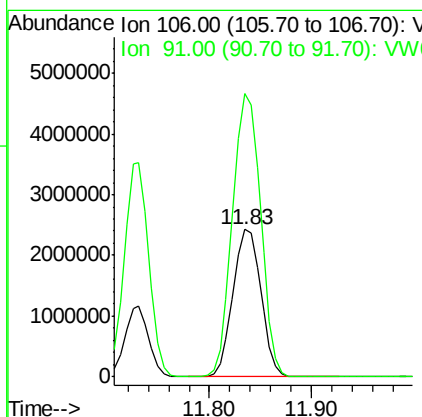
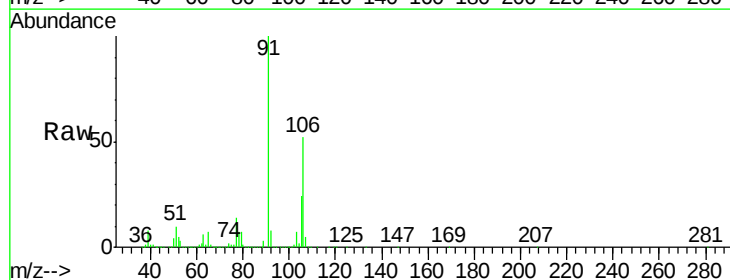
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#68
m/p-Xylenes
Concen: 275.441 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 106 Resp: 4602291
Ion Ratio Lower Upper
106 100
91 193.6 159.0 238.6





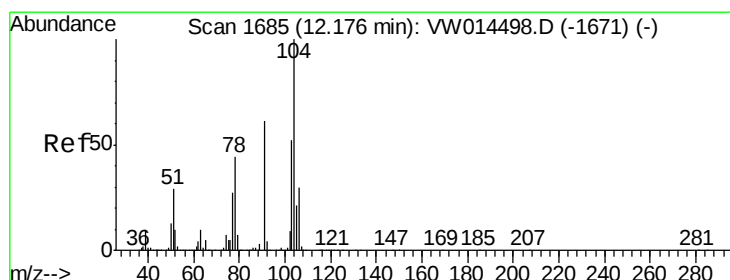
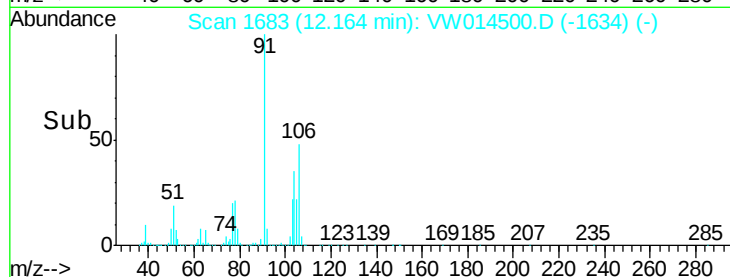
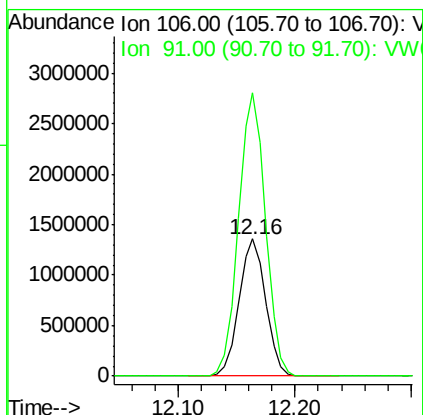
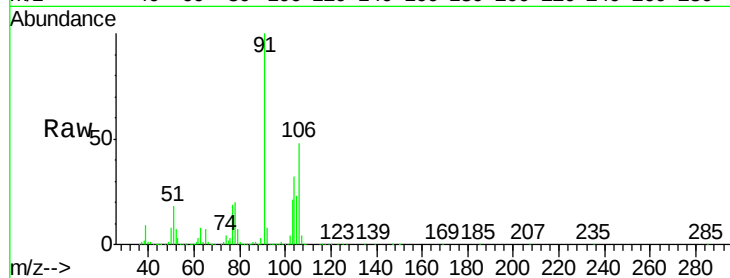
#69
o-Xylene
Concen: 141.213 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 2167960
Ion Ratio Lower Upper
106 100
91 207.9 105.2 315.6

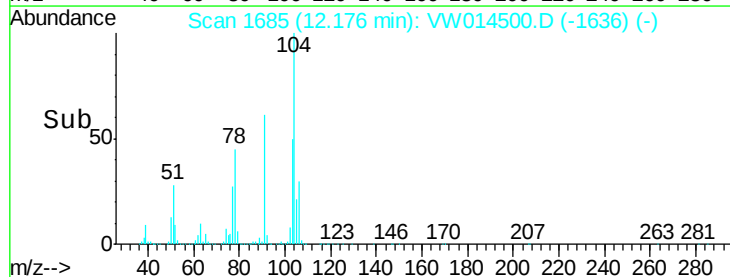
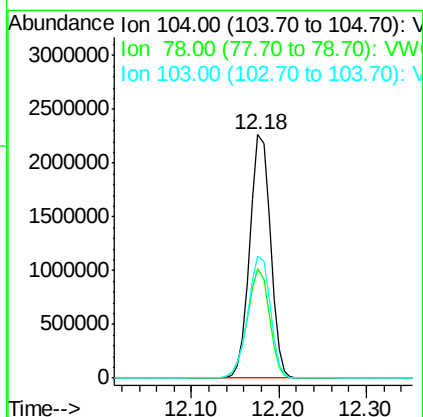
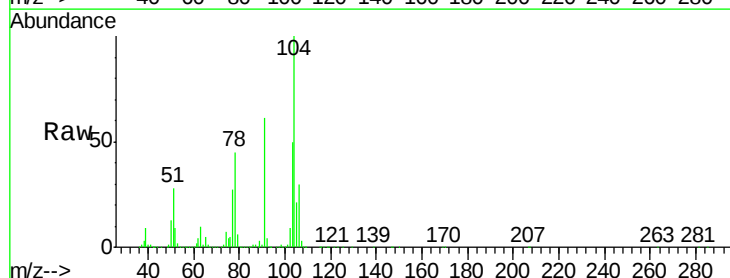
Manual Integrations
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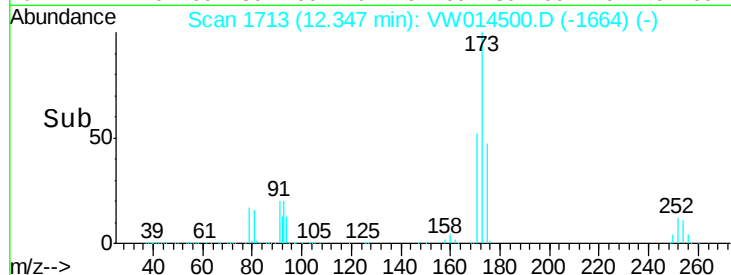
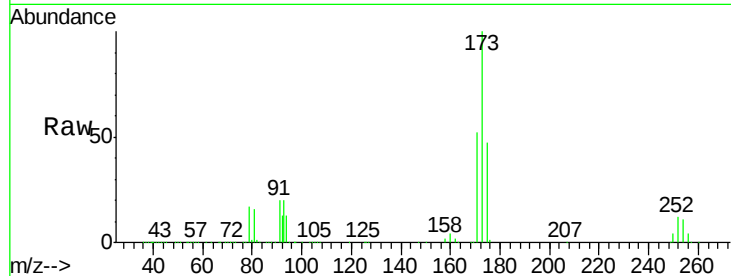
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#70
Styrene
Concen: 141.139 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:104 Resp: 3704391
Ion Ratio Lower Upper
104 100
78 48.1 38.4 57.6
103 54.2 43.7 65.5





