

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012135.D
 Acq On : 23 Aug 2019 16:23
 Operator : SY/VA
 Sample : VW0823SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:38:37 AM

Quant Time: Aug 26 07:40:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165782	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	150979	50.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.26%	
35) Dibromofluoromethane	7.88	113	120186	50.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.38%	
50) Toluene-d8	10.32	98	495906	51.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.62	95	171611	50.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25160	16.289	ug/l	96
3) Chloromethane	2.21	50	44882	18.755	ug/l	100
4) Vinyl Chloride	2.36	62	55351	18.898	ug/l	100
5) Bromomethane	2.77	94	27455	18.509	ug/l	96
6) Chloroethane	2.92	64	30662	18.557	ug/l	94
7) Trichlorofluoromethane	3.26	101	26060	17.719	ug/l	94
8) Diethyl Ether	3.68	74	28036	20.083	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	48375	19.351	ug/l	98
10) Methyl Iodide	4.27	142	63240	18.696	ug/l	99
11) Tert butyl alcohol	5.17	59	19879	110.773	ug/l	99
12) 1,1-Dichloroethene	4.04	96	47548	18.897	ug/l	96
13) Acrolein	3.89	56	17866	105.761	ug/l	99
14) Allyl chloride	4.67	41	104310	19.391	ug/l	100
15) Acrylonitrile	5.37	53	72386	104.613	ug/l	99
16) Acetone	4.12	43	72594	95.234	ug/l	97
17) Carbon Disulfide	4.39	76	131085	17.238	ug/l	98
18) Methyl Acetate	4.67	43	42025	22.259	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	85146	20.925	ug/l	100
20) Methylene Chloride	4.92	84	56421	19.579	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	51933	19.247	ug/l	98
22) Diisopropyl ether	6.31	45	206618	20.722	ug/l	98
23) Vinyl Acetate	6.26	43	622340	101.420	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107651	19.829	ug/l	99
25) 2-Butanone	7.17	43	105990	102.323	ug/l	98
26) 2,2-Dichloropropane	7.17	77	61804	20.113	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	58645	20.343	ug/l	99
28) Bromochloromethane	7.51	49	49644	20.980	ug/l	99
29) Tetrahydrofuran	7.53	42	67128	108.017	ug/l	99
30) Chloroform	7.68	83	100498	20.233	ug/l	97
31) Cyclohexane	7.96	56	99107	18.451	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	79344	20.193	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82436	19.886	ug/l	100
37) Ethyl Acetate	7.25	43	46840	20.619	ug/l	100
38) Carbon Tetrachloride	8.07	117	71258	19.860	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86763	18.630	ug/l	95
40) Benzene	8.32	78	224578	19.840	ug/l	100
41) Methacrylonitrile	7.48	41	26263	19.671	ug/l	95
42) 1,2-Dichloroethane	8.40	62	72165	20.342	ug/l	99
43) Isopropyl Acetate	8.42	43	87550	20.807	ug/l	100
44) Trichloroethene	9.09	130	54469	19.795	ug/l	97
45) 1,2-Dichloropropane	9.37	63	61868	20.309	ug/l	98
46) Dibromomethane	9.46	93	27640	20.392	ug/l	99
47) Bromodichloromethane	9.65	83	72506	20.099	ug/l	94
48) Methyl methacrylate	9.43	41	40933	20.439	ug/l	96
49) 1,4-Dioxane	9.45	88	9345	450.359	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	225860	105.532	ug/l	100
52) Toluene	10.39	92	135420	19.914	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	73273	19.941	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	89190	20.102	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39819	20.763	ug/l	99
56) Ethyl methacrylate	10.65	69	58086	20.811	ug/l	99
57) 1,3-Dichloropropane	10.93	76	74626	20.592	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	146386	102.191	ug/l	100
59) 2-Hexanone	10.97	43	158420	104.613	ug/l	99
60) Dibromochloromethane	11.13	129	43762	20.487	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36758	20.574	ug/l	100
64) Tetrachloroethene	10.86	164	43982	19.607	ug/l	97
65) Chlorobenzene	11.66	112	136115	19.979	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	47358	19.925	ug/l	97
67) Ethyl Benzene	11.73	91	261504	19.925	ug/l	98
68) m/p-Xylenes	11.84	106	190581	40.314	ug/l	99
69) o-Xylene	12.16	106	90334	20.646	ug/l	97
70) Styrene	12.18	104	154232	20.365	ug/l	100
71) Bromoform	12.35	173	23466	19.816	ug/l #	99
73) Isopropylbenzene	12.46	105	251053	20.210	ug/l	99
74) N-amyl acetate	12.27	43	77772	20.722	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47852	21.012	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34345m	21.272	ug/l	
77) Bromobenzene	12.75	156	55037	20.479	ug/l	99
78) n-propylbenzene	12.80	91	306862	20.235	ug/l	99
79) 2-Chlorotoluene	12.89	91	173960	20.205	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	211049	20.332	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15241	20.696	ug/l	98
82) 4-Chlorotoluene	12.99	91	181684	20.153	ug/l	100
83) tert-Butylbenzene	13.21	119	178101	20.255	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	210956	20.232	ug/l	99
85) sec-Butylbenzene	13.38	105	254055	20.168	ug/l	99
86) p-Isopropyltoluene	13.50	119	227308	20.205	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107295	20.412	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106693	20.442	ug/l	99
89) n-Butylbenzene	13.82	91	223709	19.996	ug/l	100
90) Hexachloroethane	14.09	117	38916	19.717	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	95617	20.735	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7984	20.796	ug/l	95

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ClientSampleId :
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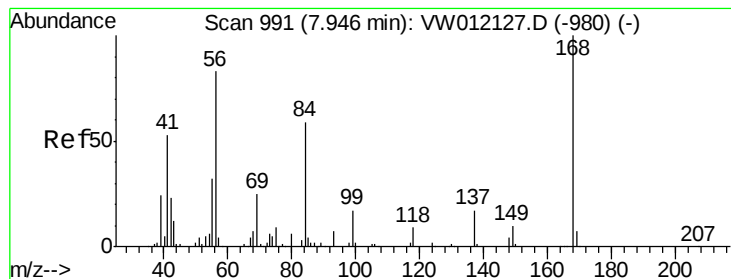
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65939	20.692	ug/l	99
94) Hexachlorobutadiene	15.24	225	42622	20.256	ug/l	98
95) Naphthalene	15.36	128	116226	21.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57133	20.549	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBSD01

Tot Ion:168 Resp: 250854

Ion Ratio Lower Upper

168 100

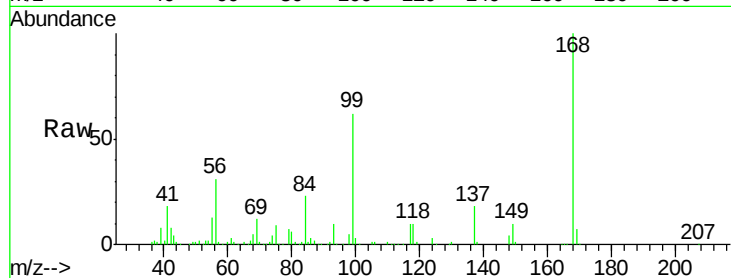
99 61.8 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

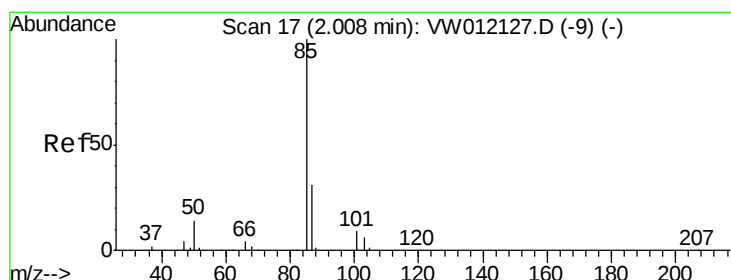
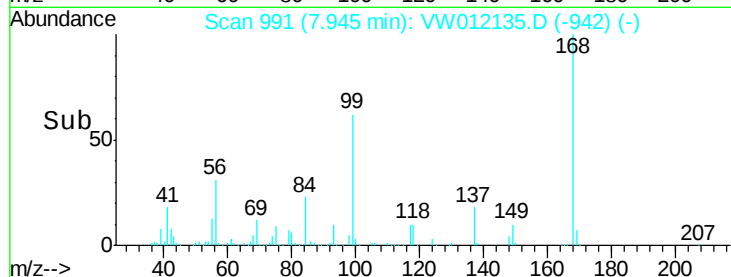
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.289 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012135.D

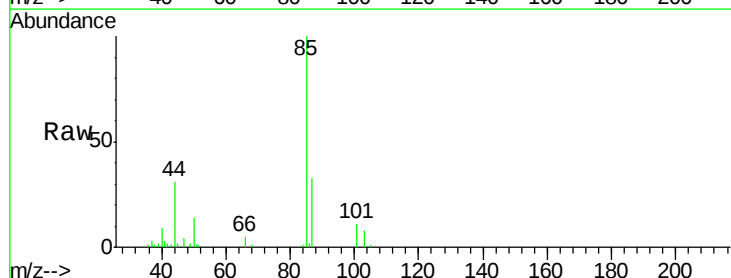
Acq: 23 Aug 2019 16:23

Tgt Ion: 85 Resp: 25160

Ion Ratio Lower Upper

85 100

87 33.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

4000

2000

0

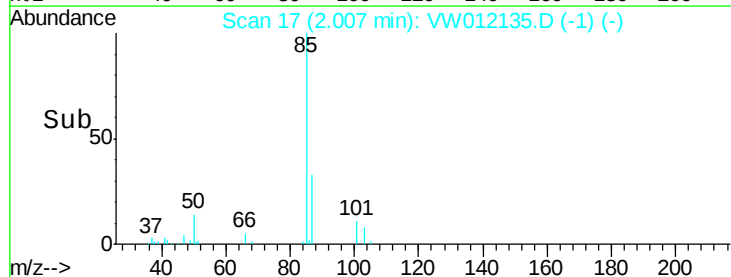
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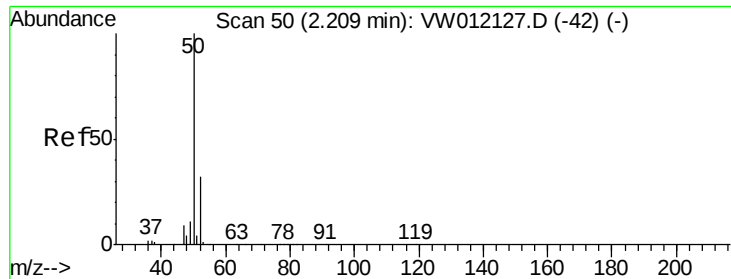
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 18.755 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tot Ion: 50 Resp: 44882

Ion Ratio Lower Upper

50 100

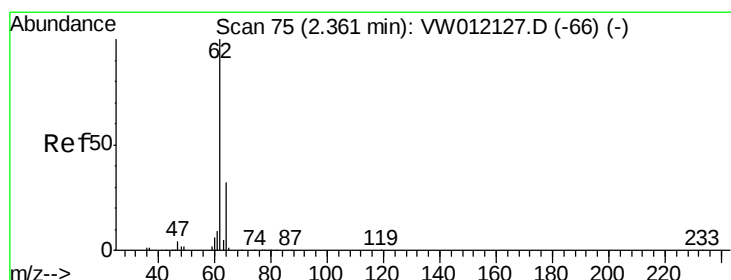
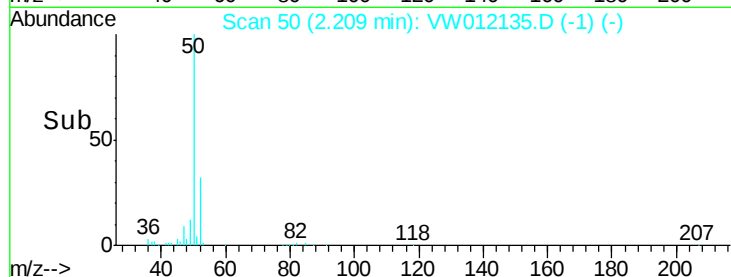
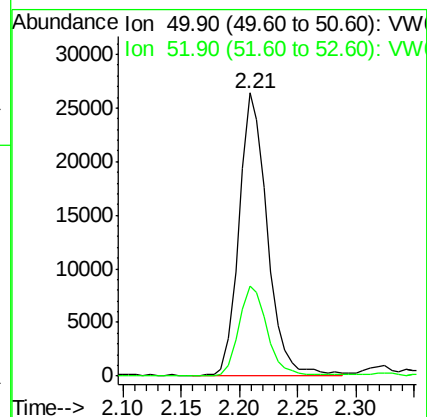
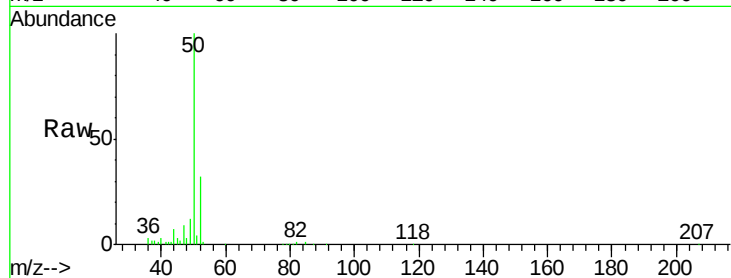
52 31.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.898 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012135.D

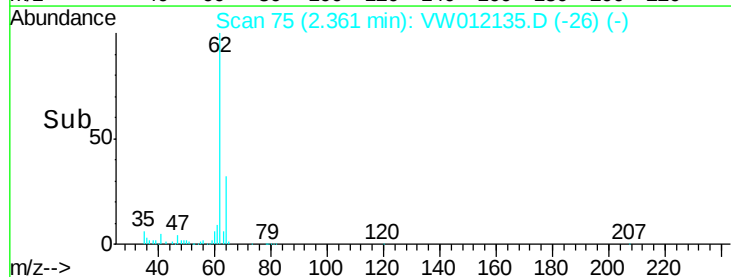
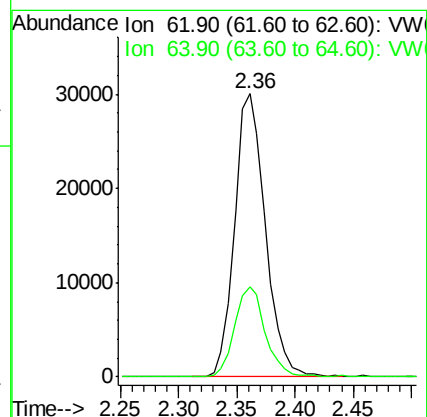
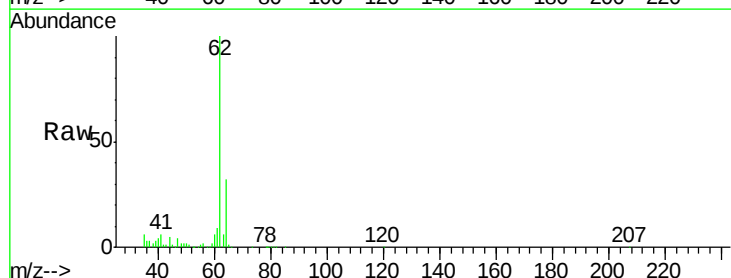
Acq: 23 Aug 2019 16:23

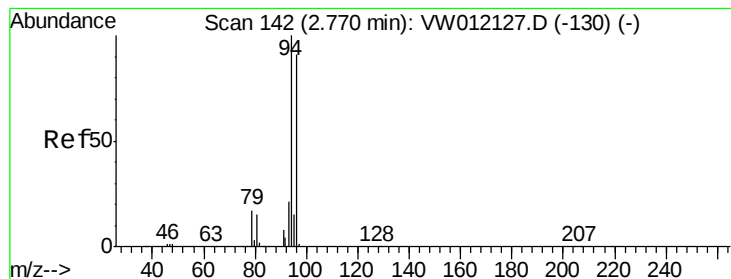
Tgt Ion: 62 Resp: 55351

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 18.509 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tot Ion: 94 Resp: 27455

Ion Ratio Lower Upper

94 100

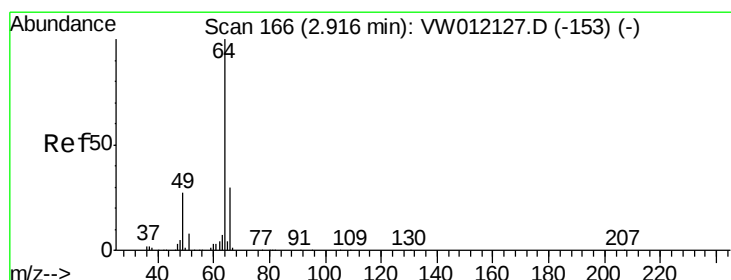
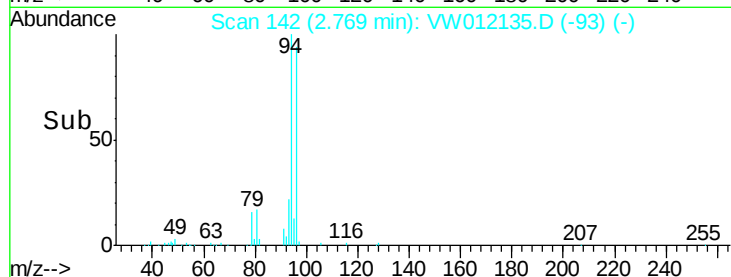
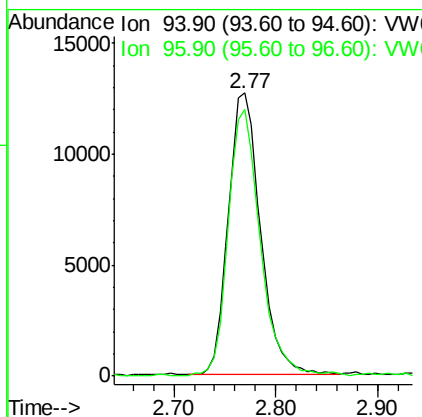
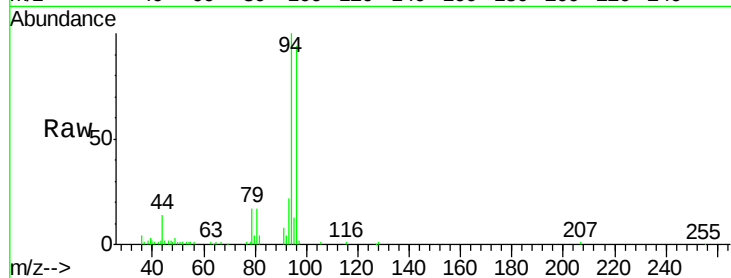
96 95.0 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 18.557 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012135.D

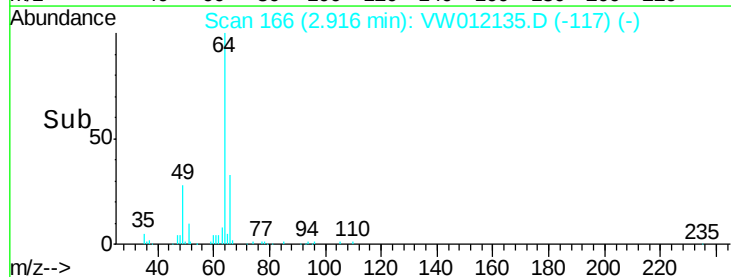
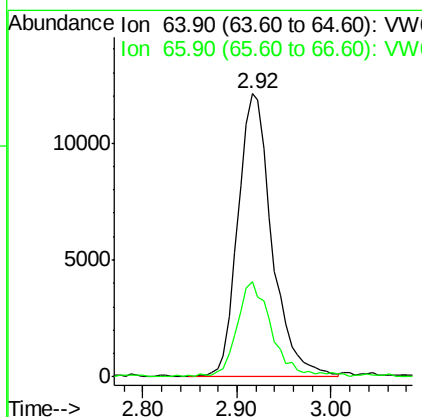
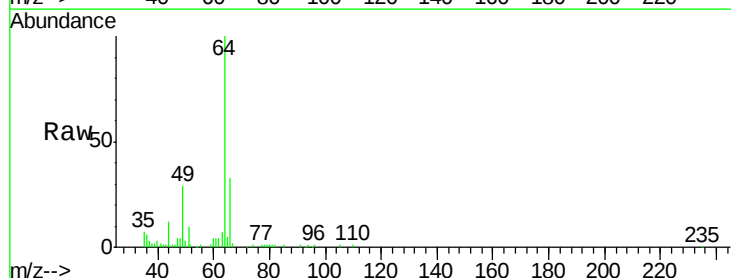
Acq: 23 Aug 2019 16:23

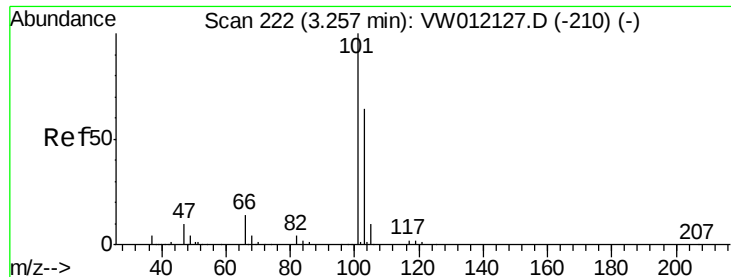
Tgt Ion: 64 Resp: 30662

Ion Ratio Lower Upper

64 100

66 32.9 23.8 35.8





#7

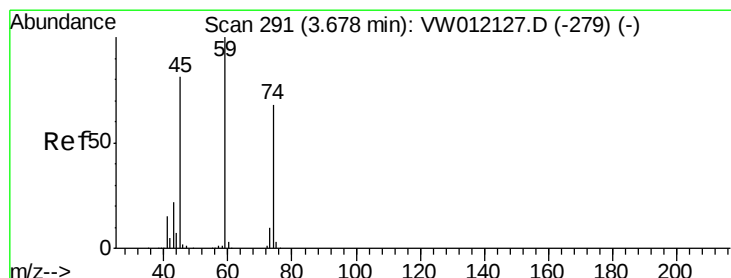
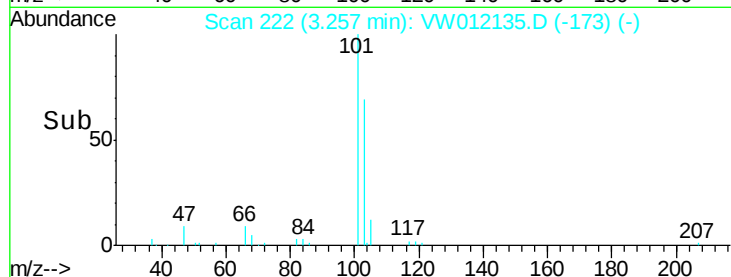
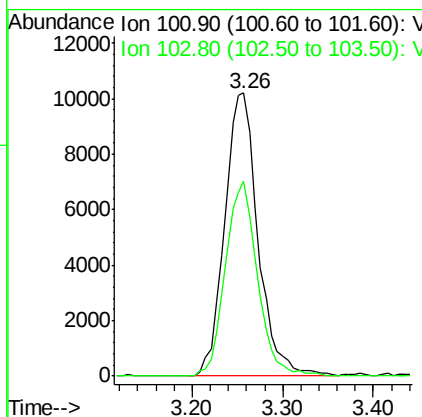
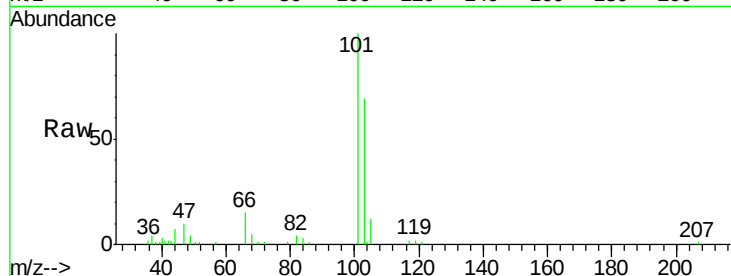
Trichlorofluoromethane
 Concen: 17.719 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	26060		
103	68.8	51.2	76.8	

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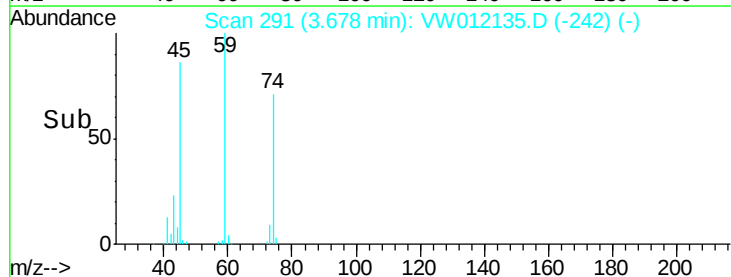
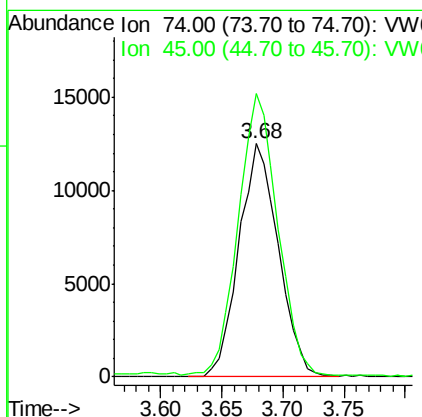
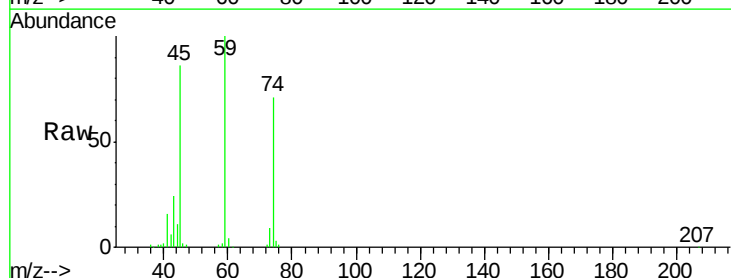
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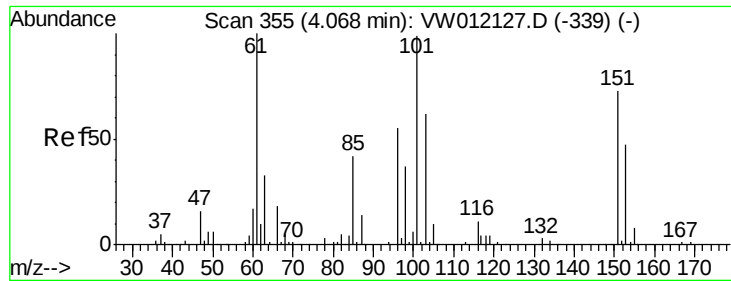


#8

Diethyl Ether
 Concen: 20.083 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	28036		
45	120.2	59.2	177.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.351 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW012135.D

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Instrument :

MSVOA_W

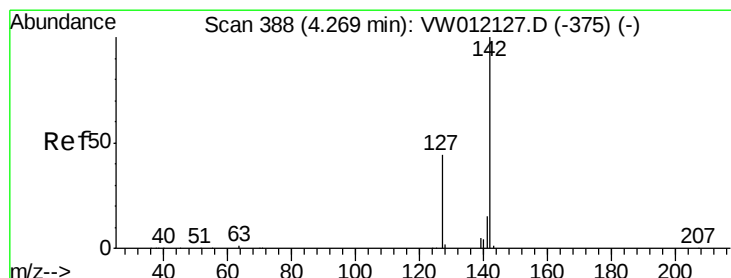
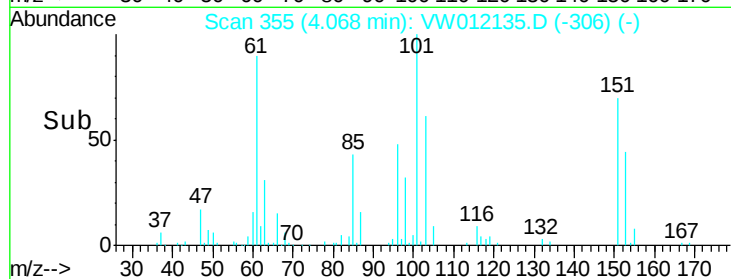
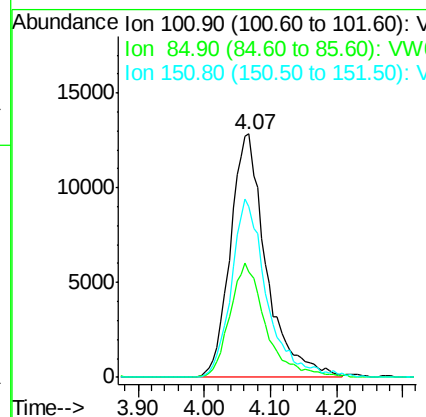
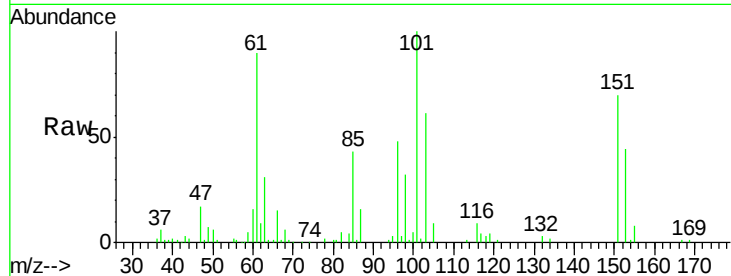
ClientSampleId :

VW0823SBS01

Tot Ion:	101	Resp:	48375
Ion Ratio	Lower	Upper	
101	100		
85	47.0	35.8	53.6
151	71.7	58.6	87.8

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#10

Methyl Iodide

Concen: 18.696 ug/l

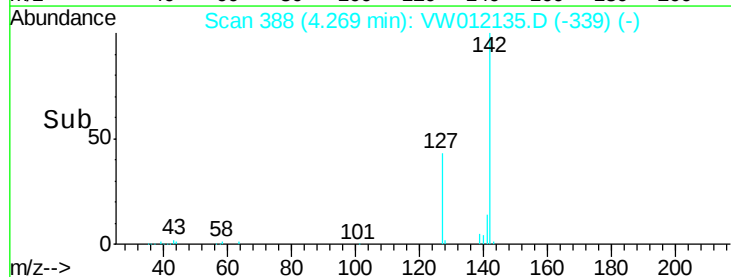
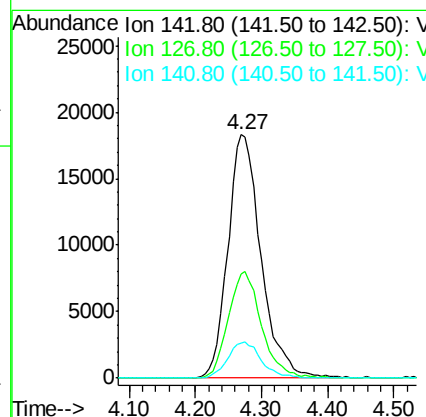
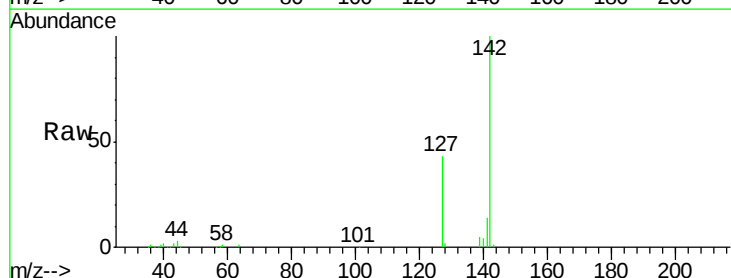
RT: 4.27 min Scan# 388

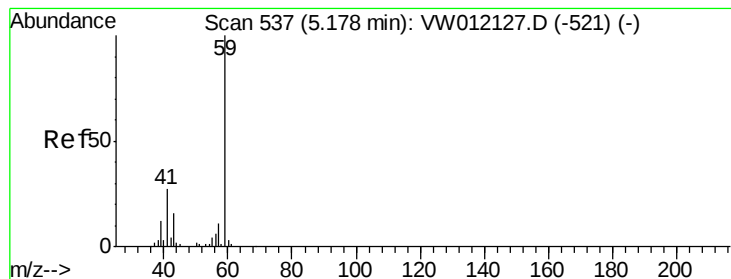
Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Tgt Ion:	142	Resp:	63240
Ion Ratio	Lower	Upper	
142	100		
127	43.7	35.5	53.3
141	14.9	11.8	17.8





