

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100919\
 Data File : VW013498.D
 Acq On : 09 Oct 2019 12:43
 Operator : SY/VA
 Sample : VW1009SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Manual Integrations
 APPROVED

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 10/11/2019 4:40:38 PM

Quant Time: Oct 10 03:14:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	345947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	126439	47.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.62%	
35) Dibromofluoromethane	7.88	113	132666	48.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.26%	
50) Toluene-d8	10.32	98	566155	49.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.62	95	187032	48.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	21234	18.530	ug/l	96
3) Chloromethane	2.21	50	43470	21.581	ug/l	94
4) Vinyl Chloride	2.35	62	61335	20.644	ug/l	100
5) Bromomethane	2.78	94	36492	20.585	ug/l	97
6) Chloroethane	2.92	64	33892	20.312	ug/l	99
7) Trichlorofluoromethane	3.25	101	31499	22.407	ug/l	98
8) Diethyl Ether	3.68	74	28837	19.819	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59573	20.562	ug/l	98
10) Methyl Iodide	4.27	142	95877	20.898	ug/l	100
11) Tert butyl alcohol	5.20	59	20934	94.150	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	61505	20.484	ug/l	94
13) Acrolein	3.90	56	24120	103.005	ug/l	99
14) Allyl chloride	4.67	41	96794	20.978	ug/l	99
15) Acrylonitrile	5.37	53	65477	96.284	ug/l	99
16) Acetone	4.14	43	57314	92.148	ug/l	96
17) Carbon Disulfide	4.38	76	173750	20.616	ug/l	99
18) Methyl Acetate	4.67	43	34909	19.594	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	90214	19.870	ug/l	99
20) Methylene Chloride	4.92	84	69485	20.731	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	66138	20.730	ug/l	97
22) Diisopropyl ether	6.31	45	177524	20.534	ug/l	95
23) Vinyl Acetate	6.25	43	511096	98.472	ug/l	97
24) 1,1-Dichloroethane	6.21	63	110517	20.915	ug/l	98
25) 2-Butanone	7.17	43	83591	91.193	ug/l	99
26) 2,2-Dichloropropane	7.17	77	71987	21.133	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	70669	20.933	ug/l	99
28) Bromochloromethane	7.51	49	30031	16.347	ug/l #	98
29) Tetrahydrofuran	7.53	42	52681	94.034	ug/l	99
30) Chloroform	7.68	83	106584	20.853	ug/l	96
31) Cyclohexane	7.95	56	115290	20.614	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	88657	21.338	ug/l	98
36) 1,1-Dichloropropene	8.08	75	92374	20.904	ug/l	99
37) Ethyl Acetate	7.26	43	38191	19.048	ug/l	99
38) Carbon Tetrachloride	8.07	117	82976	21.182	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	118543	20.706	ug/l	97
40) Benzene	8.32	78	258196	20.931	ug/l	98
41) Methacrylonitrile	7.48	41	22414	19.659	ug/l	98
42) 1,2-Dichloroethane	8.40	62	63775	20.454	ug/l	98
43) Isopropyl Acetate	8.42	43	68844	19.006	ug/l	99
44) Trichloroethene	9.09	130	71989	20.457	ug/l	99
45) 1,2-Dichloropropane	9.37	63	60770	20.525	ug/l	98
46) Dibromomethane	9.46	93	29574	20.051	ug/l	100
47) Bromodichloromethane	9.65	83	74401	20.292	ug/l	97
48) Methyl methacrylate	9.44	41	34684	19.439	ug/l	98
49) 1,4-Dioxane	9.47	88	10776	416.082	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	177954	93.446	ug/l	100
52) Toluene	10.38	92	166403	20.942	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76743	20.143	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94577	20.490	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	45893	20.729	ug/l	98
56) Ethyl methacrylate	10.65	69	57634	19.329	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77874	20.485	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	129704	92.201	ug/l	99
59) 2-Hexanone	10.97	43	122538	93.837	ug/l	100
60) Dibromochloromethane	11.13	129	51737	20.321	ug/l	95
61) 1,2-Dibromoethane	11.23	107	43124	20.479	ug/l	96
64) Tetrachloroethene	10.86	164	63492	20.934	ug/l	99
65) Chlorobenzene	11.66	112	171257	20.914	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	58339	20.510	ug/l	100
67) Ethyl Benzene	11.73	91	311866	20.837	ug/l	100
68) m/p-Xylenes	11.84	106	242153	42.523	ug/l	97
69) o-Xylene	12.16	106	112062	21.300	ug/l	97
70) Styrene	12.18	104	192302	21.287	ug/l	99
71) Bromoform	12.35	173	30632	19.628	ug/l #	100
73) Isopropylbenzene	12.46	105	315355	21.030	ug/l	99
74) N-amyl acetate	12.27	43	60543	18.460	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	49402	19.328	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32864m	18.849	ug/l	
77) Bromobenzene	12.75	156	72340	20.352	ug/l	98
78) n-propylbenzene	12.80	91	362487	20.904	ug/l	99
79) 2-Chlorotoluene	12.89	91	201737	20.766	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	263646	21.160	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15908	18.651	ug/l	99
82) 4-Chlorotoluene	12.99	91	211444	20.970	ug/l	99
83) tert-Butylbenzene	13.21	119	233324	21.086	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	257097	20.864	ug/l	100
85) sec-Butylbenzene	13.38	105	318651	20.842	ug/l	100
86) p-Isopropyltoluene	13.50	119	295180	21.014	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	140523	20.850	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	136999	20.750	ug/l	99
89) n-Butylbenzene	13.82	91	268609	21.168	ug/l	100
90) Hexachloroethane	14.09	117	50046	20.822	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	124323	20.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7853	19.273	ug/l	94

