

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
 Data File : VW013377.D
 Acq On : 02 Oct 2019 14:45
 Operator : SY/VA
 Sample : VW1002SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Manual Integrations
 APPROVED

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 10/4/2019 12:11:30 PM

Quant Time: Oct 02 16:17:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	324427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	450725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	198500	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	129650	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
35) Dibromofluoromethane	7.88	113	126166	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
50) Toluene-d8	10.32	98	522802	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.62	95	177432	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	23658	18.853	ug/l	98
3) Chloromethane	2.20	50	39820	19.230	ug/l	98
4) Vinyl Chloride	2.36	62	55409	18.855	ug/l	99
5) Bromomethane	2.76	94	32436	17.965	ug/l	98
6) Chloroethane	2.91	64	29208	17.212	ug/l	99
7) Trichlorofluoromethane	3.25	101	22560	17.695	ug/l	96
8) Diethyl Ether	3.67	74	29362	19.897	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53246	18.837	ug/l	97
10) Methyl Iodide	4.26	142	82473	18.067	ug/l	99
11) Tert butyl alcohol	5.18	59	22232	95.961	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	55978	18.744	ug/l	99
13) Acrolein	3.89	56	28057	120.286	ug/l	98
14) Allyl chloride	4.66	41	79411	17.974	ug/l	98
15) Acrylonitrile	5.36	53	74176	111.193	ug/l	98
16) Acetone	4.12	43	66106	89.030	ug/l	89
17) Carbon Disulfide	4.38	76	154200	18.508	ug/l	99
18) Methyl Acetate	4.66	43	36244	20.855	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	85140	19.370	ug/l	99
20) Methylene Chloride	4.92	84	59789	18.148	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	59001	18.551	ug/l	98
22) Diisopropyl ether	6.31	45	156764	18.374	ug/l	98
23) Vinyl Acetate	6.24	43	522517	102.063	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97211	18.706	ug/l	97
25) 2-Butanone	7.17	43	103243	108.665	ug/l	95
26) 2,2-Dichloropropane	7.17	77	62380	19.742	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	61292	18.411	ug/l	99
28) Bromochloromethane	7.51	49	32604	17.352	ug/l	92
29) Tetrahydrofuran	7.53	42	62936	119.165	ug/l	97
30) Chloroform	7.67	83	92468	18.146	ug/l	99
31) Cyclohexane	7.95	56	101210	18.262	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	74858	18.751	ug/l	99
36) 1,1-Dichloropropene	8.08	75	81139	19.382	ug/l	99
37) Ethyl Acetate	7.25	43	44514	24.170	ug/l	98
38) Carbon Tetrachloride	8.06	117	70814	19.527	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	106953	19.399	ug/l	98
40) Benzene	8.32	78	225163	19.000	ug/l	100
41) Methacrylonitrile	7.48	41	25649	23.024	ug/l	95
42) 1,2-Dichloroethane	8.40	62	61025	20.036	ug/l	100
43) Isopropyl Acetate	8.42	43	75485	21.707	ug/l	96
44) Trichloroethene	9.09	130	63090	18.905	ug/l	93
45) 1,2-Dichloropropane	9.37	63	54353	19.102	ug/l	96
46) Dibromomethane	9.46	93	28434	20.063	ug/l	100
47) Bromodichloromethane	9.64	83	65545	18.787	ug/l	99
48) Methyl methacrylate	9.43	41	37490	22.438	ug/l	96
49) 1,4-Dioxane	9.46	88	11594	520.482	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	205079	112.248	ug/l	99
52) Toluene	10.38	92	145575	19.045	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	70613	19.458	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	84584	19.224	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	43405	20.530	ug/l	96
56) Ethyl methacrylate	10.65	69	59951	21.067	ug/l	96
57) 1,3-Dichloropropane	10.93	76	73587	20.021	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	138680	118.637	ug/l	99
59) 2-Hexanone	10.96	43	143180	113.065	ug/l	99
60) Dibromochloromethane	11.13	129	48172	19.917	ug/l	99
61) 1,2-Dibromoethane	11.23	107	42890	20.994	ug/l	99
64) Tetrachloroethene	10.86	164	54909	18.691	ug/l	95
65) Chlorobenzene	11.66	112	149627	18.914	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	51825	19.234	ug/l	98
67) Ethyl Benzene	11.73	91	272350	19.209	ug/l	99
68) m/p-Xylenes	11.84	106	212411	38.813	ug/l	99
69) o-Xylene	12.16	106	97946	19.357	ug/l	97
70) Styrene	12.18	104	169135	19.554	ug/l	99
71) Bromoform	12.35	173	31024	21.237	ug/l #	100
73) Isopropylbenzene	12.46	105	276560	19.047	ug/l	100
74) N-amyl acetate	12.27	43	66372	21.479	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51664	21.022	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	34193m	19.382	ug/l	
77) Bromobenzene	12.74	156	65152	18.687	ug/l	98
78) n-propylbenzene	12.80	91	318029	19.041	ug/l	100
79) 2-Chlorotoluene	12.89	91	177641	19.149	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	230785	19.134	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17551	23.579	ug/l	98
82) 4-Chlorotoluene	12.99	91	188004	19.347	ug/l	100
83) tert-Butylbenzene	13.21	119	202192	19.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	226747	18.911	ug/l	99
85) sec-Butylbenzene	13.38	105	282257	19.432	ug/l	99
86) p-Isopropyltoluene	13.50	119	263979	19.610	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	124224	18.939	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	125398	19.093	ug/l	99
89) n-Butylbenzene	13.82	91	237632	19.580	ug/l	100
90) Hexachloroethane	14.09	117	42846	19.265	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	113602	19.592	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8779	23.882	ug/l	96

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ClientSampleId :
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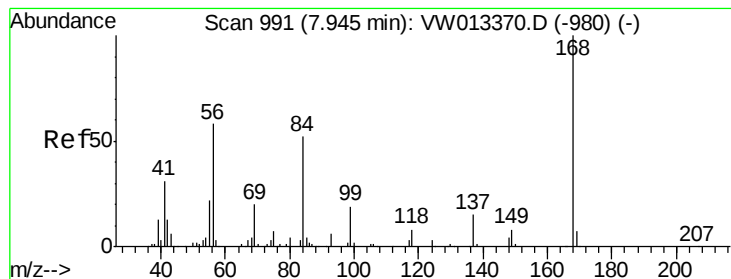
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	80698	19.392	ug/l	99
94) Hexachlorobutadiene	15.24	225	52947	19.587	ug/l	100
95) Naphthalene	15.36	128	146624	20.887	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	69072	19.011	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion:168 Resp: 324427

Ion Ratio Lower Upper

168 100

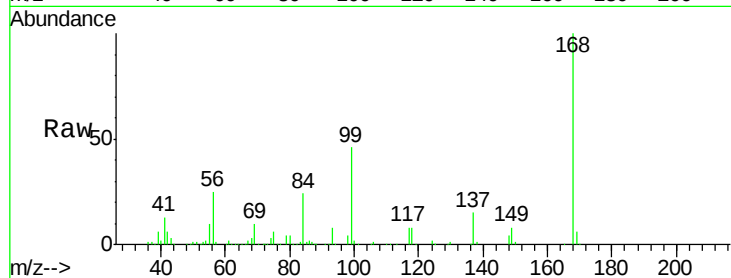
99 45.8 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

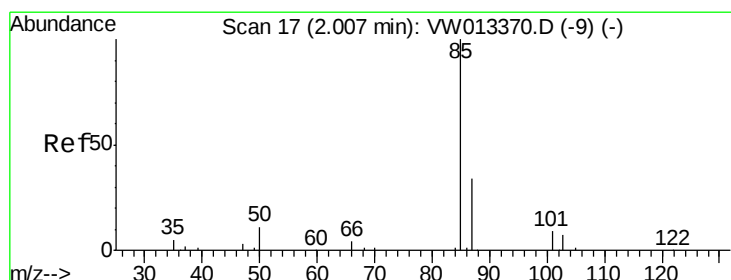
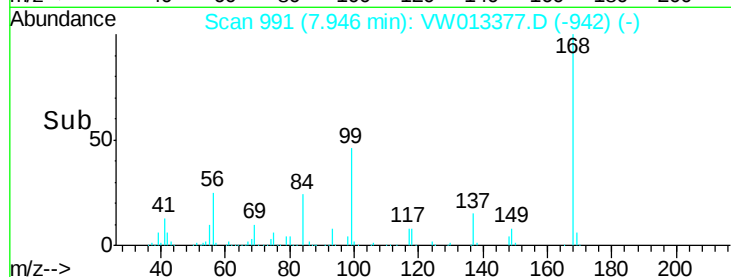
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.853 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013377.D

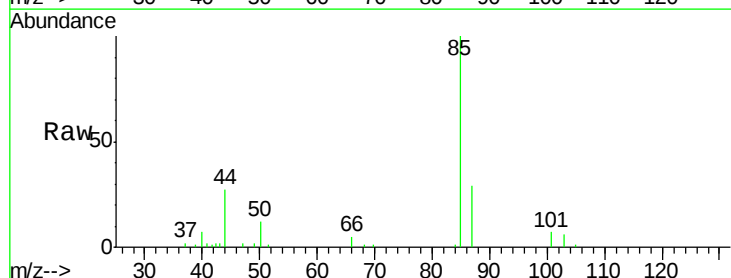
Acq: 02 Oct 2019 14:45

Tgt Ion: 85 Resp: 23658

Ion Ratio Lower Upper

85 100

87 29.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

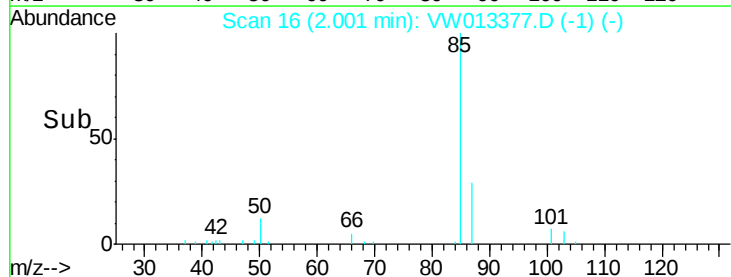
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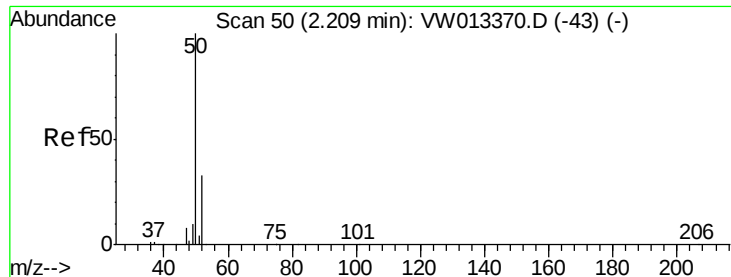
4000

2000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 19.230 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 50 Resp: 39820

Ion Ratio Lower Upper

50 100

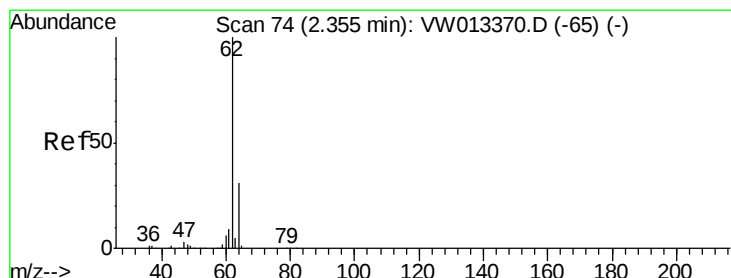
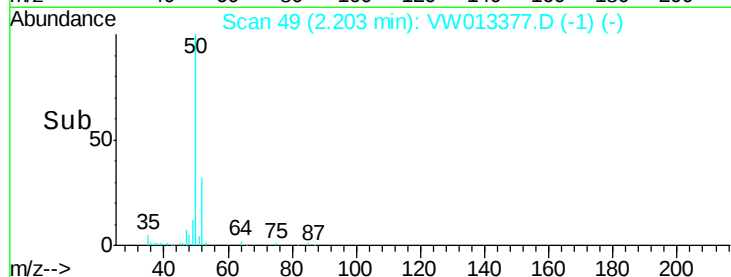
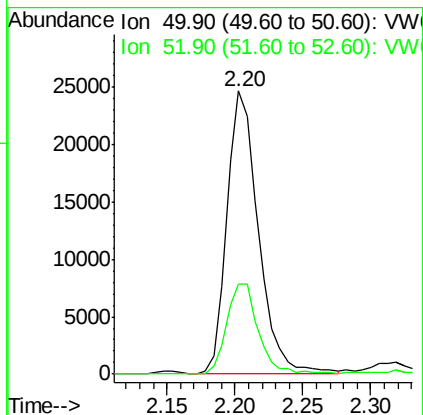
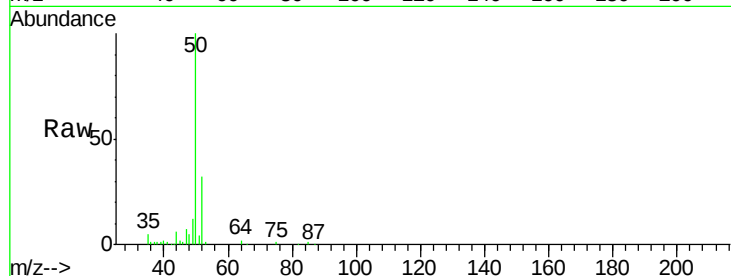
52 31.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.855 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013377.D

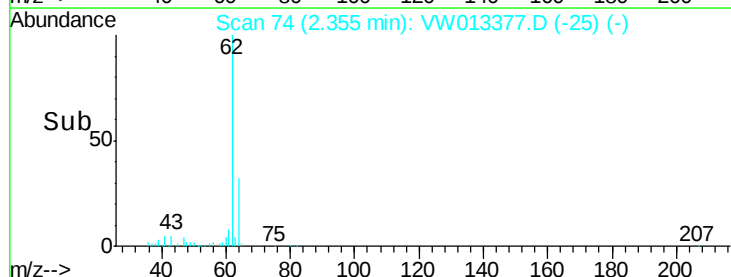
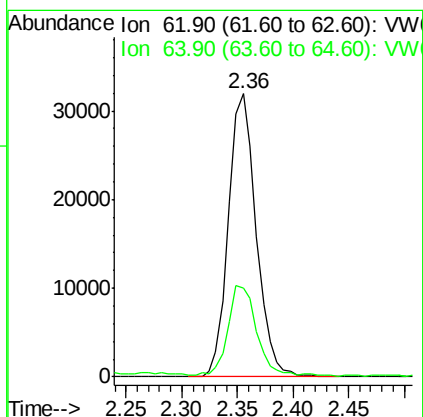
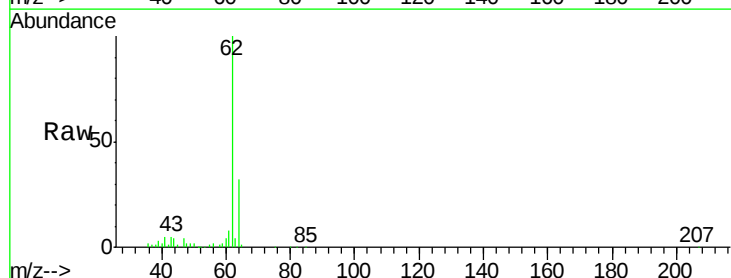
Acq: 02 Oct 2019 14:45

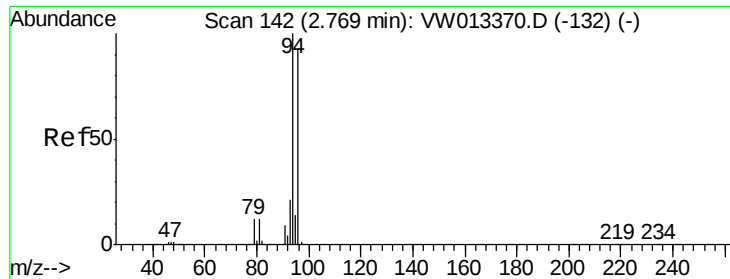
Tgt Ion: 62 Resp: 55409

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 17.965 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 94 Resp: 32436

Ion Ratio Lower Upper

94 100

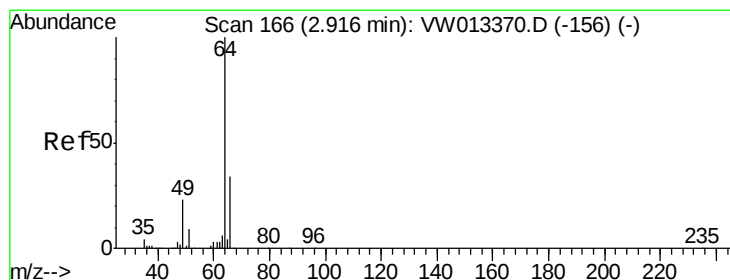
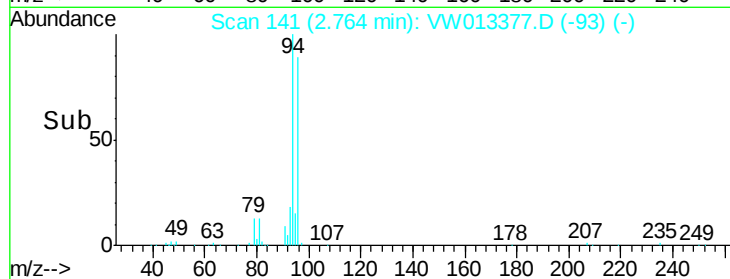
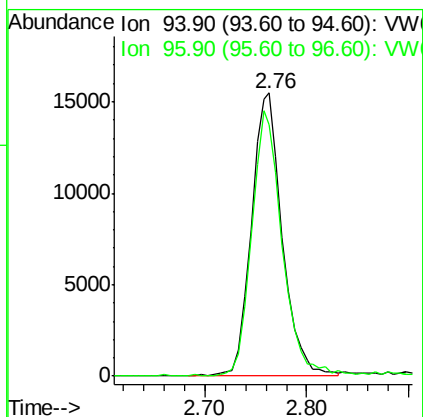
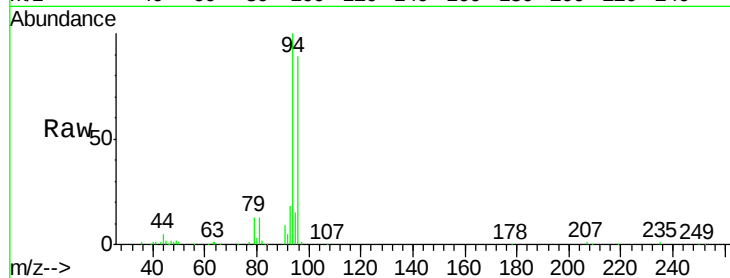
96 88.7 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 17.212 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013377.D

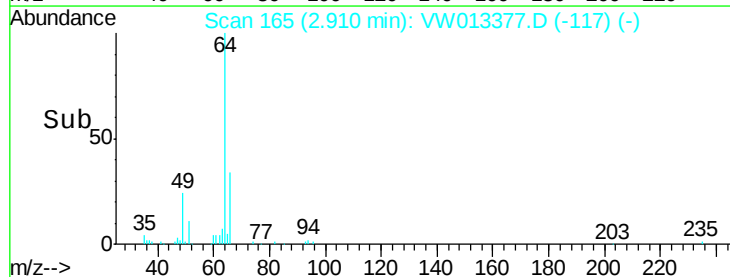
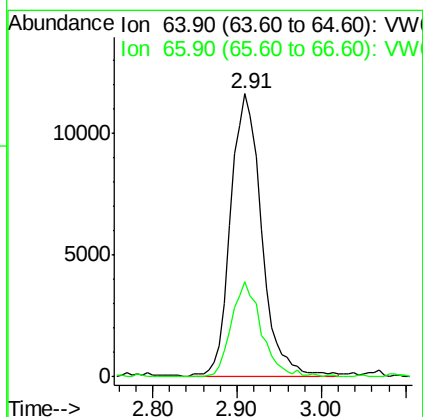
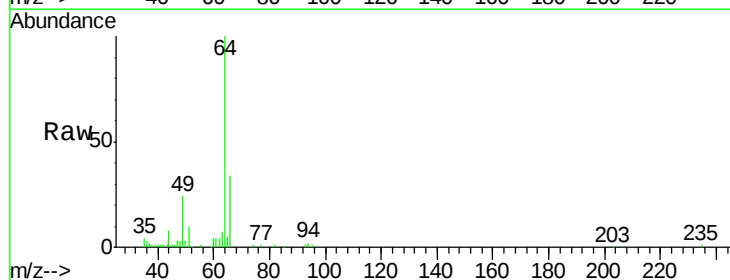
Acq: 02 Oct 2019 14:45

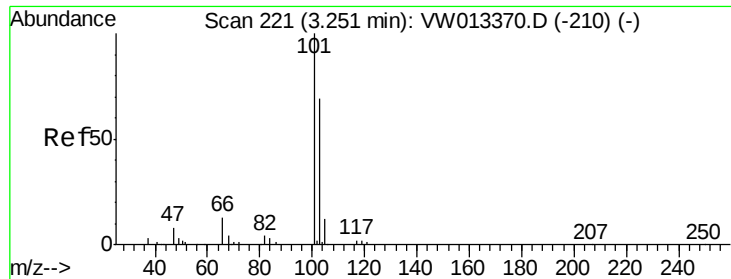
Tgt Ion: 64 Resp: 29208

Ion Ratio Lower Upper

64 100

66 33.6 26.6 39.8





#7

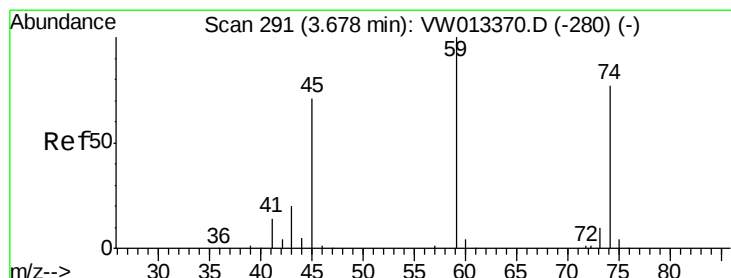
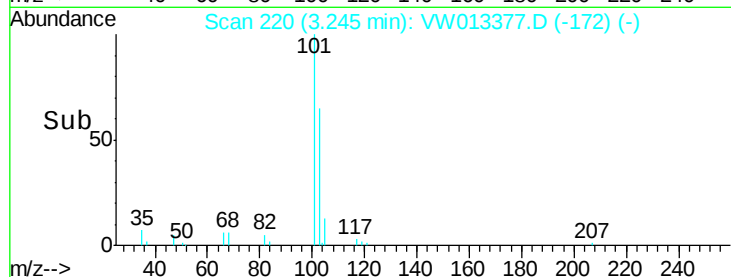
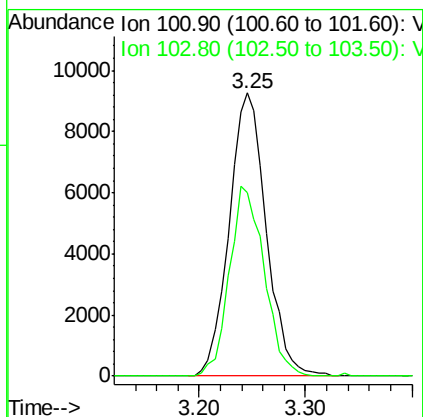
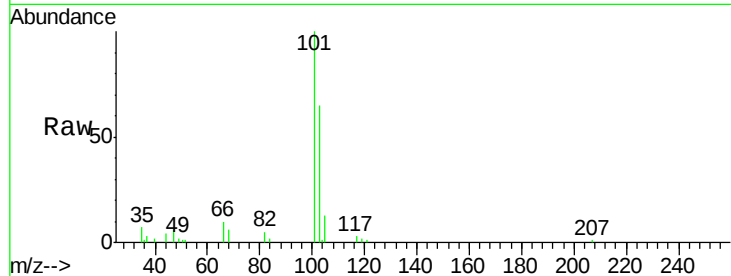
Trichlorofluoromethane
Concen: 17.695 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	49.7	74.5

Manual Integrations
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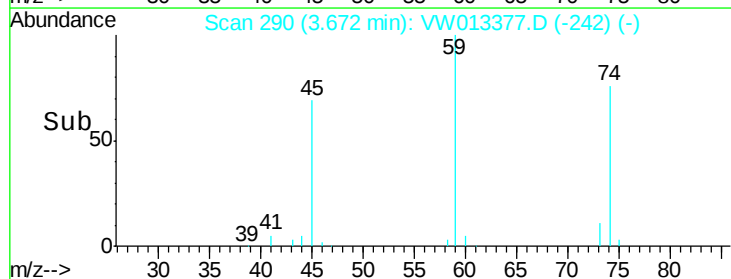
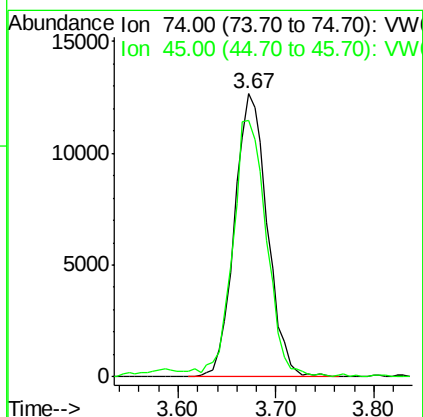
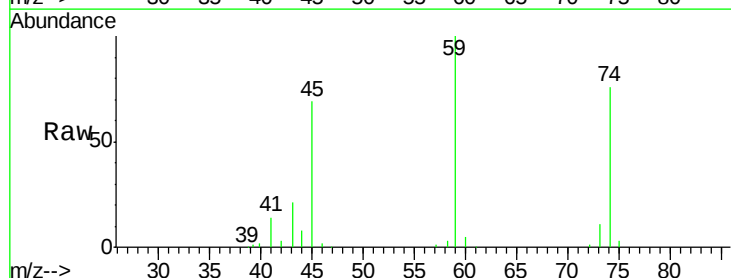
MMDadoda
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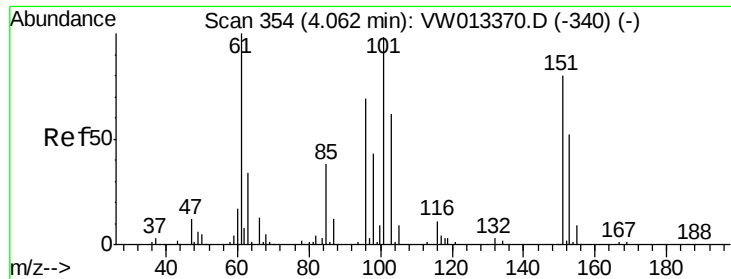


#8

Diethyl Ether
Concen: 19.897 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.837 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

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MSVOA_W

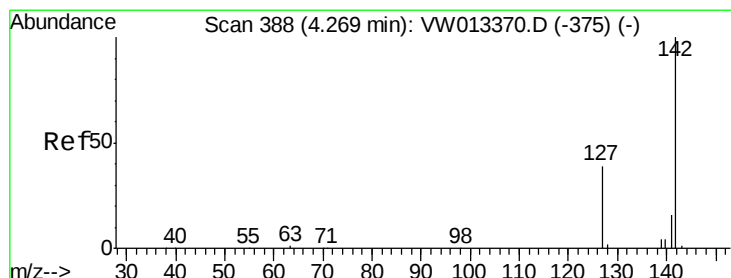
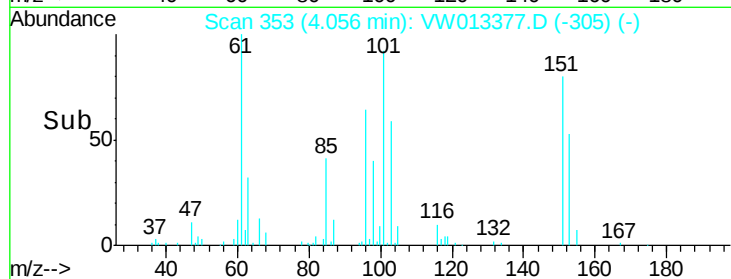
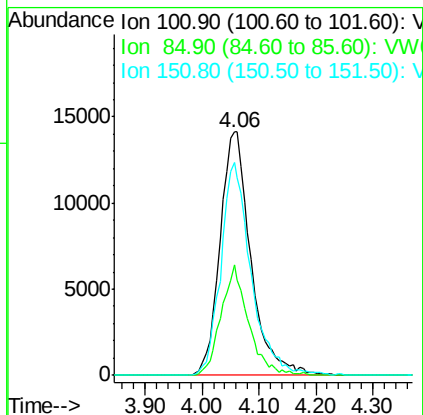
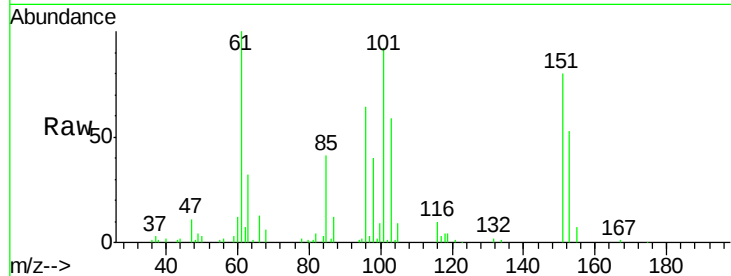
ClientSampleId :

VW1002SBS01

Tot Ion:	101	Resp:	53246
Ion Ratio	Lower	Upper	
101	100		
85	40.0	33.4	50.0
151	85.8	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.067 ug/l

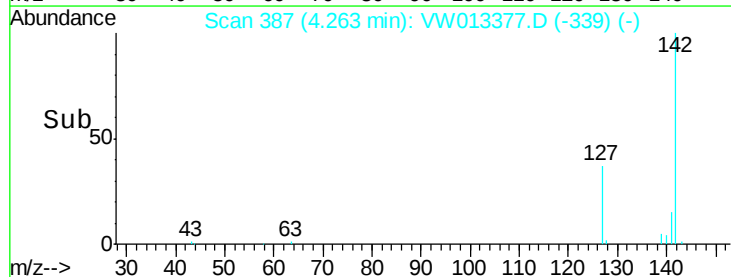
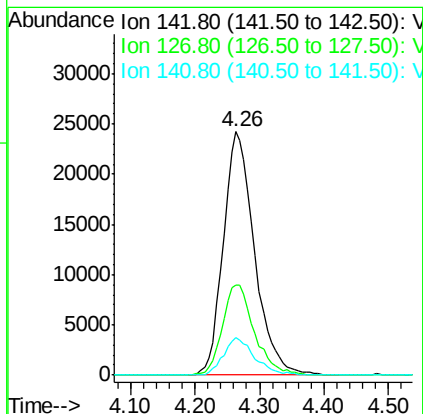
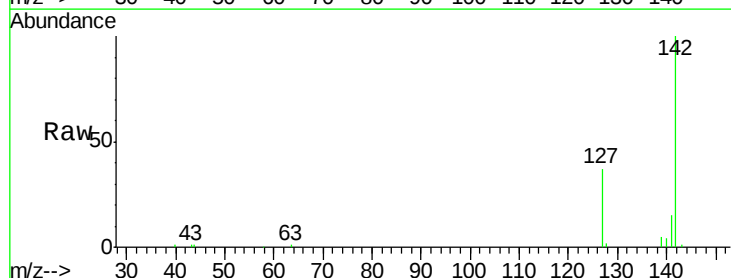
RT: 4.26 min Scan# 387

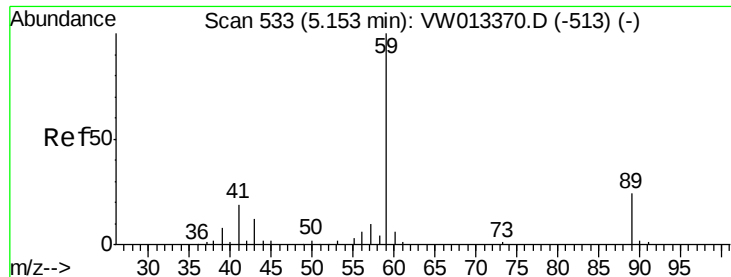
Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion:	142	Resp:	82473
Ion Ratio	Lower	Upper	
142	100		
127	37.7	30.9	46.3
141	15.1	11.7	17.5