#11

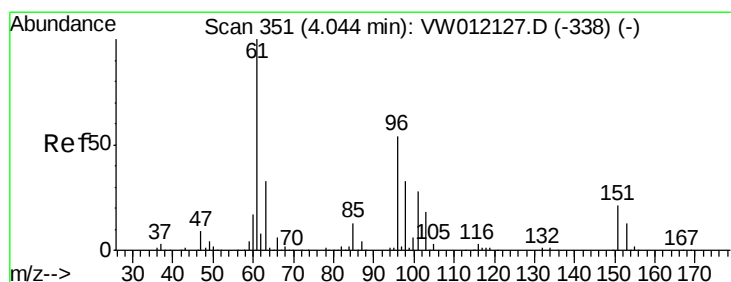
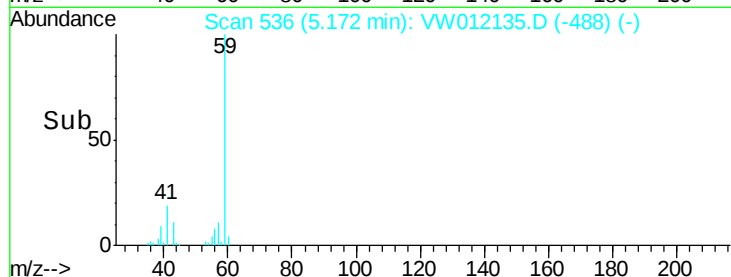
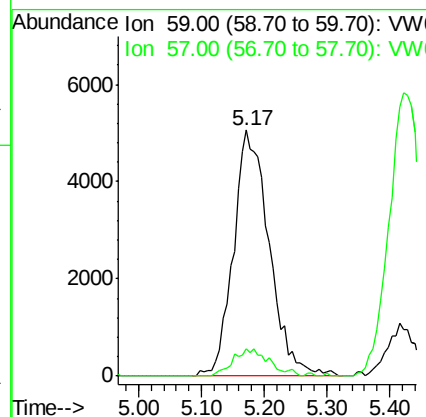
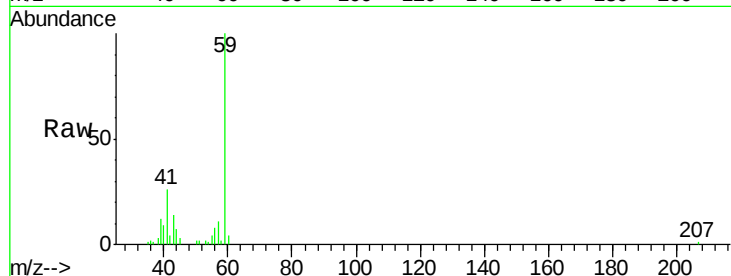
Tert butyl alcohol
Concen: 110.773 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	59	57	Ratio	100	10.7	Resp	19879	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	10.7	Resp	19879	Lower	9.0	Upper	13.4

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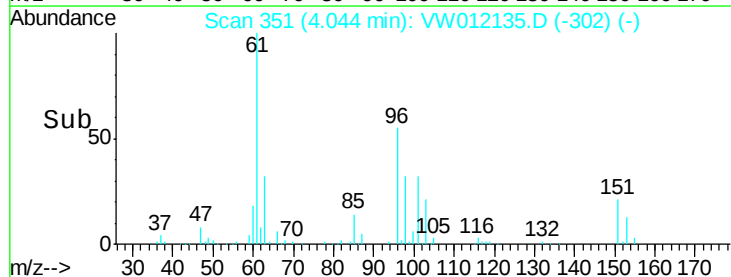
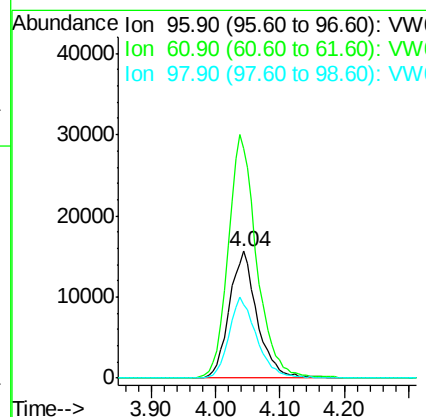
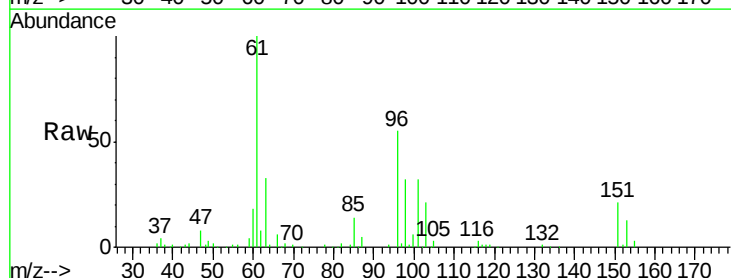
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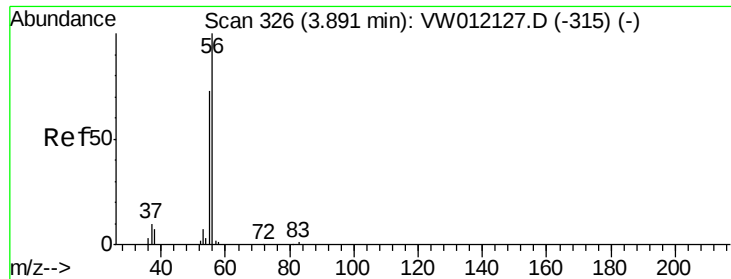


#12

1,1-Dichloroethene
Concen: 18.897 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	96	61	98	Ratio	100	181.3	57.7	Resp	47548	Lower	149.1	49.4	Upper	223.7	74.2
Ion	96 <td>61 <td>98 <td>Ratio</td> <td>100</td> <td>181.3</td> <td>57.7</td> <td>Resp</td> <td>47548</td> <td>Lower</td> <td>149.1</td> <td>49.4</td> <td>Upper</td> <td>223.7</td> <td>74.2</td> </td></td>	61 <td>98 <td>Ratio</td> <td>100</td> <td>181.3</td> <td>57.7</td> <td>Resp</td> <td>47548</td> <td>Lower</td> <td>149.1</td> <td>49.4</td> <td>Upper</td> <td>223.7</td> <td>74.2</td> </td>	98 <td>Ratio</td> <td>100</td> <td>181.3</td> <td>57.7</td> <td>Resp</td> <td>47548</td> <td>Lower</td> <td>149.1</td> <td>49.4</td> <td>Upper</td> <td>223.7</td> <td>74.2</td>	Ratio	100	181.3	57.7	Resp	47548	Lower	149.1	49.4	Upper	223.7	74.2





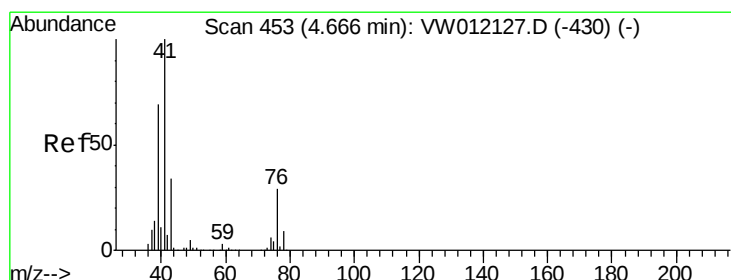
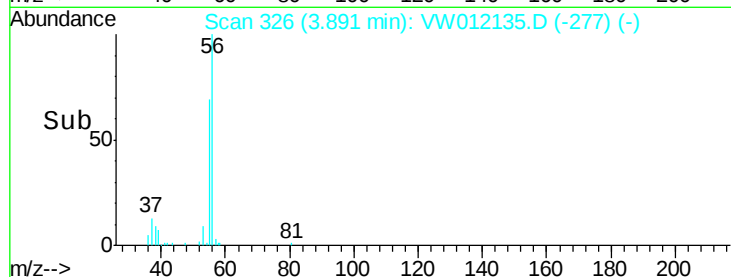
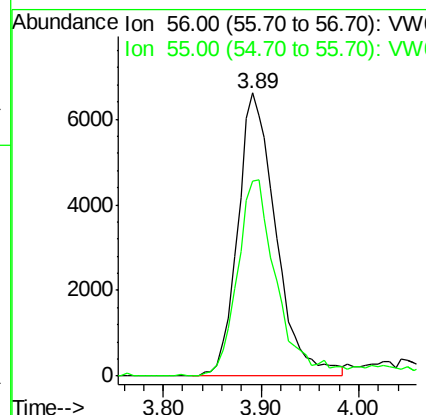
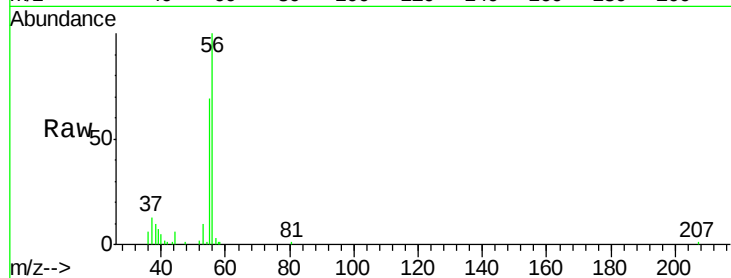
#13
Acrolein
Concen: 105.761 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	55.8	83.8

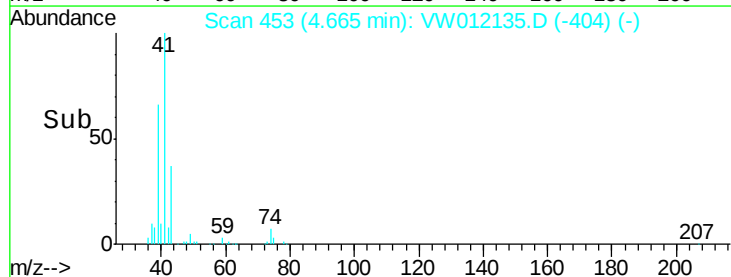
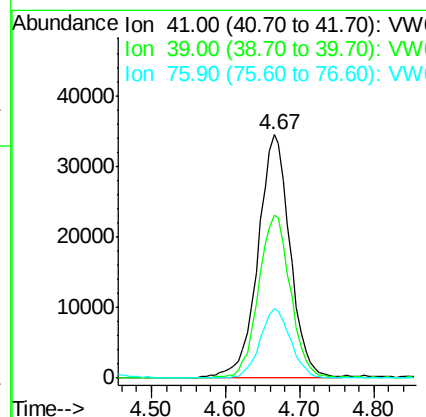
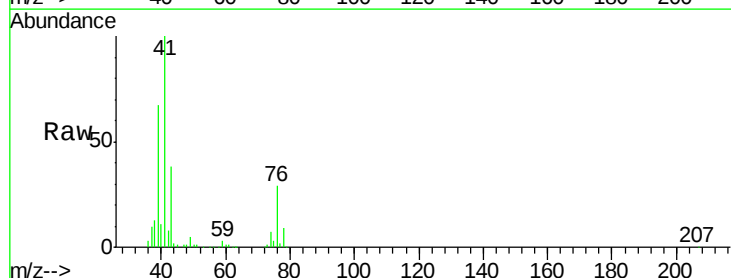
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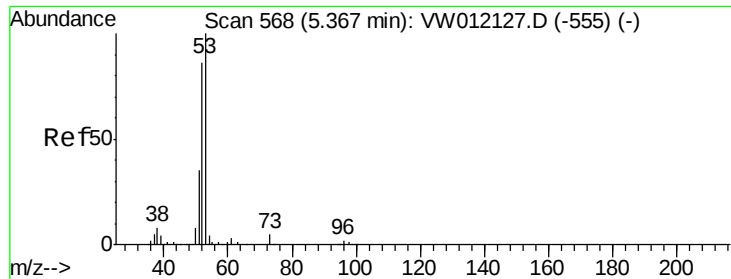
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#14
Allyl chloride
Concen: 19.391 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.8	53.4	80.2
76	27.3	22.1	33.1





#15

Acrylonitrile

Concen: 104.613 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

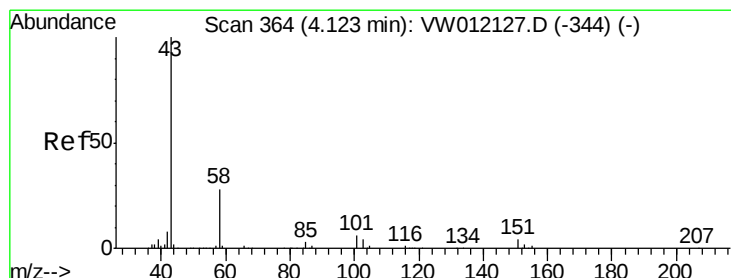
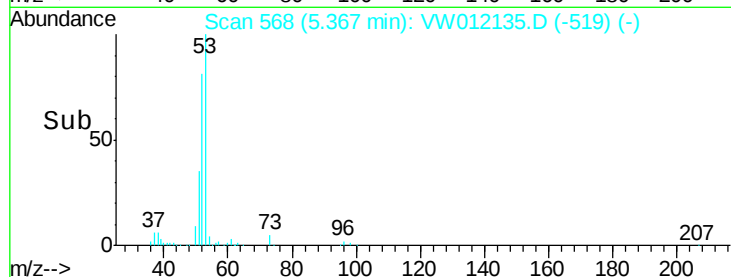
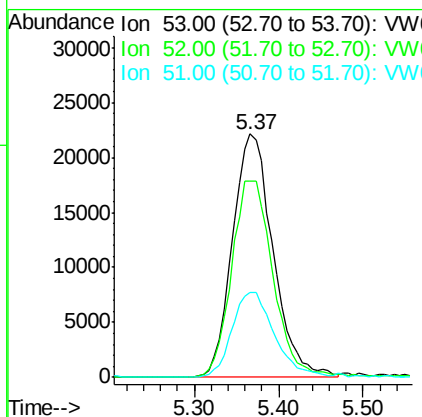
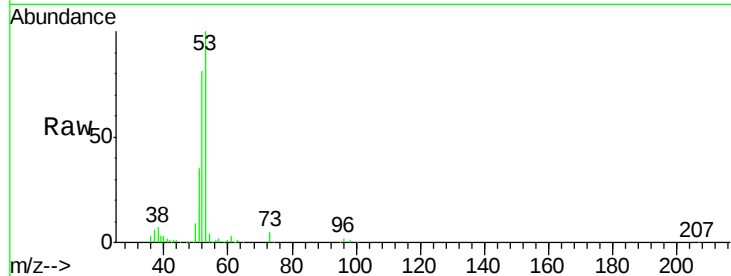
ClientSampleId :

VW0823SBS01

Tot Ion:	53	Resp:	72386
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.7	100.1
51	36.5	30.1	45.1

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#16

Acetone

Concen: 95.234 ug/l

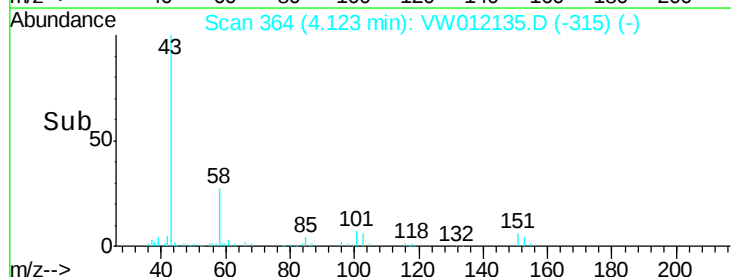
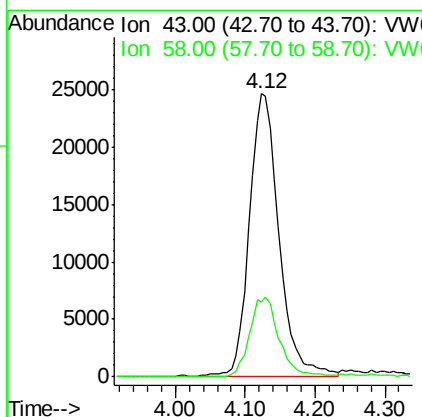
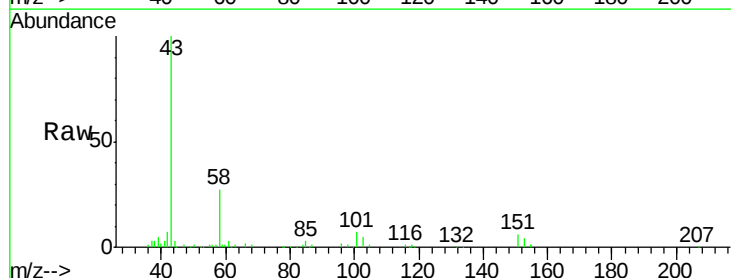
RT: 4.12 min Scan# 364

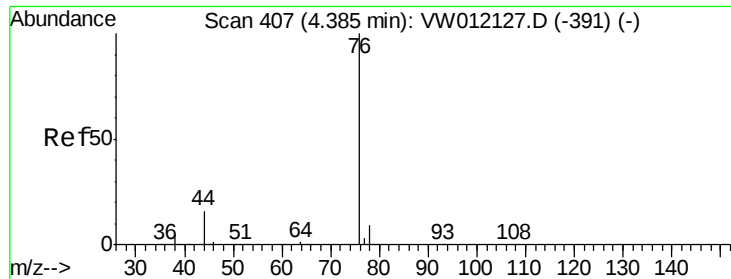
Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Tgt Ion:	43	Resp:	72594
Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.4	33.6





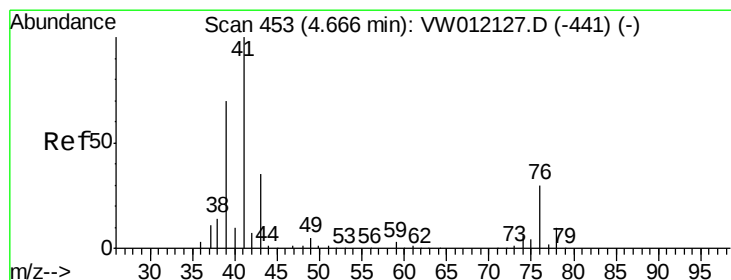
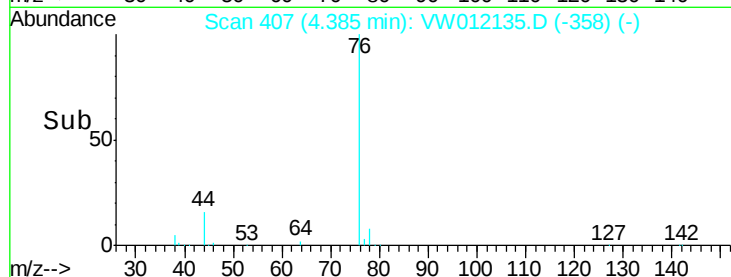
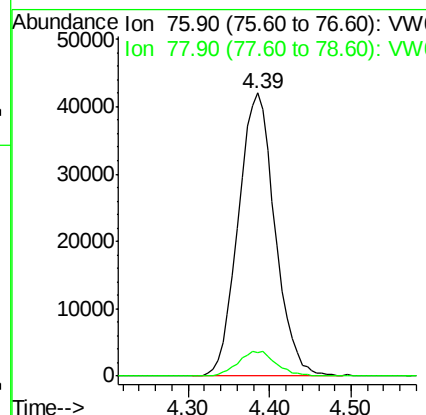
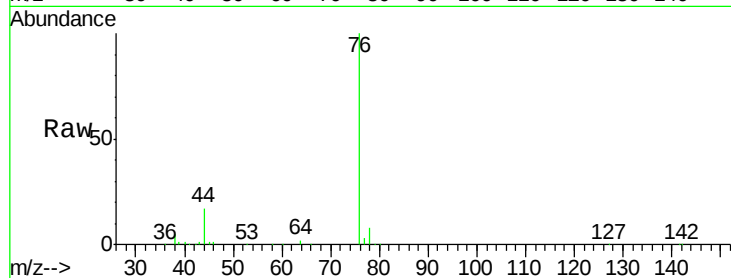
#17
Carbon Disulfide
Concen: 17.238 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.3	10.9

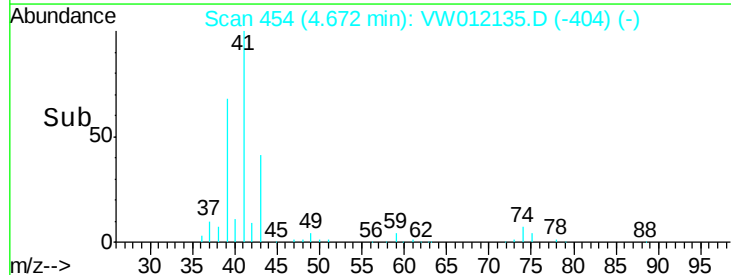
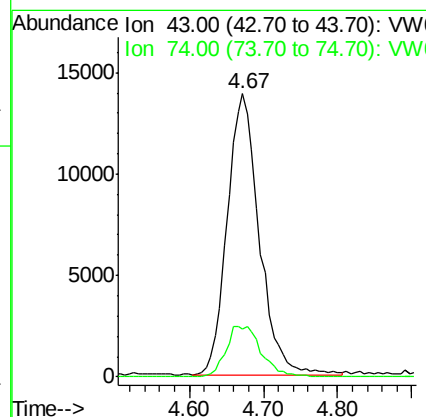
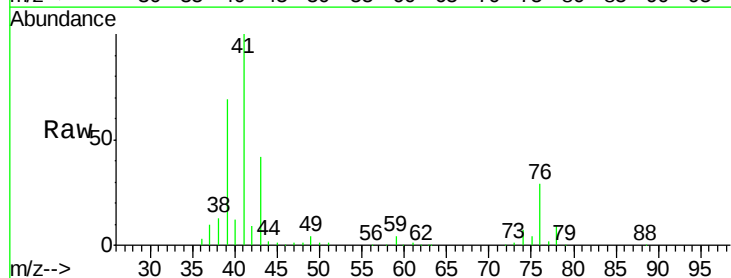
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#18
Methyl Acetate
Concen: 22.259 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.7	23.5





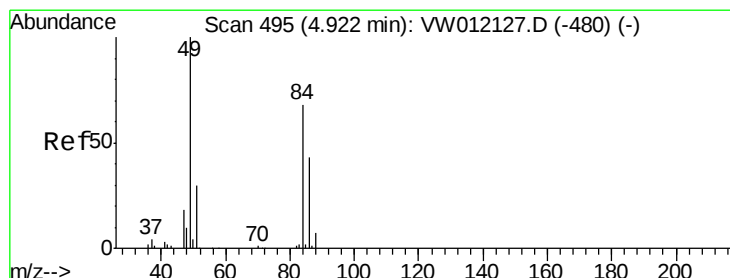
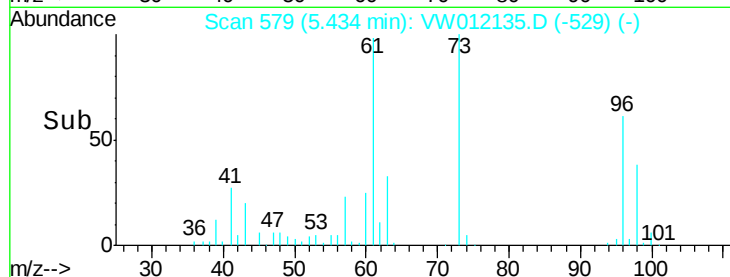
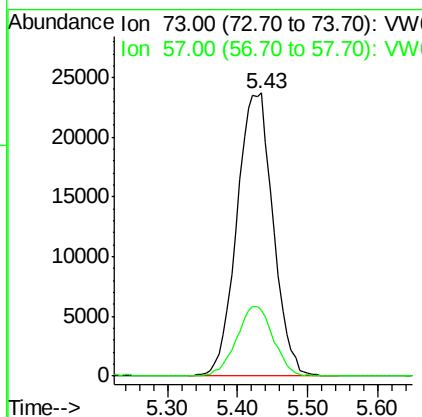
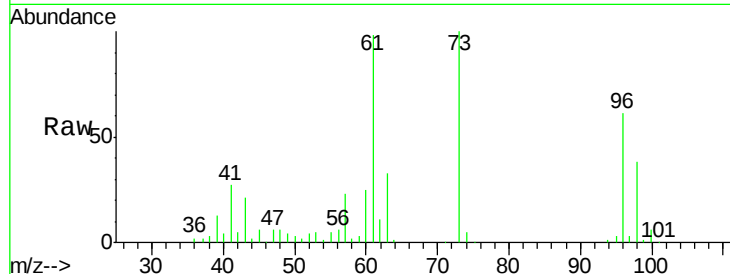
#19
Methvl tert-butvl Ether
Concen: 20.925 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion: 73 Resp: 85146
Ion Ratio Lower Upper
73 100
57 23.5 18.9 28.3

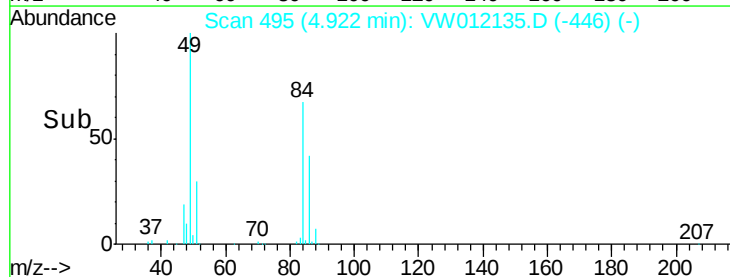
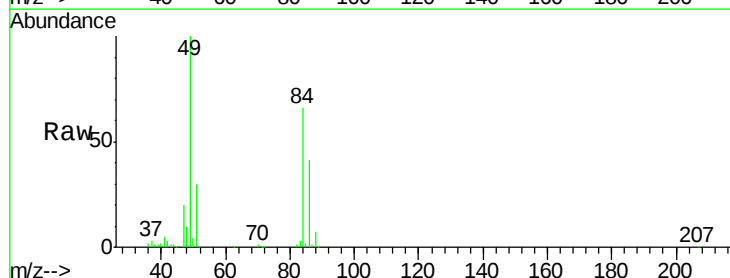
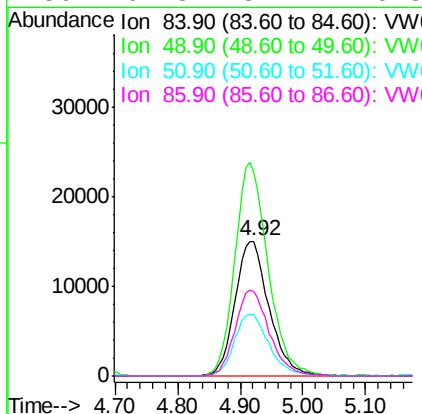
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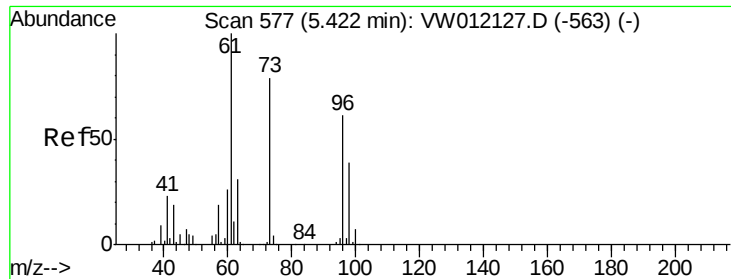
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#20
Methylene Chloride
Concen: 19.579 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 84 Resp: 56421
Ion Ratio Lower Upper
84 100
49 150.9 117.8 176.8
51 45.6 35.6 53.4
86 62.3 51.2 76.8





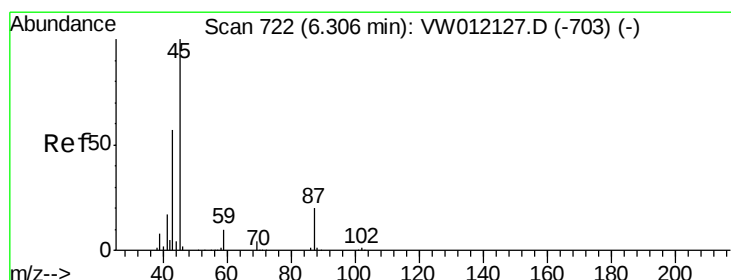
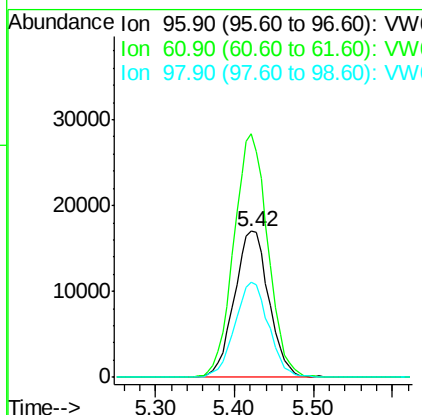
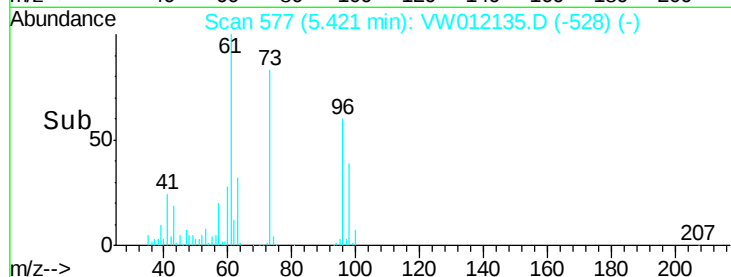
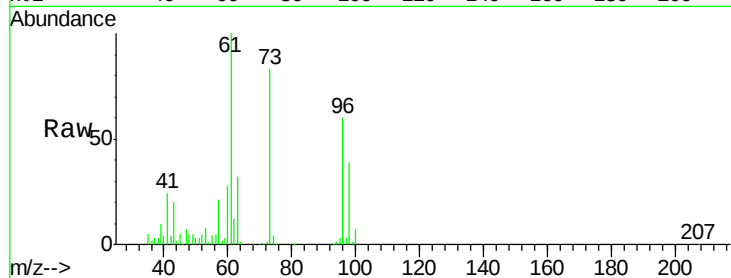
#21
trans-1,2-Dichloroethene
Concen: 19.247 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.3	131.4	197.0
98	65.6	51.4	77.0

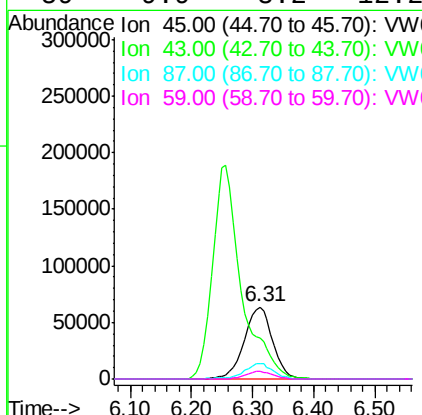
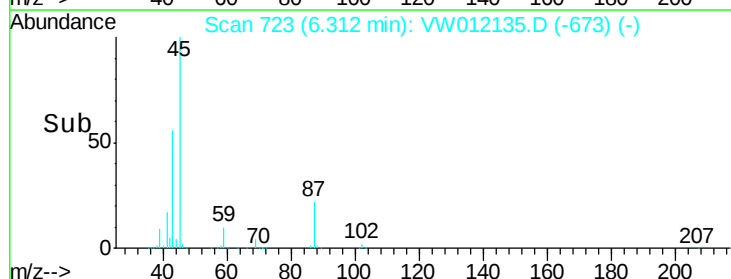
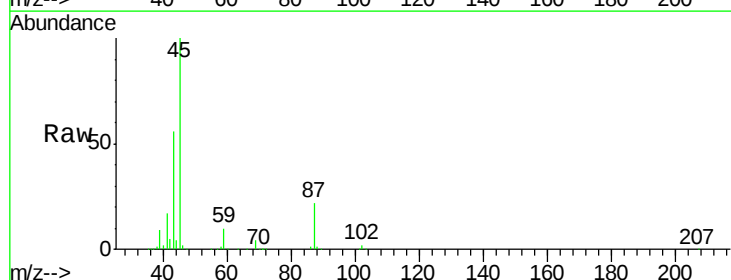
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#22
Diisopropyl ether
Concen: 20.722 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.5	68.3
87	21.5	16.1	24.1
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 101.420 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tot Ion: 43 Resp: 622340