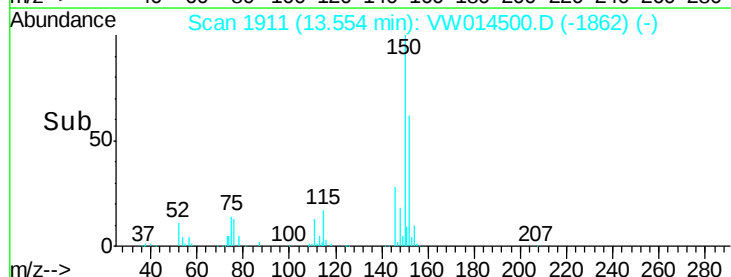
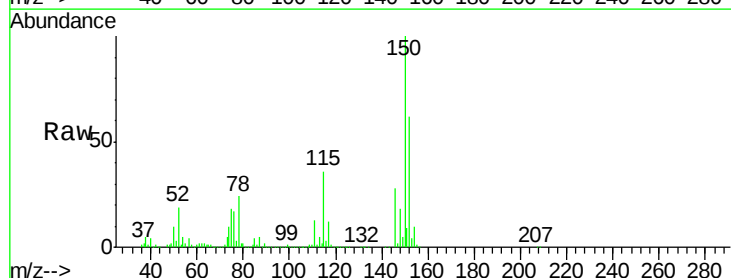
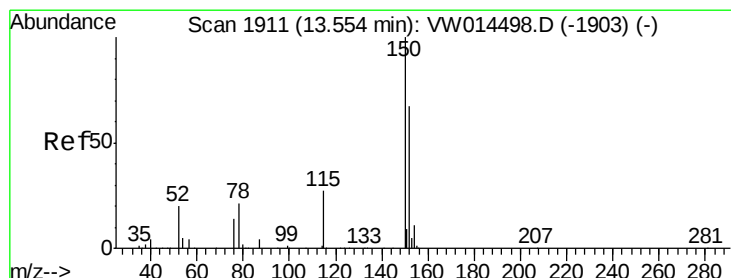
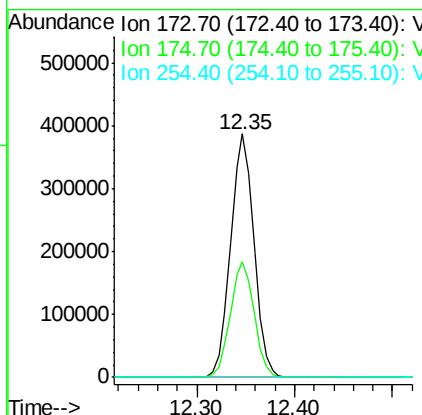
#71
Bromoform
Concen: 143.549 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.5	73.5
254	0.0	0.0	0.0

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

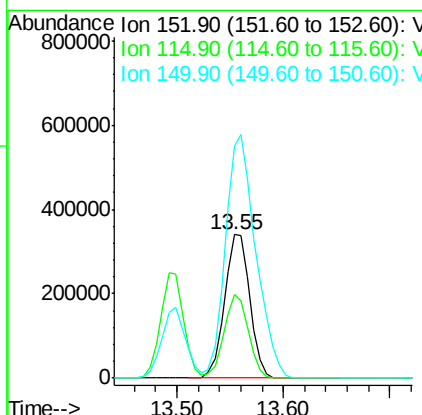
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.7	83.1
150	204.5	0.0	343.4





#73

Isopropylbenzene

Concen: 145.481 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 5904973

Ion Ratio Lower Upper

105 100

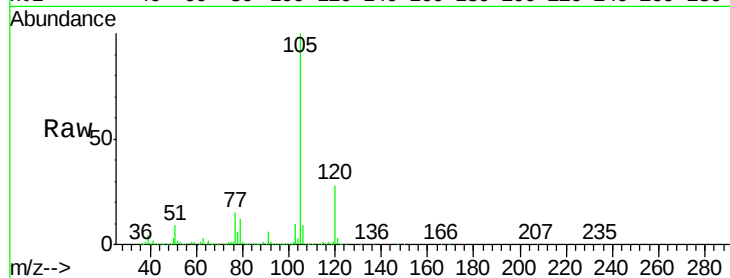
120 27.0 13.4 40.1

Manual Integrations

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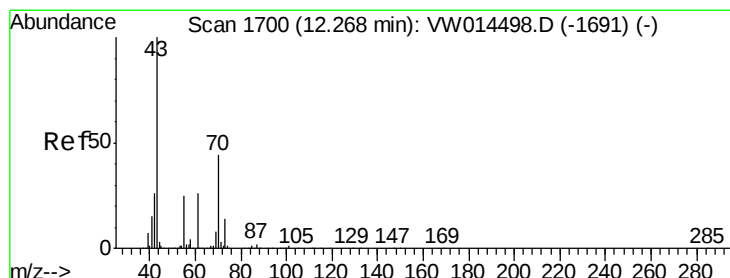
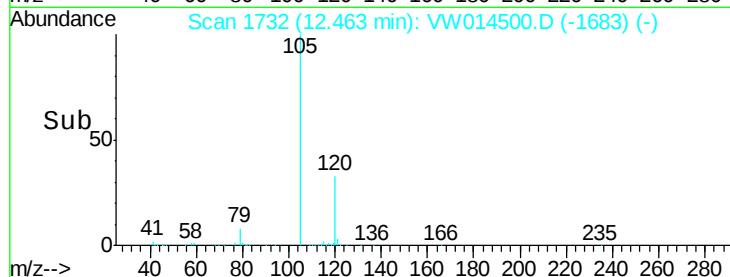
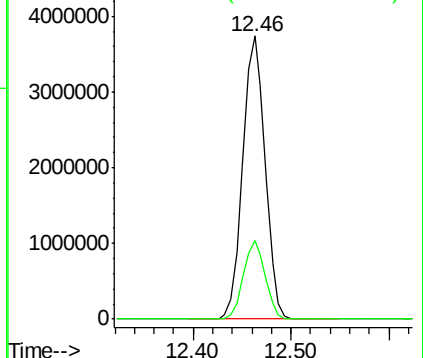
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 161.257 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Tgt Ion: 43 Resp: 1364504

Ion Ratio Lower Upper

43 100

70 46.2 36.5 54.7

55 25.0 20.9 31.3

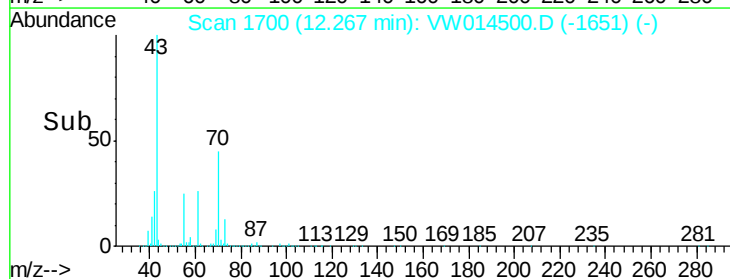
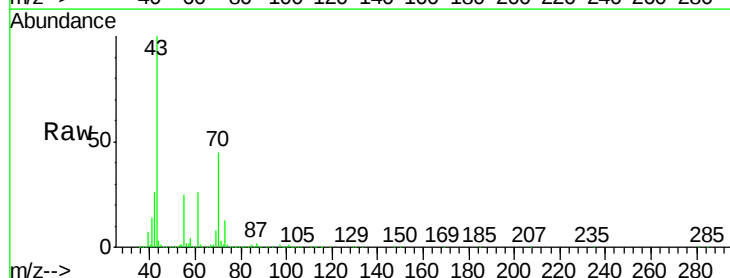
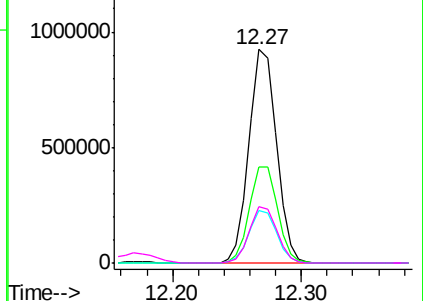
61 26.2 20.7 31.1

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: 148.745 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 83 Resp: 1013488

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

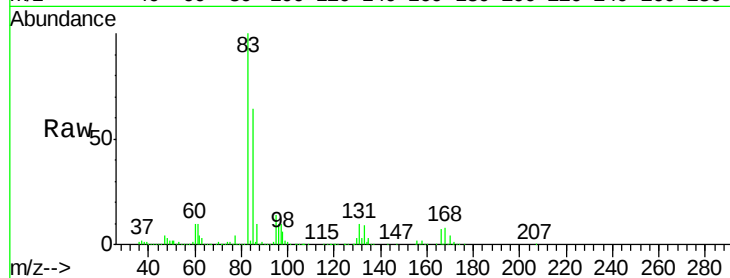
85 64.5 31.9 95.7

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Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW

12.71

600000

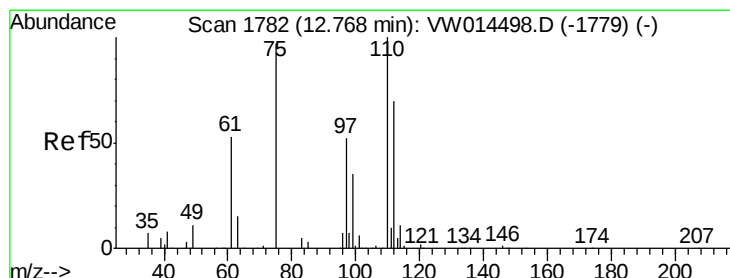
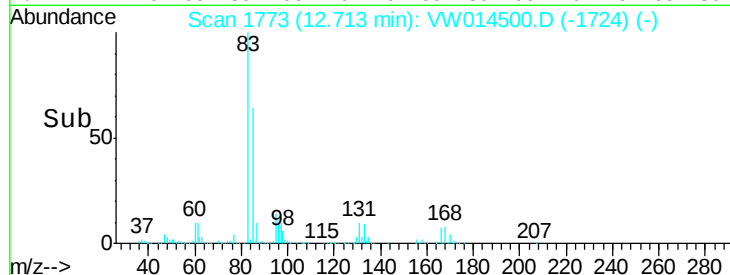
400000

