

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013670.D
 Acq On : 23 Oct 2019 16:39
 Operator : SY/VA
 Sample : VW1023SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:27:12 PM

Quant Time: Oct 24 07:46:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	455006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	201817	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	131802	54.36	ug/l	0.00
Spiked Amount			Recovery	=	108.72%	
35) Dibromofluoromethane	7.88	113	133042	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
50) Toluene-d8	10.32	98	555148	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
62) 4-Bromofluorobenzene	12.62	95	187462	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	39283	23.072	ug/l	97
3) Chloromethane	2.21	50	38886	21.251	ug/l	98
4) Vinyl Chloride	2.37	62	60449	21.875	ug/l	100
5) Bromomethane	2.78	94	38111	20.970	ug/l	99
6) Chloroethane	2.92	64	34348	20.541	ug/l	96
7) Trichlorofluoromethane	3.26	101	34428	19.946	ug/l	100
8) Diethyl Ether	3.68	74	28830	20.674	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	57014	20.319	ug/l	98
10) Methyl Iodide	4.27	142	93148	20.371	ug/l	100
11) Tert butyl alcohol	5.20	59	16957	117.161	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	59119	20.396	ug/l	96
13) Acrolein	3.90	56	15801	95.293	ug/l	100
14) Allyl chloride	4.67	41	89623	20.109	ug/l	99
15) Acrylonitrile	5.37	53	60616	106.899	ug/l	100
16) Acetone	4.13	43	46632	90.714	ug/l	98
17) Carbon Disulfide	4.39	76	170661	20.502	ug/l	99
18) Methyl Acetate	4.67	43	31704	22.499	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	73928	21.255	ug/l	92
20) Methylene Chloride	4.92	84	66126	20.587	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	63971	20.506	ug/l	95
22) Diisopropyl ether	6.31	45	165682	20.379	ug/l	97
23) Vinyl Acetate	6.26	43	485708	102.964	ug/l	100
24) 1,1-Dichloroethane	6.21	63	103905	20.180	ug/l	99
25) 2-Butanone	7.17	43	76926	104.088	ug/l	98
26) 2,2-Dichloropropane	7.17	77	60083	20.180	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	66238	19.990	ug/l	97
28) Bromochloromethane	7.51	49	28012	16.201	ug/l #	99
29) Tetrahydrofuran	7.54	42	50263	109.853	ug/l	99
30) Chloroform	7.68	83	101140	19.871	ug/l	99
31) Cyclohexane	7.96	56	106679	19.798	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	80930	20.262	ug/l	99
36) 1,1-Dichloropropene	8.09	75	87493	20.647	ug/l	98
37) Ethyl Acetate	7.25	43	34525	21.284	ug/l	97
38) Carbon Tetrachloride	8.07	117	77290	20.255	ug/l	98

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Quant Time: Oct 24 07:46:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	108243	19.780	ug/l	98
40) Benzene	8.32	78	242656	20.235	ug/l	99
41) Methacrylonitrile	7.48	41	22359	22.104	ug/l	93
42) 1,2-Dichloroethane	8.40	62	62693	20.746	ug/l	99
43) Isopropyl Acetate	8.42	43	66657	21.468	ug/l	99
44) Trichloroethene	9.09	130	70134	20.417	ug/l	99
45) 1,2-Dichloropropane	9.37	63	56215	19.625	ug/l	100
46) Dibromomethane	9.46	93	28813	20.725	ug/l	99
47) Bromodichloromethane	9.65	83	72523	20.161	ug/l	97
48) Methyl methacrylate	9.43	41	33440	21.718	ug/l	99
49) 1,4-Dioxane	9.46	88	8932	434.776	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	166963	108.213	ug/l	100
52) Toluene	10.38	92	158385	20.475	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	74670	20.505	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	88582	19.716	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43746	21.113	ug/l	93
56) Ethyl methacrylate	10.65	69	54878	21.170	ug/l	100
57) 1,3-Dichloropropane	10.93	76	74174	20.861	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	122906	103.017	ug/l	99
59) 2-Hexanone	10.97	43	114161	107.327	ug/l	99
60) Dibromochloromethane	11.13	129	49401	20.081	ug/l	99
61) 1,2-Dibromoethane	11.23	107	40133	20.474	ug/l	96
64) Tetrachloroethene	10.86	164	60474	20.015	ug/l	96
65) Chlorobenzene	11.66	112	163767	20.153	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	55442	19.549	ug/l	98
67) Ethyl Benzene	11.73	91	288651	19.699	ug/l	100
68) m/p-Xylenes	11.83	106	226599	40.027	ug/l	97
69) o-Xylene	12.16	106	103180	19.829	ug/l	99
70) Styrene	12.18	104	177506	19.854	ug/l	99
71) Bromoform	12.35	173	29910	20.097	ug/l #	100
73) Isopropylbenzene	12.46	105	285741	19.716	ug/l	100
74) N-amyl acetate	12.27	43	58330	20.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47870	20.931	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35431m	24.446	ug/l	
77) Bromobenzene	12.74	156	69226	19.995	ug/l	99
78) n-propylbenzene	12.80	91	331275	19.748	ug/l	100
79) 2-Chlorotoluene	12.89	91	189059	20.055	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	240919	19.692	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	14982	19.536	ug/l	97
82) 4-Chlorotoluene	12.99	91	198022	20.009	ug/l	99
83) tert-Butylbenzene	13.21	119	217220	20.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	242143	20.064	ug/l	99
85) sec-Butylbenzene	13.38	105	296150	19.942	ug/l	99
86) p-Isopropyltoluene	13.50	119	279222	20.184	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	133362	19.881	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	133647	20.054	ug/l	98
89) n-Butylbenzene	13.82	91	249941	20.017	ug/l	100
90) Hexachloroethane	14.09	117	46187	19.209	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	117113	20.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7150	20.674	ug/l	97

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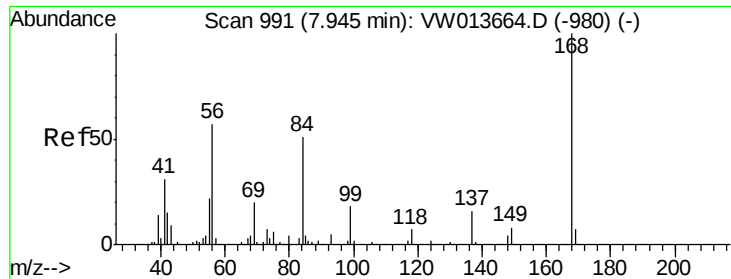
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Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	81951	19.360	ug/l	97
94) Hexachlorobutadiene	15.24	225	57116	19.987	ug/l	98
95) Naphthalene	15.36	128	136038	20.498	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	72427	19.857	ug/l	100

(#) = 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: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion:168 Resp: 323186

Ion Ratio Lower Upper

168 100

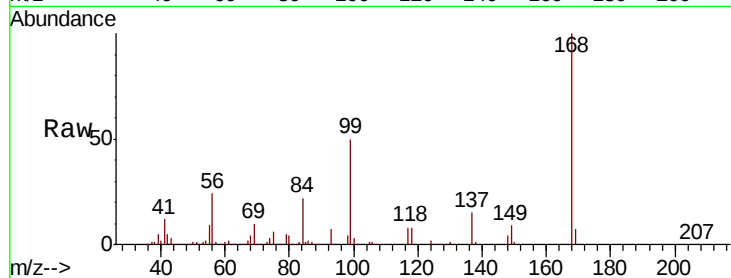
99 49.6 39.0 58.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

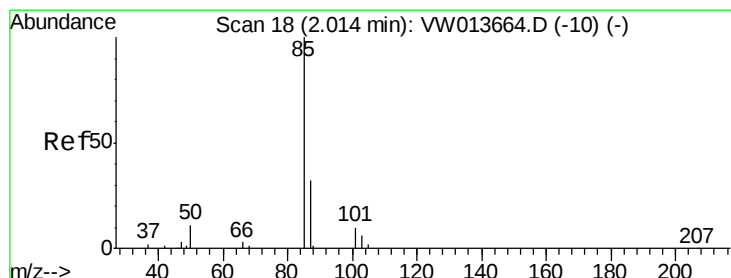
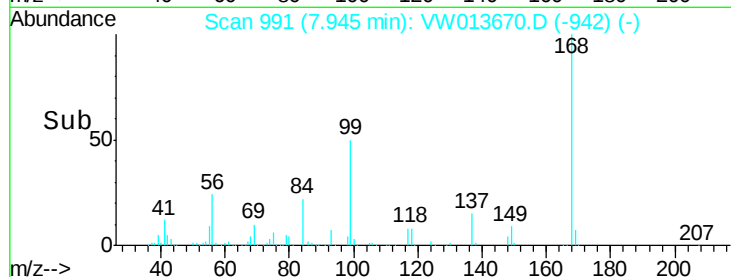
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.072 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013670.D

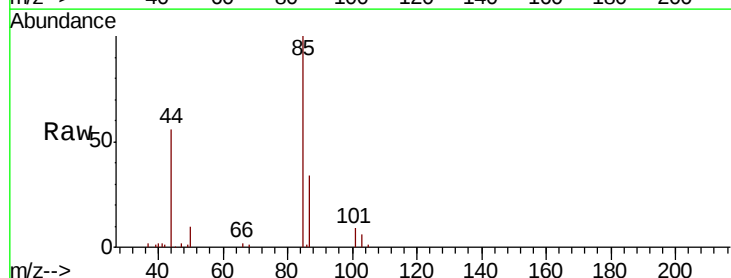
Acq: 23 Oct 2019 16:39

Tgt Ion: 85 Resp: 39283

Ion Ratio Lower Upper

85 100

87 33.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

15000

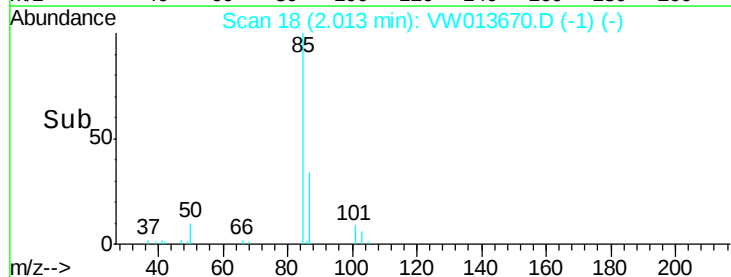
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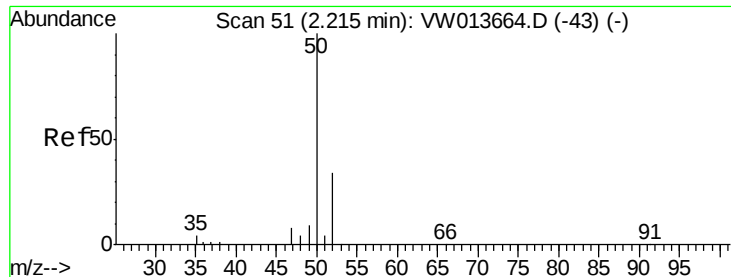
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.251 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 50 Resp: 38886

Ion Ratio Lower Upper

50 100

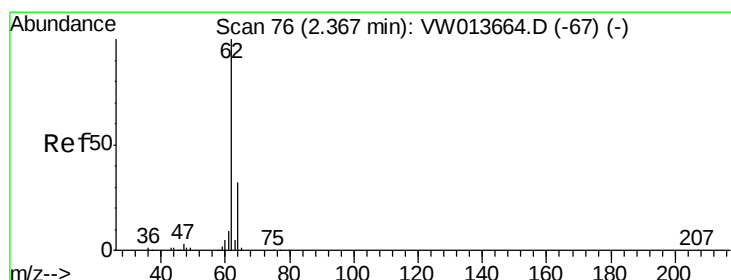
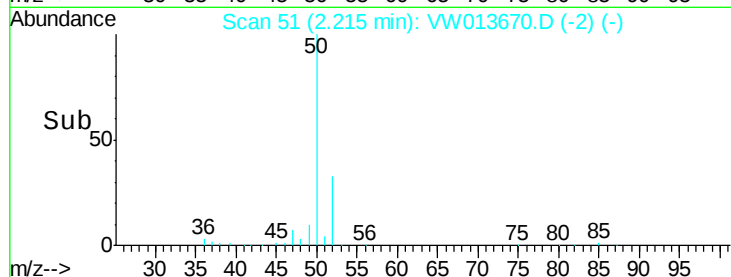
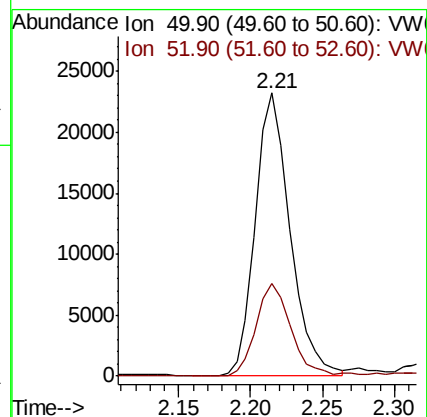
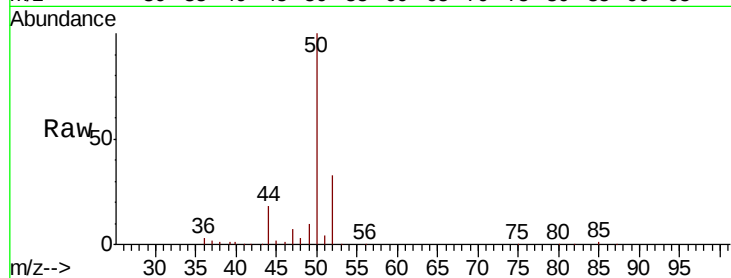
52 32.5 26.9 40.3

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#4

Vinyl Chloride

Concen: 21.875 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013670.D

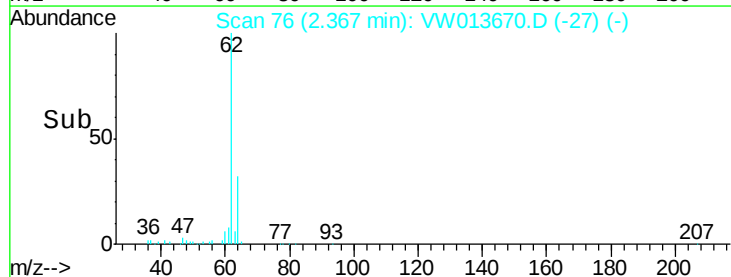
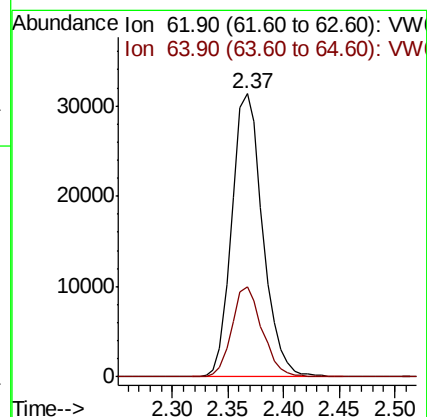
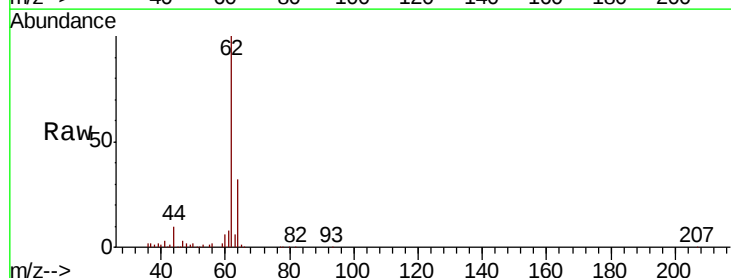
Acq: 23 Oct 2019 16:39

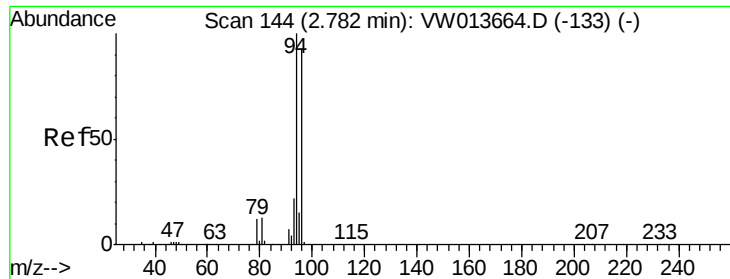
Tgt Ion: 62 Resp: 60449

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 20.970 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 94 Resp: 38111

Ion Ratio Lower Upper

94 100

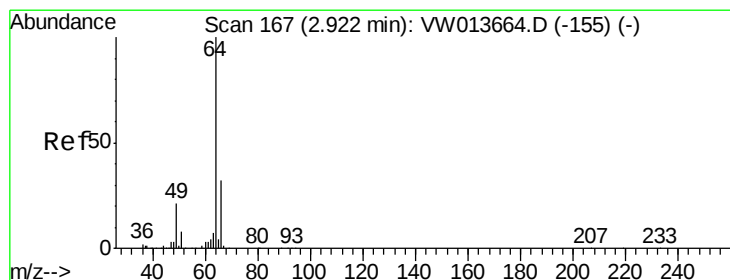
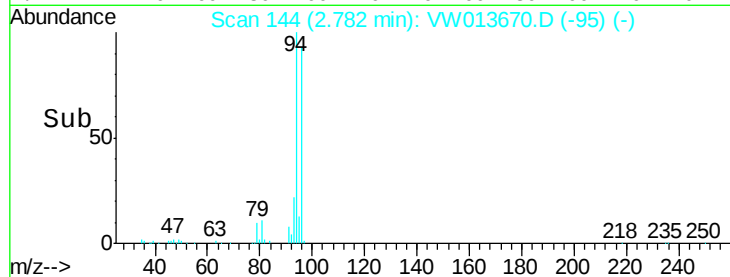
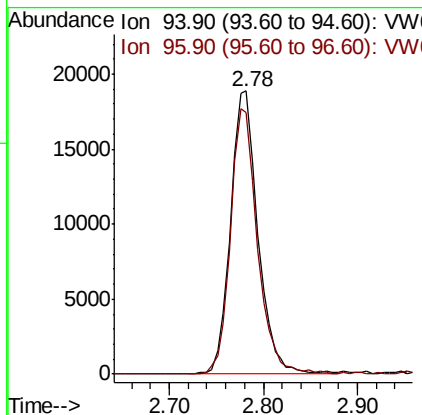
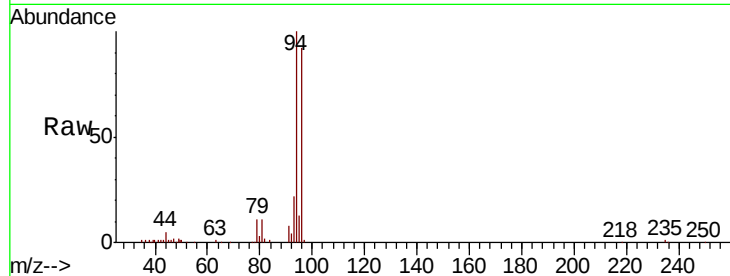
96 92.3 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 20.541 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013670.D

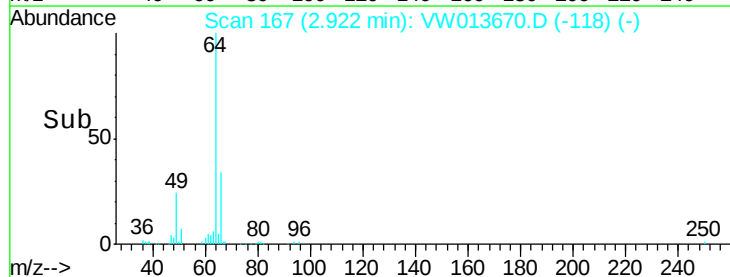
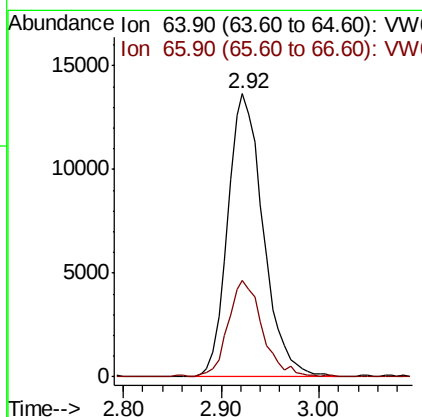
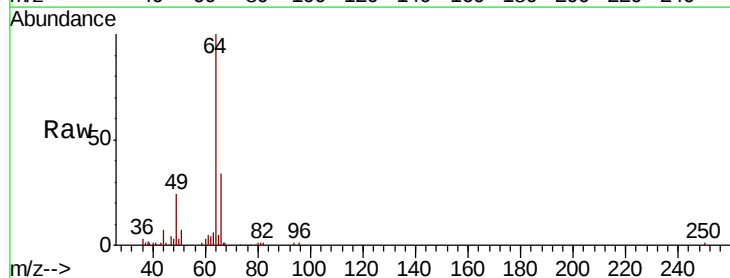
Acq: 23 Oct 2019 16:39

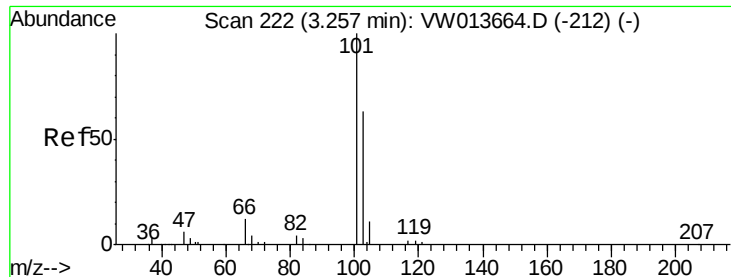
Tgt Ion: 64 Resp: 34348

Ion Ratio Lower Upper

64 100

66 34.0 25.4 38.0





#7

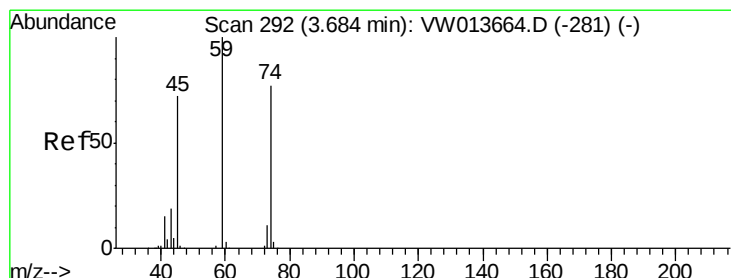
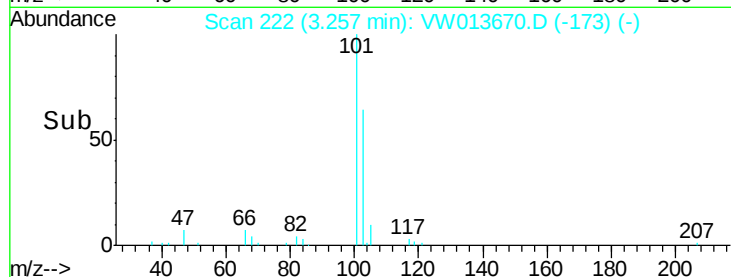
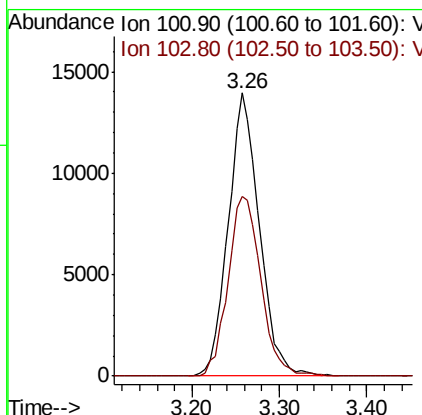
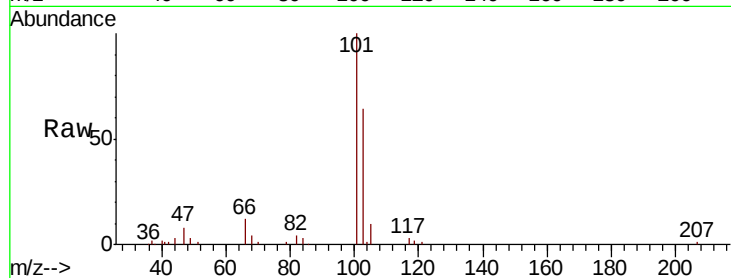
Trichlorofluoromethane
Concen: 19.946 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.6	76.0

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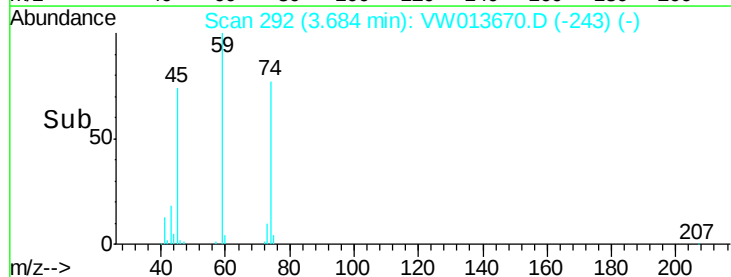
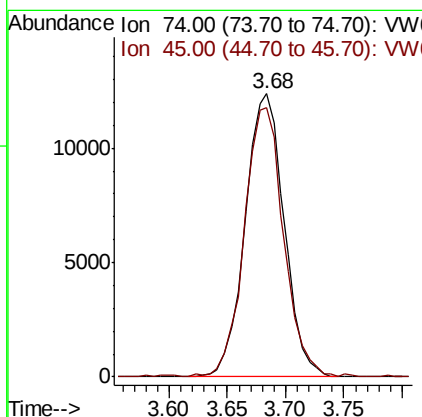
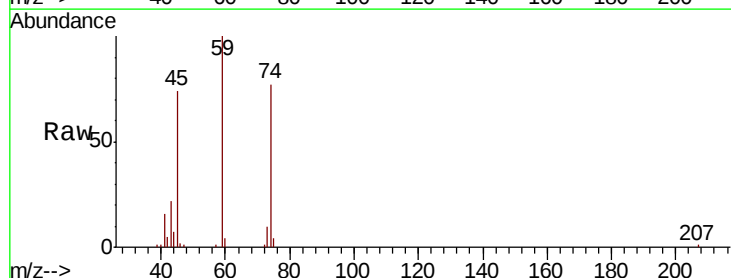
MMDadoda
10/24/2019 1:27:12 PM

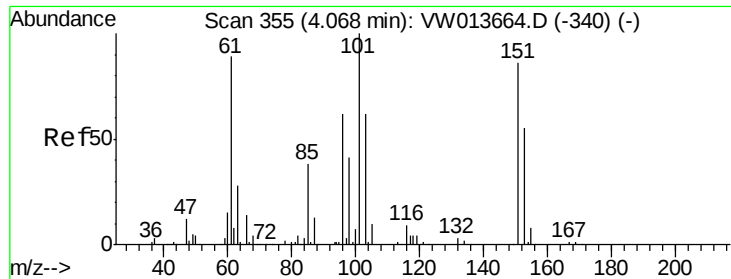


#8

Diethyl Ether
Concen: 20.674 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.319 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

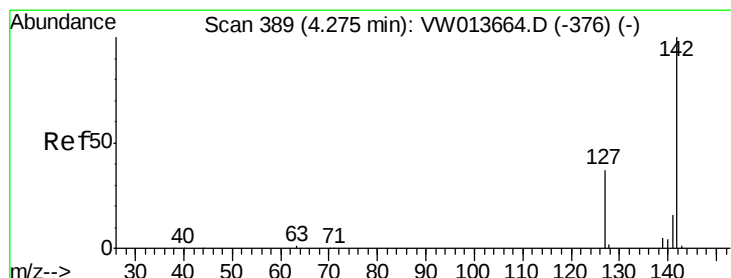
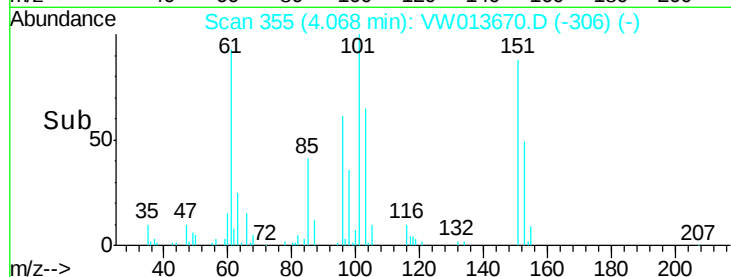
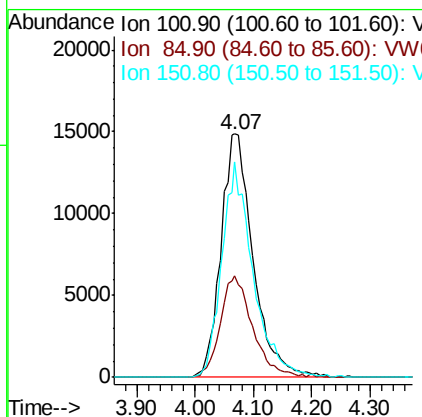
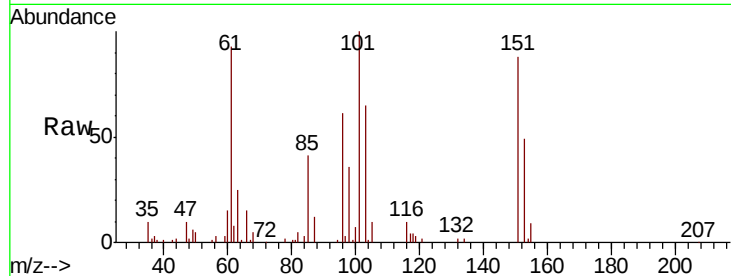
ClientSampleId :

VW1023SBSD01

Tot Ion:	101	Resp:	57014
Ion	Ratio	Lower	Upper
101	100		
85	41.5	31.0	46.6
151	85.1	68.2	102.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.371 ug/l

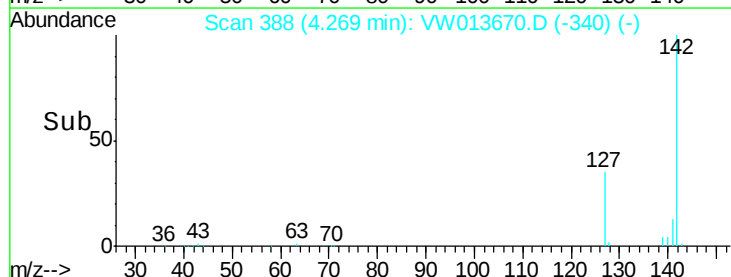
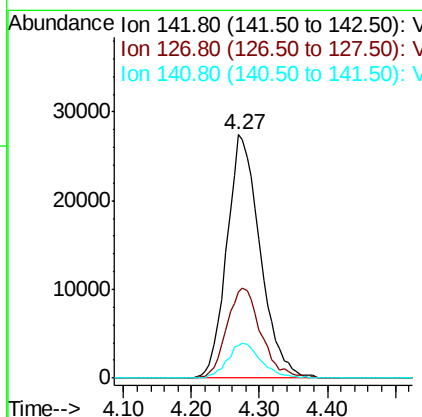
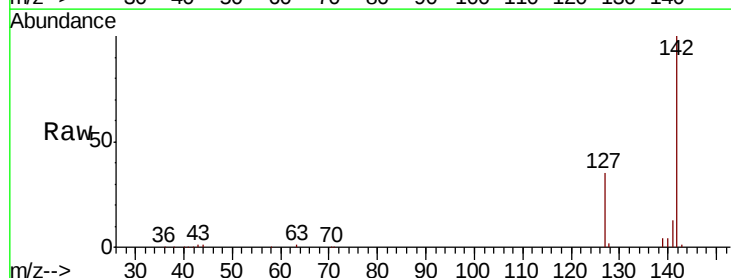
RT: 4.27 min Scan# 388

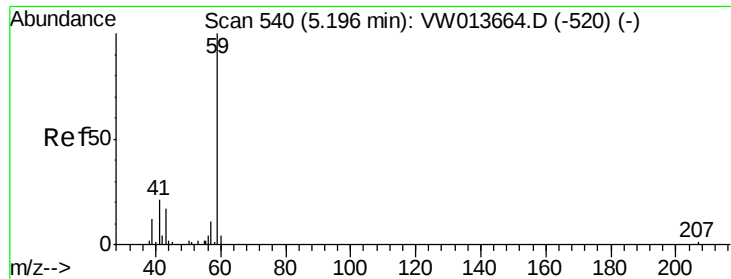
Delta R.T. -0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion:	142	Resp:	93148
Ion	Ratio	Lower	Upper
142	100		
127	38.1	30.3	45.5
141	14.5	11.8	17.8