#11

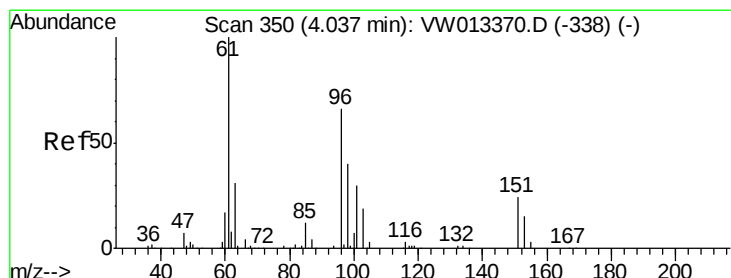
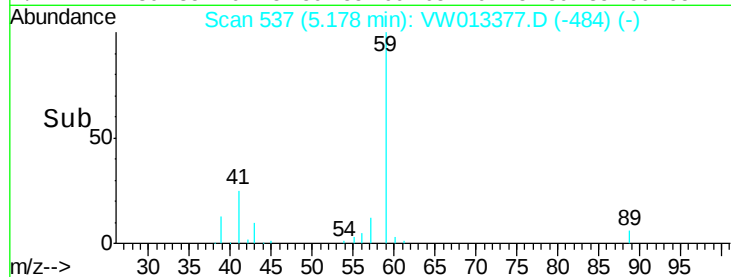
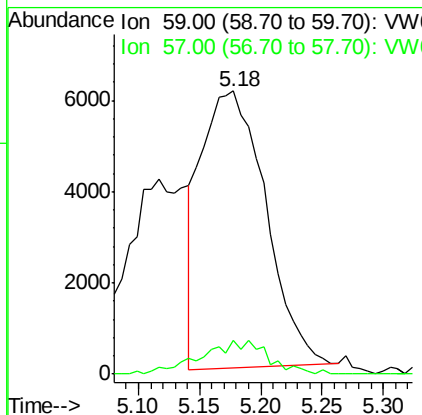
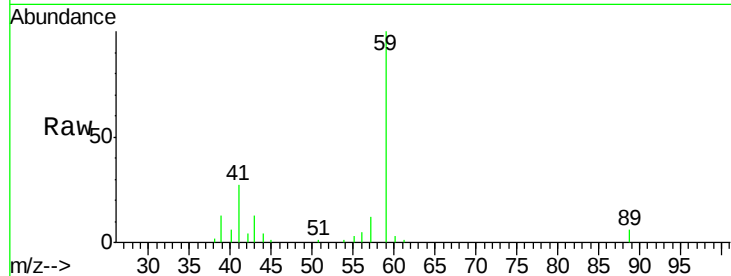
Tert butyl alcohol
 Concen: 95.961 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion: 59 Resp: 22232
 Ion Ratio Lower Upper
 59 100
 57 12.5 8.2 12.2#

Manual Integrations
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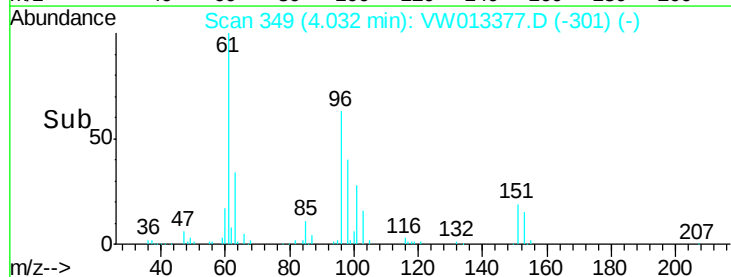
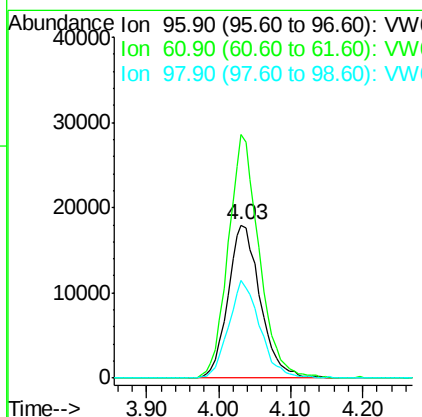
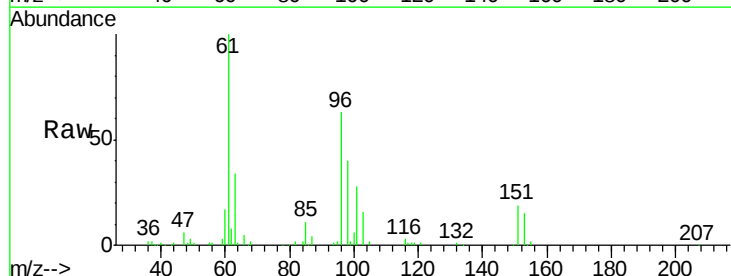
MMDadoda
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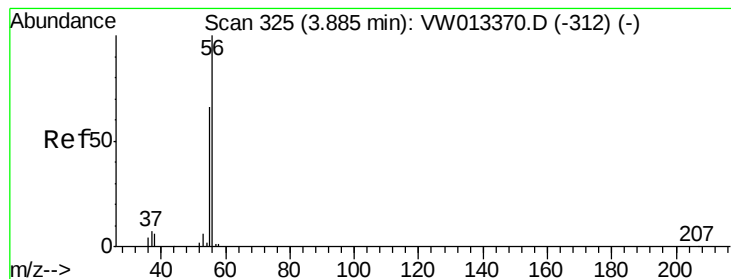


#12

1,1-Dichloroethene
 Concen: 18.744 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion: 96 Resp: 55978
 Ion Ratio Lower Upper
 96 100
 61 159.0 125.1 187.7
 98 63.5 50.8 76.2





#13

Acrolein

Concen: 120.286 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 56 Resp: 28057

Ion Ratio Lower Upper

56 100

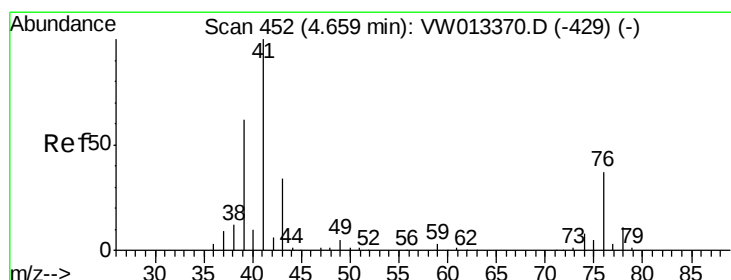
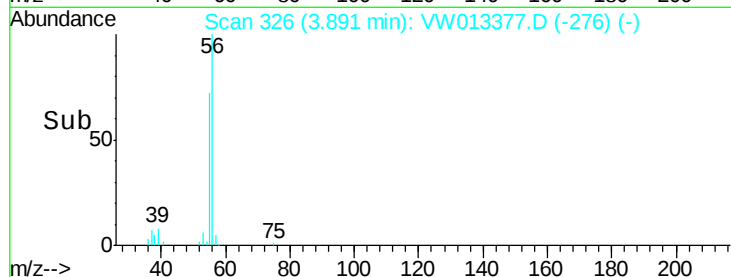
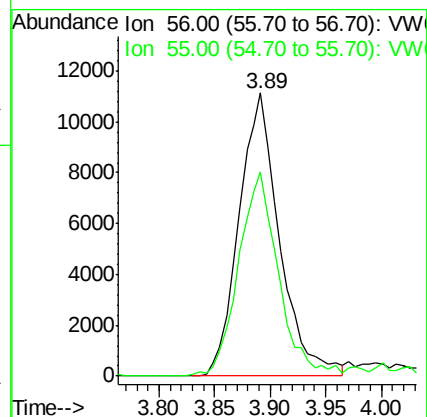
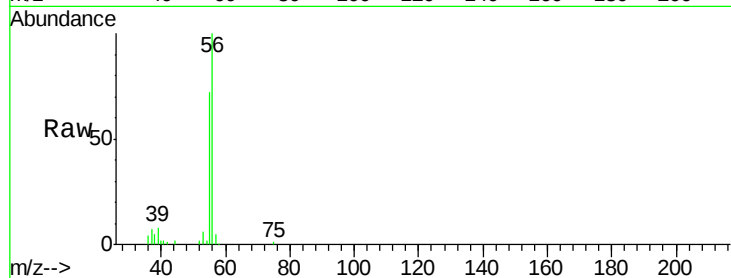
55 71.2 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 17.974 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

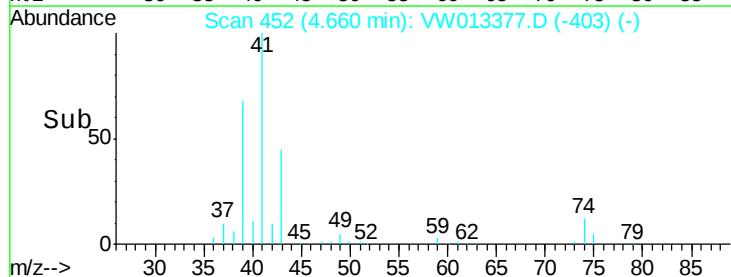
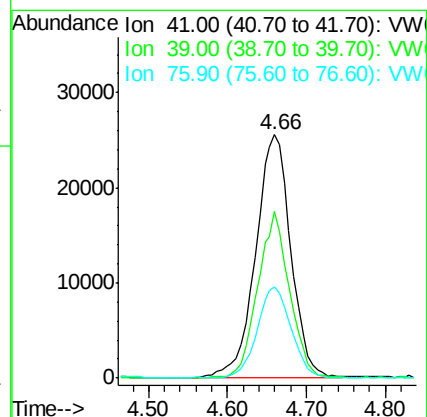
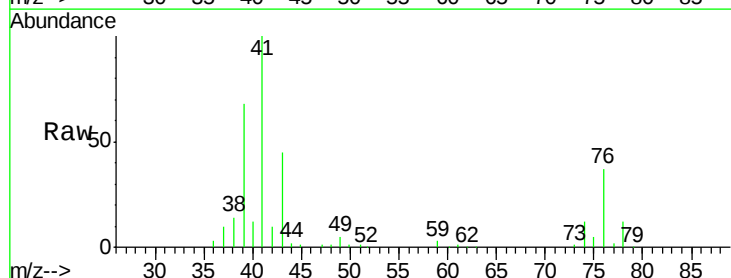
Tgt Ion: 41 Resp: 79411

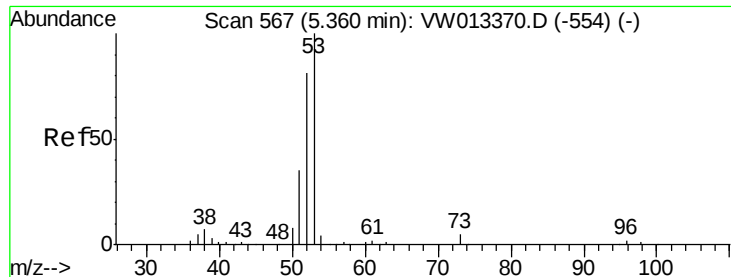
Ion Ratio Lower Upper

41 100

39 62.0 51.0 76.4

76 35.9 28.4 42.6





#15

Acrylonitrile

Concen: 111.193 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

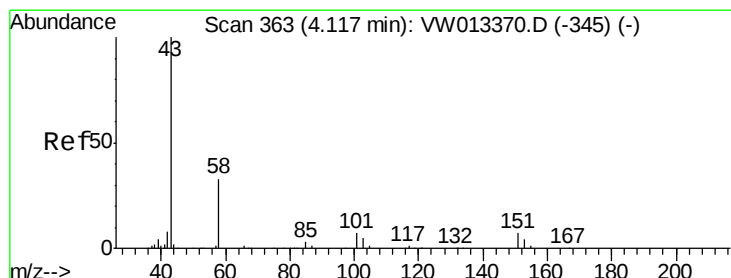
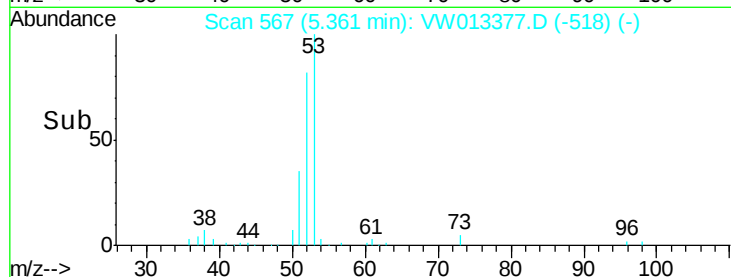
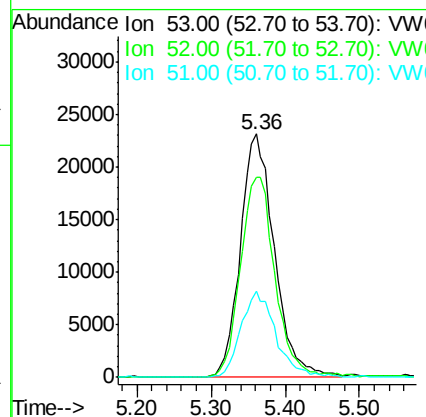
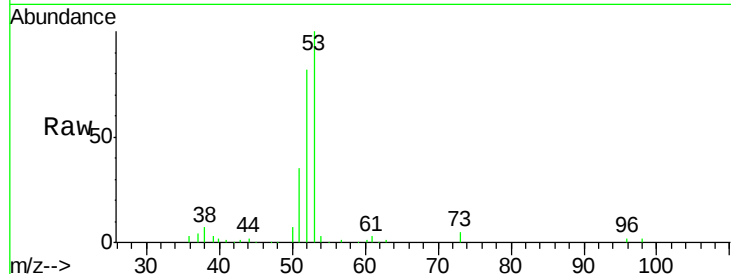
ClientSampleId :

VW1002SBS01

Tot Ion:	53	Resp:	74176
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.3	97.9
51	36.4	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 89.030 ug/l

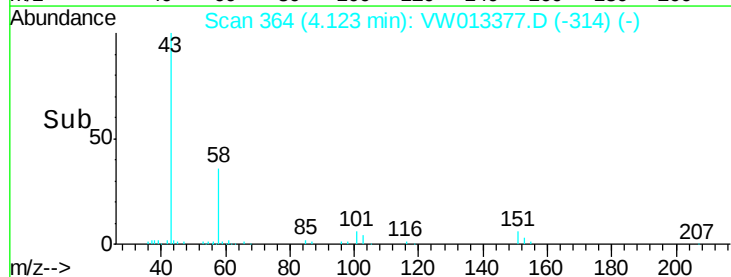
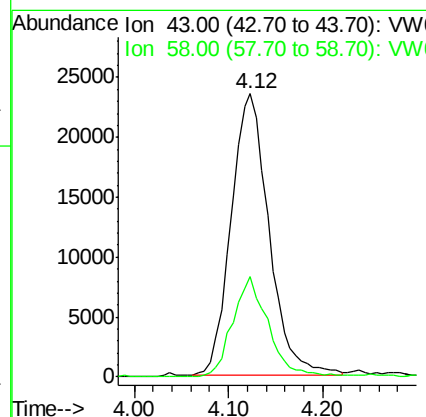
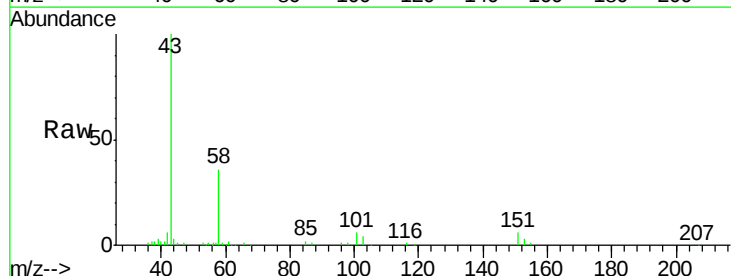
RT: 4.12 min Scan# 364

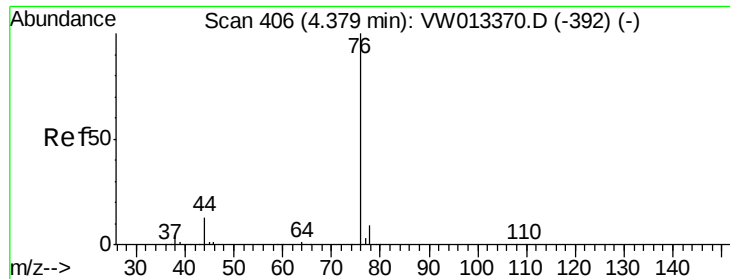
Delta R.T. 0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion:	43	Resp:	66106
Ion	Ratio	Lower	Upper
43	100		
58	35.8	24.1	36.1





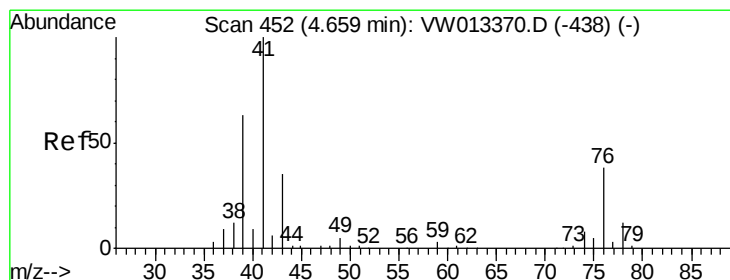
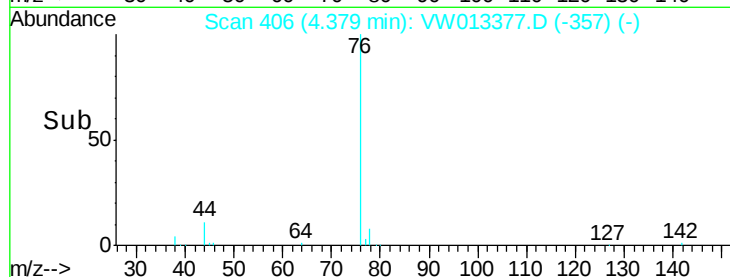
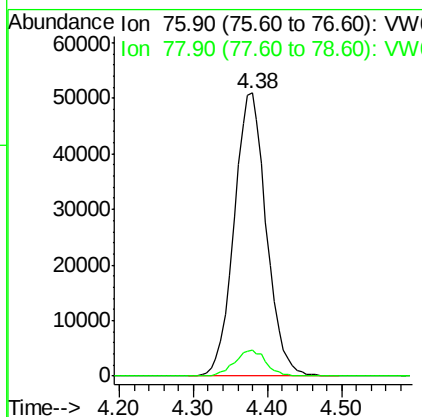
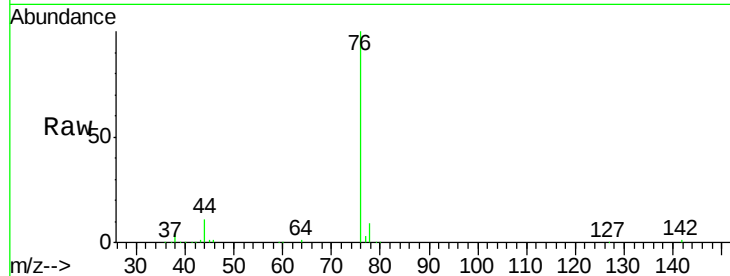
#17
Carbon Disulfide
Concen: 18.508 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

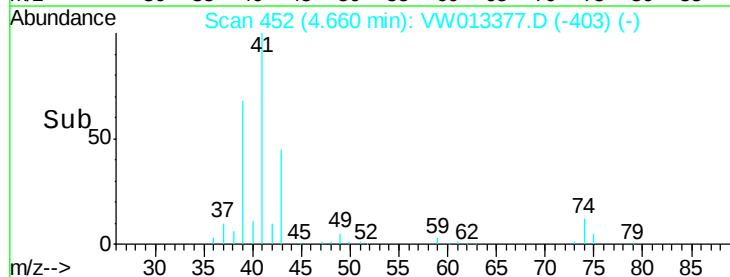
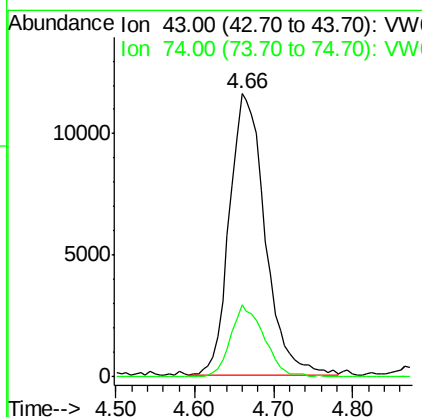
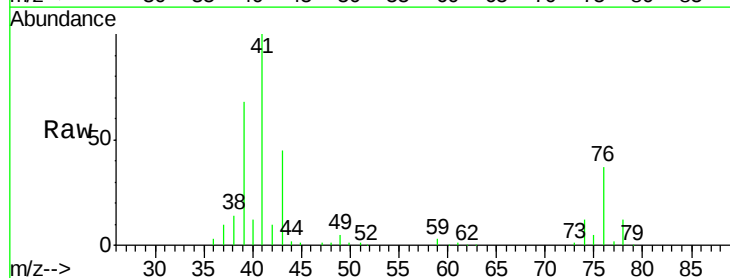
Manual Integrations
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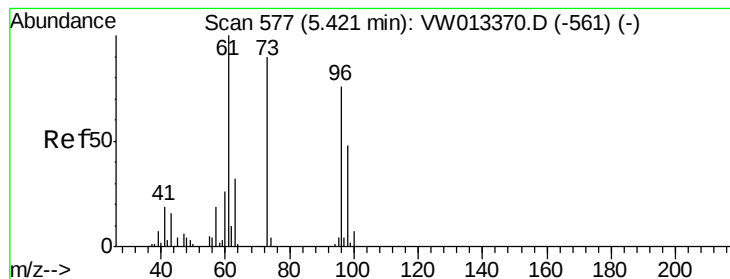
MMDadoda
10/4/2019 12:11:30 PM



#18
Methyl Acetate
Concen: 20.855 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.3	28.9





#19

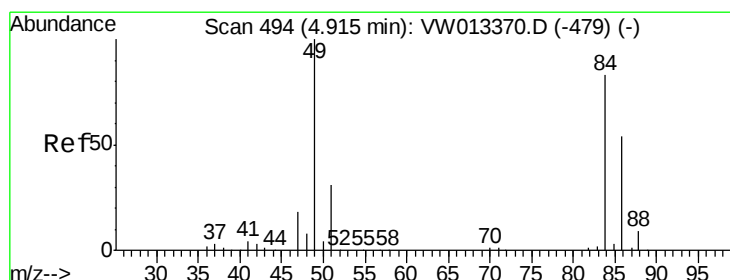
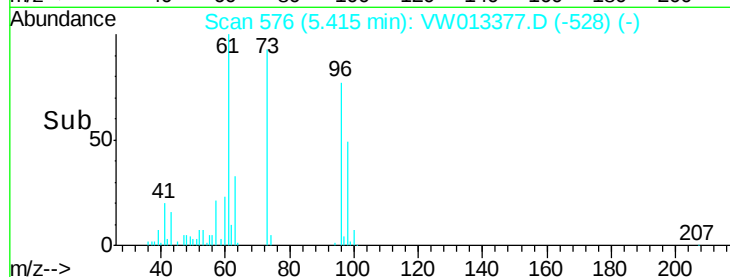
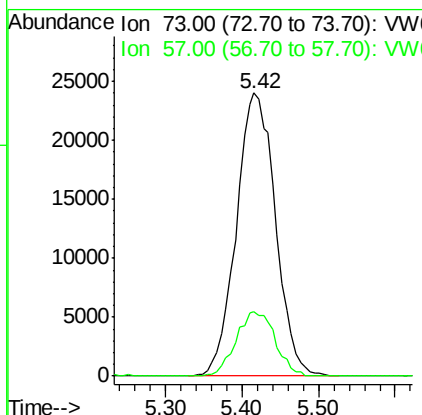
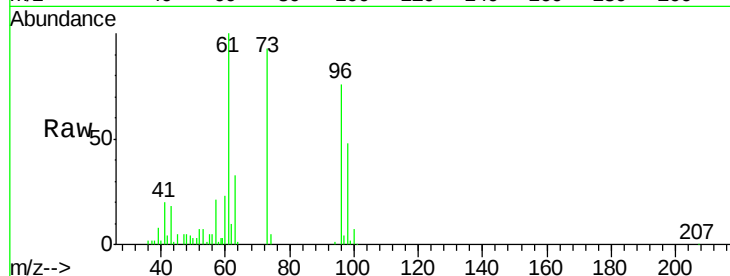
Methyl tert-butyl Ether
 Concen: 19.370 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampled :
 VW1002SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.6	26.4

Manual Integrations
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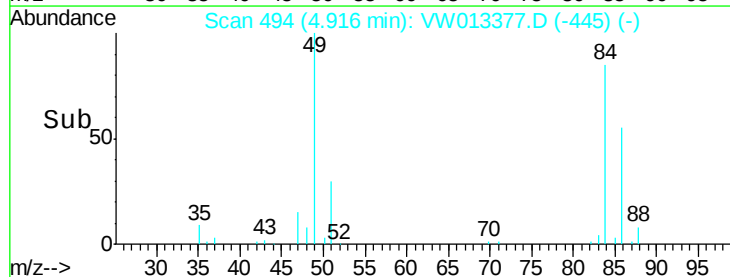
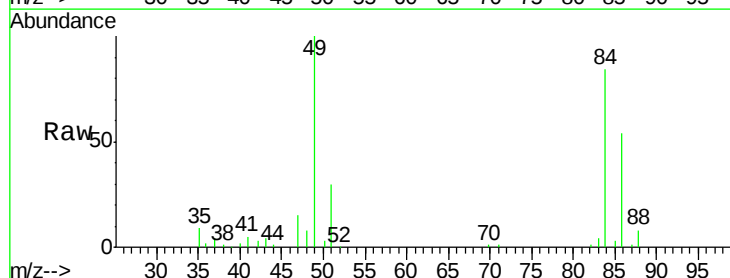
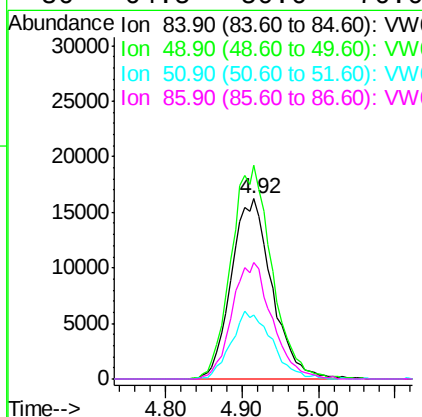
MMDadoda
 10/4/2019 12:11:30 PM

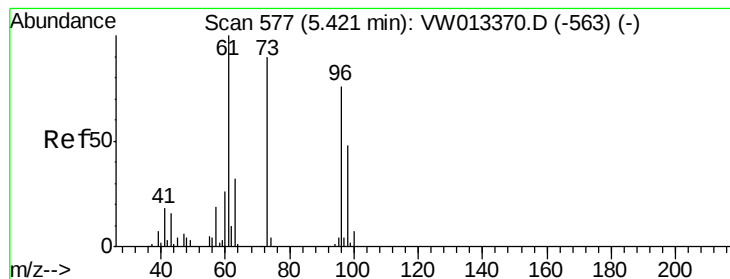


#20

Methylene Chloride
 Concen: 18.148 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.6	97.6	146.4
51	35.7	30.2	45.2
86	64.5	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 18.551 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

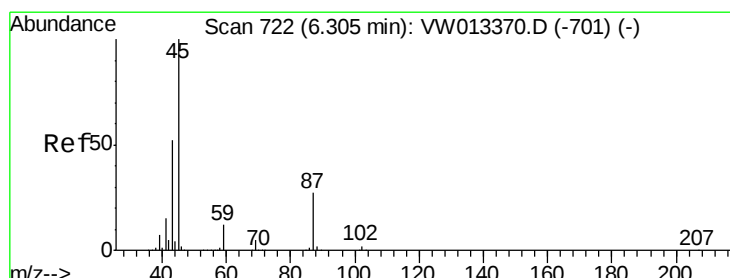
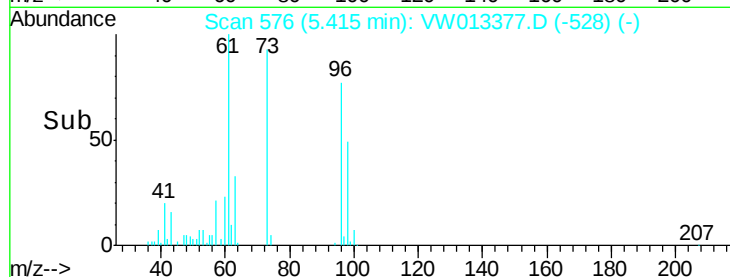
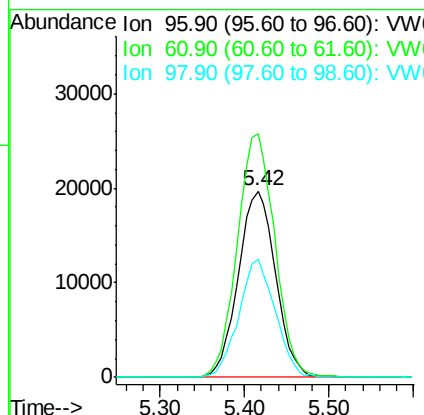
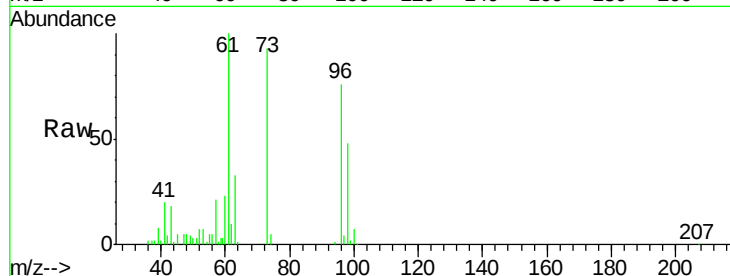
ClientSampleId :

VW1002SBS01

Tot Ion:	96	Resp:	59001
Ion	Ratio	Lower	Upper
96	100		
61	130.8	106.6	159.8
98	63.4	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.374 ug/l

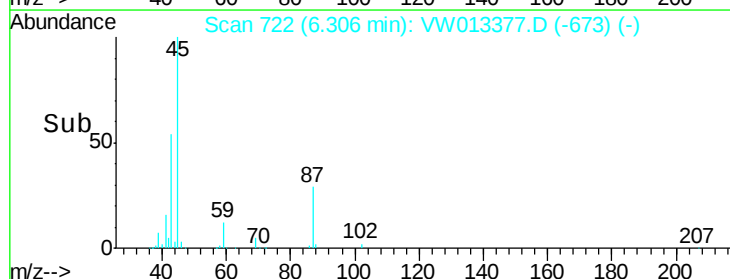
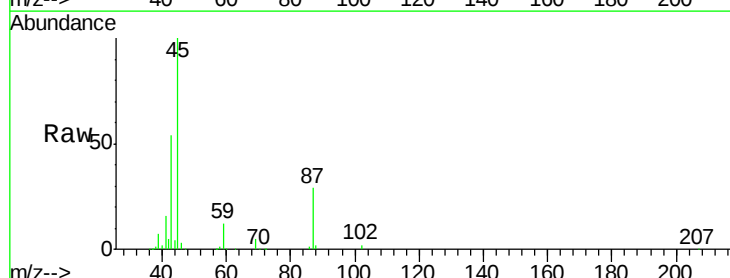
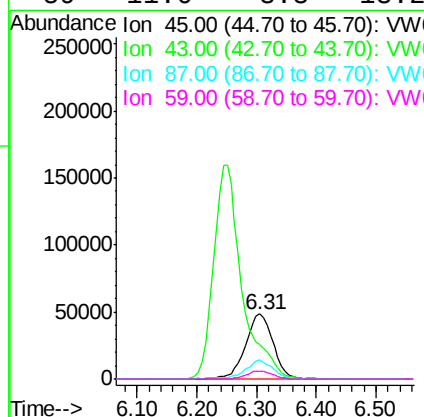
RT: 6.31 min Scan# 722

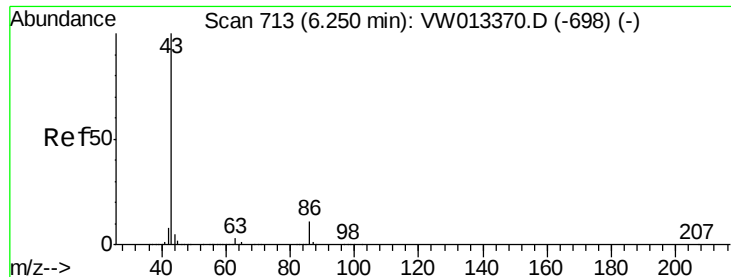
Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion:	45	Resp:	156764
Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.4	63.6
87	28.8	20.4	30.6
59	11.6	8.8	13.2





#23

Vinyl Acetate

Concen: 102.063 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 43 Resp: 522517