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VW1009SBSD01

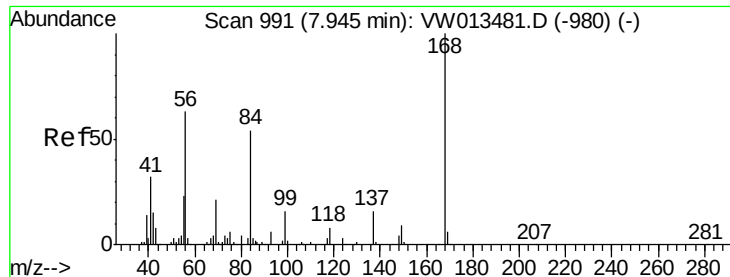
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	87626	20.836	ug/l	99
94) Hexachlorobutadiene	15.24	225	59872	21.423	ug/l	99
95) Naphthalene	15.36	128	137696	18.928	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	73970	20.114	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tot Ion:168 Resp: 345947

Ion Ratio Lower Upper

168 100

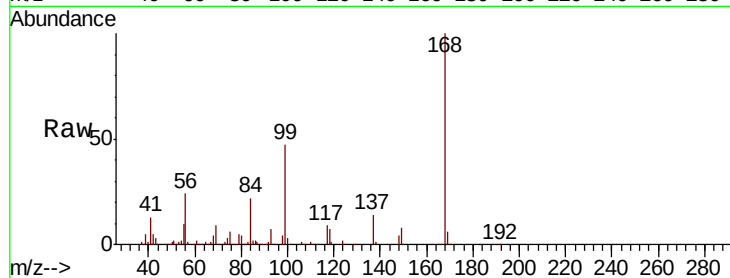
99 46.6 38.3 57.5

Manual Integrations

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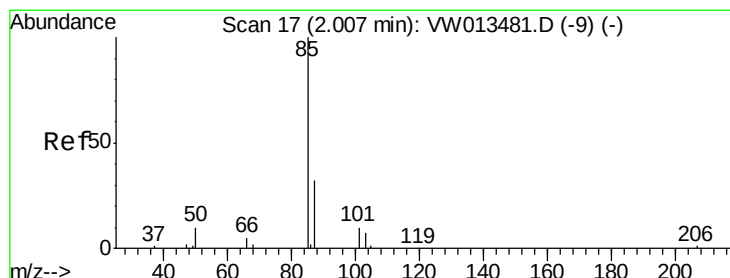
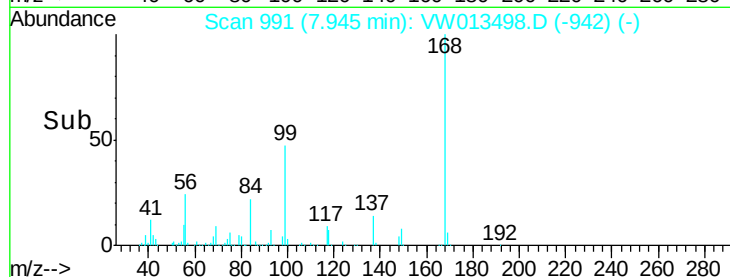
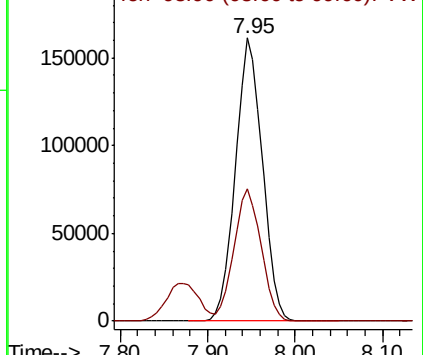
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.530 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013498.D

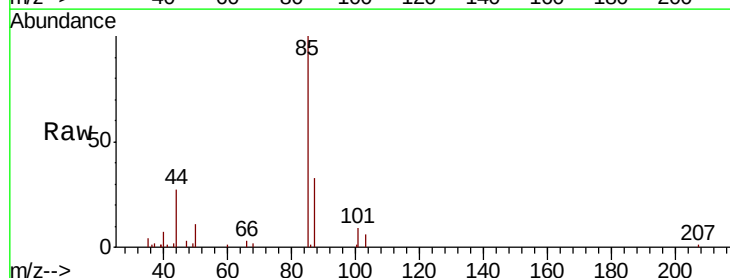
Acq: 09 Oct 2019 12:43

Tgt Ion: 85 Resp: 21234

Ion Ratio Lower Upper

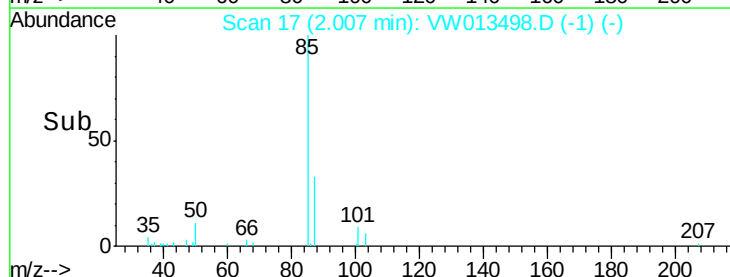
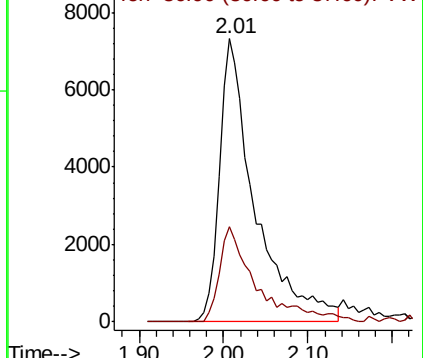
85 100