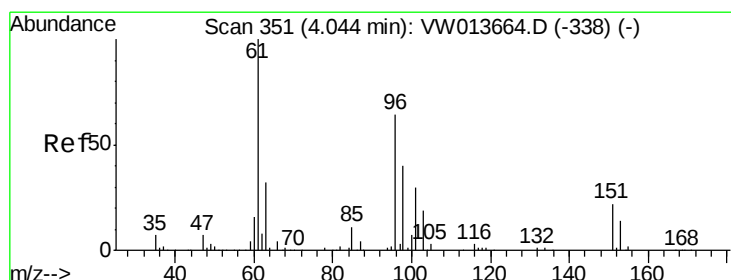
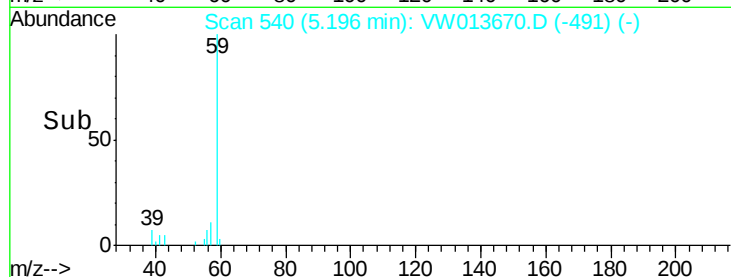
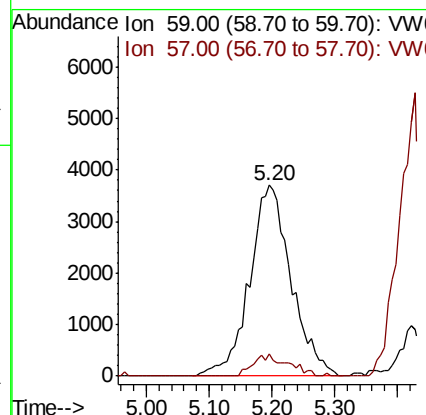
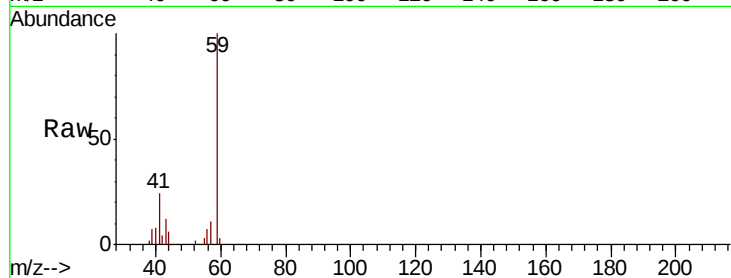
#11
Tert butyl alcohol
Concen: 117.161 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion: 59 Resp: 16957
Ion Ratio Lower Upper
59 100
57 6.3 8.8 13.2#

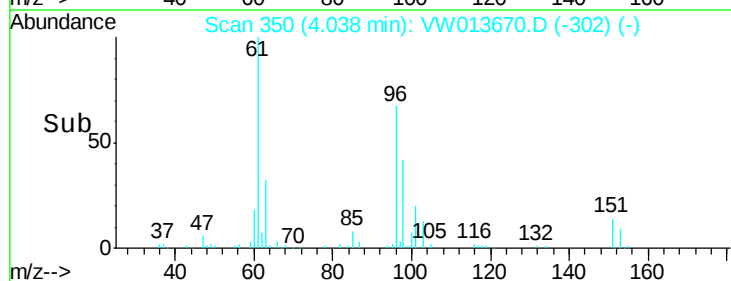
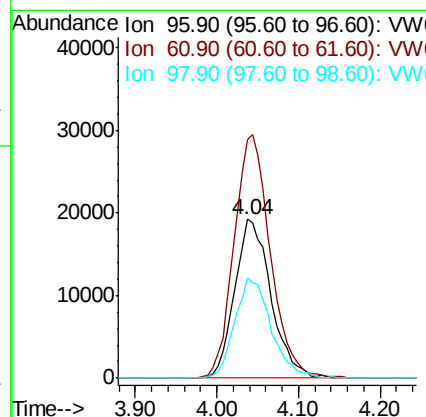
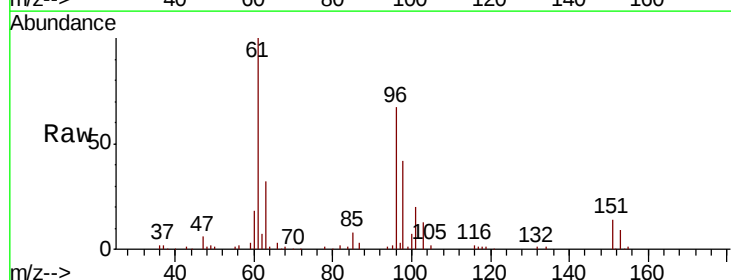
Manual Integrations
APPROVED

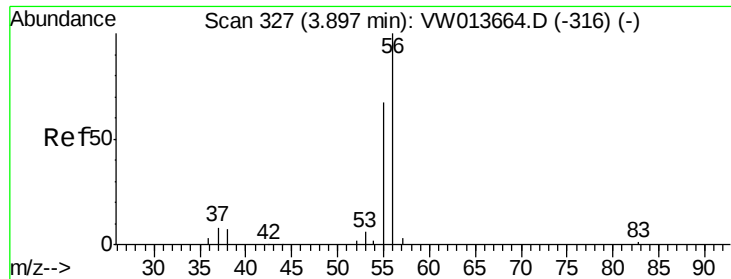
MMDadoda
10/24/2019 1:27:12 PM



#12
1,1-Dichloroethene
Concen: 20.396 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 96 Resp: 59119
Ion Ratio Lower Upper
96 100
61 149.9 125.0 187.6
98 62.8 50.3 75.5





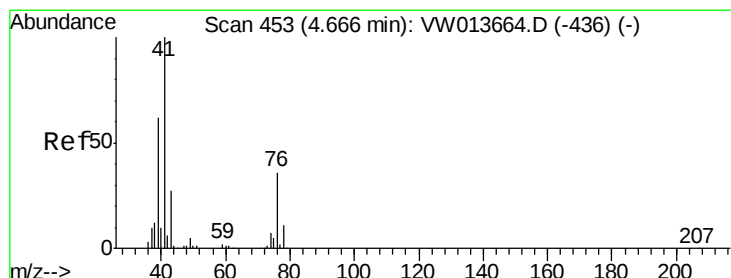
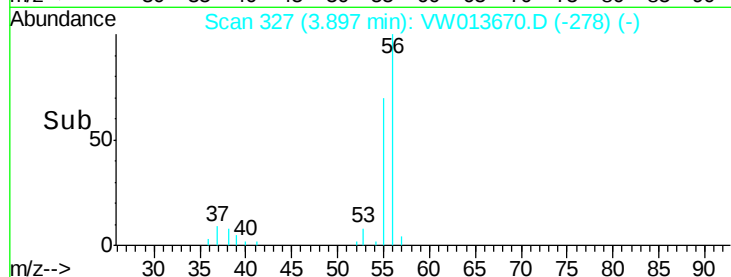
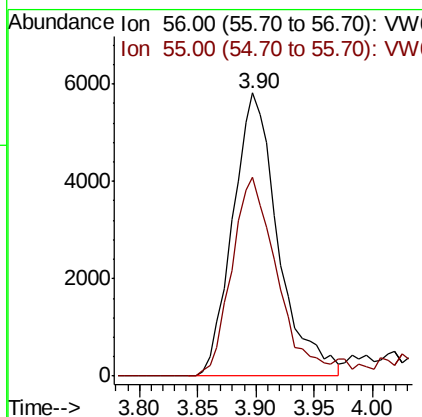
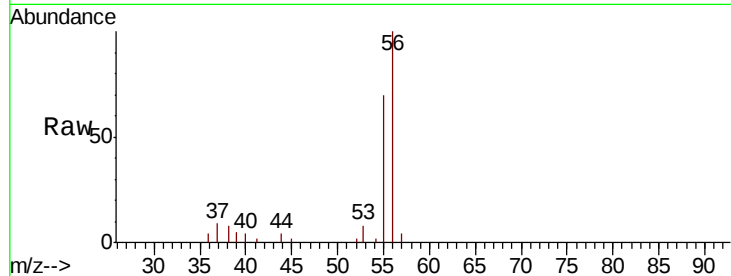
#13
Acrolein
Concen: 95.293 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD01

Tot Ion	56	55	Resp	Lower	Upper
15801	100	69.8		56.1	84.1

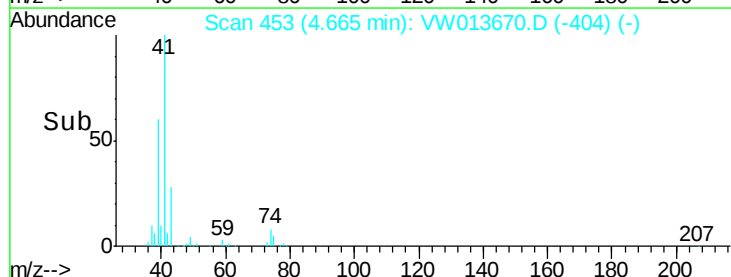
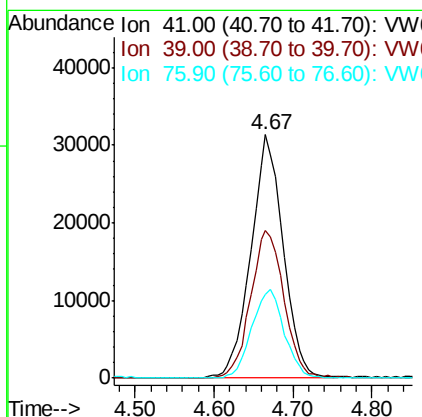
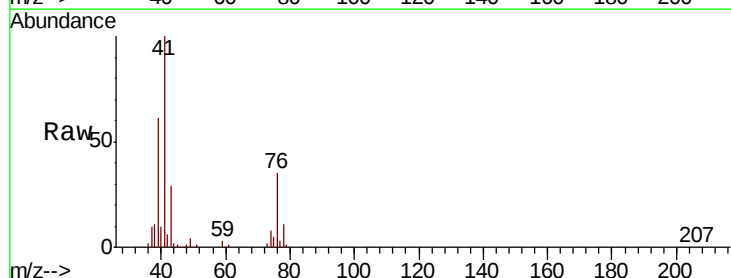
Manual Integrations
APPROVED

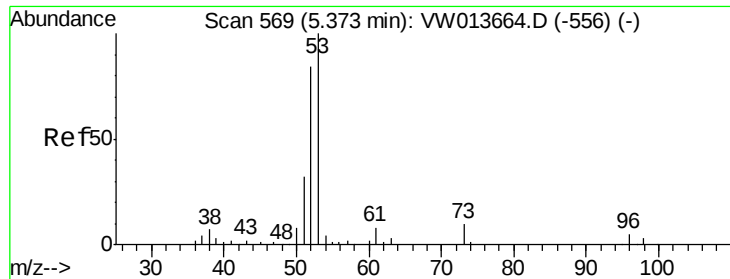
MMDadoda
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#14
Allyl chloride
Concen: 20.109 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	41	39	76	Resp	Lower	Upper
89623	100	62.7	36.4		50.0	75.0





#15

Acrylonitrile

Concen: 106.899 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

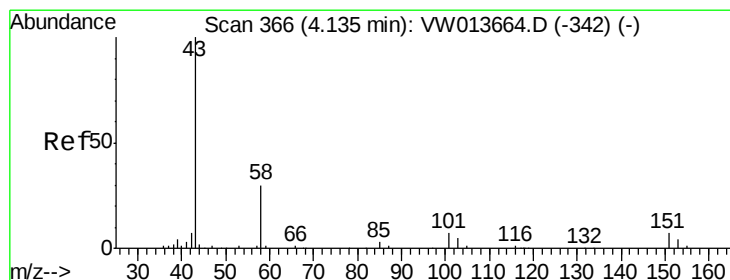
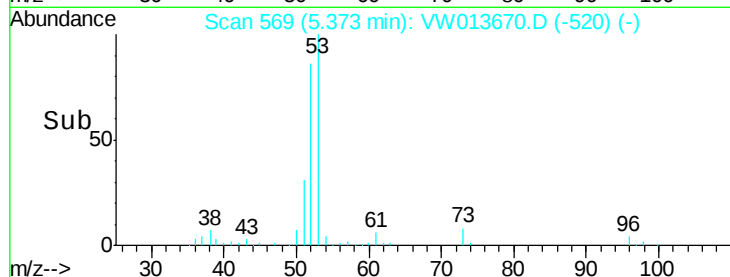
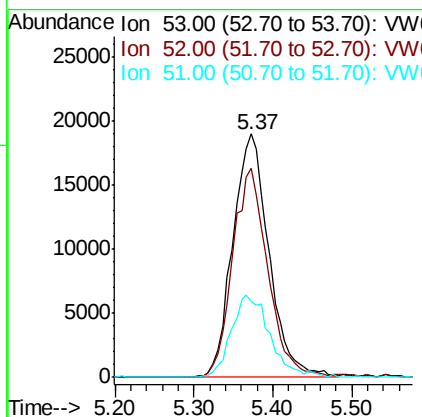
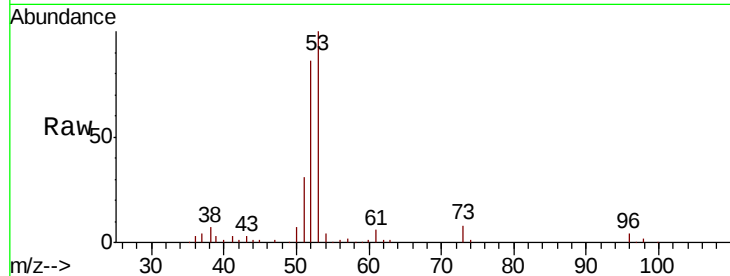
ClientSampleId :

VW1023SBS01

Tot Ion:	53	Resp:	60616
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.4	101.0
51	35.9	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 90.714 ug/l

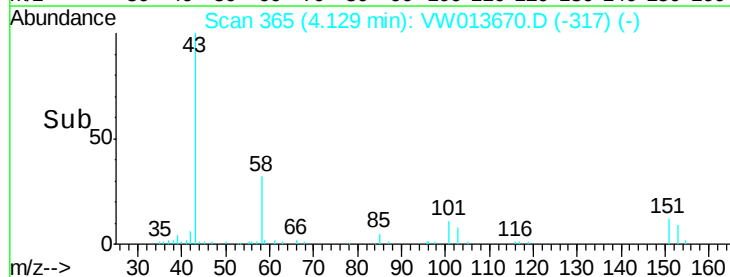
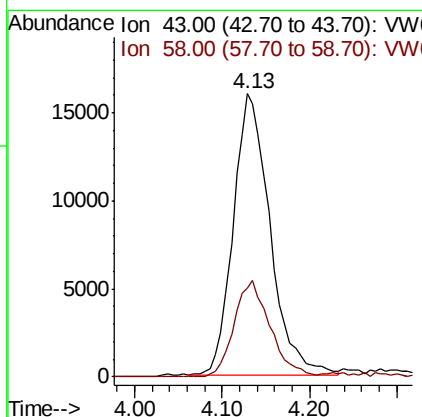
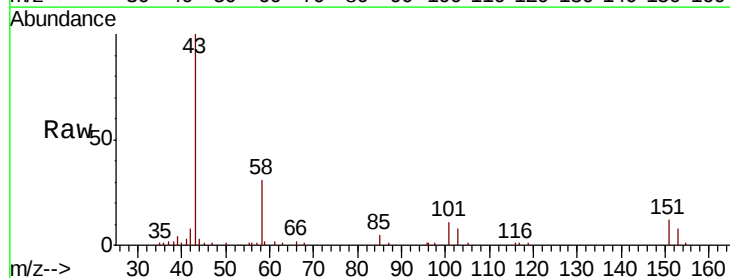
RT: 4.13 min Scan# 365

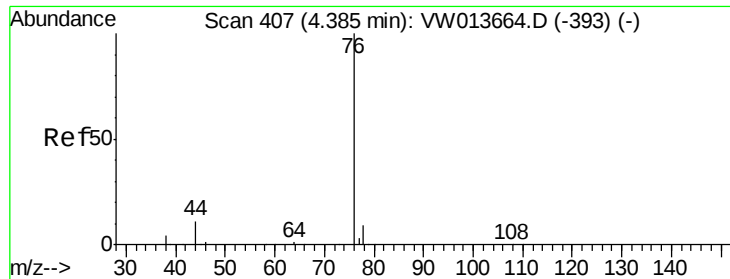
Delta R.T. -0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion:	43	Resp:	46632
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.1	36.1





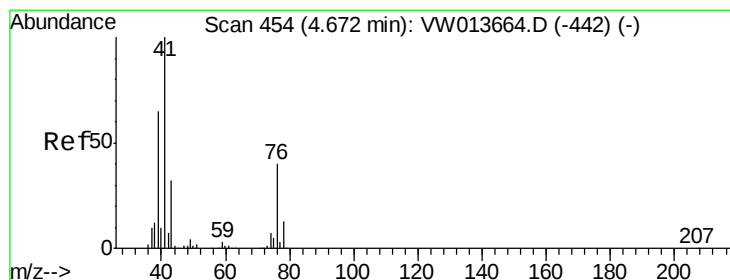
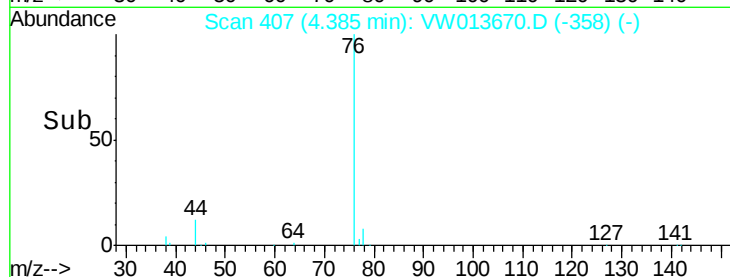
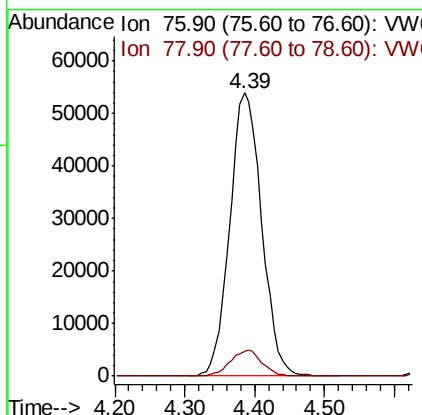
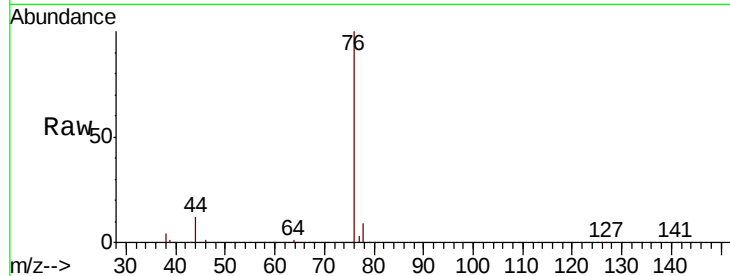
#17
Carbon Disulfide
Concen: 20.502 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	8.6	7.0	10.6	

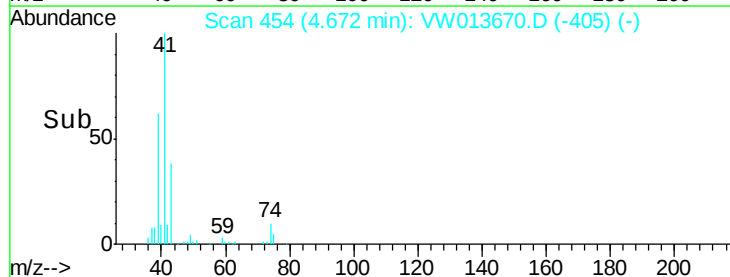
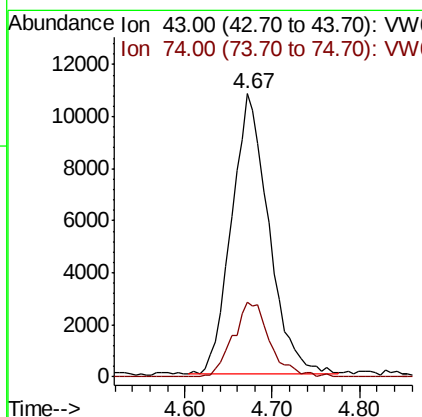
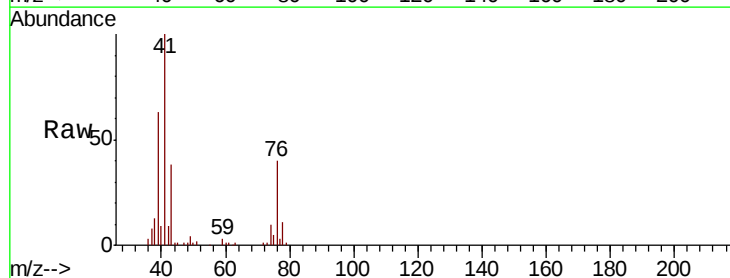
Manual Integrations
APPROVED

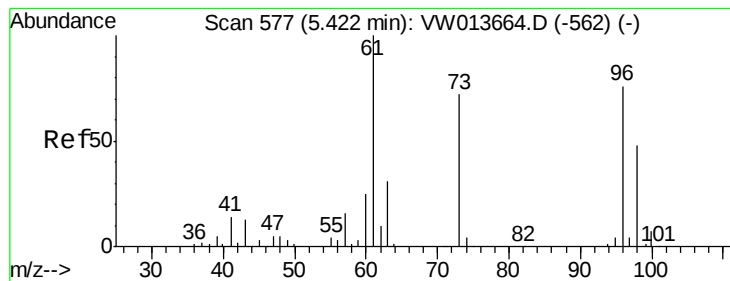
MMDadoda
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#18
Methyl Acetate
Concen: 22.499 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	26.3	19.8	29.8	





#19

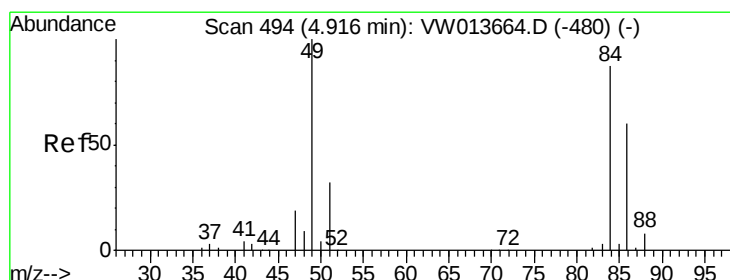
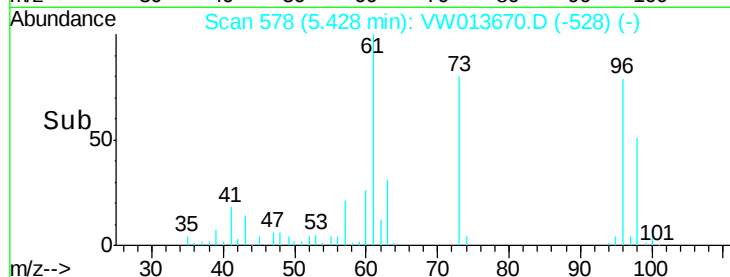
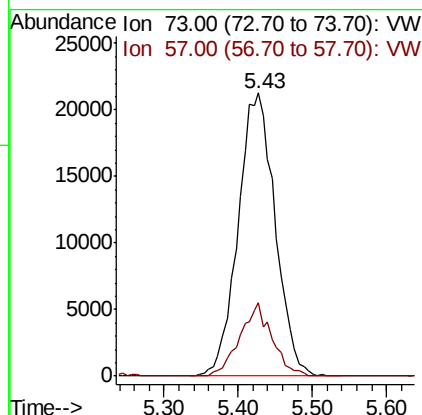
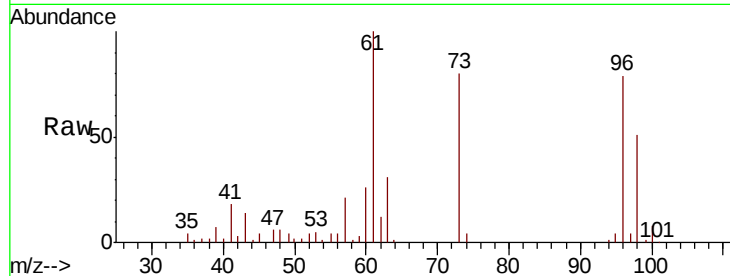
Methyl tert-butyl Ether
 Concen: 21.255 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.8	17.6	26.4

Manual Integrations
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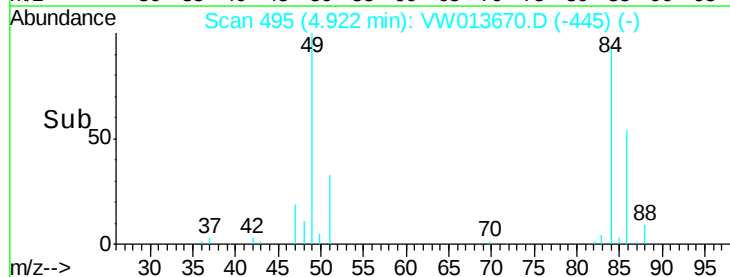
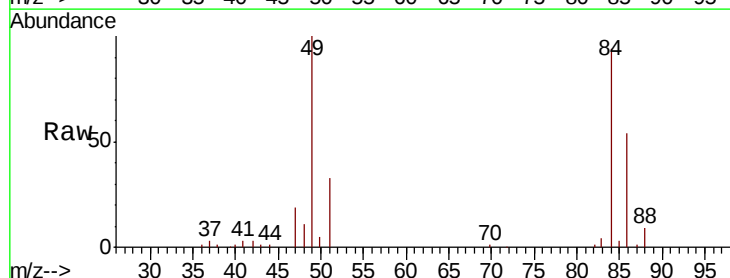
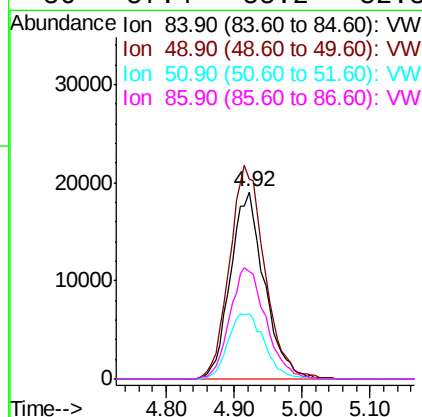
MMDadoda
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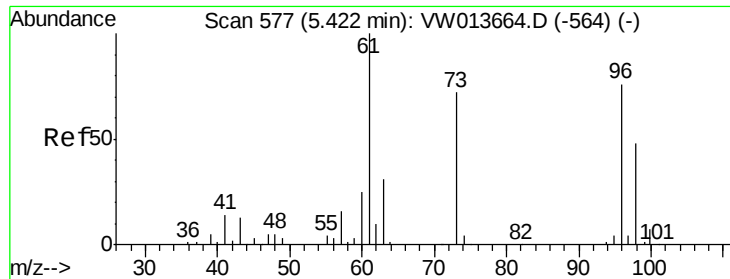


#20

Methylene Chloride
 Concen: 20.587 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.7	91.8	137.6
51	35.0	29.8	44.6
86	57.4	55.2	82.8





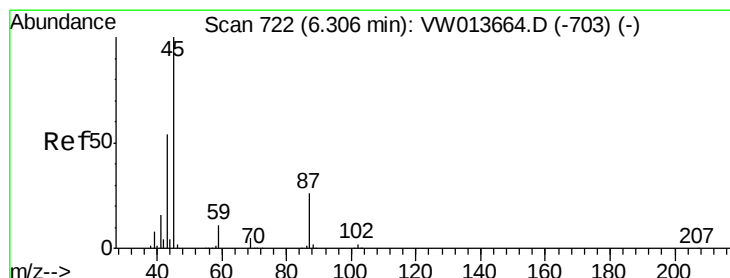
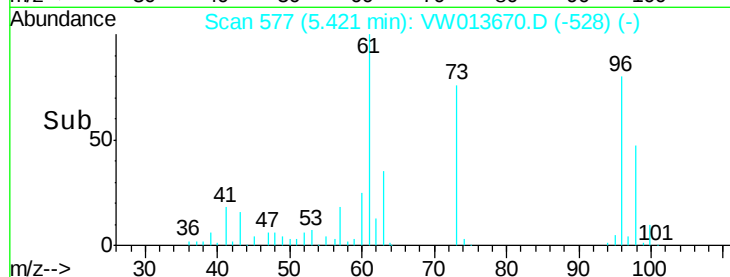
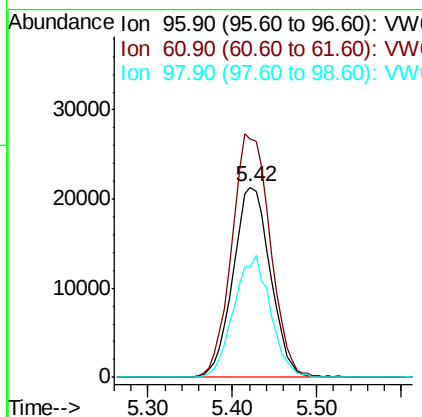
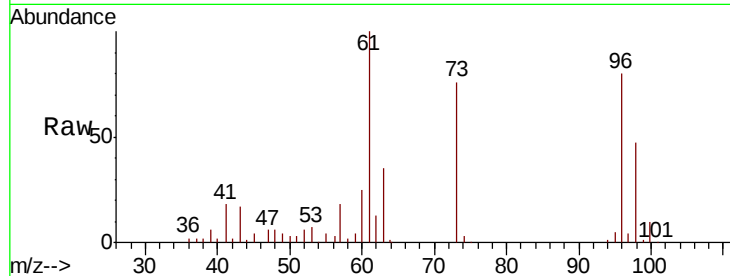
#21
trans-1,2-Dichloroethene
Concen: 20.506 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	104.8	157.2
98	58.3	50.6	76.0

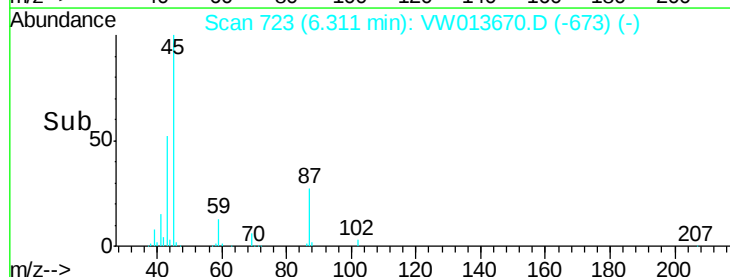
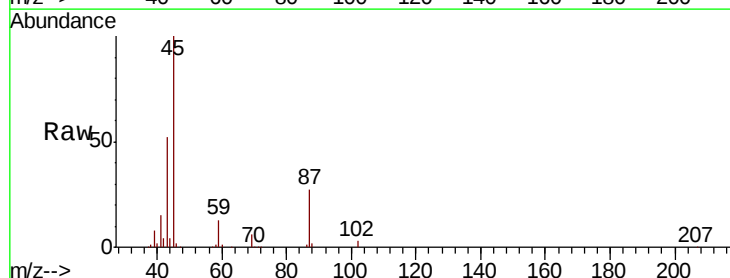
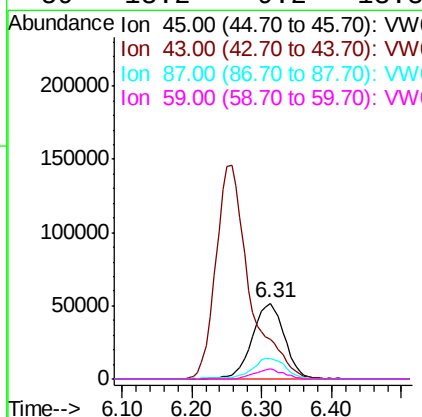
Manual Integrations
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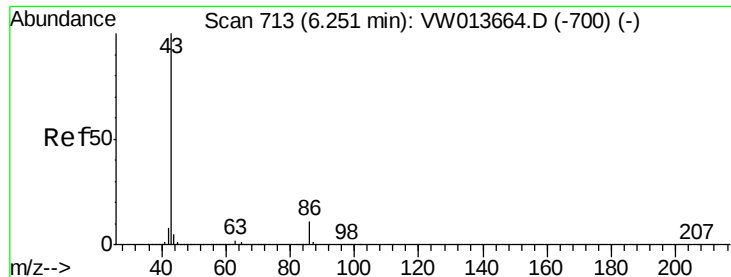
MMDadoda
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#22
Diisopropyl ether
Concen: 20.379 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	51.5	43.4	65.2
87	27.3	21.5	32.3
59	13.2	9.2	13.8





#23

Vinyl Acetate

Concen: 102.964 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 43 Resp: 485708