Ion Ratio Lower Upper

43 100

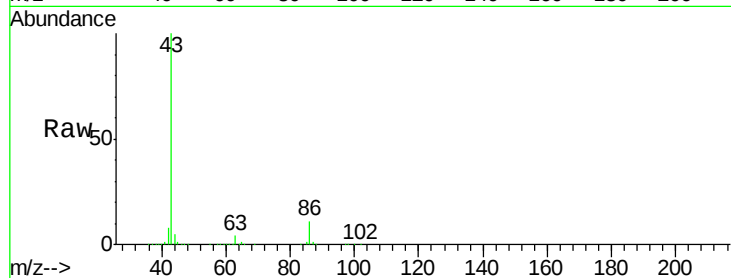
86 10.8 8.3 12.5

Manual Integrations

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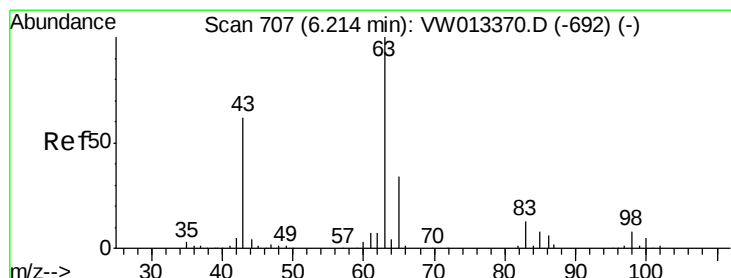
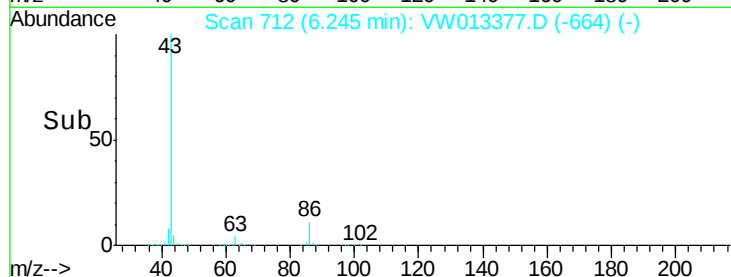
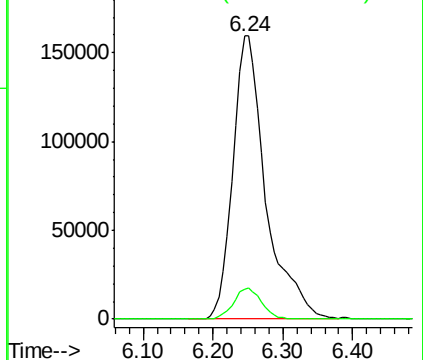
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 18.706 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

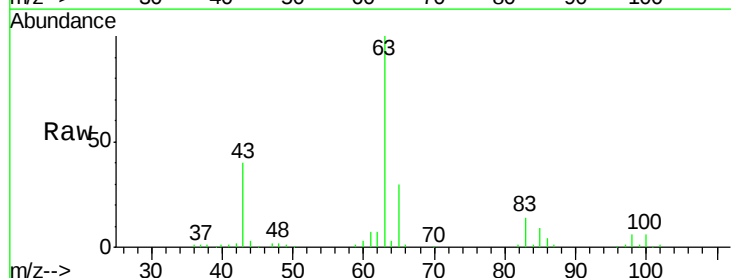
Tgt Ion: 63 Resp: 97211

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

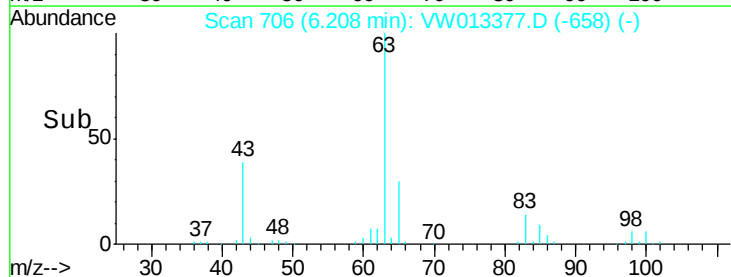
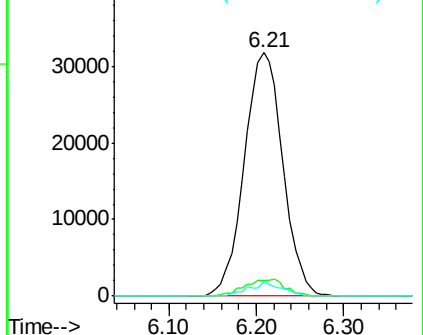
100 5.9 2.4 7.1

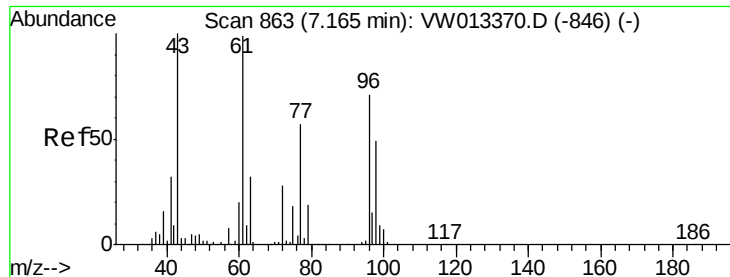


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 108.665 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 43 Resp: 103243

Ion Ratio Lower Upper

43 100

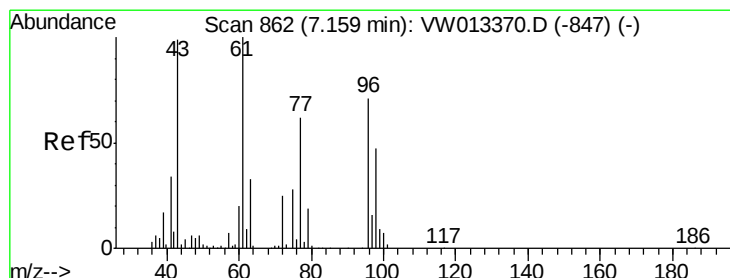
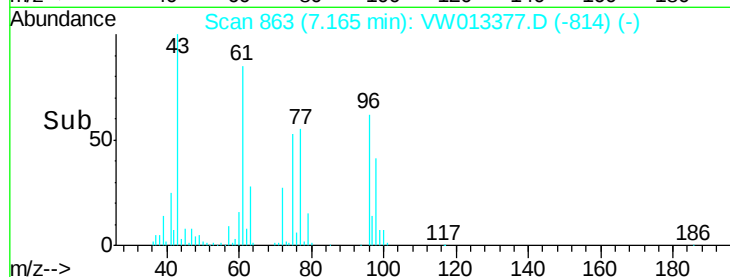
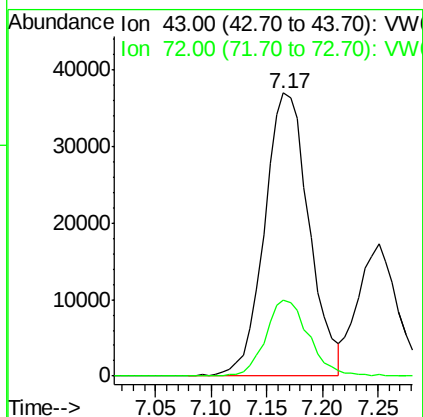
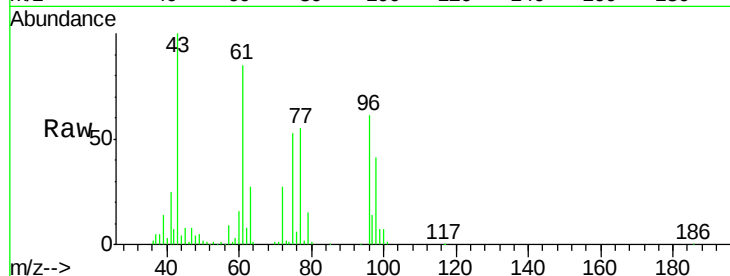
72 26.6 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.742 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013377.D

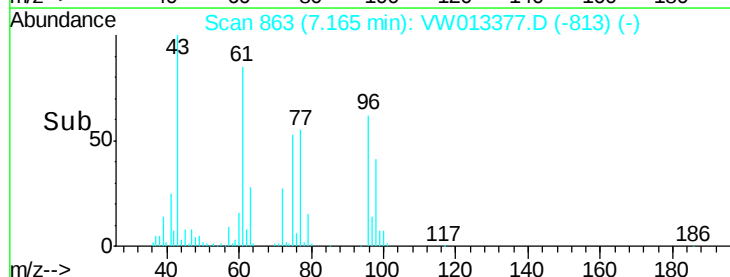
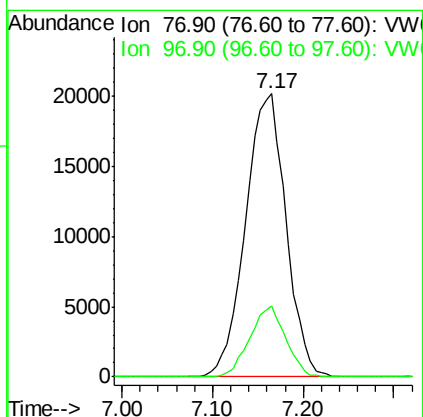
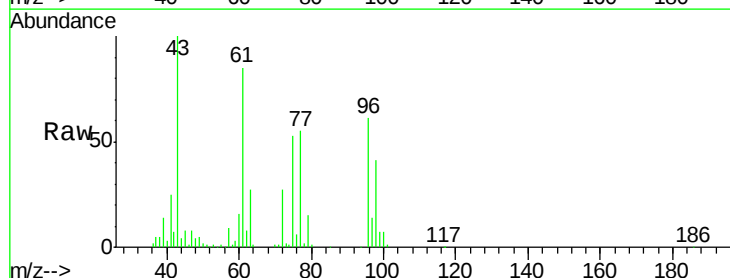
Acq: 02 Oct 2019 14:45

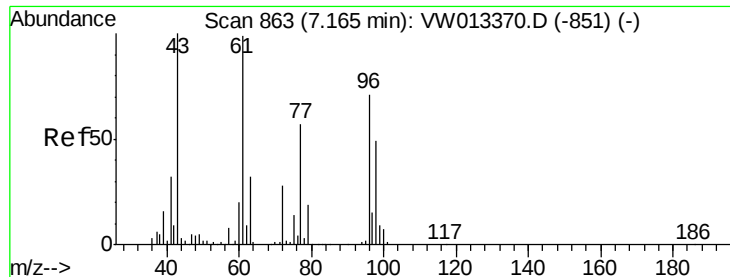
Tgt Ion: 77 Resp: 62380

Ion Ratio Lower Upper

77 100

97 22.2 11.8 35.4





#27

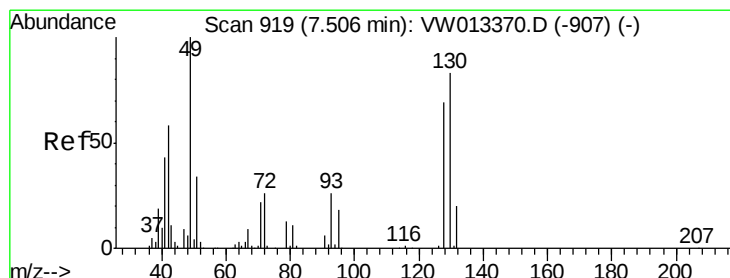
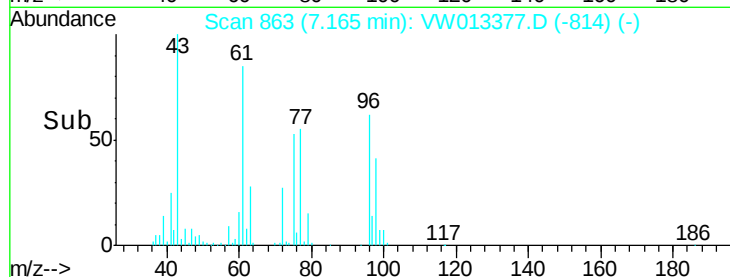
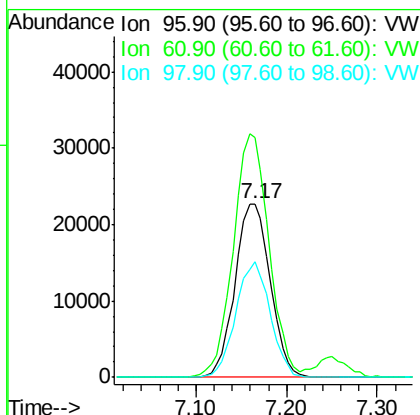
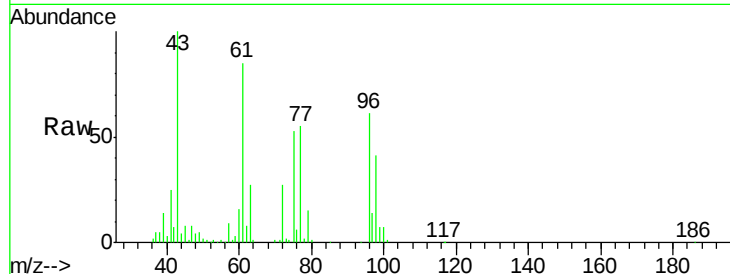
cis-1,2-Dichloroethene
Concen: 18.411 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	282.4
98	65.0	0.0	128.2

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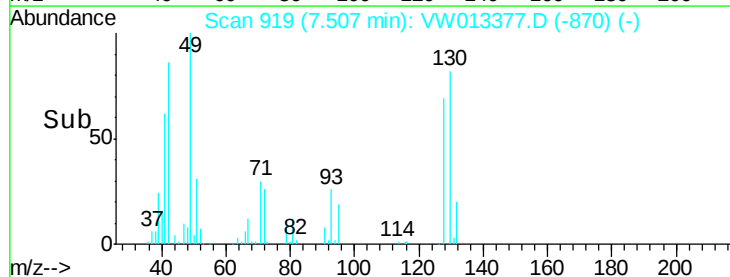
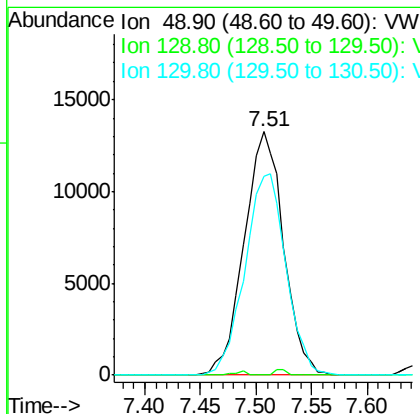
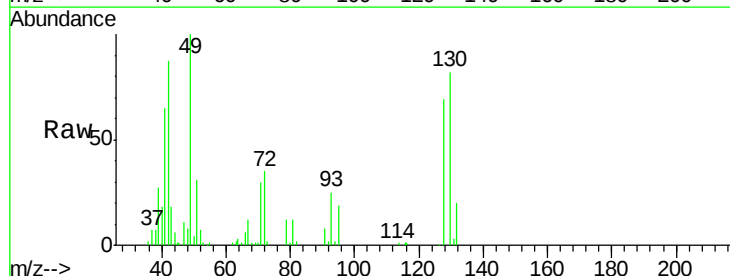
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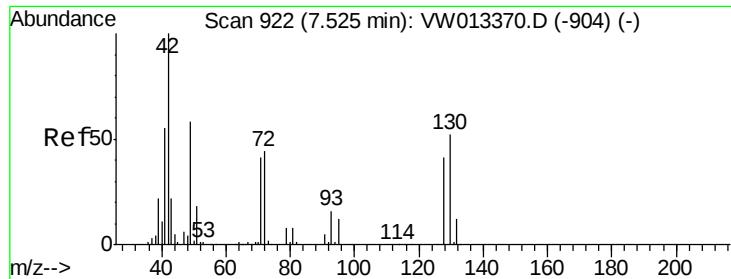


#28

Bromochloromethane
Concen: 17.352 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.0
130	86.0	63.4	95.2





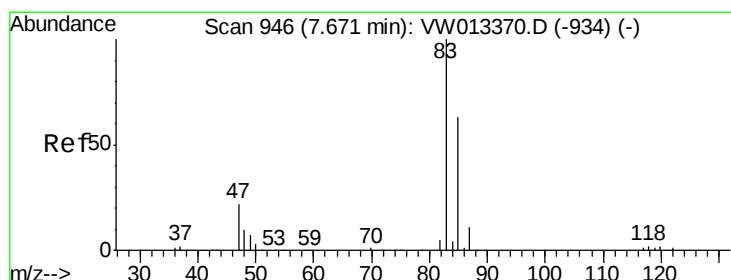
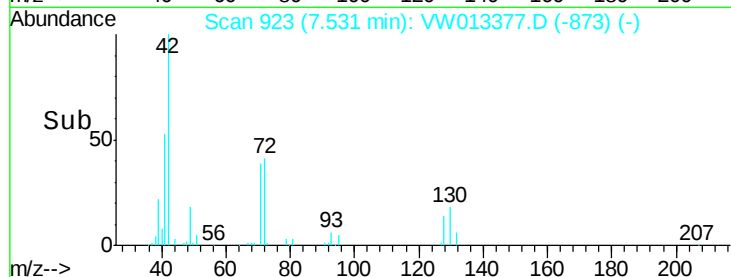
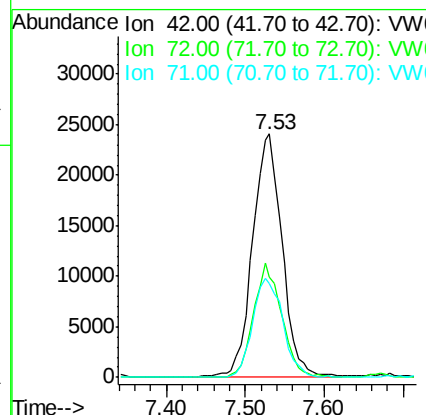
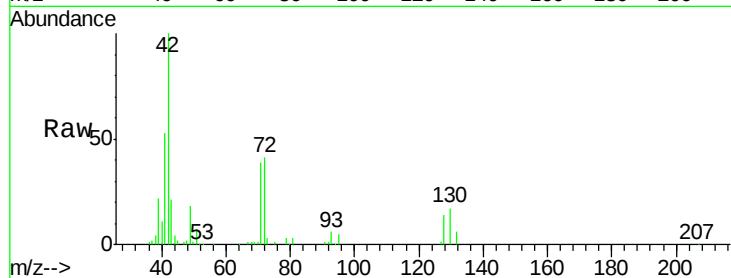
#29
Tetrahydrofuran
Concen: 119.165 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	33.9	50.9
71	41.7	31.9	47.9

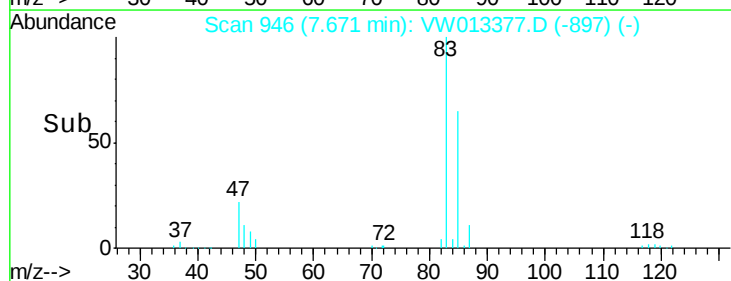
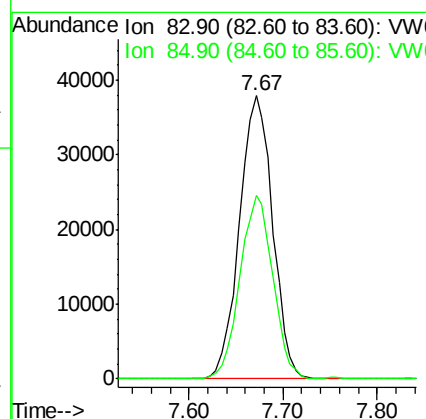
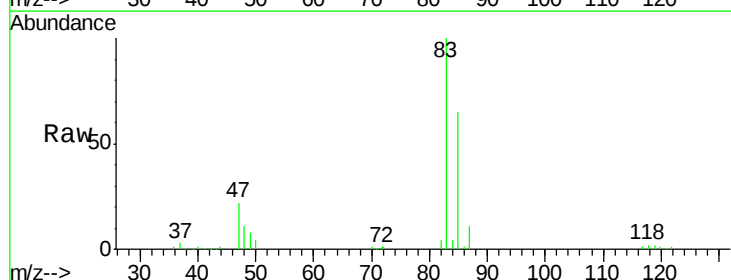
Manual Integrations
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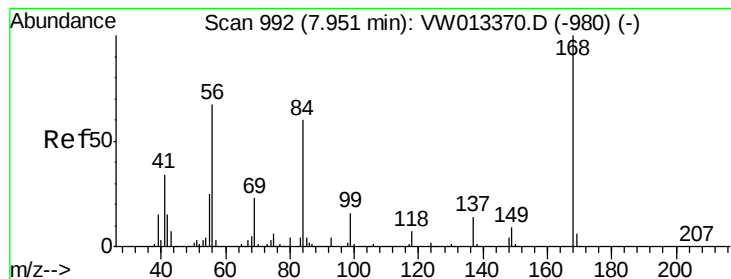
MMDadoda
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#30
Chloroform
Concen: 18.146 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5





#31

Cyclohexane

Concen: 18.262 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 56 Resp: 101210

Ion Ratio Lower Upper

56 100

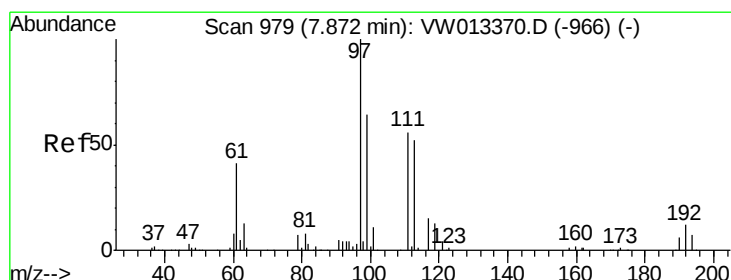
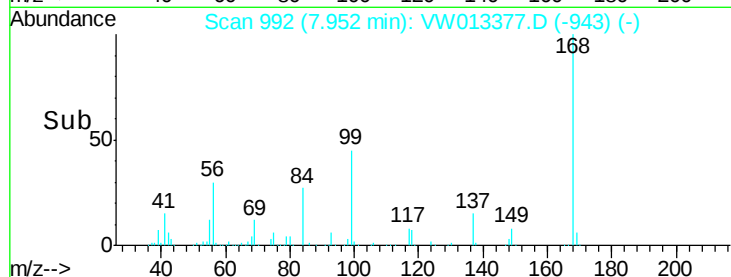
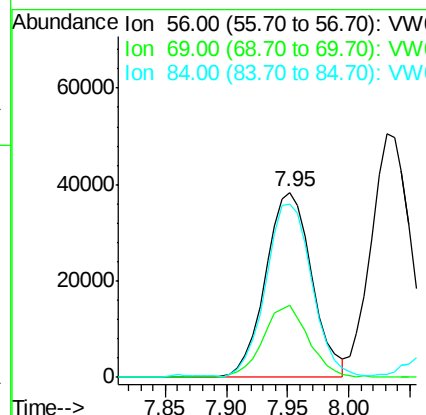
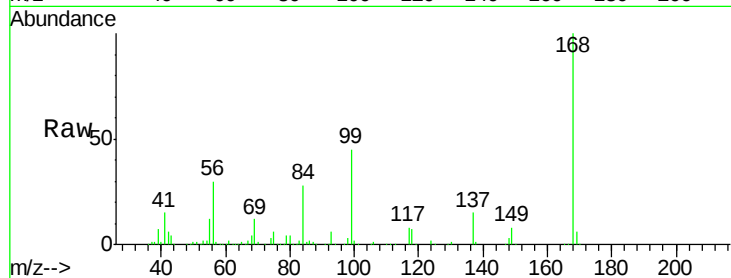
69 39.2 27.2 40.8

84 92.8 70.8 106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.751 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

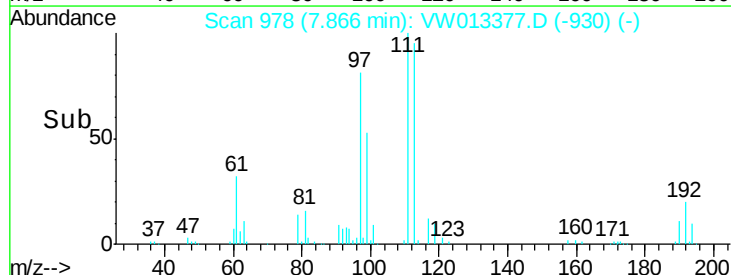
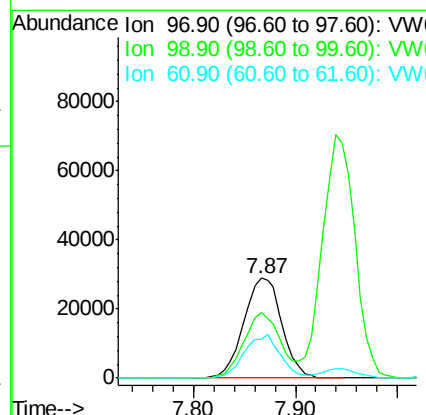
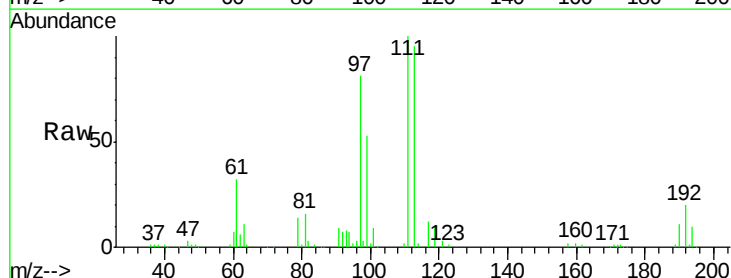
Tgt Ion: 97 Resp: 74858

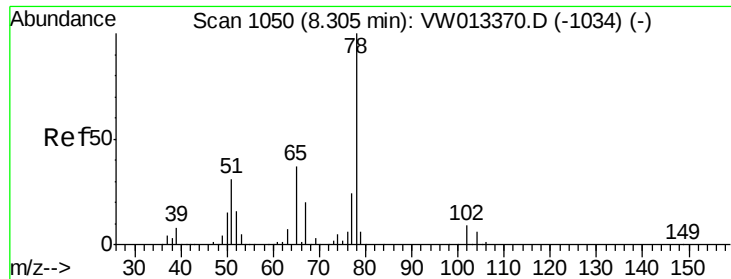
Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

61 41.6 34.6 51.8





#33

1,2-Dichloroethane-d4

Concen: 53.521 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 65 Resp: 129650

Ion Ratio Lower Upper

65 100

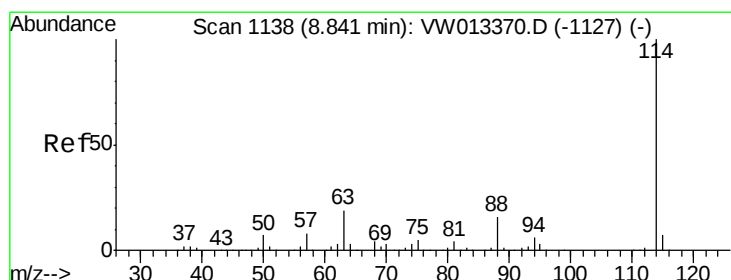
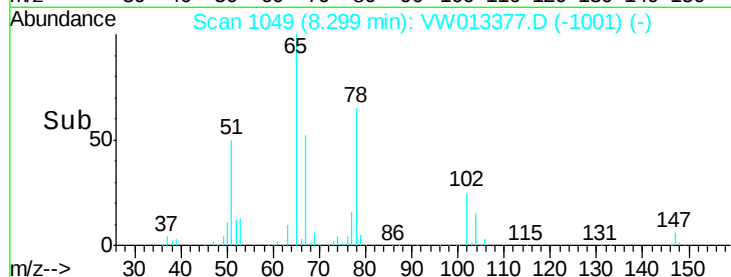
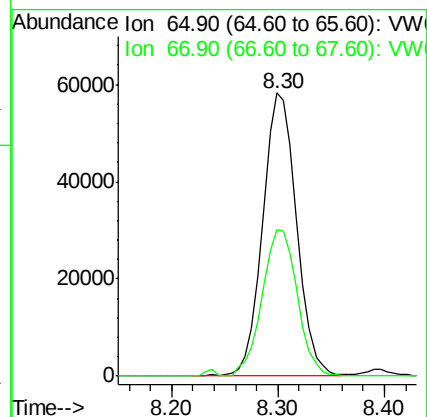
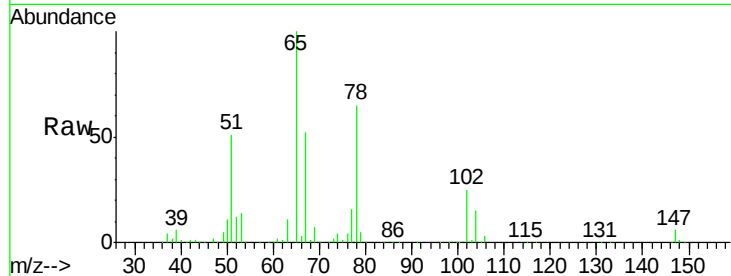
67 53.6 0.0 106.2

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: VW013377.D

Acq: 02 Oct 2019 14:45

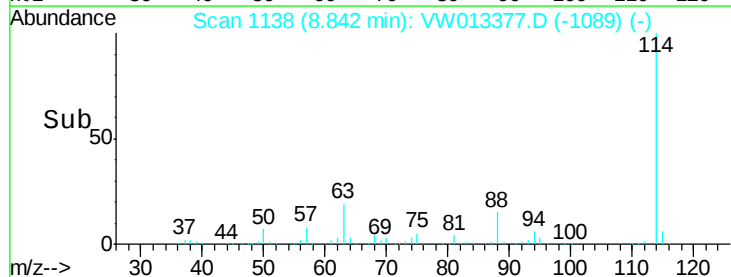
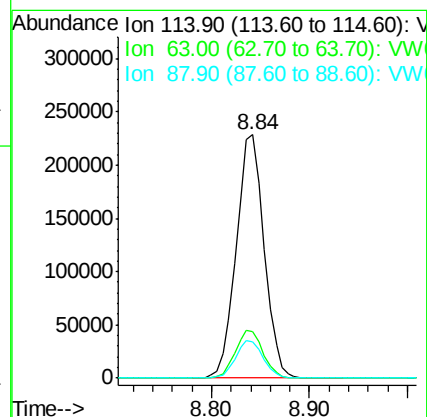
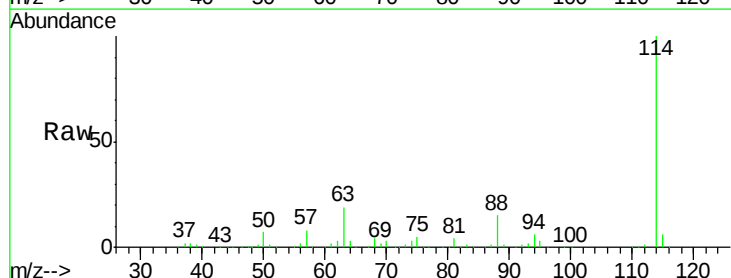
Tgt Ion: 114 Resp: 450725

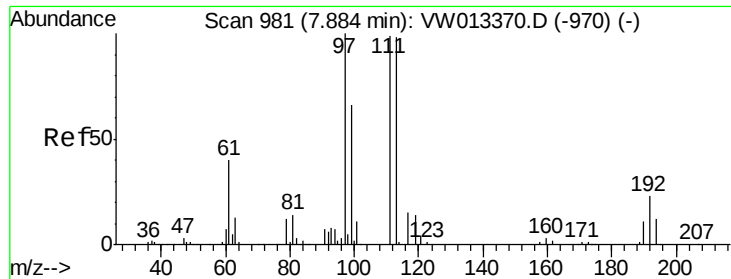
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.346 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