200000

0

12.65 12.70 12.75

Time-->



#76

1,2,3-Trichloropropane

Concen: 136.399 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014500.D

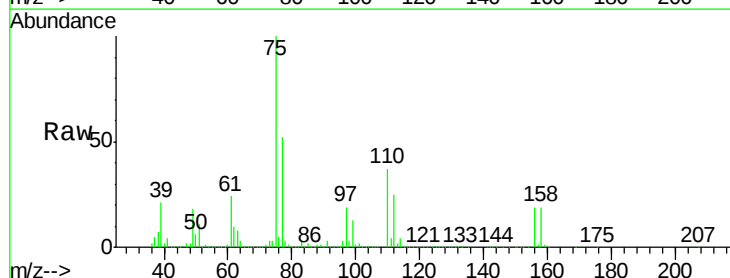
Acq: 03 Jan 2020 15:40

Tgt Ion: 75 Resp: 635266

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

1500000

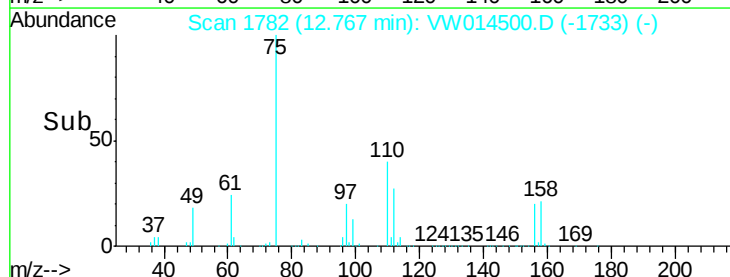
1000000

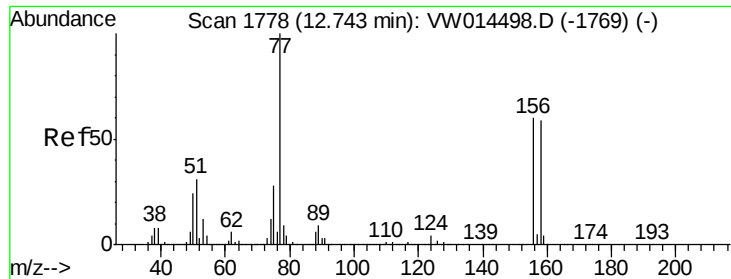
500000

0

12.74 12.76 12.78 12.80

Time-->





#77

Bromobenzene

Concen: 142.499 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1370668

Ion Ratio Lower Upper

156 100

77 180.4 92.3 277.1

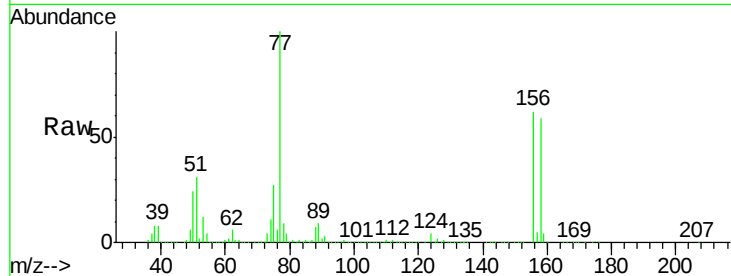
158 97.8 48.6 145.9

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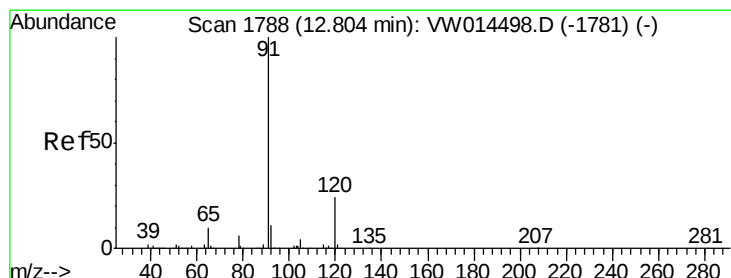
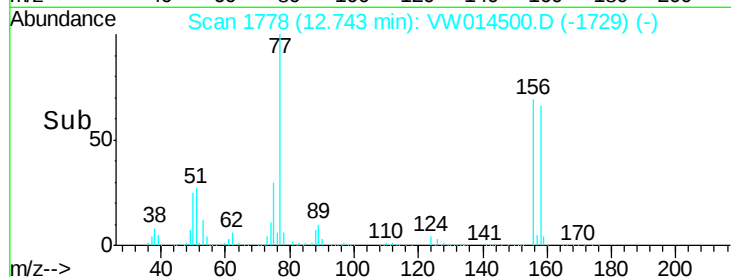
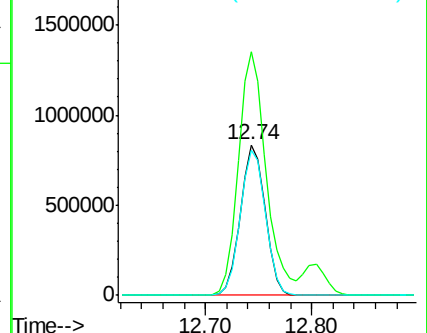
1/6/2020 10:43:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 144.224 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014500.D

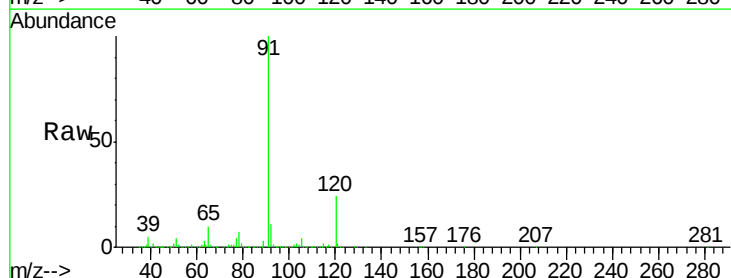
Acq: 03 Jan 2020 15:40

Tgt Ion: 91 Resp: 6824144

Ion Ratio Lower Upper

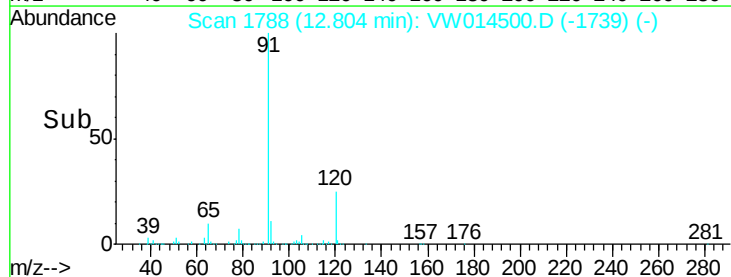
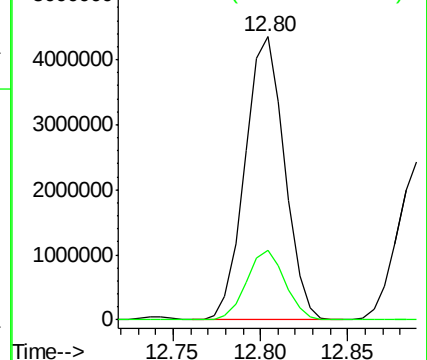
91 100

120 23.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 145.879 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3876698

Ion Ratio Lower Upper

91 100

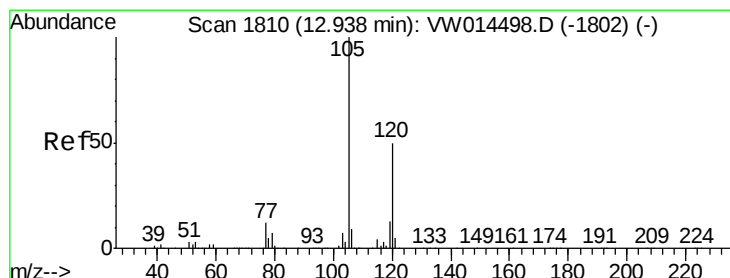
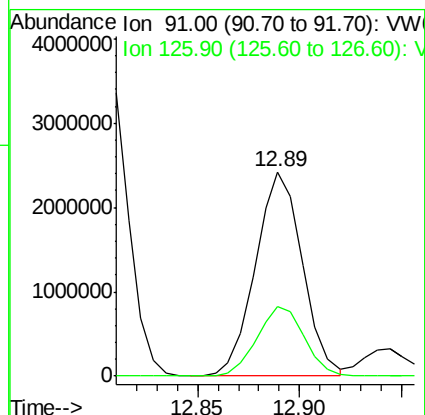
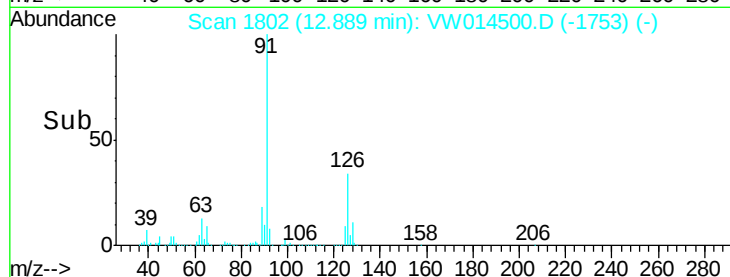
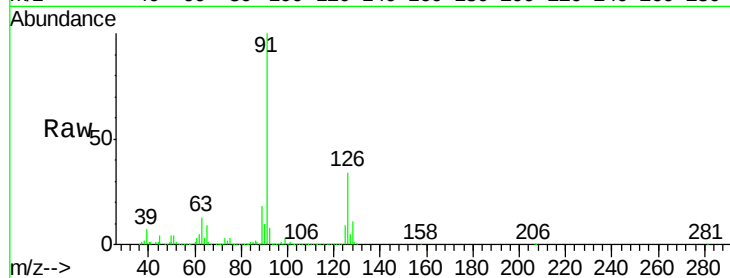
126 34.5 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 142.181 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014500.D