Ion Ratio Lower Upper

43 100

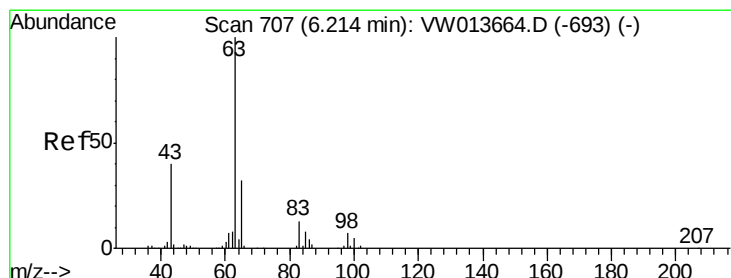
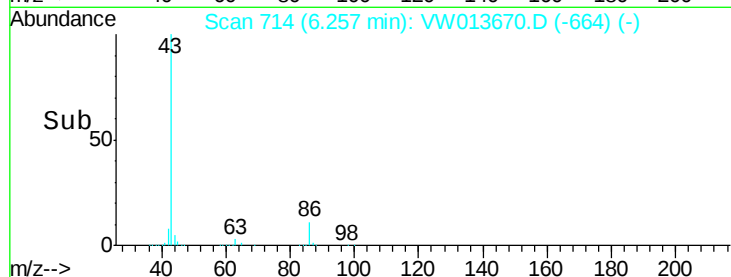
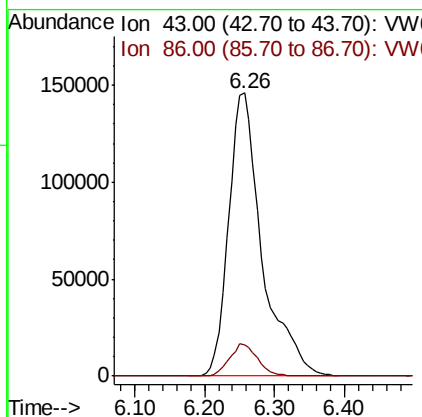
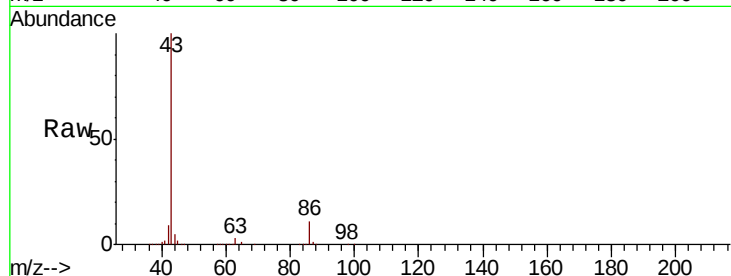
86 11.1 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.180 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

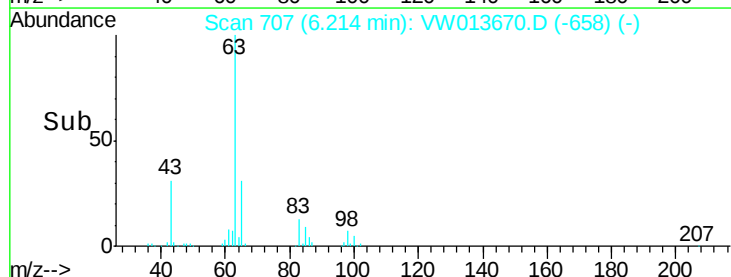
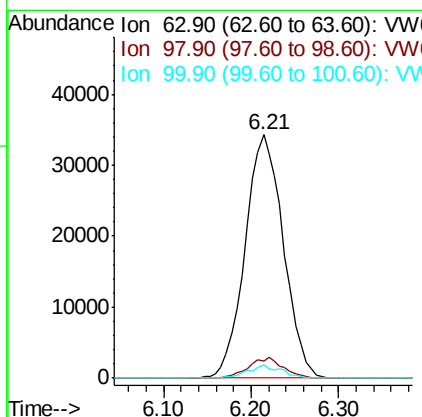
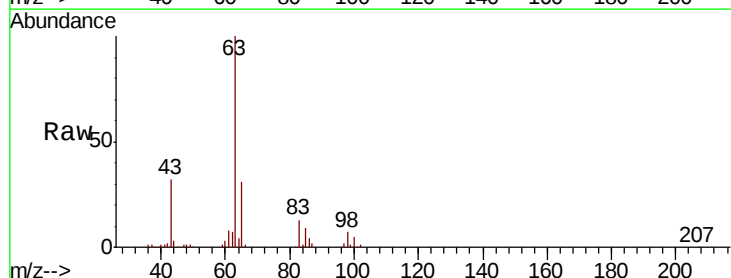
Tgt Ion: 63 Resp: 103905

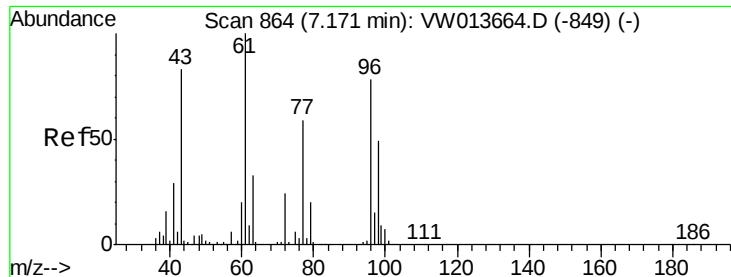
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 5.2 2.5 7.4





#25

2-Butanone

Concen: 104.088 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 43 Resp: 76926

Ion Ratio Lower Upper

43 100

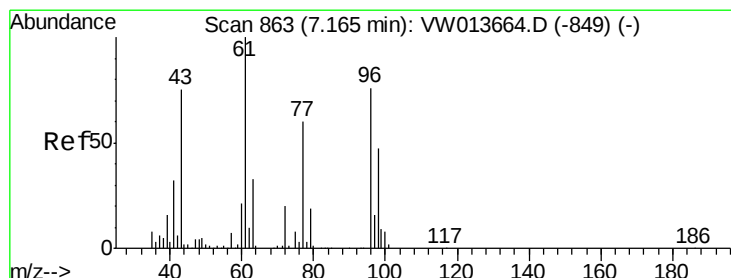
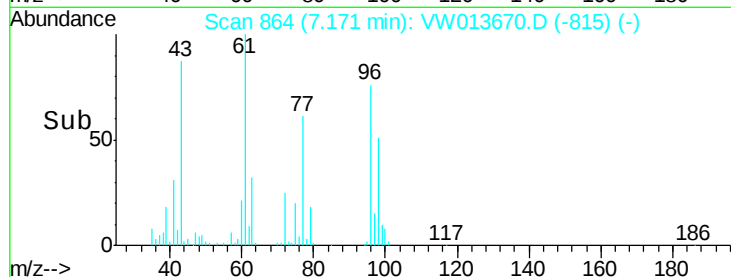
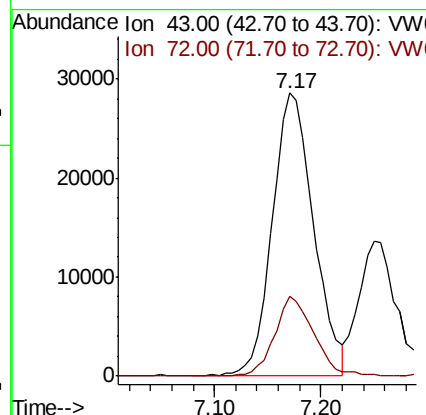
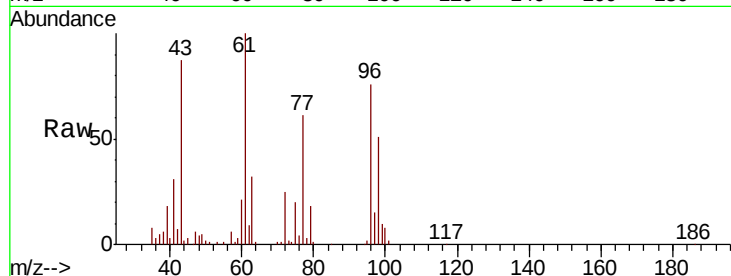
72 28.2 23.6 35.4

Manual Integrations

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10/24/2019 1:27:12 PM



#26

2,2-Dichloropropane

Concen: 20.180 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013670.D

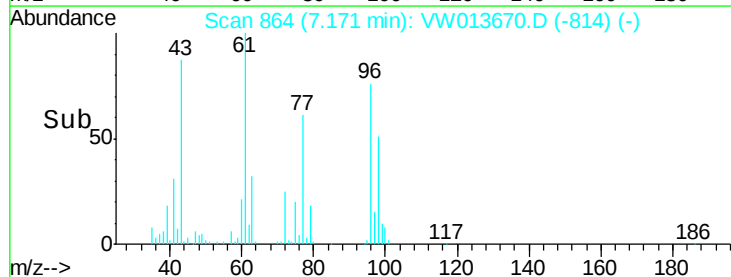
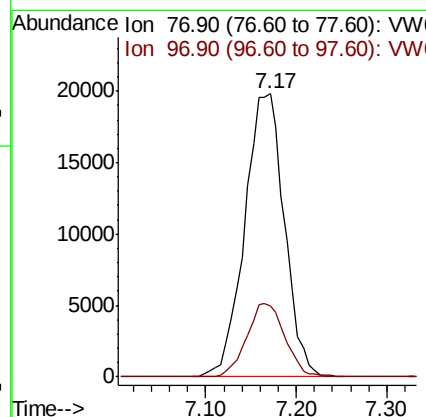
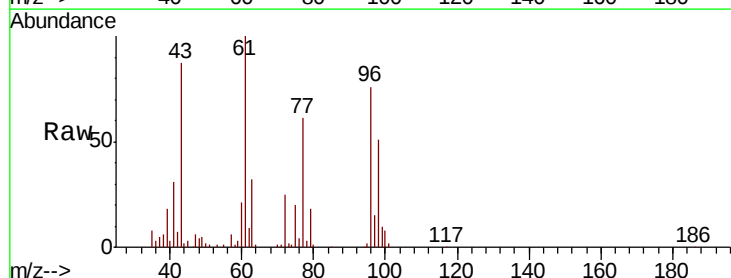
Acq: 23 Oct 2019 16:39

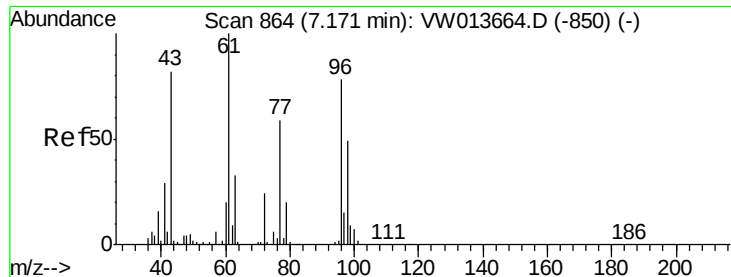
Tgt Ion: 77 Resp: 60083

Ion Ratio Lower Upper

77 100

97 25.0 12.8 38.4





#27

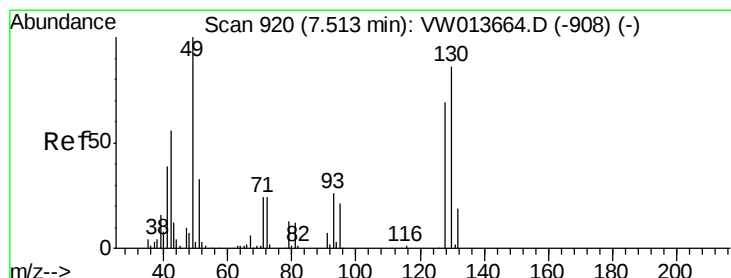
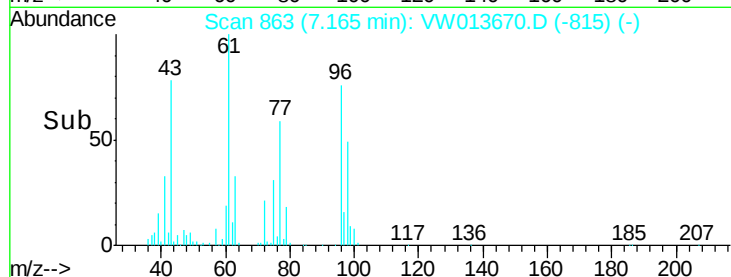
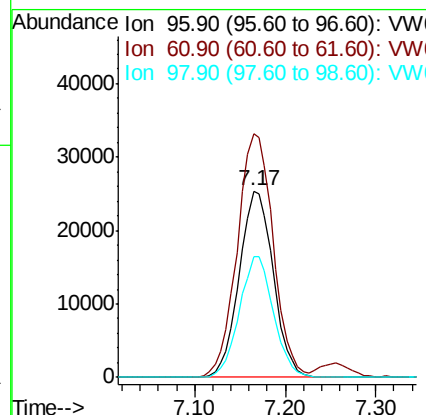
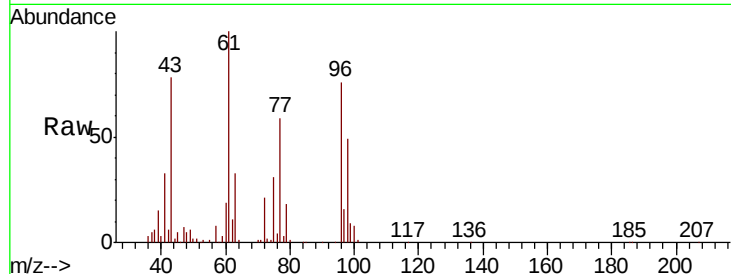
cis-1,2-Dichloroethene
Concen: 19.990 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	266.0
98	64.7	0.0	126.8

Manual Integrations
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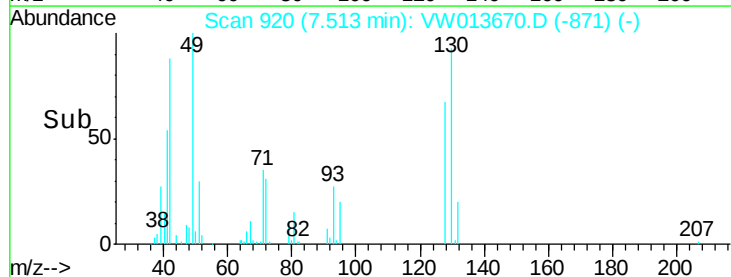
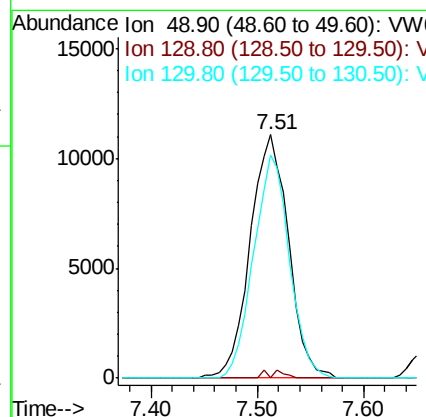
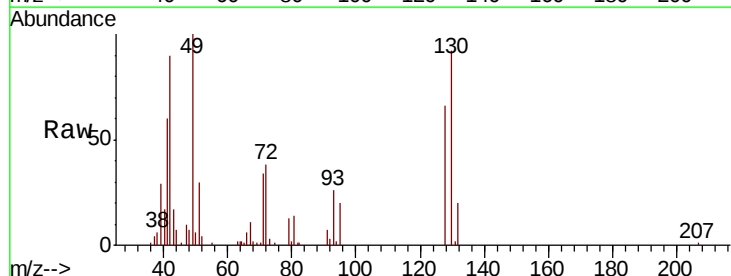
MMDadoda
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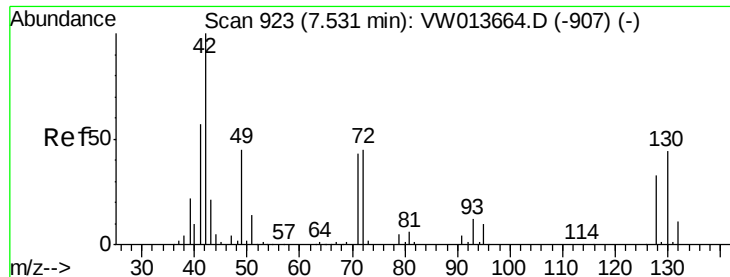


#28

Bromochloromethane
Concen: 16.201 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	0.6#
130	85.7	67.5	101.3





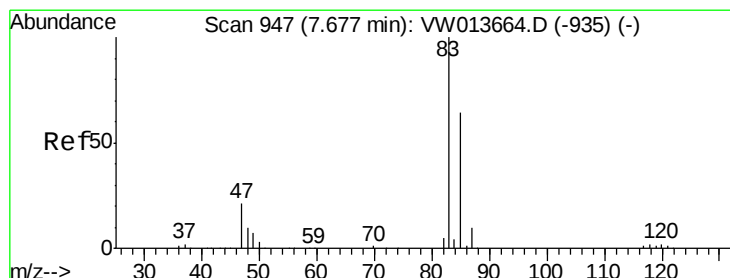
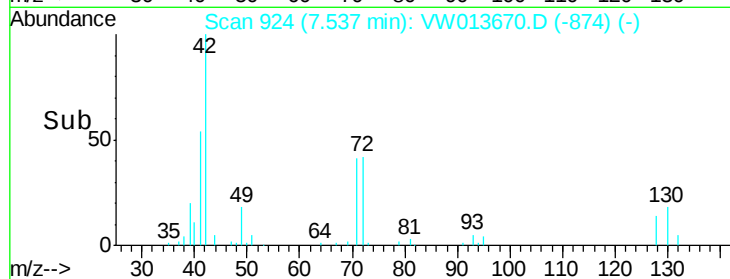
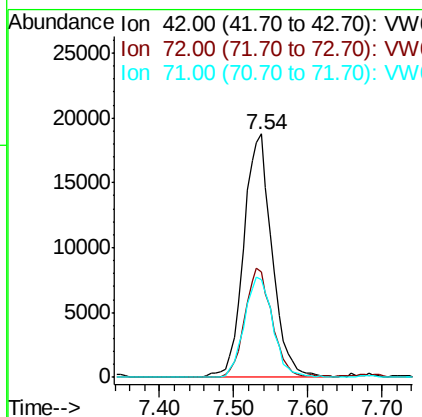
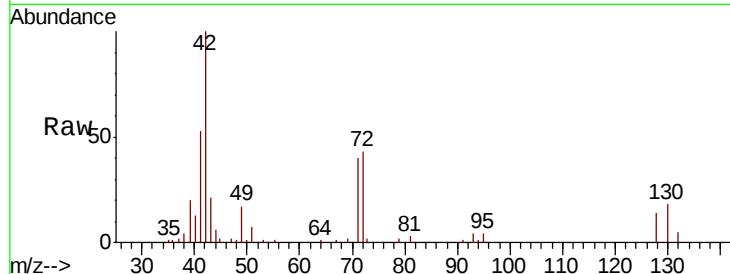
#29
Tetrahydrofuran
Concen: 109.853 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.3	52.9
71	41.4	33.3	49.9

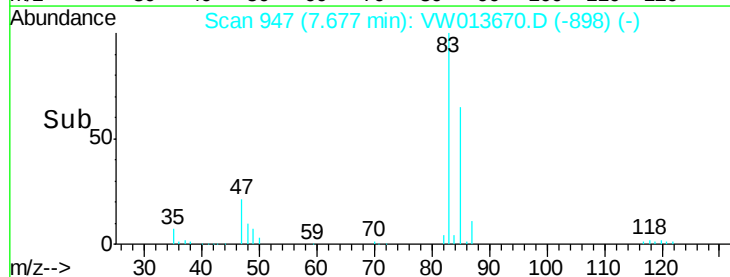
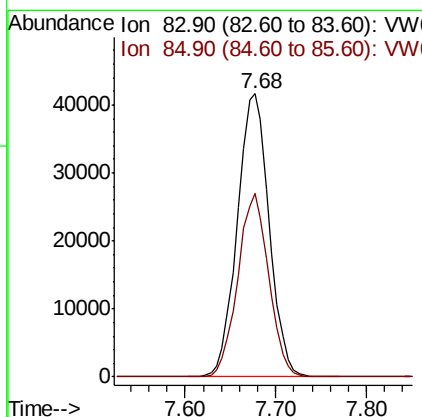
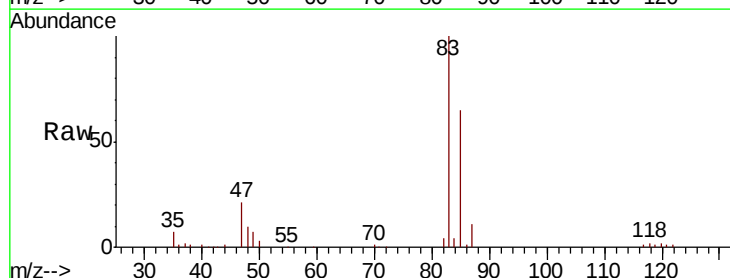
Manual Integrations
APPROVED

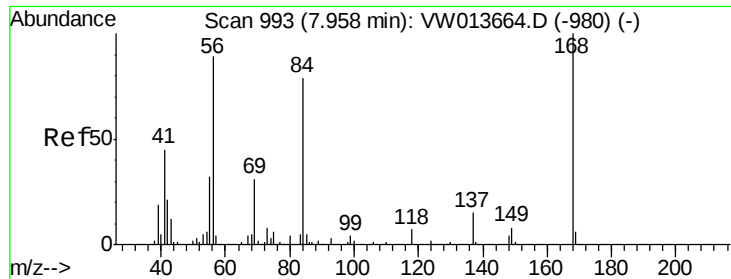
MMDadoda
10/24/2019 1:27:12 PM



#30
Chloroform
Concen: 19.871 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2





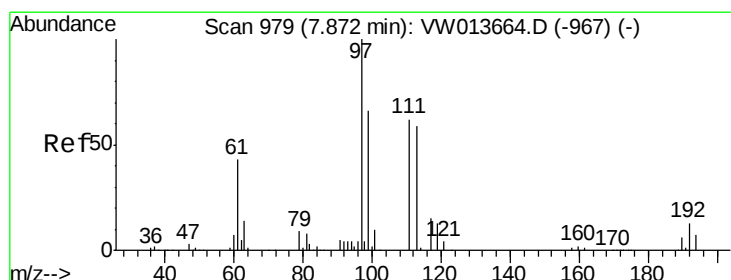
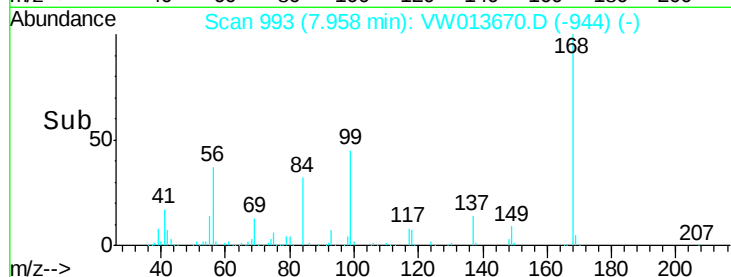
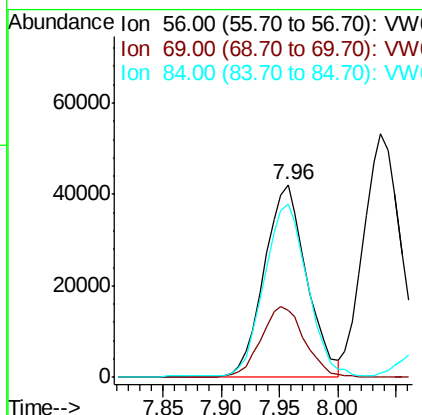
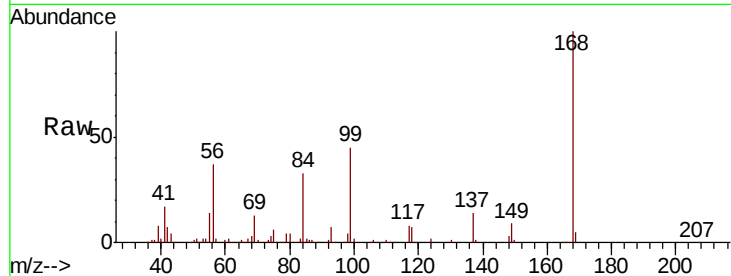
#31
Cyclohexane
Concen: 19.798 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	27.5	41.3
84	89.0	70.8	106.2

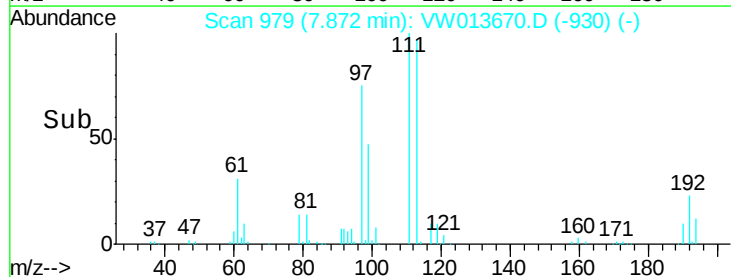
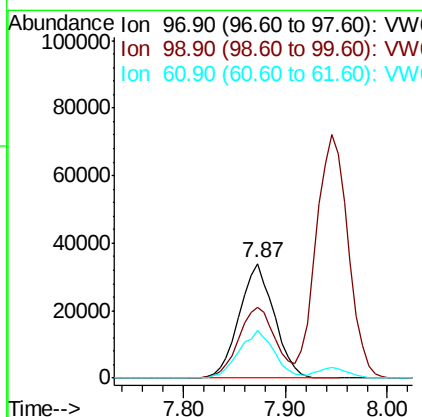
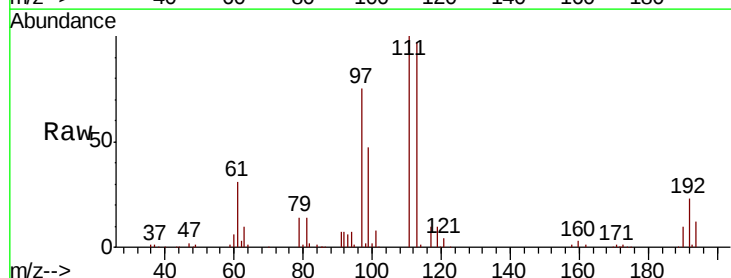
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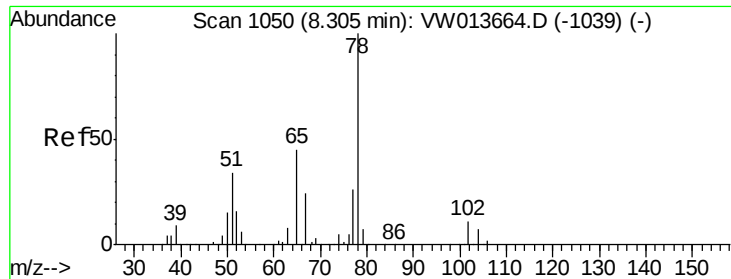
MMDadoda
10/24/2019 1:27:12 PM



#32
1,1,1-Trichloroethane
Concen: 20.262 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.0	78.0
61	41.8	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 54.364 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 65 Resp: 131802

Ion Ratio Lower Upper

65 100

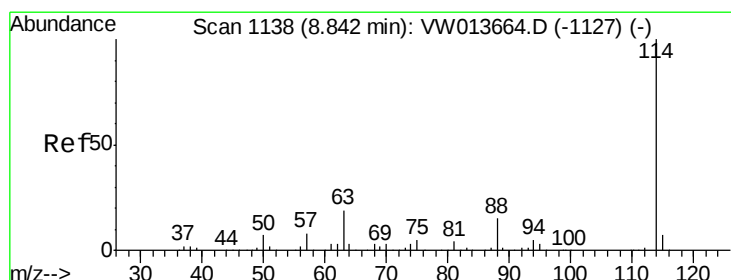
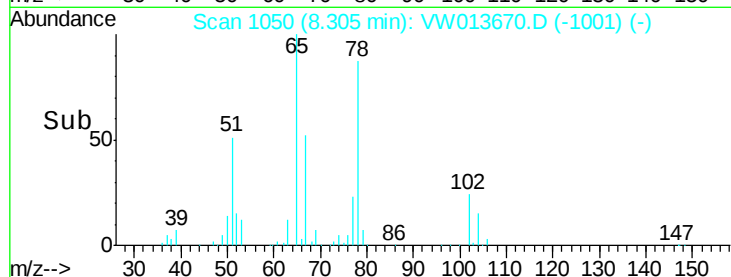
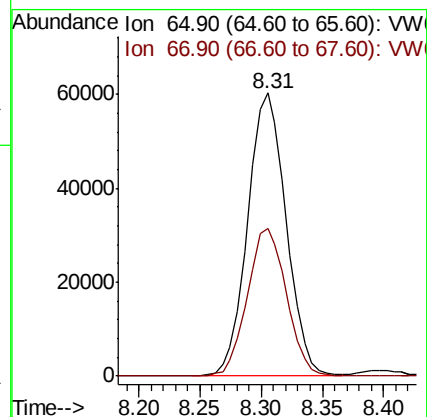
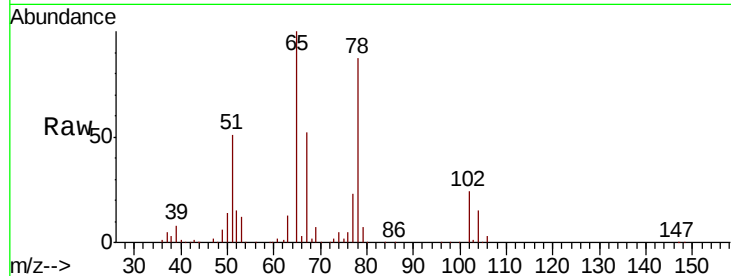
67 52.9 0.0 109.4

Manual Integrations

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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: VW013670.D

Acq: 23 Oct 2019 16:39

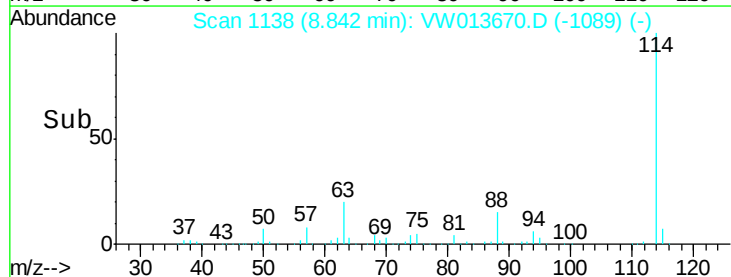
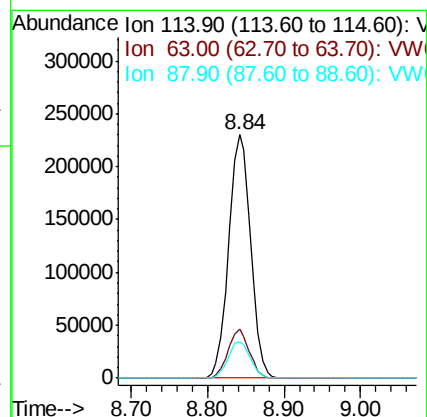
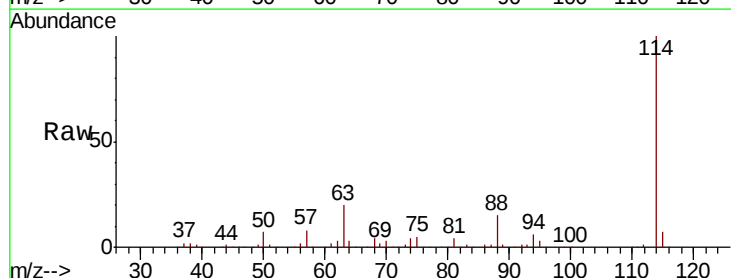
Tgt Ion: 114 Resp: 455006

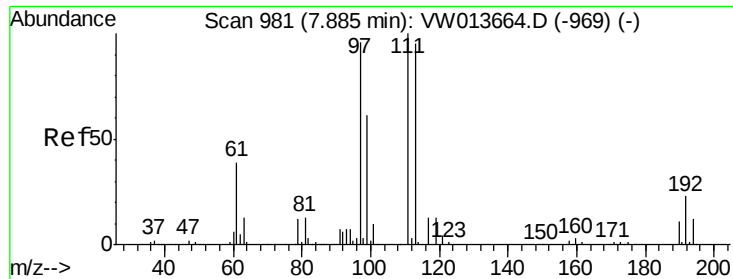
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.6