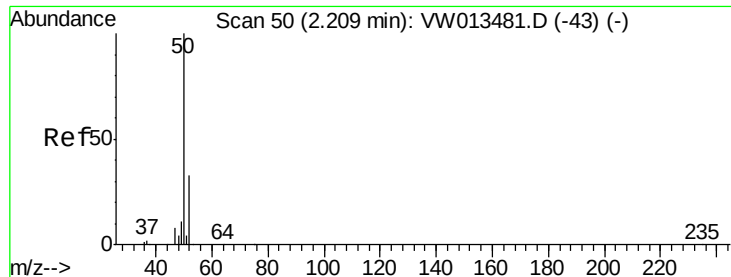
87 33.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.581 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tot Ion: 50 Resp: 43470

Ion Ratio Lower Upper

50 100

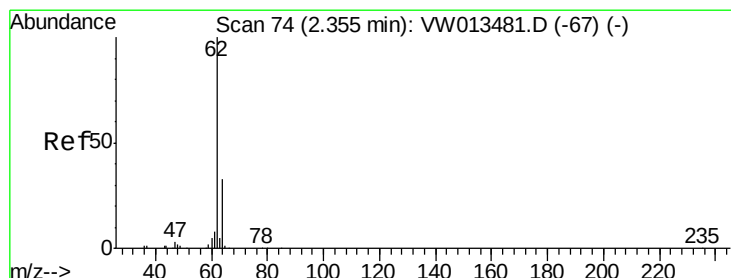
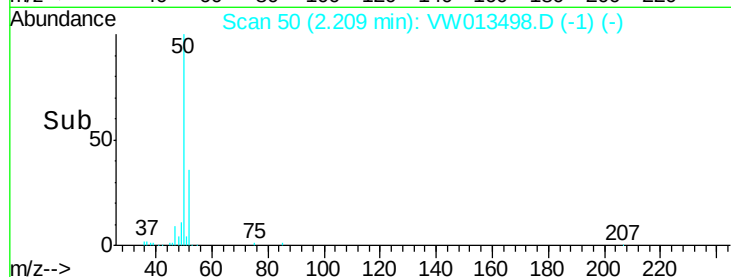
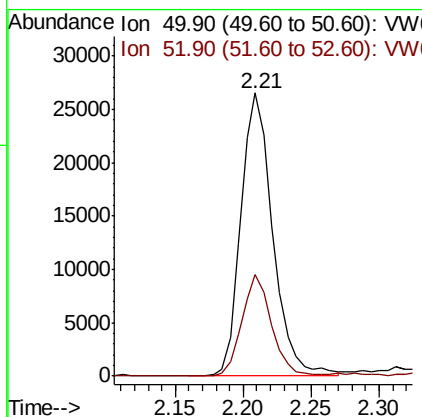
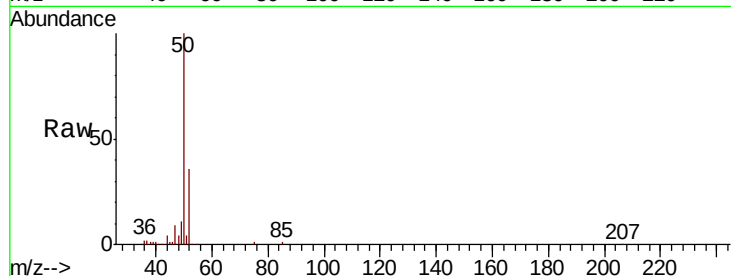
52 35.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.644 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013498.D

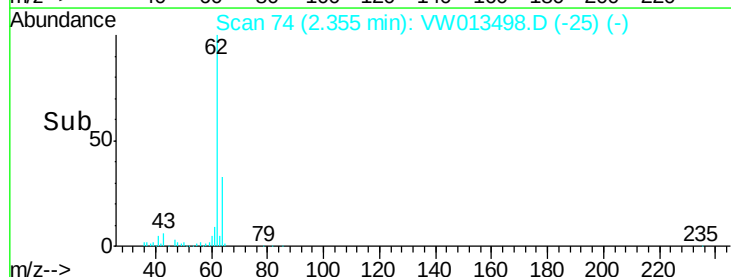
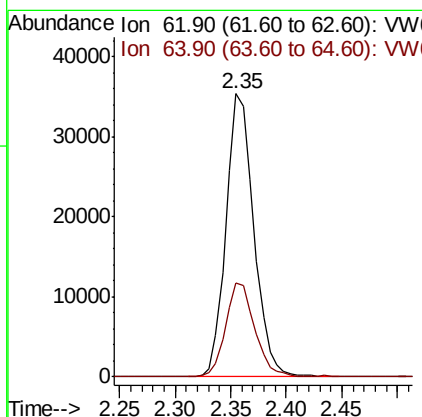
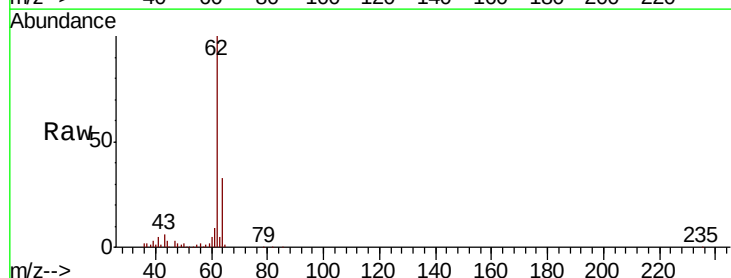
Acq: 09 Oct 2019 12:43