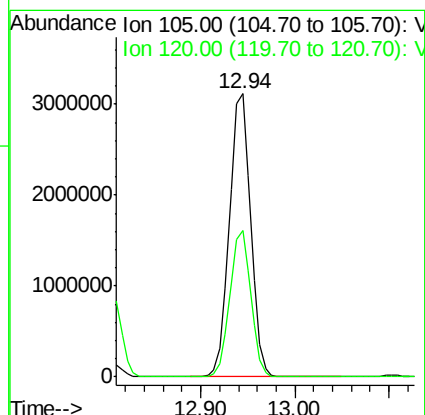
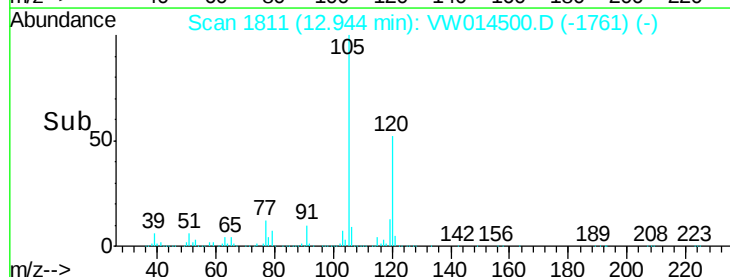
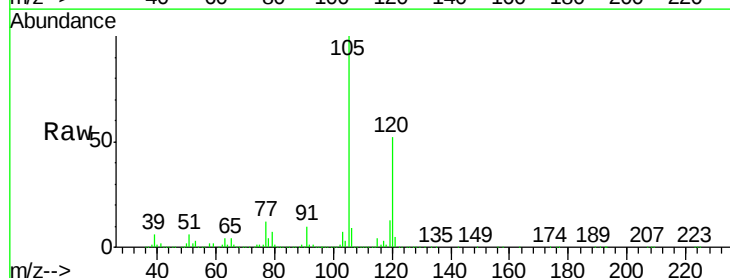
Acq: 03 Jan 2020 15:40

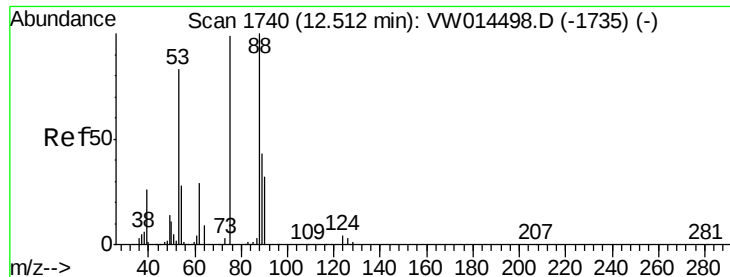
Tgt Ion:105 Resp: 4871516

Ion Ratio Lower Upper

105 100

120 51.2 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 160.022 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

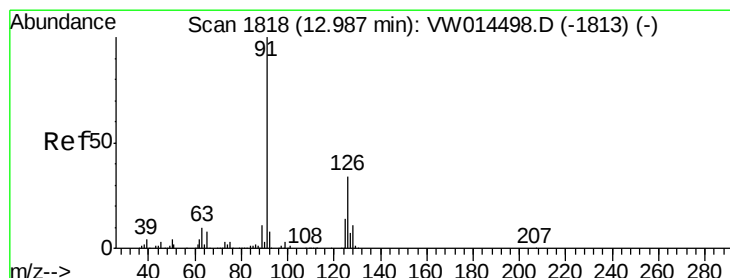
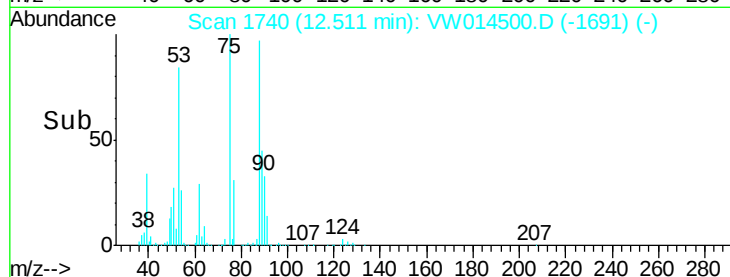
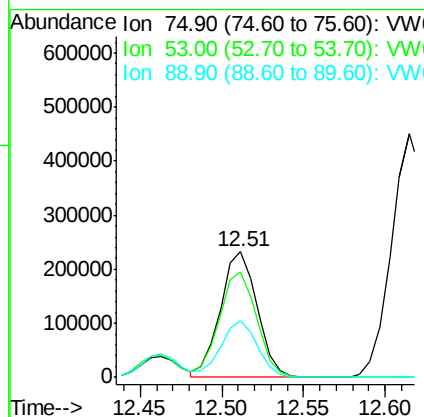
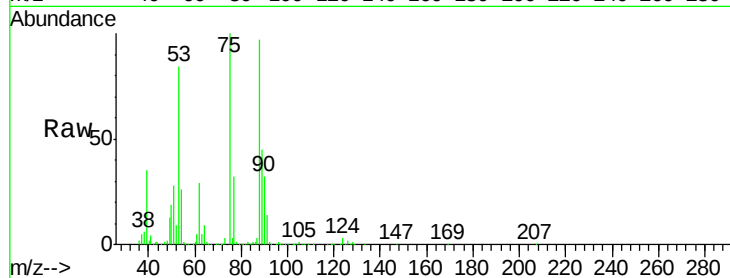
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	363718
Ion	Ratio	Lower	Upper
75	100		
53	85.5	70.9	106.3
89	45.3	35.8	53.8

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#82

4-Chlorotoluene

Concen: 144.504 ug/l

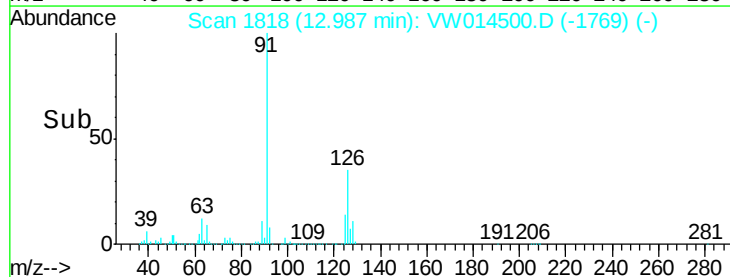
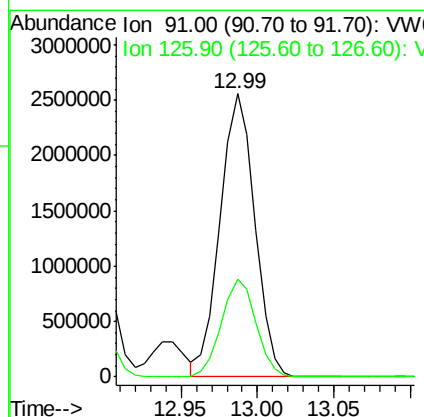
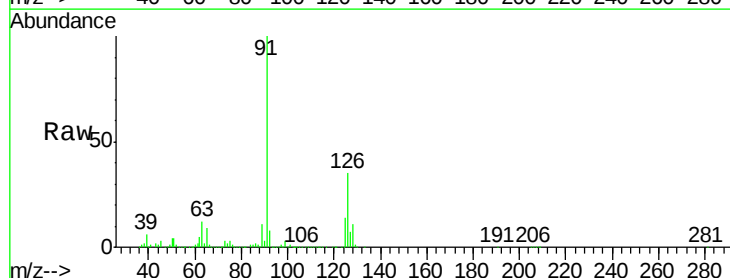
RT: 12.99 min Scan# 1818

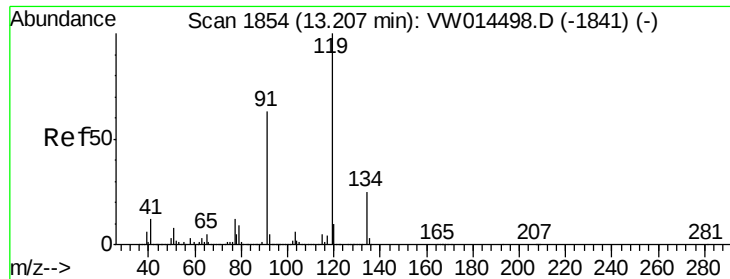
Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Tgt Ion:	91	Resp:	4019394
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.1	51.2