88 15.1 0.0 30.2





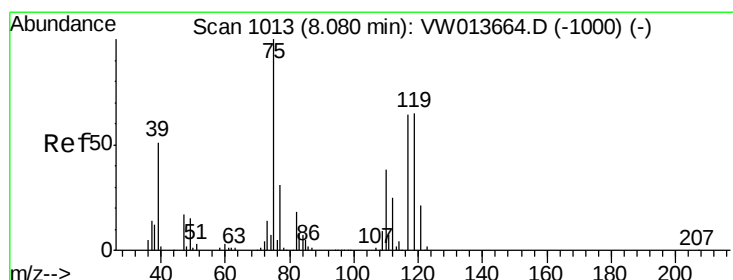
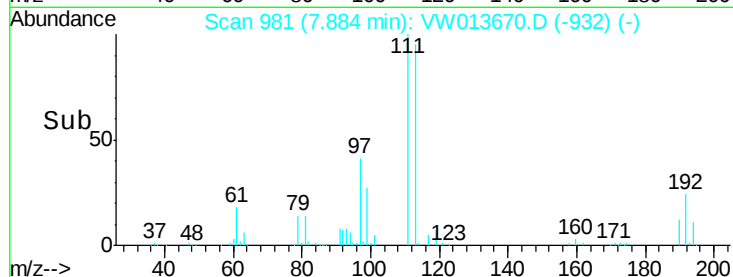
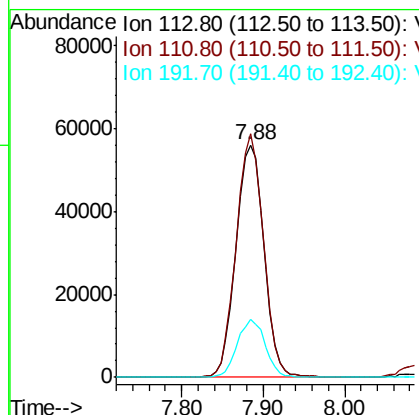
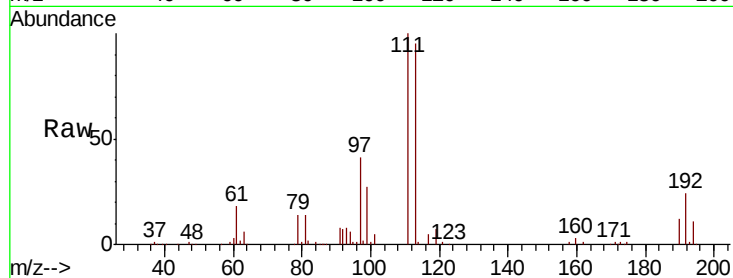
#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	83.0	124.6	
192	24.7	19.4	29.2	

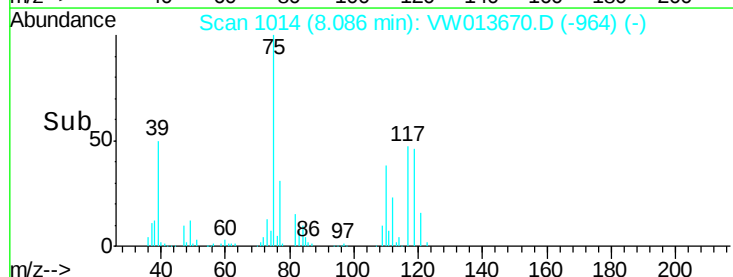
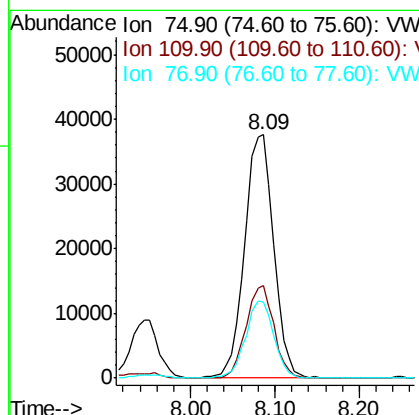
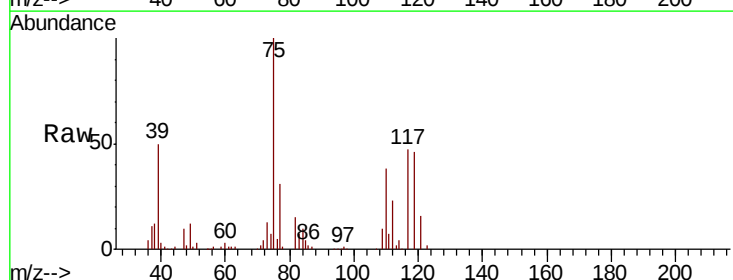
Manual Integrations
APPROVED

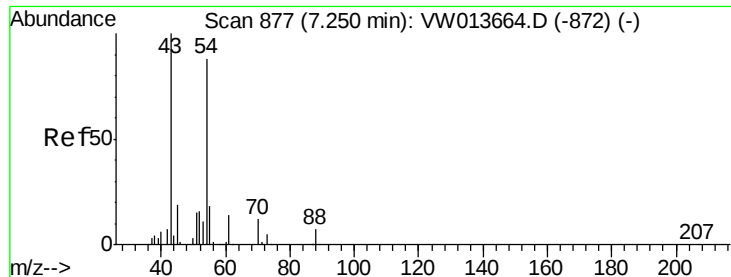
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10/24/2019 1:27:12 PM



#36
1,1-Dichloropropene
Concen: 20.647 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.3	18.7	56.1	
77	30.8	25.4	38.0	





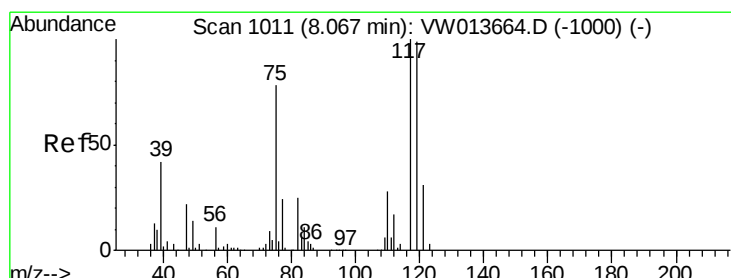
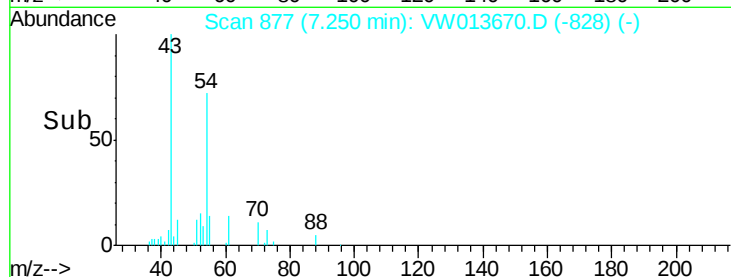
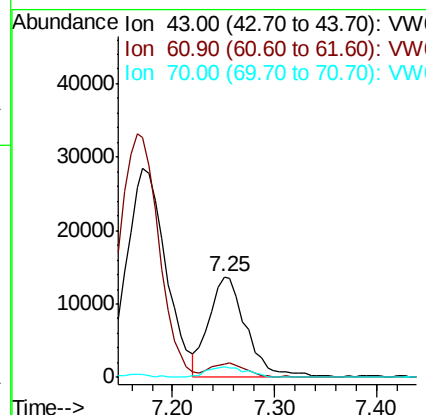
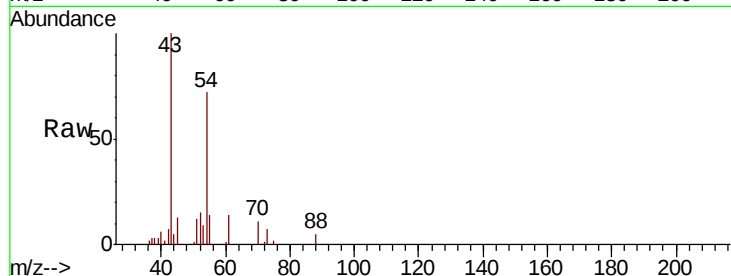
#37
Ethyl Acetate
Concen: 21.284 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.7	17.5
70	11.4	8.8	13.2

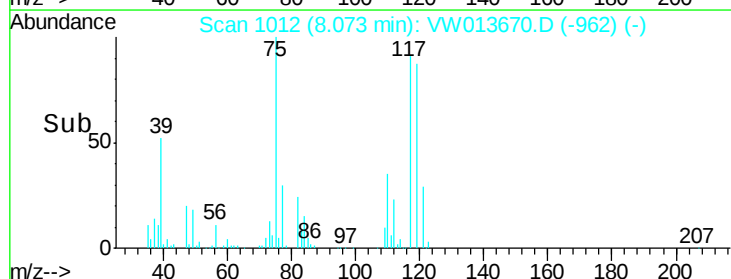
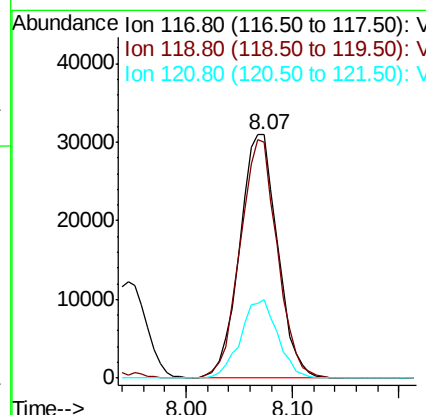
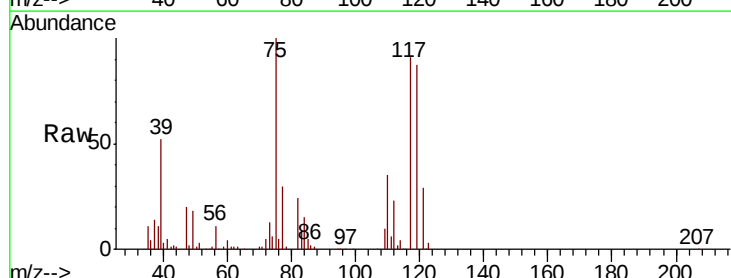
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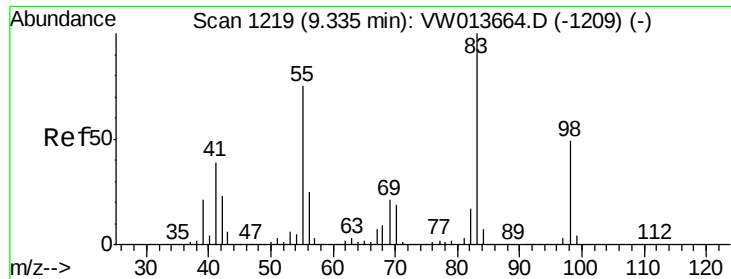
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.255 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	79.0	118.4
121	32.2	24.5	36.7





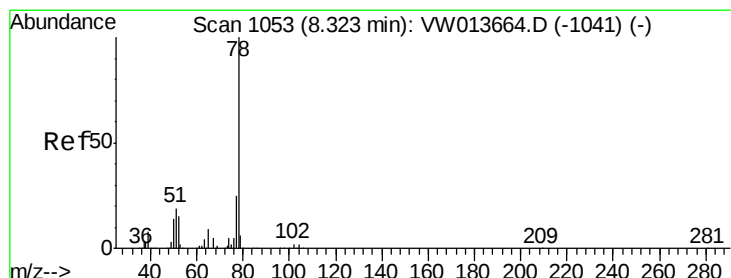
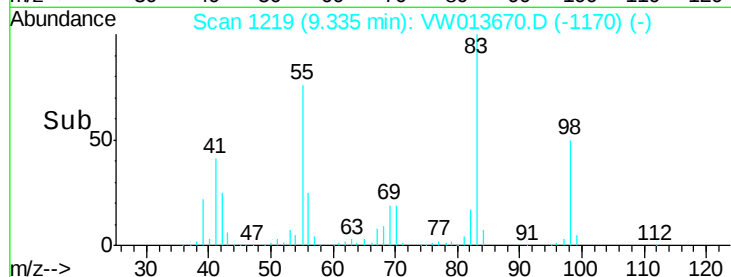
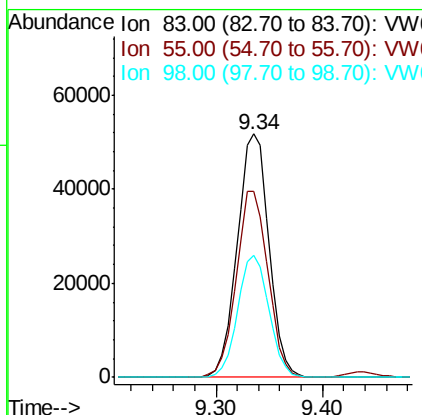
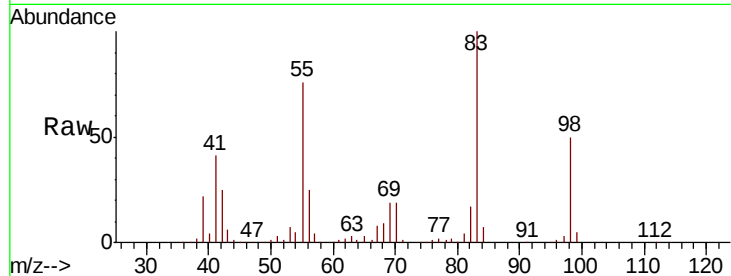
#39
Methvlcvclohexane
Concen: 19.780 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD01

Tot Ion	83	Resp	108243
Ion Ratio	Lower	Upper	
83	100		
55	76.5	59.9	89.9
98	50.1	39.4	59.2

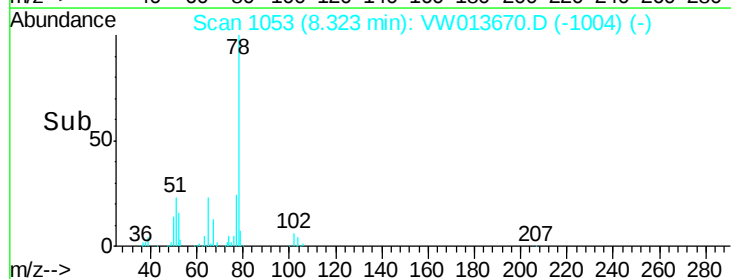
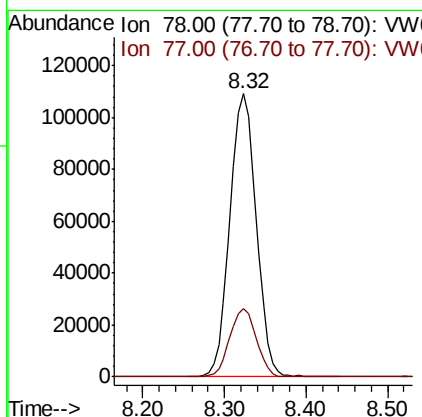
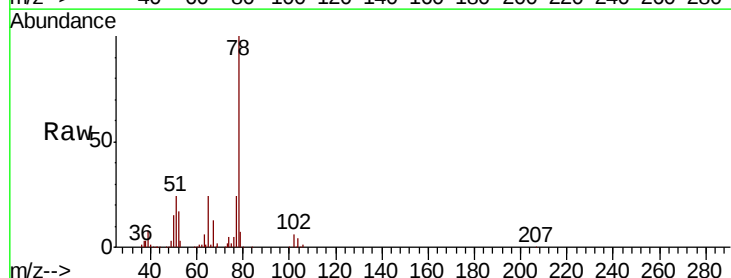
Manual Integrations
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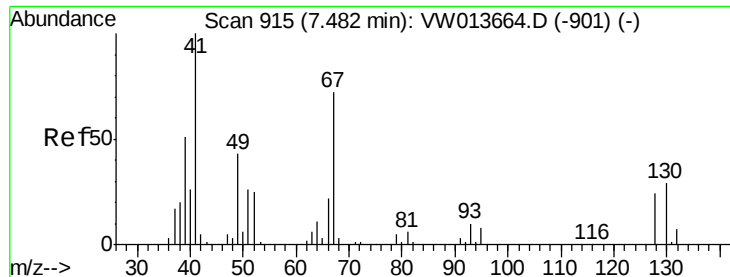
MMDadoda
10/24/2019 1:27:12 PM



#40
Benzene
Concen: 20.235 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	78	Resp	242656
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.6	29.4





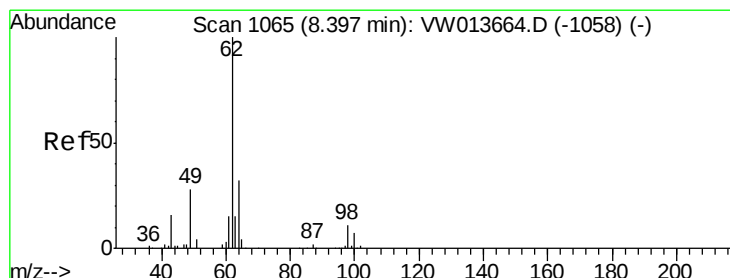
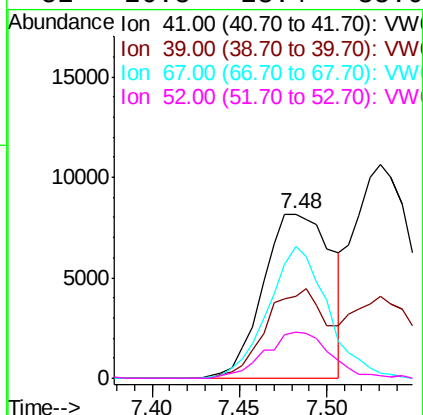
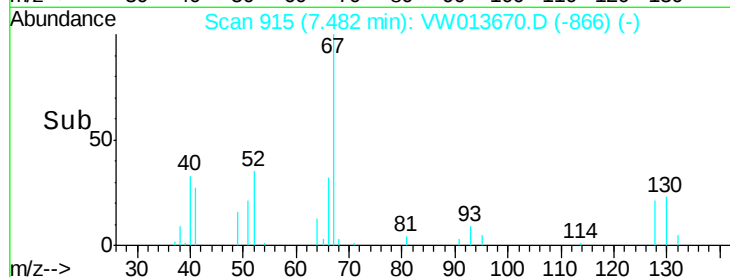
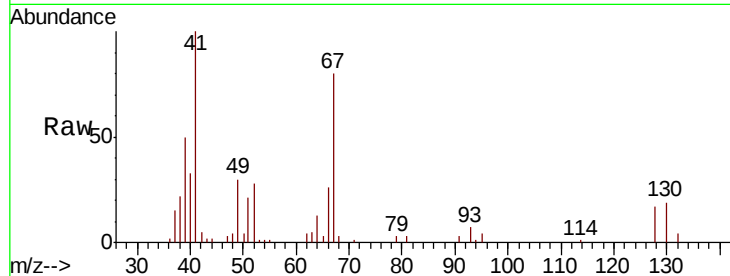
#41
Methacrylonitrile
Concen: 22.104 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	41	Resp	22359
Ion	Ratio	Lower	Upper
41	100		
39	49.2	44.8	67.2
67	69.6	59.3	88.9
52	26.8	23.4	35.0

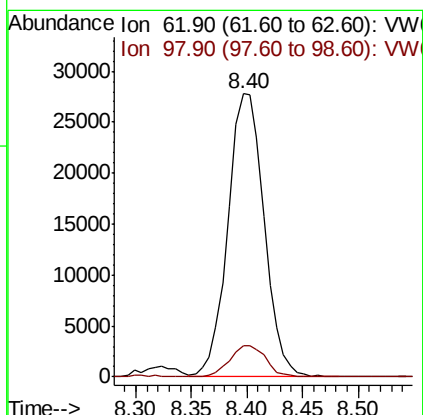
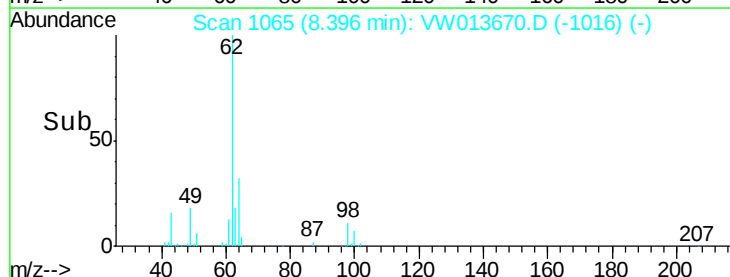
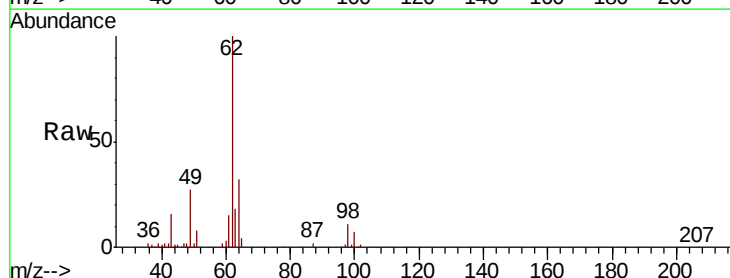
Manual Integrations
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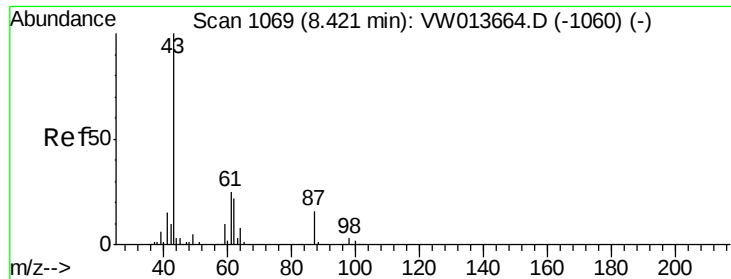
MMDadoda
10/24/2019 1:27:12 PM



#42
1,2-Dichloroethane
Concen: 20.746 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	62	Resp	62693
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.4





#43

Isopropyl Acetate

Concen: 21.468 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

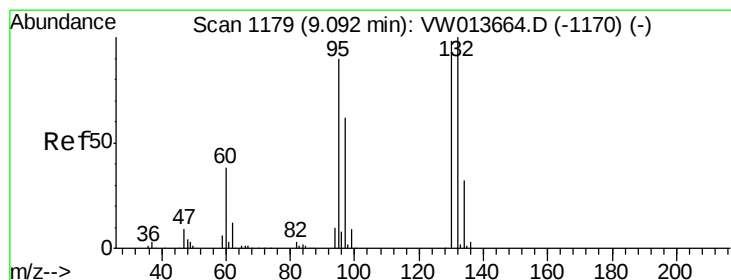
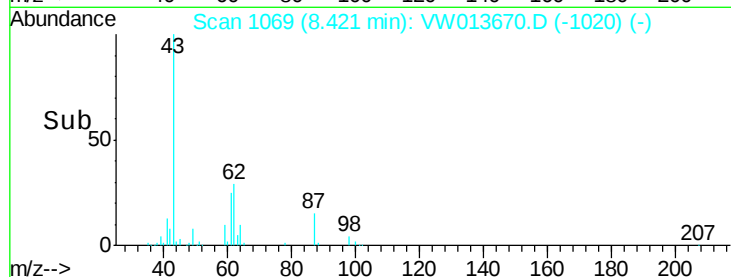
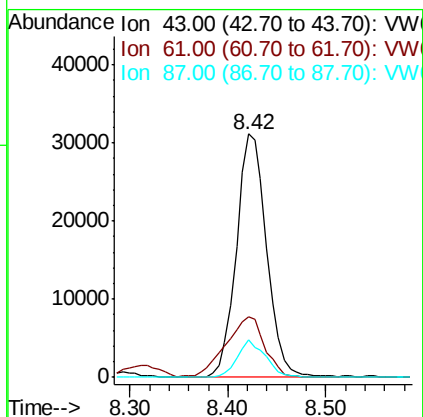
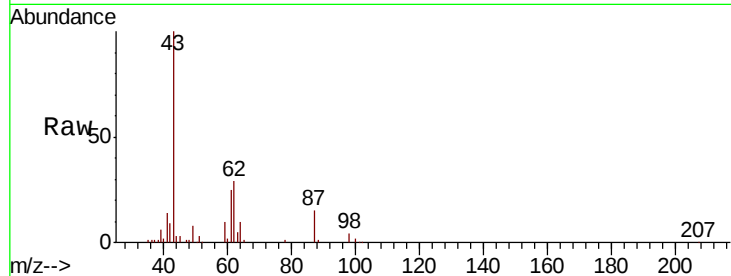
ClientSampleId :

VW1023SBS01

Tot Ion:	43	Resp:	66657
Ion	Ratio	Lower	Upper
43	100		
61	32.0	26.1	39.1
87	14.1	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.417 ug/l

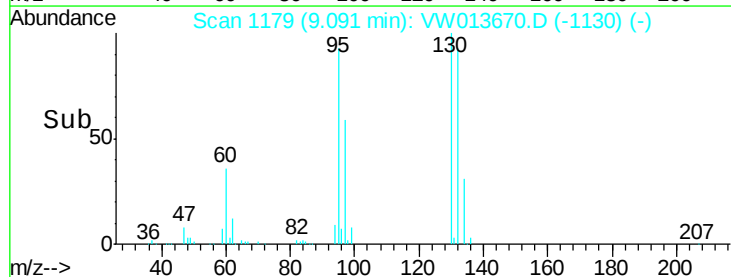
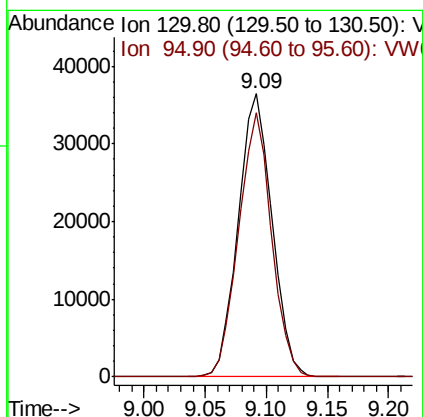
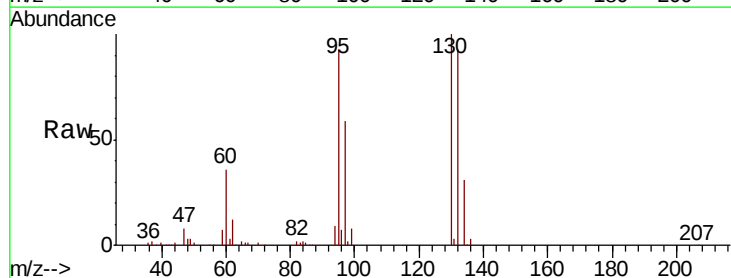
RT: 9.09 min Scan# 1179

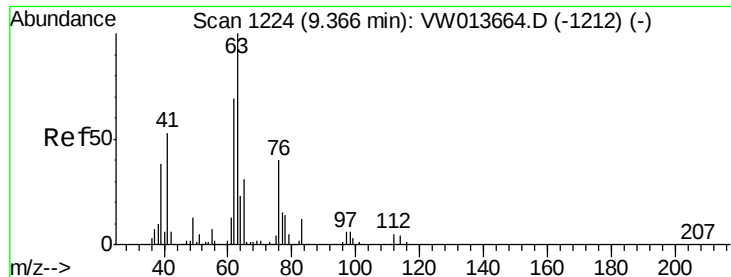
Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion:	130	Resp:	70134
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	184.6





#45

1,2-Dichloropropane

Concen: 19.625 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 63 Resp: 56215

Ion Ratio Lower Upper

63 100

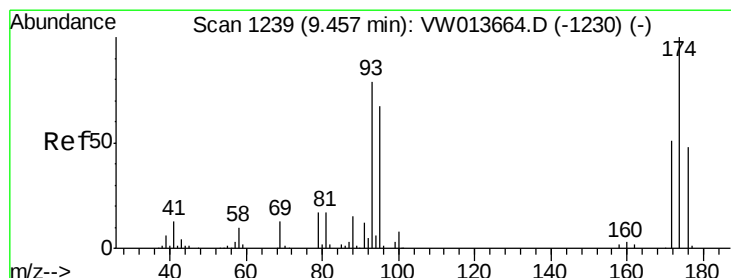
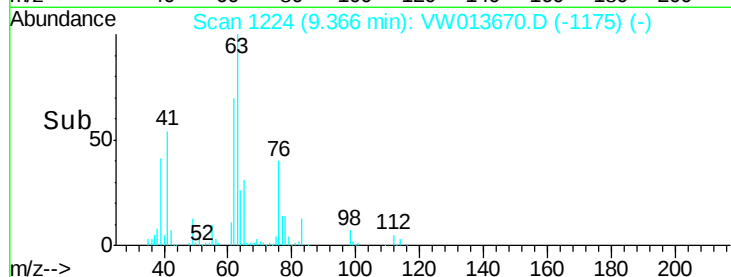
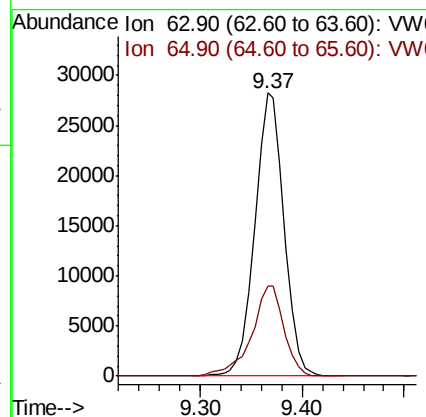
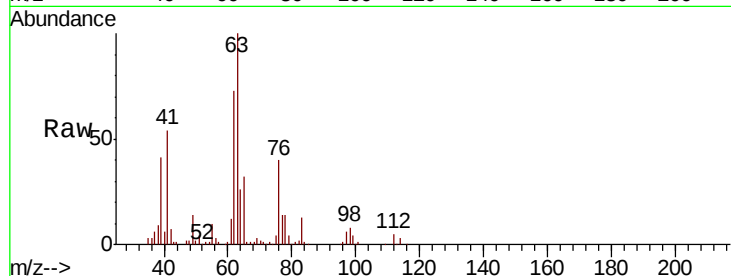
65 31.6 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 20.725 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

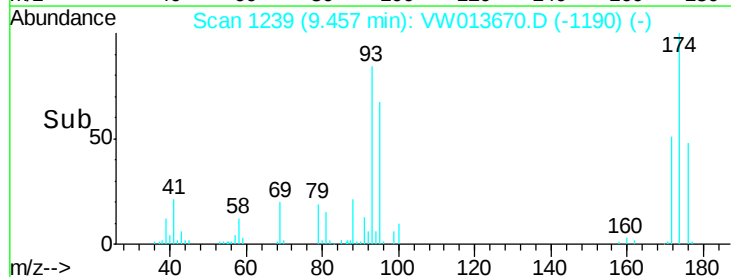
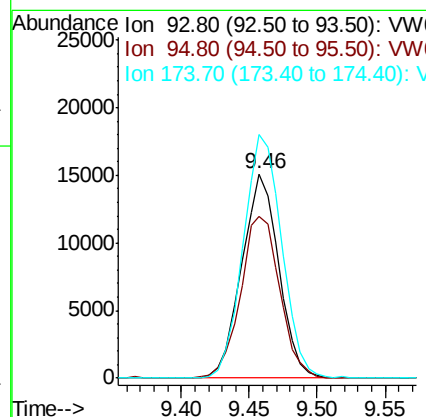
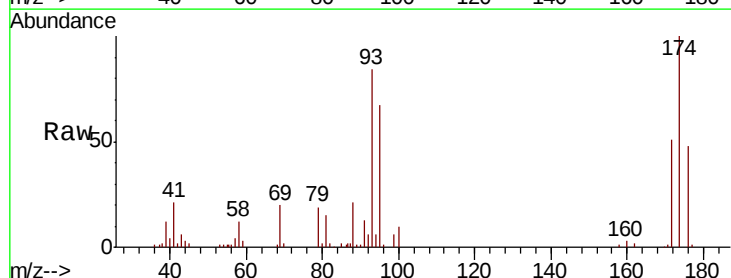
Tgt Ion: 93 Resp: 28813

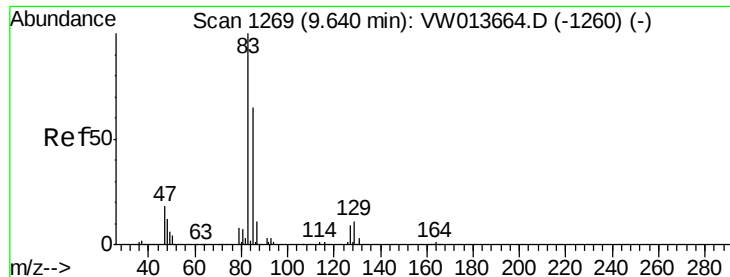
Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 123.8 99.6 149.4