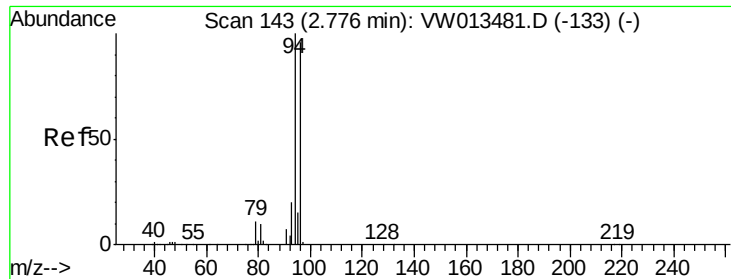
Tgt Ion: 62 Resp: 61335

Ion Ratio Lower Upper

62 100

64 33.1 26.6 39.8





#5

Bromomethane

Concen: 20.585 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tot Ion: 94 Resp: 36492

Ion Ratio Lower Upper

94 100

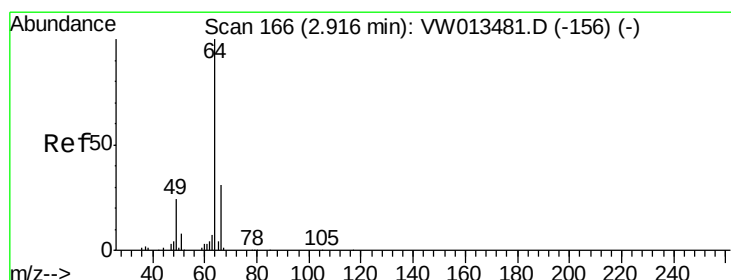
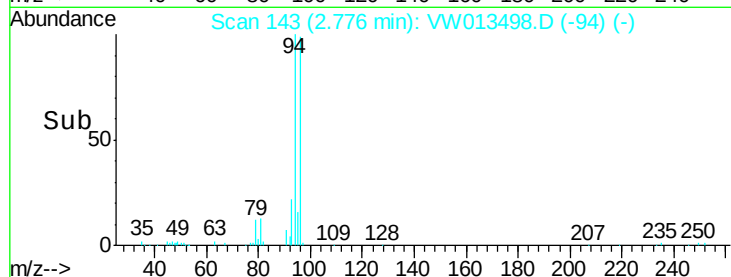
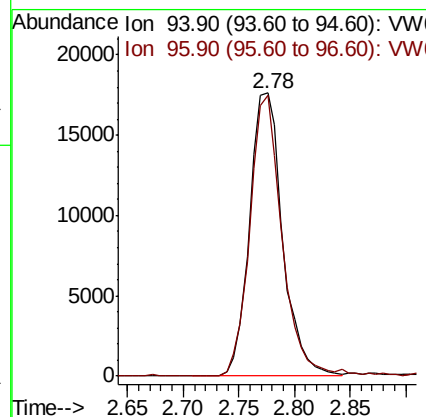
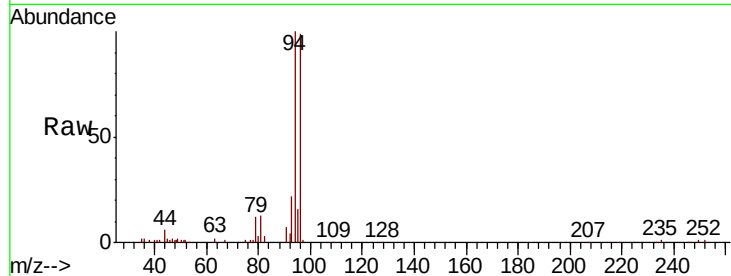
96 99.3 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 20.312 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013498.D

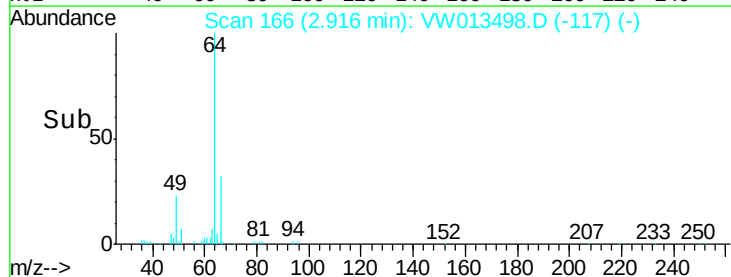
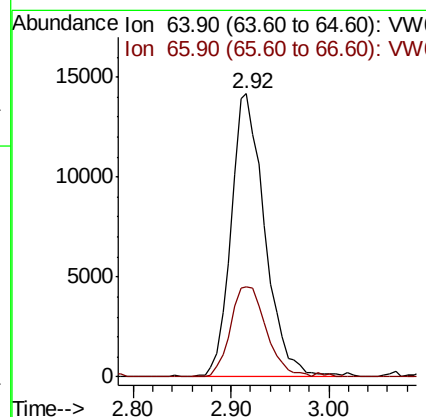
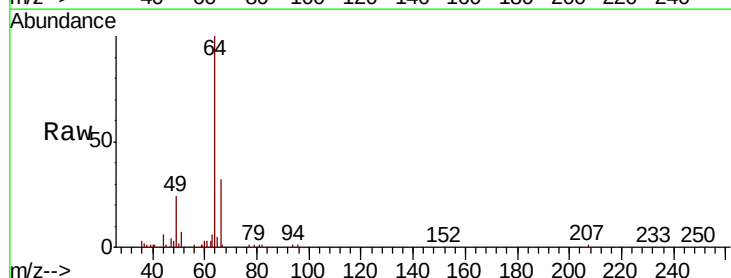
Acq: 09 Oct 2019 12:43