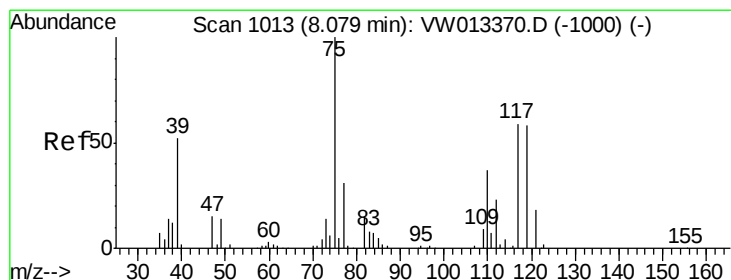
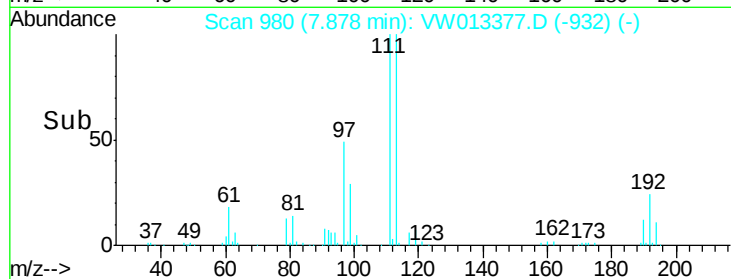
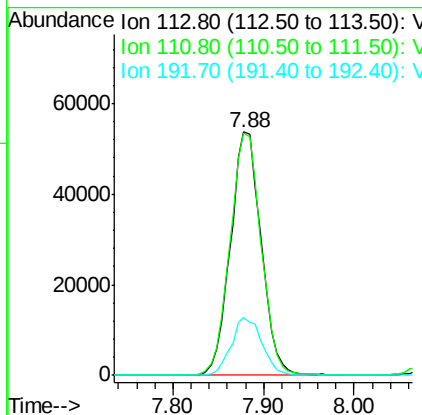
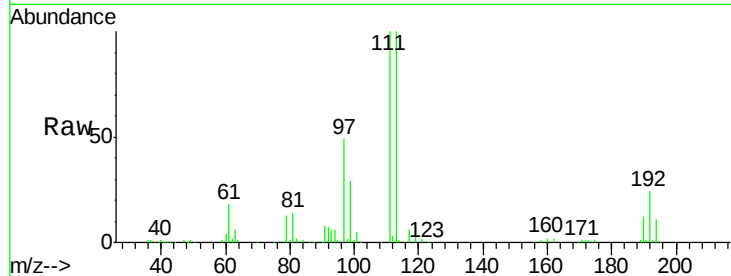
ClientSampleId :

VW1002SBS01

Tot Ion:	113	Resp:	126166
Ion Ratio	Lower	Upper	
113	100		
111	100.9	81.9	122.9
192	23.6	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.382 ug/l

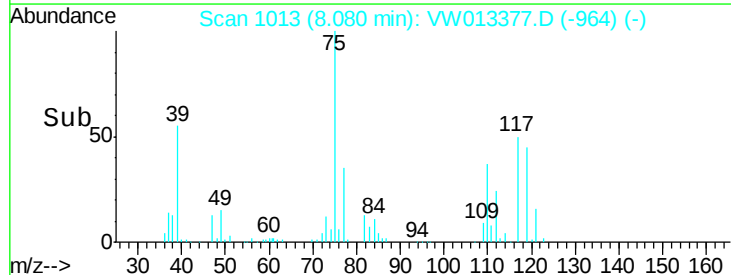
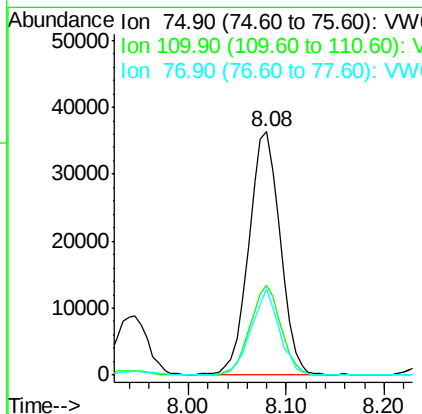
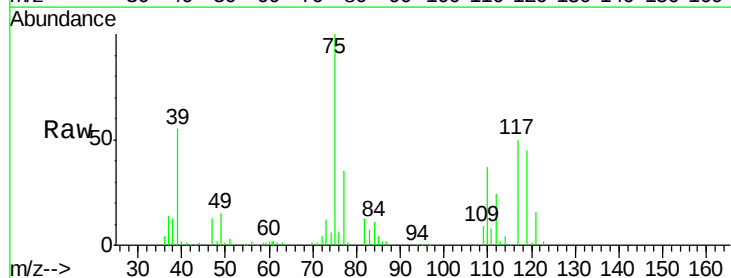
RT: 8.08 min Scan# 1013

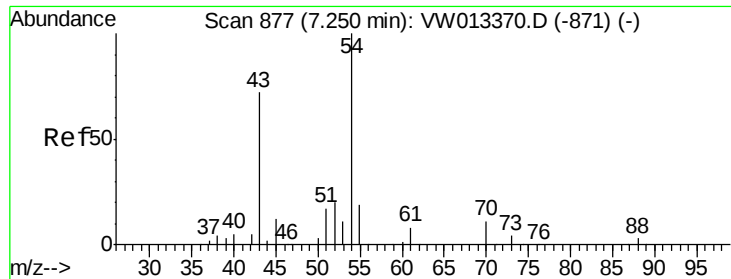
Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion:	75	Resp:	81139
Ion Ratio	Lower	Upper	
75	100		
110	36.4	18.1	54.3
77	31.7	25.8	38.6





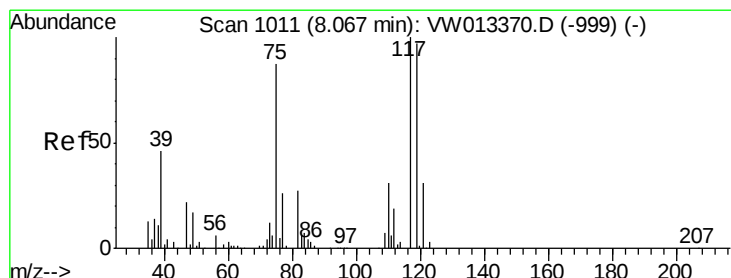
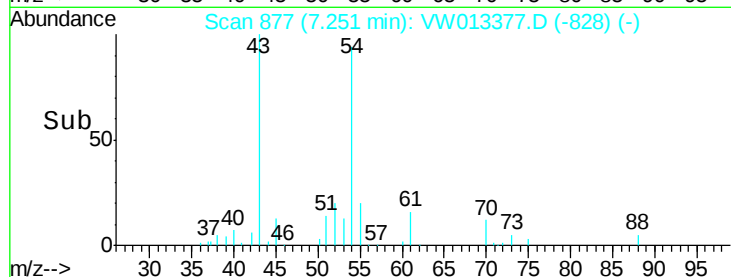
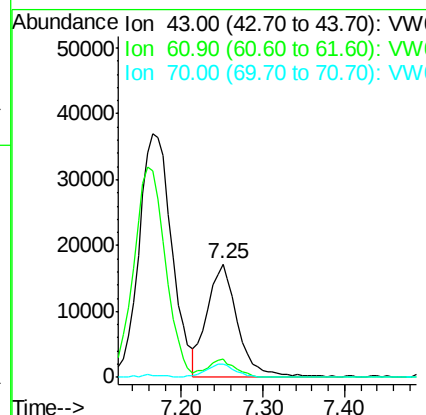
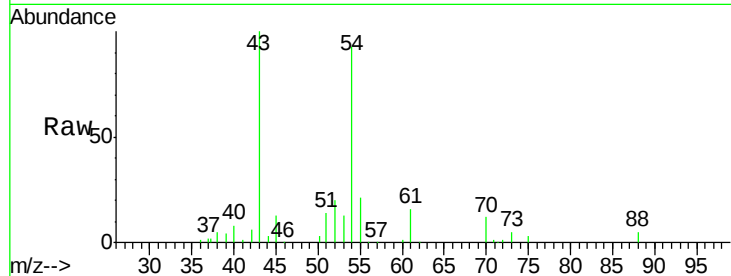
#37
Ethyl Acetate
Concen: 24.170 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.9	16.3
70	11.4	8.2	12.2

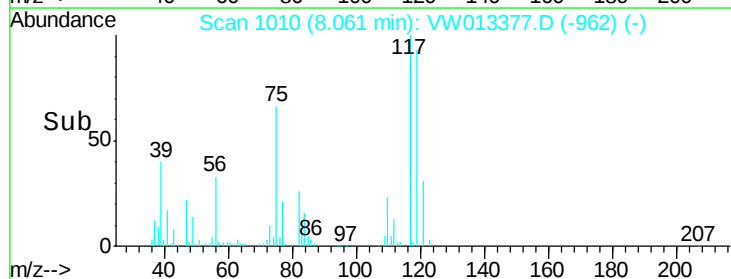
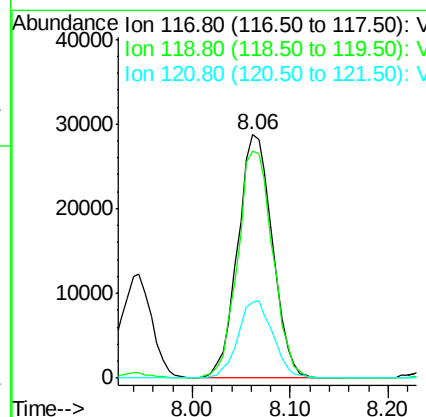
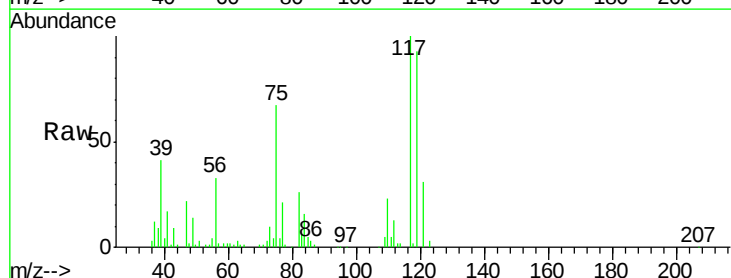
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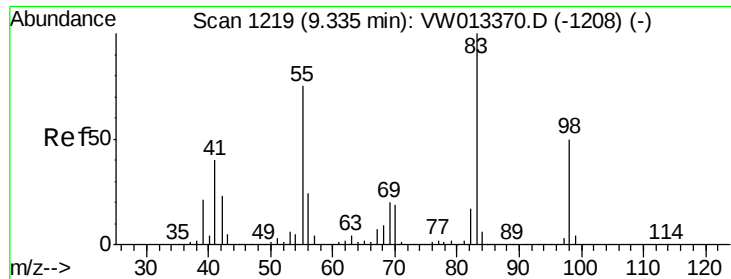
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.527 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	73.5	110.3
121	31.0	25.0	37.6





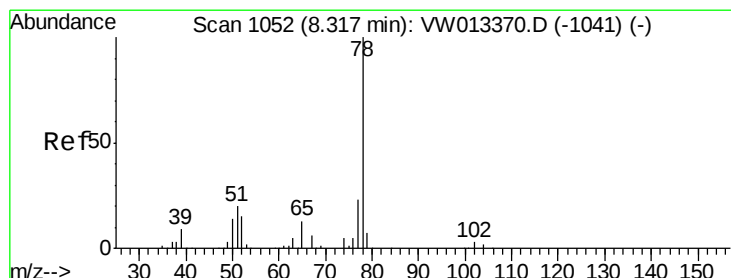
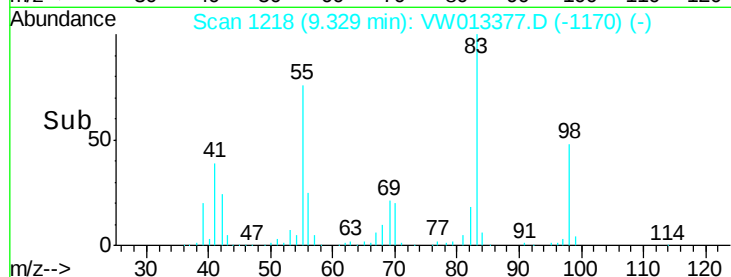
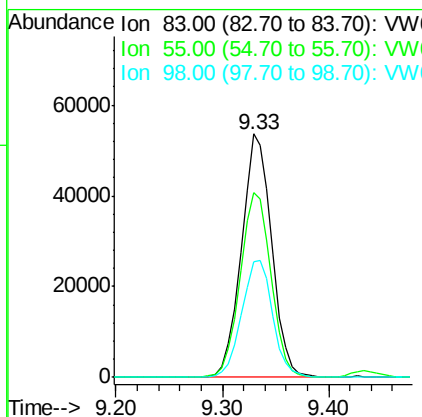
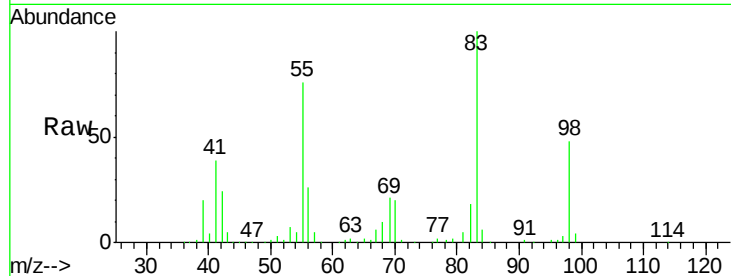
#39
Methvlcvclohexane
Concen: 19.399 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.4	90.6
98	47.6	40.0	60.0

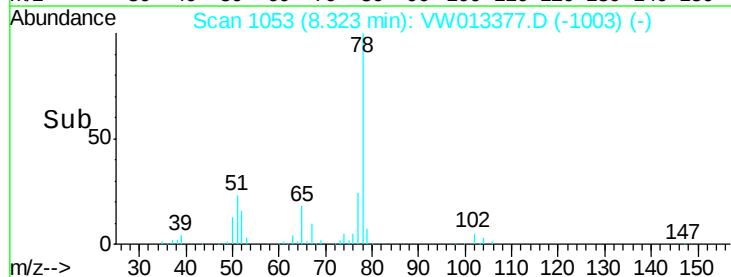
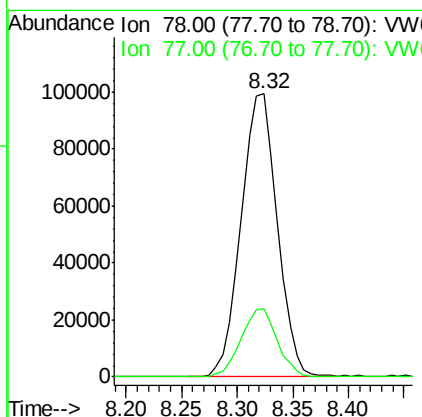
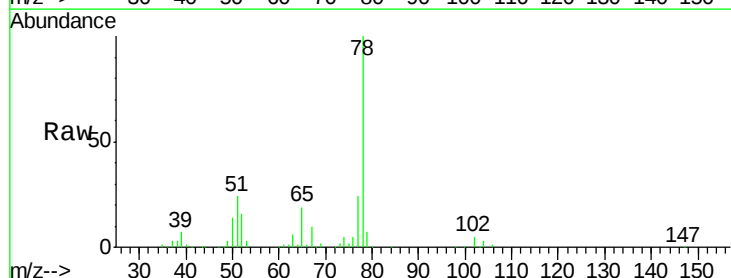
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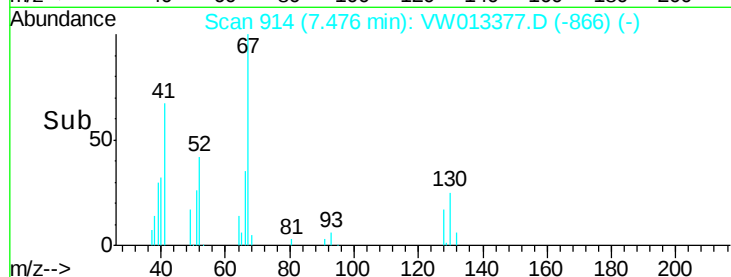
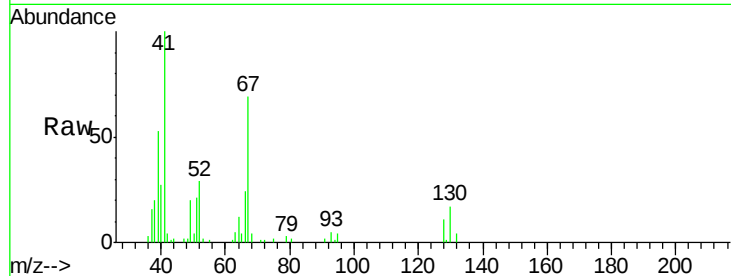
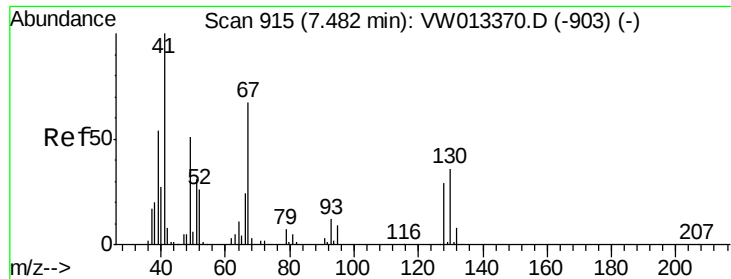
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#40
Benzene
Concen: 19.000 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





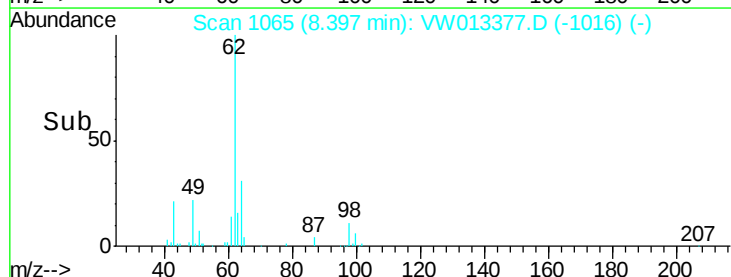
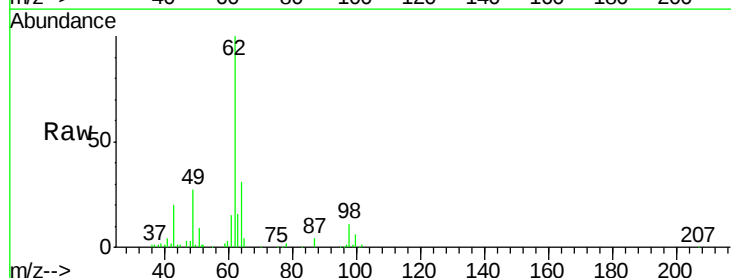
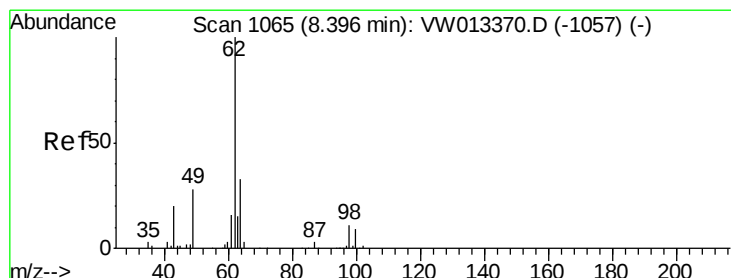
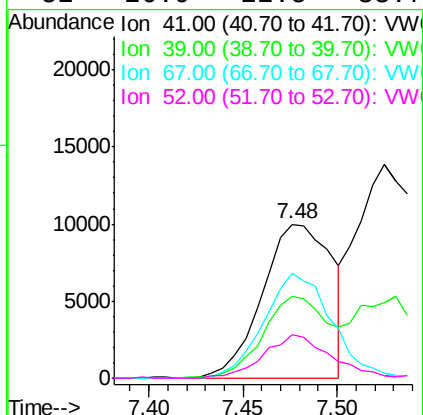
#41
Methacrylonitrile
Concen: 23.024 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.0	45.9	68.9	
67	66.7	54.5	81.7	
52	26.9	22.5	33.7	

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

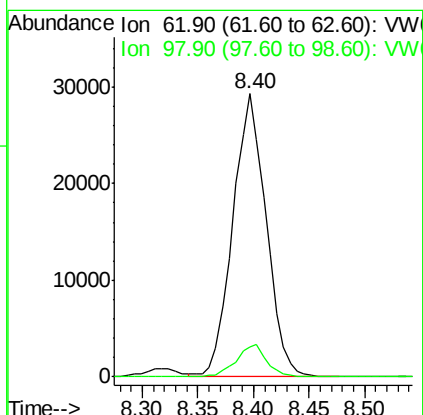
Manual Integrations
APPROVED

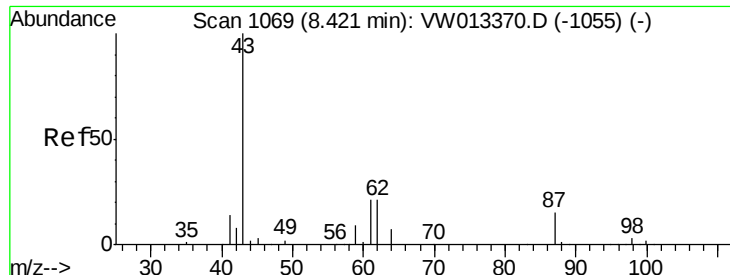
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.036 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.6	





#43

Isopropyl Acetate

Concen: 21.707 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

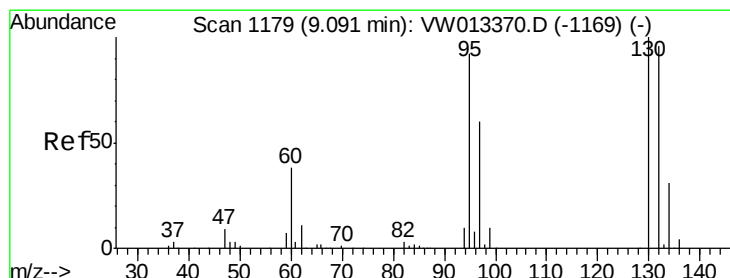
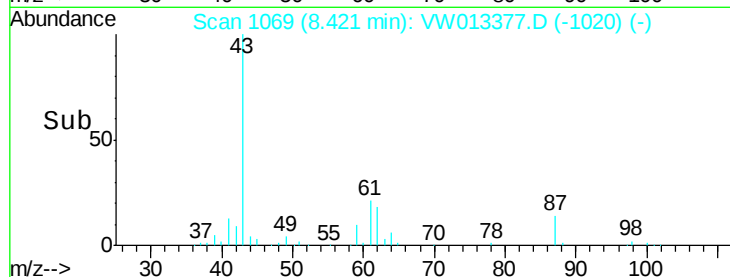
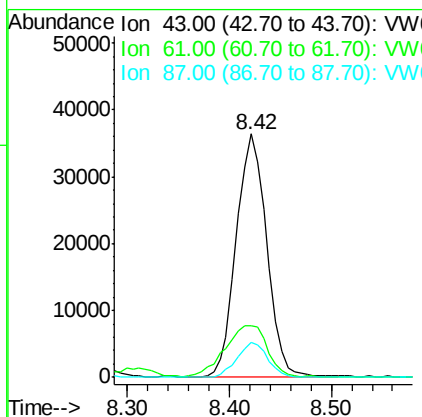
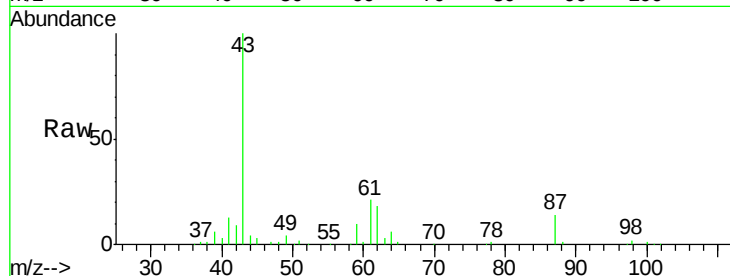
ClientSampleId :

VW1002SBS01

Tot Ion:	43	Resp:	75485
Ion	Ratio	Lower	Upper
43	100		
61	29.2	25.5	38.3
87	14.3	11.0	16.4

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#44

Trichloroethene

Concen: 18.905 ug/l

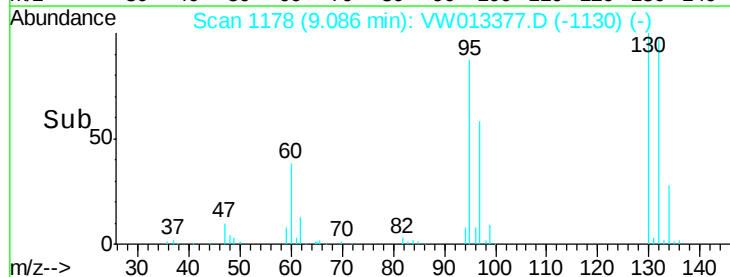
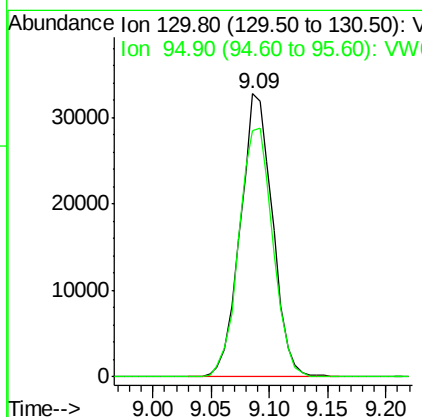
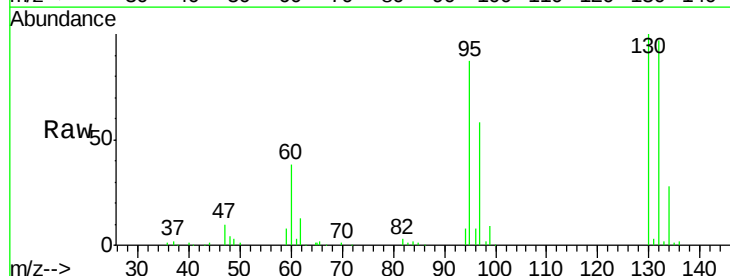
RT: 9.09 min Scan# 1178

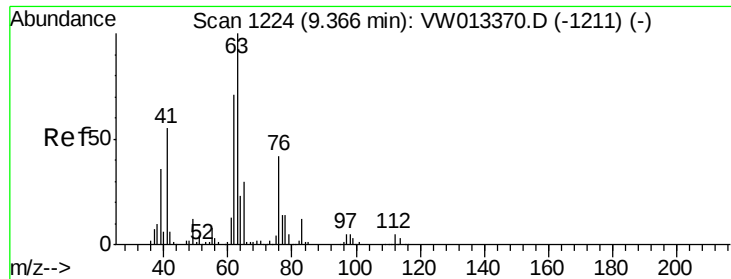
Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion:	130	Resp:	63090
Ion	Ratio	Lower	Upper
130	100		
95	87.0	0.0	188.0





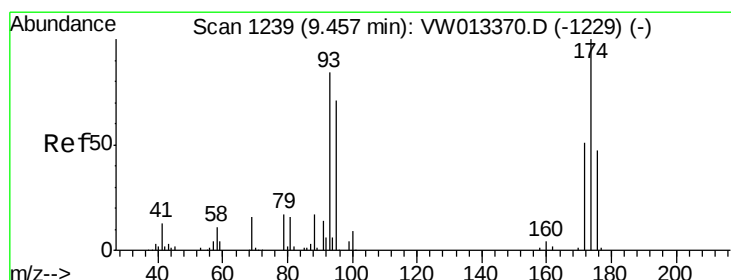
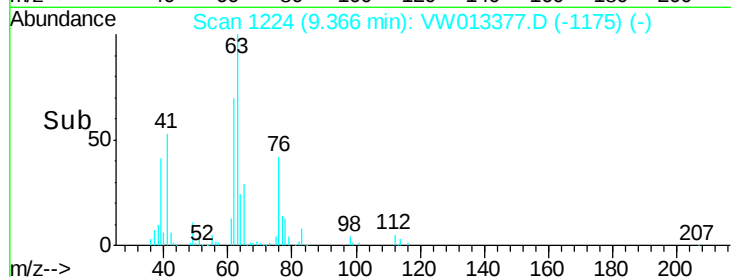
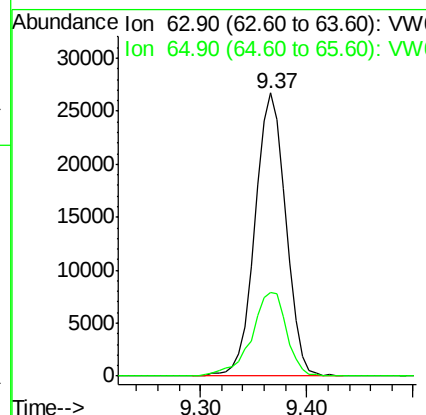
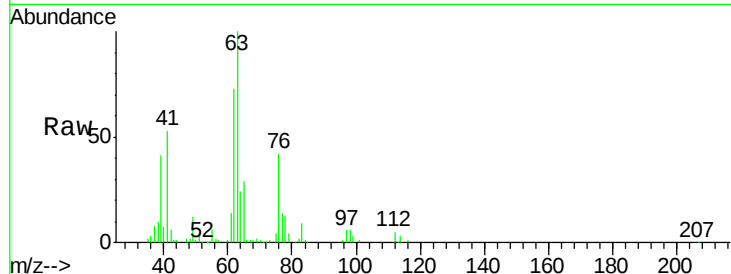
#45
 1,2-Dichloropropane
 Concen: 19.102 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion: 63 Resp: 54353
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.3 37.9

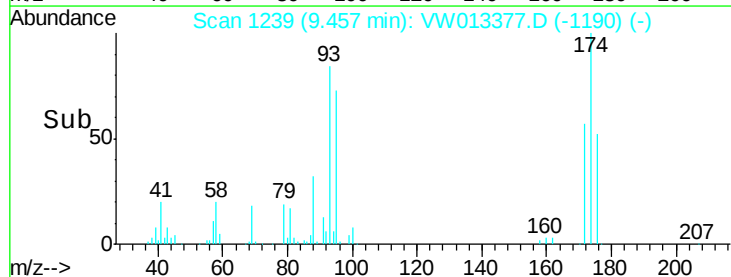
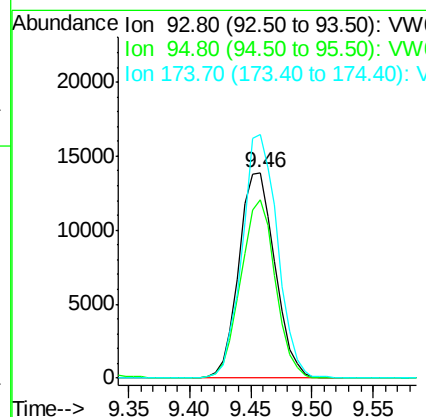
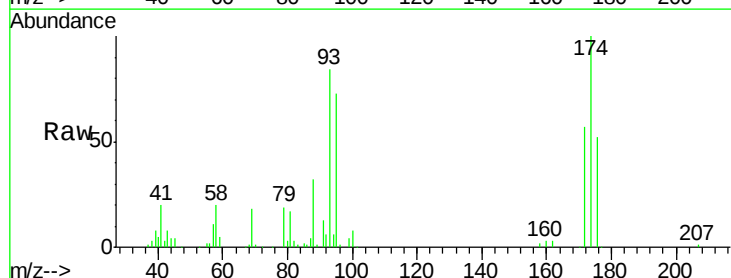
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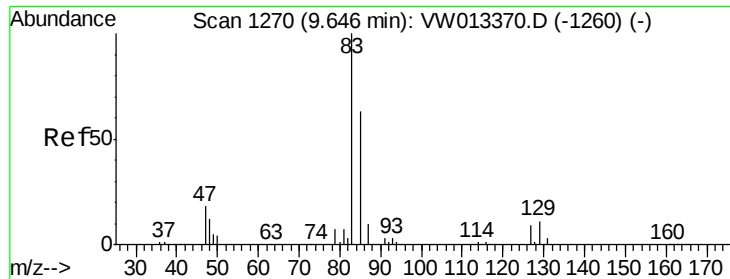
MMDadoda
 10/4/2019 12:11:30 PM



#46
 Dibromomethane
 Concen: 20.063 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion: 93 Resp: 28434
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.4 99.6
 174 116.4 93.0 139.6





#47

Bromodichloromethane

Concen: 18.787 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

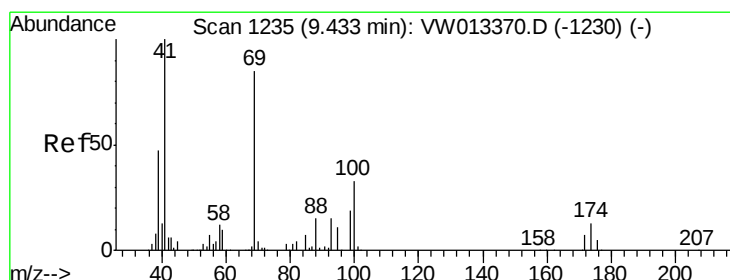
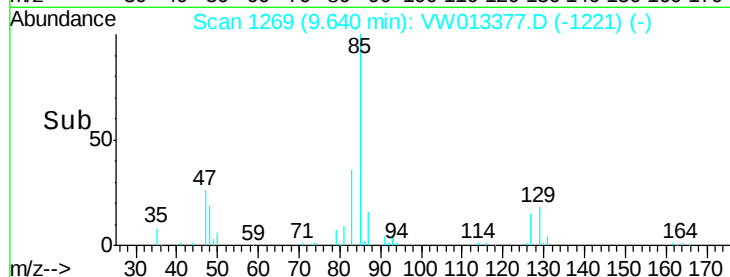
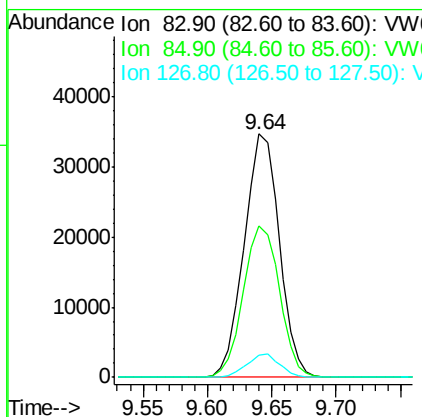
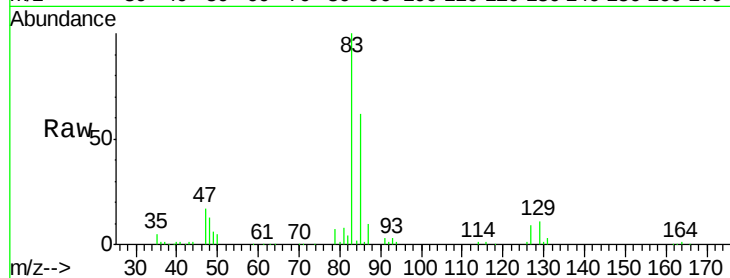
ClientSampleId :