Ion Ratio Lower Upper

43 100

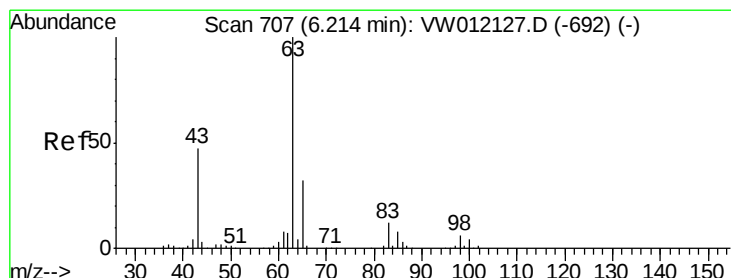
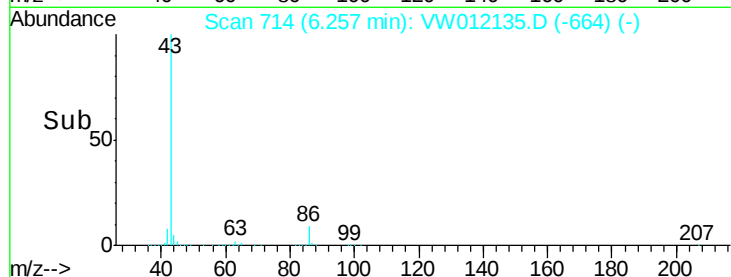
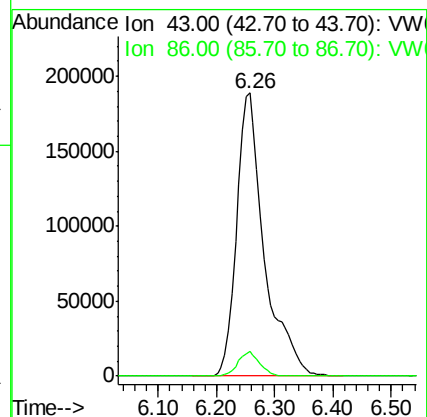
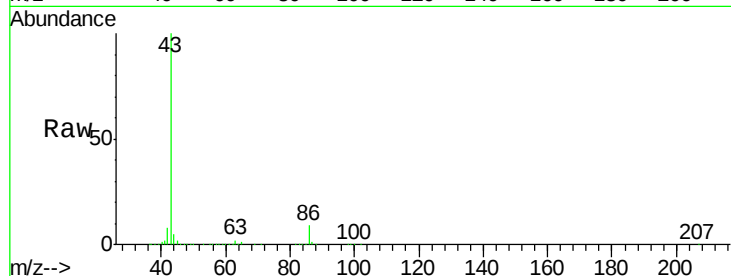
86 8.6 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.829 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

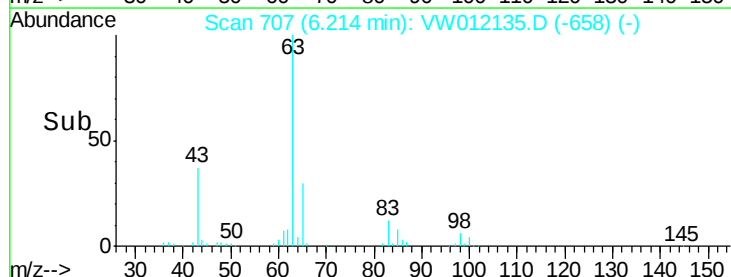
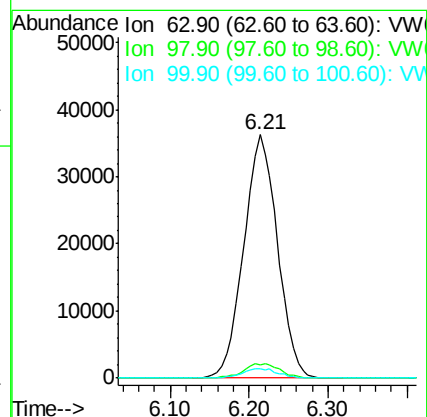
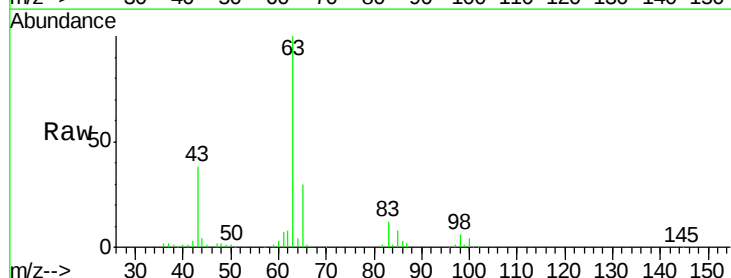
Tgt Ion: 63 Resp: 107651

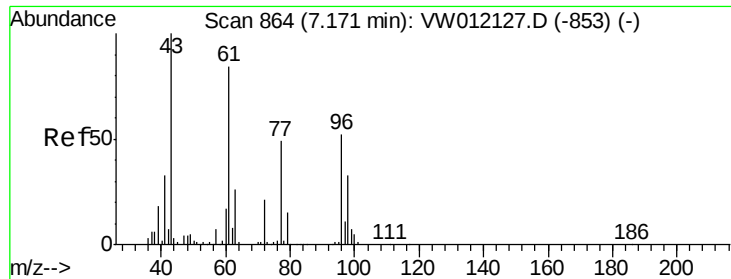
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 102.323 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tot Ion: 43 Resp: 105990

Ion Ratio Lower Upper

43 100

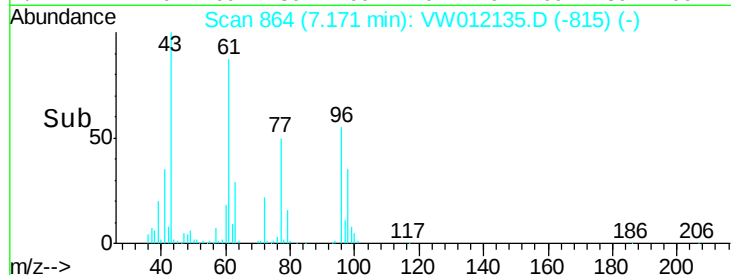
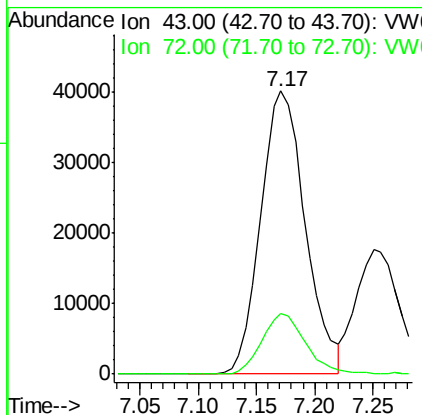
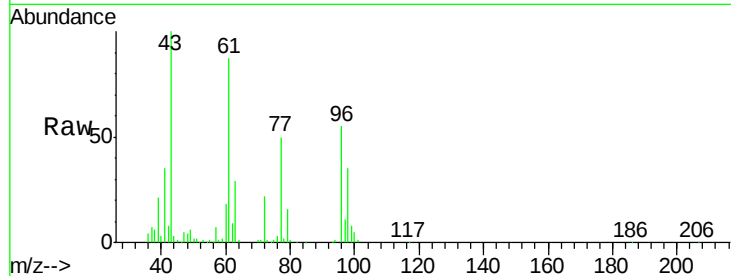
72 21.7 16.6 24.8

Manual Integrations

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MMDadoda

8/26/2019 11:38:37 AM



#26

2,2-Dichloropropane

Concen: 20.113 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012135.D

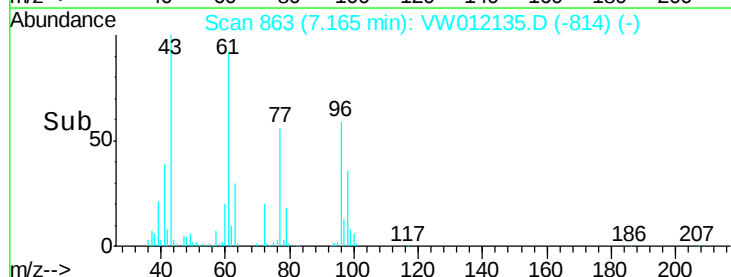
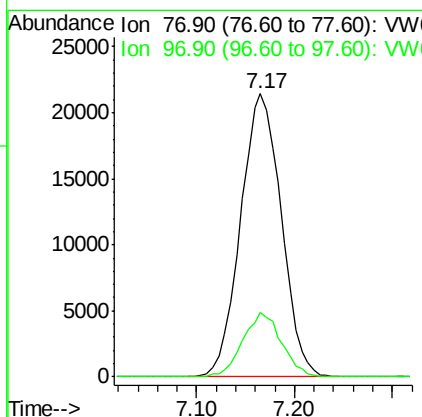
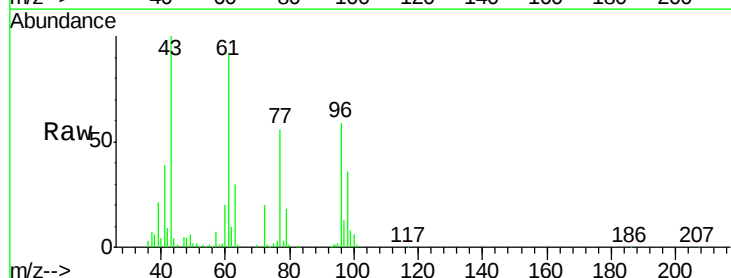
Acq: 23 Aug 2019 16:23

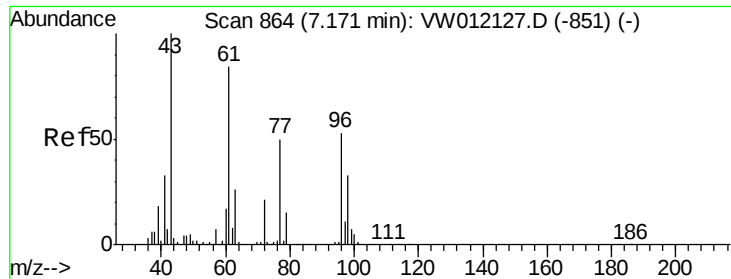
Tgt Ion: 77 Resp: 61804

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.1





#27

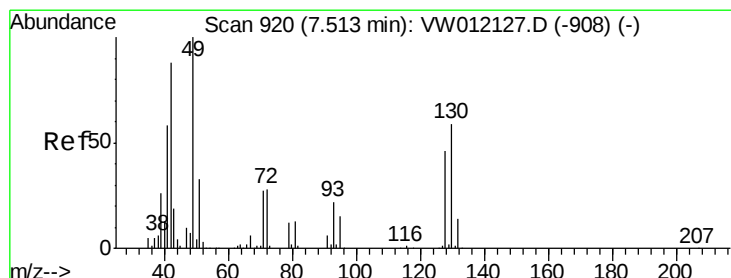
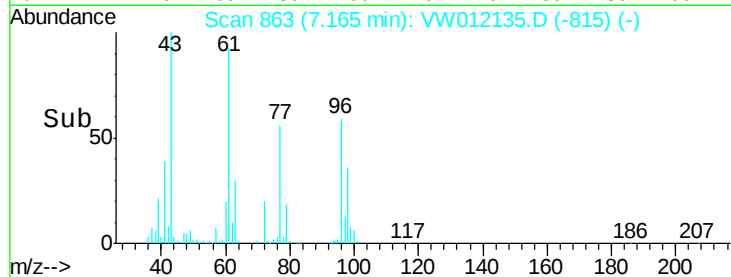
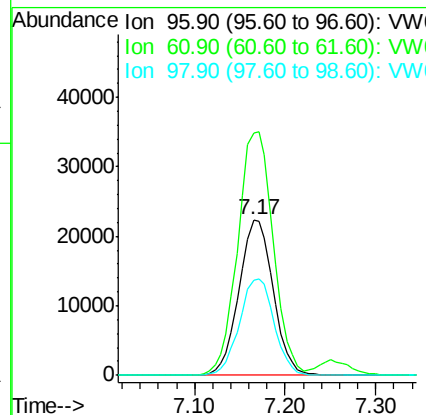
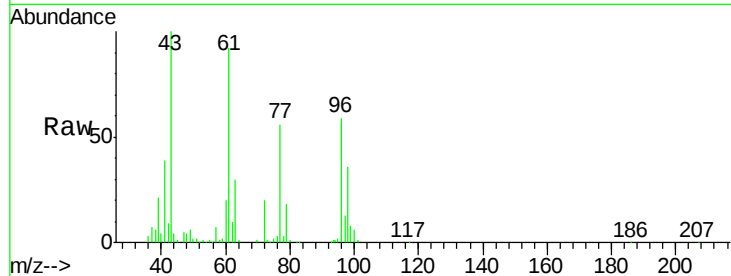
cis-1,2-Dichloroethene
Concen: 20.343 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	58645		
61	161.9	0.0	326.6	
98	62.8	0.0	127.4	

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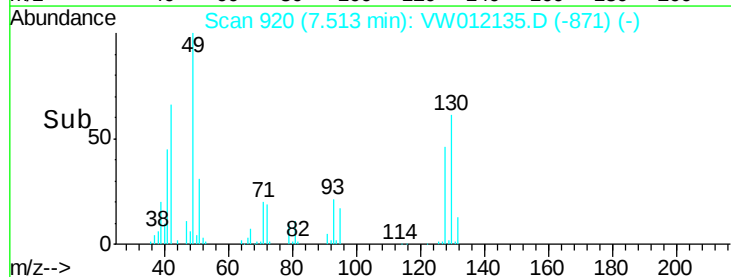
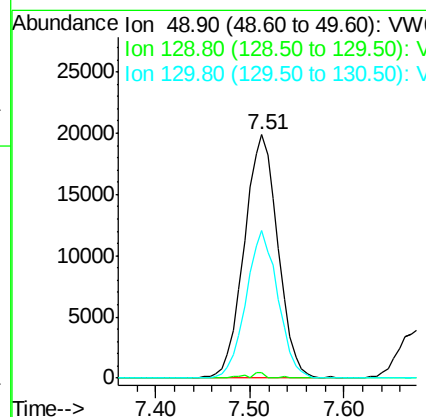
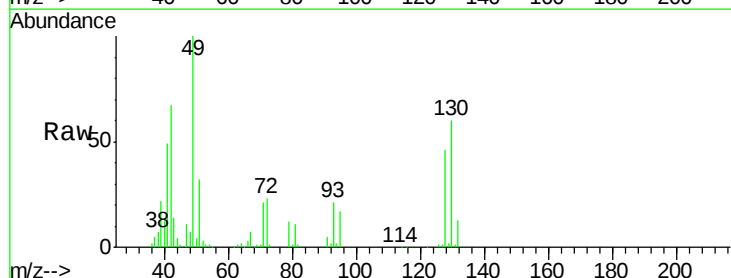
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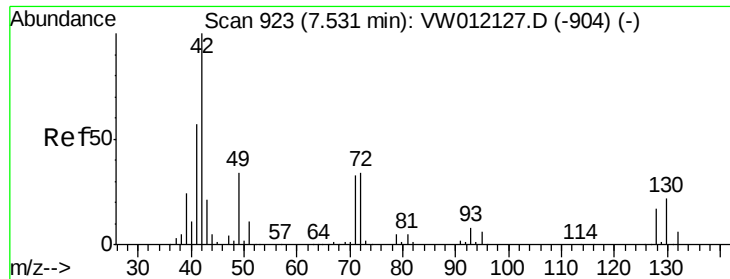


#28

Bromochloromethane
Concen: 20.980 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49644		
129	1.1	0.0	1.4	
130	57.5	45.5	68.3	





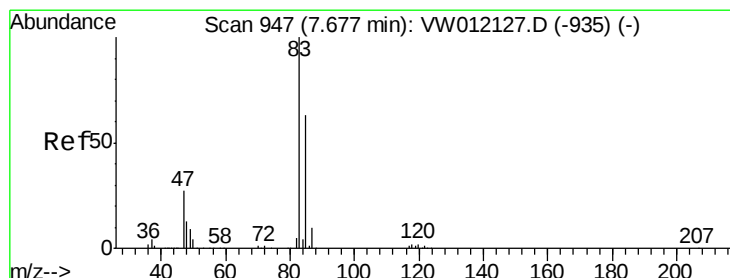
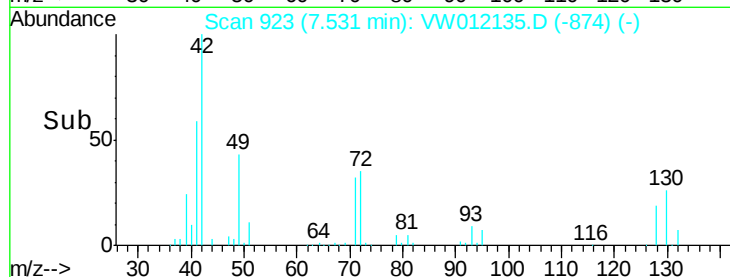
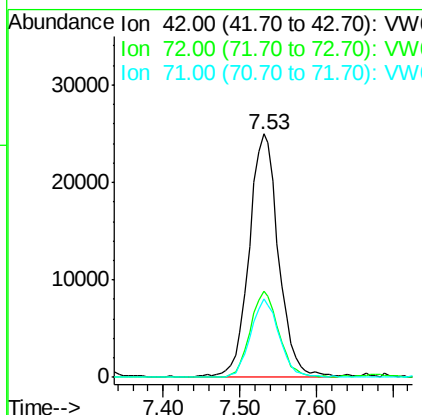
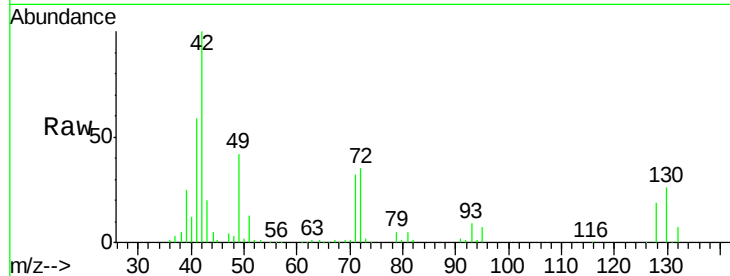
#29
Tetrahydrofuran
Concen: 108.017 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.3	40.9
71	31.0	25.5	38.3

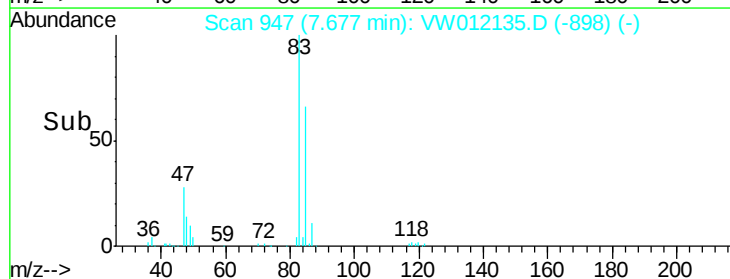
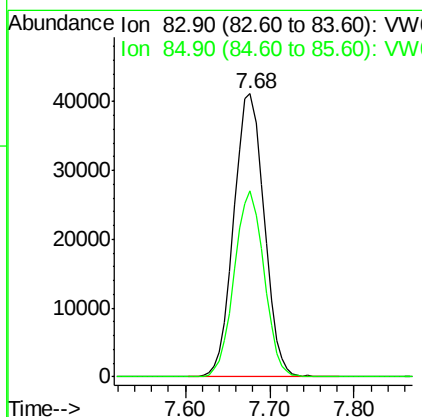
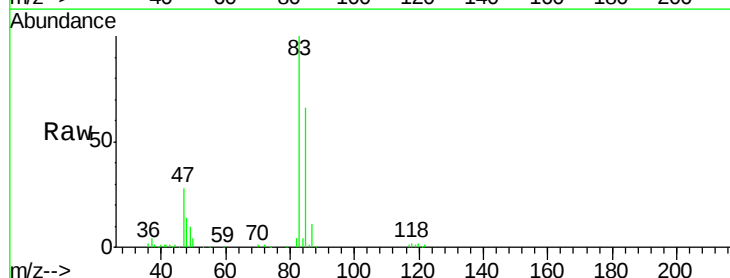
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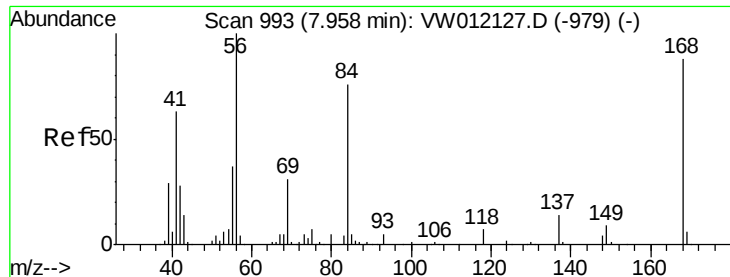
MMDadoda
8/26/2019 11:38:37 AM



#30
Chloroform
Concen: 20.233 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.6	76.0





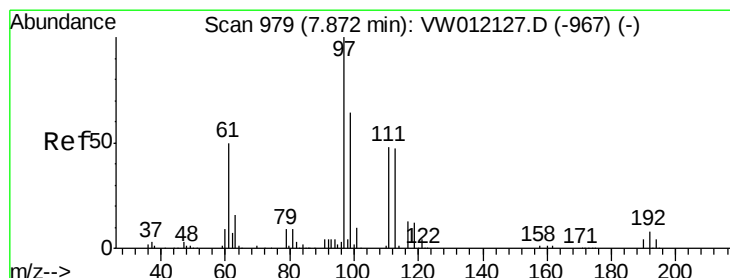
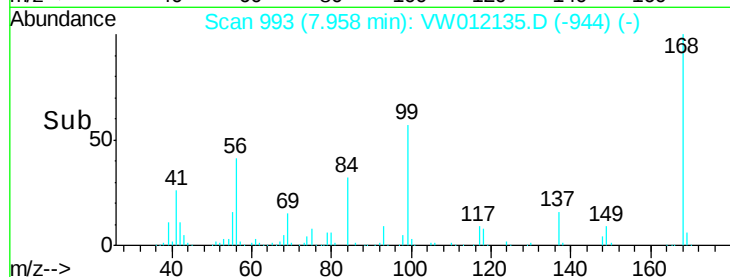
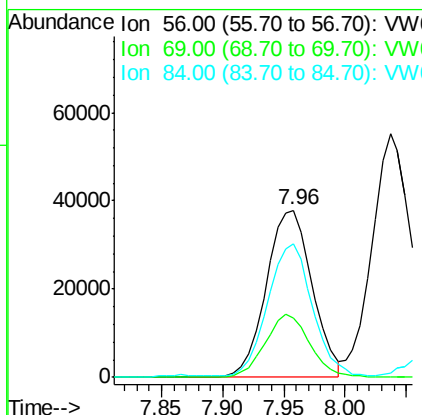
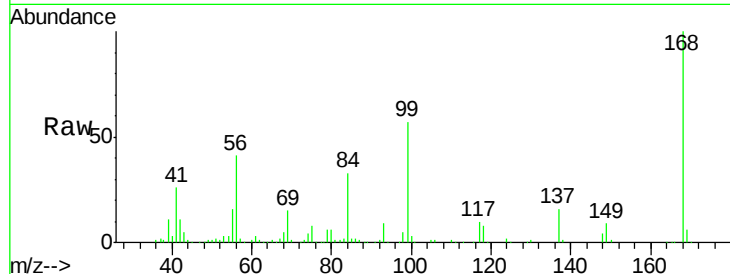
#31
Cyclohexane
Concen: 18.451 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion:	56	Resp:	99107
Ion Ratio	Lower	Upper	
56	100		
69	35.5	24.9	37.3
84	78.4	60.6	90.8

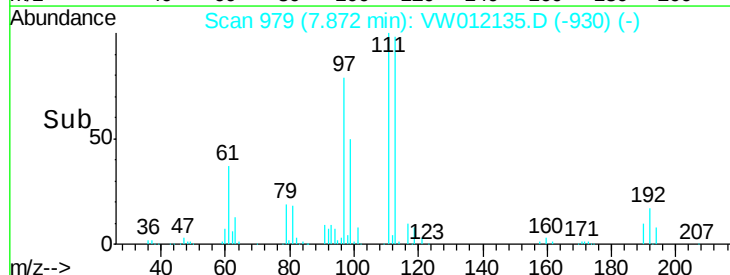
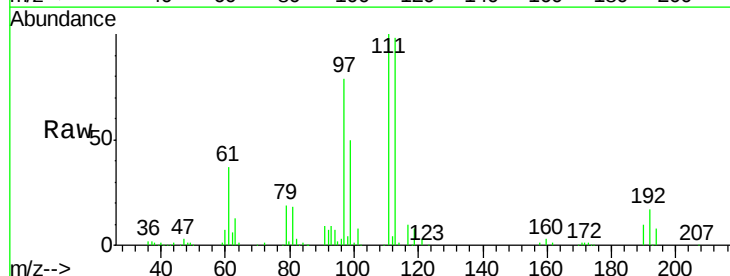
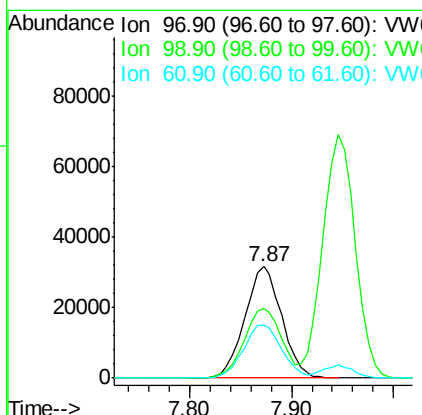
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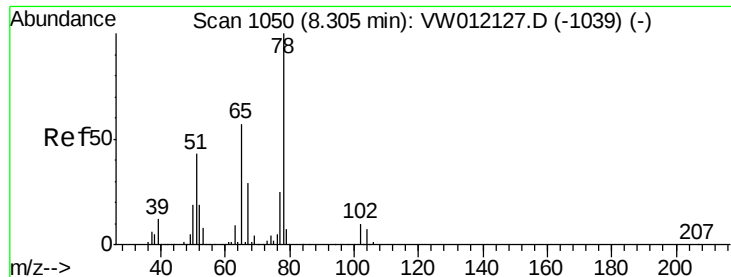
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#32
1,1,1-Trichloroethane
Concen: 20.193 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion:	97	Resp:	79344
Ion Ratio	Lower	Upper	
97	100		
99	62.6	51.4	77.0
61	49.1	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 50.629 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tot Ion: 65 Resp: 150979

Ion Ratio Lower Upper

65 100

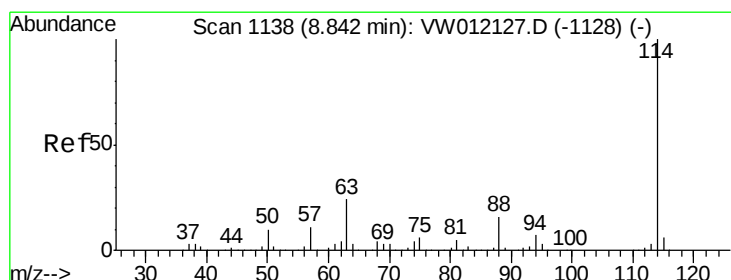
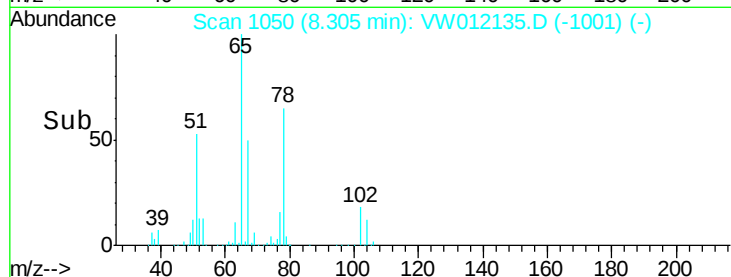
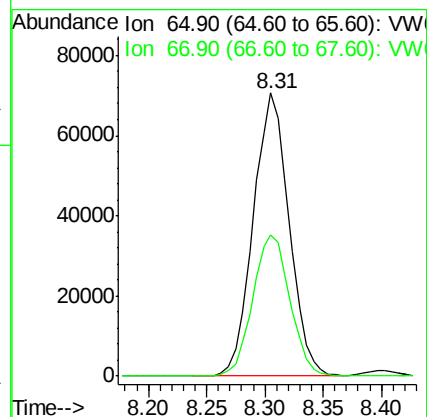
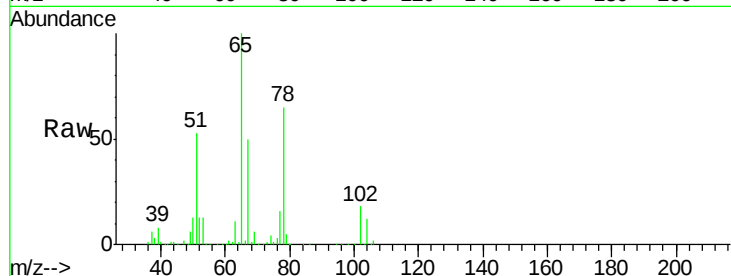
67 51.7 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

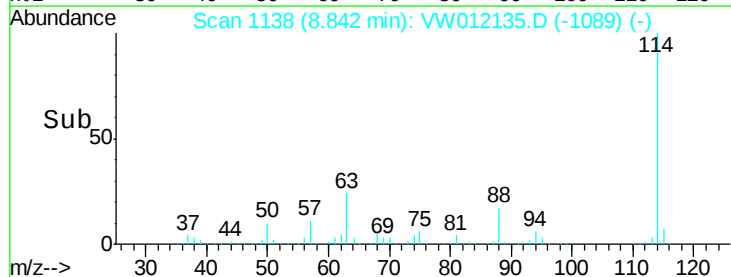
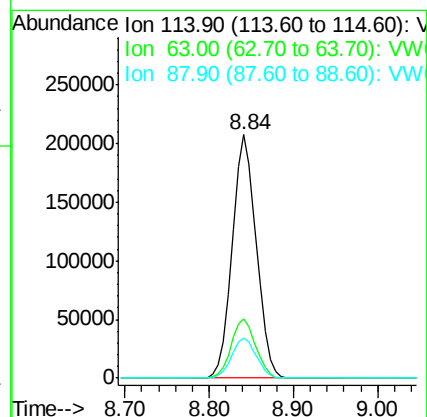
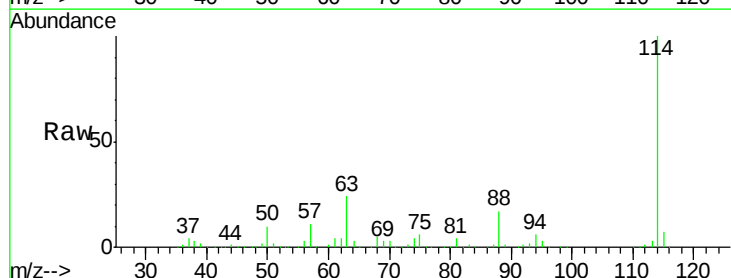
Tgt Ion: 114 Resp: 401152

Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.6

88 16.6 0.0 32.2





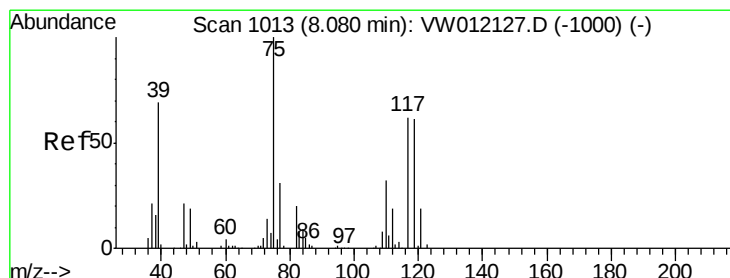
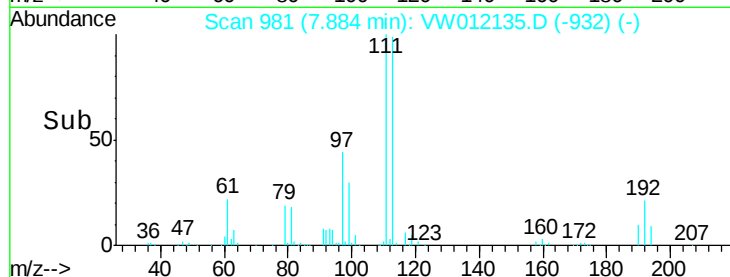
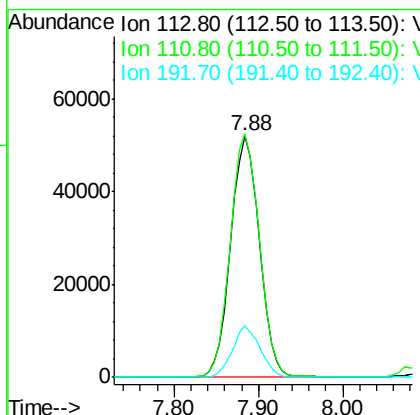
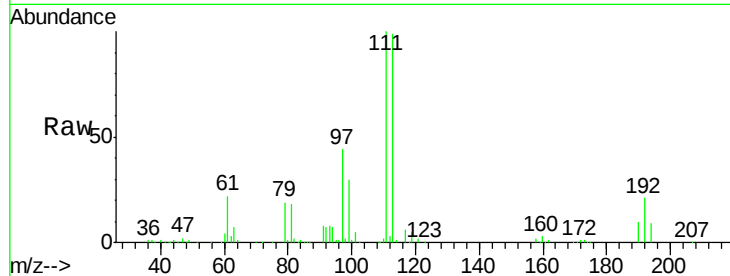
#35
 Dibromofluoromethane
 Concen: 50.193 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120186		
111	102.3	82.7	124.1	
192	20.5	16.2	24.2	

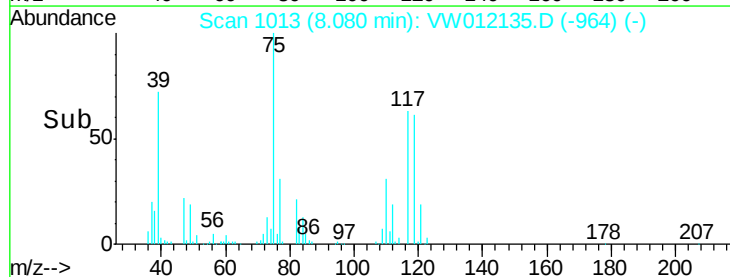
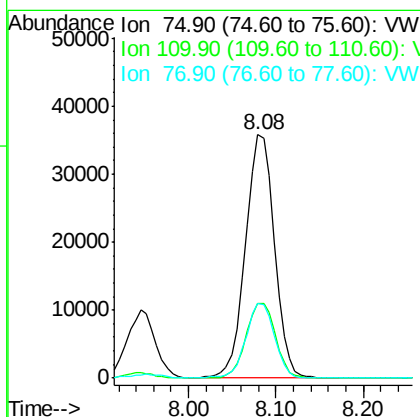
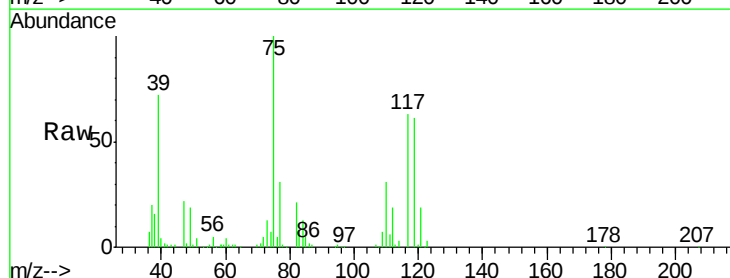
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#36
 1,1-Dichloropropene
 Concen: 19.886 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82436		
110	31.1	15.6	46.8	
77	30.7	24.6	36.8	





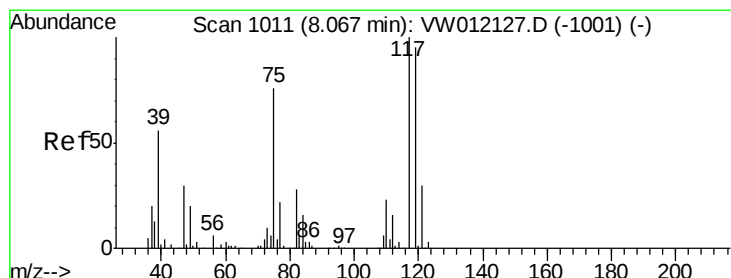
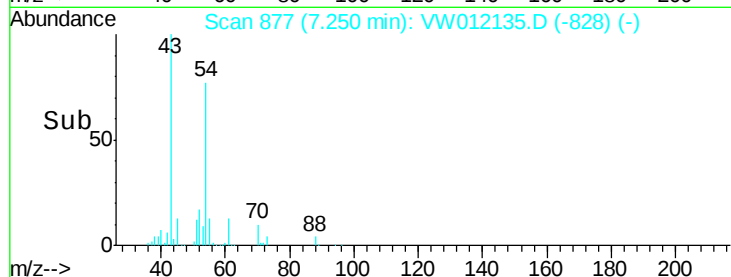
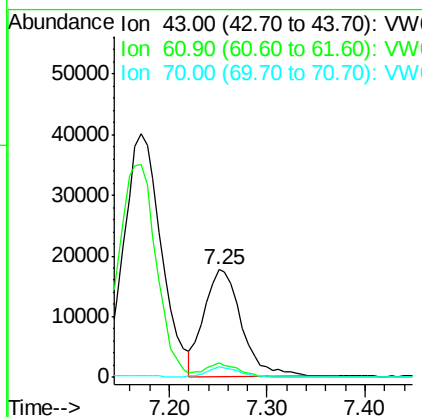
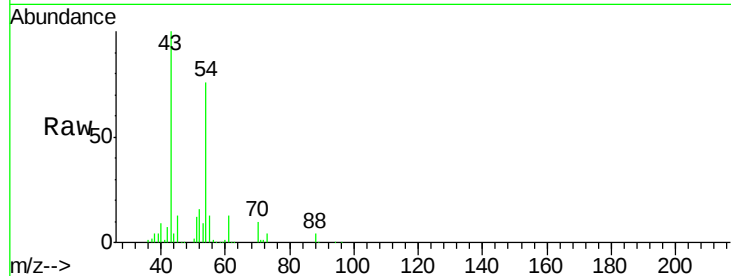
#37
Ethyl Acetate
Concen: 20.619 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleID :
VW0823SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.2	13.8
70	8.6	6.9	10.3

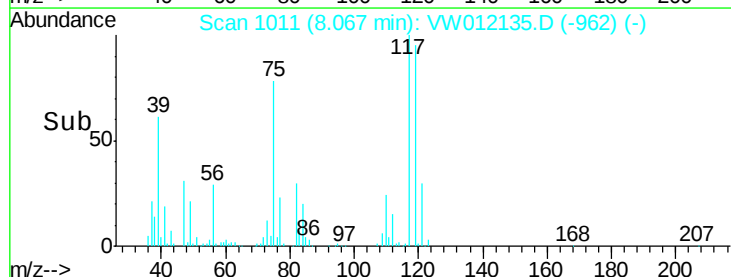
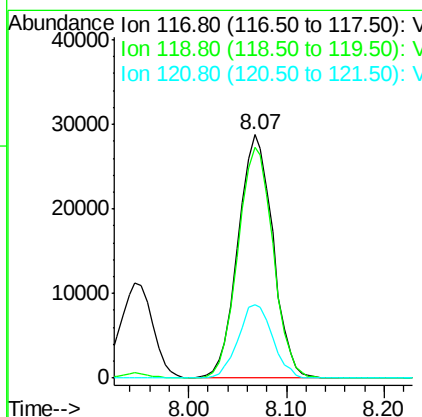
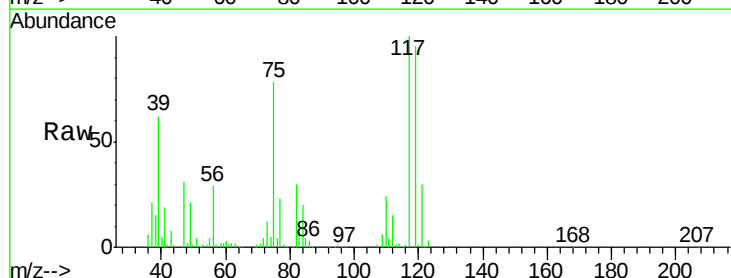
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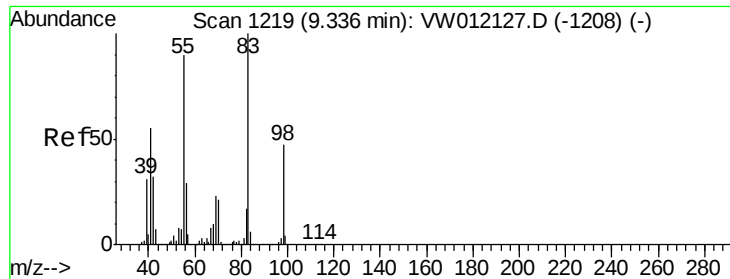
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#38
Carbon Tetrachloride
Concen: 19.860 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.2	114.2
121	30.4	23.8	35.8





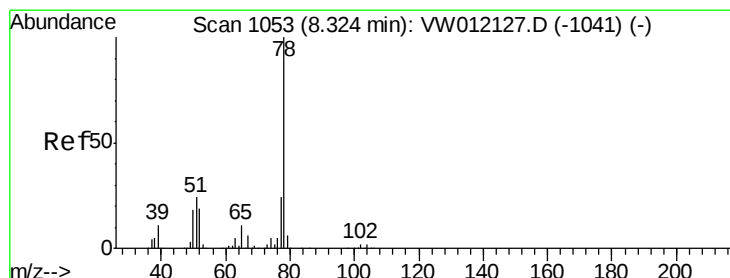
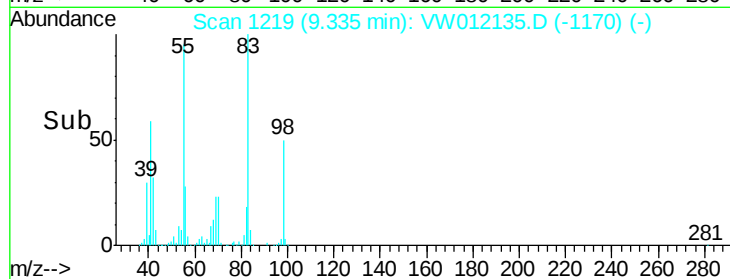
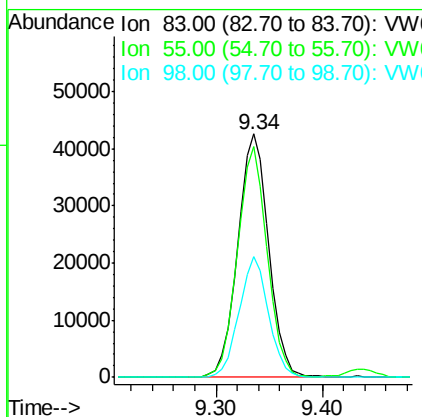
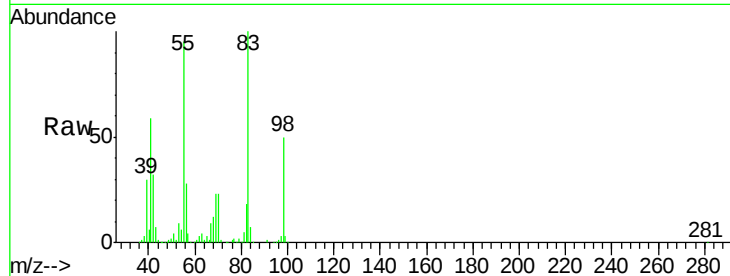
#39
Methvlcvclohexane
Concen: 18.630 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.9	71.8	107.8
98	49.7	37.8	56.8

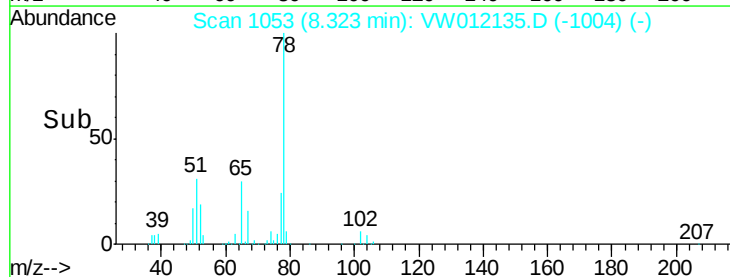
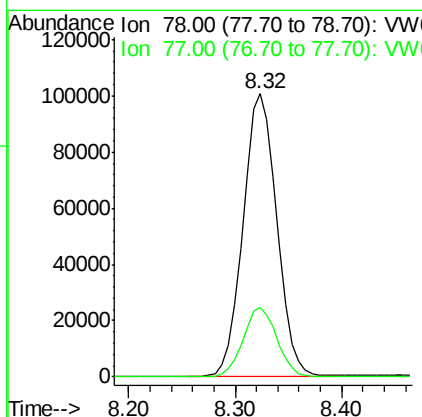
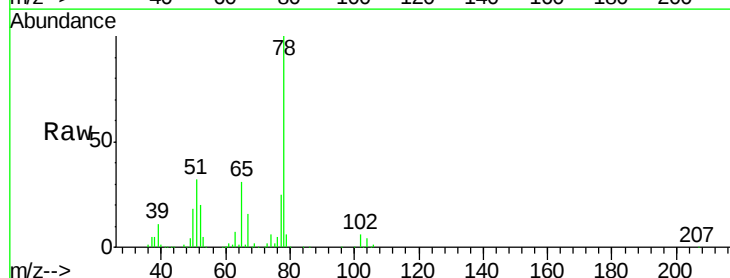
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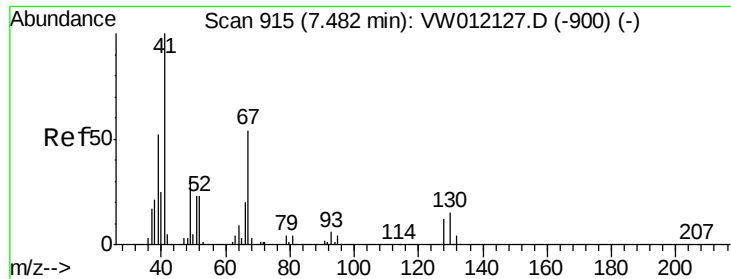
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#40
Benzene
Concen: 19.840 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





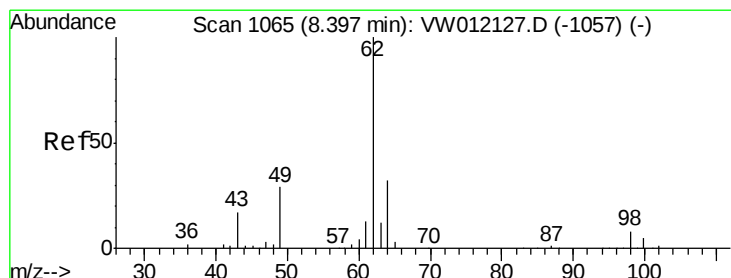
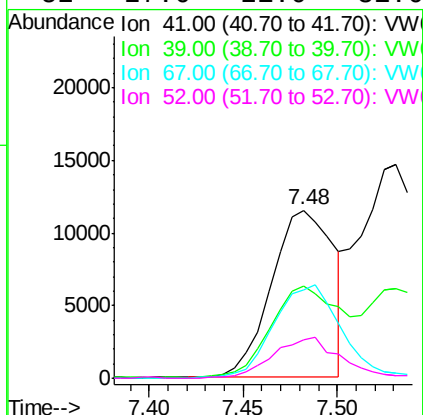
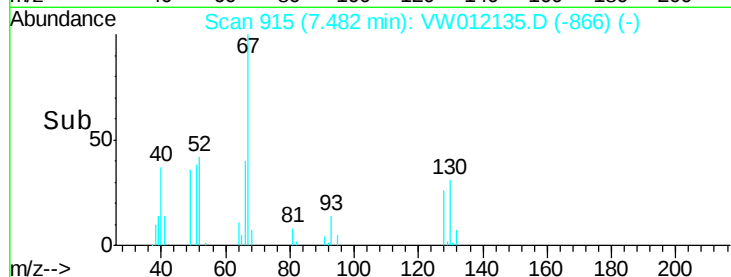
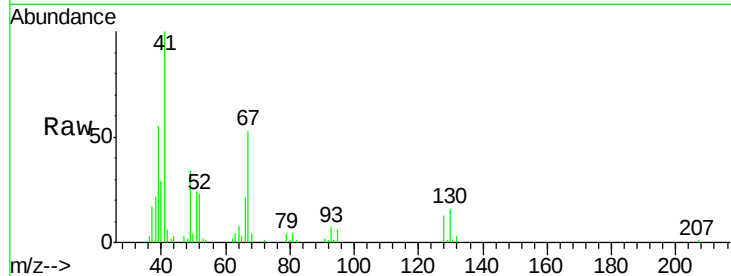
#41
Methacrylonitrile
Concen: 19.671 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	41	Resp	26263
Ion	Ratio	Lower	Upper
41	100		
39	61.7	45.8	68.8
67	61.7	46.2	69.4
52	27.6	21.0	31.6

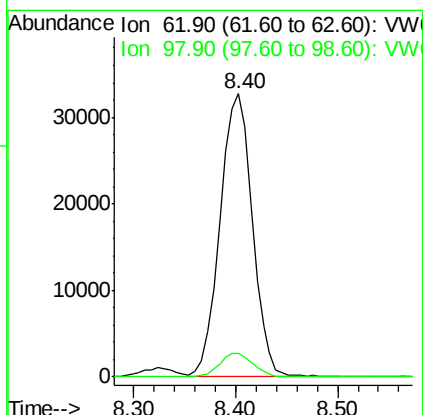
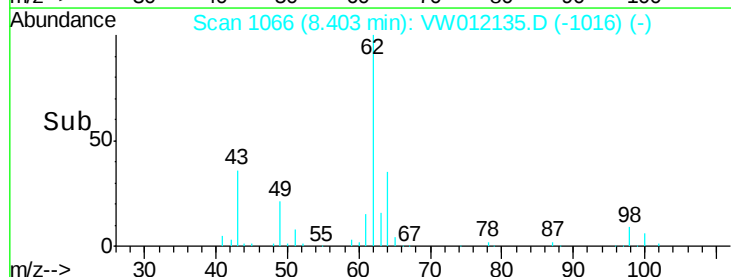
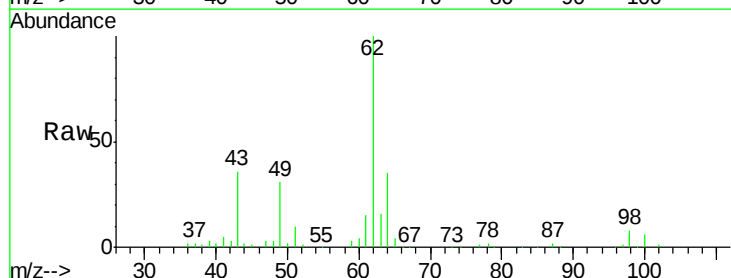
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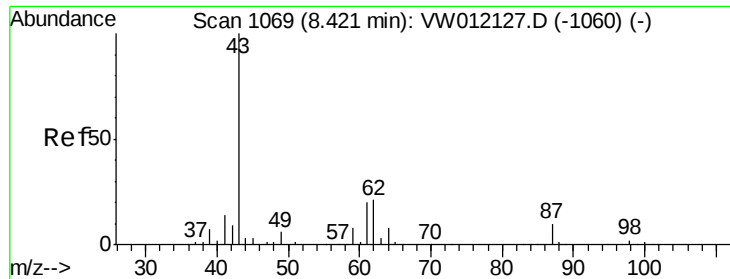
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#42
1,2-Dichloroethane
Concen: 20.342 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	62	Resp	72165
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.807 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

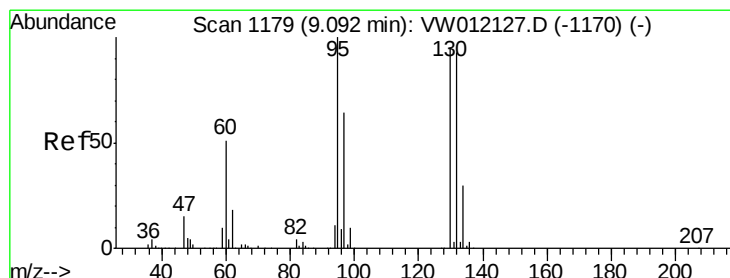
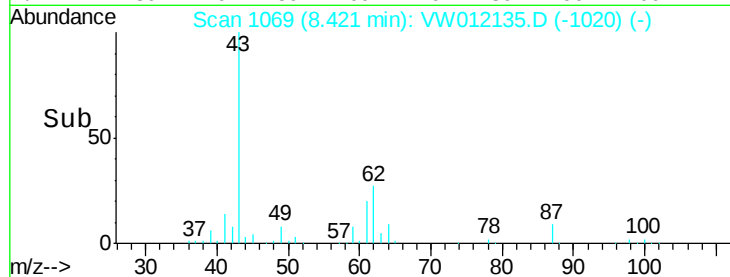
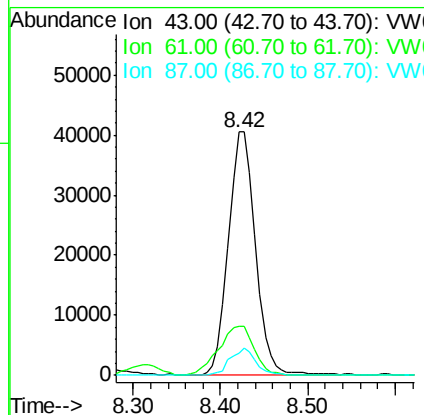
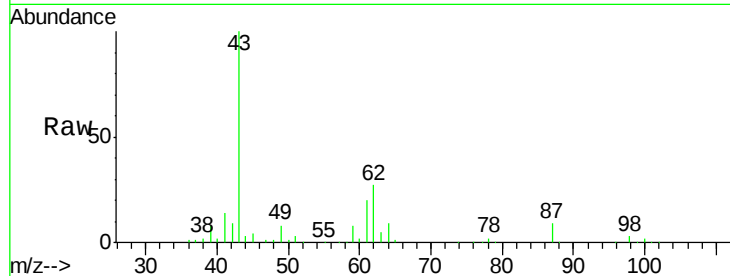
ClientSampleId :

VW0823SBS01

Tot Ion:	43	Resp:	87550
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.1	31.7
87	10.5	8.2	12.2

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#44

Trichloroethene

Concen: 19.795 ug/l

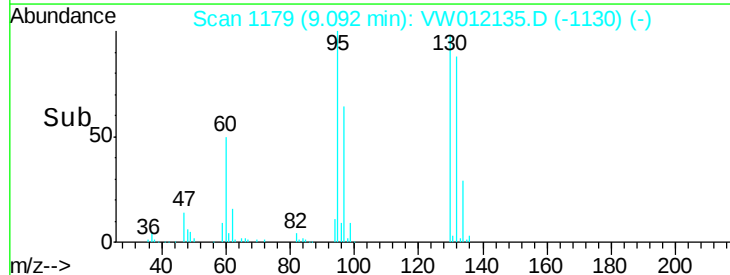
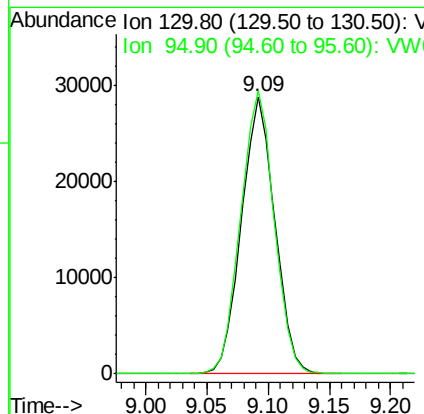
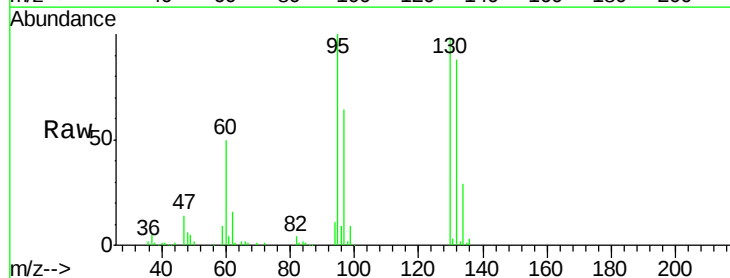
RT: 9.09 min Scan# 1179

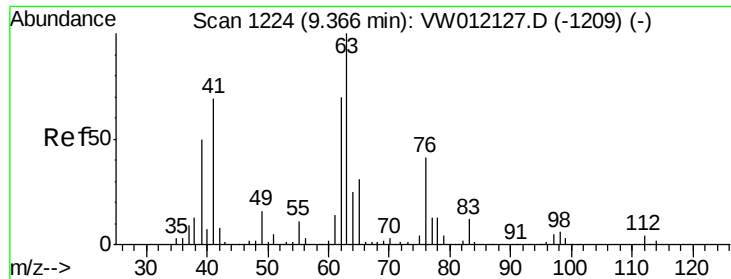
Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Tgt Ion:	130	Resp:	54469
Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	210.6





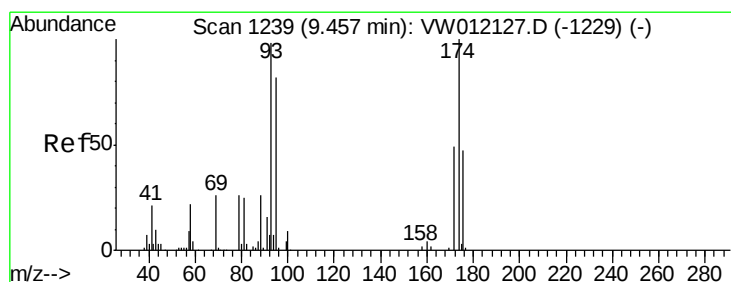
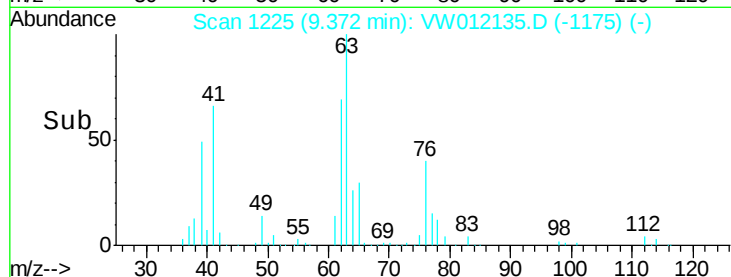
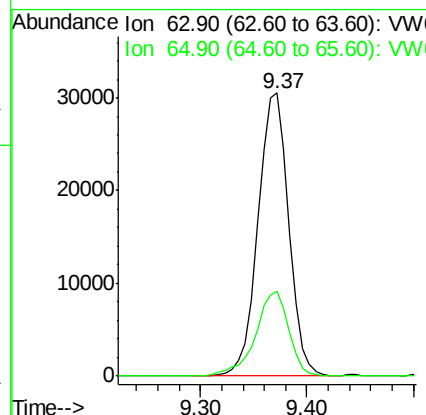
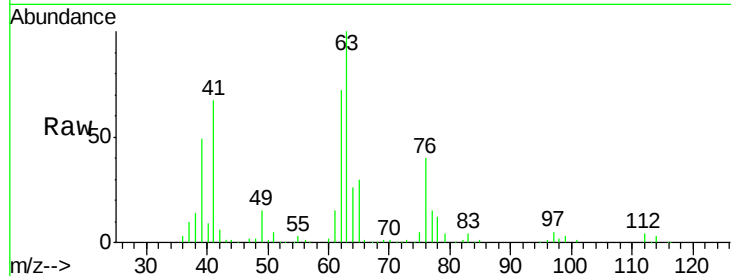
#45
1,2-Dichloropropane
Concen: 20.309 ug/l
RT: 9.37 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion: 63 Resp: 61868
Ion Ratio Lower Upper
63 100
65 30.1 25.0 37.4

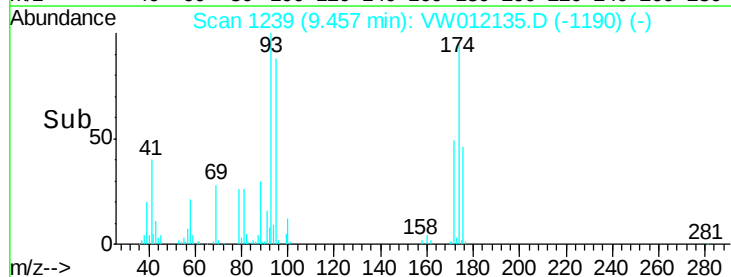
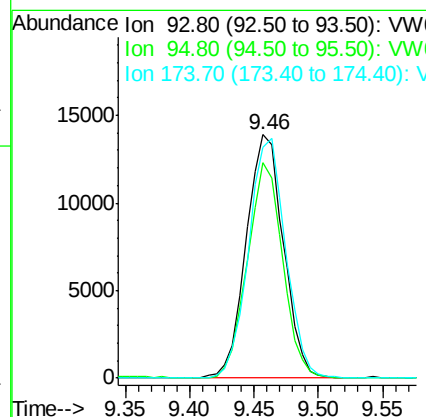
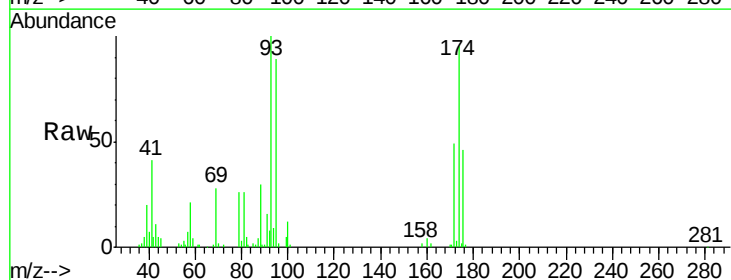
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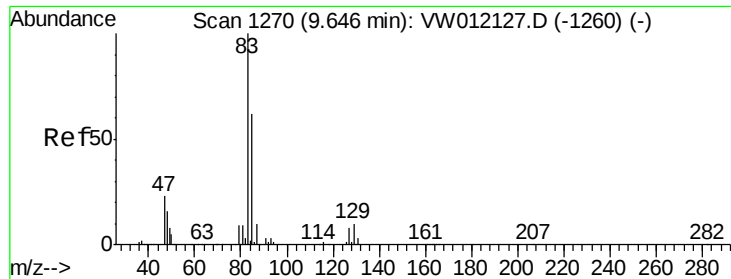
MMDadoda
8/26/2019 11:38:37 AM



#46
Dibromomethane
Concen: 20.392 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 93 Resp: 27640
Ion Ratio Lower Upper
93 100
95 84.3 67.2 100.8
174 98.0 79.0 118.6