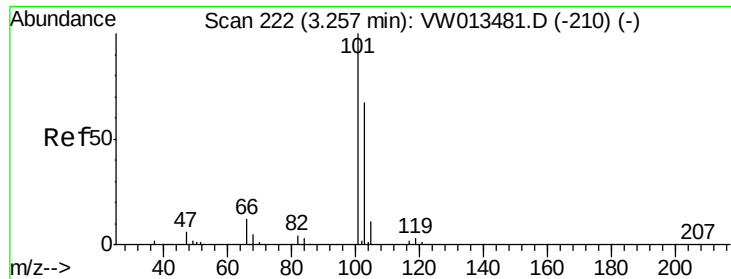
Tgt Ion: 64 Resp: 33892

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.4





#7

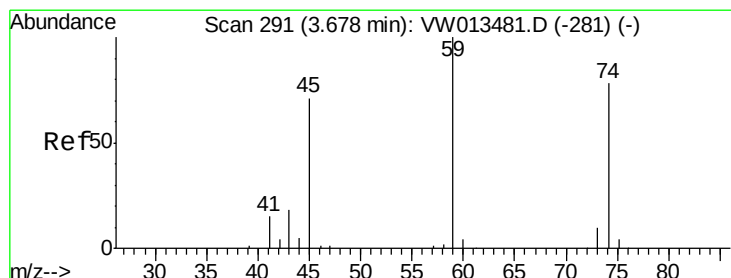
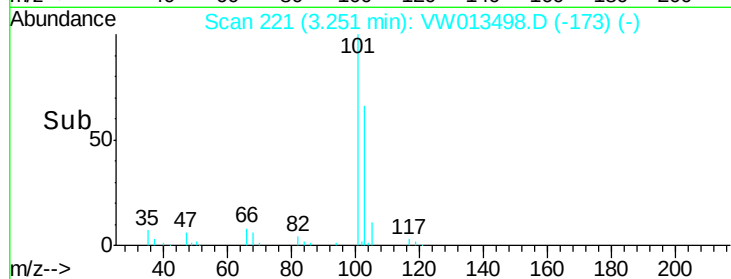
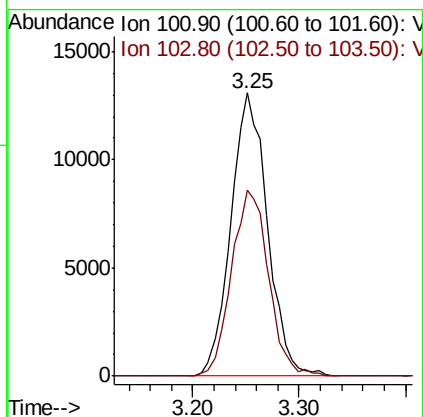
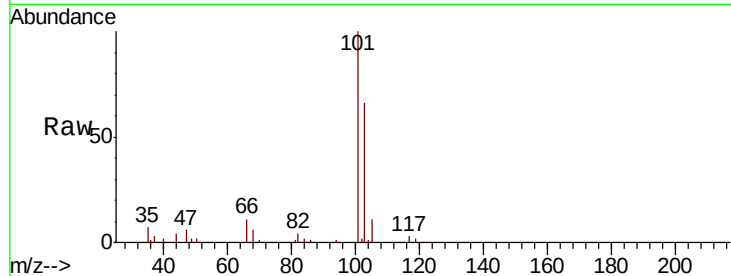
Trichlorofluoromethane
Concen: 22.407 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW013498.D
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VW1009SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		31499		
103	65.6	53.7	80.5		

Manual Integrations
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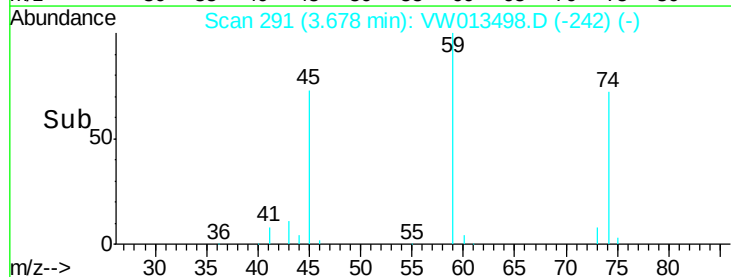
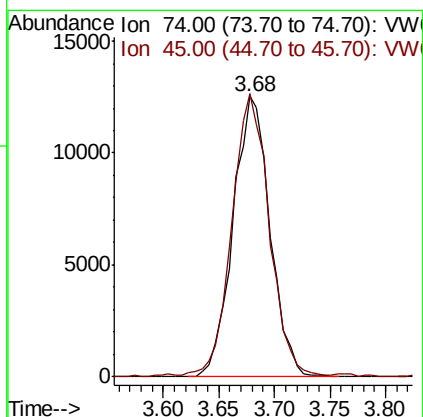
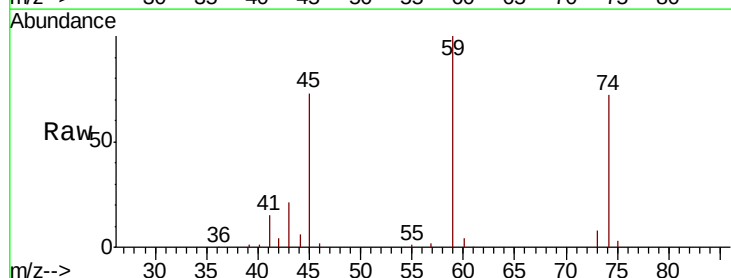
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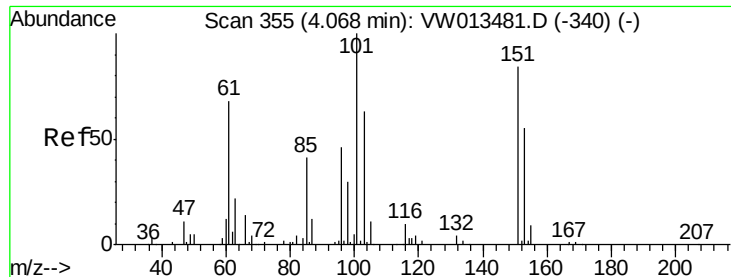