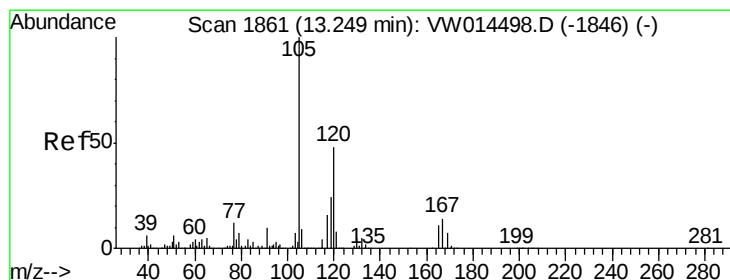
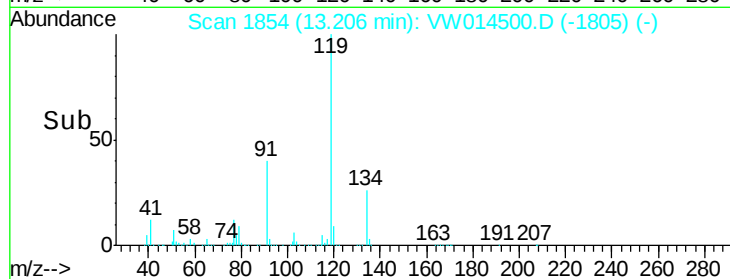
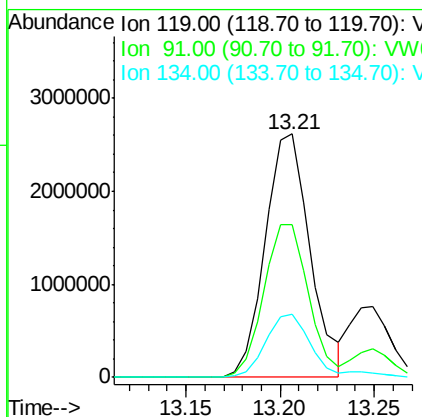
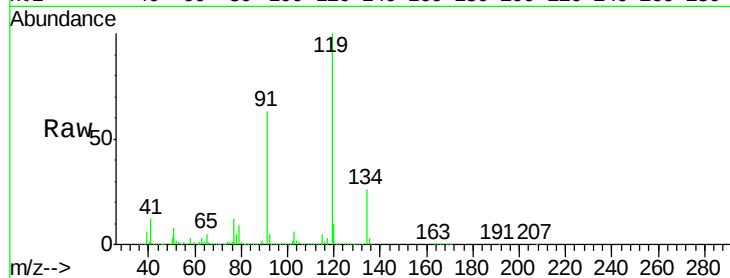
#83
tert-Butylbenzene
Concen: 142.967 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:119 Resp: 4333061
Ion Ratio Lower Upper
119 100
91 62.4 31.1 93.3
134 27.1 13.5 40.5

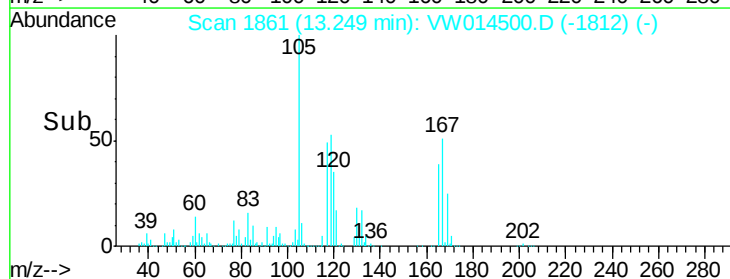
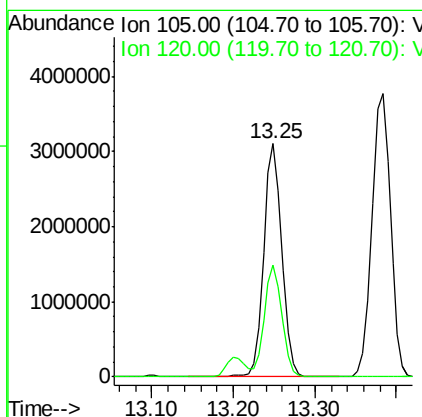
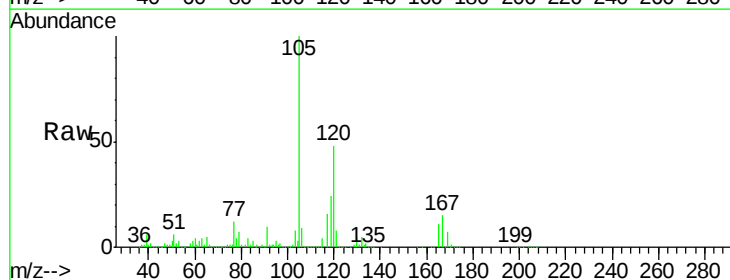
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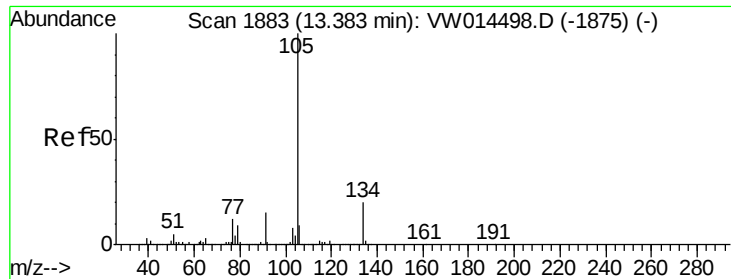
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#84
1,2,4-Trimethylbenzene
Concen: 142.165 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:105 Resp: 4810066
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.0





#85

sec-Butylbenzene

Concen: 142.275 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5920266

Ion Ratio Lower Upper

105 100

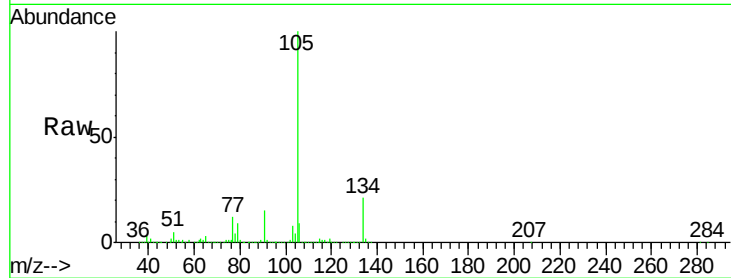
134 20.9 10.2 30.6

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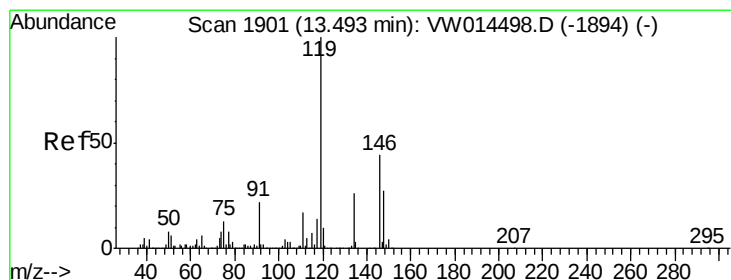
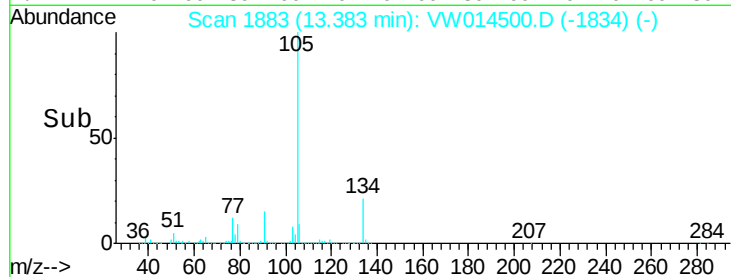
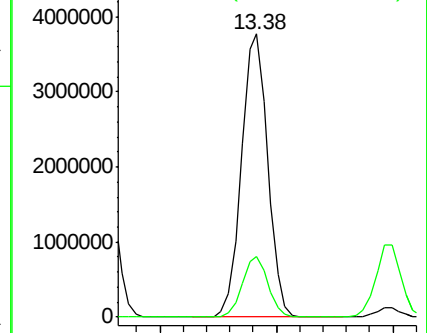
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 141.228 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