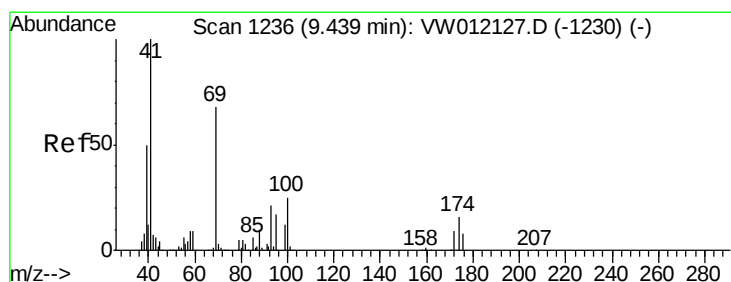
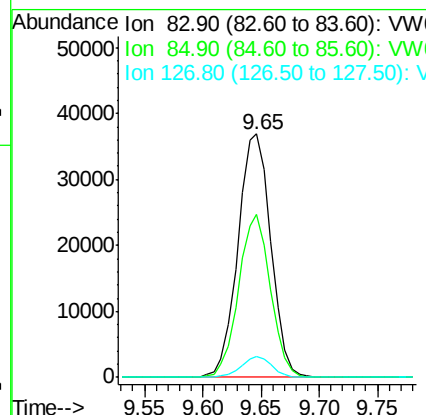
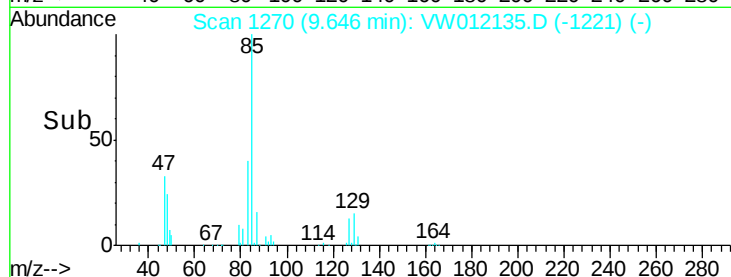
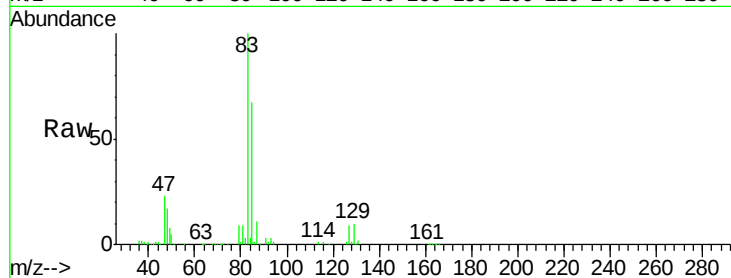
#47
Bromodichloromethane
Concen: 20.099 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	72506		
85	66.8		49.4	74.2
127	8.5		6.1	9.1

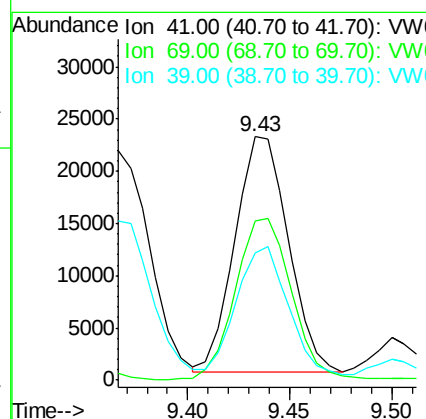
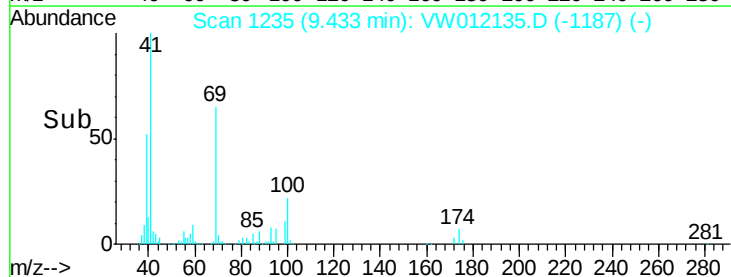
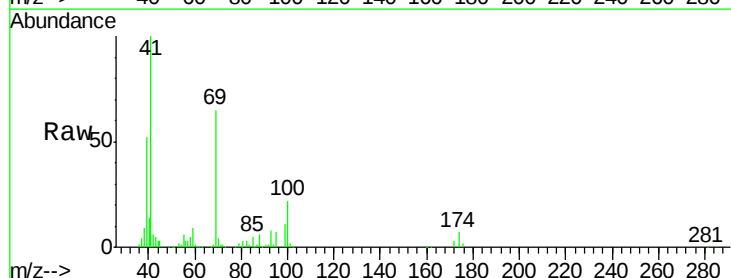
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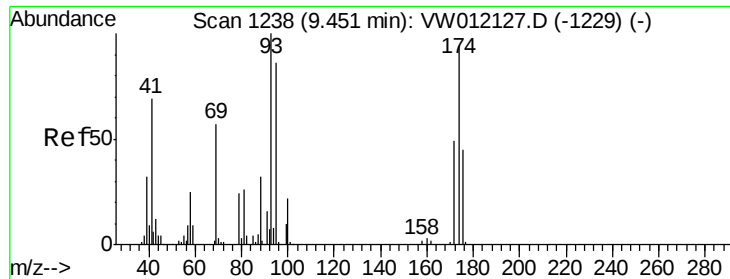
MMDadoda
8/26/2019 11:38:37 AM



#48
Methyl methacrylate
Concen: 20.439 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	40933		
69	72.0		56.7	85.1
39	57.4		42.0	63.0





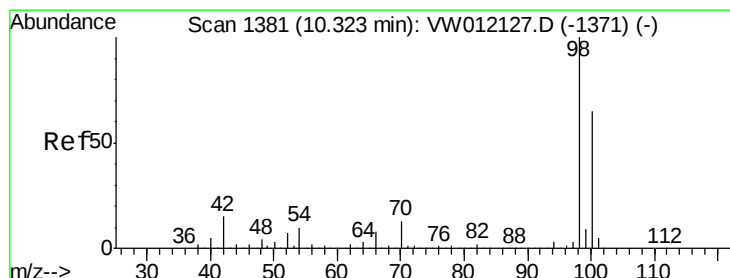
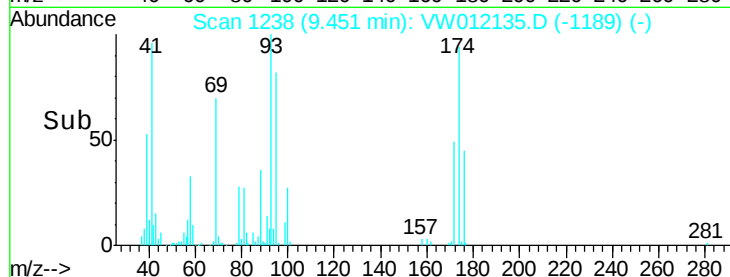
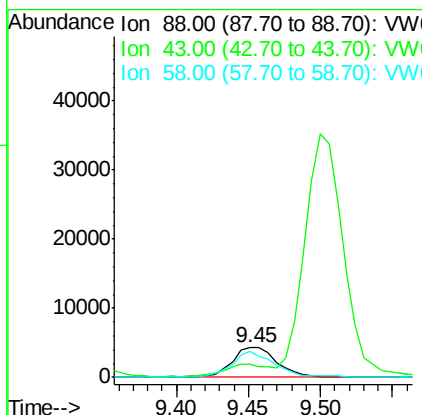
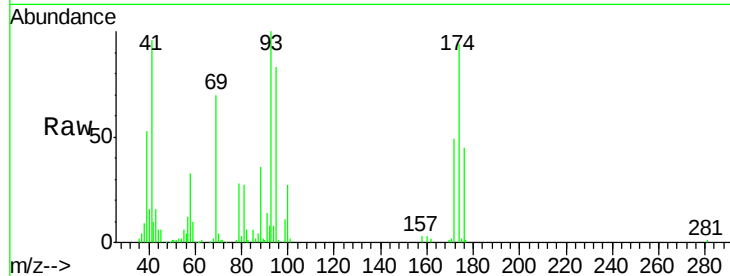
#49
1,4-Dioxane
Concen: 450.359 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tot Ion	88	Resp	9345
Ion	Ratio	Lower	Upper
88	100		
43	39.3	32.9	49.3
58	86.7	71.0	106.4

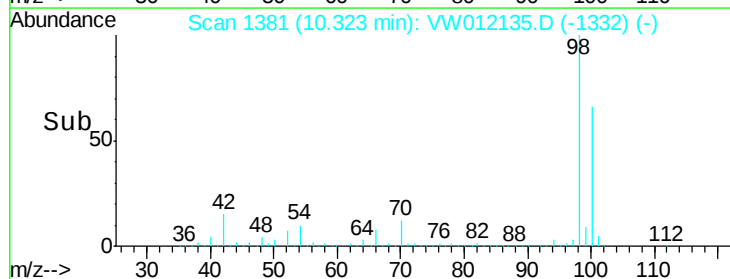
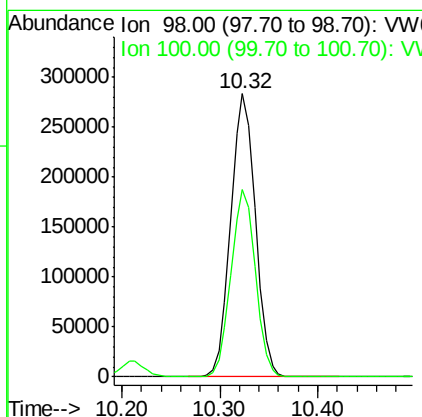
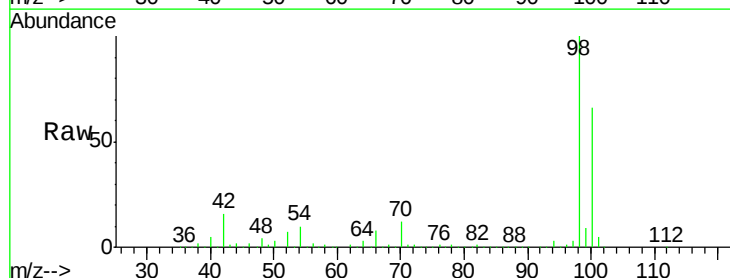
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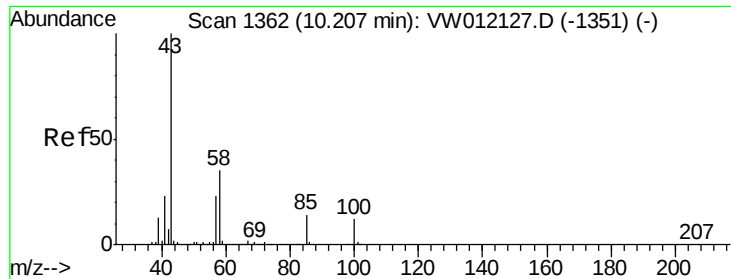
MMDadoda
8/26/2019 11:38:37 AM



#50
Toluene-d8
Concen: 51.077 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	98	Resp	495906
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 105.532 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tot Ion: 43 Resp: 225860

Ion Ratio Lower Upper

43 100

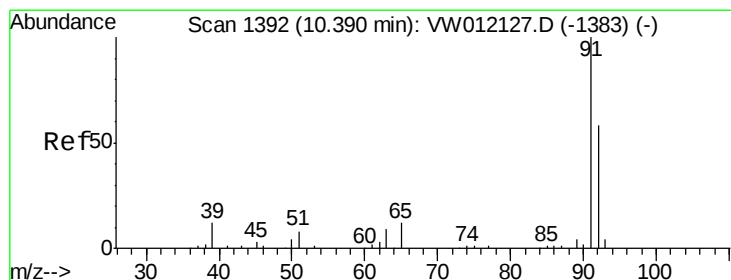
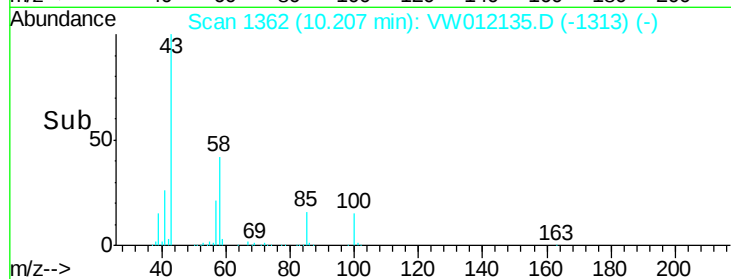
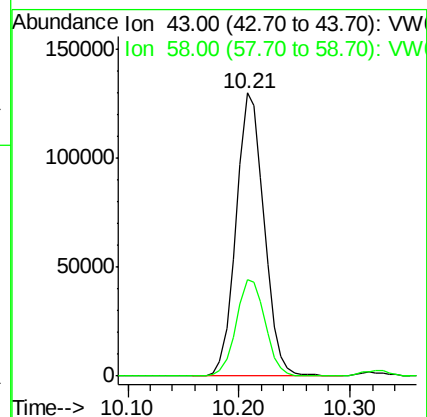
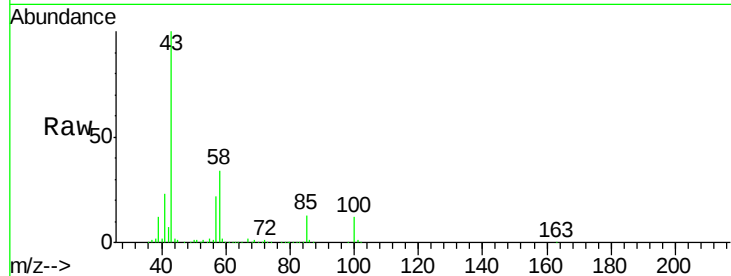
58 35.3 28.2 42.2

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#52

Toluene

Concen: 19.914 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012135.D

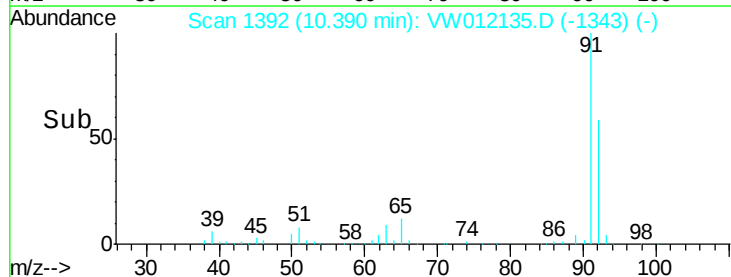
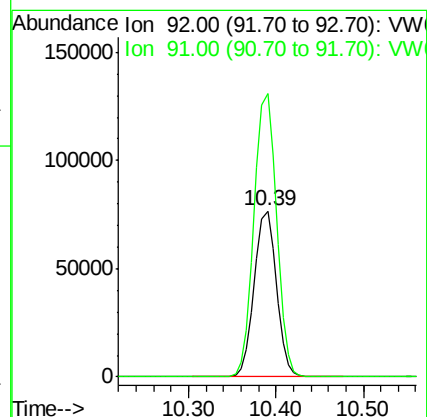
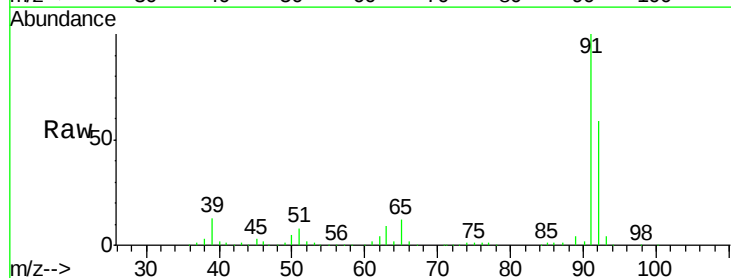
Acq: 23 Aug 2019 16:23

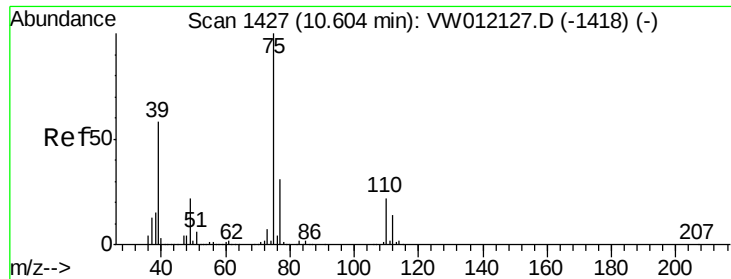
Tgt Ion: 92 Resp: 135420

Ion Ratio Lower Upper

92 100

91 173.3 136.6 204.8





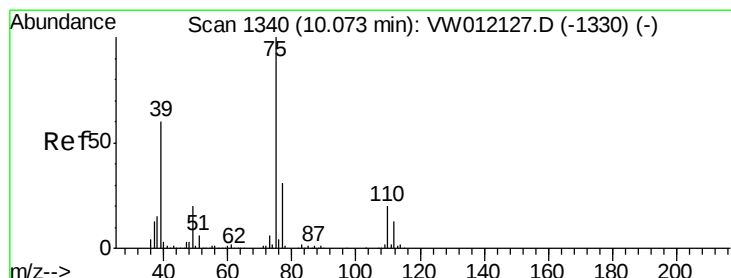
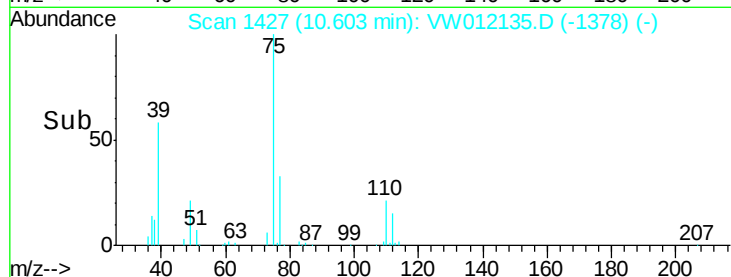
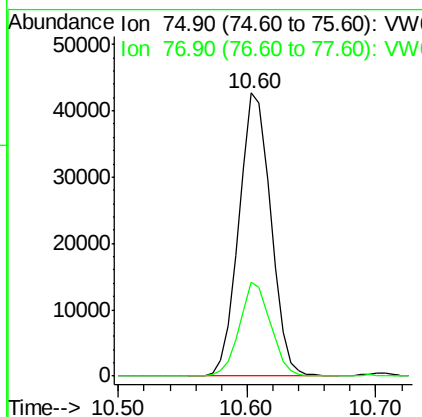
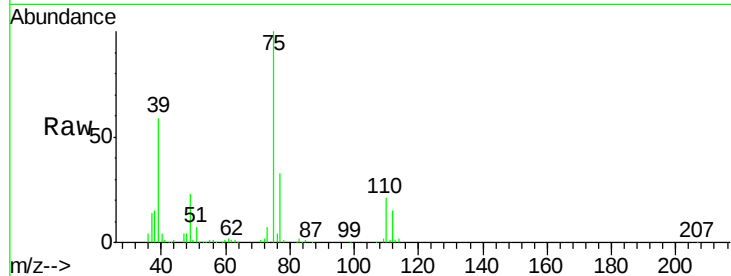
#53
t-1,3-Dichloropropene
Concen: 19.941 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion: 75 Resp: 73273
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.4

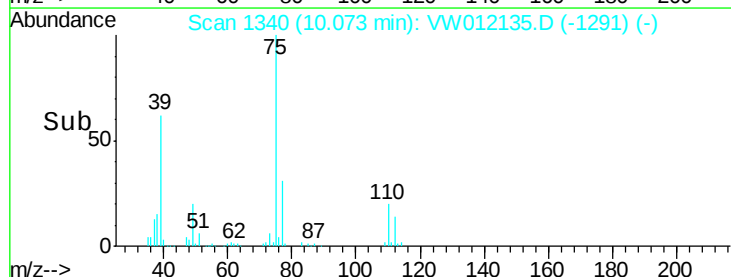
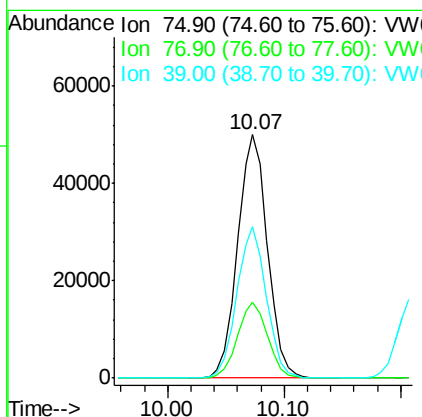
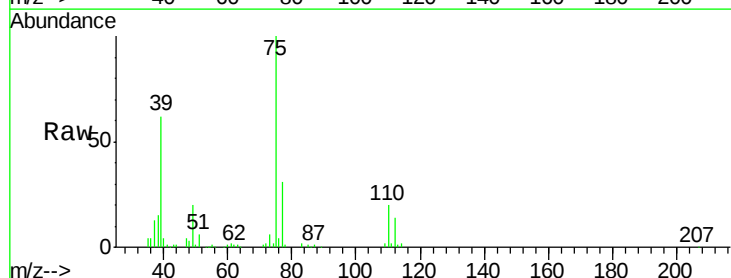
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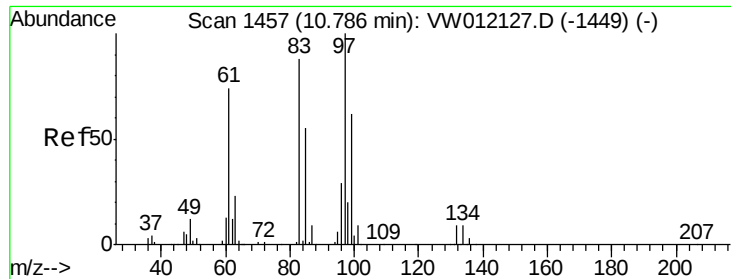
MMDadoda
8/26/2019 11:38:37 AM



#54
cis-1,3-Dichloropropene
Concen: 20.102 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion: 75 Resp: 89190
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7
39 62.0 48.3 72.5





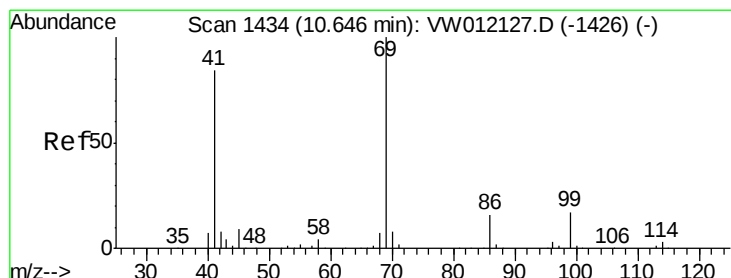
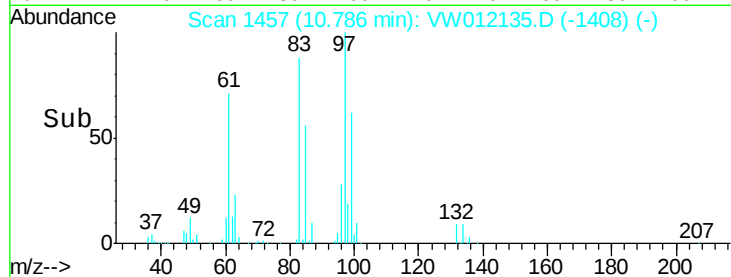
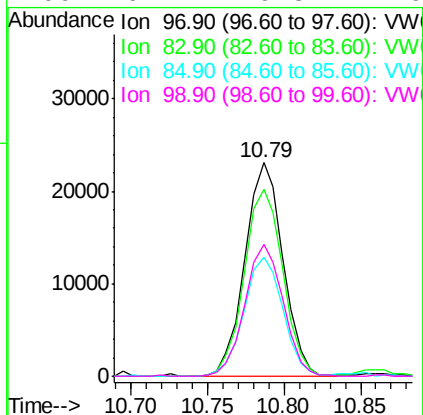
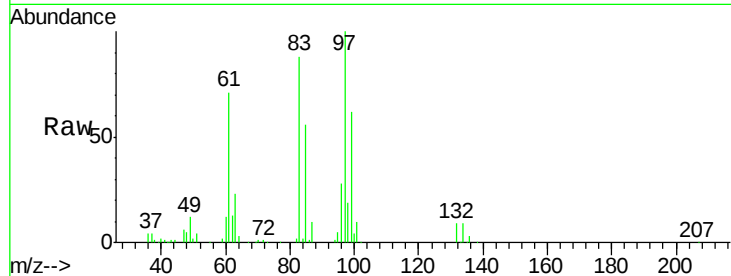
#55
 1,1,2-Trichloroethane
 Concen: 20.763 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBSD01

Tot Ion:	97	Resp:	39819
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.8	106.2
85	56.0	43.8	65.8
99	62.1	49.8	74.6

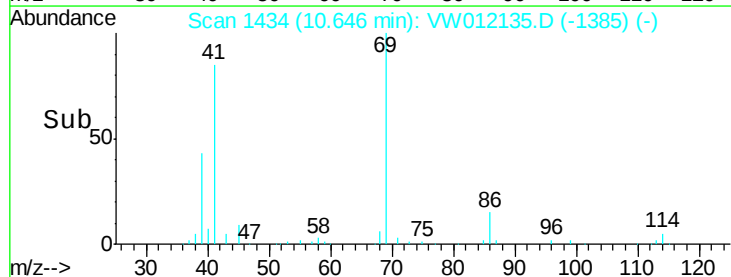
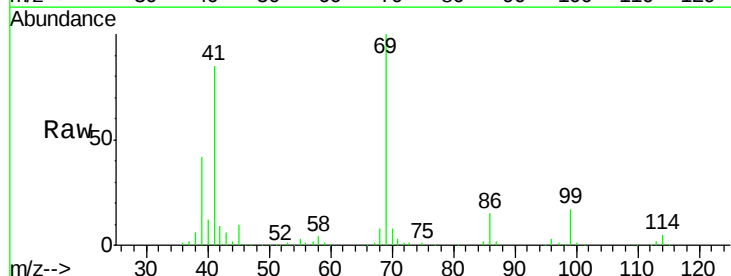
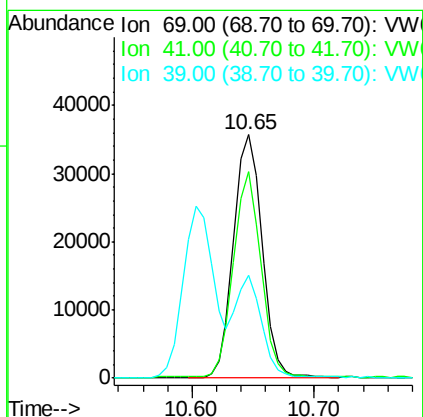
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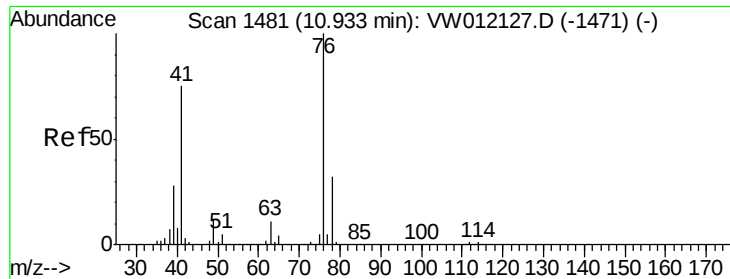
MMDadoda
 8/26/2019 11:38:37 AM



#56
 Ethyl methacrylate
 Concen: 20.811 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion:	69	Resp:	58086
Ion	Ratio	Lower	Upper
69	100		
41	81.9	66.5	99.7
39	37.9	31.0	46.4





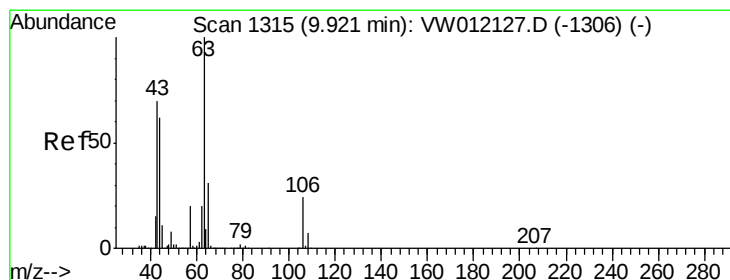
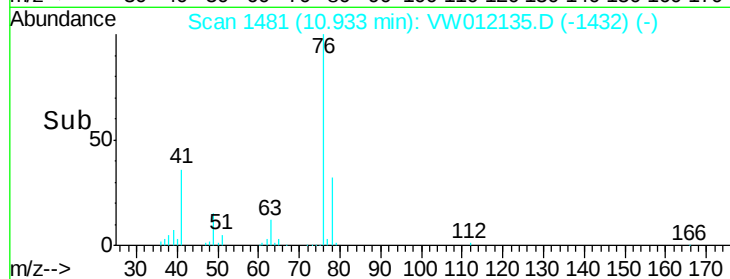
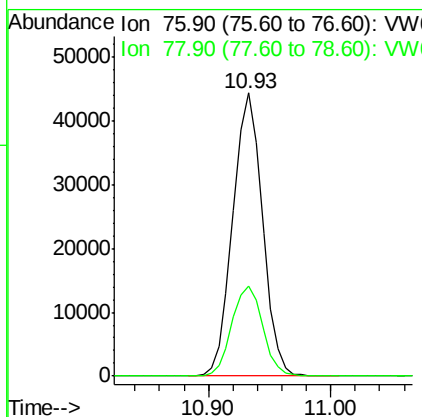
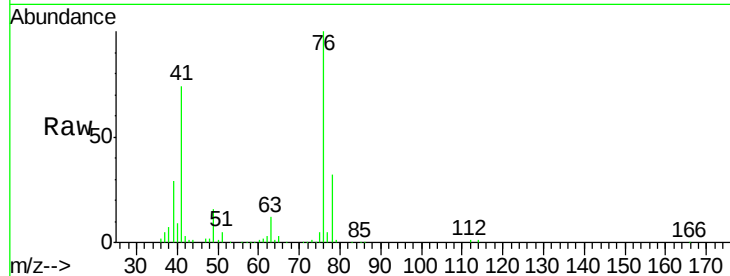
#57
 1,3-Dichloropropane
 Concen: 20.592 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Tot Ion: 76 Resp: 74626
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.8 38.8

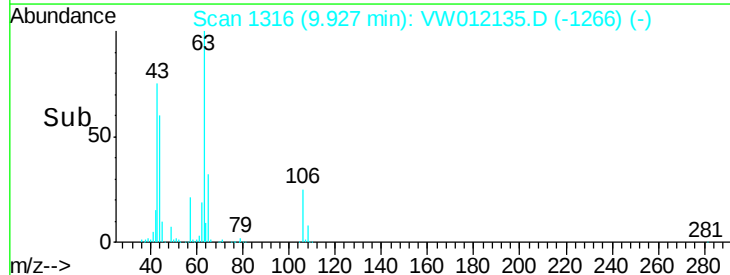
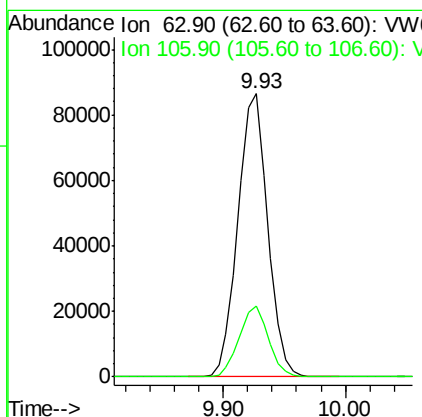
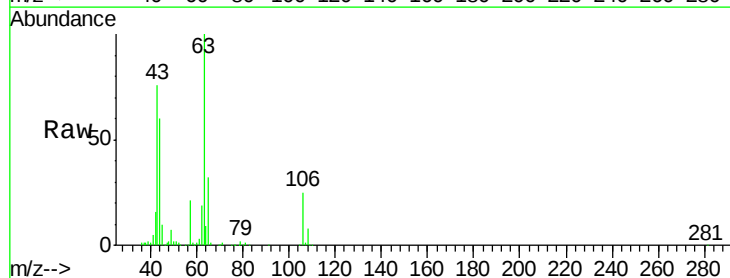
Manual Integrations
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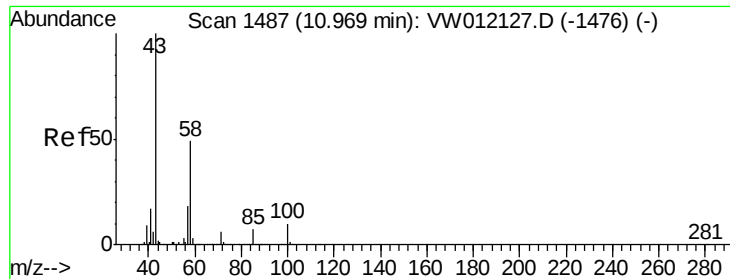
MMDadoda
 8/26/2019 11:38:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.191 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion: 63 Resp: 146386
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8