#47

Bromodichloromethane

Concen: 20.161 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

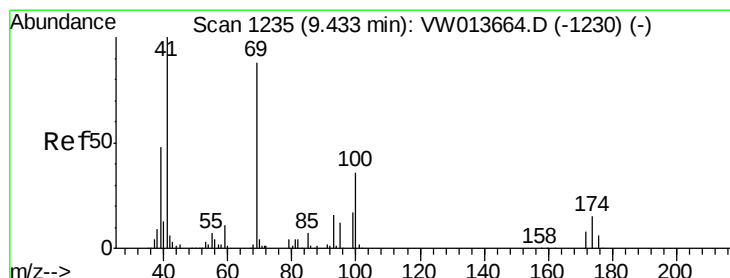
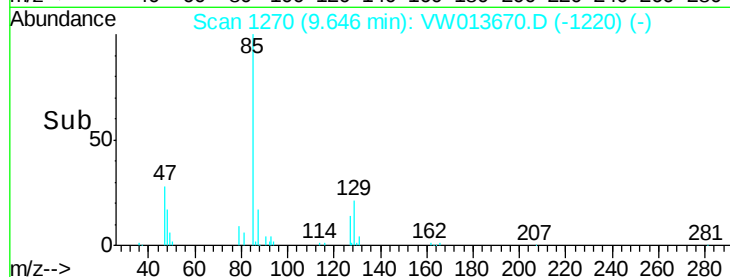
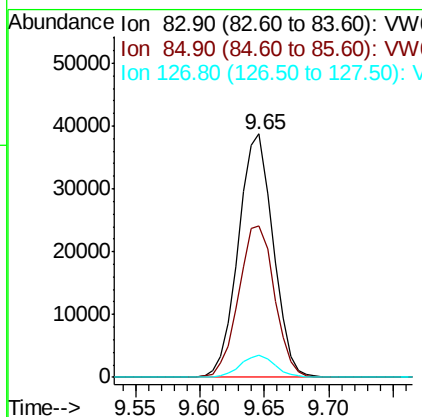
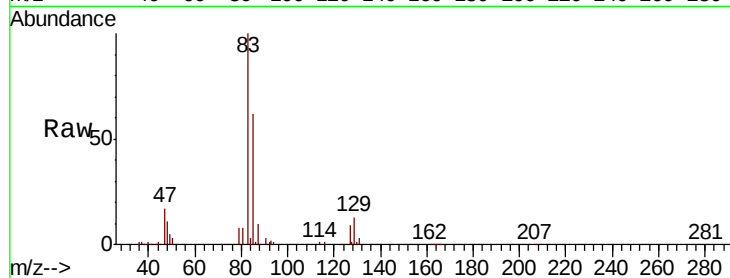
ClientSampleId :

VW1023SBS01

Tot Ion:	83	Resp:	72523
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.8	77.6
127	8.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.718 ug/l

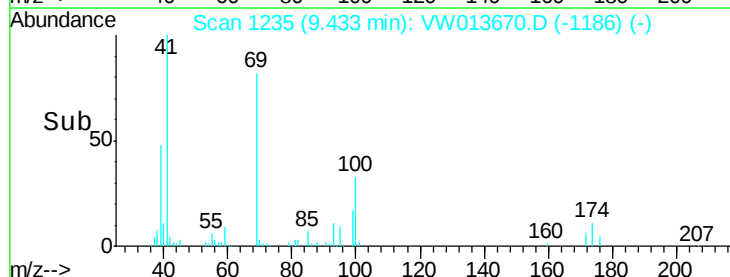
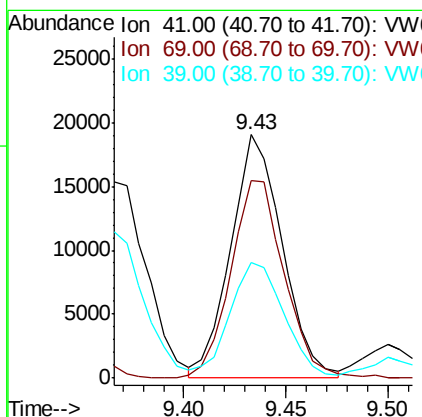
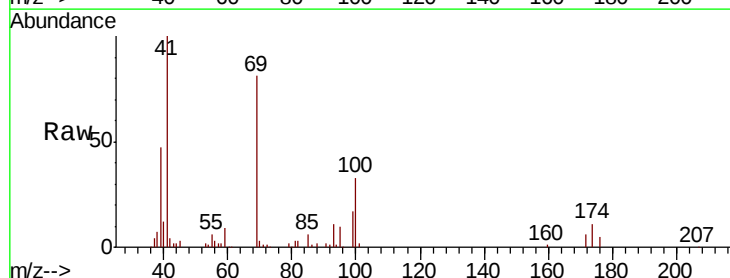
RT: 9.43 min Scan# 1235

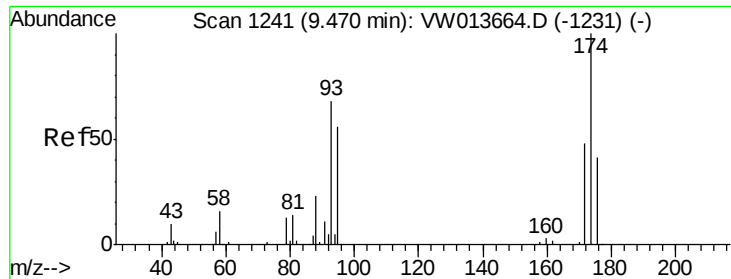
Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion:	41	Resp:	33440
Ion	Ratio	Lower	Upper
41	100		
69	84.4	67.6	101.4
39	47.2	38.6	58.0





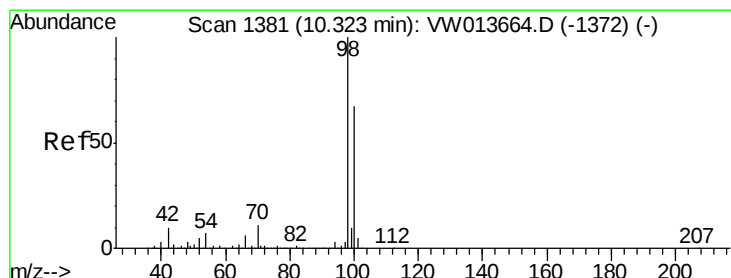
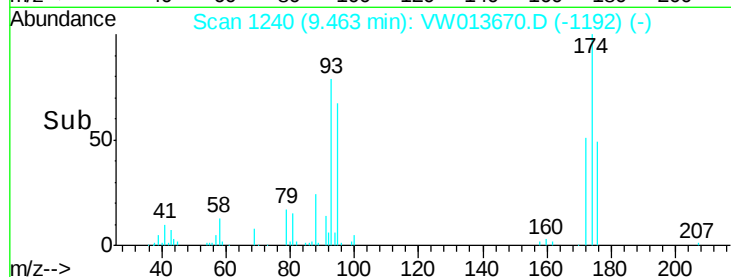
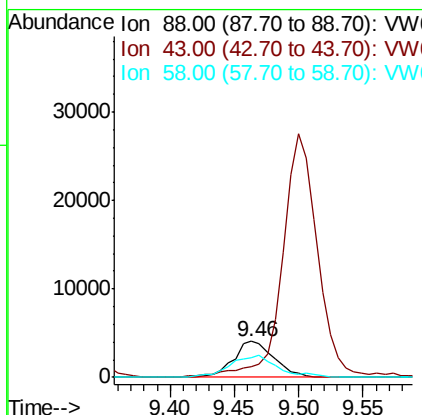
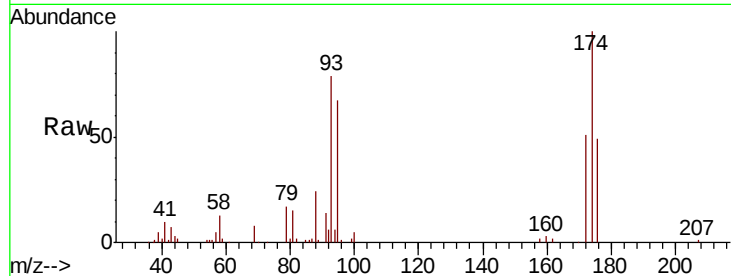
#49
1,4-Dioxane
Concen: 434.776 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.3	58.9	88.3

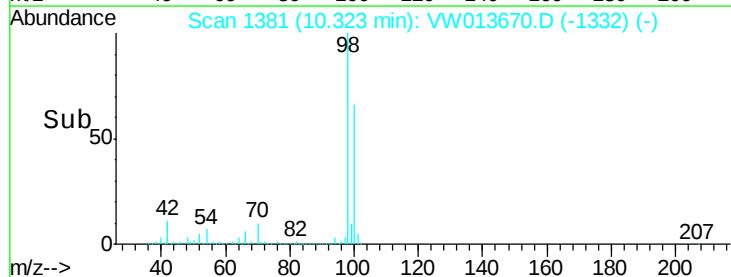
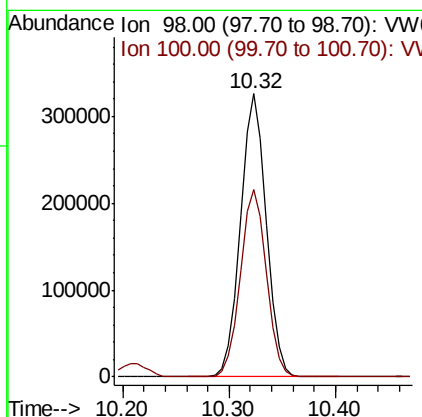
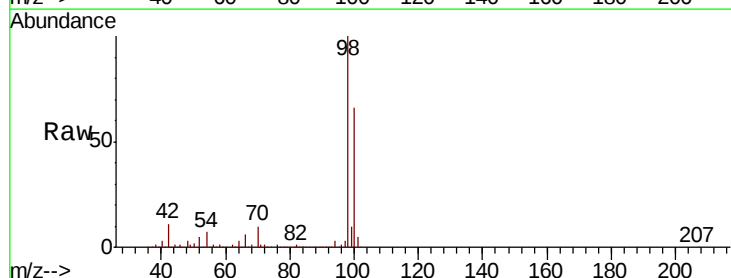
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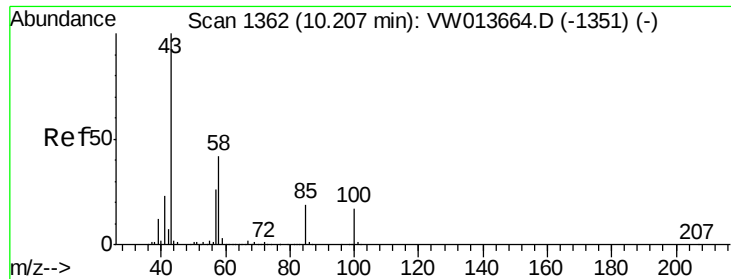
MMDadoda
10/24/2019 1:27:12 PM



#50
Toluene-d8
Concen: 53.887 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 108.213 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleID :

VW1023SBS01

Tot Ion: 43 Resp: 166963

Ion Ratio Lower Upper

43 100

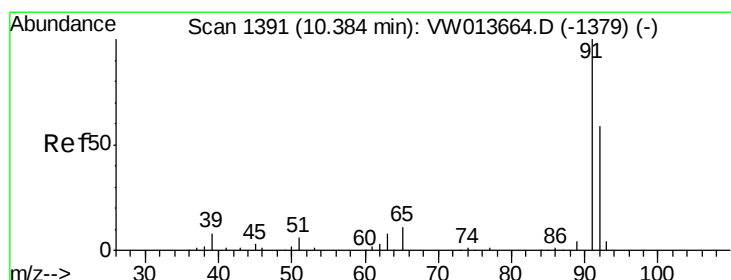
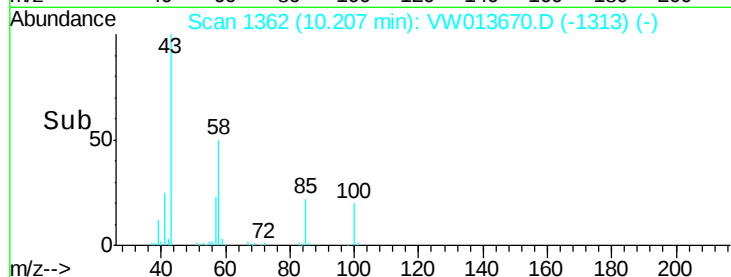
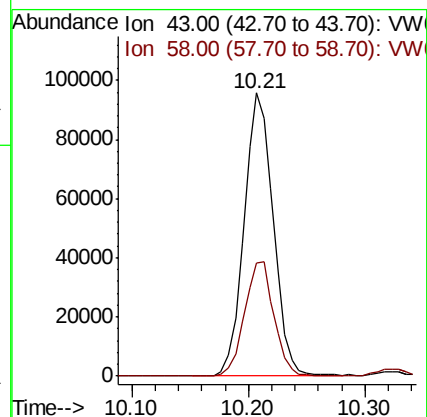
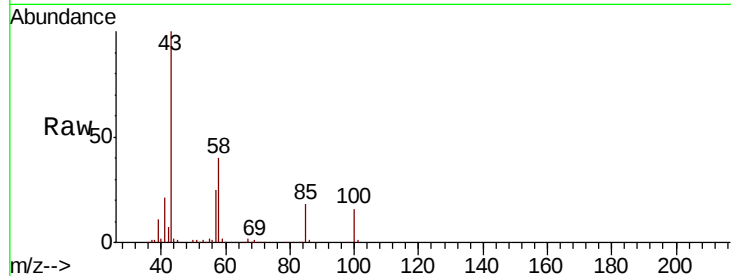
58 40.9 32.6 49.0

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10/24/2019 1:27:12 PM



#52

Toluene

Concen: 20.475 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013670.D

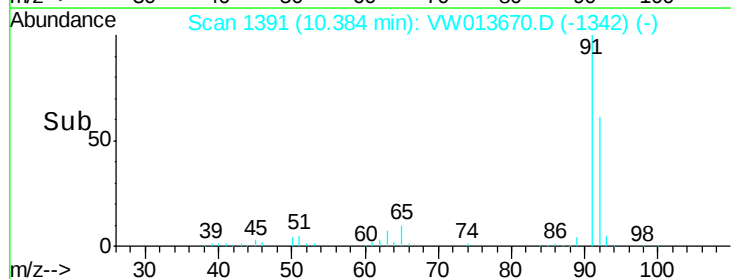
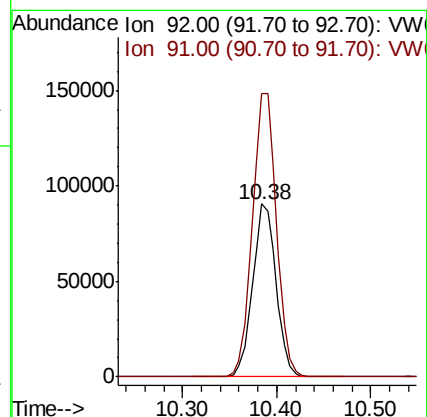
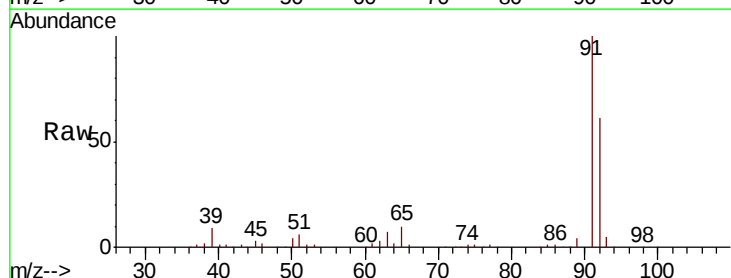
Acq: 23 Oct 2019 16:39

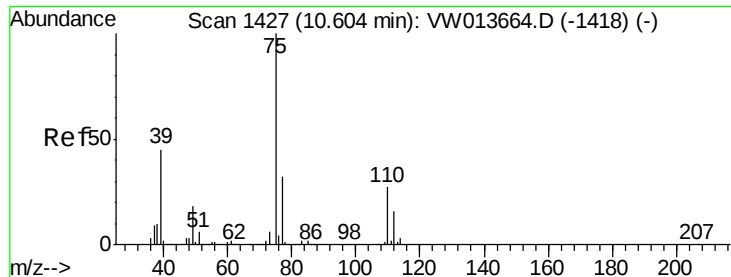
Tgt Ion: 92 Resp: 158385

Ion Ratio Lower Upper

92 100

91 168.1 134.5 201.7





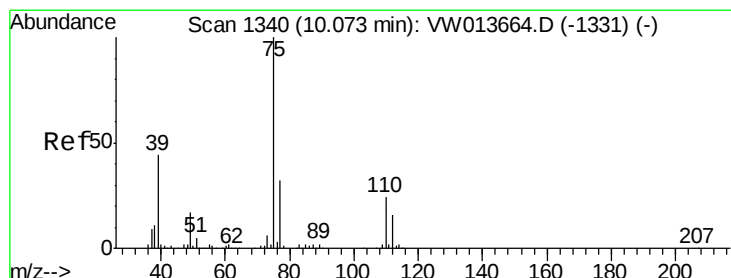
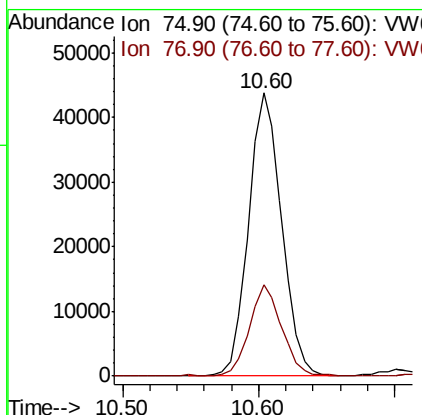
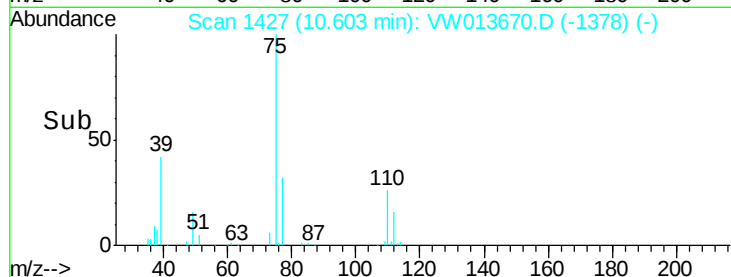
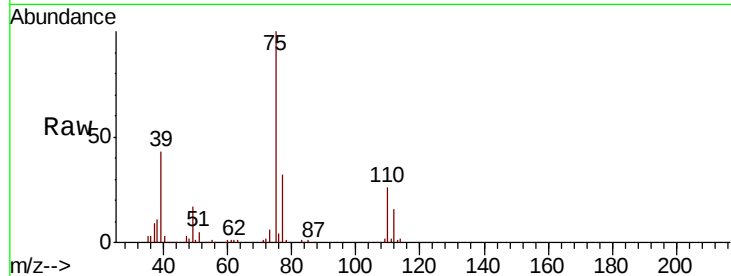
#53
 t-1,3-Dichloropropene
 Concen: 20.505 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion: 75 Resp: 74670
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.5 38.3

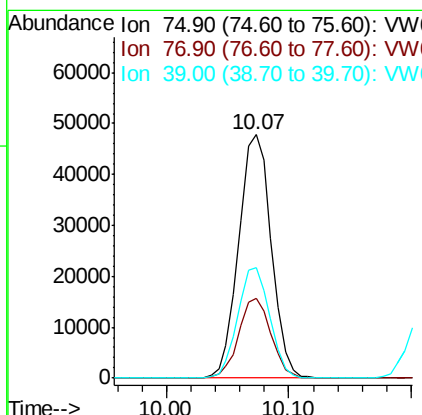
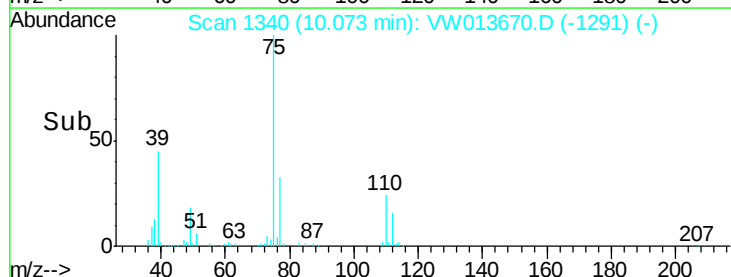
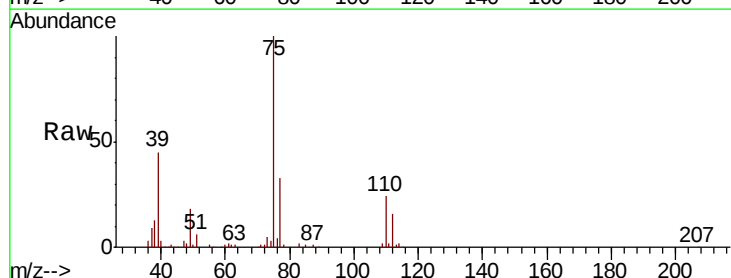
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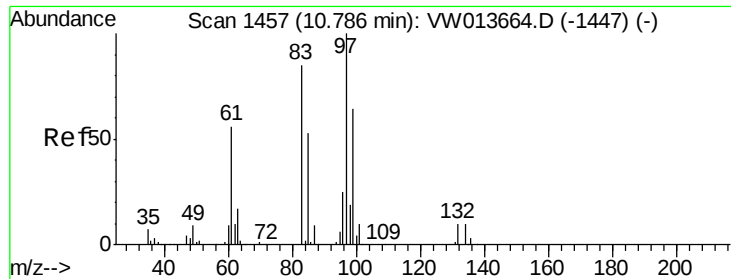
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#54
 cis-1,3-Dichloropropene
 Concen: 19.716 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion: 75 Resp: 88582
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.6
 39 45.4 35.3 52.9





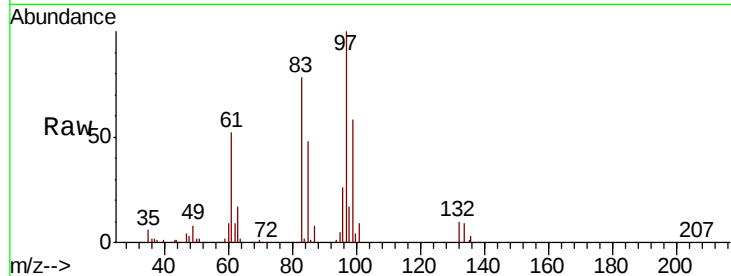
#55
 1,1,2-Trichloroethane
 Concen: 21.113 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion:	97	Resp:	43746
Ion	Ratio	Lower	Upper
97	100		
83	78.1	67.8	101.8
85	48.2	42.1	63.1
99	57.5	51.4	77.0

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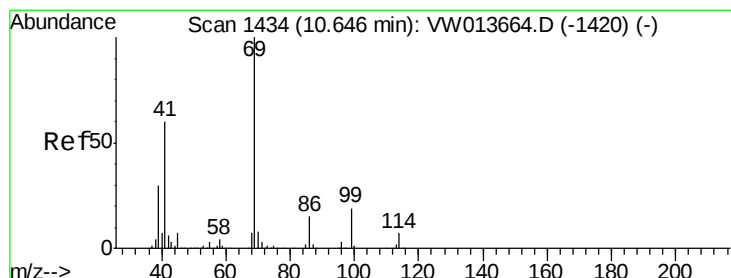
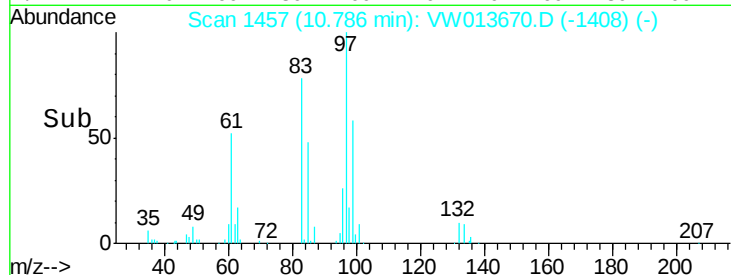
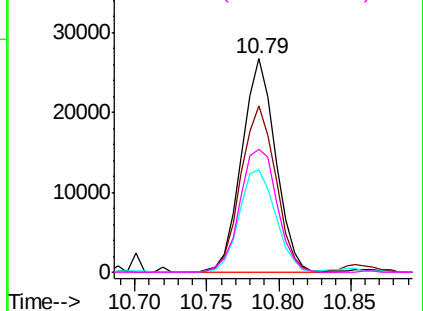
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.170 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

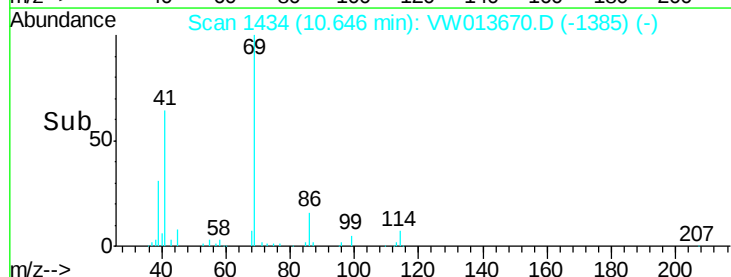
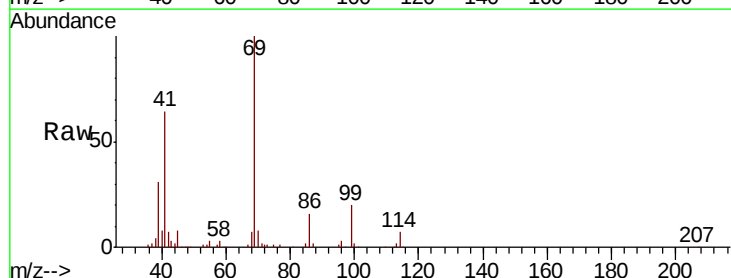
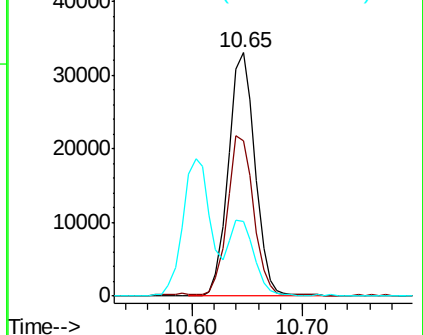
Tgt Ion:	69	Resp:	54878
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.6	77.4
39	28.7	22.4	33.6

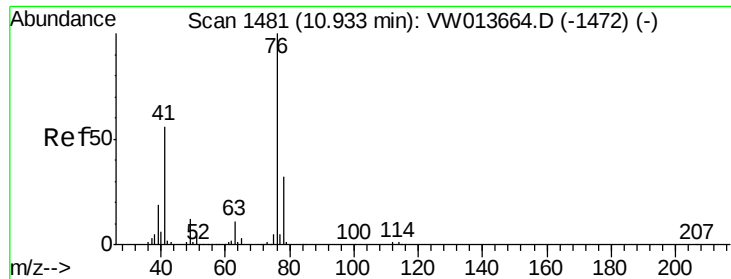
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





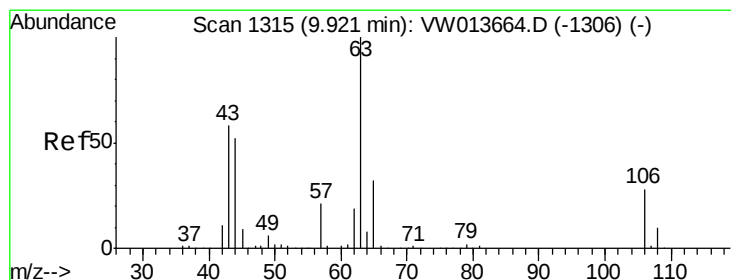
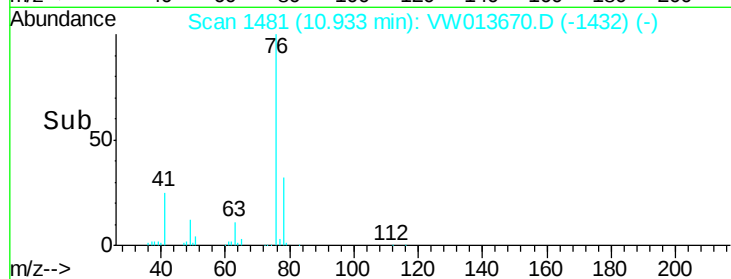
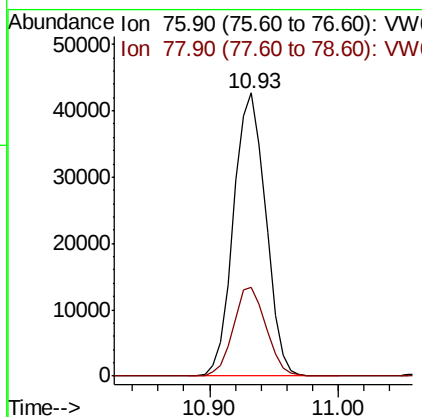
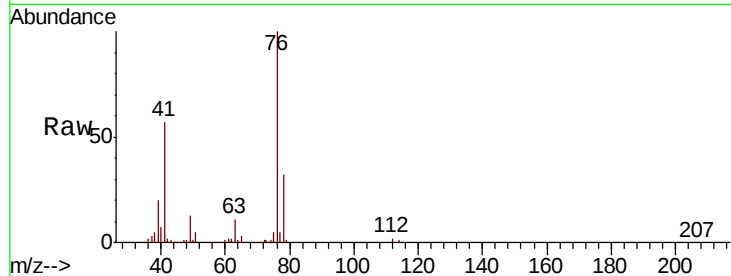
#57
 1,3-Dichloropropane
 Concen: 20.861 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

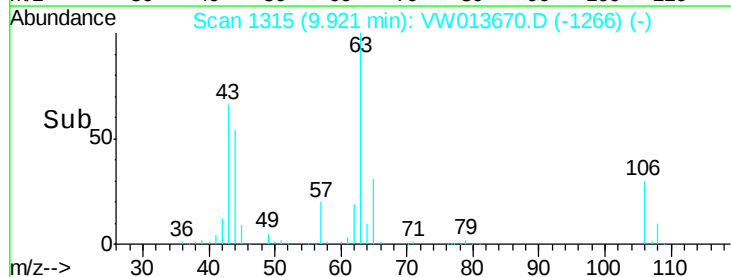
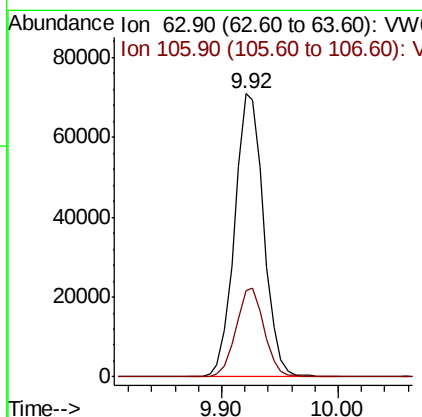
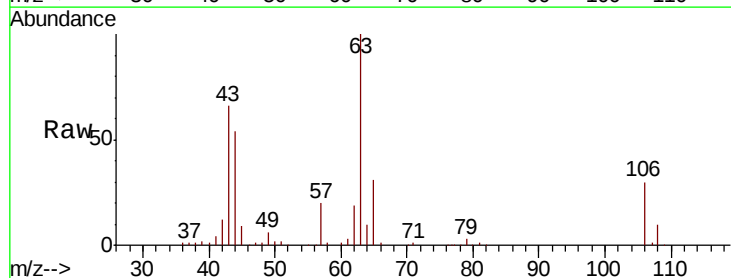
Manual Integrations
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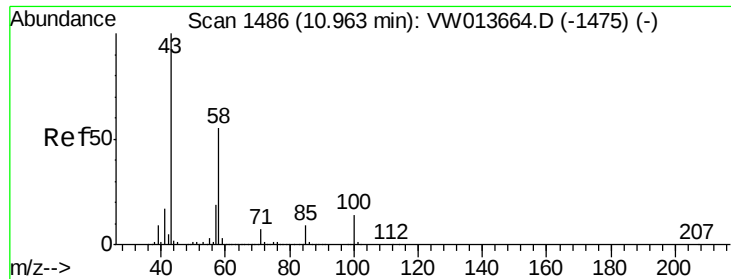
MMDadoda
 10/24/2019 1:27:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.017 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	23.8	35.8