VW1002SBS01

Tot Ion:	83	Resp:	65545
Ion	Ratio	Lower	Upper
83	100		
85	62.3	49.4	74.2
127	9.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.438 ug/l

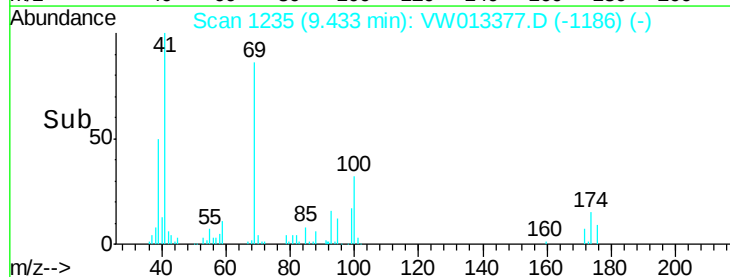
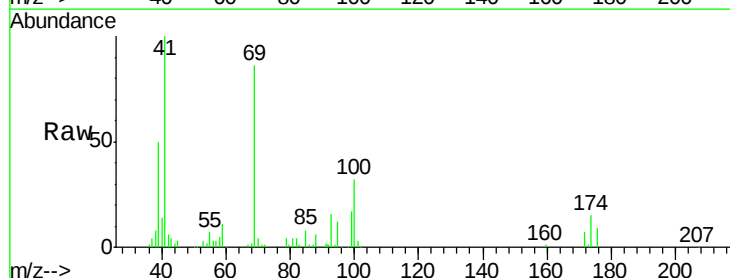
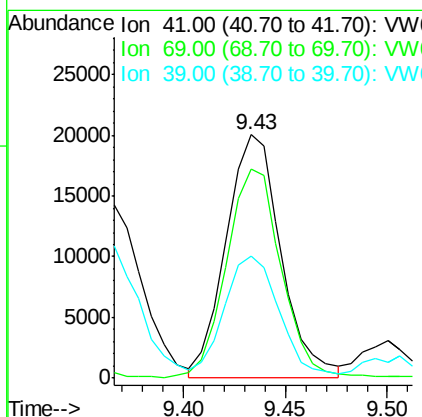
RT: 9.43 min Scan# 1235

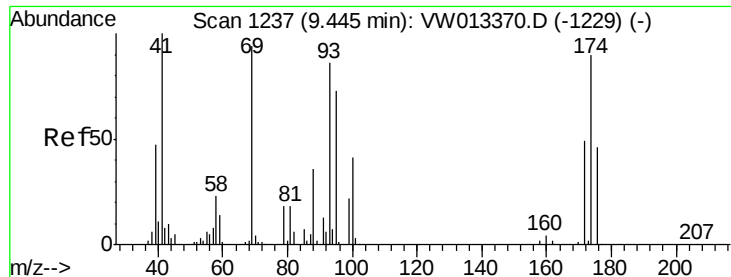
Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion:	41	Resp:	37490
Ion	Ratio	Lower	Upper
41	100		
69	84.7	69.7	104.5
39	46.9	41.1	61.7





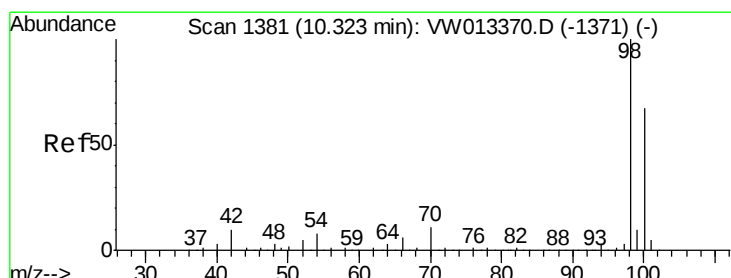
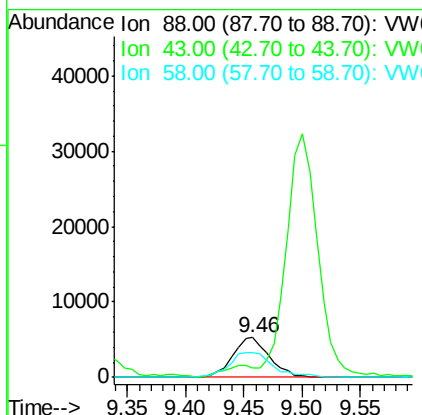
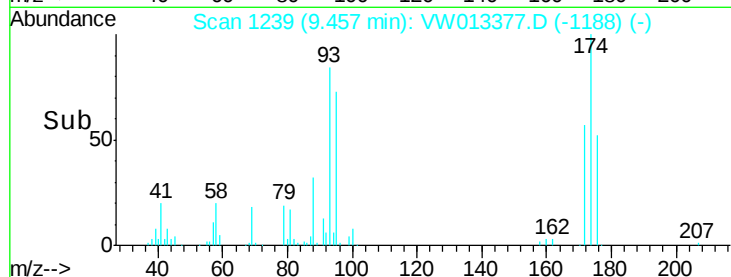
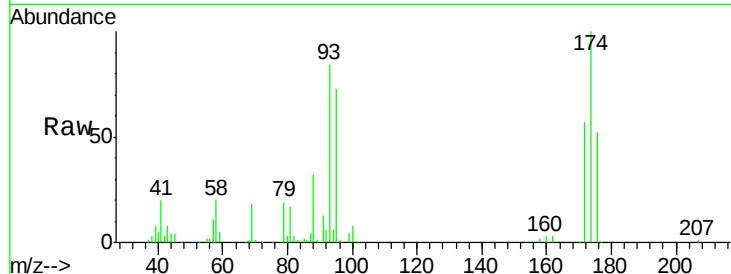
#49
1,4-Dioxane
Concen: 520.482 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion: 88 Resp: 11594
Ion Ratio Lower Upper
88 100
43 26.2 0.0 0.0#
58 73.4 65.4 98.0

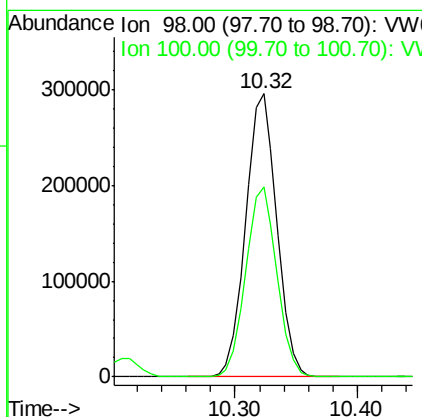
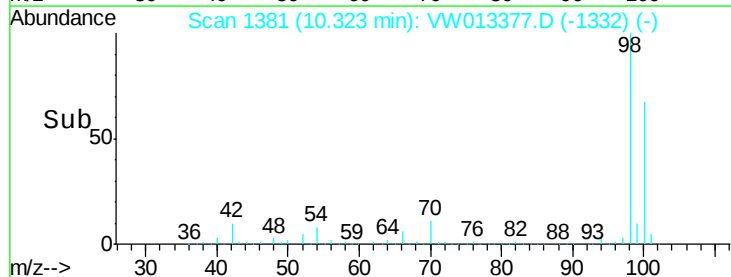
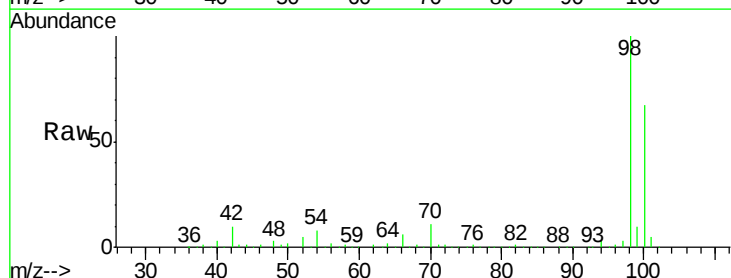
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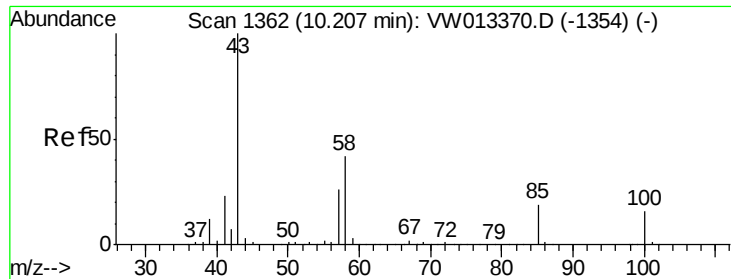
MMDadoda
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#50
Toluene-d8
Concen: 53.268 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 98 Resp: 522802
Ion Ratio Lower Upper
98 100
100 66.9 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 112.248 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VW1002SBS01

Tot Ion: 43 Resp: 205079

Ion Ratio Lower Upper

43 100

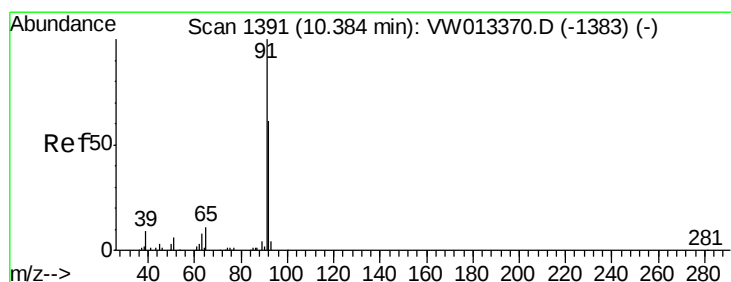
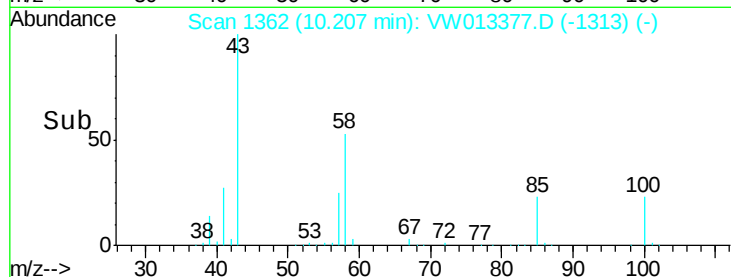
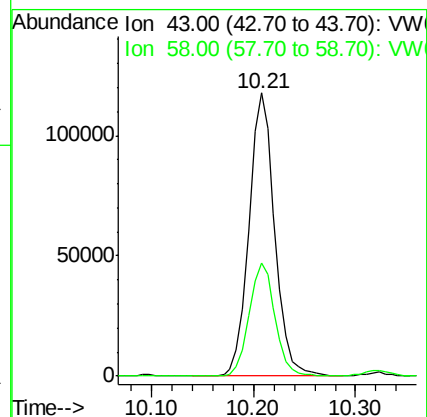
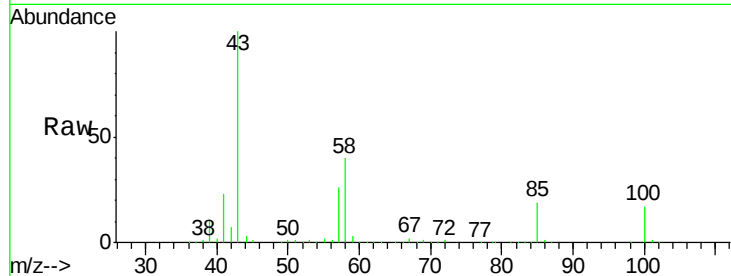
58 40.3 31.7 47.5

Manual Integrations

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#52

Toluene

Concen: 19.045 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013377.D

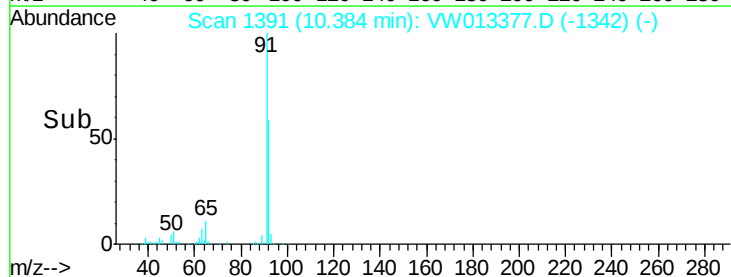
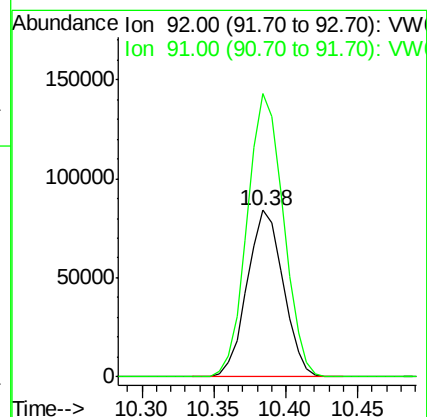
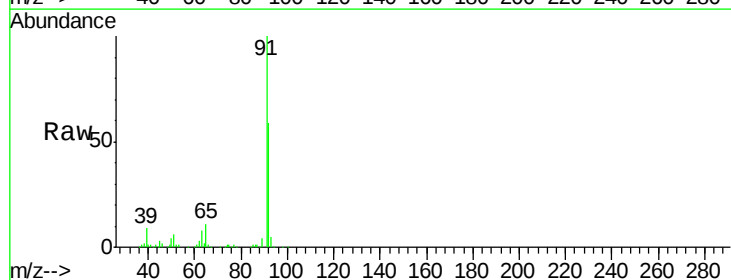
Acq: 02 Oct 2019 14:45

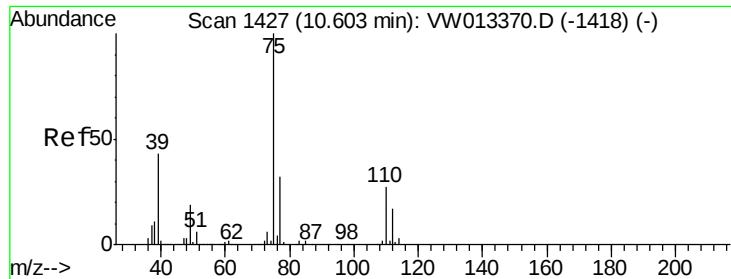
Tgt Ion: 92 Resp: 145575

Ion Ratio Lower Upper

92 100

91 170.9 135.7 203.5





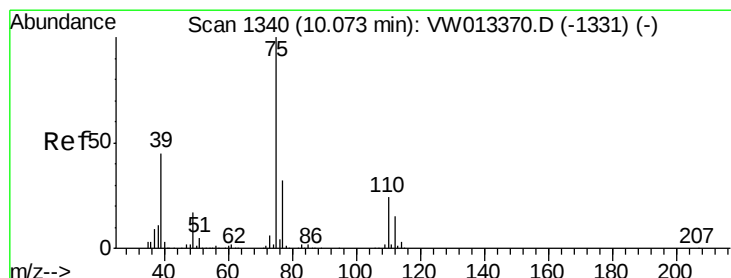
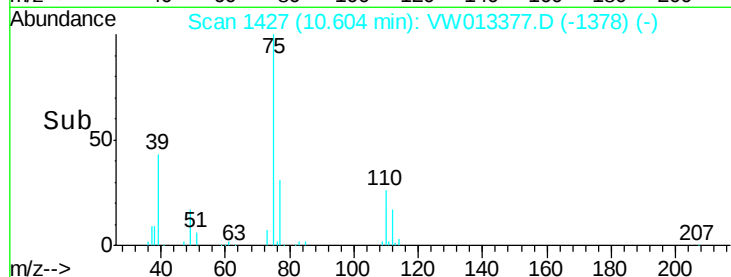
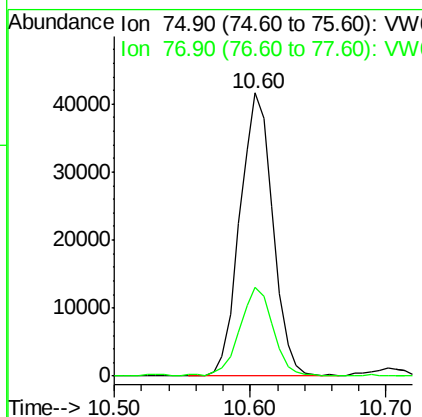
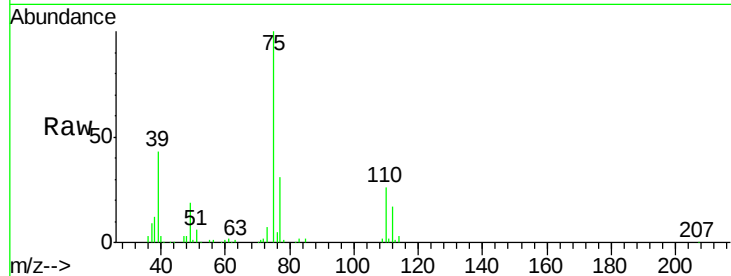
#53
 t-1,3-Dichloropropene
 Concen: 19.458 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion: 75 Resp: 70613
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.5 38.3

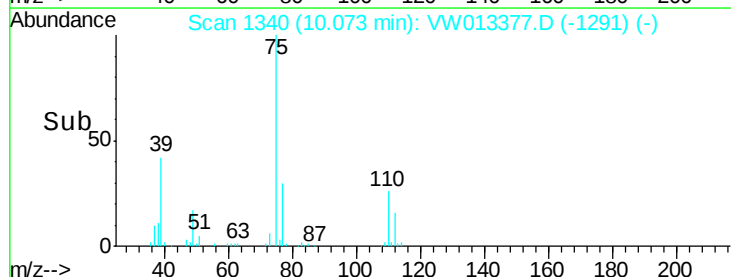
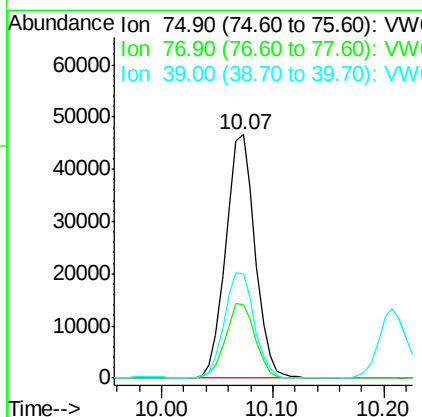
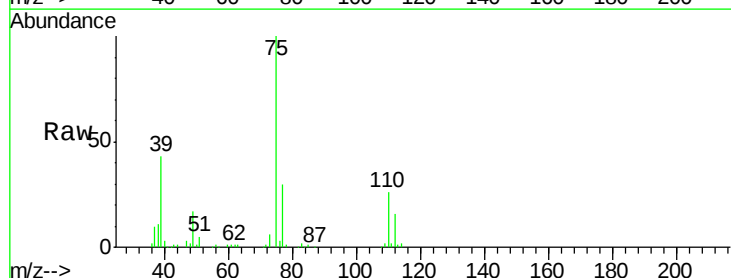
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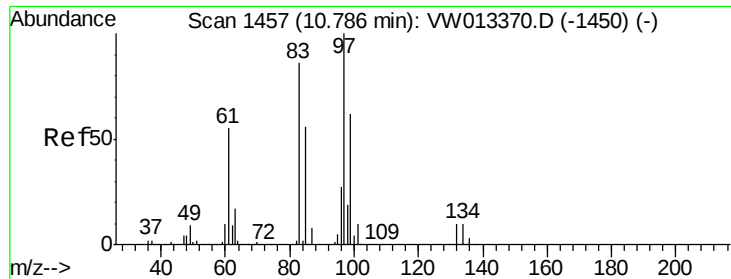
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#54
 cis-1,3-Dichloropropene
 Concen: 19.224 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion: 75 Resp: 84584
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.2 37.8
 39 42.5 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 20.530 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

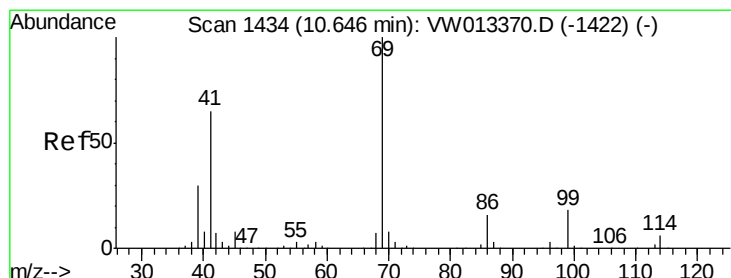
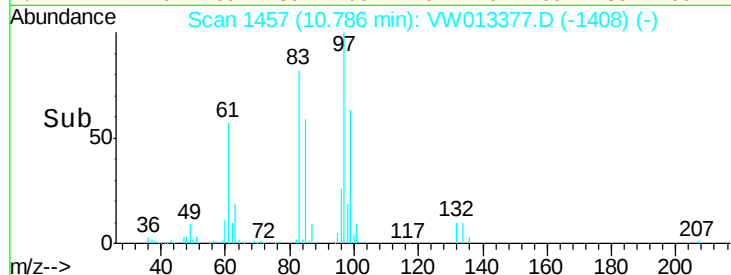
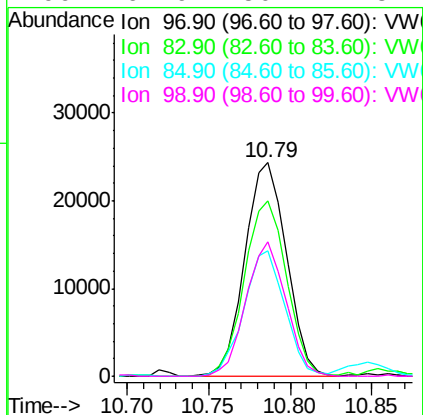
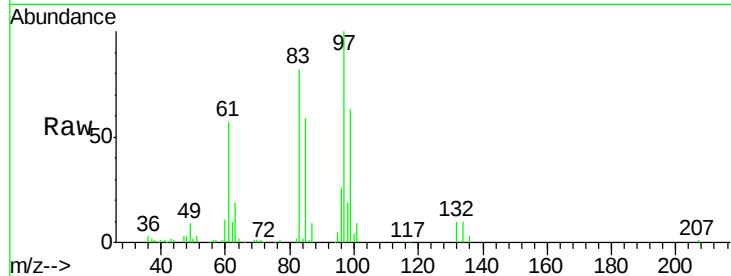
ClientSampleId :

VW1002SBS01

Tot Ion:	97	Resp:	43405
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.6	101.4
85	58.9	41.9	62.9
99	62.9	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 21.067 ug/l

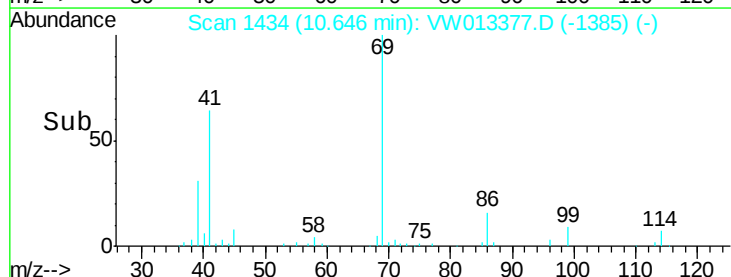
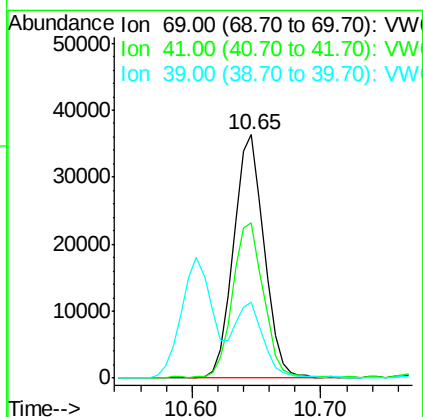
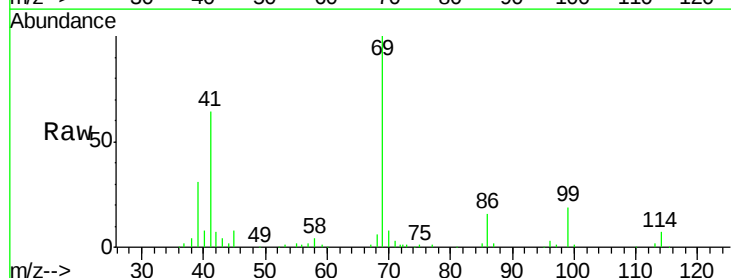
RT: 10.65 min Scan# 1434

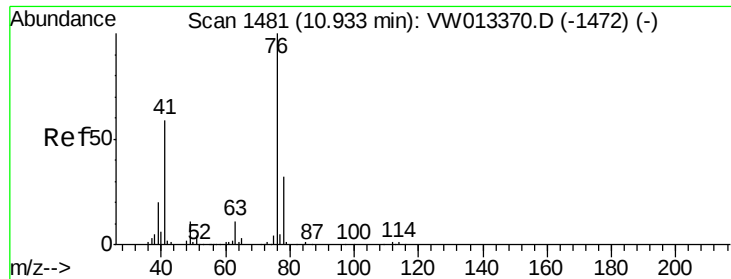
Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion:	69	Resp:	59951
Ion	Ratio	Lower	Upper
69	100		
41	64.1	53.9	80.9
39	27.2	23.8	35.6





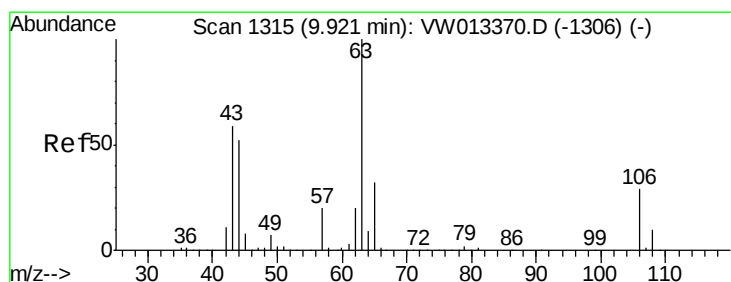
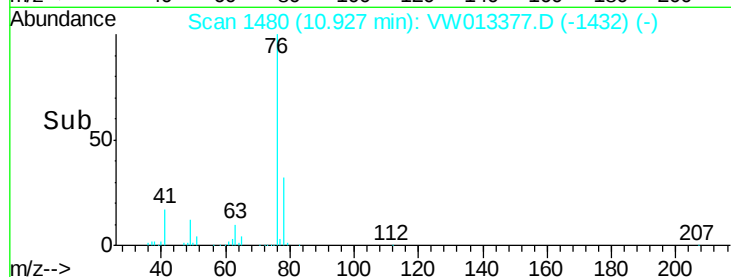
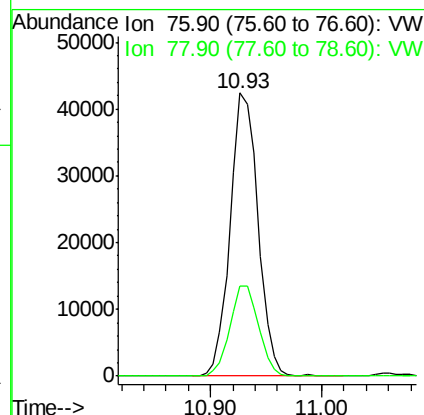
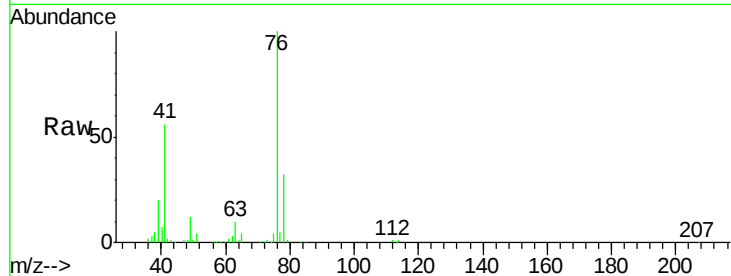
#57
 1,3-Dichloropropane
 Concen: 20.021 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion: 76 Resp: 73587
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.5 38.3

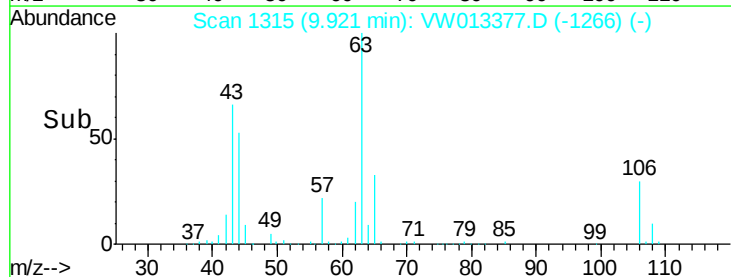
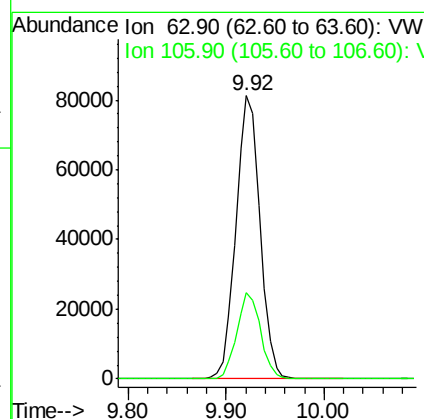
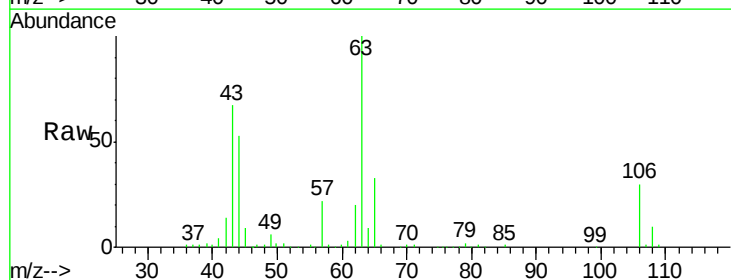
Manual Integrations
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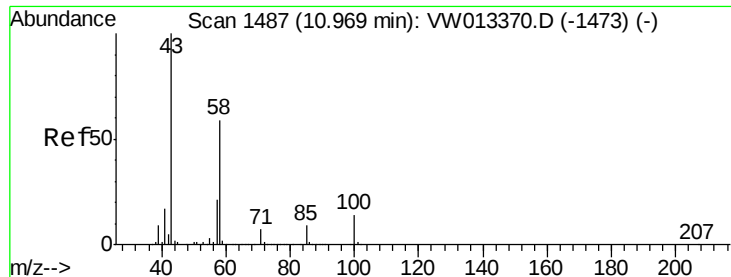
MMDadoda
 10/4/2019 12:11:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.637 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion: 63 Resp: 138680
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0





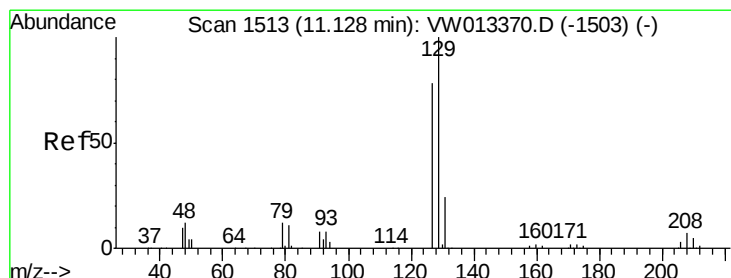
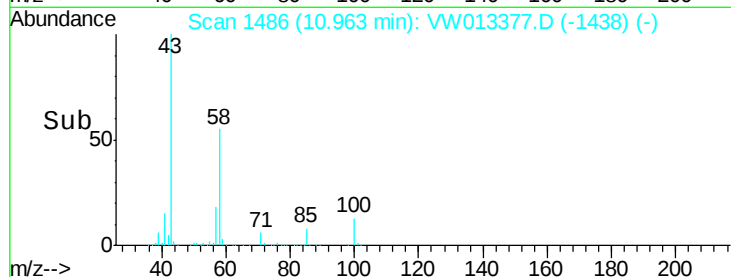
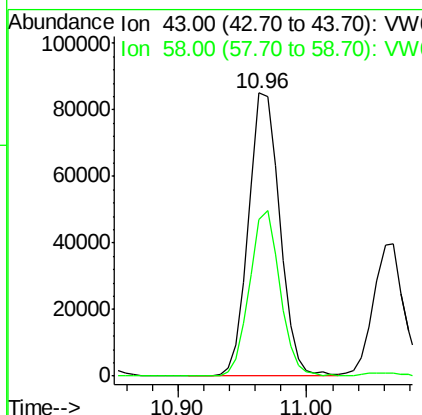
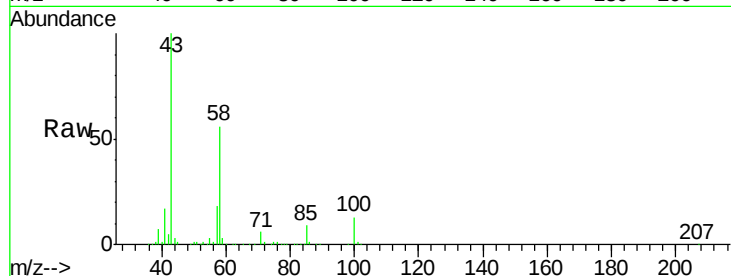
#59
2-Hexanone
Concen: 113.065 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion: 43 Resp: 143180
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.2