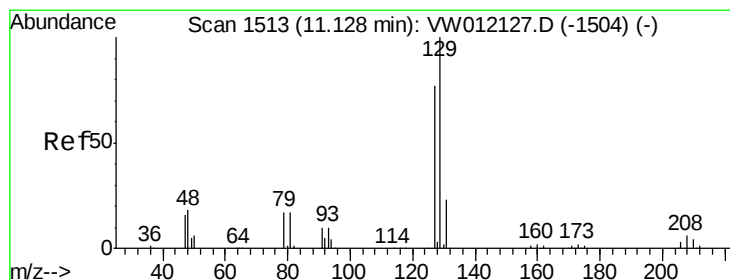
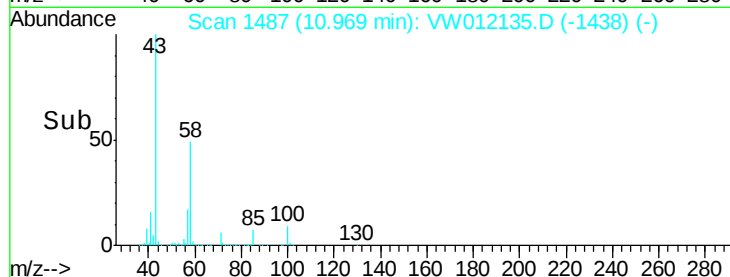
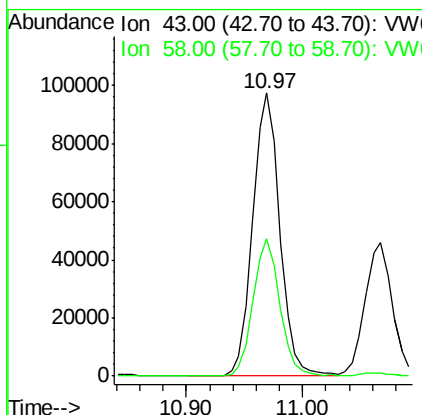
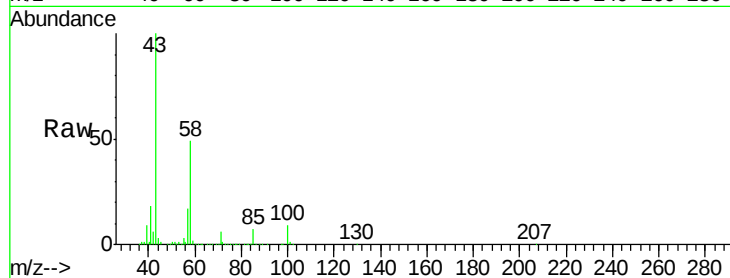
#59
2-Hexanone
Concen: 104.613 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.9	24.3	72.9

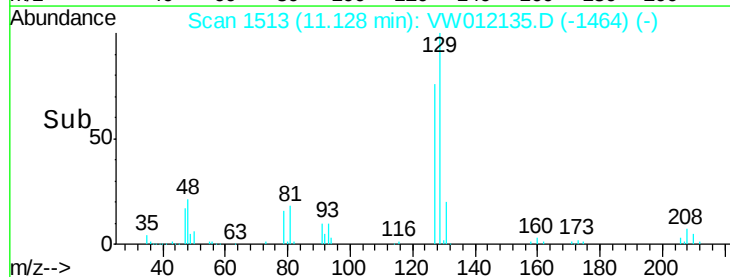
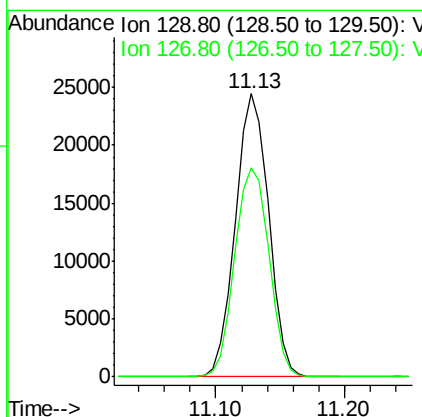
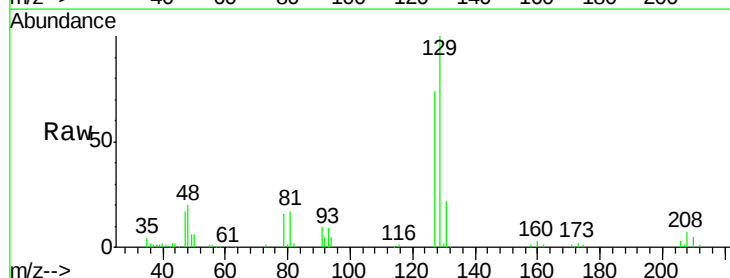
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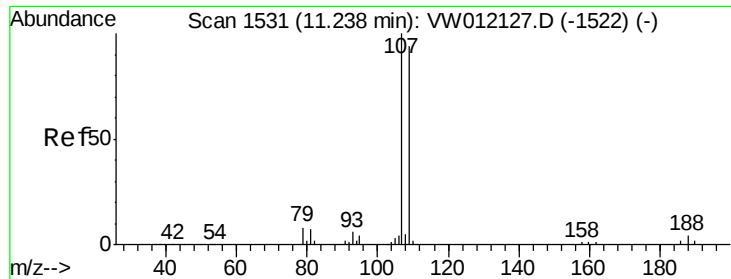
MMDadoda
8/26/2019 11:38:37 AM



#60
Dibromochloromethane
Concen: 20.487 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.8





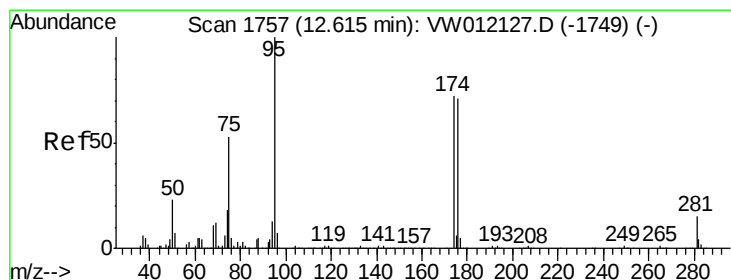
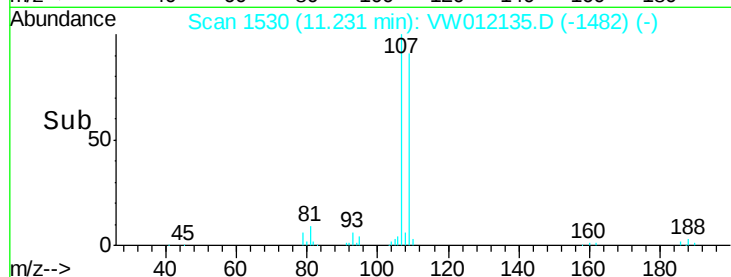
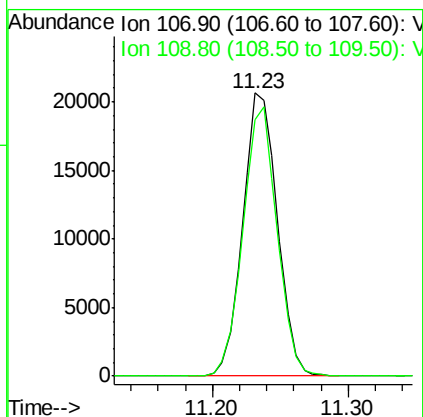
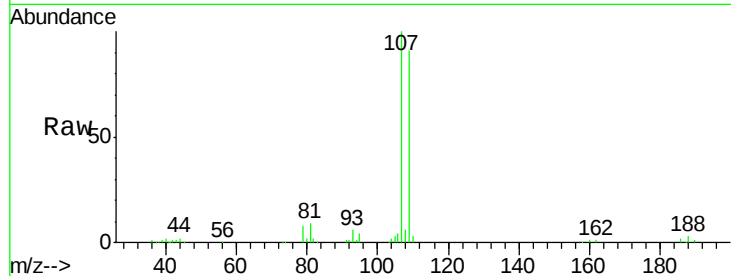
#61
 1,2-Dibromoethane
 Concen: 20.574 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.4	113.2

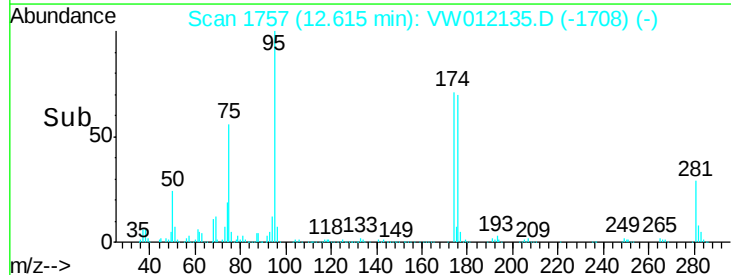
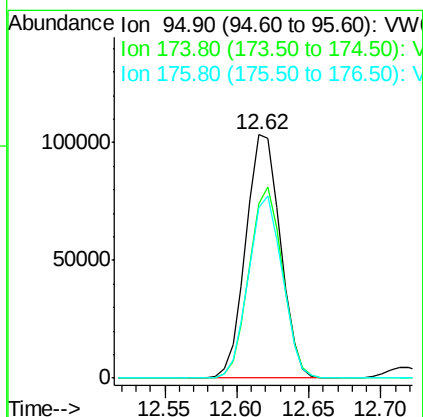
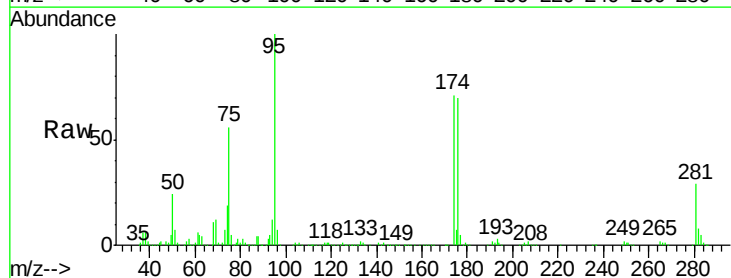
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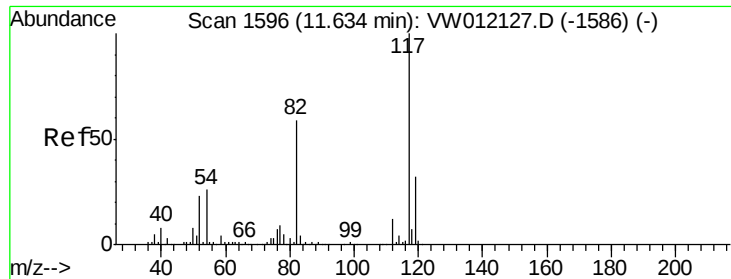
MMDadoda
 8/26/2019 11:38:37 AM



#62
 4-Bromofluorobenzene
 Concen: 50.144 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.8
176	73.6	0.0	148.6





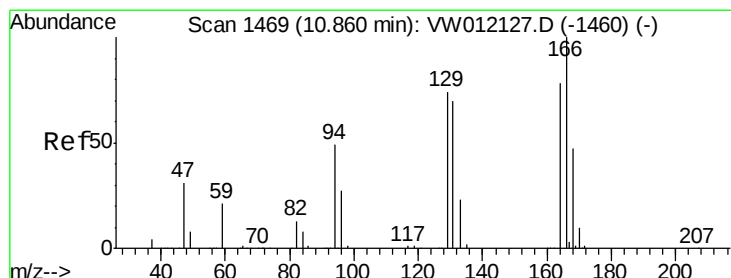
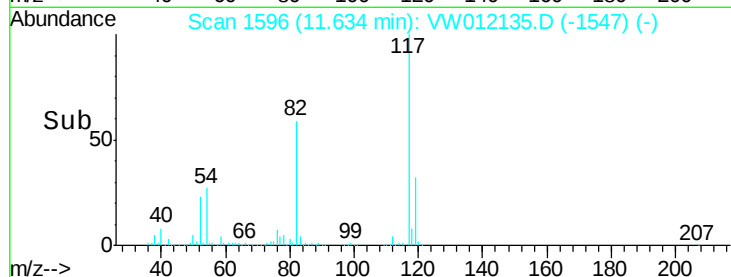
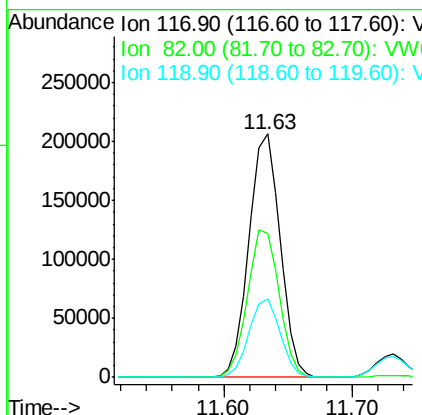
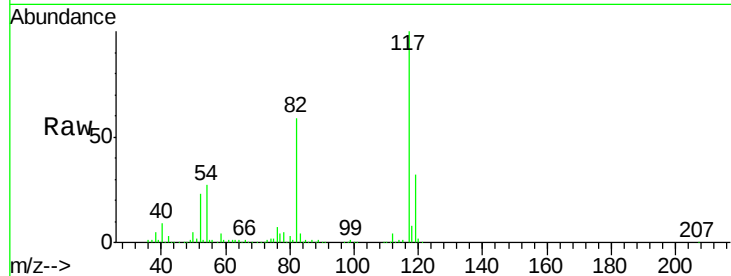
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	345999		
82	59.1		47.4	71.2
119	32.0		25.4	38.2

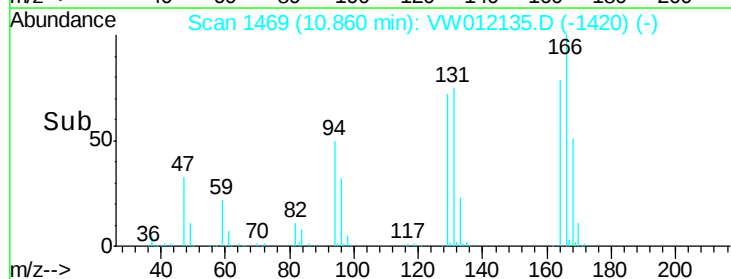
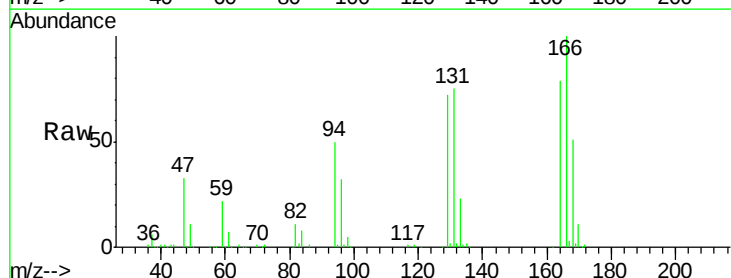
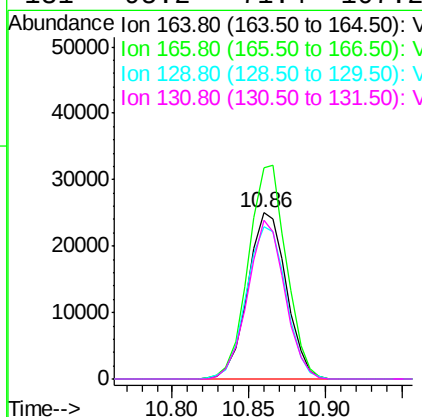
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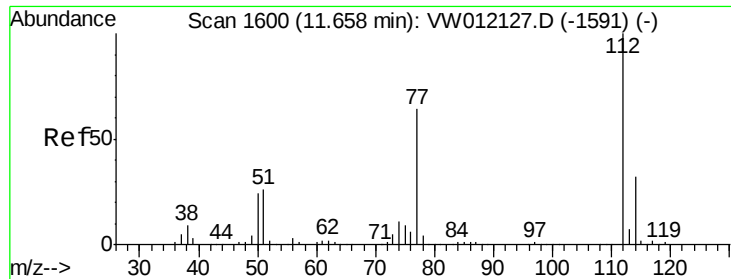
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#64
Tetrachloroethene
Concen: 19.607 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43982		
166	127.1		102.4	153.6
129	91.9		75.8	113.6
131	95.2		71.4	107.2





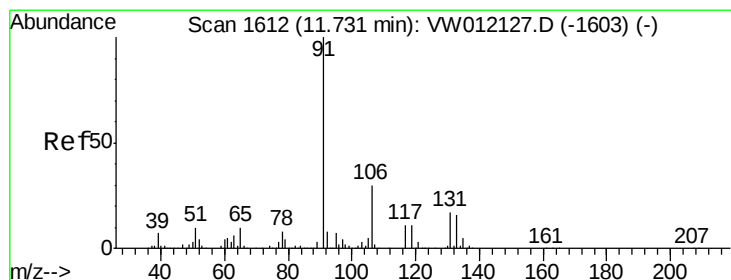
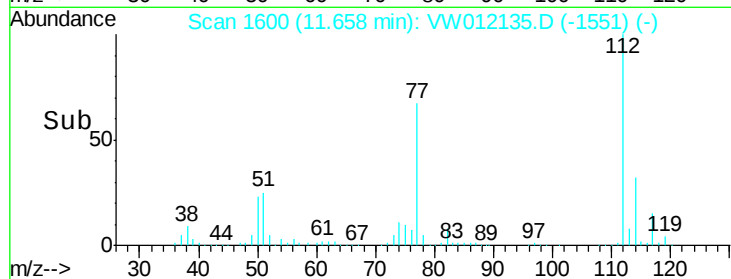
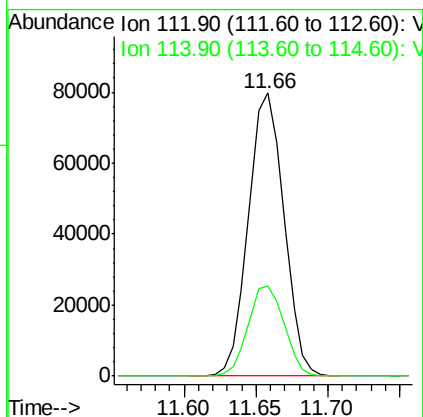
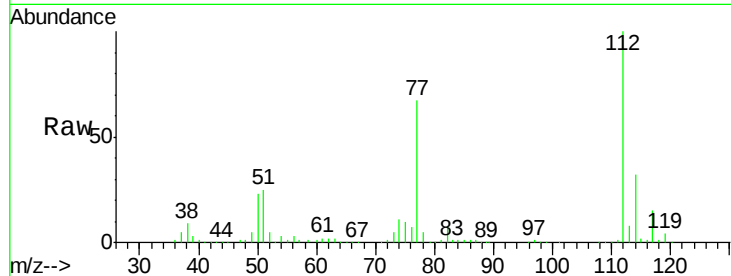
#65
Chlorobenzene
Concen: 19.979 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

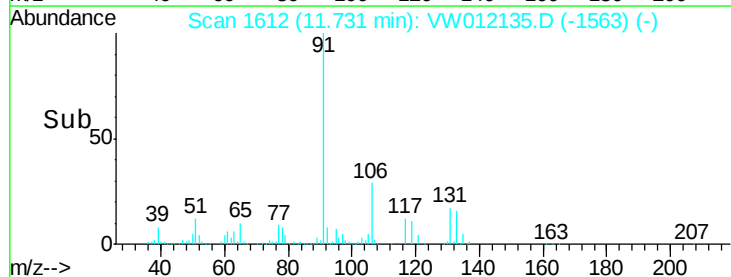
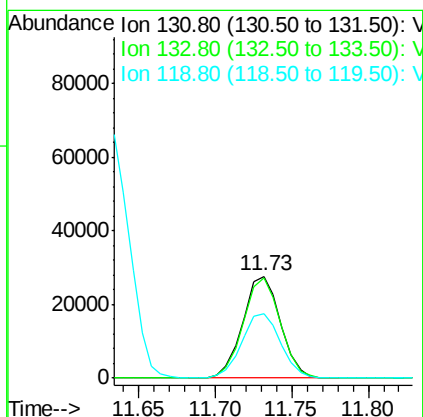
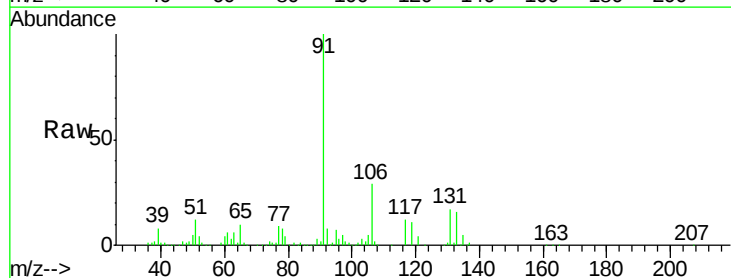
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.925 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.1	141.3
119	65.9	31.8	95.3





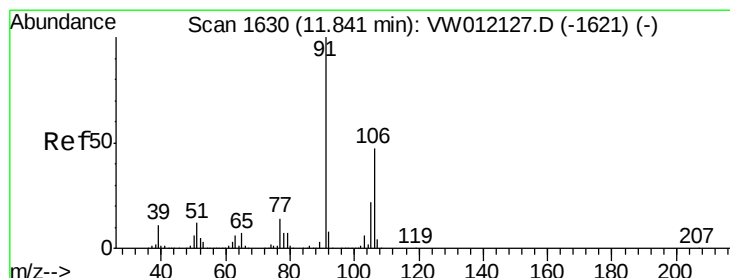
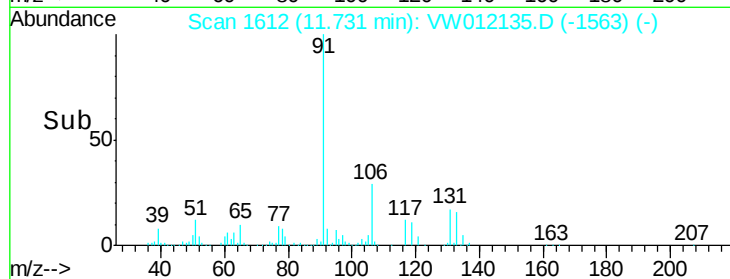
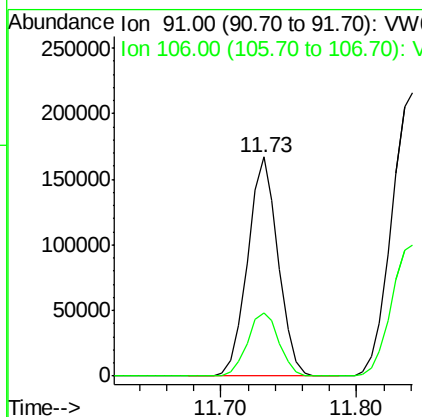
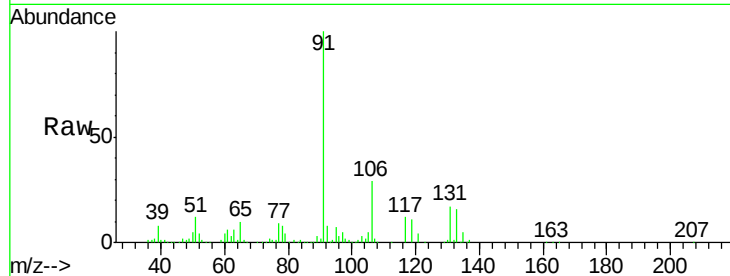
#67
Ethyl Benzene
Concen: 19.925 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.1	24.3	36.5

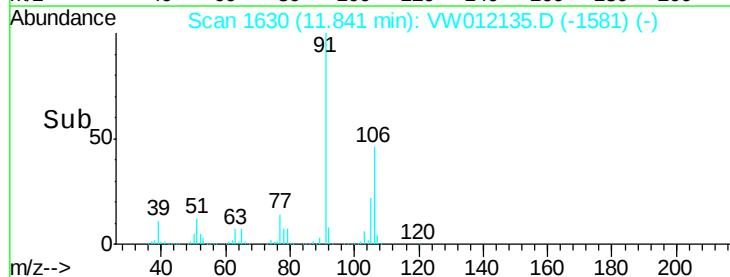
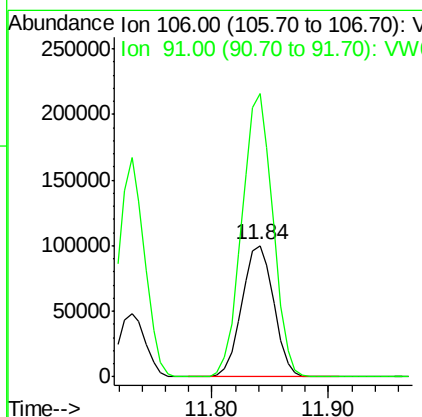
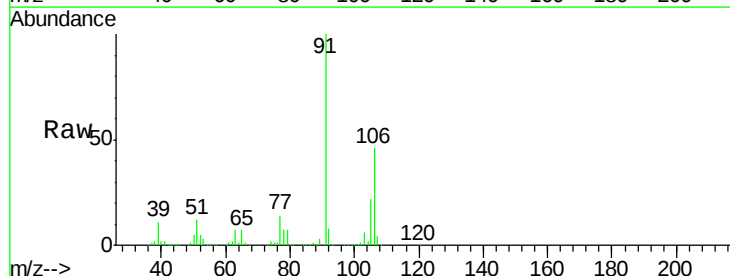
Manual Integrations
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#68
m/p-Xylenes
Concen: 40.314 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.8	169.5	254.3





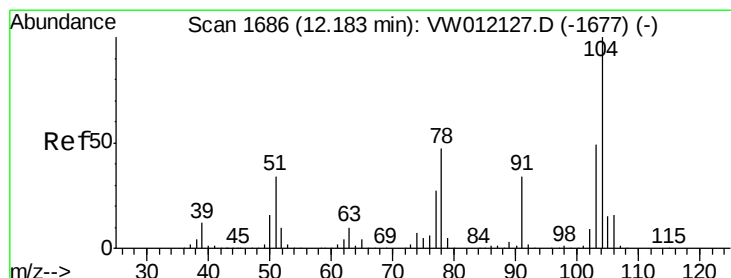
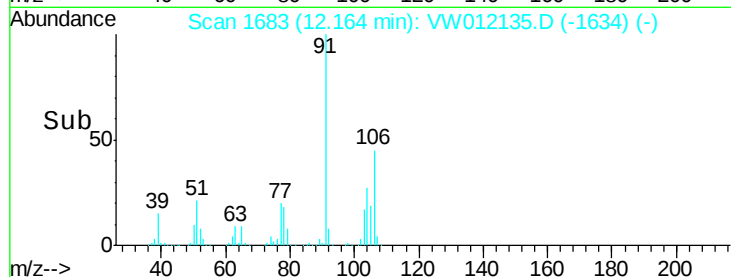
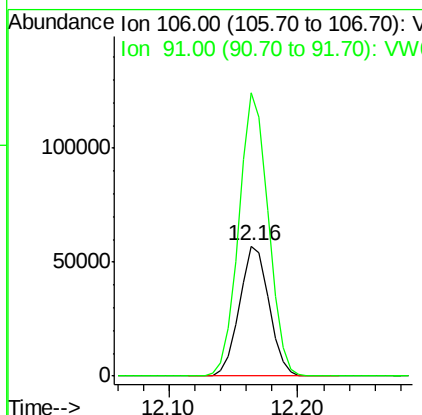
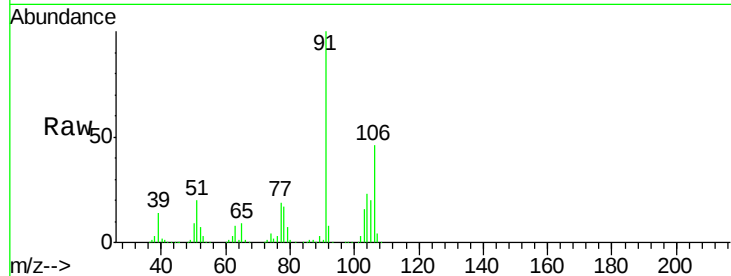
#69
o-Xylene
Concen: 20.646 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.6	111.6	334.6	

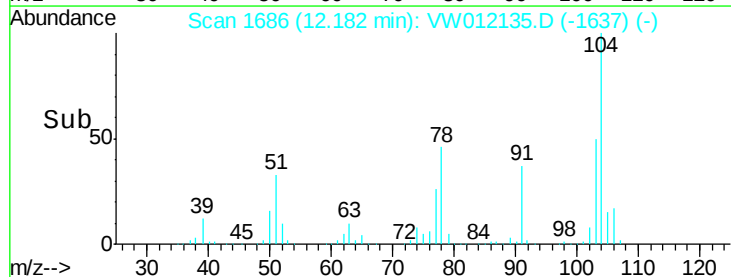
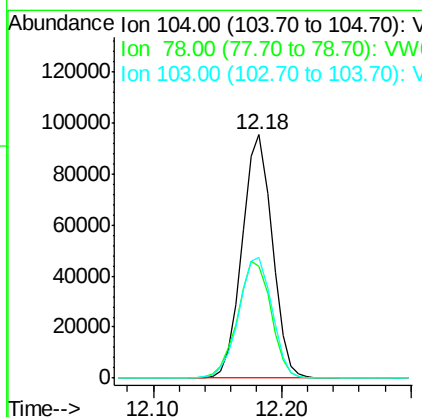
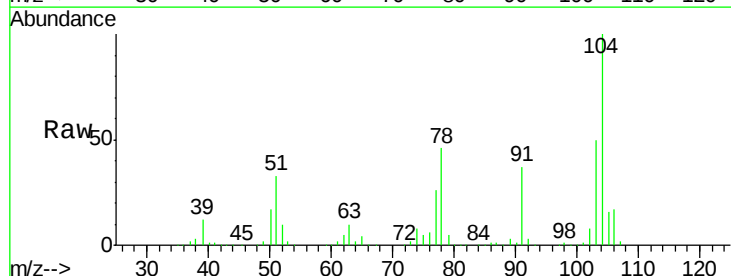
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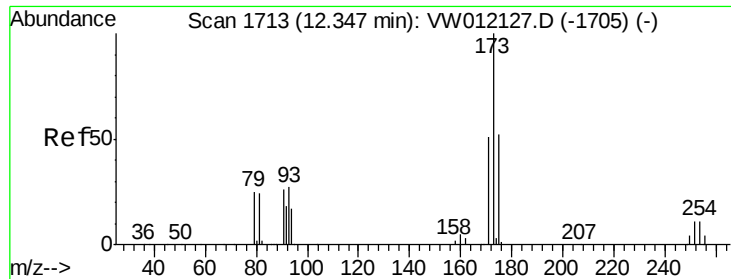
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#70
Styrene
Concen: 20.365 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.9	43.1	64.7	
103	55.0	43.5	65.3	





#71

Bromoform

Concen: 19.816 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tot Ion:173 Resp: 23466

Ion Ratio Lower Upper

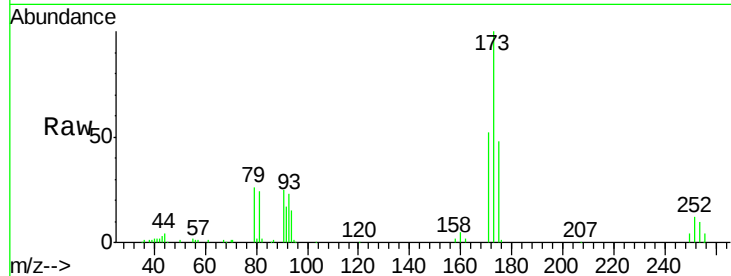
173 100

175 49.9 24.6 74.0

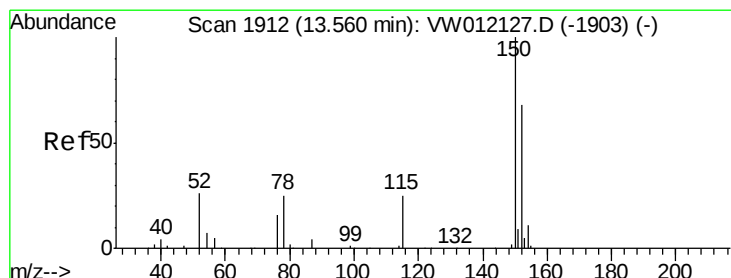
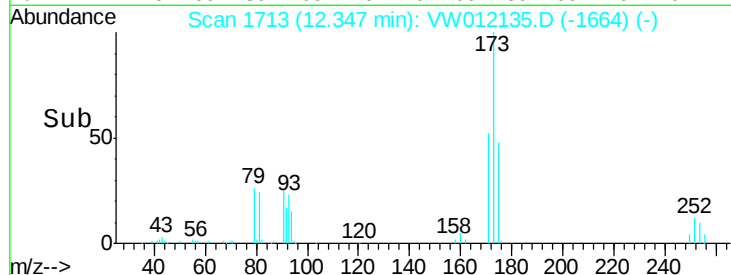
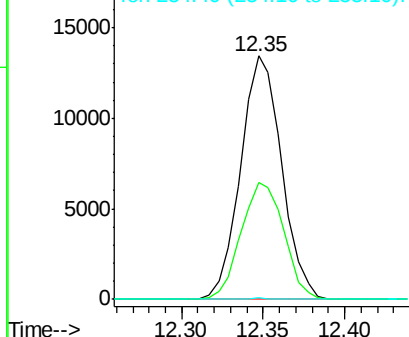
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