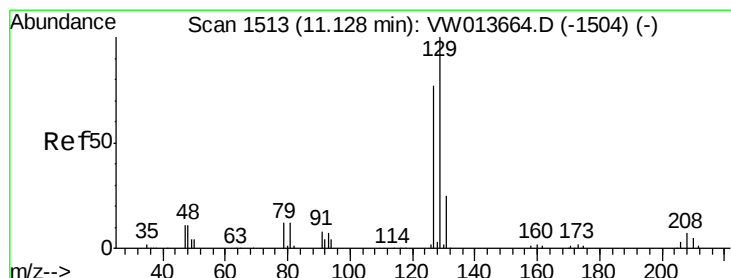
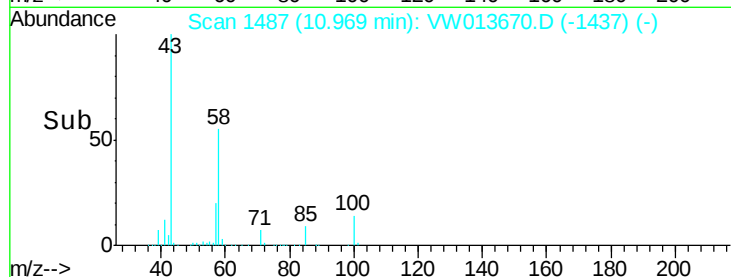
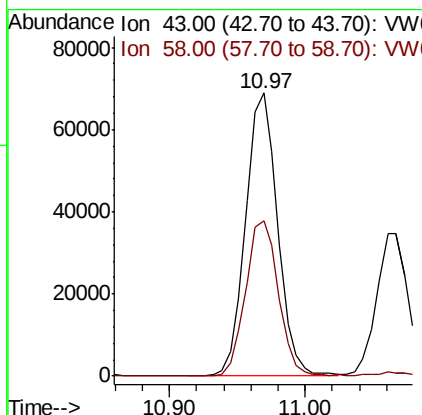
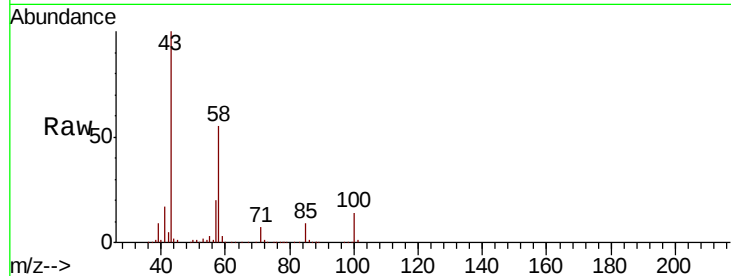
#59
2-Hexanone
Concen: 107.327 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	27.9	83.7

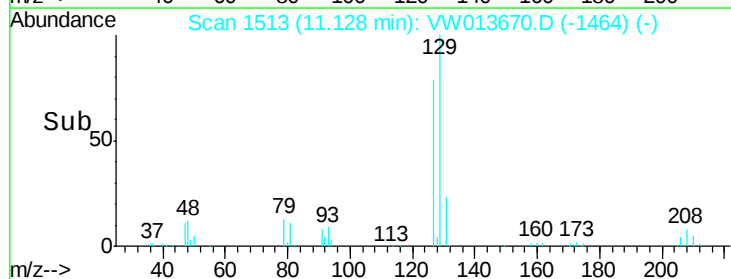
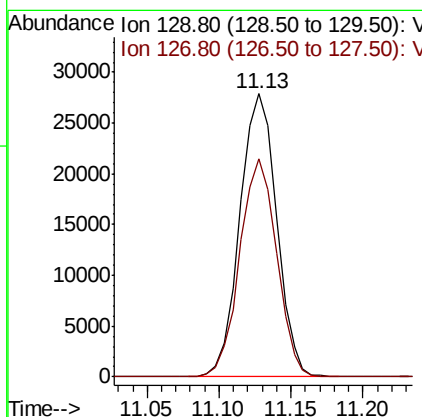
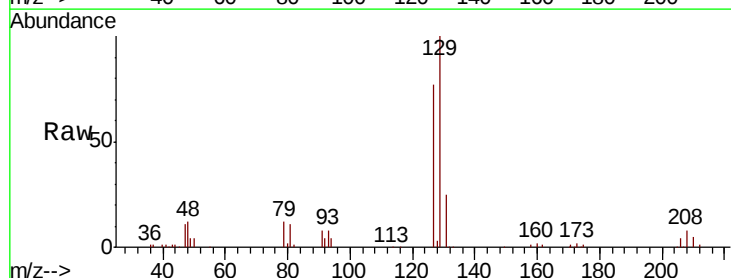
Manual Integrations
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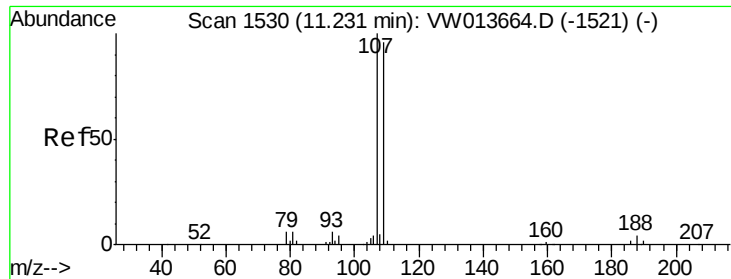
MMDadoda
10/24/2019 1:27:12 PM



#60
Dibromochloromethane
Concen: 20.081 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.9	116.7





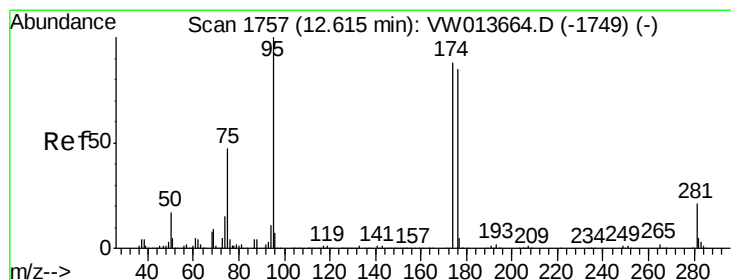
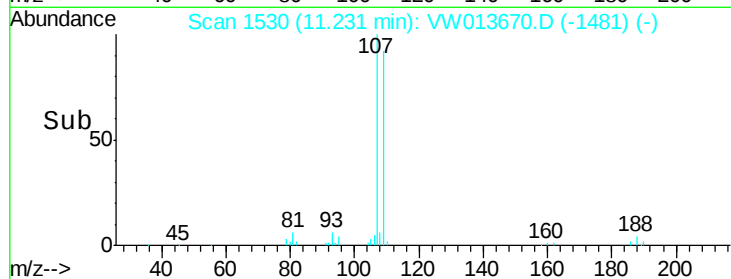
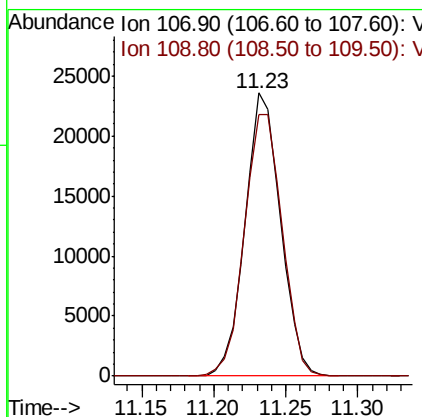
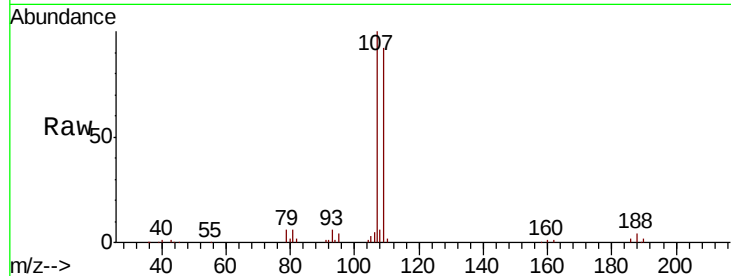
#61
 1,2-Dibromoethane
 Concen: 20.474 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.5	75.7	113.5

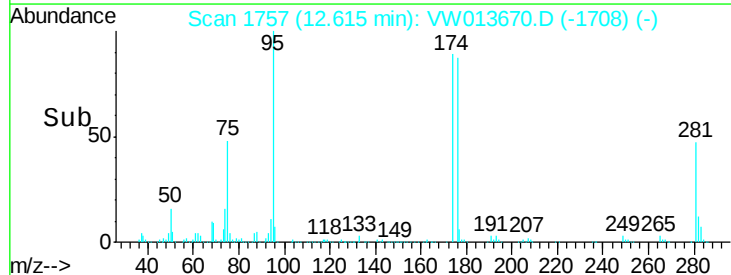
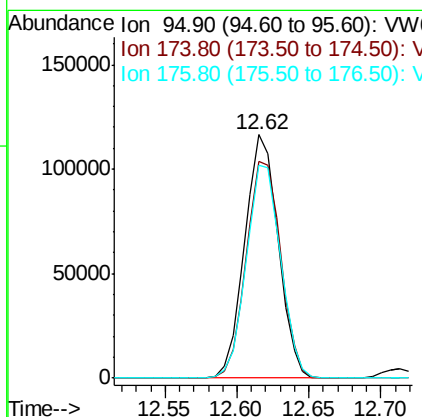
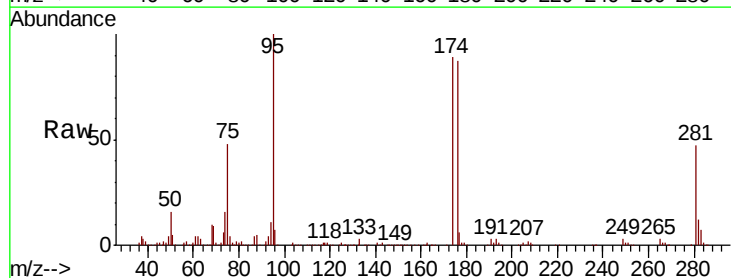
Manual Integrations
 APPROVED

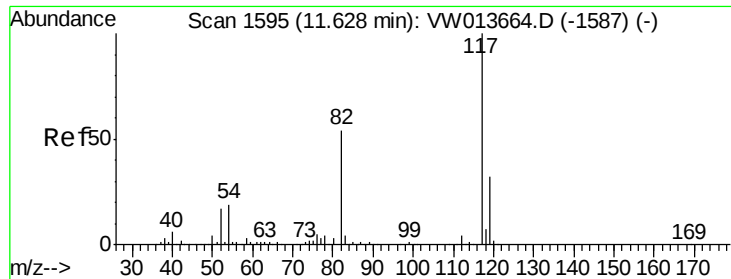
MMDadoda
 10/24/2019 1:27:12 PM



#62
 4-Bromofluorobenzene
 Concen: 53.740 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	183.6
176	89.4	0.0	178.0





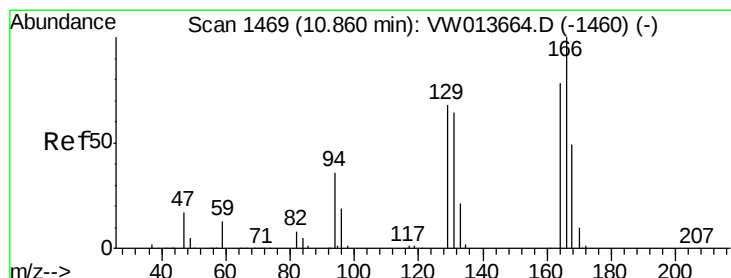
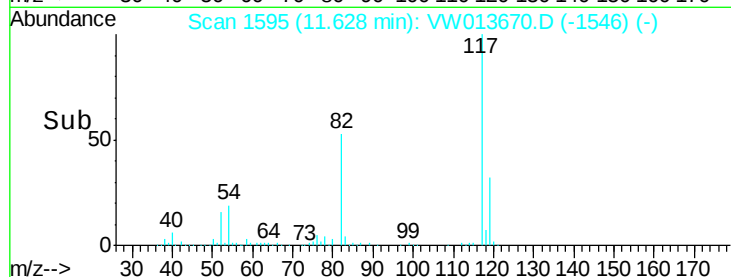
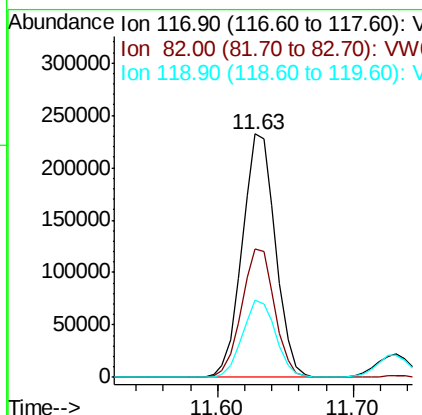
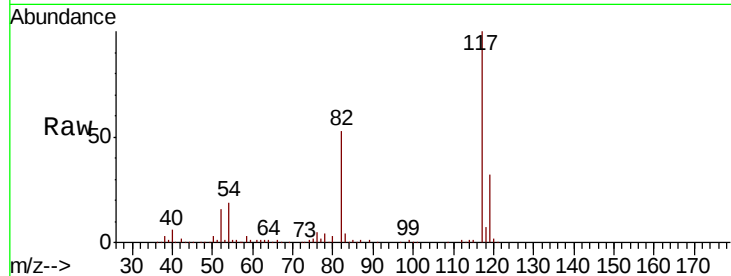
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.6	65.4
119	31.6	25.4	38.2

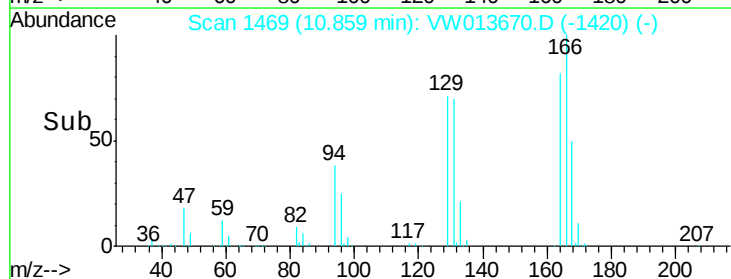
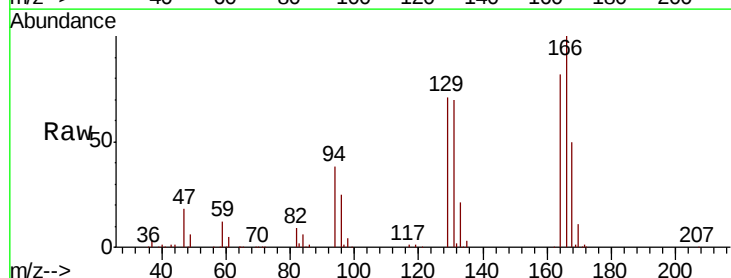
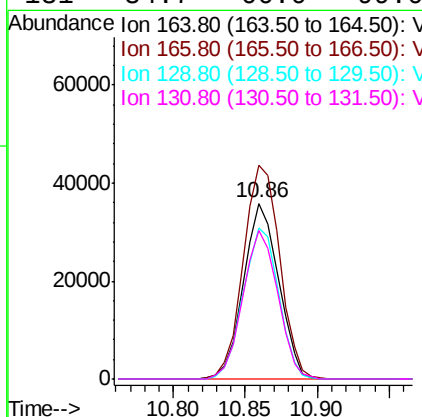
Manual Integrations
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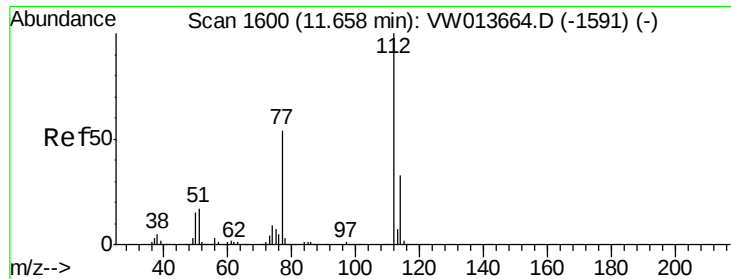
MMDadoda
10/24/2019 1:27:12 PM



#64
Tetrachloroethene
Concen: 20.015 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.4	103.2	154.8
129	85.7	70.6	105.8
131	84.7	66.0	99.0





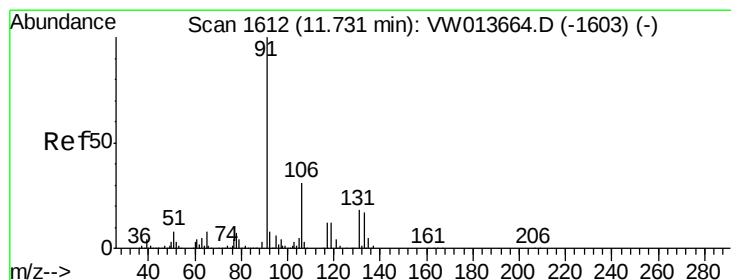
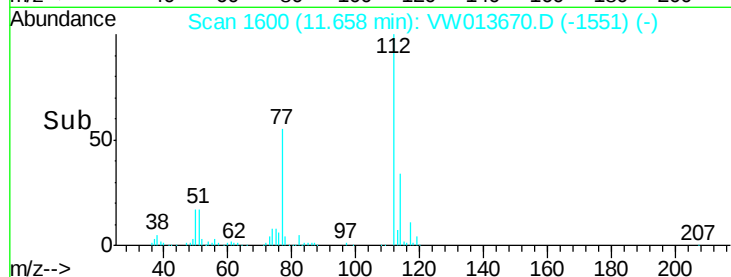
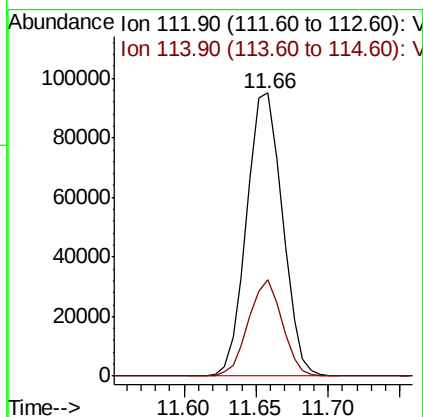
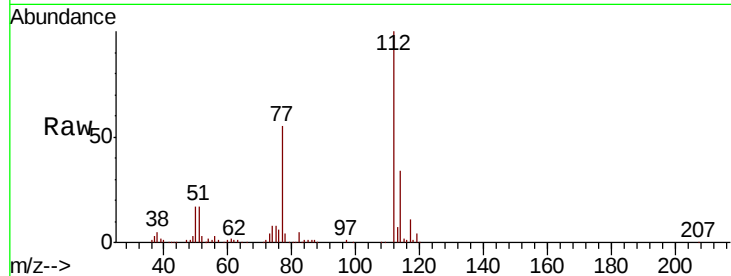
#65
Chlorobenzene
Concen: 20.153 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	26.2	39.4

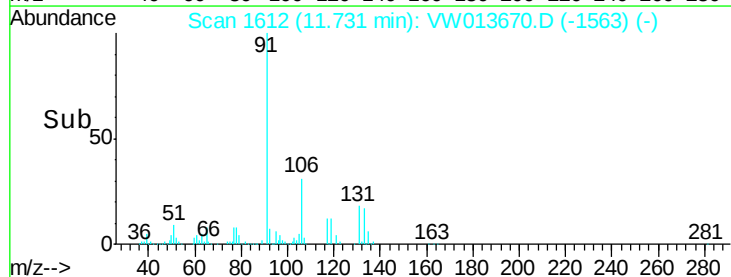
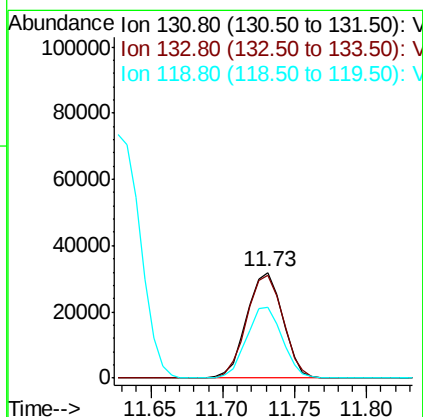
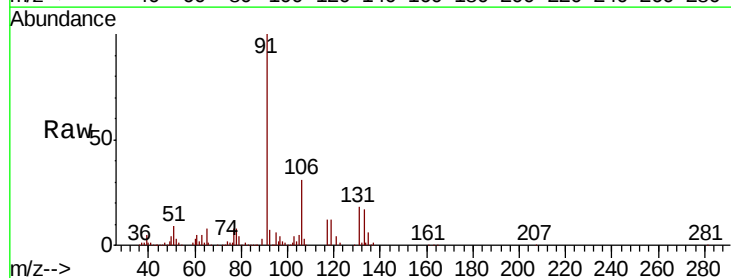
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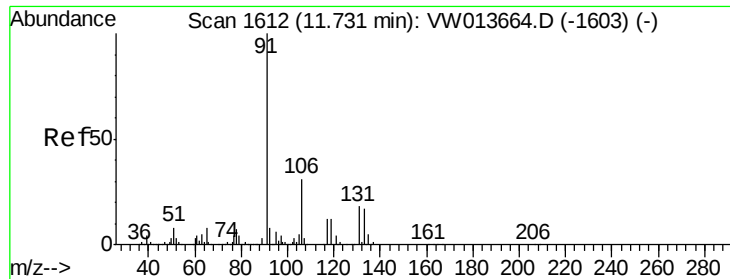
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.549 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	47.4	142.3
119	66.6	33.1	99.2





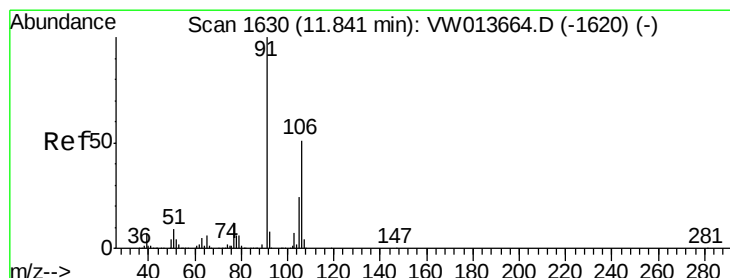
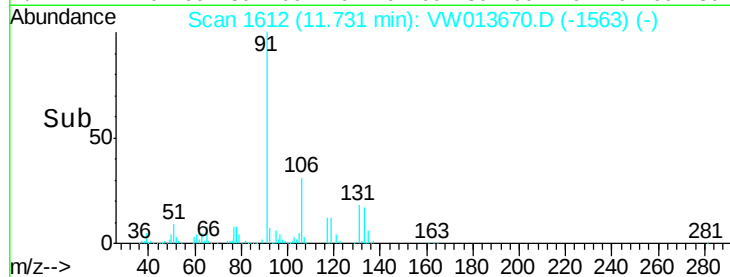
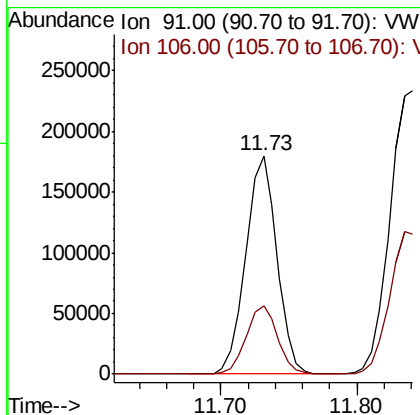
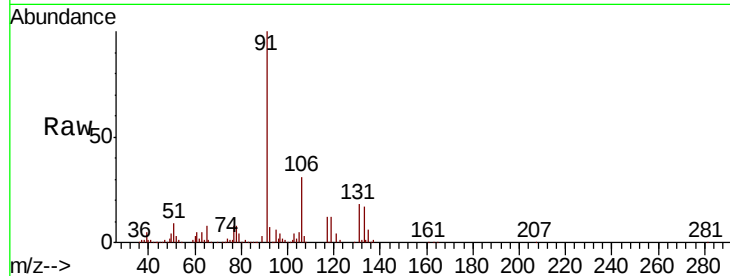
#67
Ethyl Benzene
Concen: 19.699 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion: 91 Resp: 288651
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

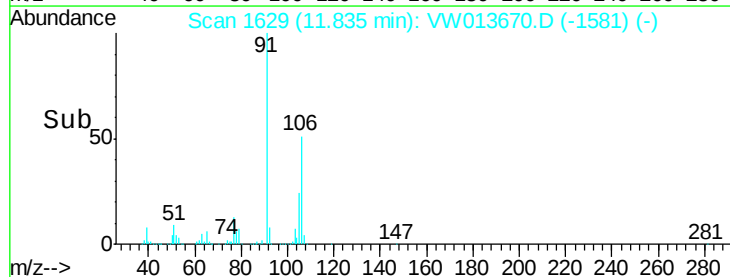
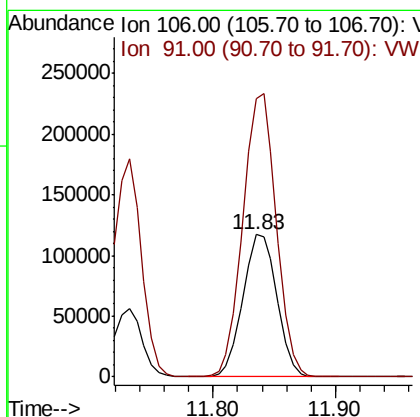
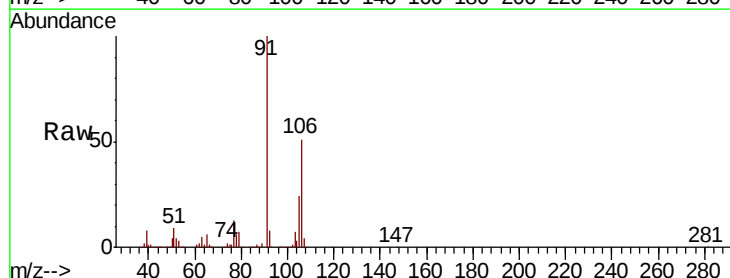
Manual Integrations
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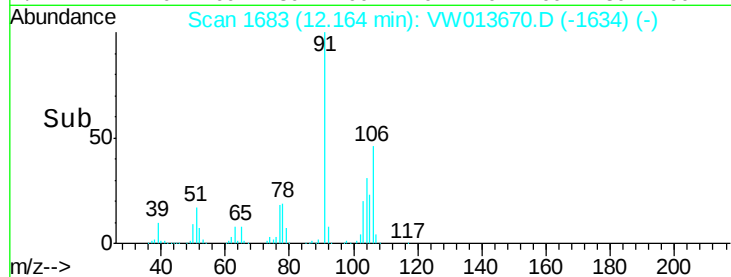
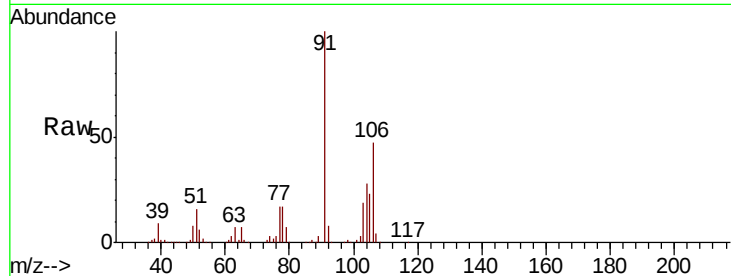
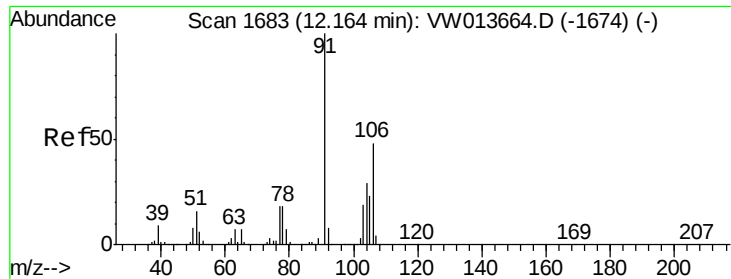
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#68
m/p-Xylenes
Concen: 40.027 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion: 106 Resp: 226599
Ion Ratio Lower Upper
106 100
91 194.7 159.2 238.8





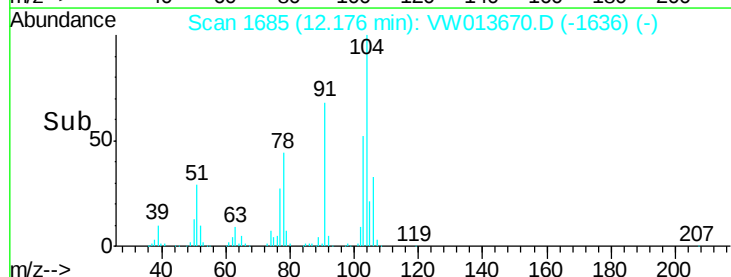
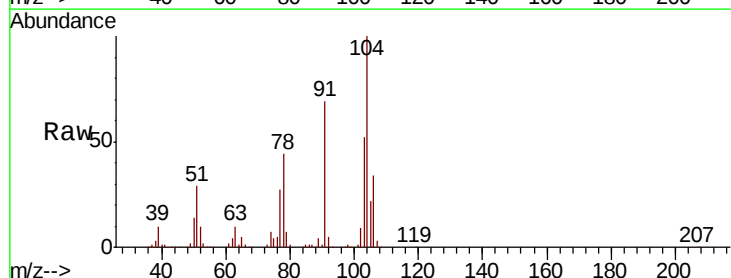
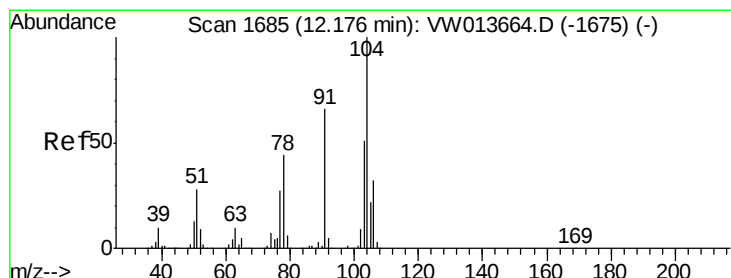
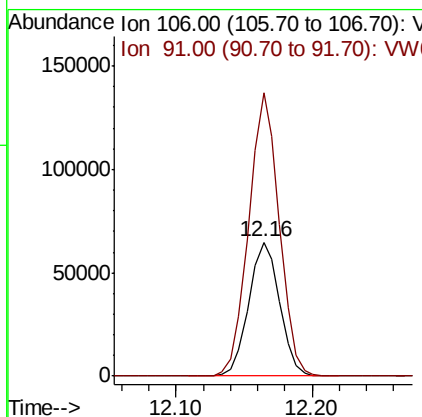
#69
o-Xylene
Concen: 19.829 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tot Ion	Ratio	Resp	Lower	Upper
106	100	103180		
91	208.6		104.9	314.7

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

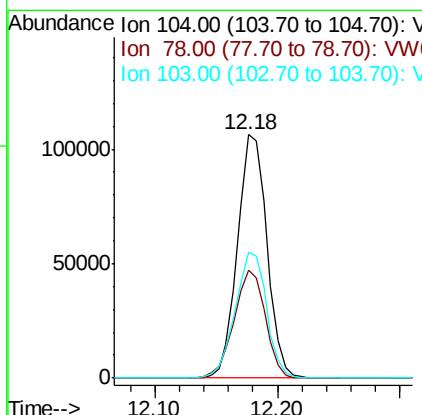
Manual Integrations
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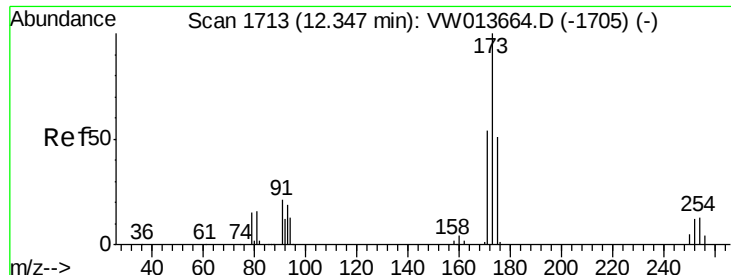
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#70
Styrene
Concen: 19.854 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	177506		
78	46.9		37.1	55.7
103	54.8		43.6	65.4





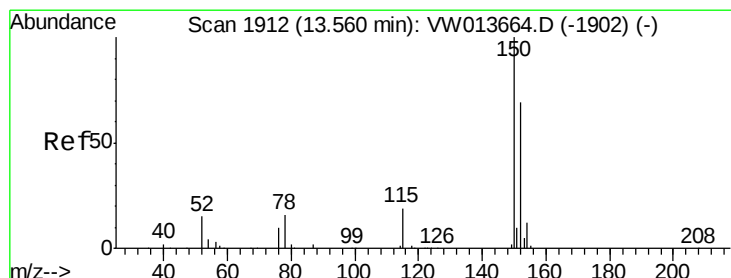
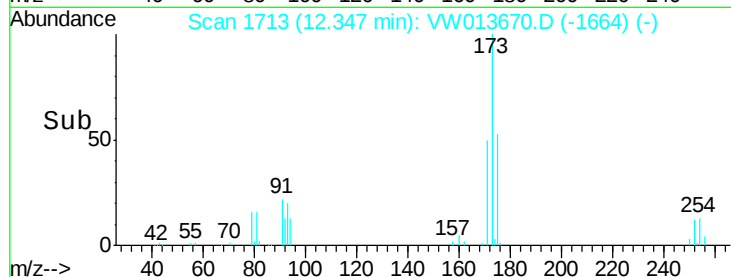
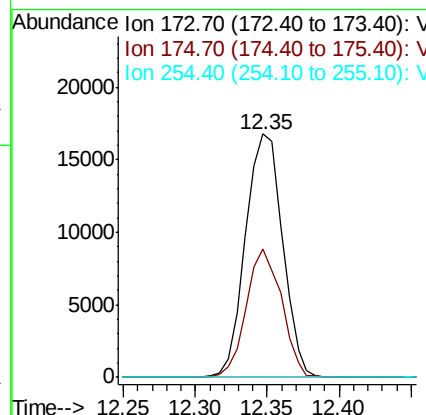
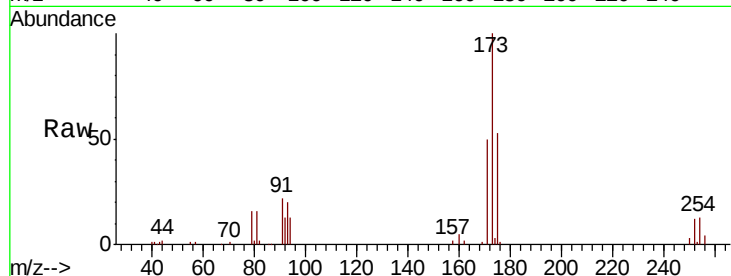
#71
Bromoform
Concen: 20.097 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	25.2	75.6
254	0.0	0.1	0.1#