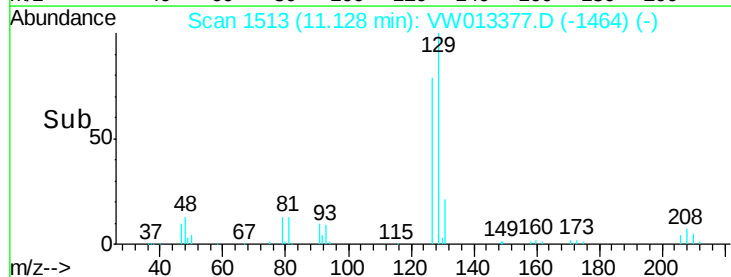
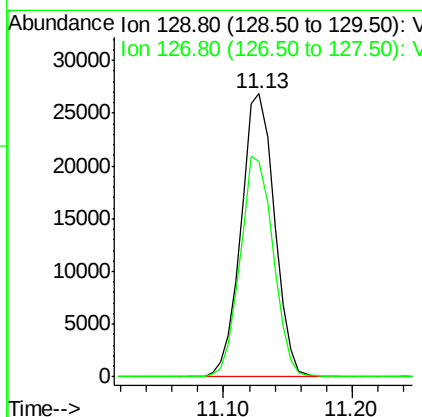
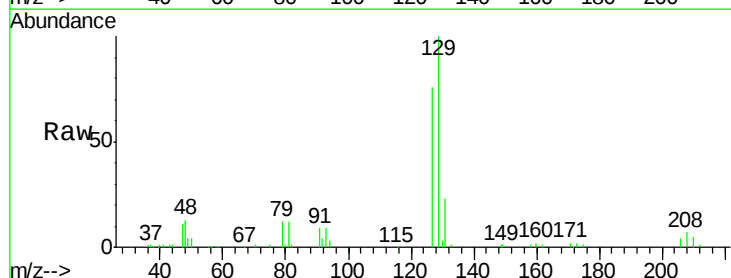
Manual Integrations
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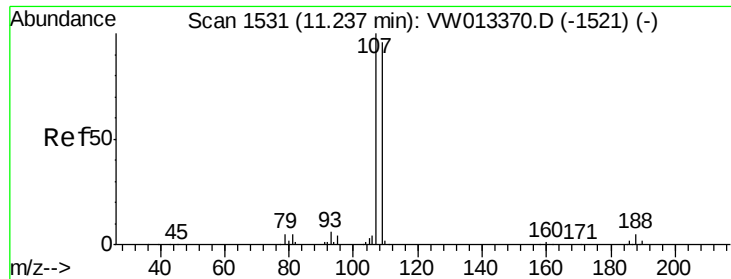
MMDadoda
10/4/2019 12:11:30 PM



#60
Dibromochloromethane
Concen: 19.917 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion: 129 Resp: 48172
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





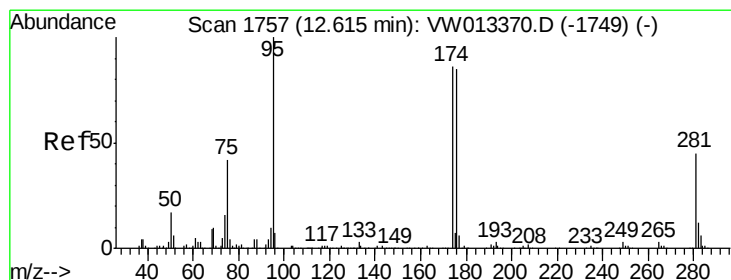
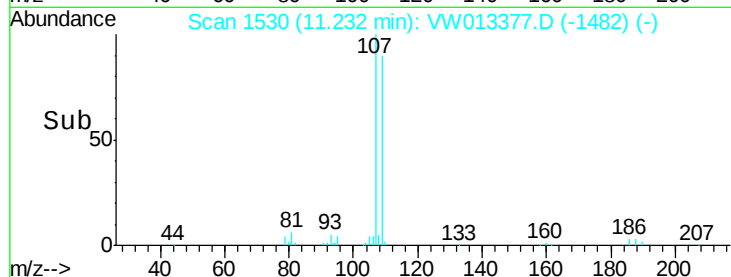
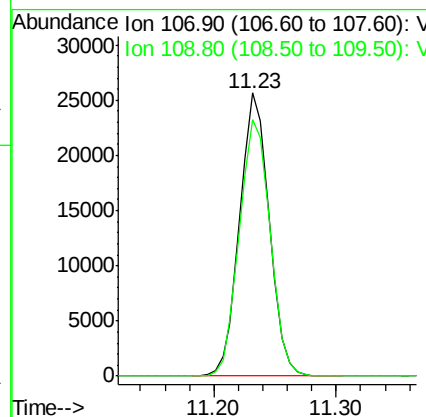
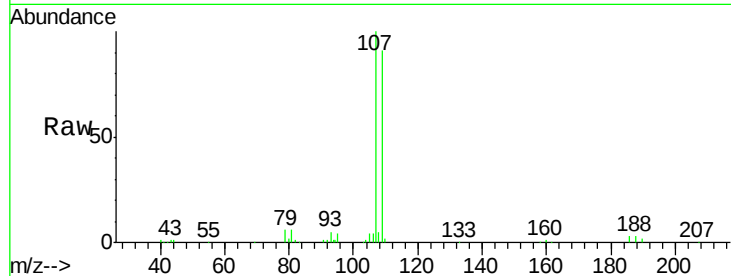
#61
 1,2-Dibromoethane
 Concen: 20.994 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion: 107 Resp: 42890
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.2 112.8

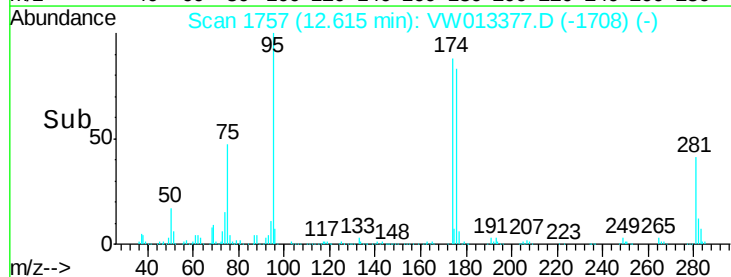
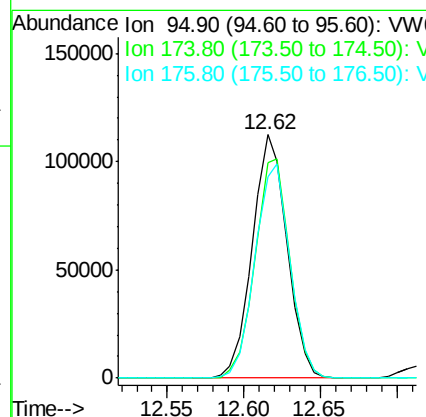
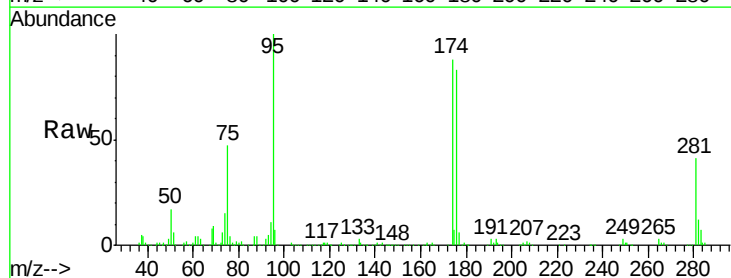
Manual Integrations
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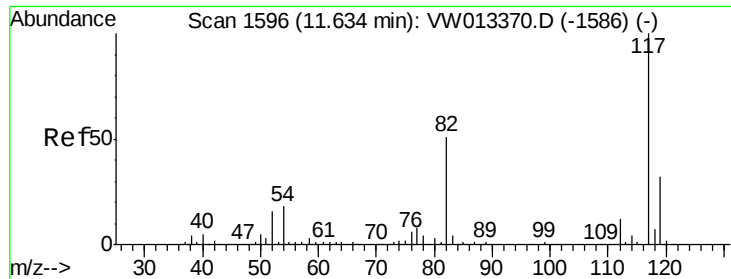
MMDadoda
 10/4/2019 12:11:30 PM



#62
 4-Bromofluorobenzene
 Concen: 54.137 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion: 95 Resp: 177432
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 178.4
 176 88.7 0.0 172.2





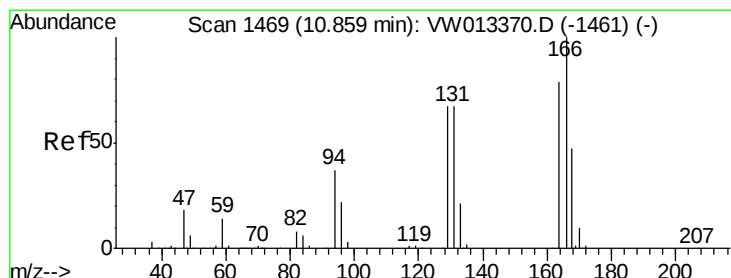
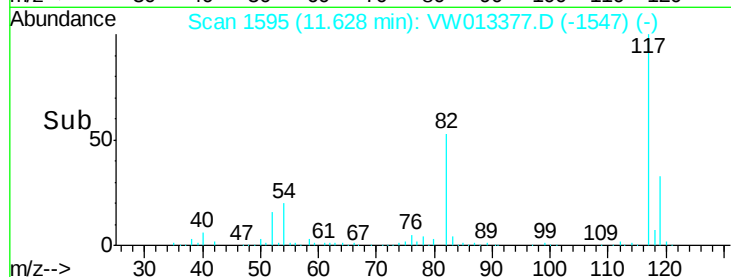
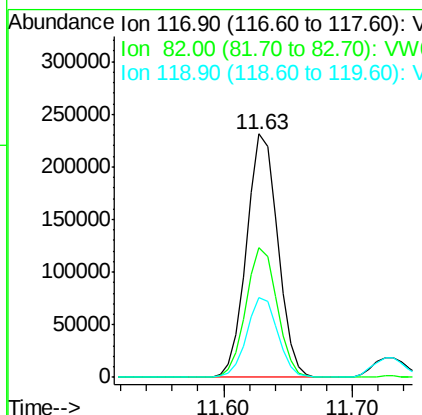
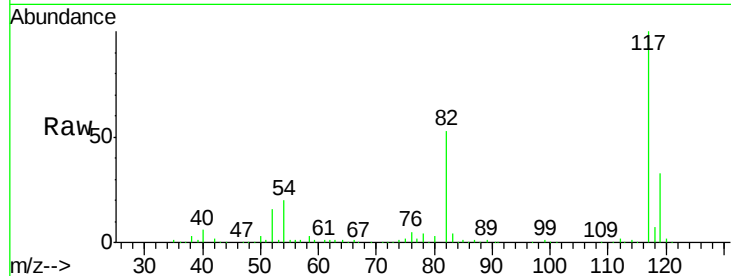
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.9	68.9
119	32.8	26.2	39.2

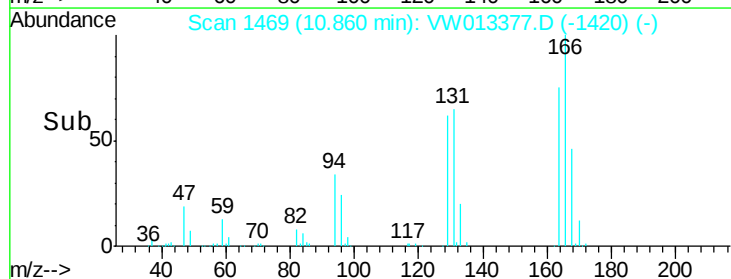
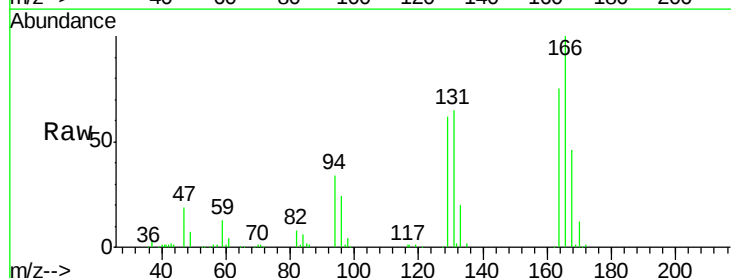
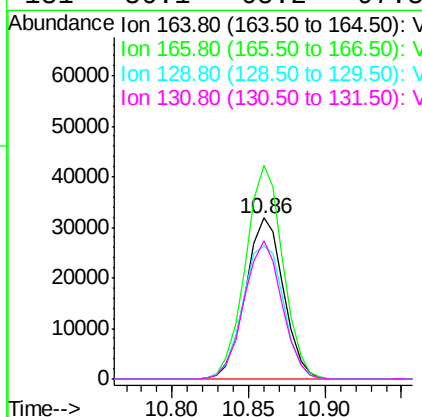
Manual Integrations
APPROVED

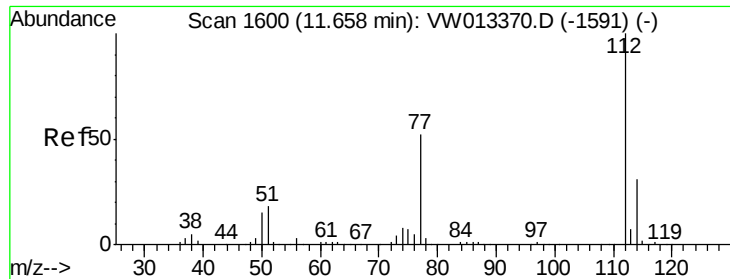
MMDadoda
10/4/2019 12:11:30 PM



#64
Tetrachloroethene
Concen: 18.691 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	101.2	151.8
129	82.9	68.8	103.2
131	86.1	65.2	97.8





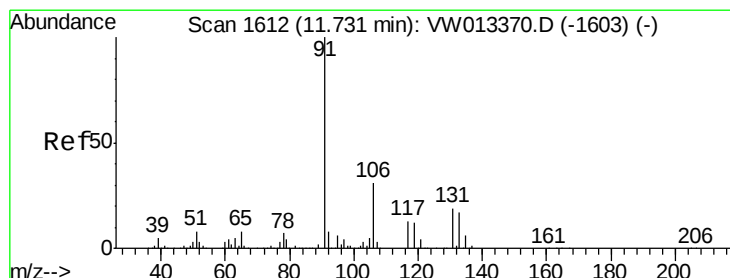
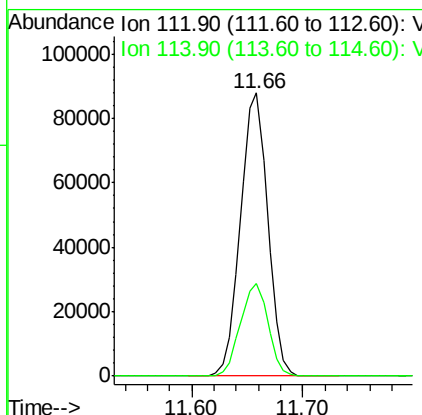
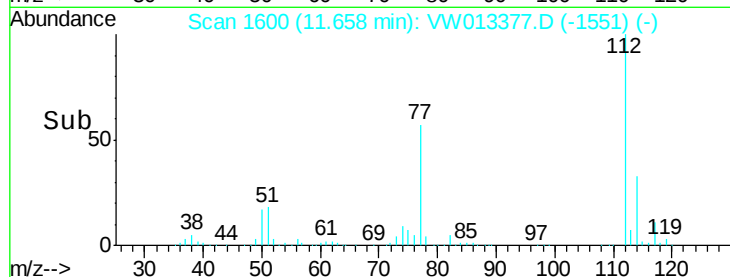
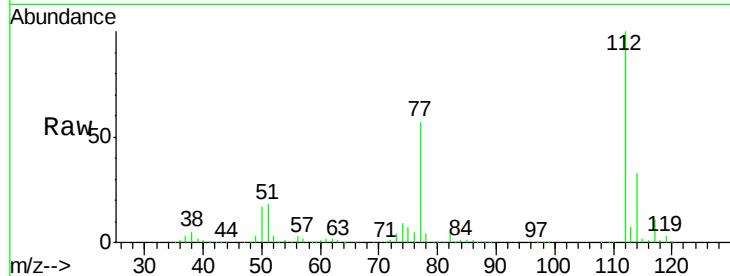
#65
Chlorobenzene
Concen: 18.914 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion:112 Resp: 149627
Ion Ratio Lower Upper
112 100
114 32.9 26.5 39.7

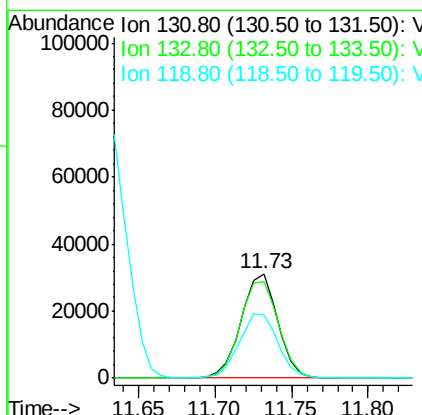
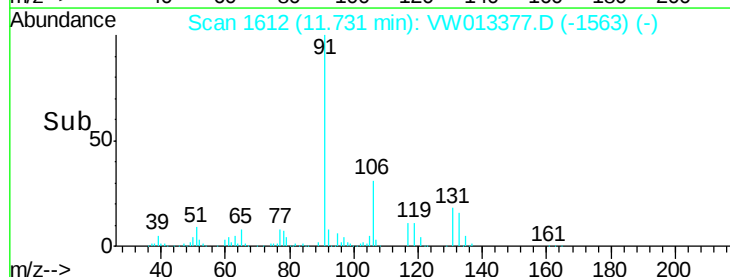
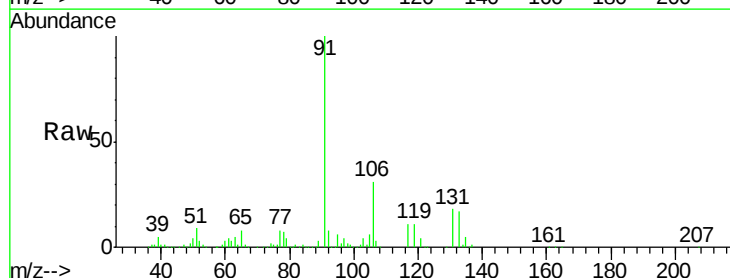
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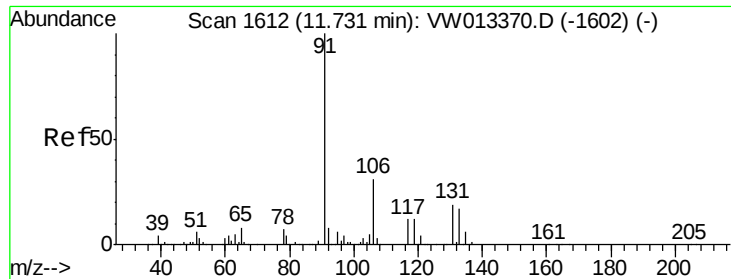
MMDadoda
10/4/2019 12:11:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.234 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion:131 Resp: 51825
Ion Ratio Lower Upper
131 100
133 97.2 47.5 142.6
119 64.6 32.5 97.5





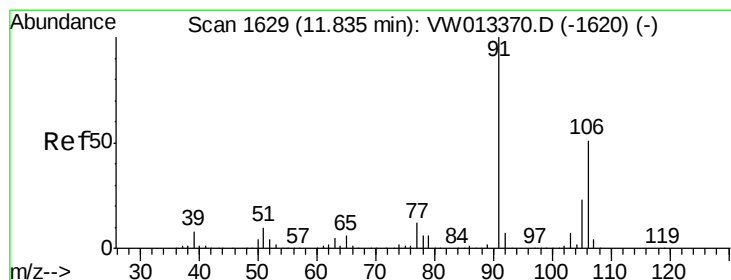
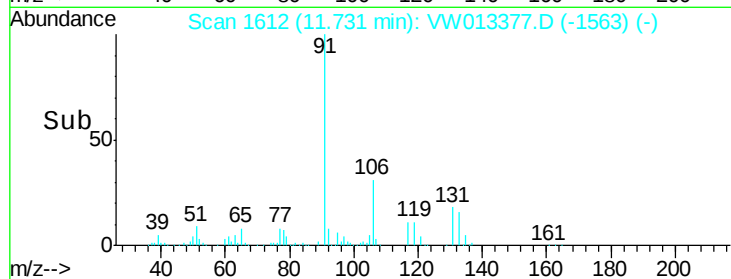
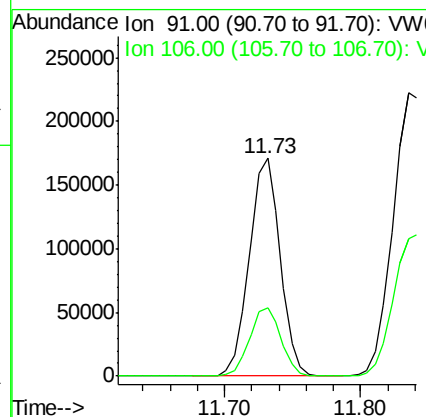
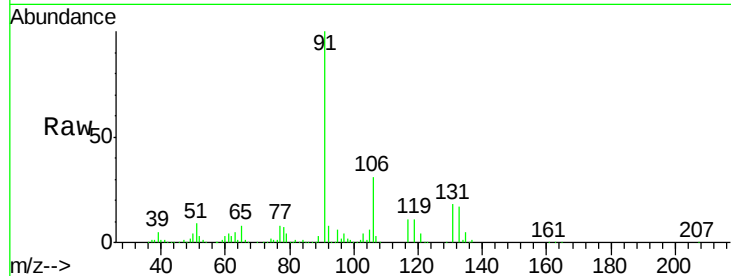
#67
Ethyl Benzene
Concen: 19.209 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.9	37.3

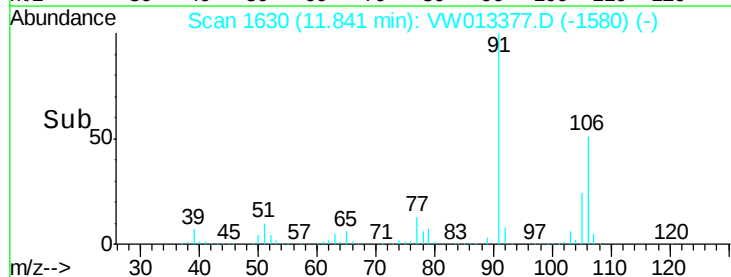
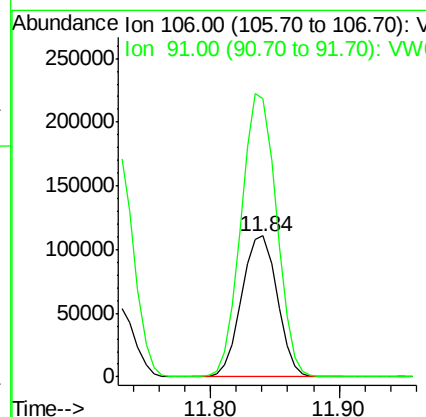
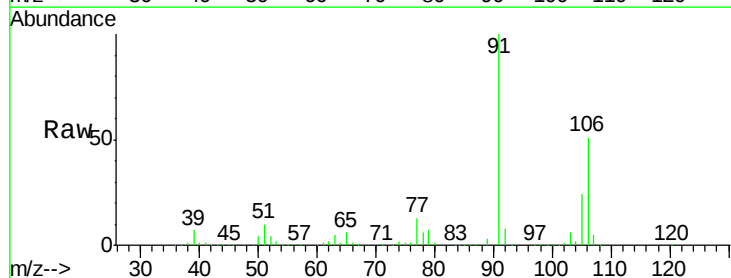
Manual Integrations
APPROVED

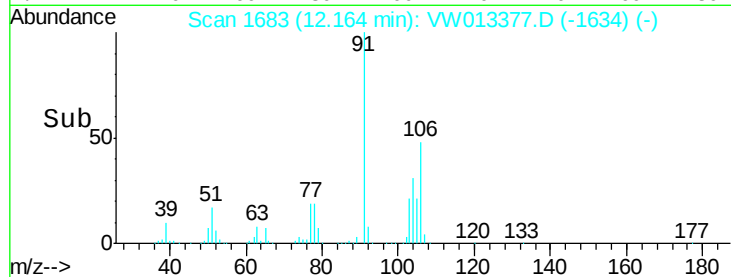
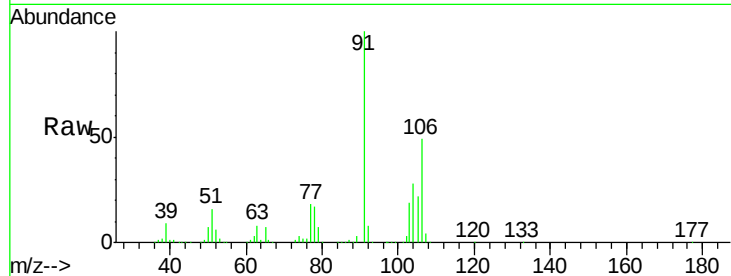
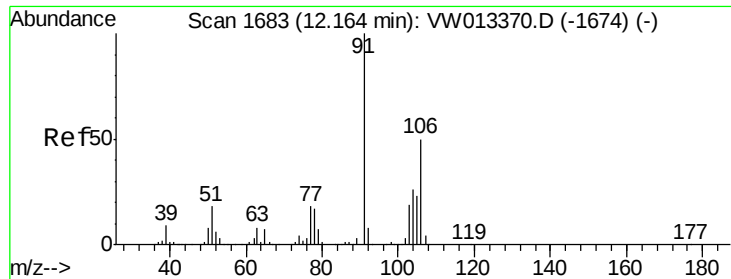
MMDadoda
10/4/2019 12:11:30 PM



#68
m/p-Xylenes
Concen: 38.813 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.7	157.9	236.9





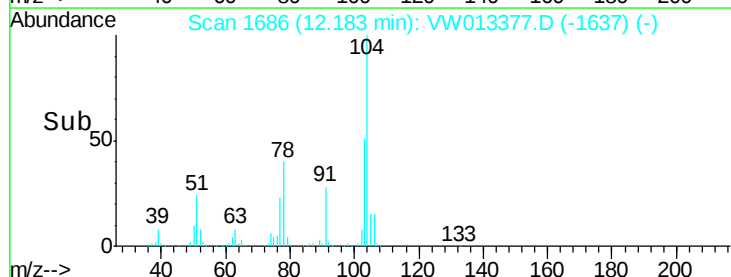
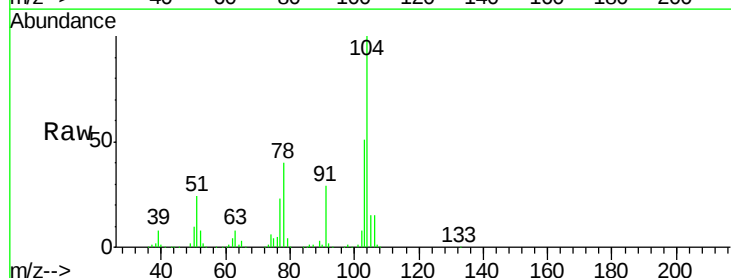
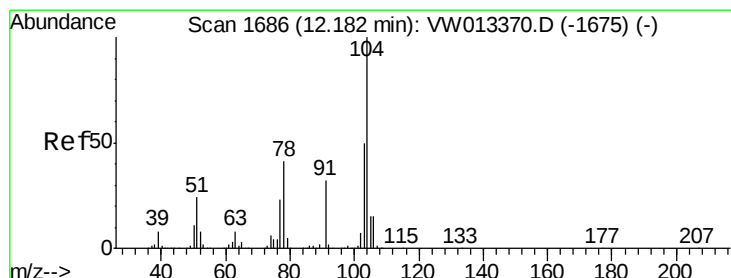
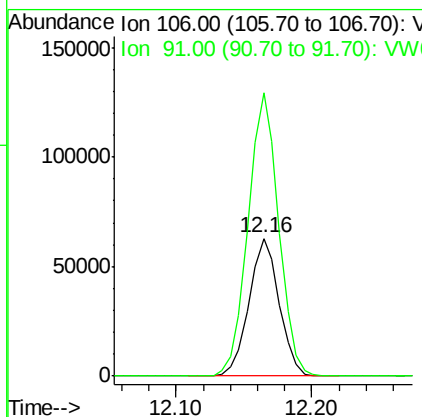
#69
o-Xylene
Concen: 19.357 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		97946		
91	208.0	106.5	319.5		

Instrument :
MSVOA_W
ClientSampled :
VW1002SBS01

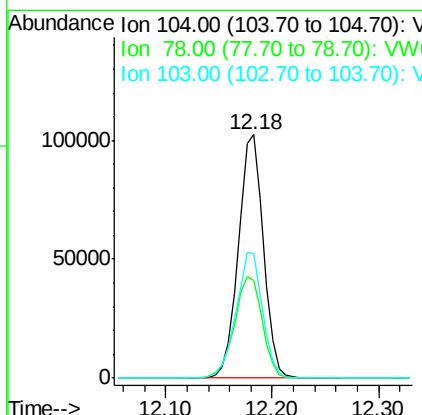
Manual Integrations
APPROVED

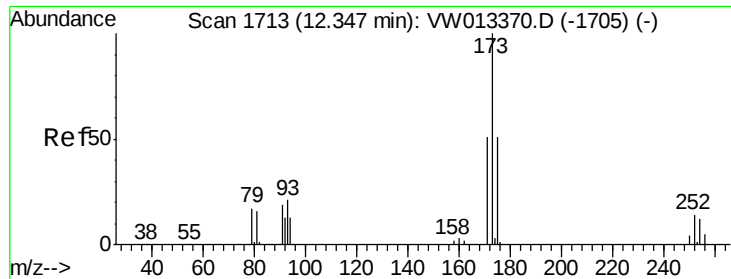
MMDadoda
10/4/2019 12:11:30 PM



#70
Styrene
Concen: 19.554 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		169135		
78	46.5	38.4	57.6		
103	54.7	43.3	64.9		





#71

Bromoform

Concen: 21.237 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

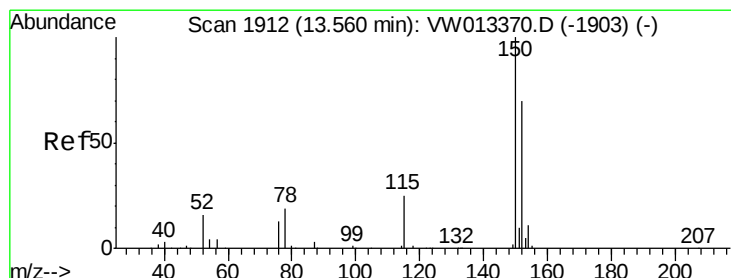
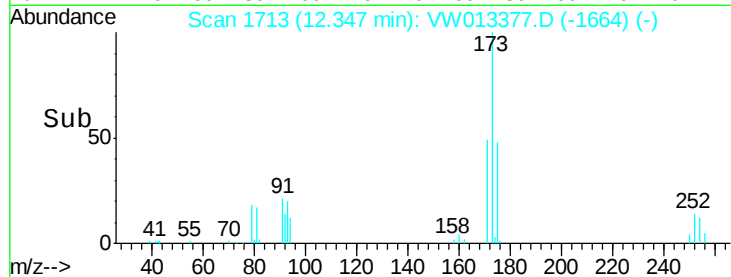
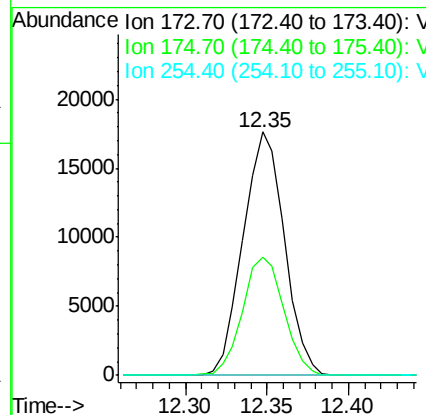
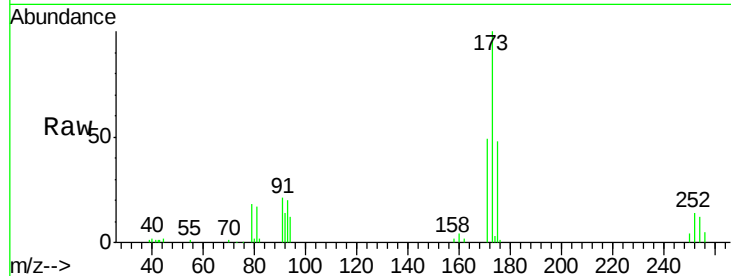
ClientSampleId :