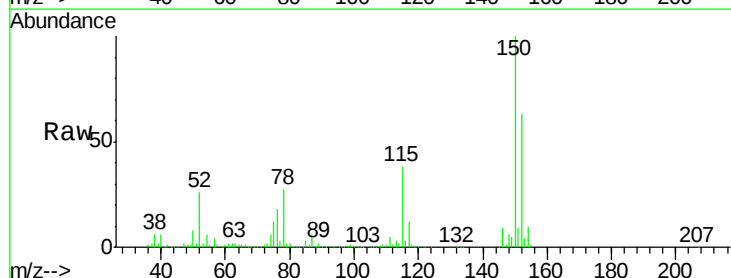
Tgt Ion:152 Resp: 165782

Ion Ratio Lower Upper

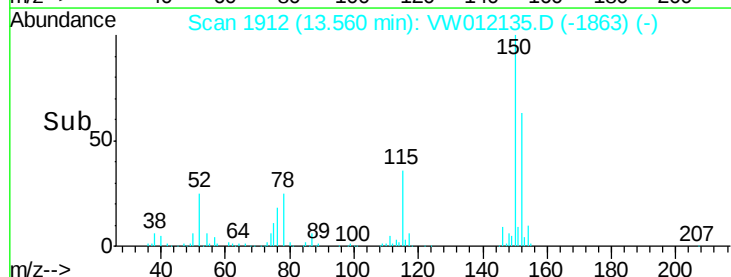
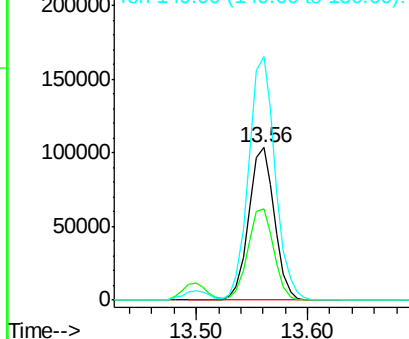
152 100

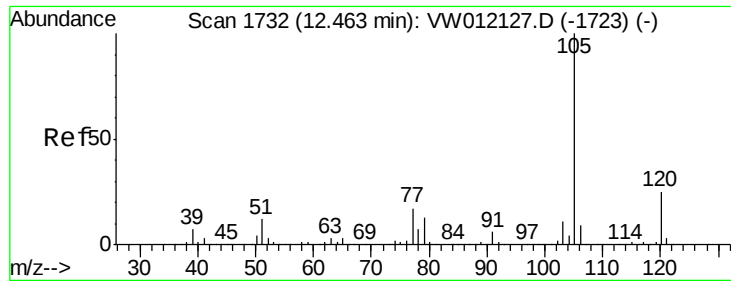
115 60.3 30.1 90.3

150 164.8 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.210 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tot Ion: 105 Resp: 251053

Ion Ratio Lower Upper

105 100

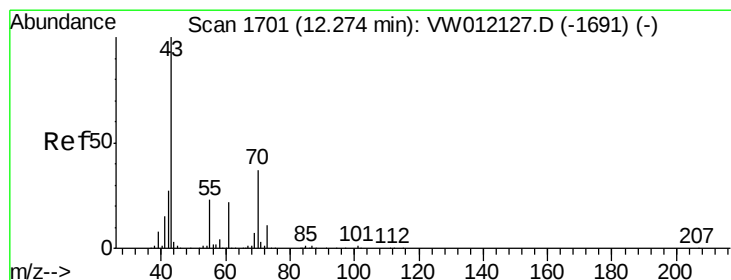
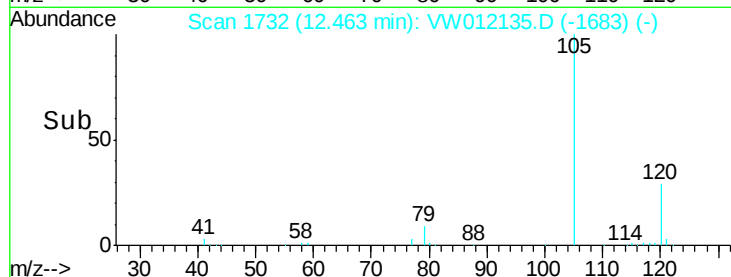
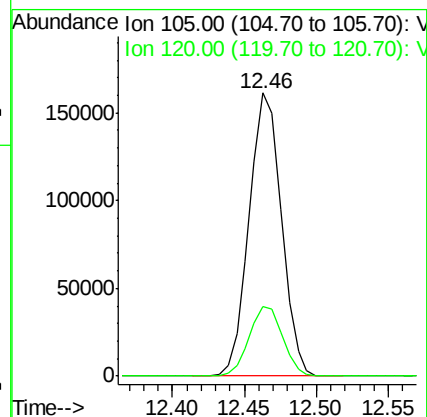
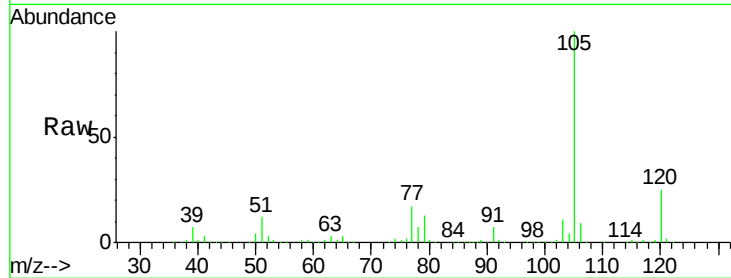
120 25.3 12.5 37.5

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#74

N-ethyl acetate

Concen: 20.722 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Tgt Ion: 43 Resp: 77772

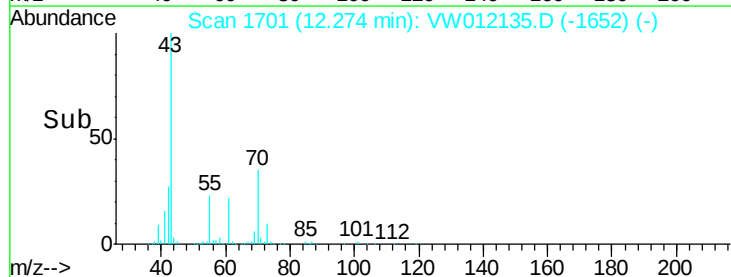
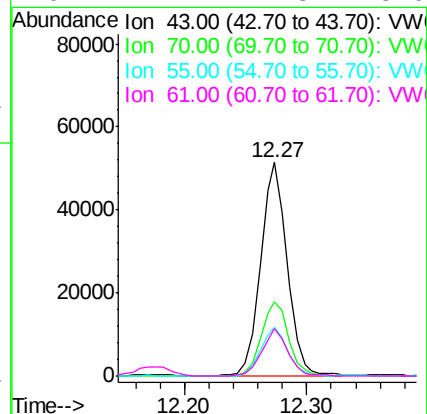
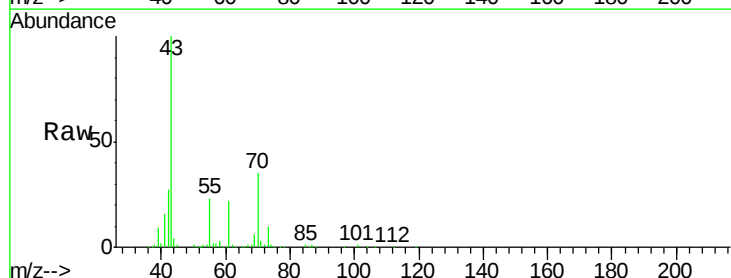
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 23.1 17.8 26.6

61 21.7 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.012 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

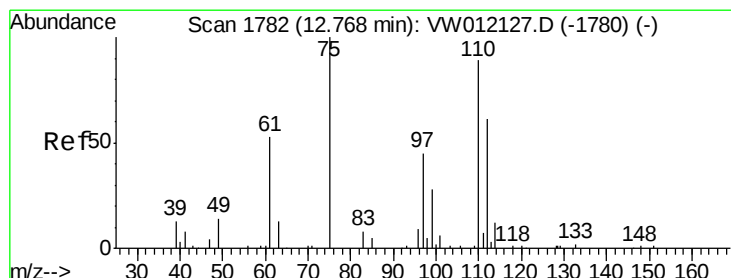
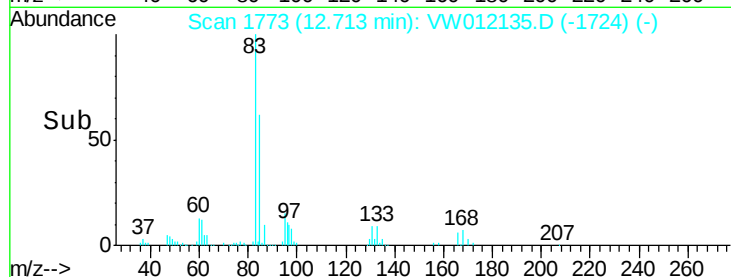
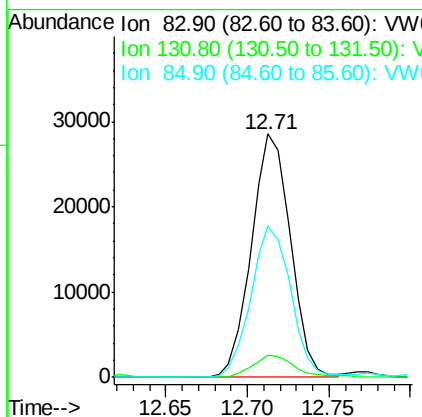
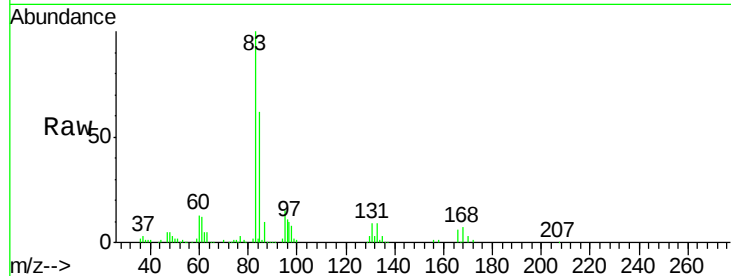
ClientSampleId :

VW0823SBSD01

Tot Ion:	83	Resp:	47852
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	63.0	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 21.272 ug/l m

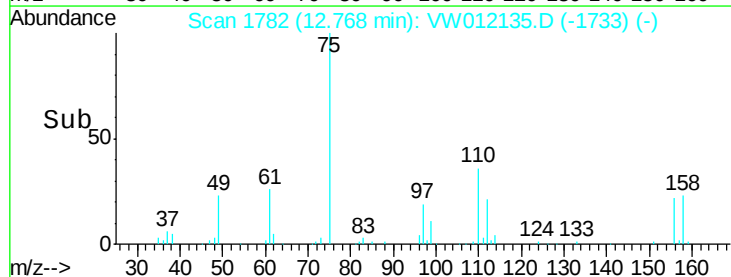
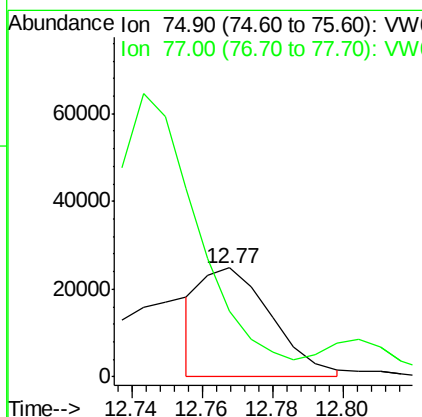
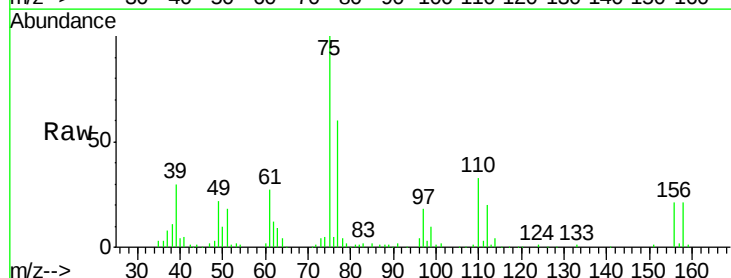
RT: 12.77 min Scan# 1782

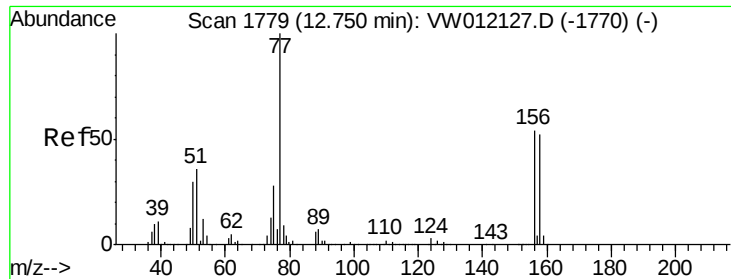
Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Tgt Ion:	75	Resp:	34345
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





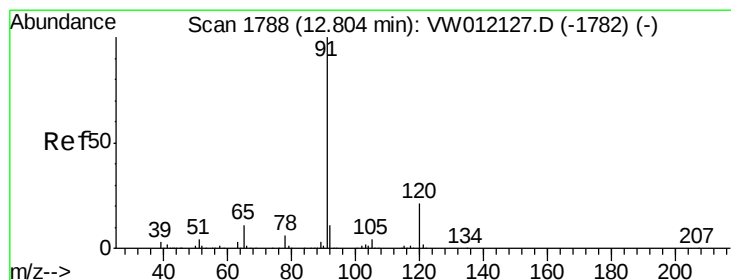
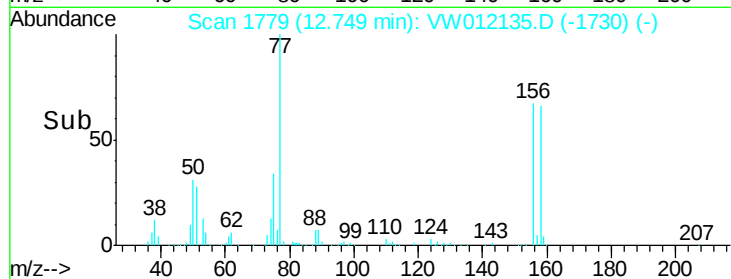
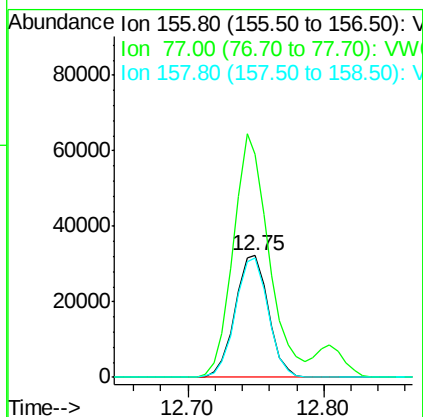
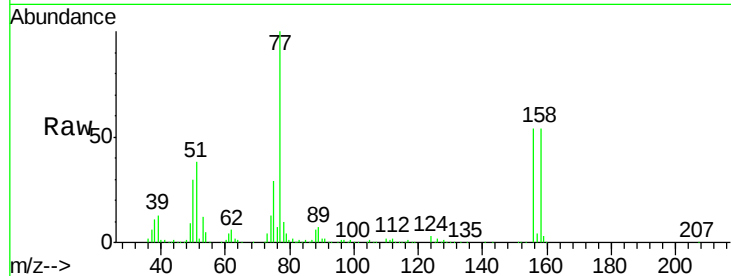
#77
Bromobenzene
Concen: 20.479 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	212.8	107.3	321.8
158	96.2	49.0	147.0

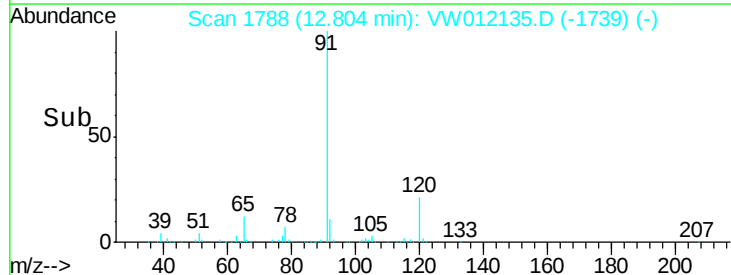
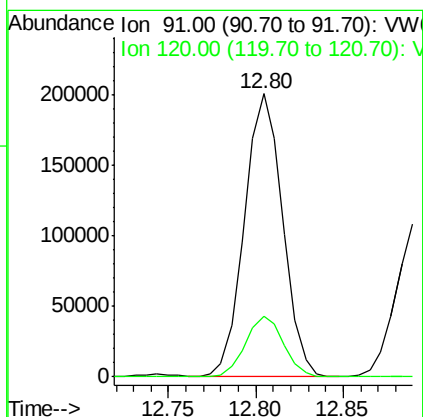
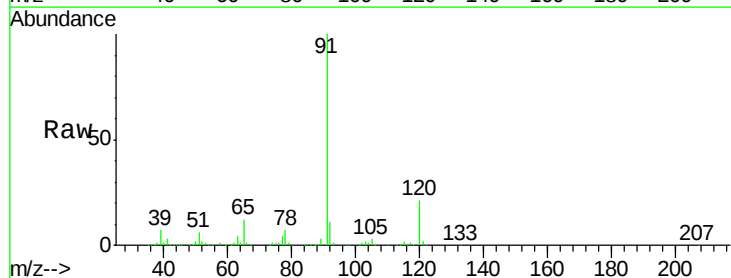
Manual Integrations
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#78
n-propylbenzene
Concen: 20.235 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.5	31.6





#79

2-Chlorotoluene

Concen: 20.205 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampled :

VW0823SBS01

Tot Ion: 91 Resp: 173960

Ion Ratio Lower Upper

91 100

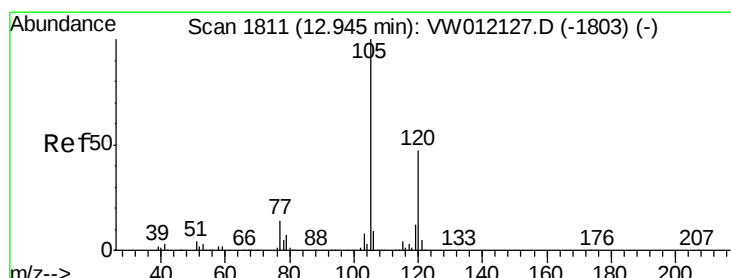
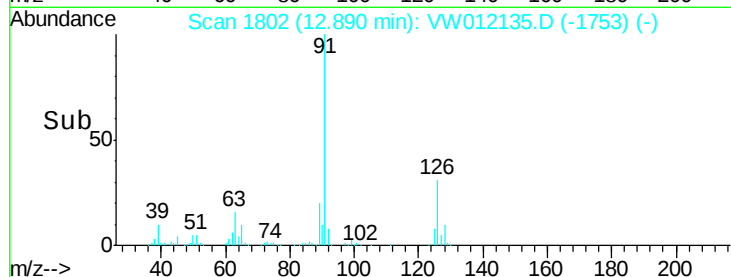
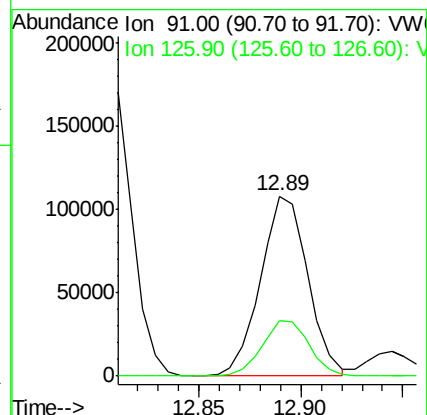
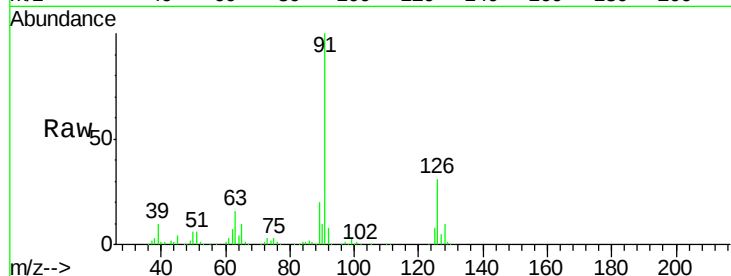
126 31.1 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.332 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012135.D

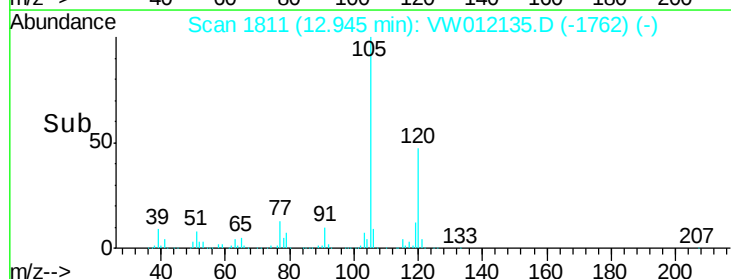
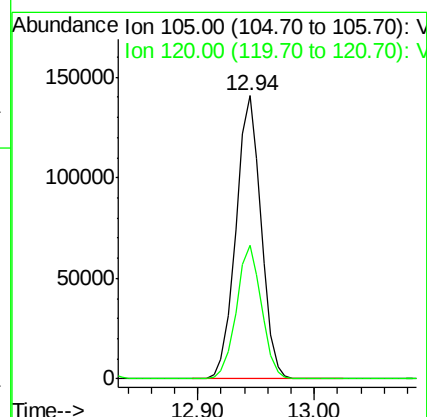
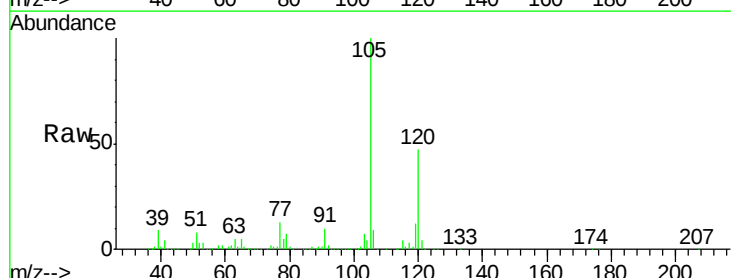
Acq: 23 Aug 2019 16:23

Tgt Ion:105 Resp: 211049

Ion Ratio Lower Upper

105 100

120 47.1 24.0 72.0





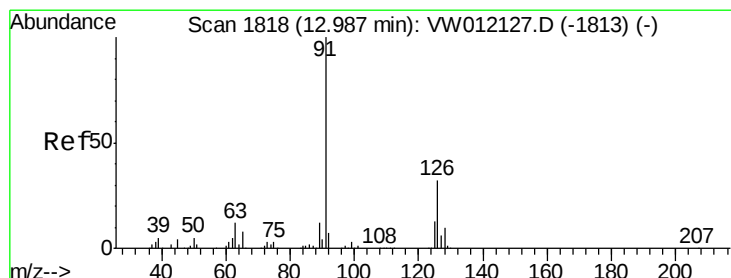
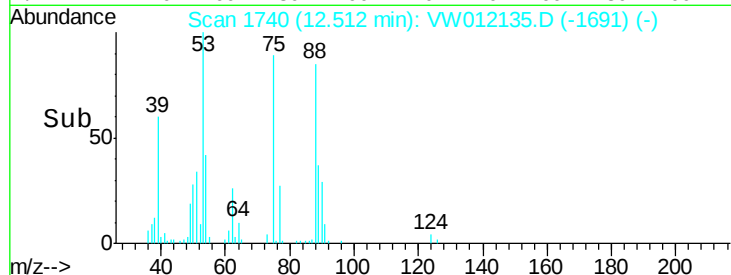
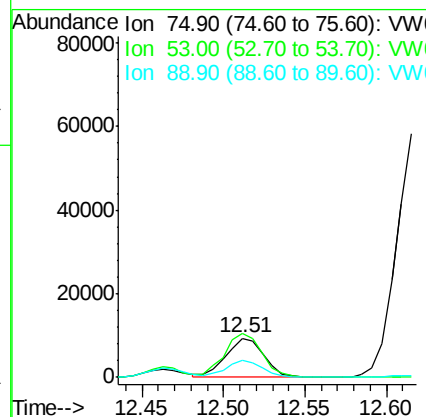
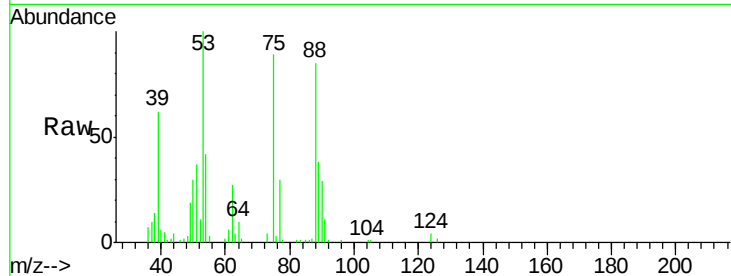
#81
trans-1,4-Dichloro-2-butene
Concen: 20.696 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.2	89.4	134.0
89	41.2	34.5	51.7

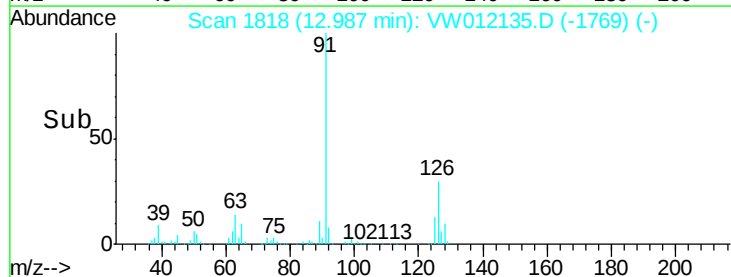
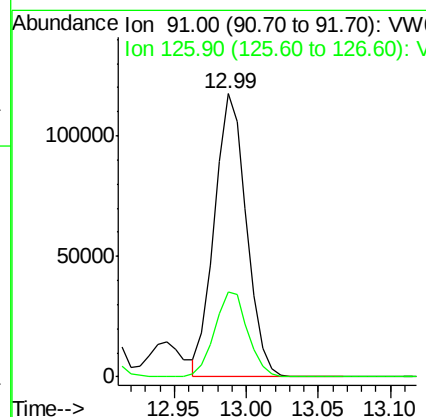
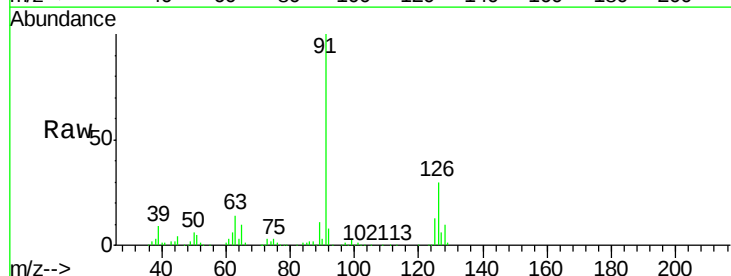
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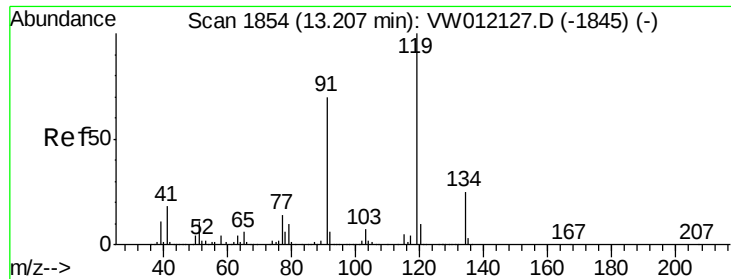
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#82
4-Chlorotoluene
Concen: 20.153 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





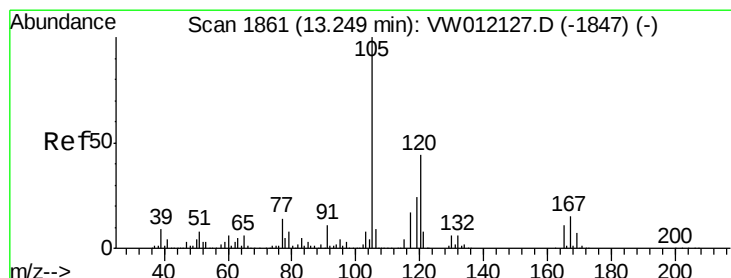
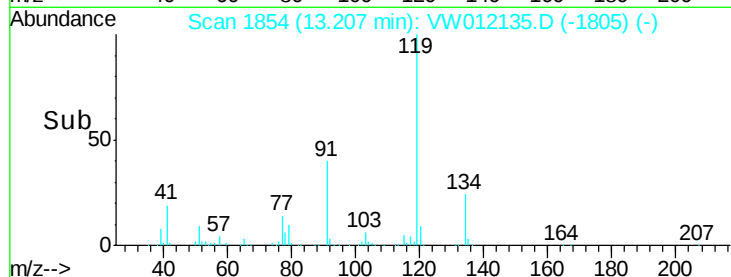
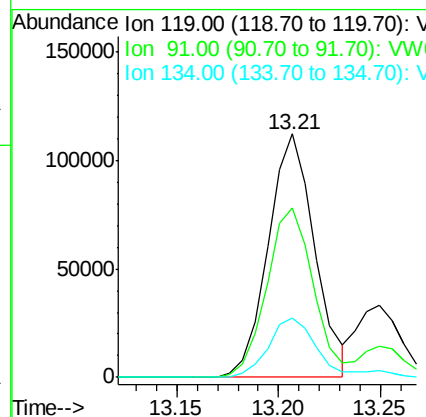
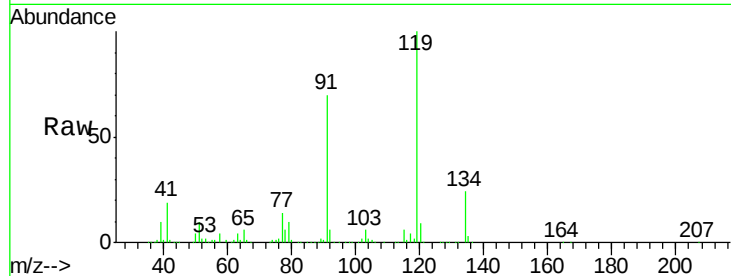
#83
tert-Butylbenzene
Concen: 20.255 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	178101		
91	69.6	34.8	104.3	
134	24.7	13.3	39.8	