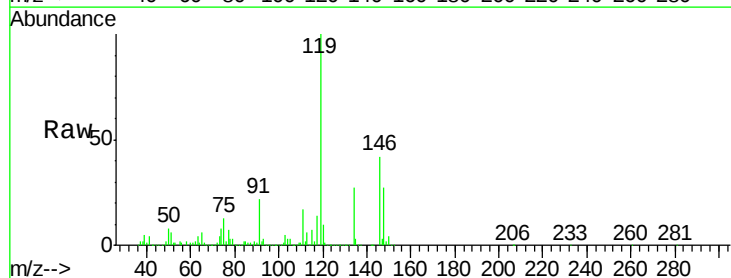
Tgt Ion:119 Resp: 5433157

Ion Ratio Lower Upper

119 100

134 27.0 13.2 39.5

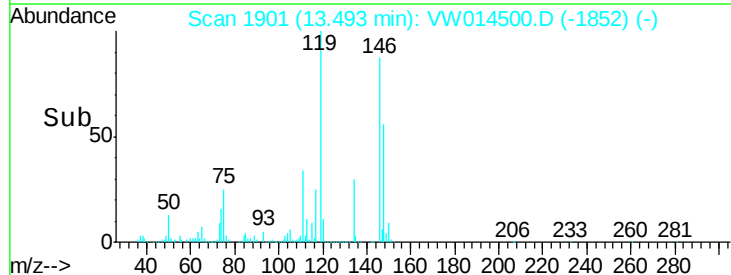
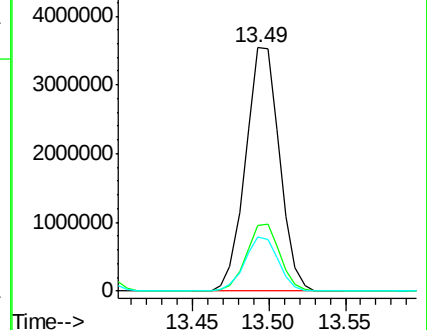
91 22.0 11.1 33.3

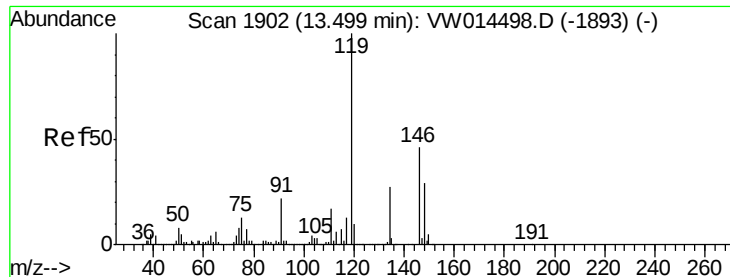


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 139.445 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion:146 Resp: 2599043

Ion Ratio Lower Upper

146 100

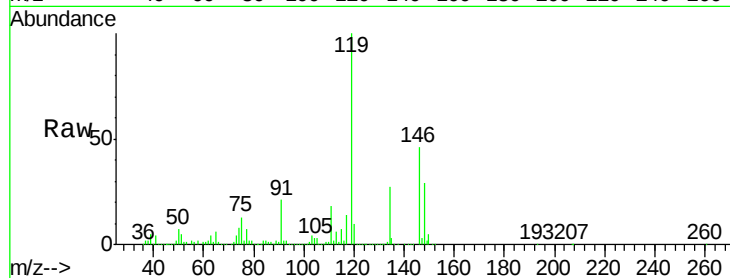
111 38.6 19.3 57.9

148 63.7 31.8 95.4

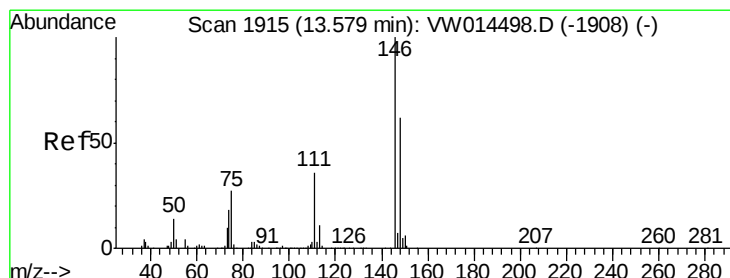
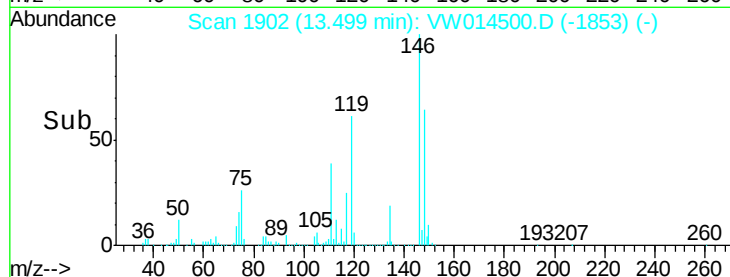
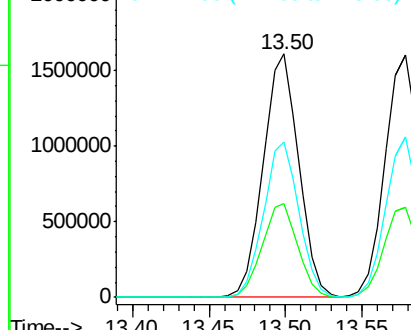
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 137.397 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

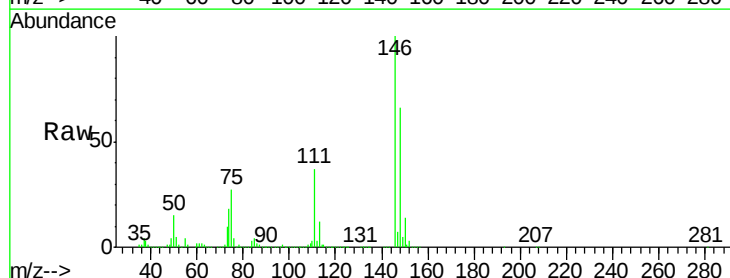
Tgt Ion:146 Resp: 2551050

Ion Ratio Lower Upper

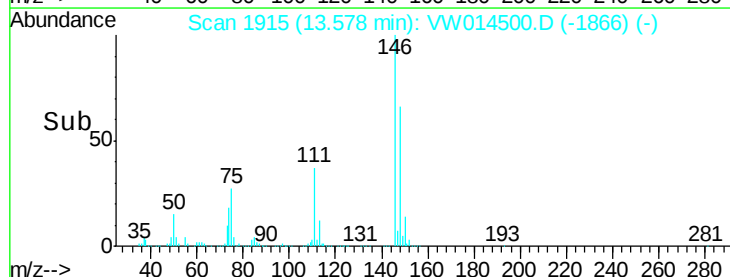
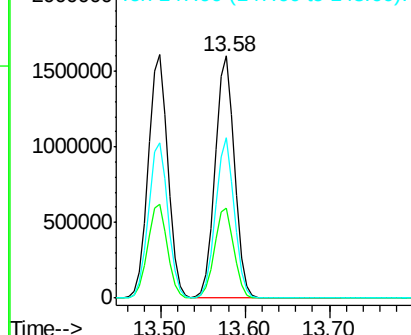
146 100