#8

Diethyl Ether
Concen: 19.819 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		28837		
45	100.3	50.0	150.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.562 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

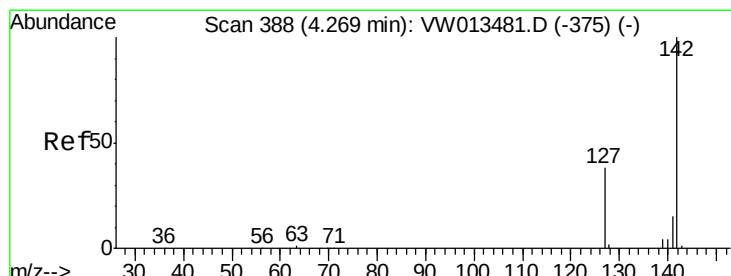
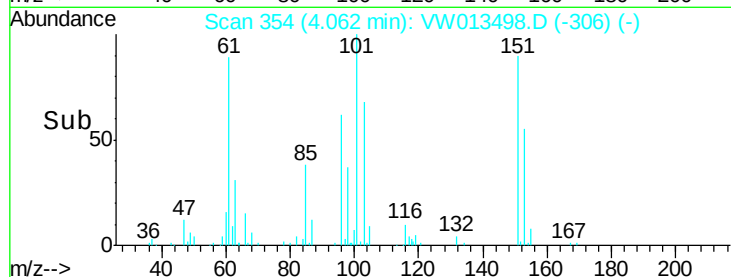
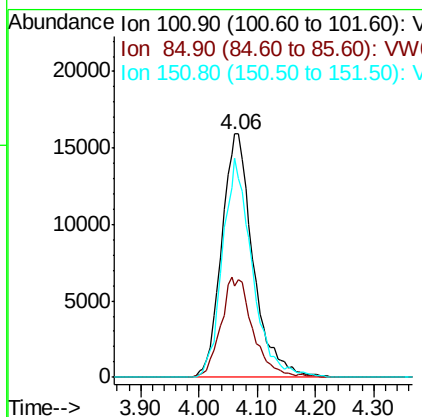
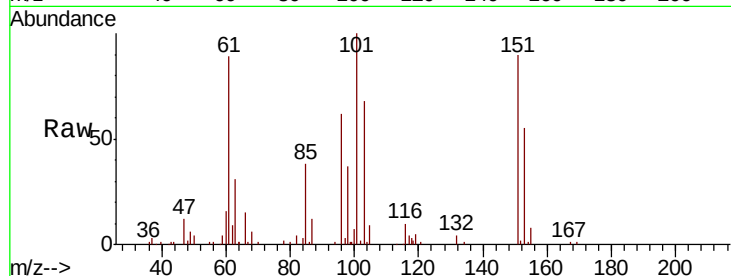
ClientSampleId :

VW1009SBS01

Tot Ion:	101	Resp:	59573
Ion Ratio	Lower	Upper	
101	100		
85	41.7	31.6	47.4
151	85.0	67.5	101.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.898 ug/l

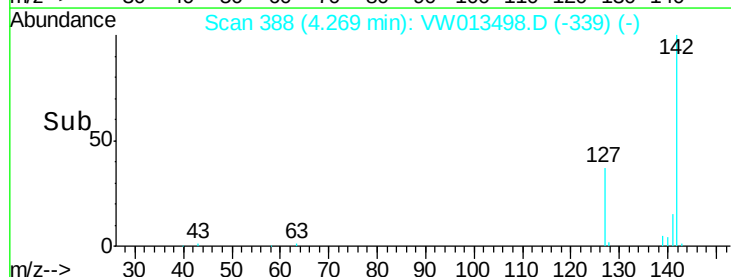
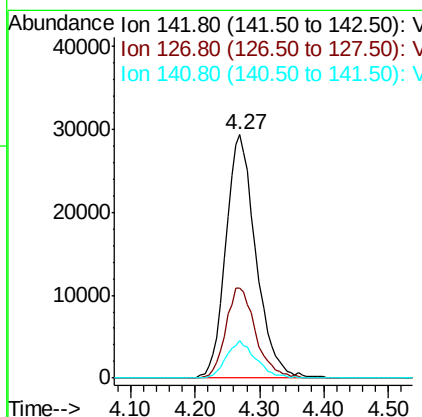
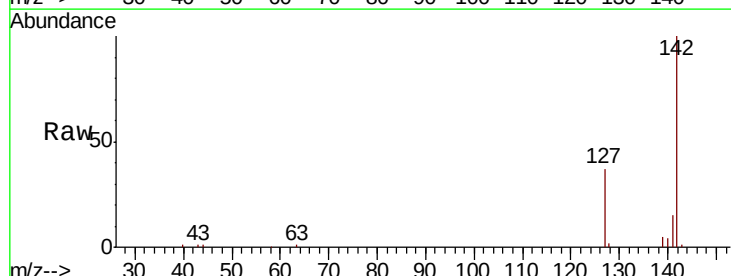
RT: 4.27 min Scan# 388