VW1002SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

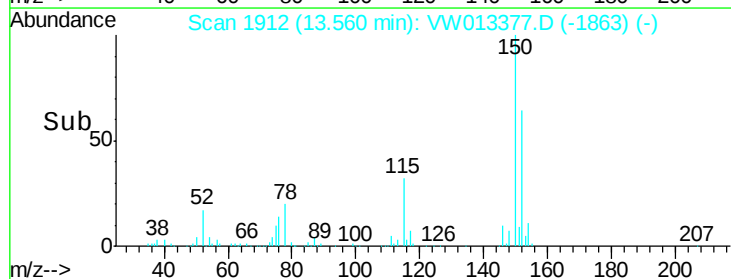
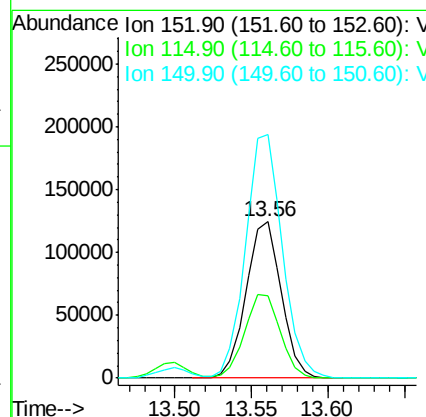
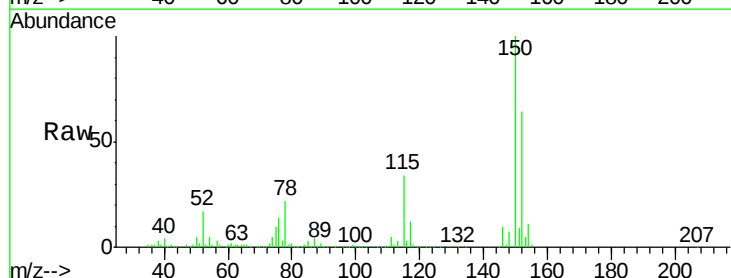
RT: 13.56 min Scan# 1912

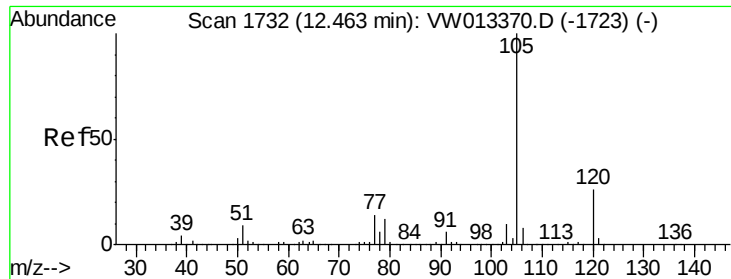
Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.3	81.9
150	163.6	0.0	349.0





#73

Isopropylbenzene

Concen: 19.047 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion: 105 Resp: 276560

Ion Ratio Lower Upper

105 100

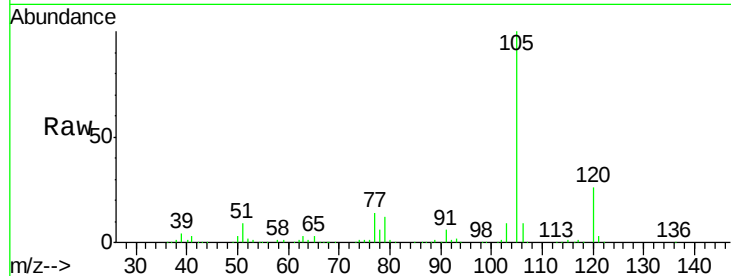
120 26.5 13.4 40.1

Manual Integrations

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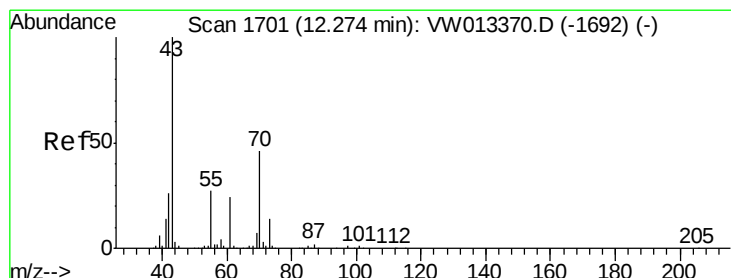
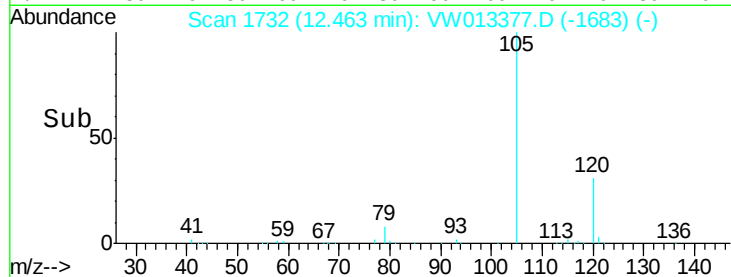
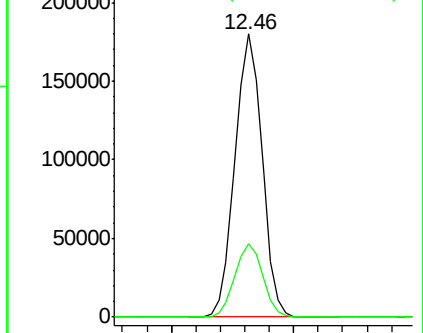
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.479 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion: 43 Resp: 66372

Ion Ratio Lower Upper

43 100

70 42.6 35.1 52.7

55 24.6 19.9 29.9

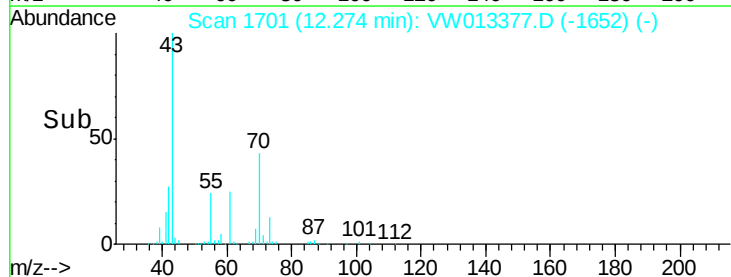
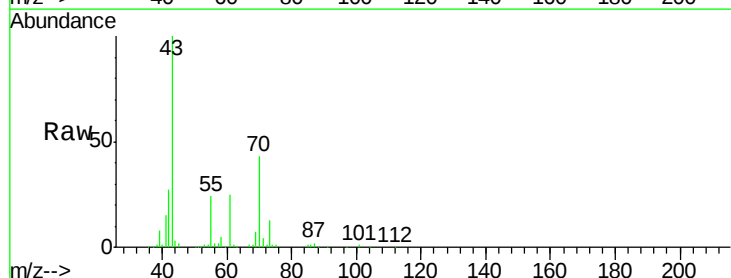
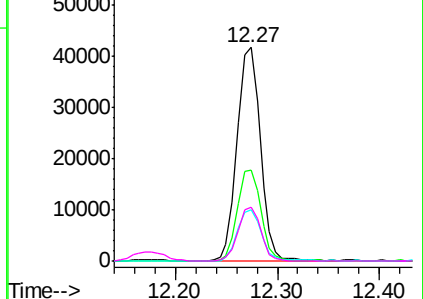
61 24.5 19.5 29.3

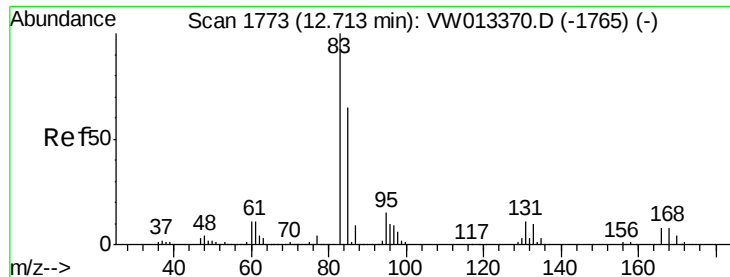
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 21.022 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

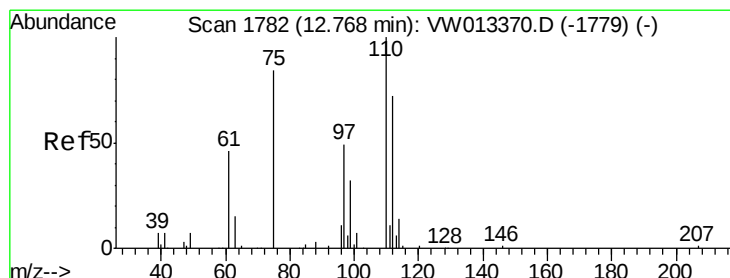
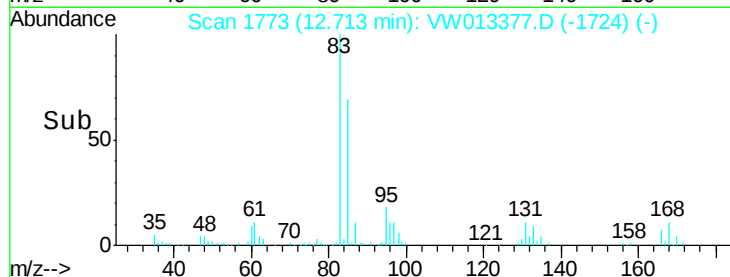
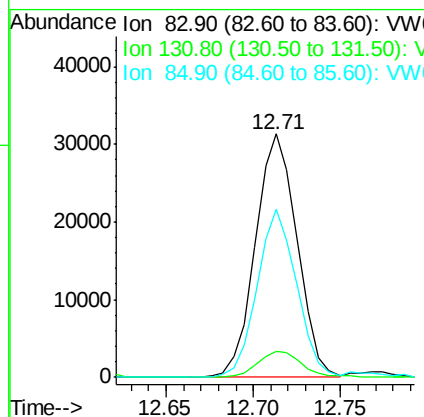
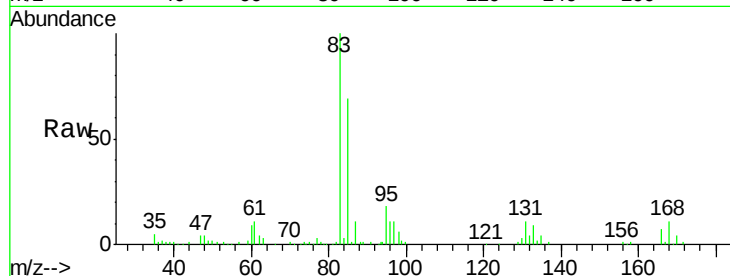
ClientSampleId :

VW1002SBS01

Tot Ion:	83	Resp:	51664
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	65.4	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.382 ug/l m

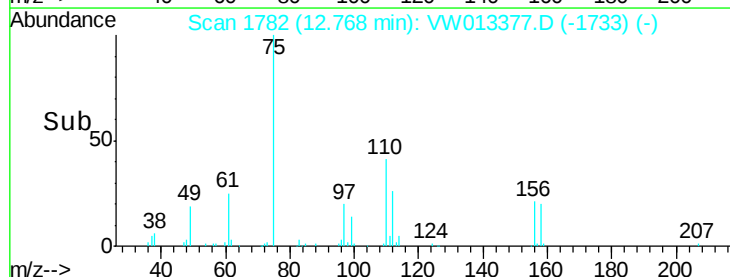
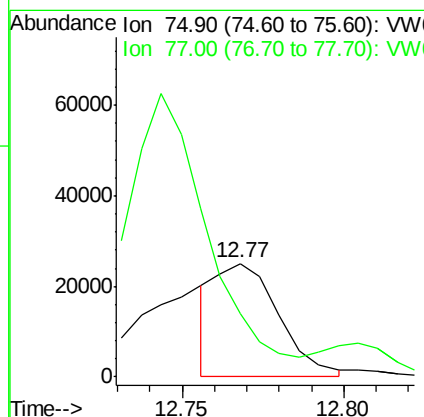
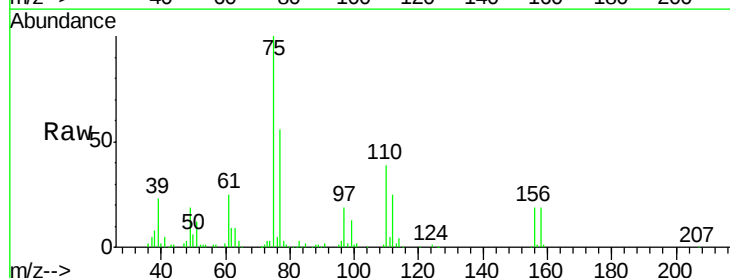
RT: 12.77 min Scan# 1782

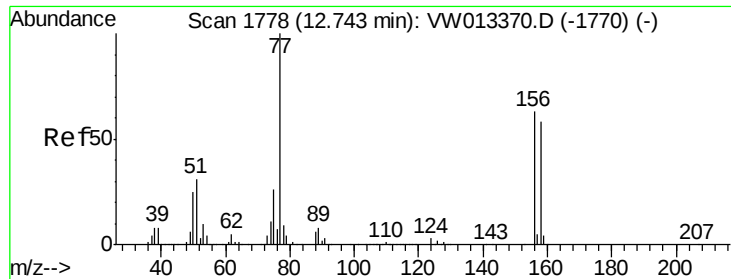
Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion:	75	Resp:	34193
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.687 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

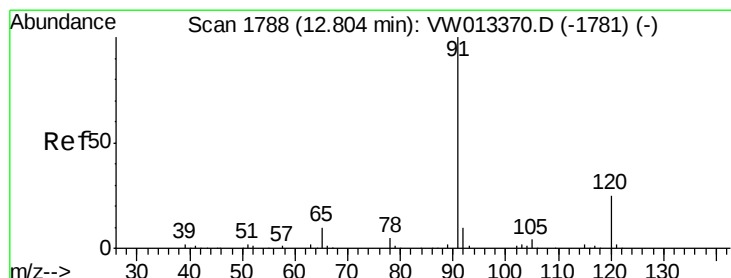
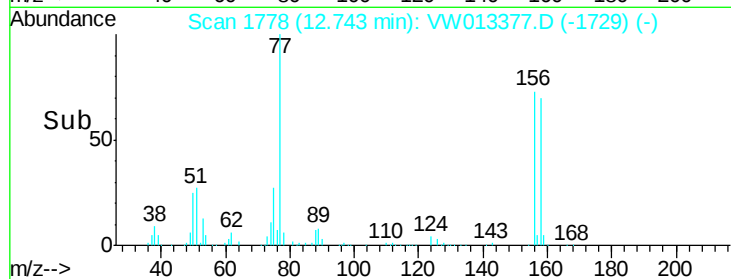
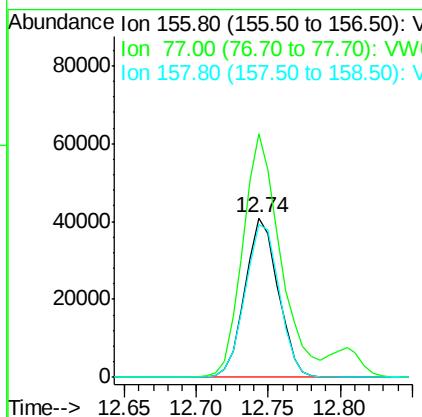
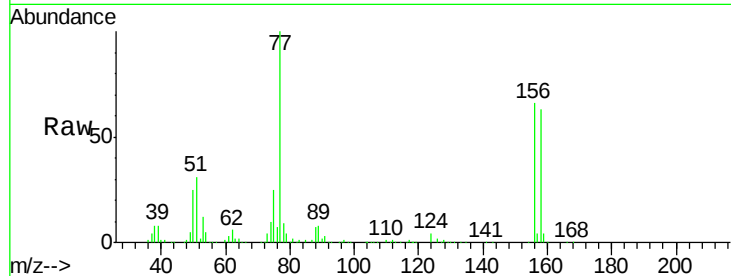
ClientSampleId :

VW1002SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.9	85.7	257.1
158	99.1	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.041 ug/l

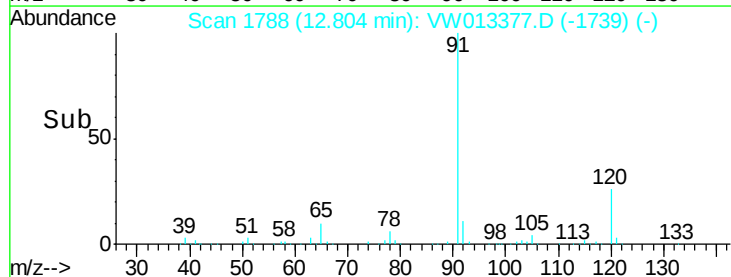
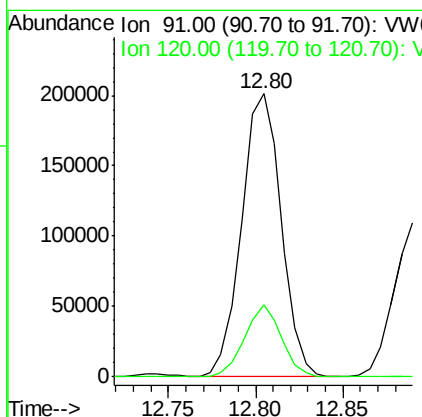
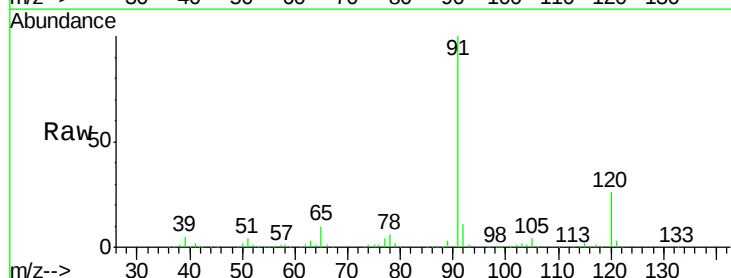
RT: 12.80 min Scan# 1788

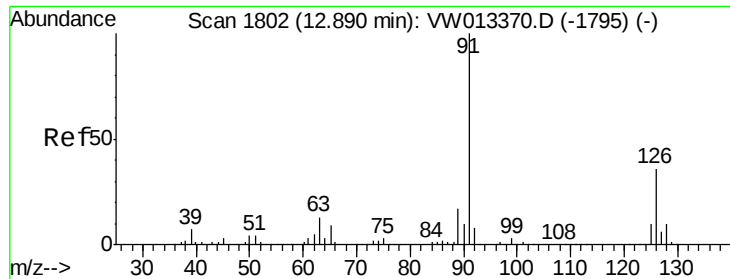
Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.7	35.1





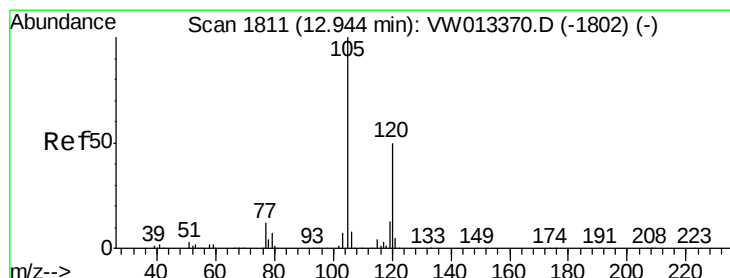
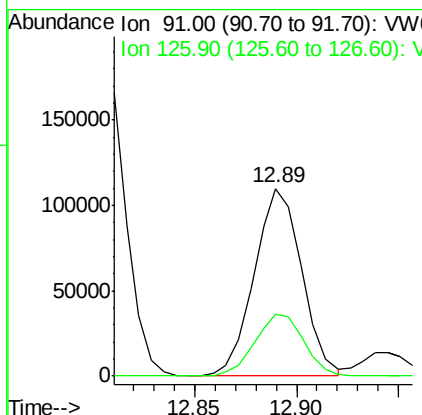
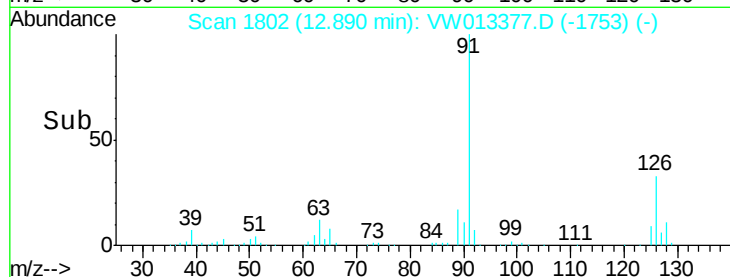
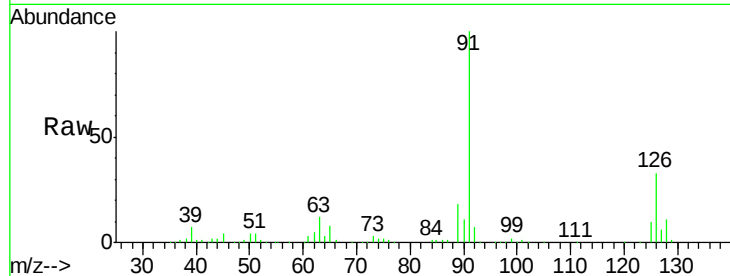
#79
2-Chlorotoluene
Concen: 19.149 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion: 91 Resp: 177641
Ion Ratio Lower Upper
91 100
126 34.0 17.2 51.5

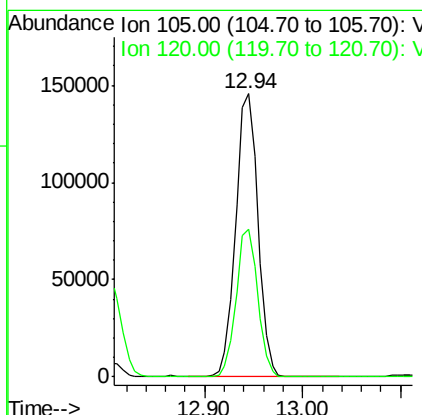
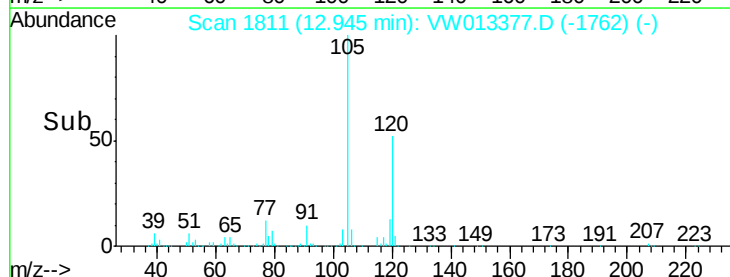
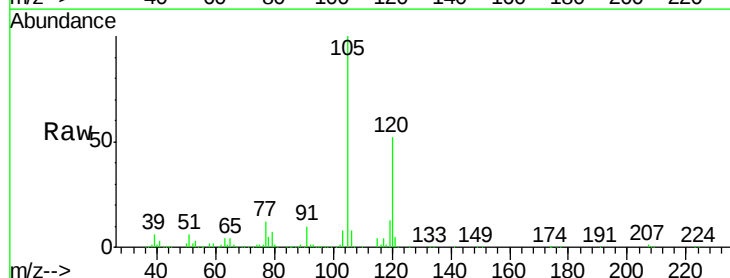
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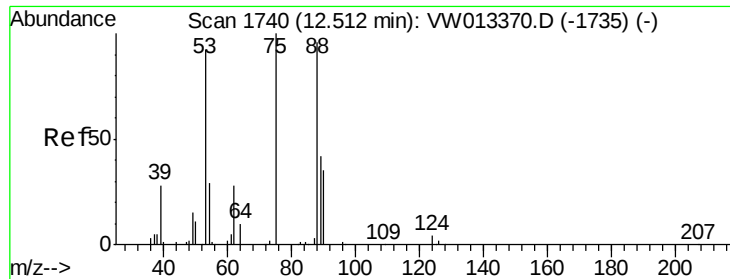
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.134 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion:105 Resp: 230785
Ion Ratio Lower Upper
105 100
120 50.5 24.9 74.8





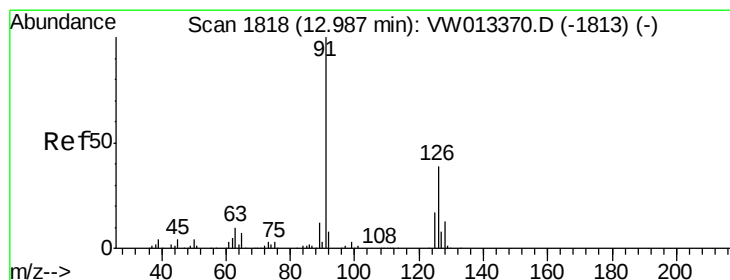
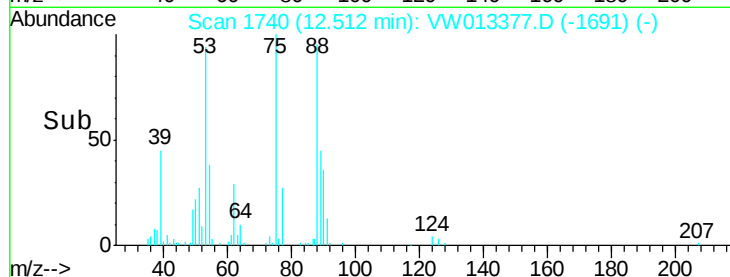
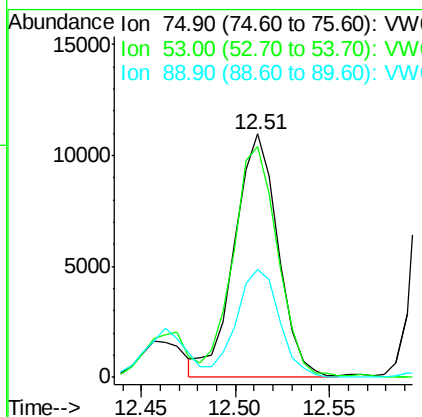
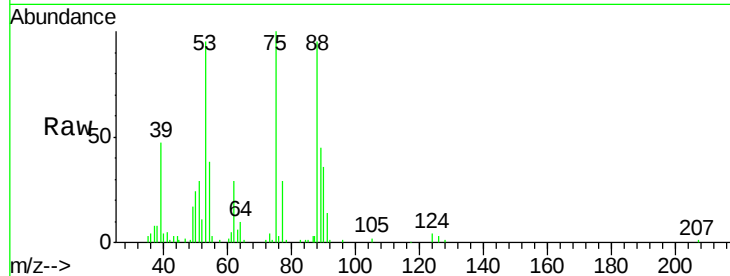
#81
trans-1,4-Dichloro-2-butene
Concen: 23.579 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VW1002SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.7	76.6	114.8
89	43.5	33.5	50.3

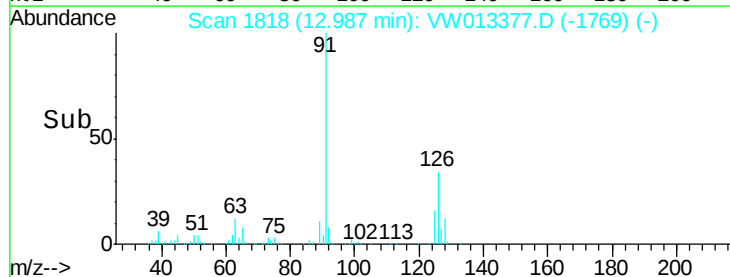
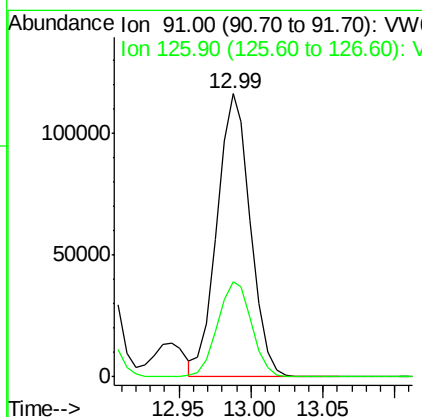
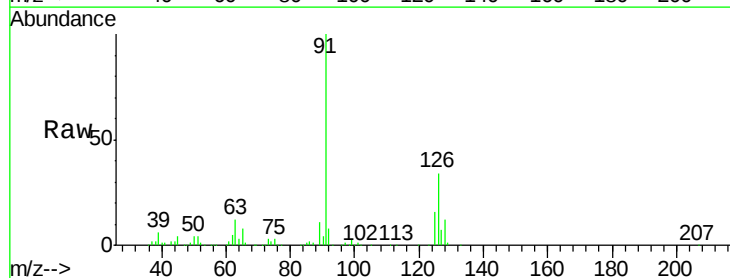
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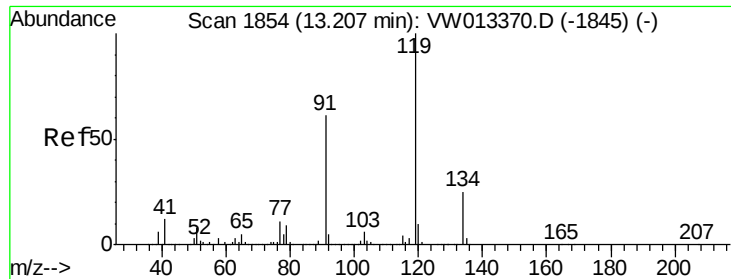
MMDadoda
10/4/2019 12:11:30 PM



#82
4-Chlorotoluene
Concen: 19.347 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	51.7





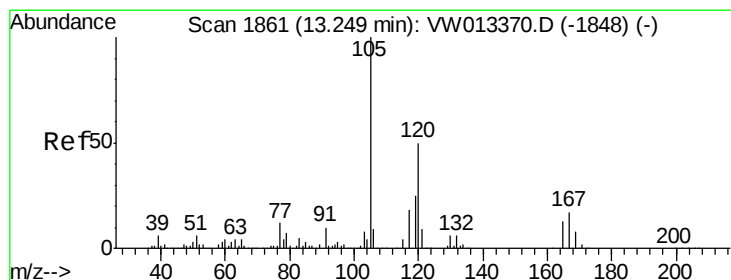
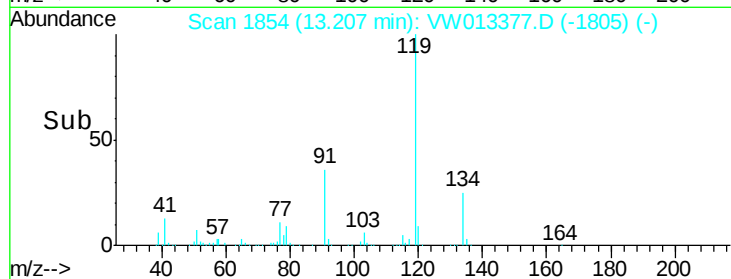
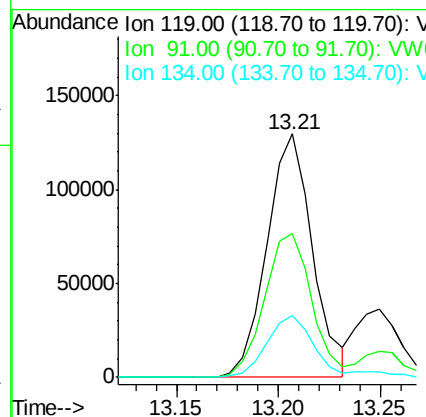
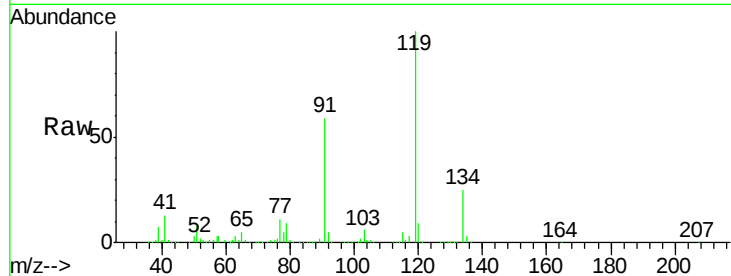
#83
tert-Butylbenzene
Concen: 19.192 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	202192		
91	61.0		30.7	92.1
134	25.8		12.6	37.6