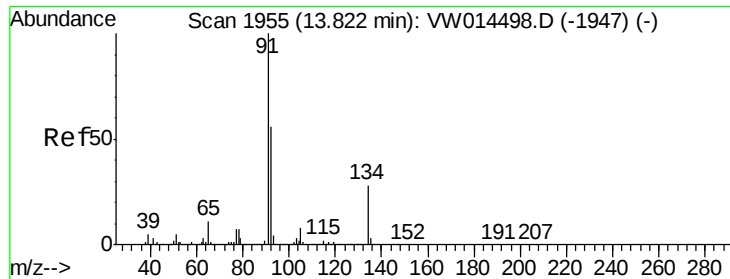
111 37.3 18.7 56.1

148 64.2 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





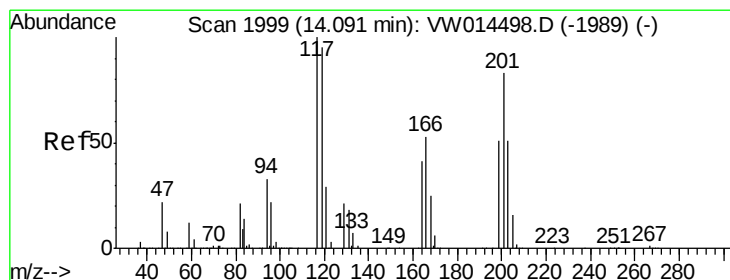
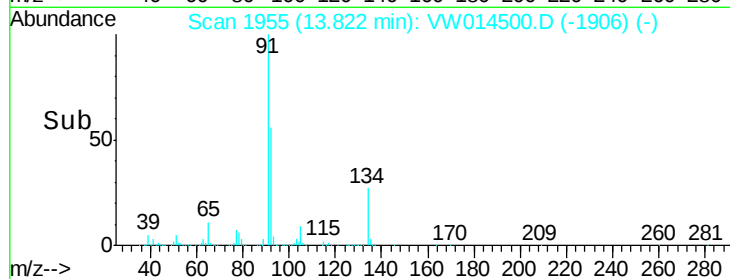
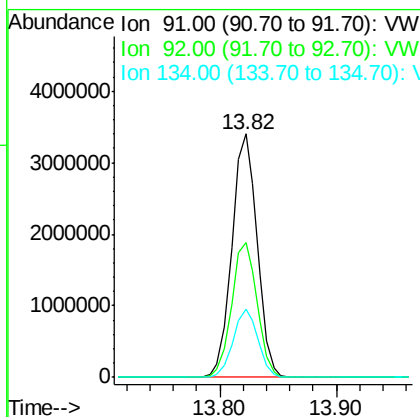
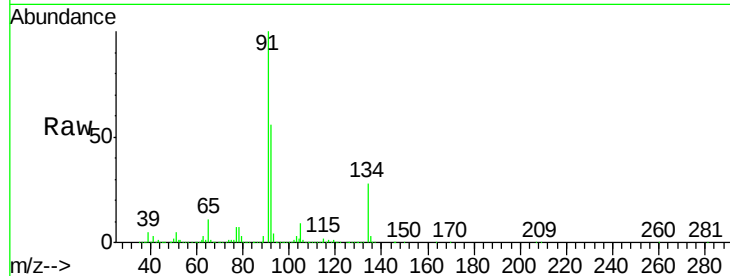
#89
n-Butylbenzene
Concen: 146.028 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 5124136
Ion Ratio Lower Upper
91 100
92 55.8 27.5 82.5
134 27.6 13.7 41.1

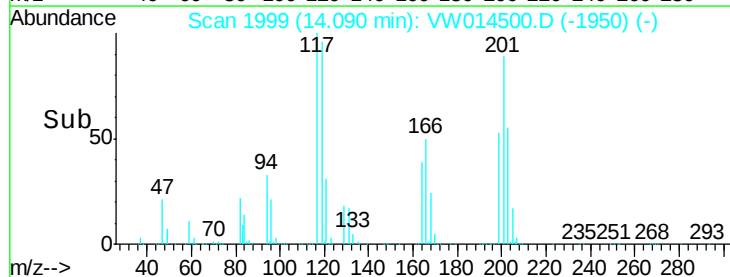
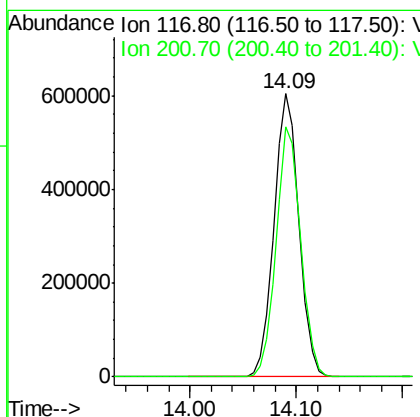
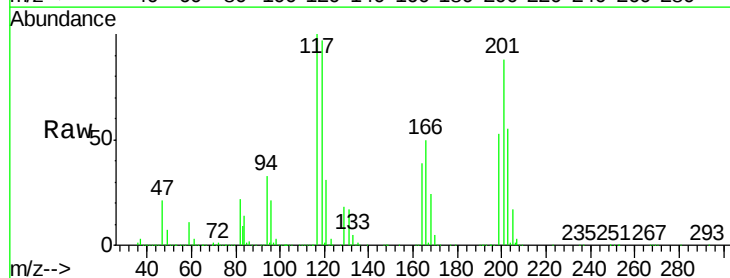
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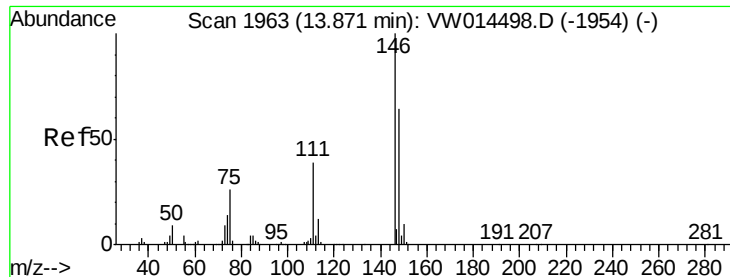
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#90
Hexachloroethane
Concen: 147.282 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 117 Resp: 982820
Ion Ratio Lower Upper
117 100
201 86.9 43.0 128.8





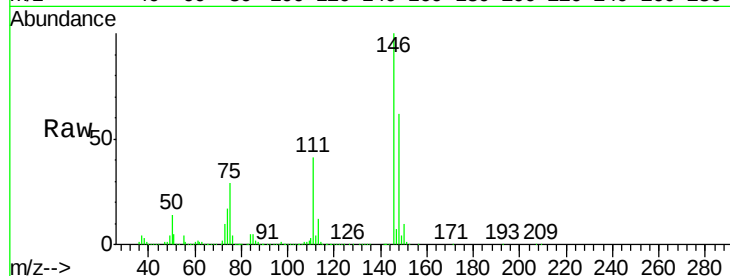
#91
 1,2-Dichlorobenzene
 Concen: 138.831 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

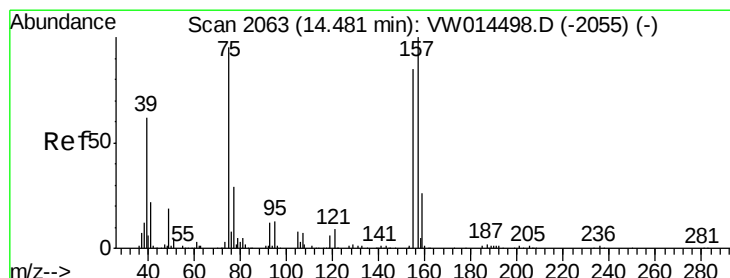
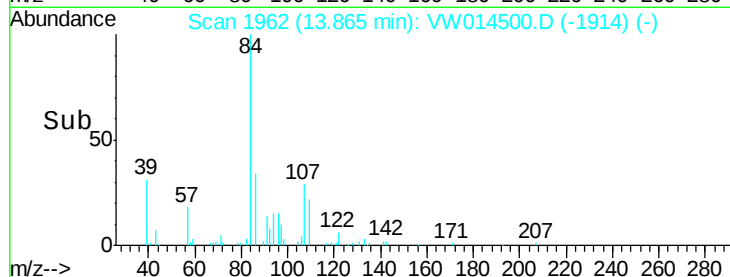
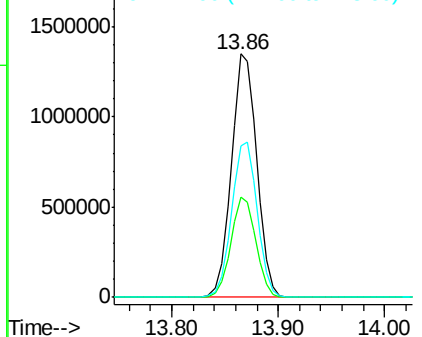
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.3
148	64.0	32.3	96.8

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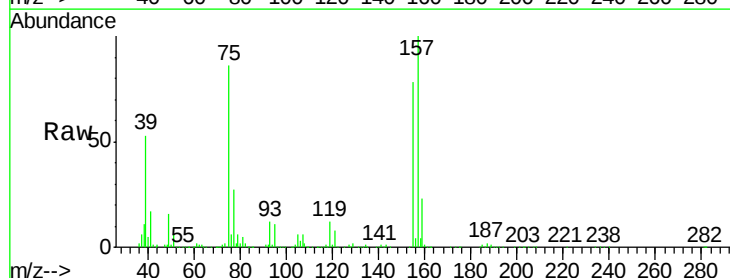


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

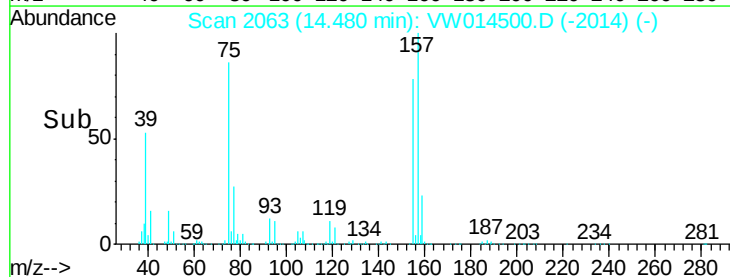
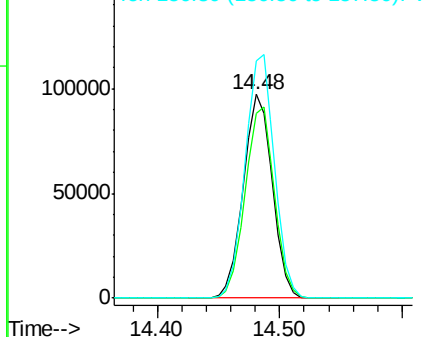