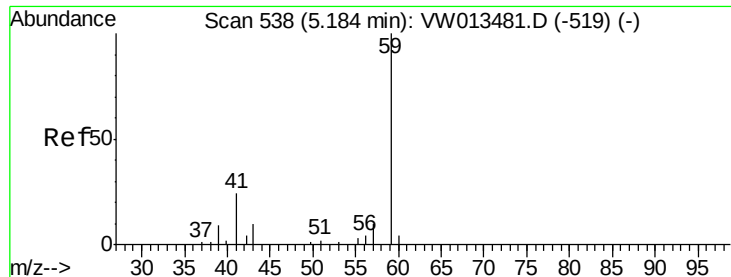
Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Tgt Ion:	142	Resp:	95877
Ion Ratio	Lower	Upper	
142	100		
127	37.1	29.6	44.4
141	15.0	12.1	18.1





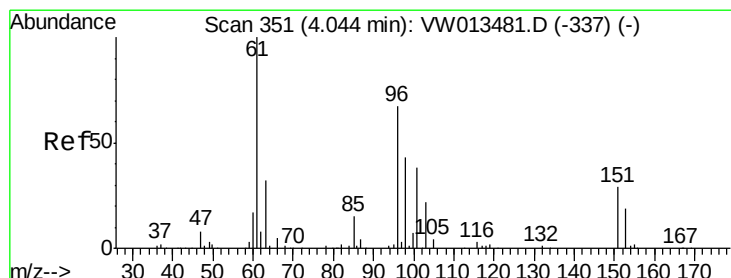
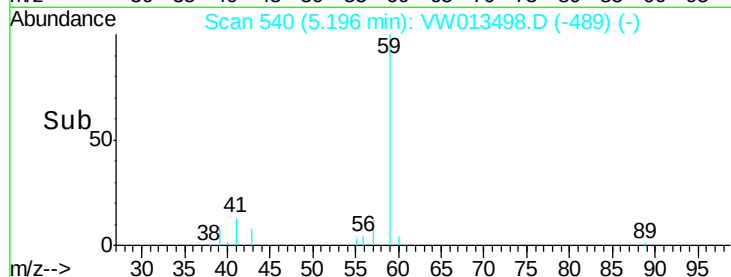
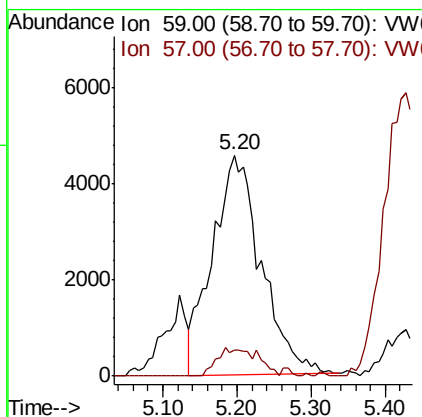
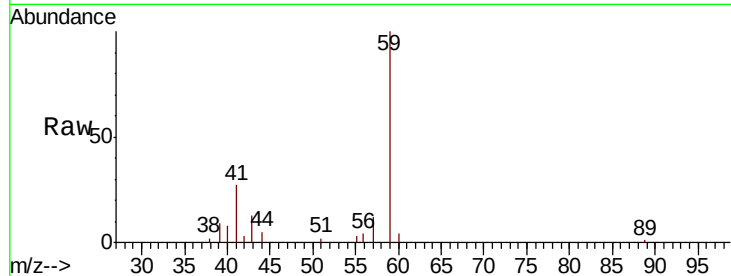
#11
Tert butyl alcohol
Concen: 94.150 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion: 59 Resp: 20934
Ion Ratio Lower Upper
59 100
57 4.8 8.2 12.4#