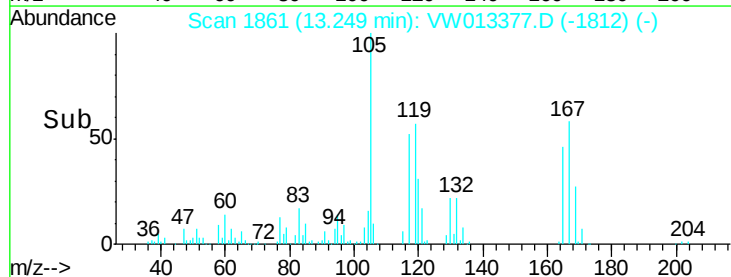
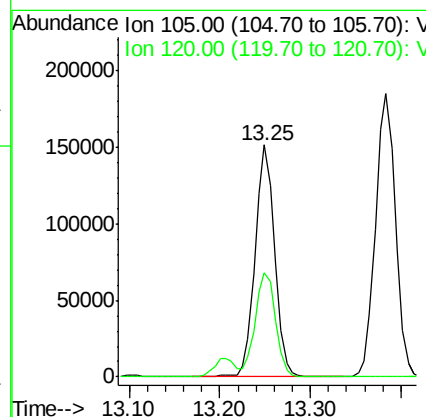
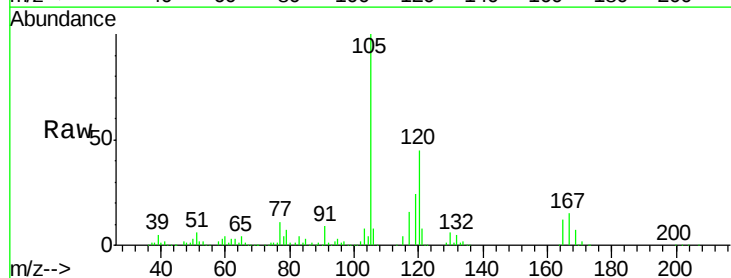
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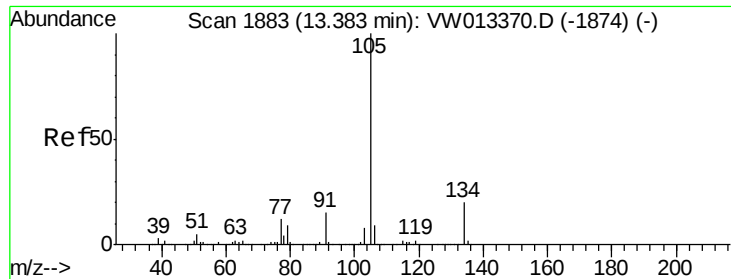
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.911 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226747		
120	46.4		23.4	70.3





#85

sec-Butylbenzene

Concen: 19.432 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS01

Tot Ion:105 Resp: 282257

Ion Ratio Lower Upper

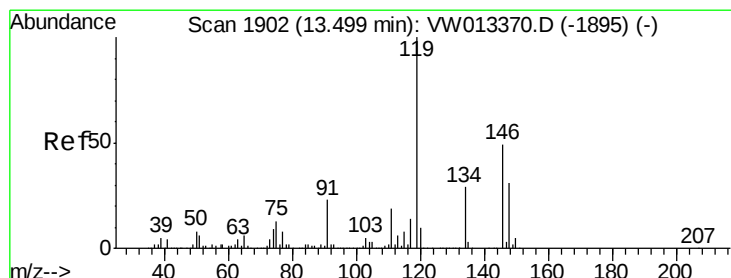
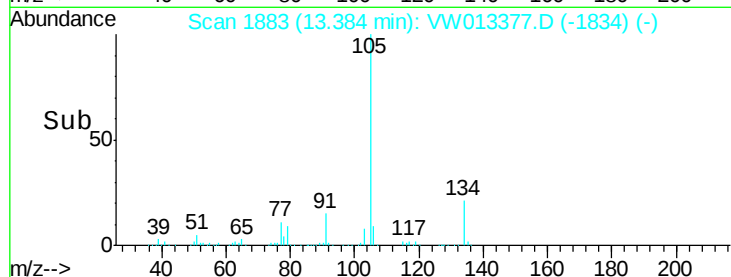
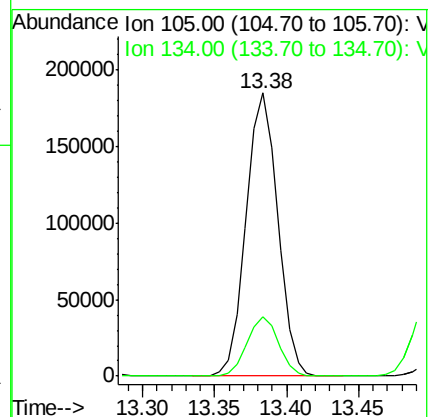
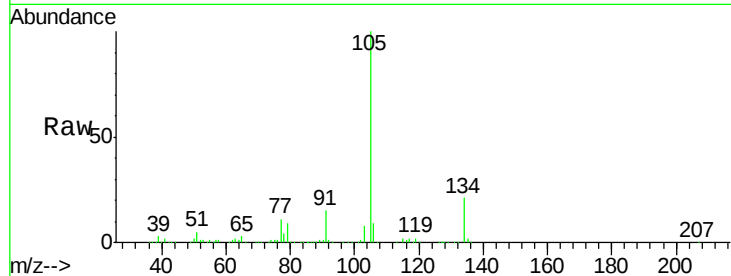
105 100

134 20.8 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.610 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013377.D

Acq: 02 Oct 2019 14:45

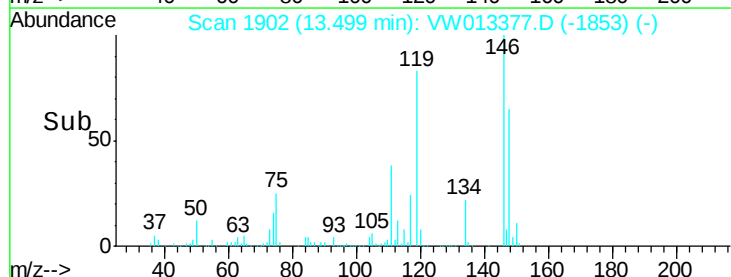
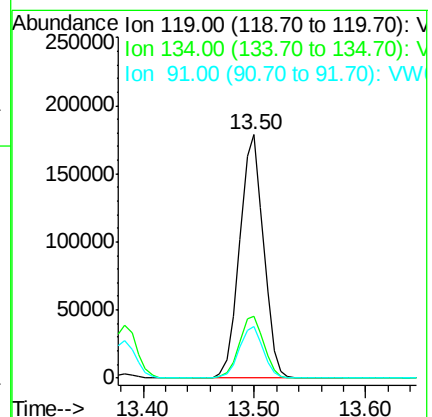
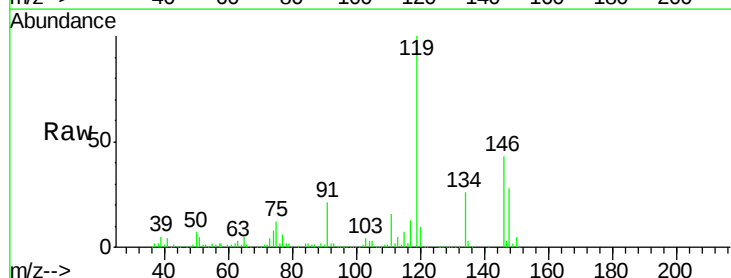
Tgt Ion:119 Resp: 263979

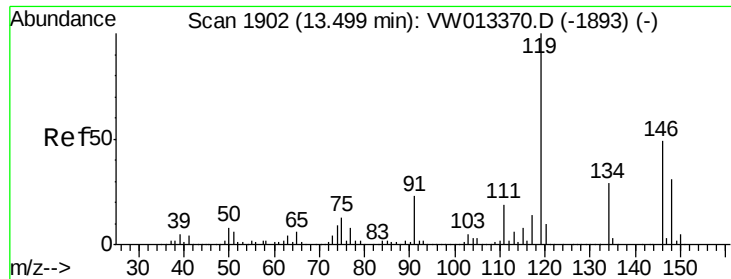
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 21.3 10.8 32.4





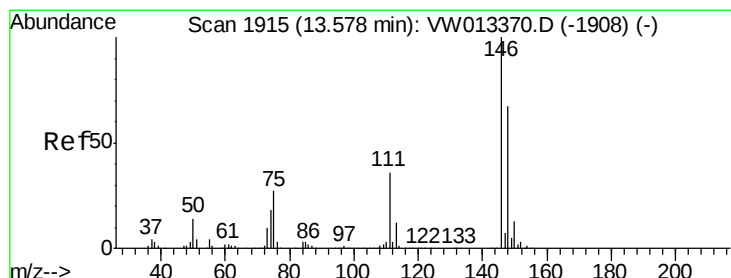
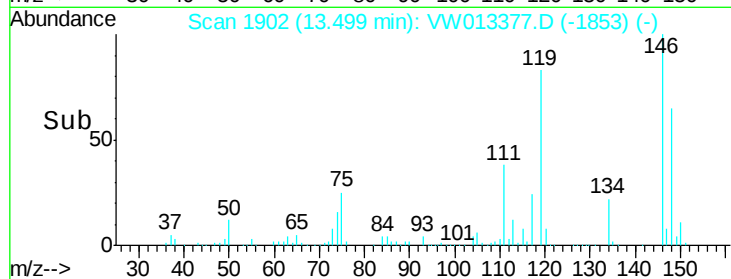
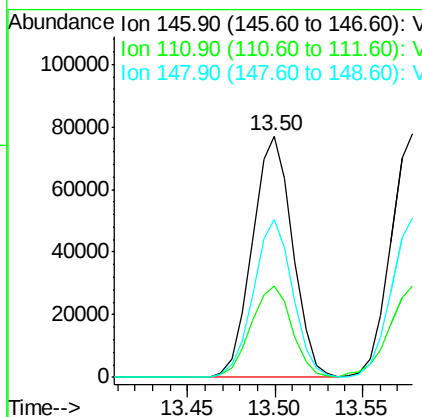
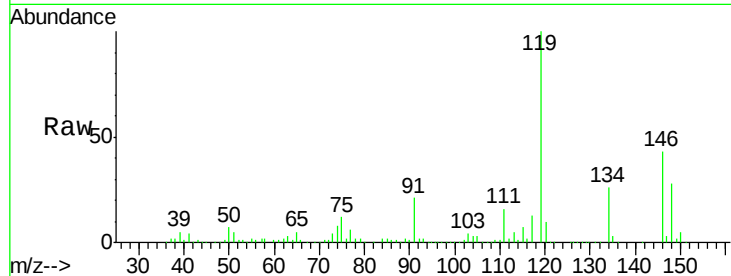
#87
 1,3-Dichlorobenzene
 Concen: 18.939 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.9
148	63.5	31.9	95.5

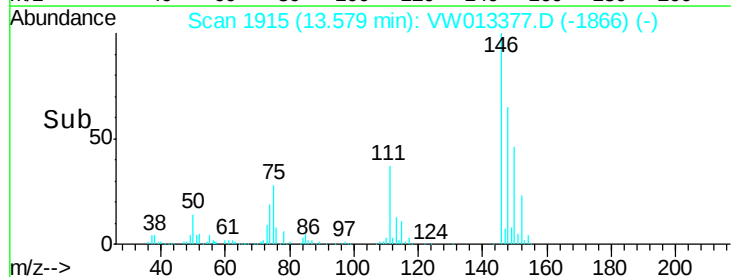
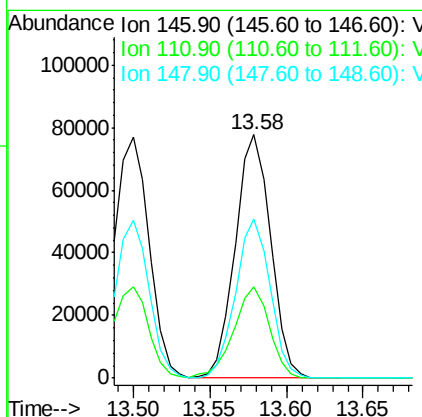
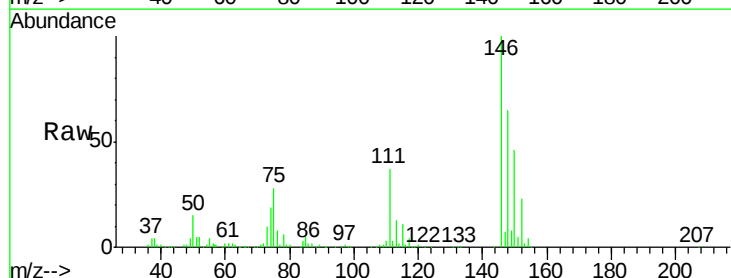
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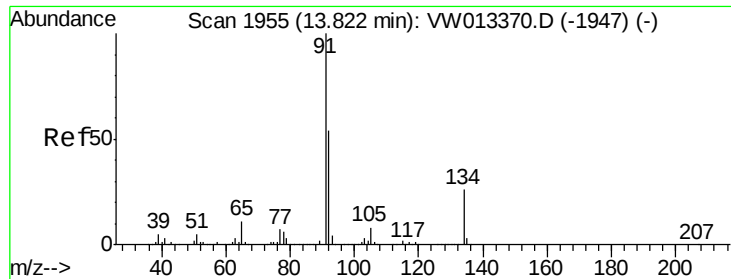
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#88
 1,4-Dichlorobenzene
 Concen: 19.093 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.4	55.0
148	63.8	32.1	96.3





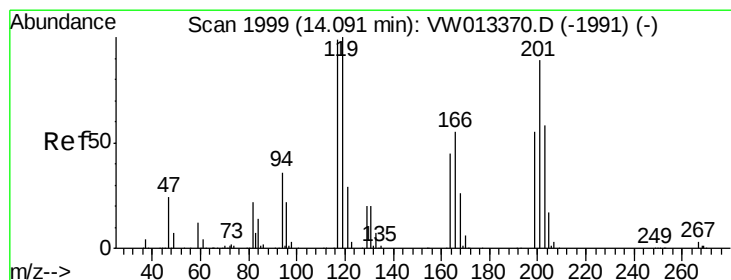
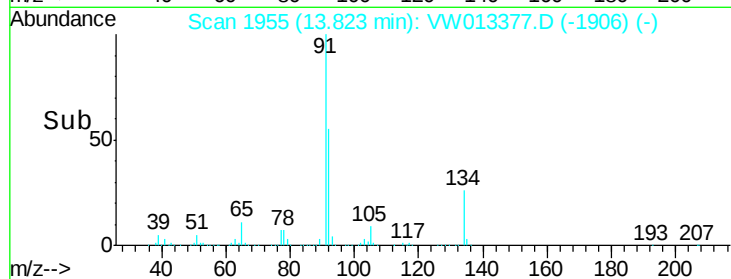
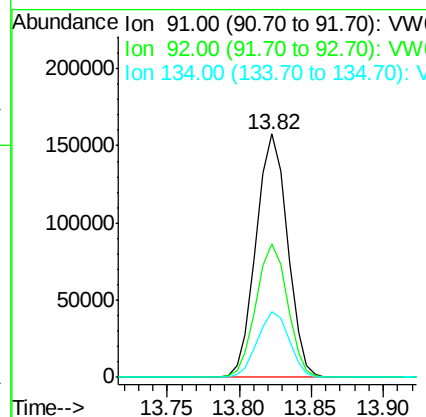
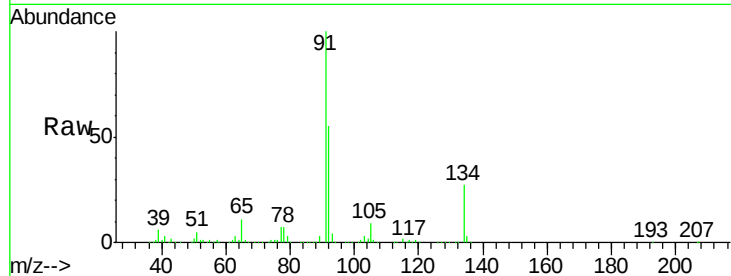
#89
n-Butylbenzene
Concen: 19.580 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	237632		
92	54.8		27.6	82.8
134	27.3		13.7	41.1

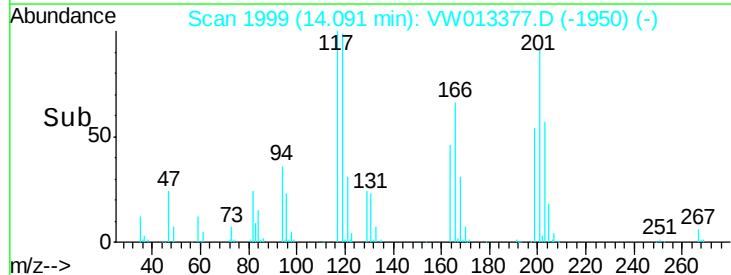
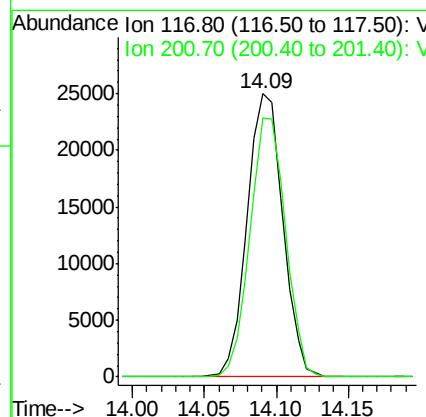
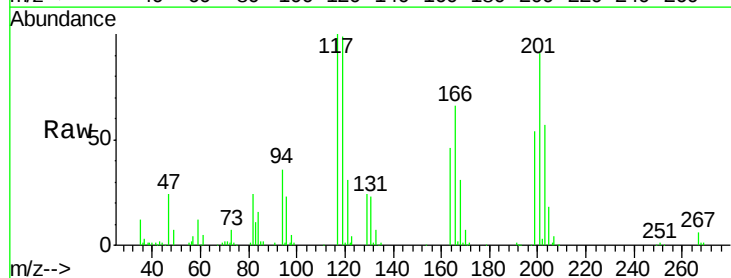
Manual Integrations
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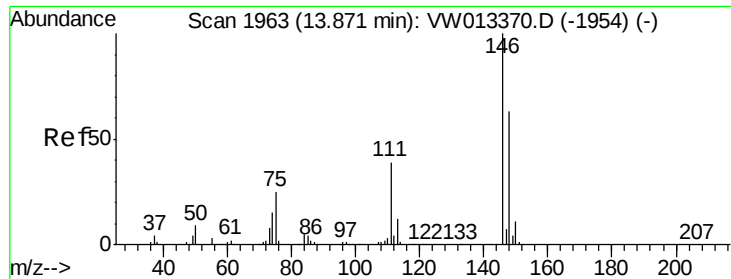
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#90
Hexachloroethane
Concen: 19.265 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42846		
201	91.0		44.5	133.5





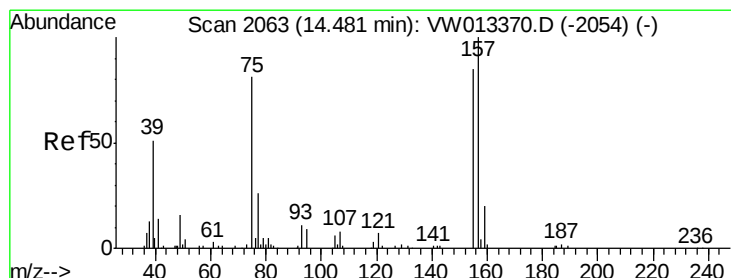
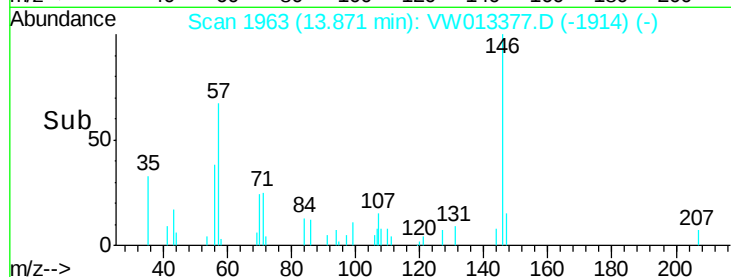
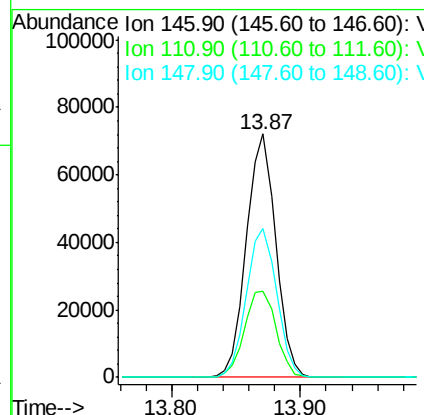
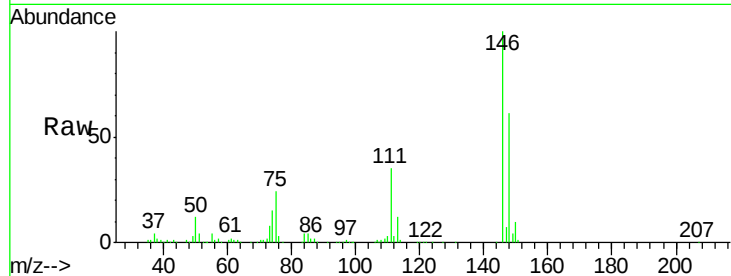
#91
 1,2-Dichlorobenzene
 Concen: 19.592 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.1	60.3
148	63.0	32.0	96.0

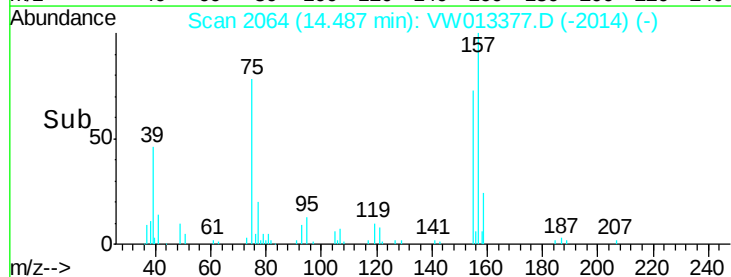
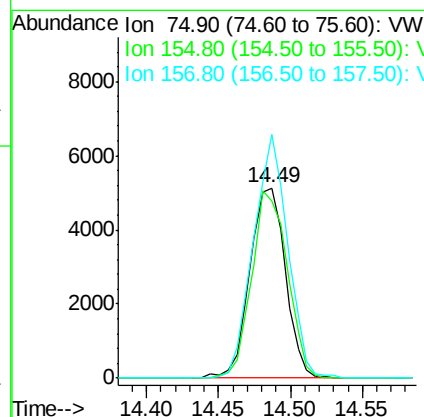
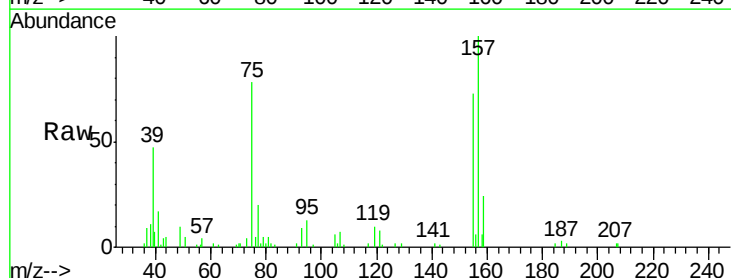
Manual Integrations
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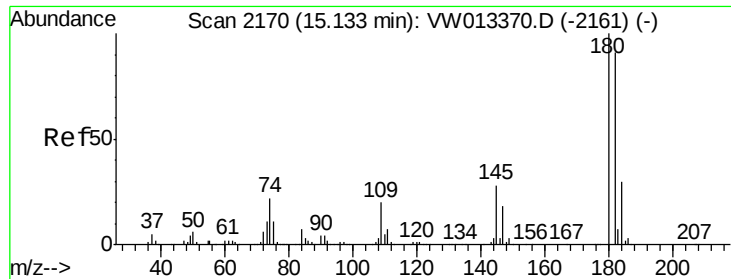
MMDadoda
 10/4/2019 12:11:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.882 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	46.1	138.3
157	123.3	60.4	181.2





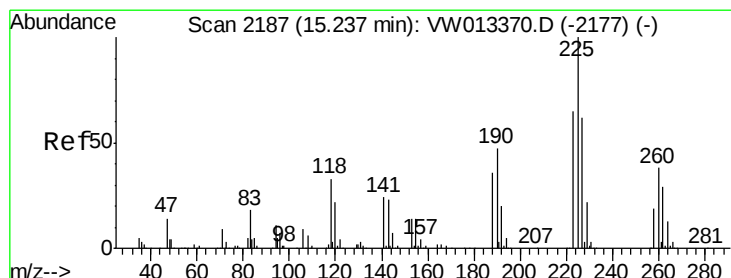
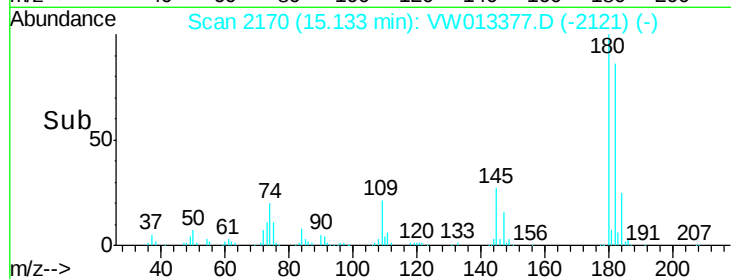
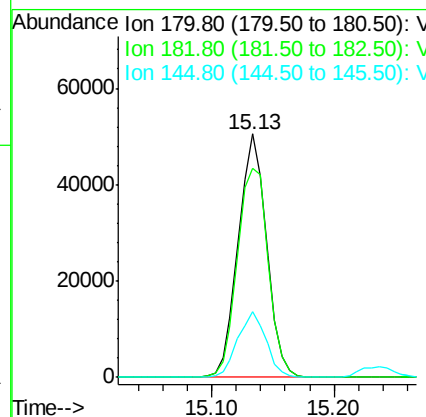
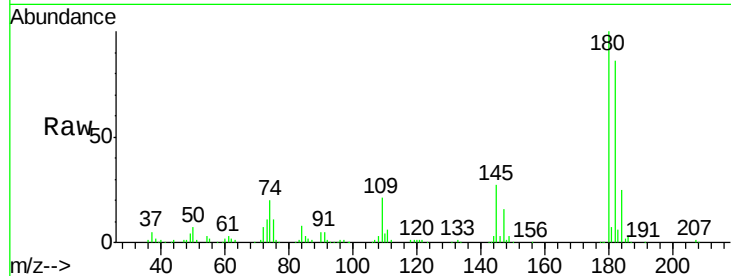
#93
 1,2,4-Trichlorobenzene
 Concen: 19.392 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	80698		
182	93.9	47.3	142.0	
145	27.1	14.2	42.8	

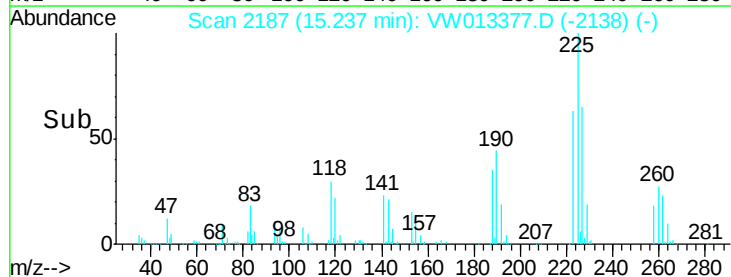
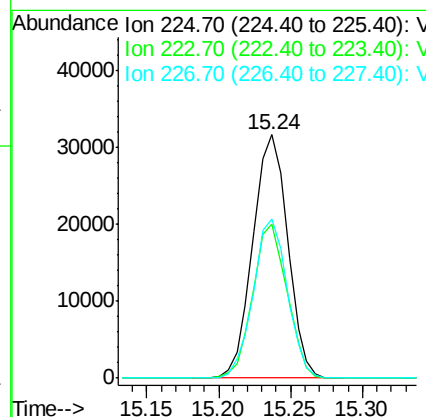
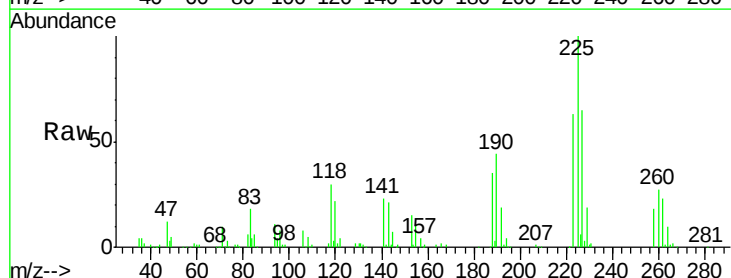
Manual Integrations
 APPROVED

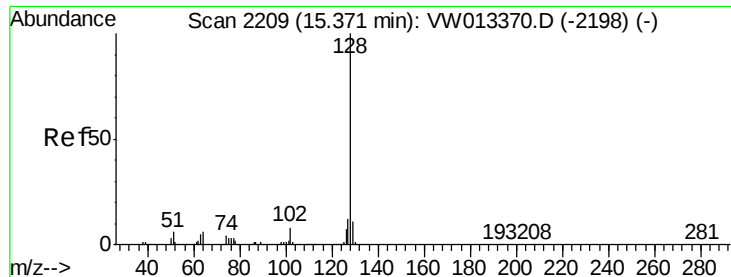
MMDadoda
 10/4/2019 12:11:30 PM



#94
 Hexachlorobutadiene
 Concen: 19.587 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013377.D
 Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52947		
223	62.0	30.6	91.8	
227	63.9	31.9	95.9	





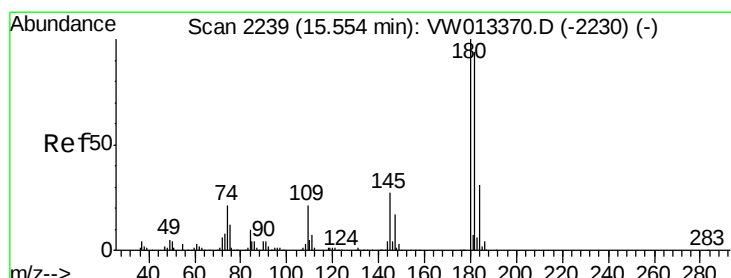
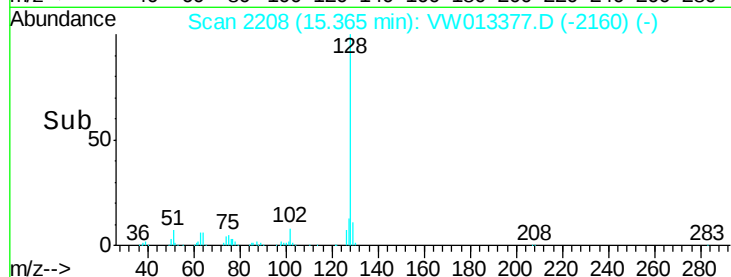
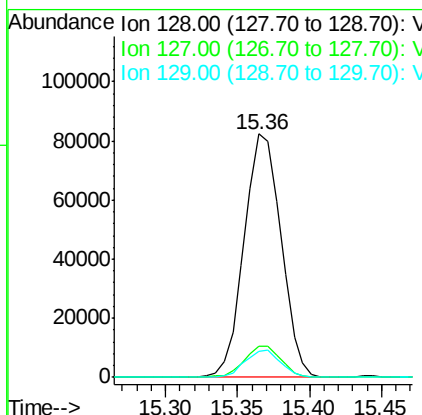
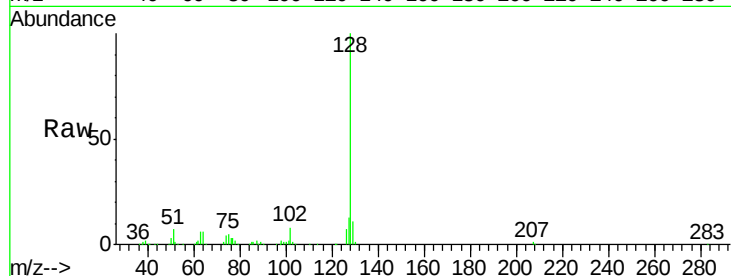
#95
Naphthalene
Concen: 20.887 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	146624		
127	13.0		10.6	15.8
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.011 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013377.D
Acq: 02 Oct 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69072		
182	96.3		47.9	143.7
145	30.7		15.0	45.0