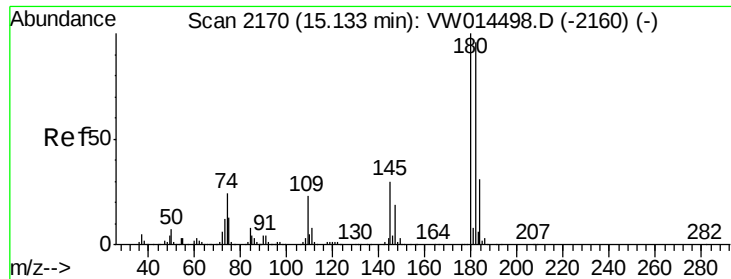
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 151.779 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	45.8	137.4
157	120.9	58.1	174.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





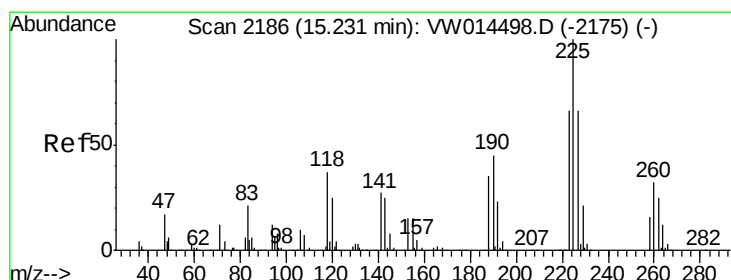
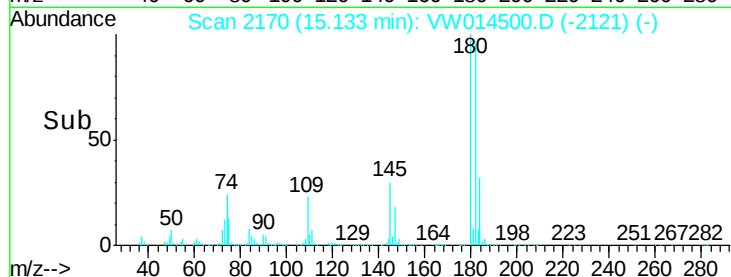
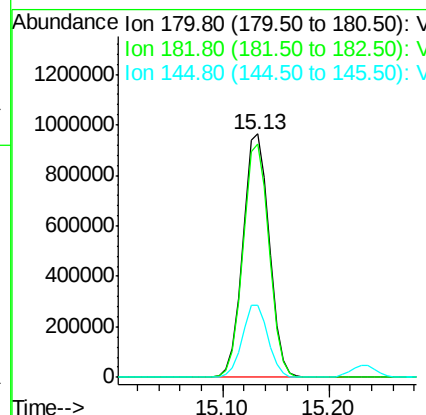
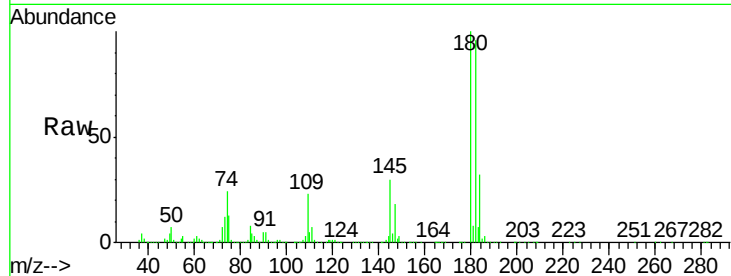
#93
 1,2,4-Trichlorobenzene
 Concen: 144.034 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	29.0	14.7	44.1

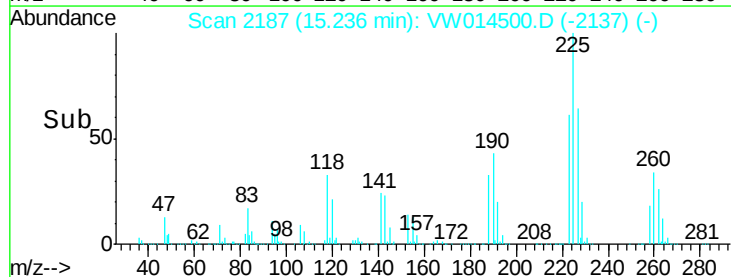
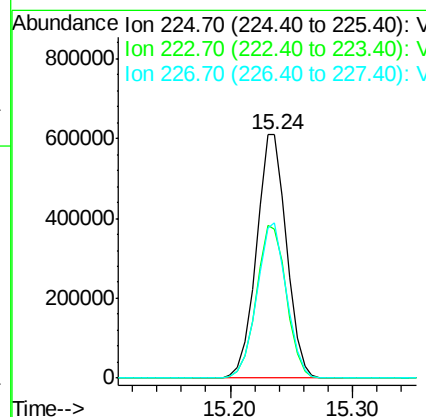
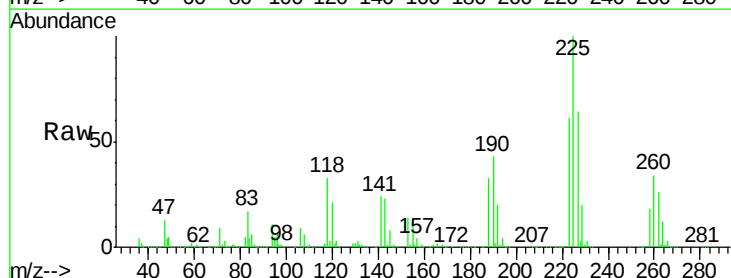
Manual Integrations
 APPROVED

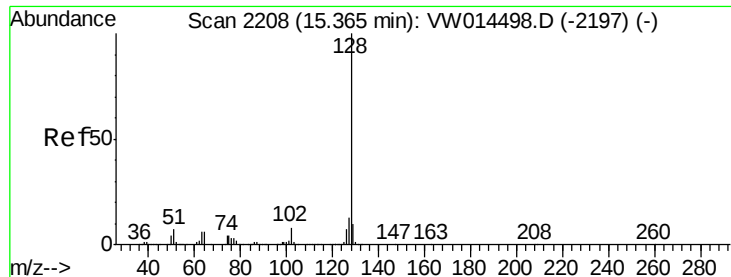
apatel
 1/6/2020 10:43:25 AM



#94
 Hexachlorobutadiene
 Concen: 134.155 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.2
227	62.9	32.6	97.8





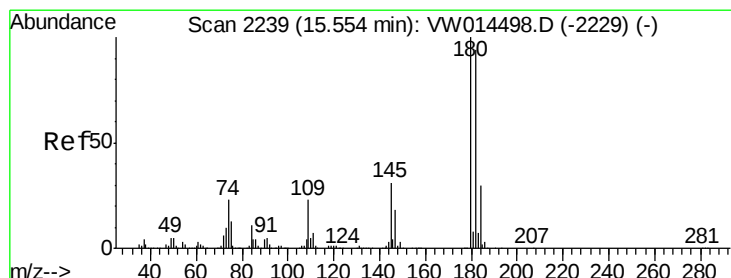
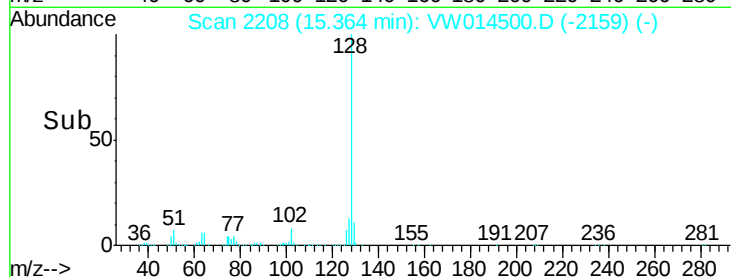
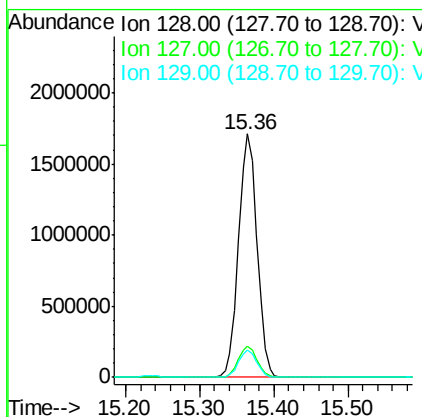
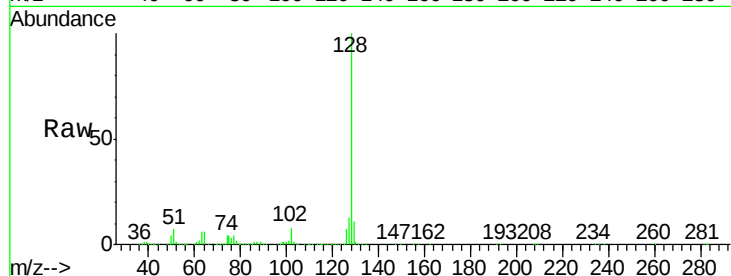
#95
Naphthalene
Concen: 157.602 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 2997441
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1

Manual Integrations
APPROVED

apatel
1/6/2020 10:43:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 142.805 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:180 Resp: 1432905
Ion Ratio Lower Upper
180 100
182 95.3 47.4 142.2
145 30.7 15.5 46.5