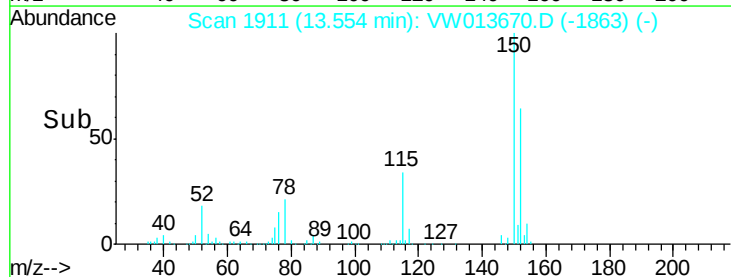
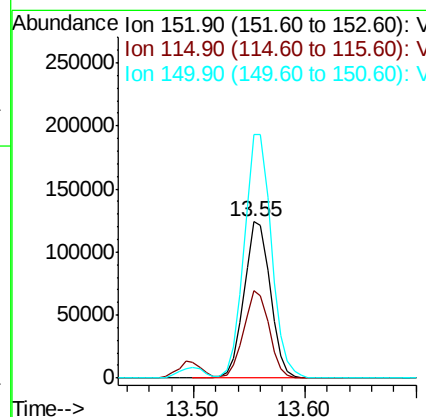
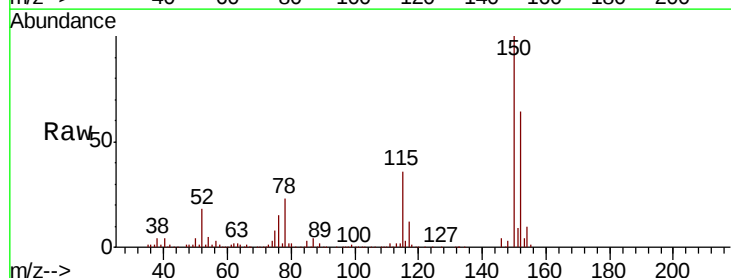
Manual Integrations
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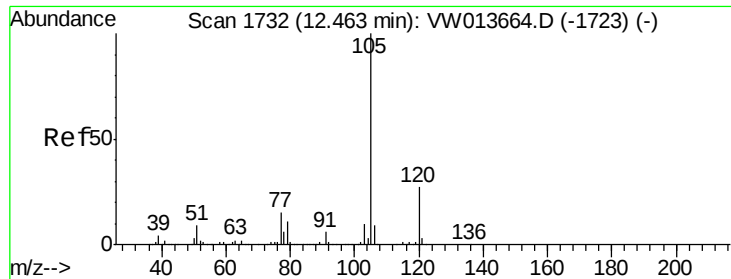
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.4	82.2
150	162.2	0.0	345.4





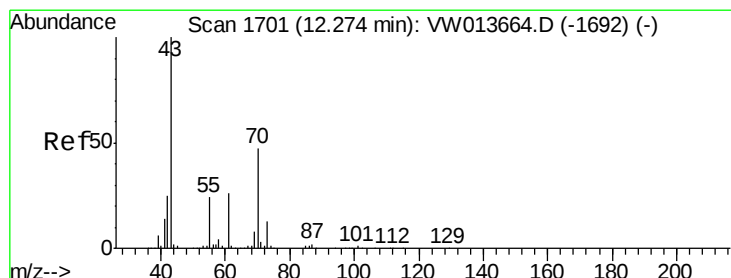
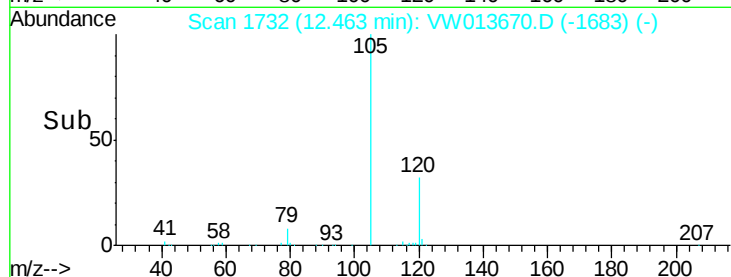
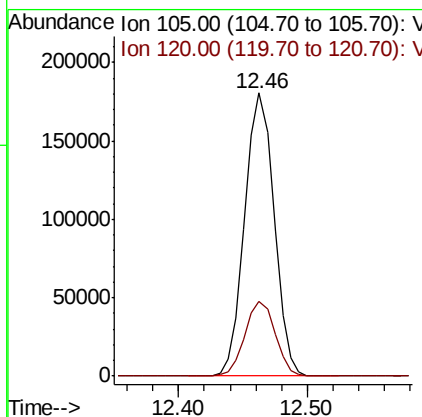
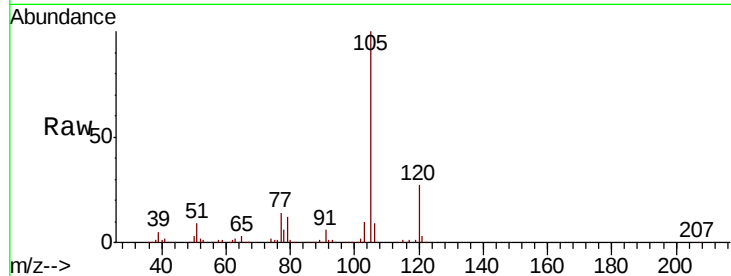
#73
Isopropylbenzene
Concen: 19.716 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

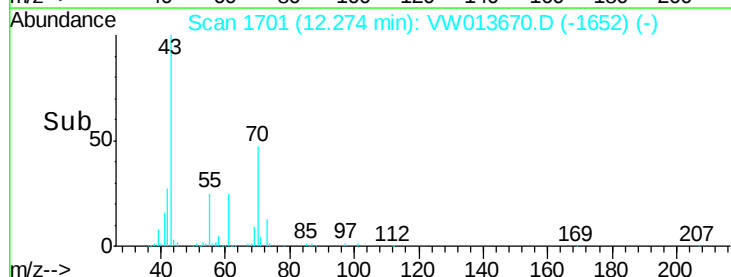
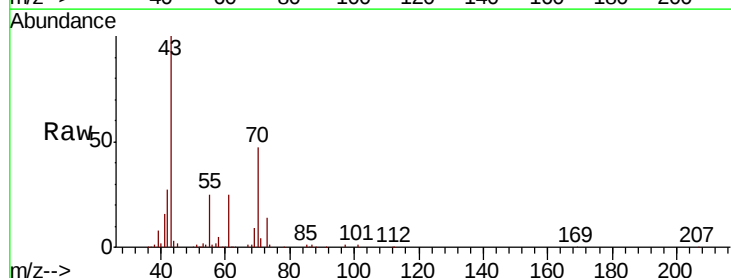
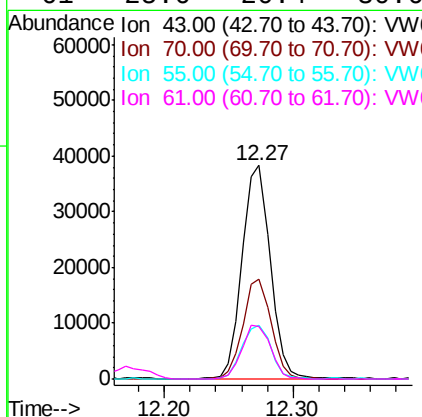
Manual Integrations
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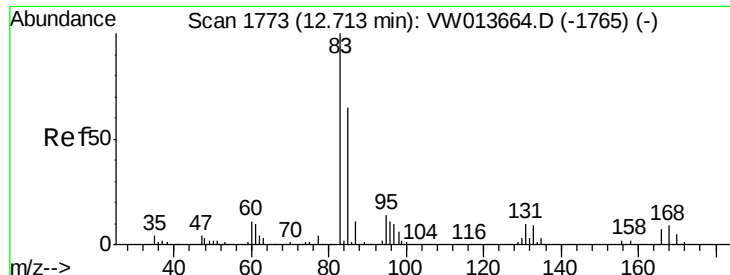
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#74
N-ethyl acetate
Concen: 20.806 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.7	36.6	55.0
55	25.9	20.3	30.5
61	25.6	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.931 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

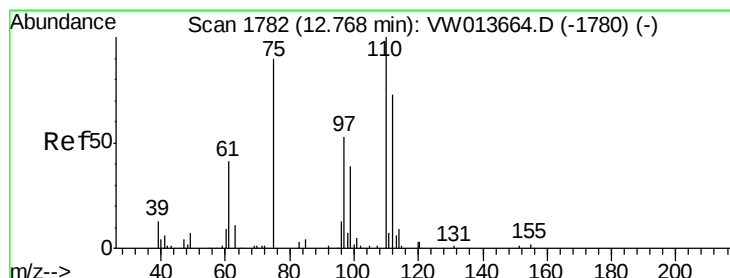
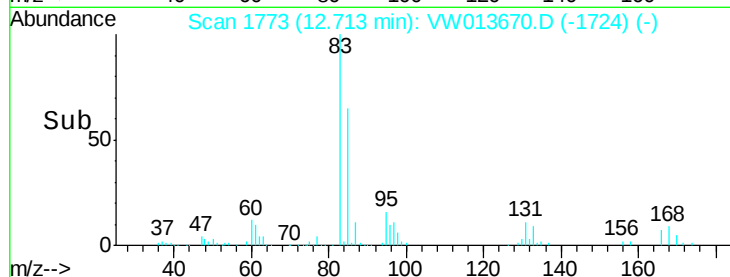
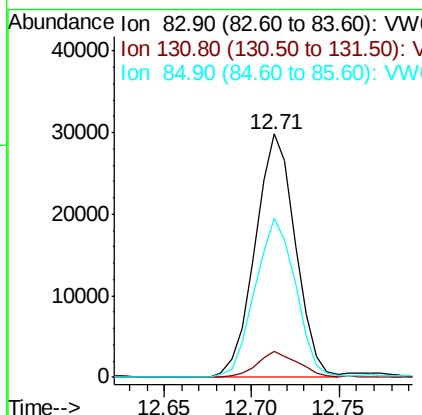
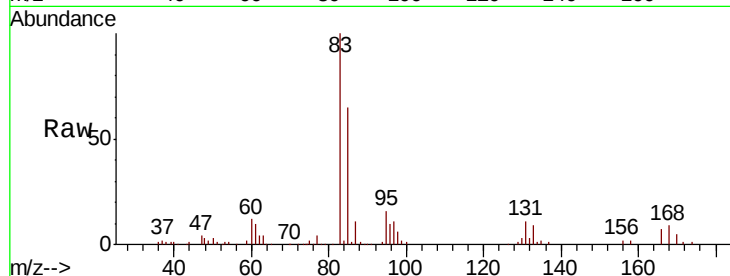
ClientSampleId :

VW1023SBS01

Tot Ion:	83	Resp:	47870
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.7	17.1
85	65.7	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.446 ug/l m

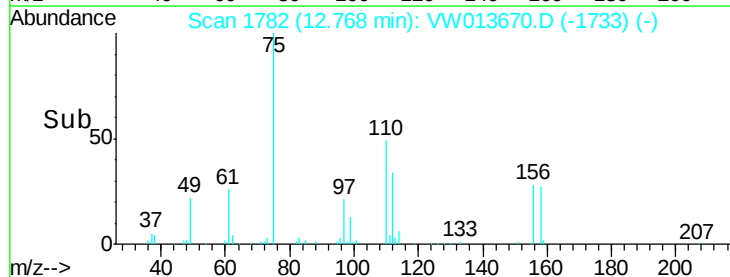
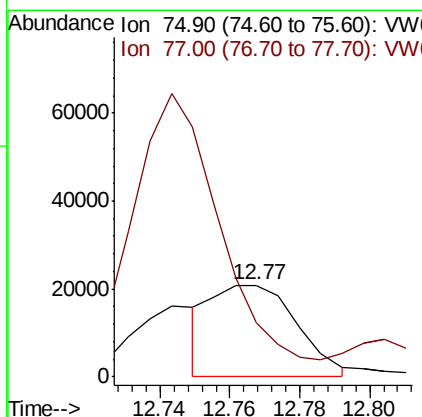
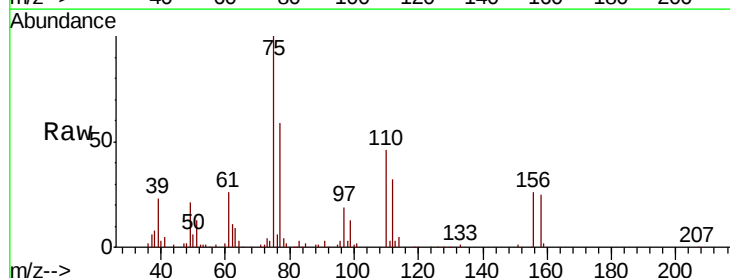
RT: 12.77 min Scan# 1782

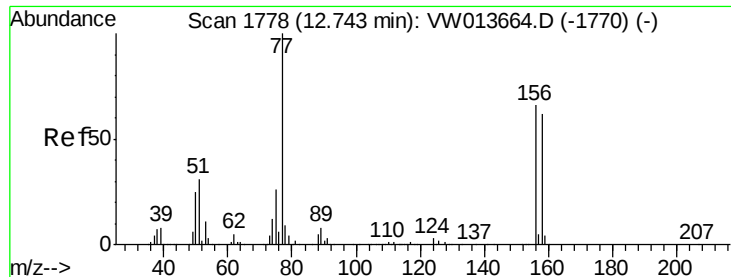
Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion:	75	Resp:	35431
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.995 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

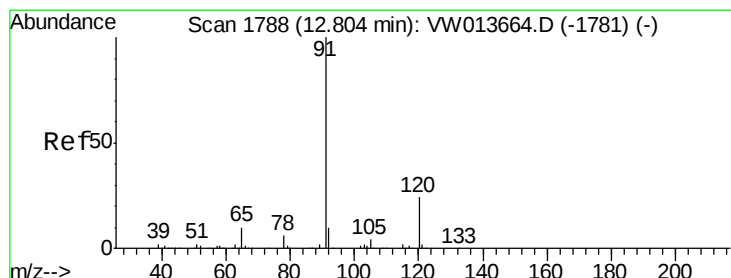
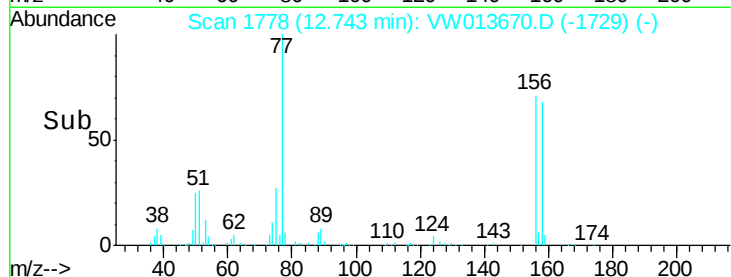
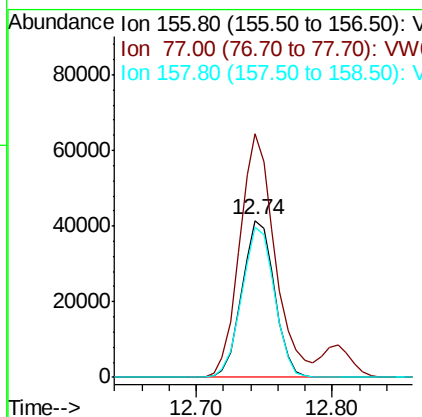
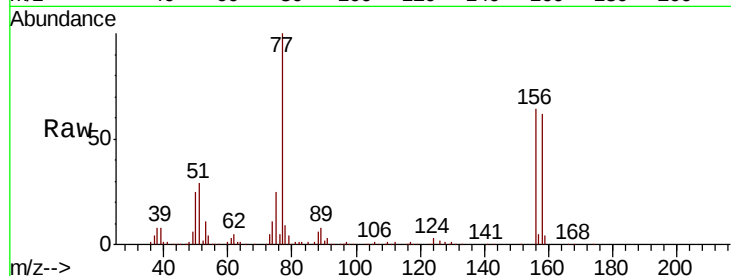
ClientSampleId :

VW1023SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	168.6	82.9	248.7	
158	96.4	48.4	145.2	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.748 ug/l

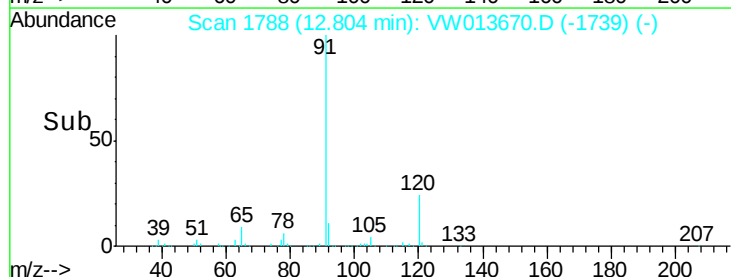
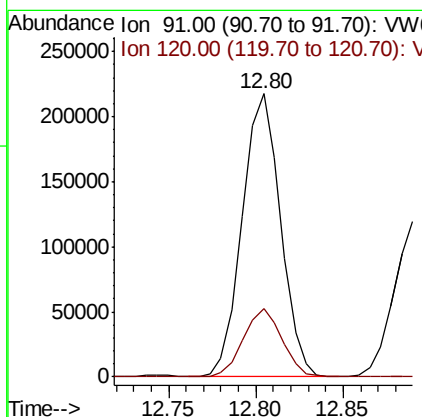
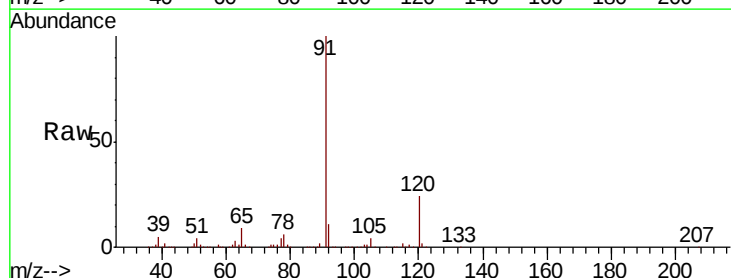
RT: 12.80 min Scan# 1788

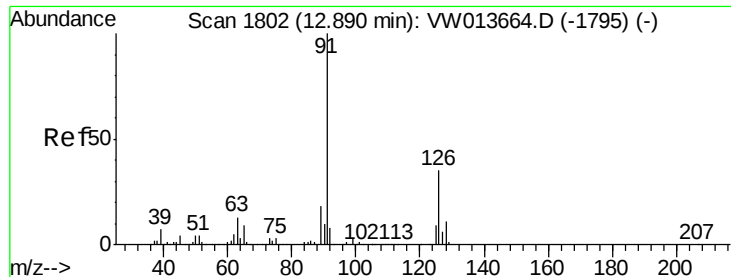
Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.2	12.0	36.0	





#79

2-Chlorotoluene

Concen: 20.055 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 91 Resp: 189059

Ion Ratio Lower Upper

91 100

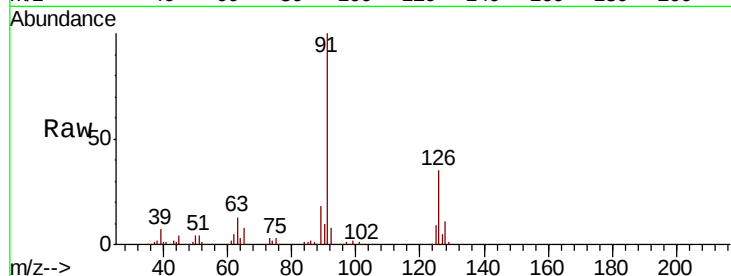
126 34.6 17.4 52.2

Manual Integrations

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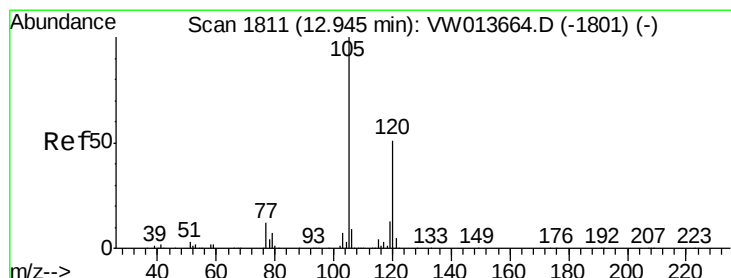
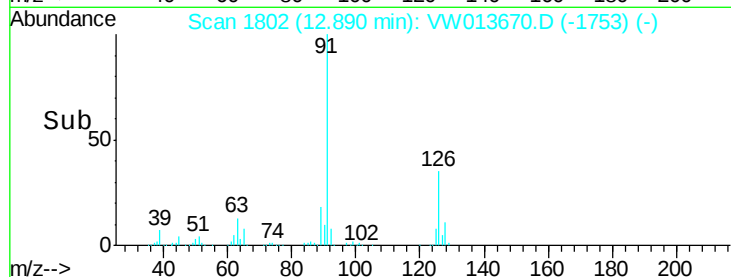
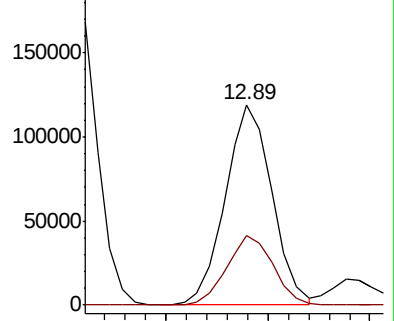
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.692 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013670.D

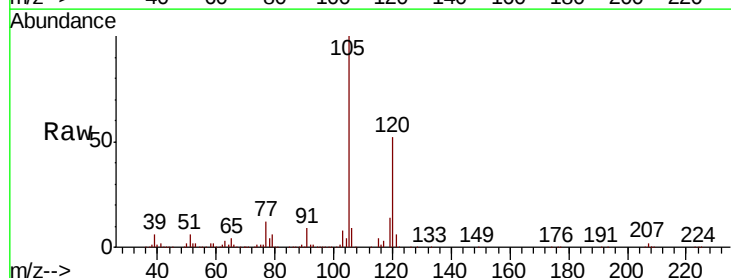
Acq: 23 Oct 2019 16:39

Tgt Ion:105 Resp: 240919

Ion Ratio Lower Upper

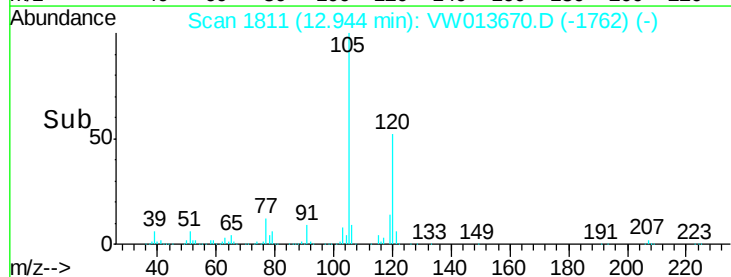
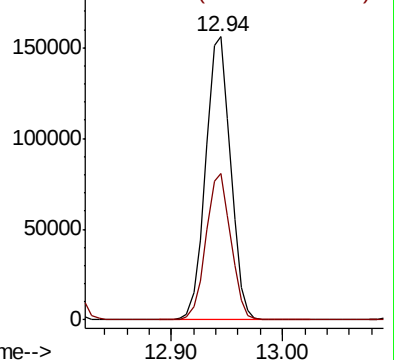
105 100

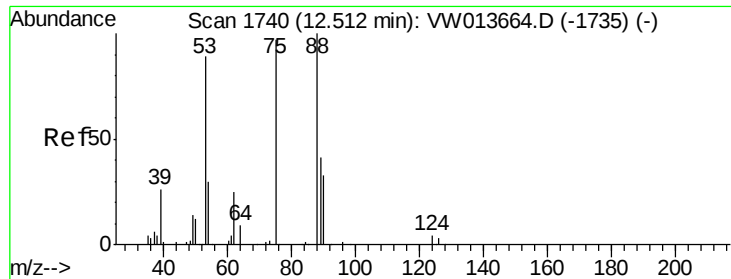
120 51.5 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





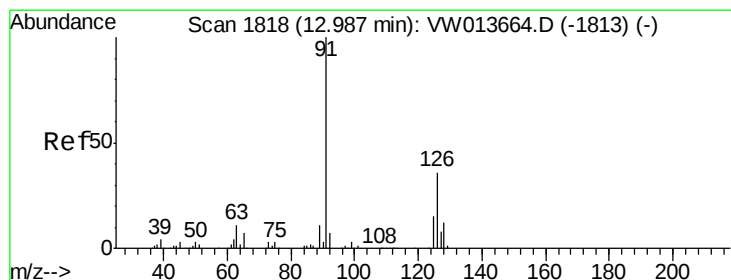
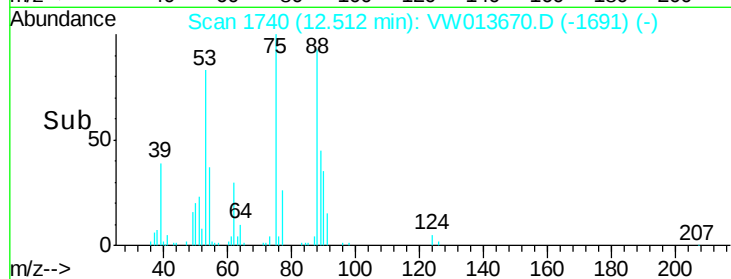
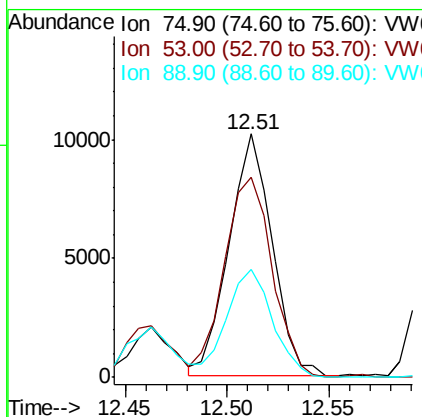
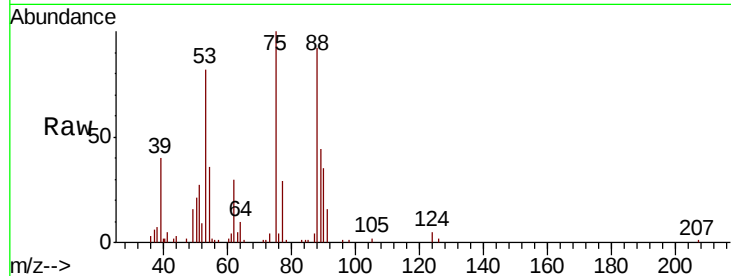
#81
trans-1,4-Dichloro-2-butene
Concen: 19.536 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	71.7	107.5
89	47.7	35.8	53.8

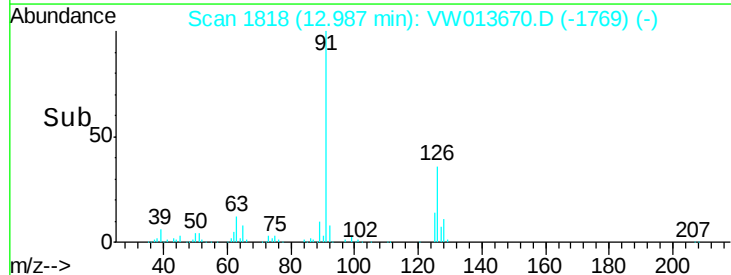
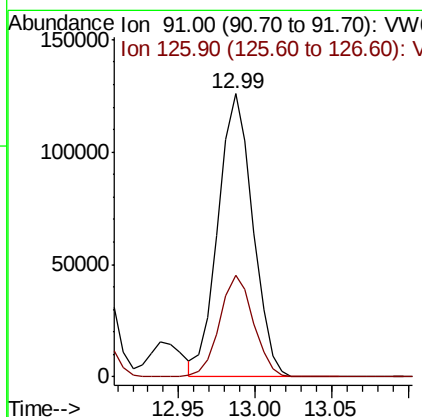
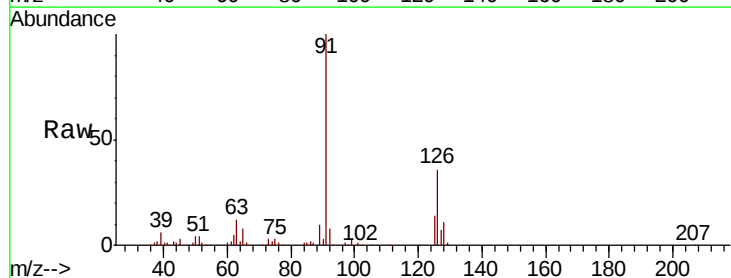
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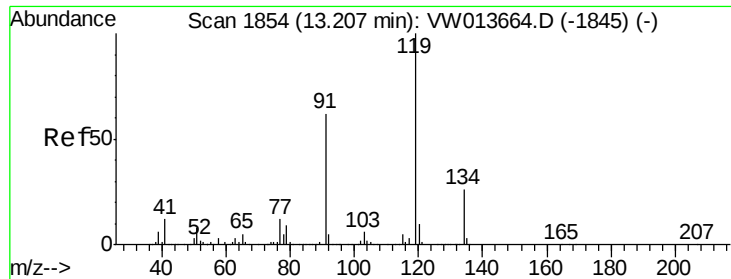
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#82
4-Chlorotoluene
Concen: 20.009 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.2	51.5





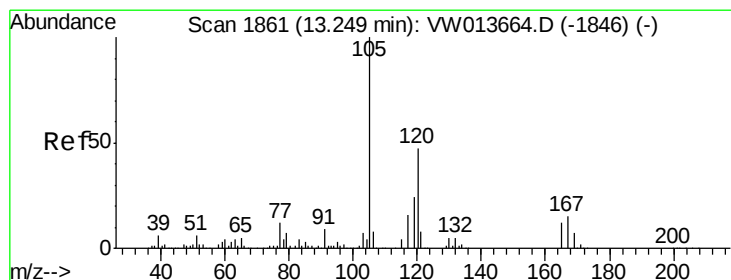
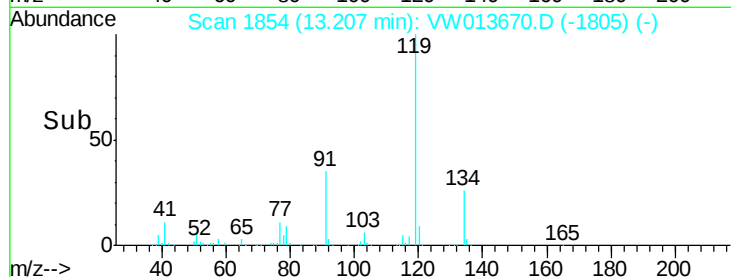
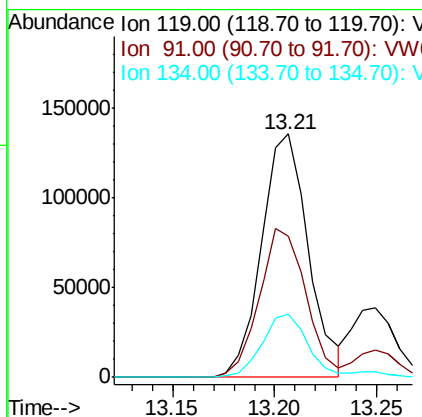
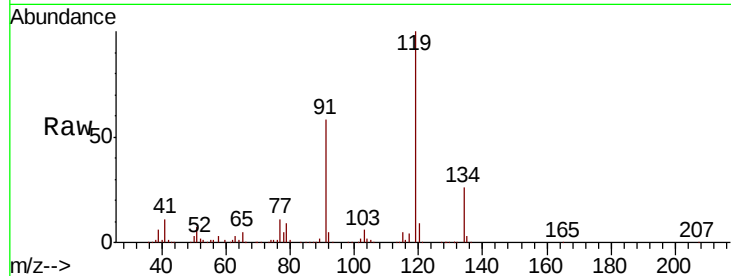
#83
tert-Butylbenzene
Concen: 20.002 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217220		
91	60.6		30.4	91.3
134	25.4		13.6	40.8