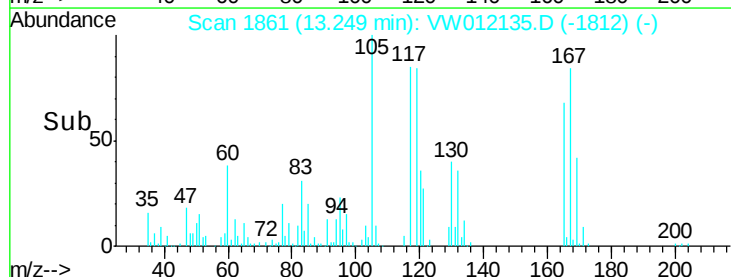
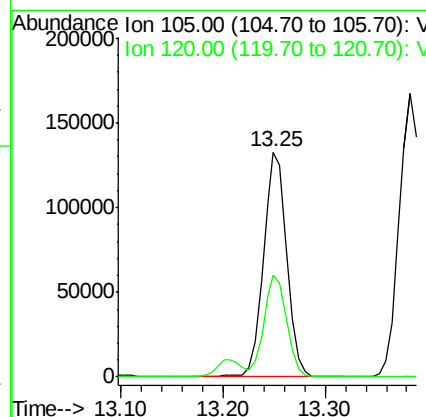
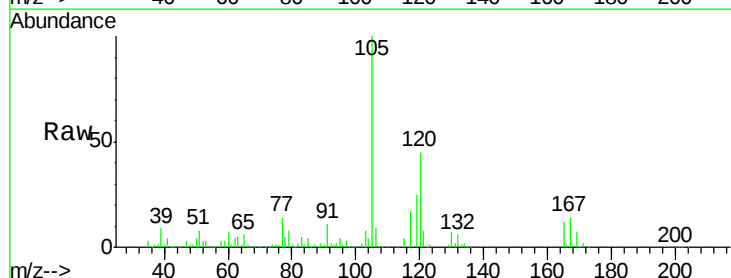
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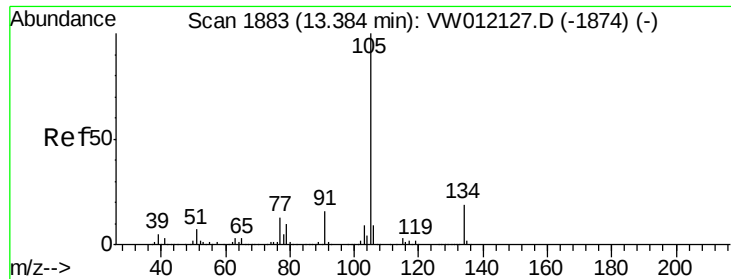
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#84
1,2,4-Trimethylbenzene
Concen: 20.232 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210956		
120	44.2	21.9	65.7	





#85

sec-Butylbenzene

Concen: 20.168 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VW0823SBS01

Tot Ion:105 Resp: 254055

Ion Ratio Lower Upper

105 100

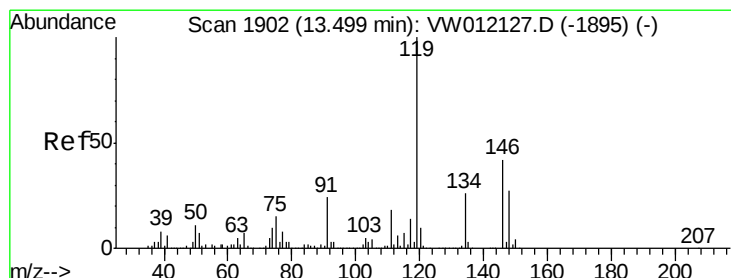
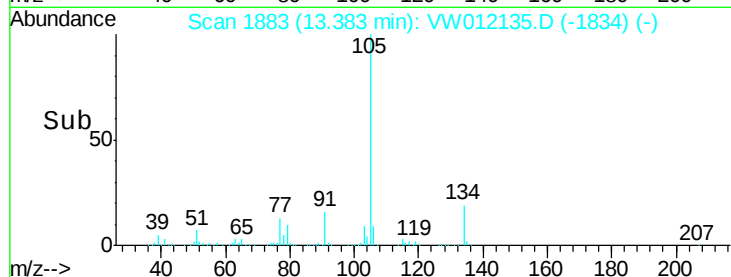
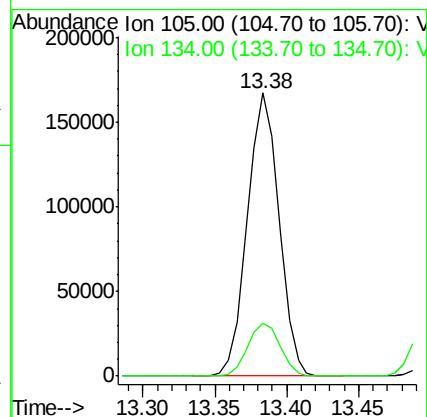
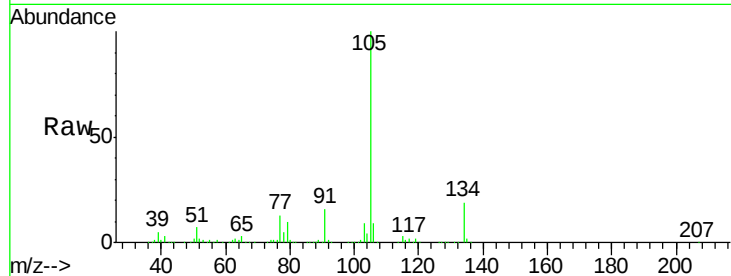
134 19.3 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 20.205 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012135.D

Acq: 23 Aug 2019 16:23

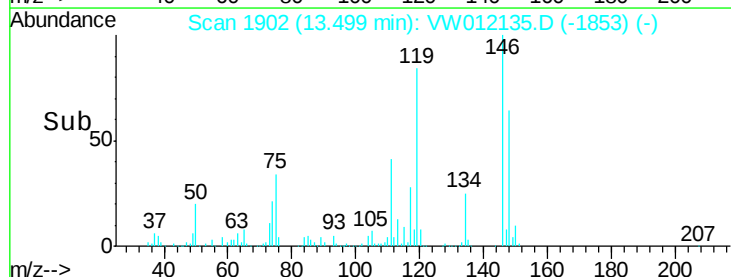
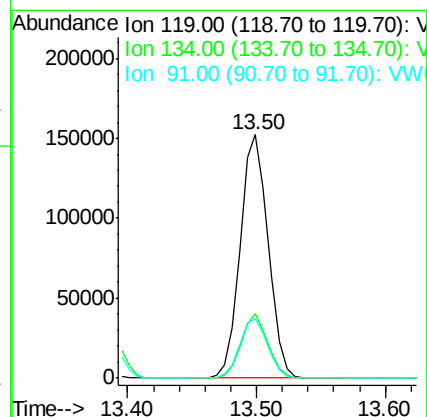
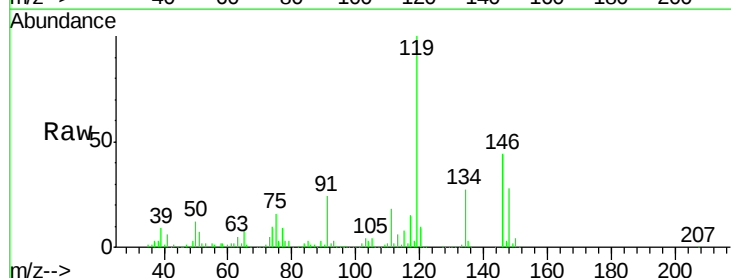
Tgt Ion:119 Resp: 227308

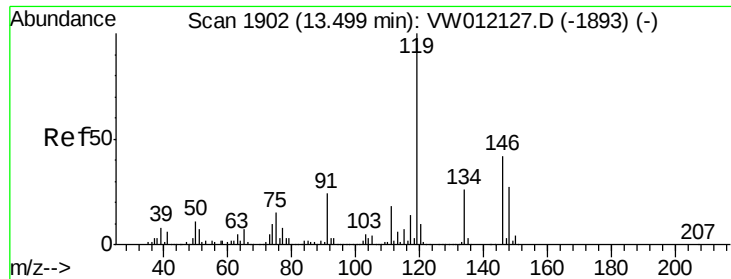
Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

91 24.8 12.3 36.9





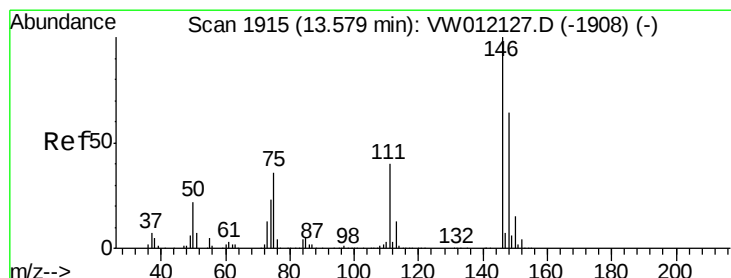
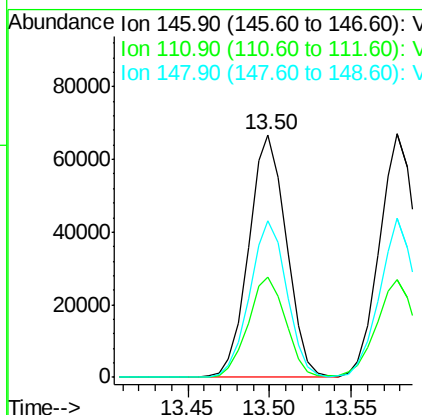
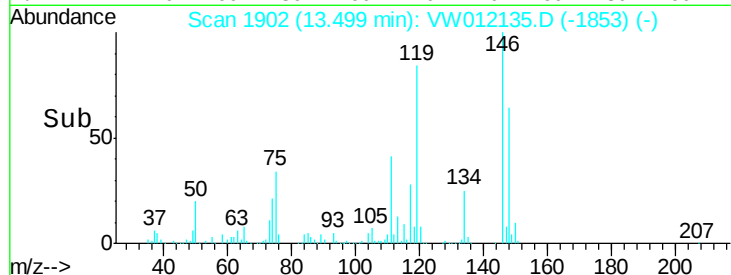
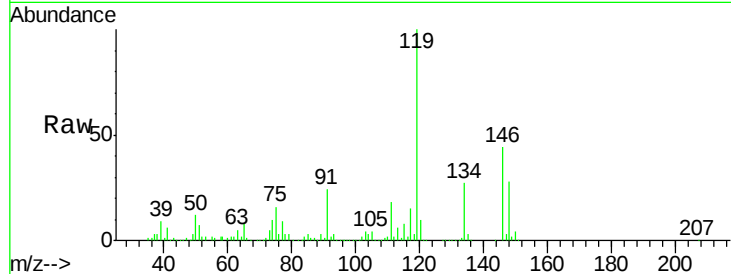
#87
 1,3-Dichlorobenzene
 Concen: 20.412 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	107295		
111	41.6	20.9	62.7	
148	63.5	32.2	96.6	

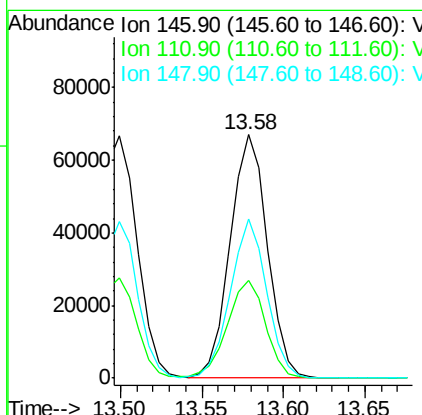
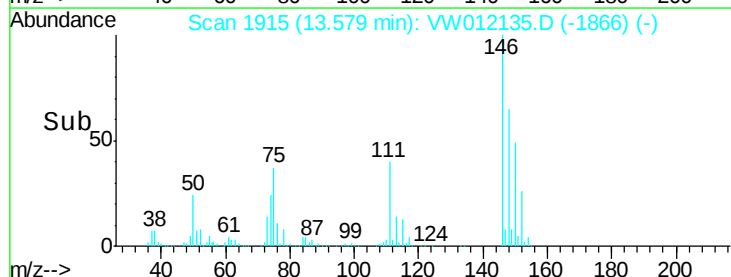
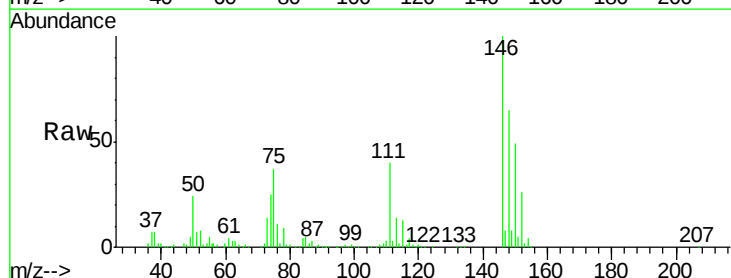
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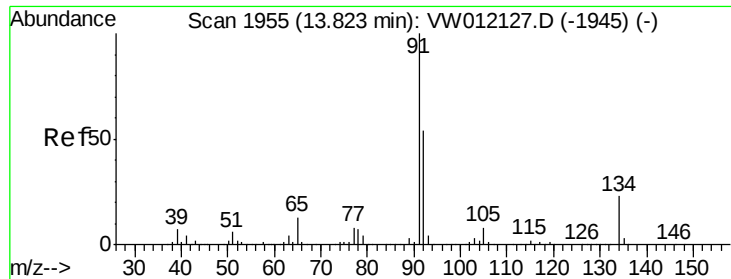
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#88
 1,4-Dichlorobenzene
 Concen: 20.442 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	106693		
111	41.3	20.0	60.0	
148	63.9	32.1	96.3	





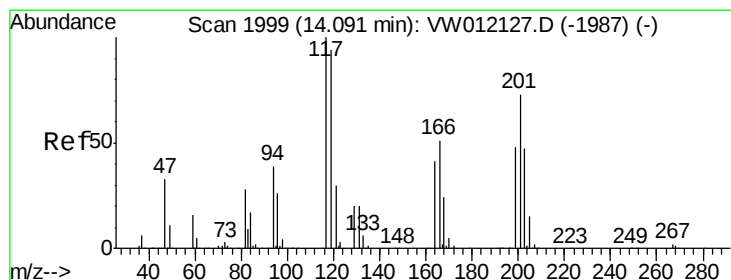
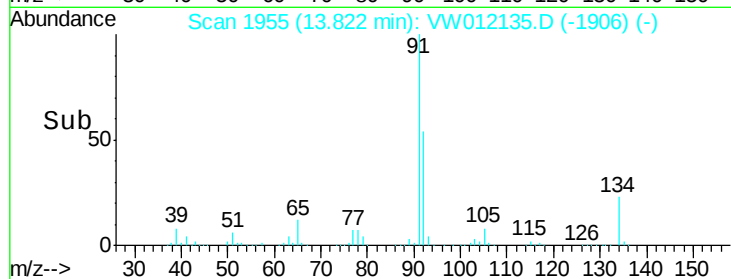
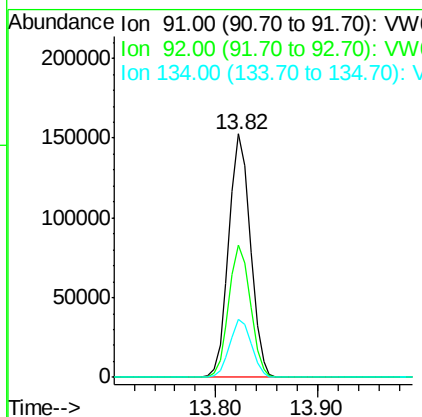
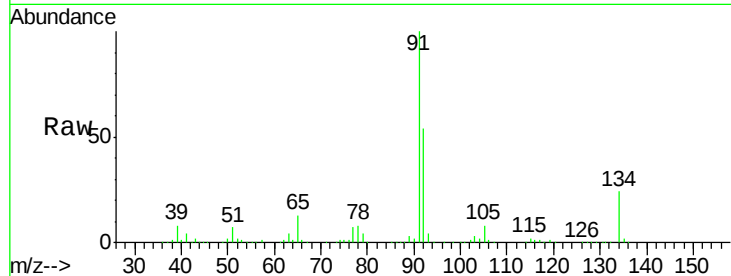
#89
n-Butylbenzene
Concen: 19.996 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.1	81.2
134	23.9	12.2	36.4

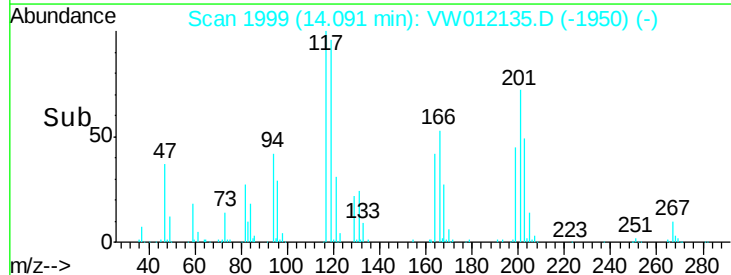
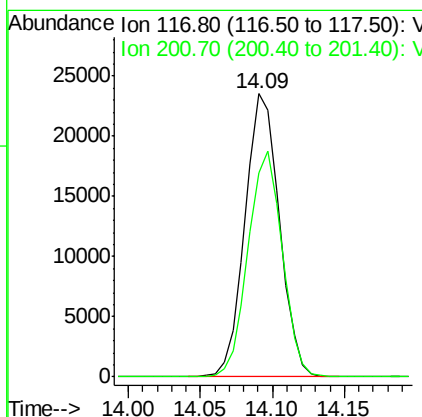
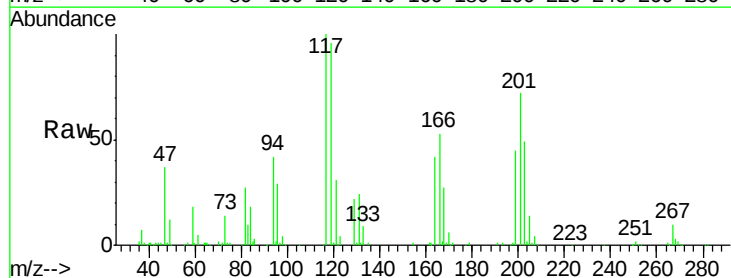
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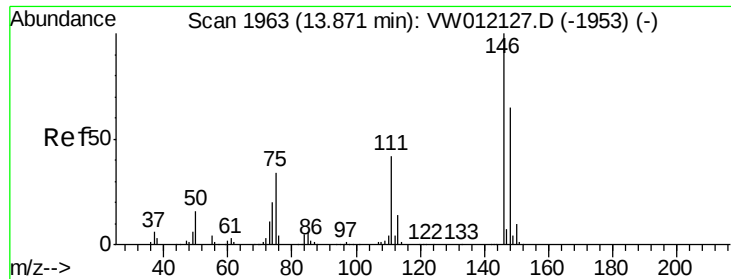
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#90
Hexachloroethane
Concen: 19.717 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	38.6	115.7





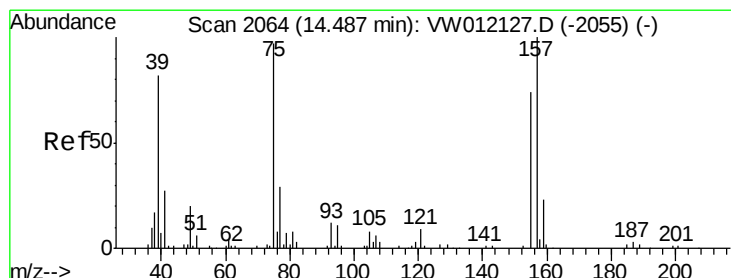
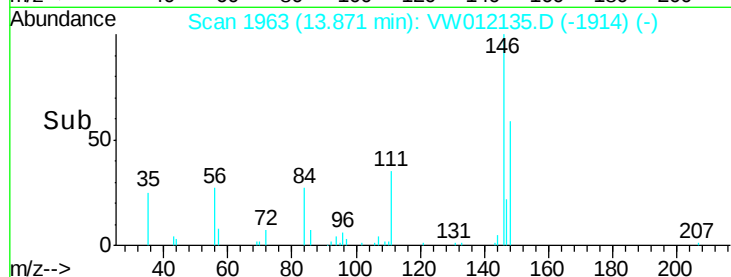
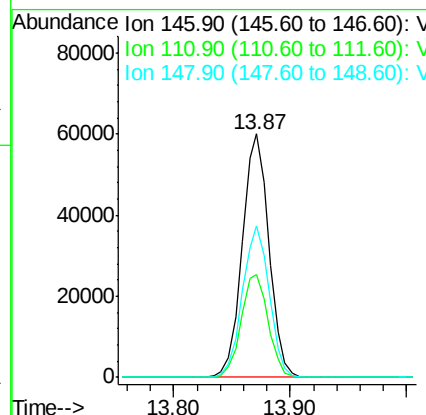
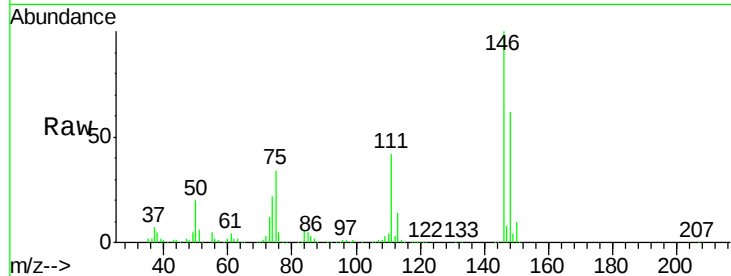
#91
 1,2-Dichlorobenzene
 Concen: 20.735 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	62.7	32.5	97.4

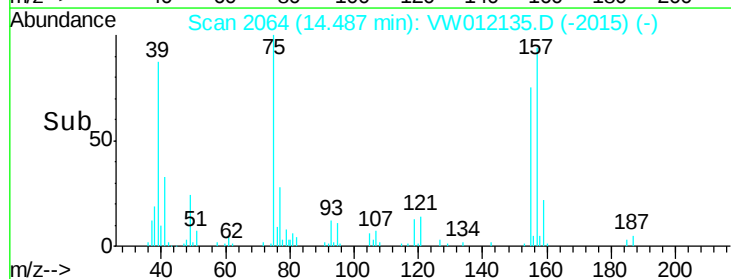
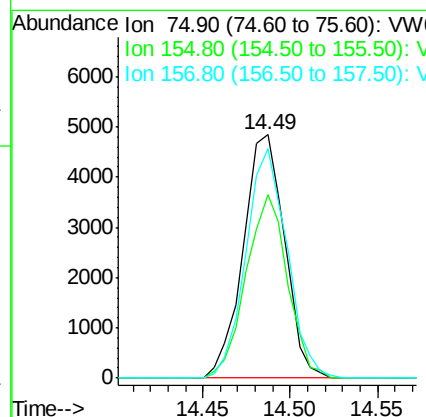
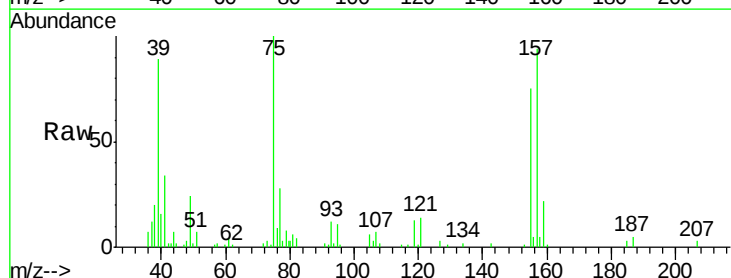
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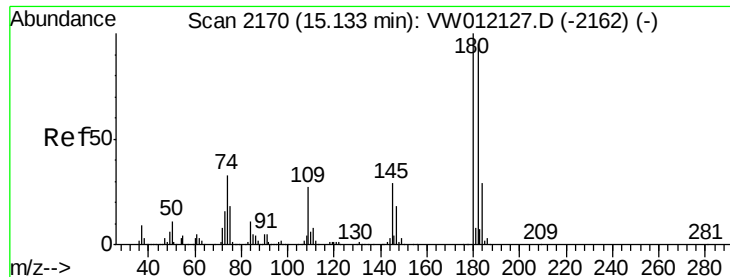
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.796 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	37.5	112.3
157	93.2	50.5	151.5





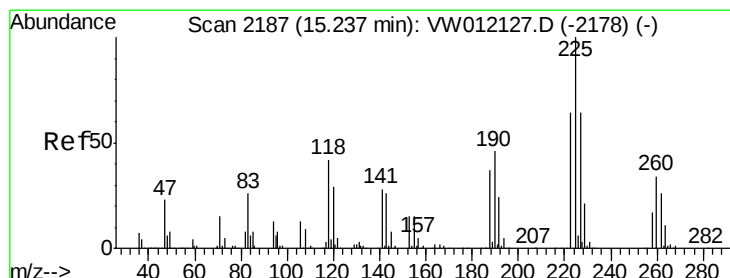
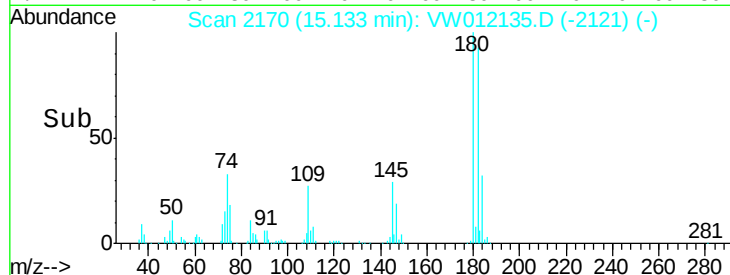
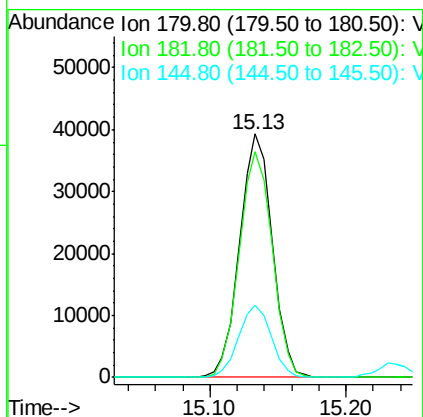
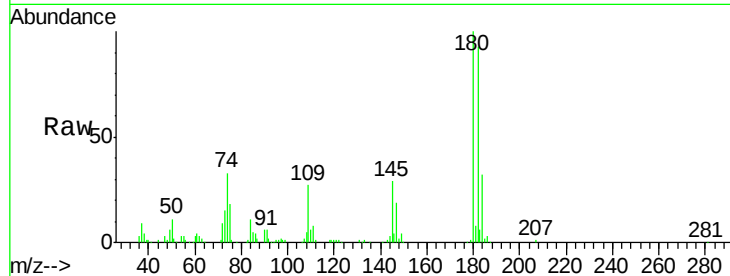
#93
 1,2,4-Trichlorobenzene
 Concen: 20.692 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65939		
182	93.9	47.8	143.4	
145	29.7	15.0	45.1	

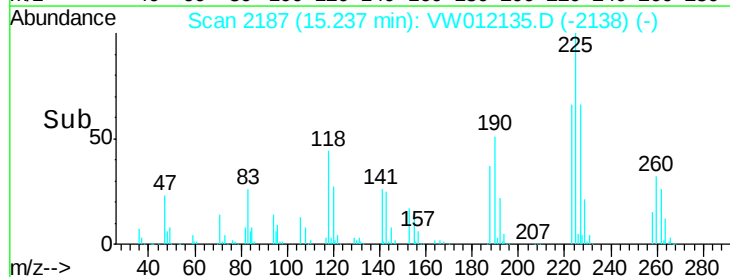
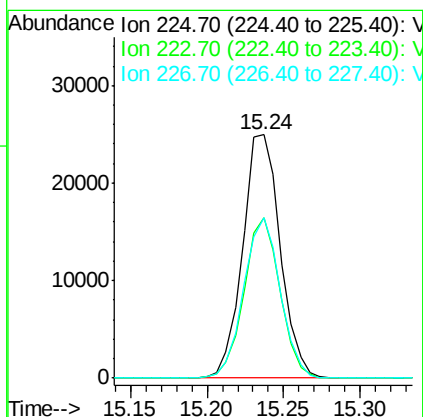
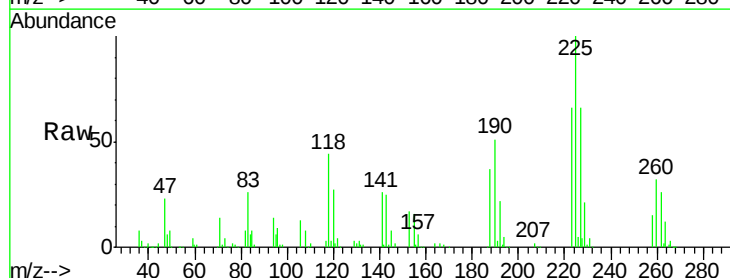
Manual Integrations
 APPROVED

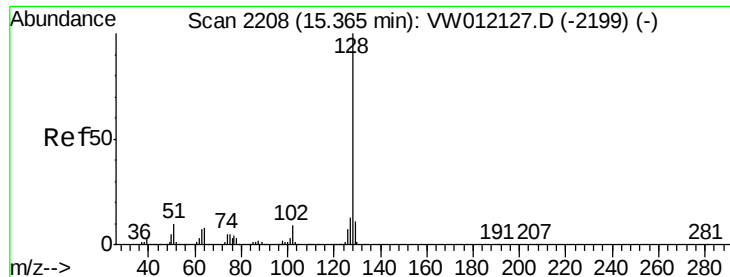
MMDadoda
 8/26/2019 11:38:37 AM



#94
 Hexachlorobutadiene
 Concen: 20.256 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012135.D
 Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42622		
223	62.9	32.3	96.8	
227	64.3	32.9	98.6	





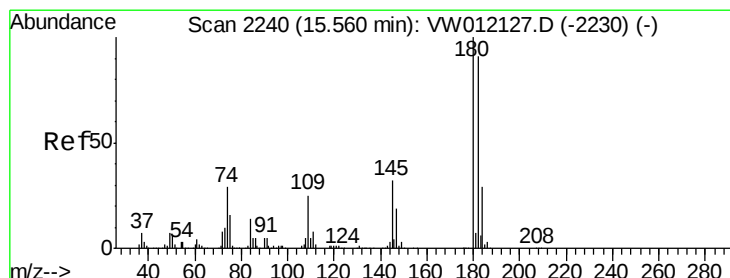
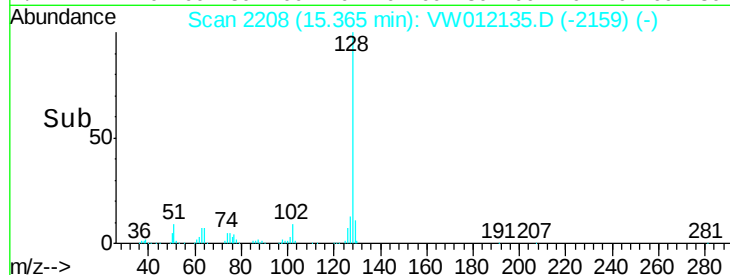
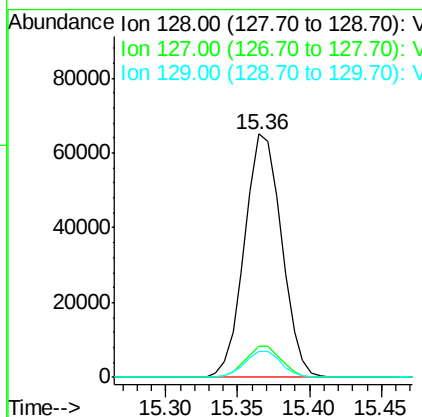
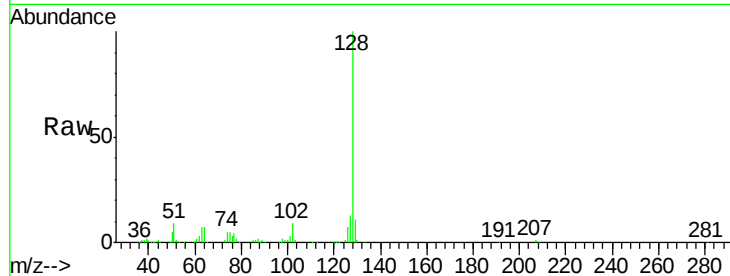
#95
Naphthalene
Concen: 21.301 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VW0823SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	116226		
127	12.9	10.7	16.1	
129	10.7	8.7	13.1	

Manual Integrations
APPROVED

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8/26/2019 11:38:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.549 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012135.D
Acq: 23 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57133		
182	96.2	47.1	141.3	
145	32.6	16.2	48.5	