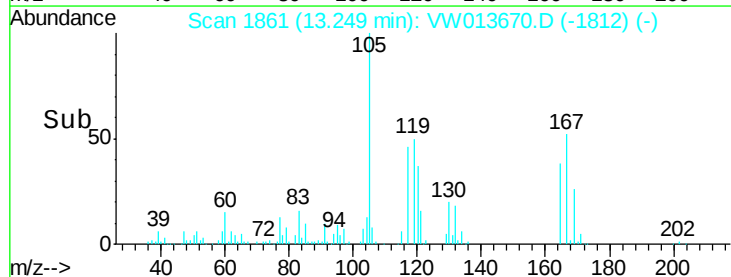
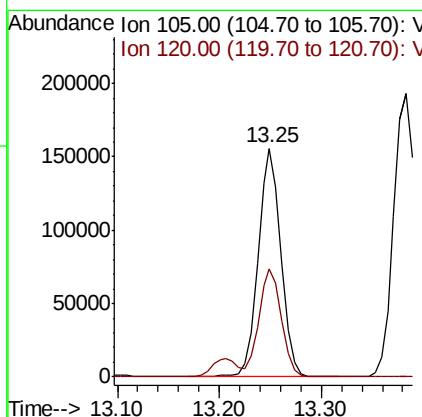
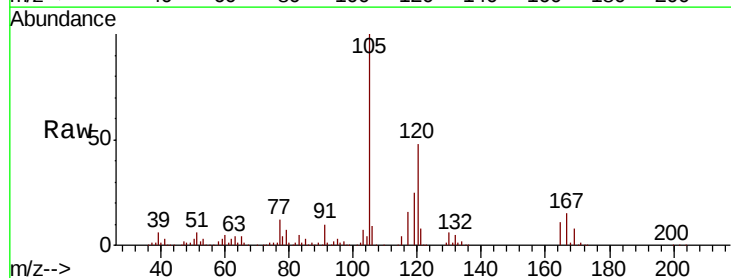
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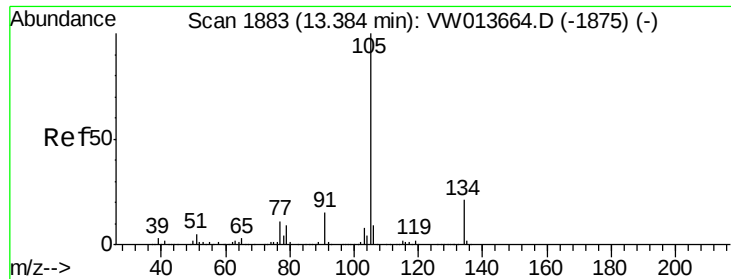
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#84
1,2,4-Trimethylbenzene
Concen: 20.064 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	242143		
120	46.7		23.5	70.5





#85

sec-Butylbenzene

Concen: 19.942 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion:105 Resp: 296150

Ion Ratio Lower Upper

105 100

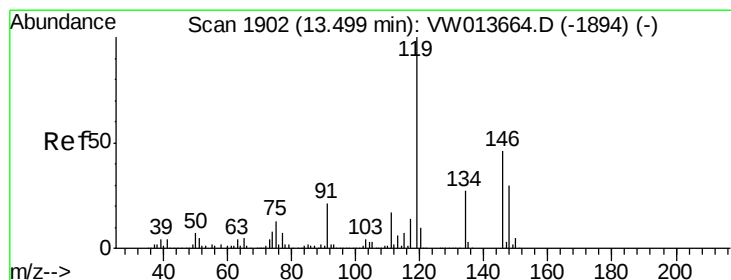
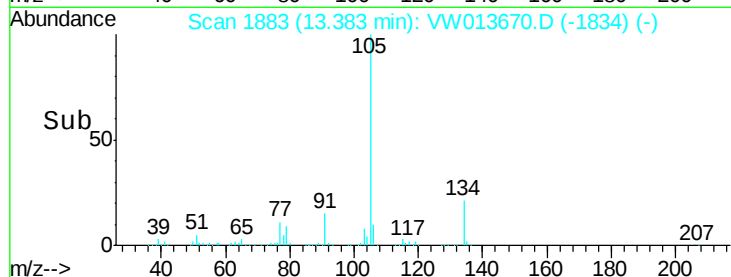
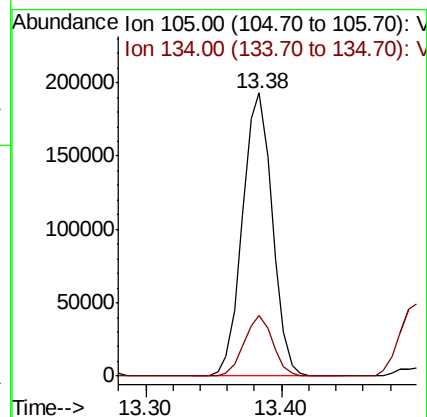
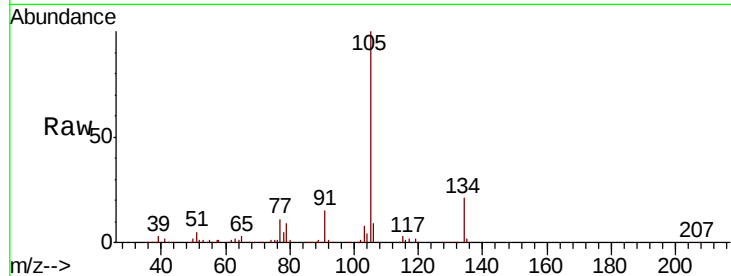
134 20.7 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.184 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

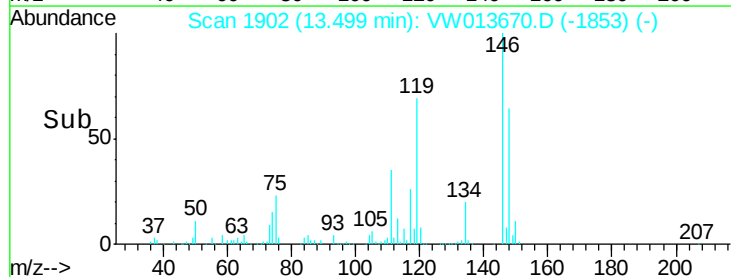
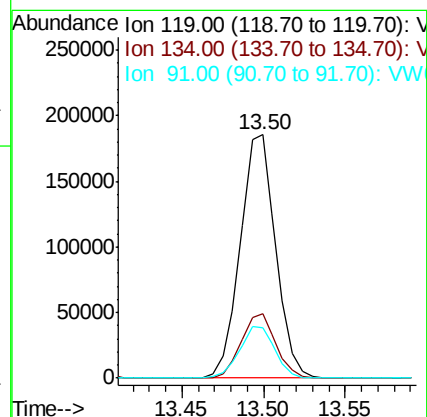
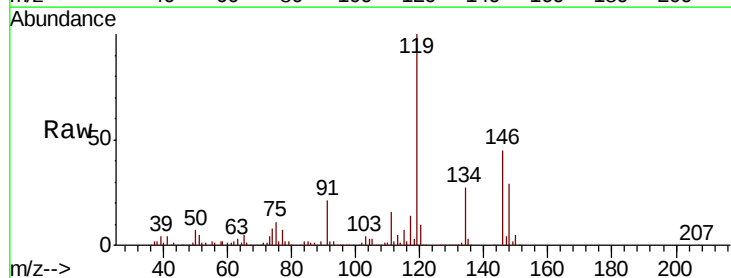
Tgt Ion:119 Resp: 279222

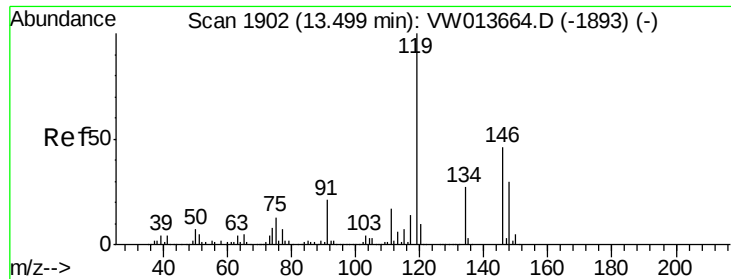
Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

91 21.1 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 19.881 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

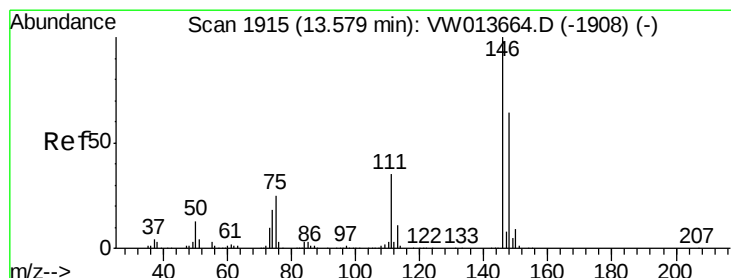
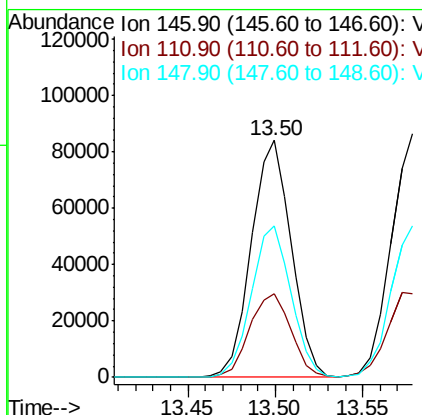
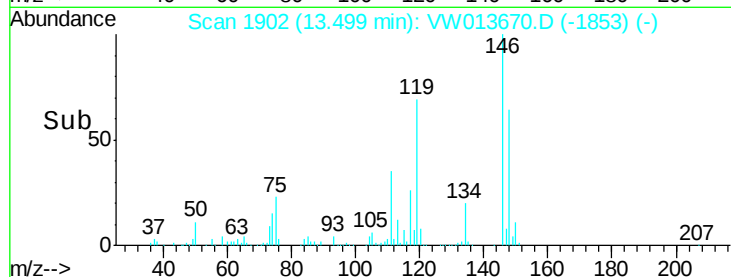
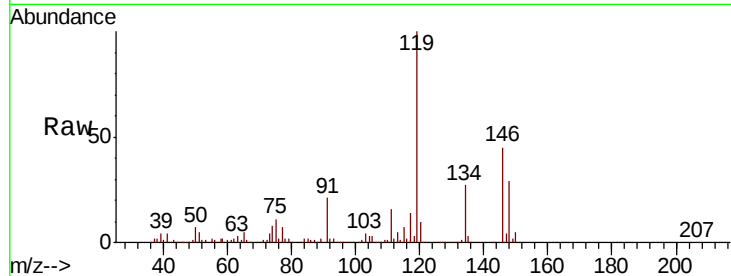
Instrument :
MSVOA_W

ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	56.0
148	63.7	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.054 ug/l

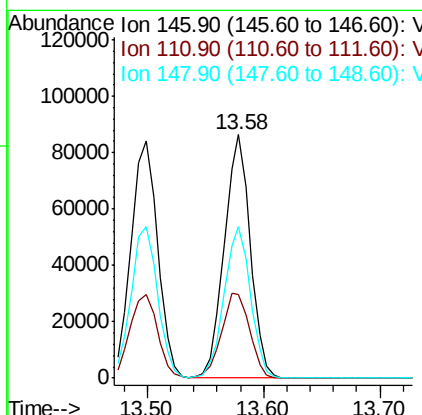
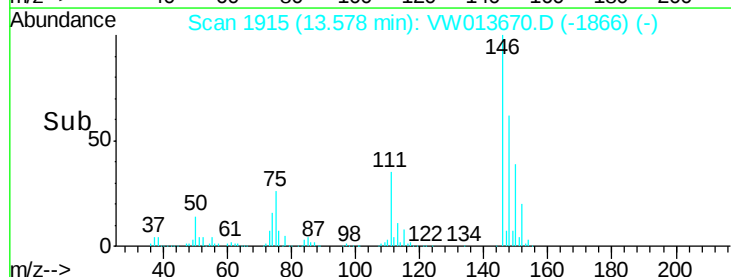
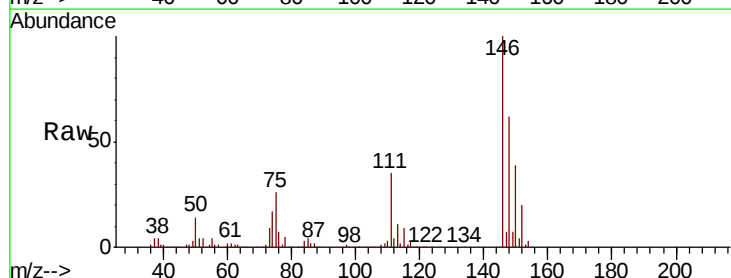
RT: 13.58 min Scan# 1915

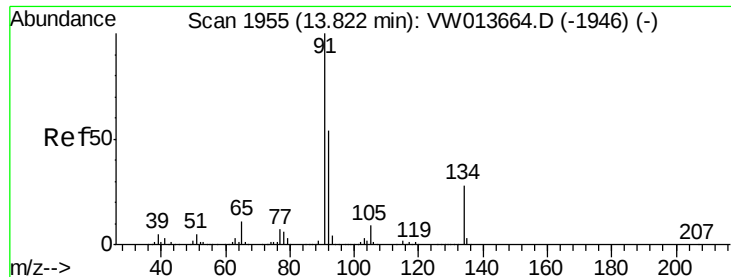
Delta R.T. -0.00 min

Lab File: VW013670.D

Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.3
148	63.1	32.0	96.2





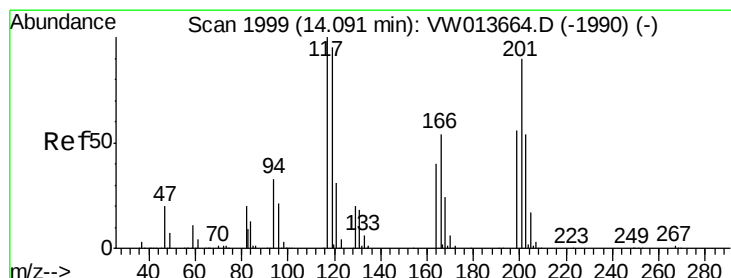
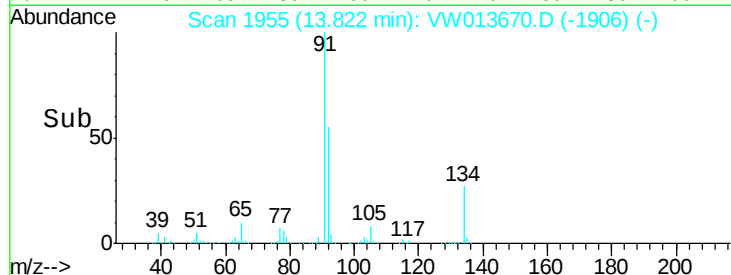
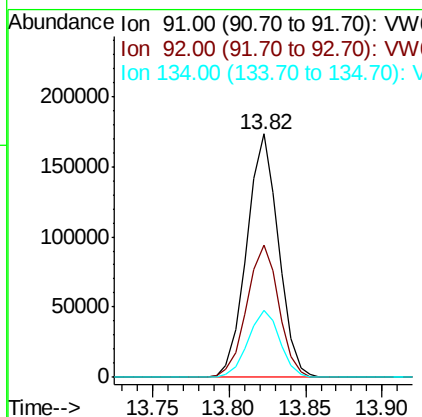
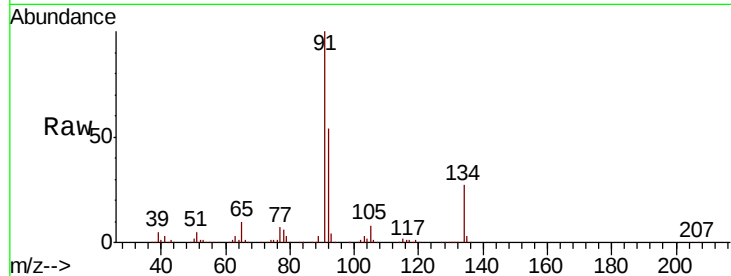
#89
n-Butylbenzene
Concen: 20.017 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.4
134	27.5	14.0	41.9

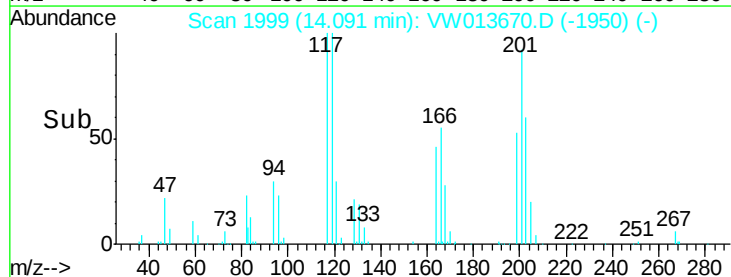
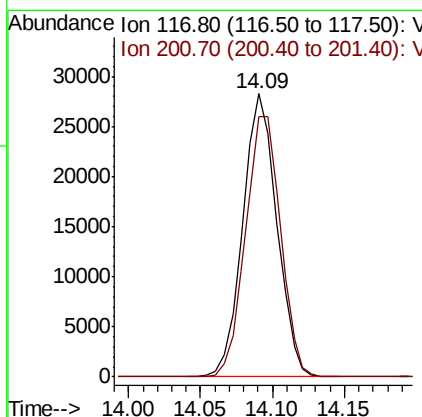
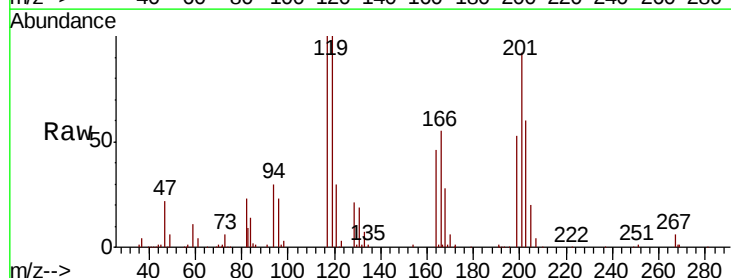
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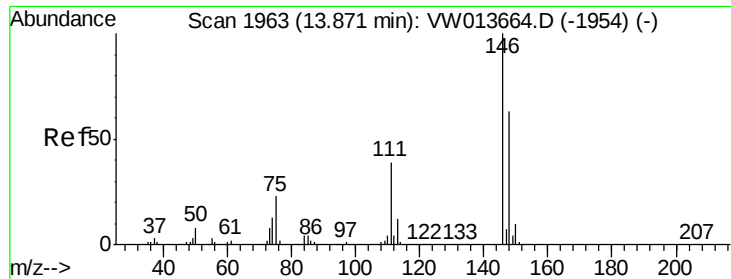
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#90
Hexachloroethane
Concen: 19.209 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.9	46.1	138.2





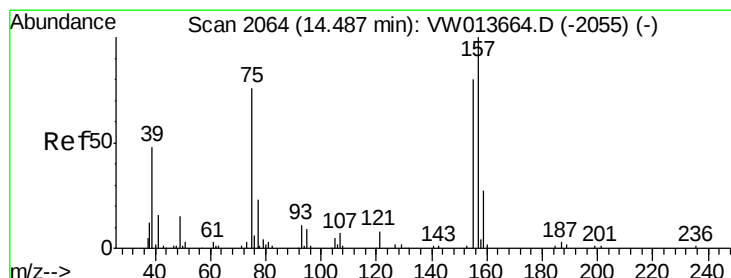
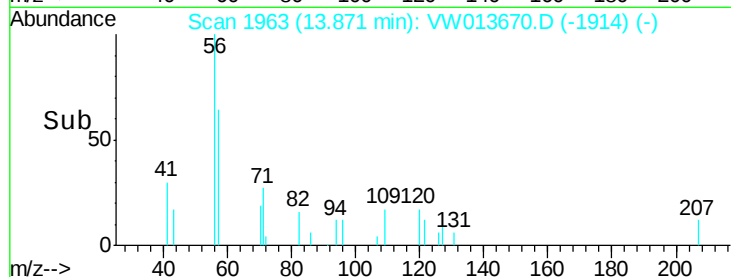
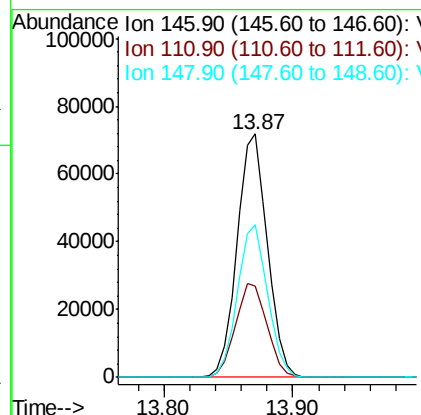
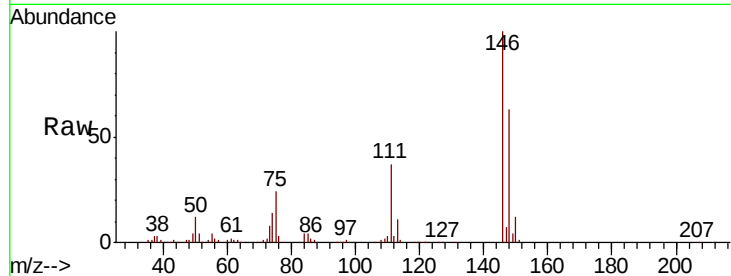
#91
 1,2-Dichlorobenzene
 Concen: 20.135 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion:	146	Resp:	117113
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.9	59.6
148	62.7	31.9	95.9

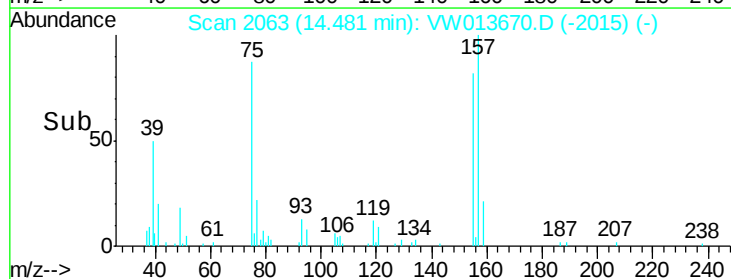
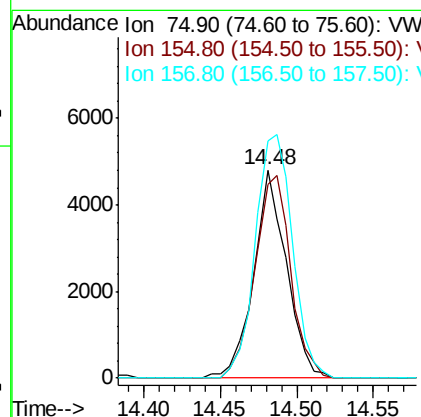
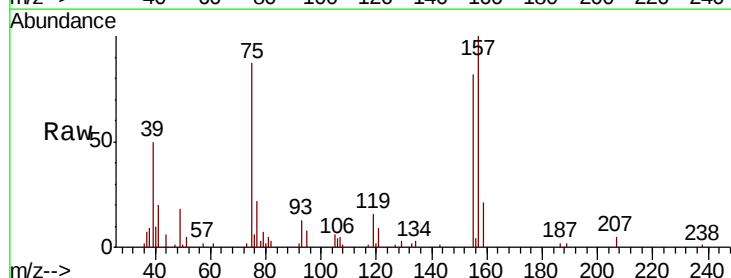
Manual Integrations
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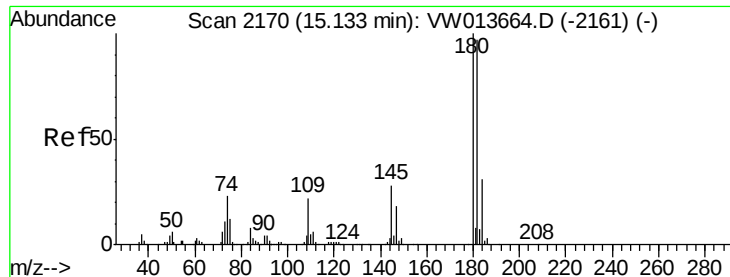
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.674 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion:	75	Resp:	7150
Ion Ratio	Lower	Upper	
75	100		
155	106.6	51.9	155.7
157	133.2	64.8	194.3





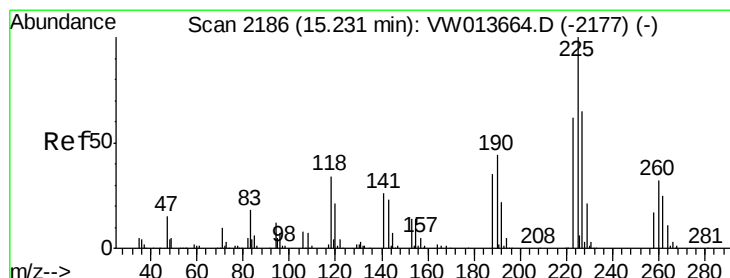
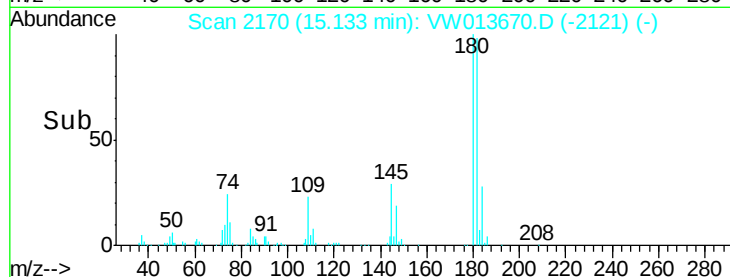
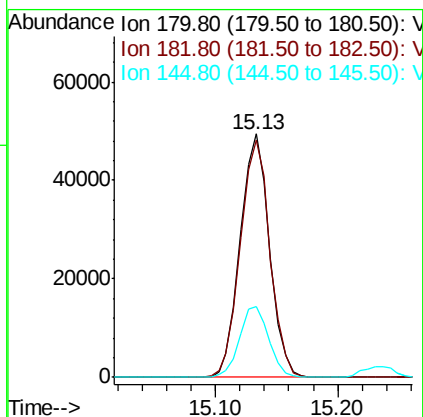
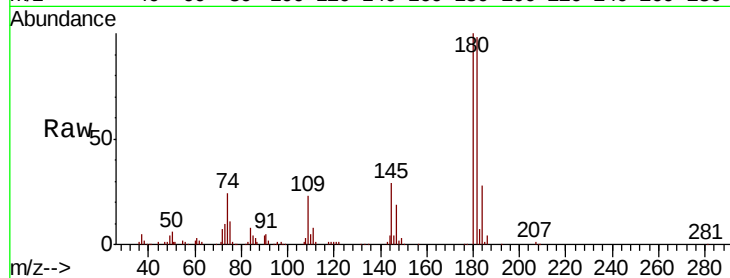
#93
 1,2,4-Trichlorobenzene
 Concen: 19.360 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	81951		
182	98.5	47.4	142.2	
145	29.0	14.1	42.3	

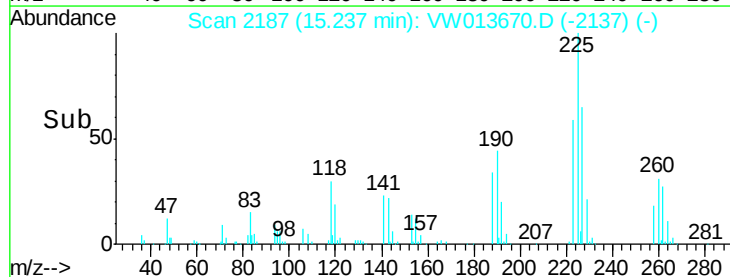
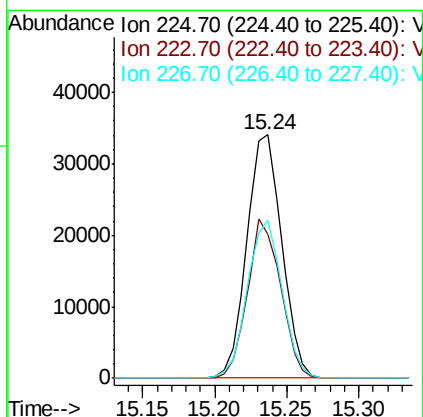
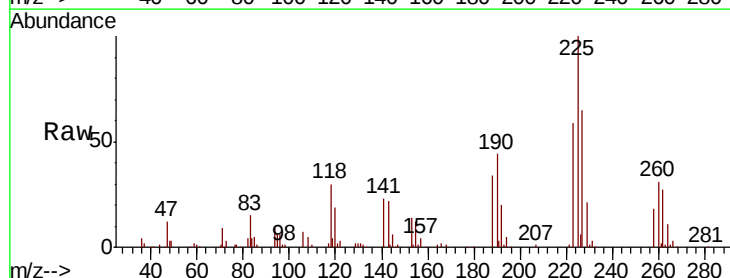
Manual Integrations
 APPROVED

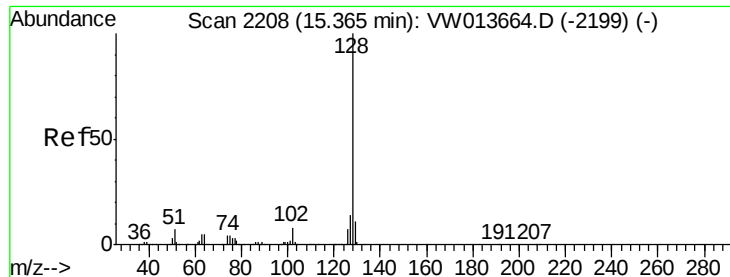
MMDadoda
 10/24/2019 1:27:12 PM



#94
 Hexachlorobutadiene
 Concen: 19.987 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013670.D
 Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57116		
223	61.6	31.9	95.9	
227	64.3	32.5	97.4	





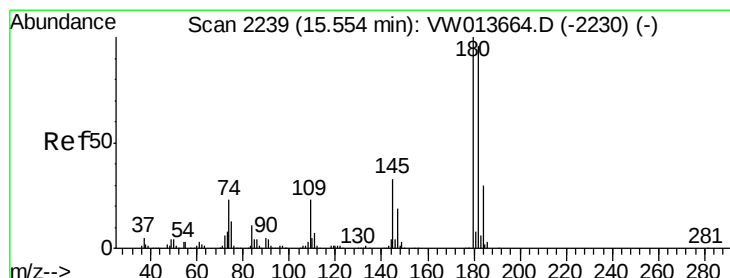
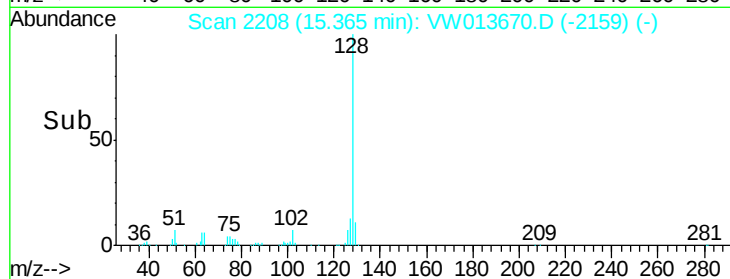
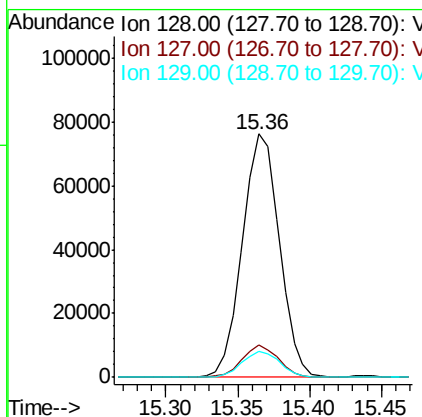
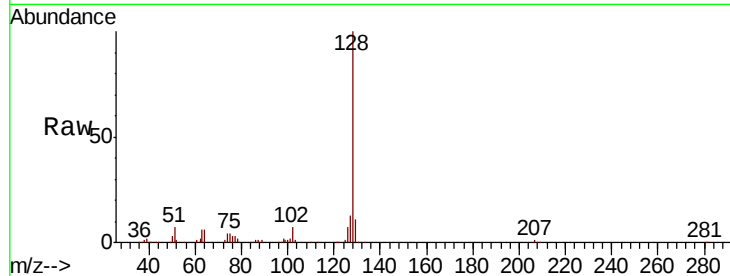
#95
Naphthalene
Concen: 20.498 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

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

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:27:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.857 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013670.D
Acq: 23 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	30.6	14.9	44.9