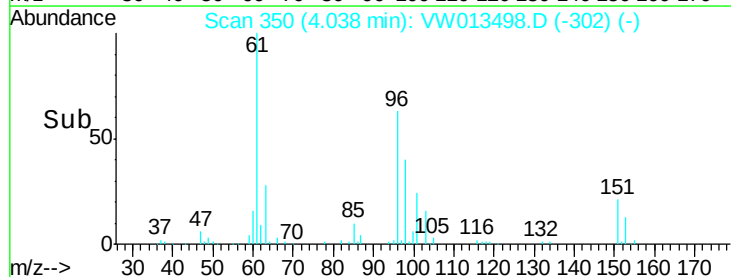
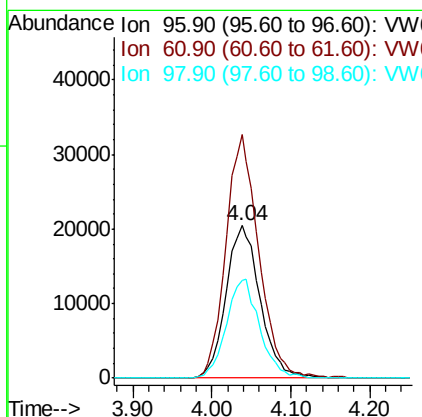
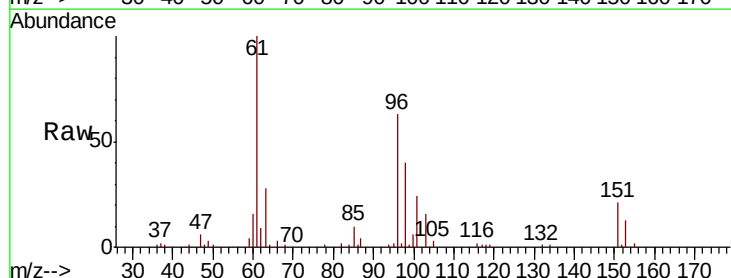
Manual Integrations
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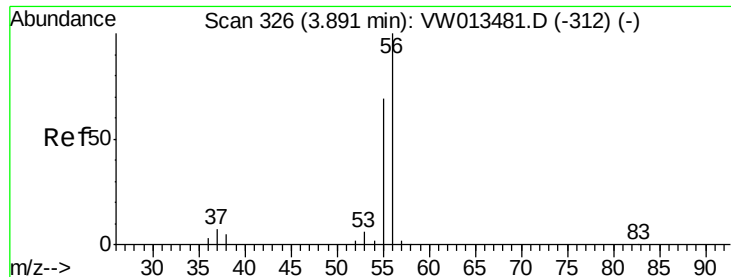
MMDadoda
10/11/2019 4:40:38 PM



#12
1,1-Dichloroethene
Concen: 20.484 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 96 Resp: 61505
Ion Ratio Lower Upper
96 100
61 159.4 119.4 179.0
98 64.0 51.1 76.7





#13

Acrolein

Concen: 103.005 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tot Ion: 56 Resp: 24120

Ion Ratio Lower Upper

56 100

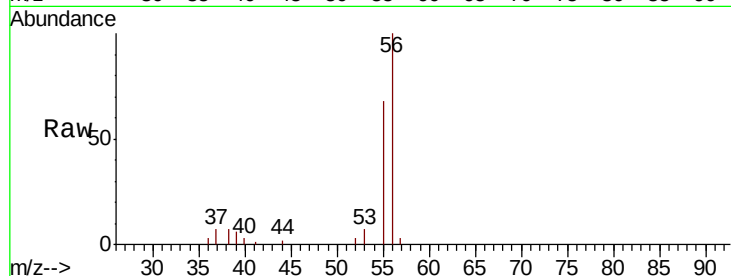
55 70.8 55.9 83.9

Manual Integrations

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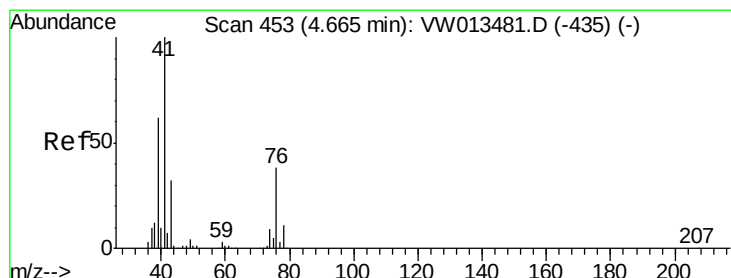
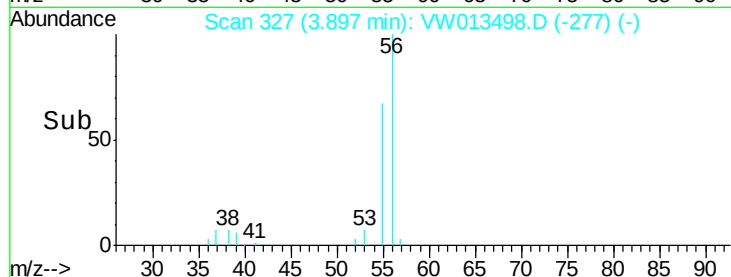
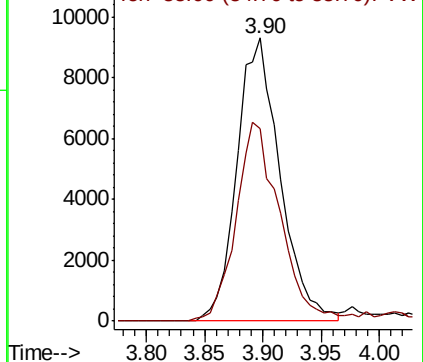
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.978 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

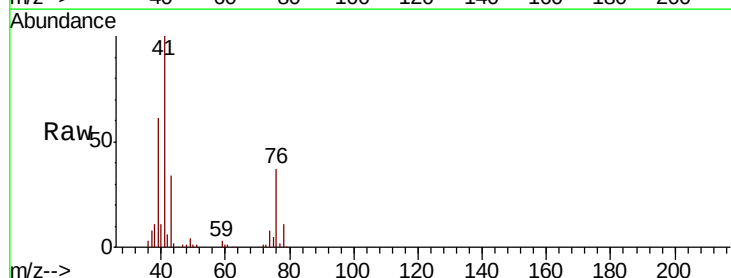
Tgt Ion: 41 Resp: 96794

Ion Ratio Lower Upper

41 100

39 62.1 50.1 75.1

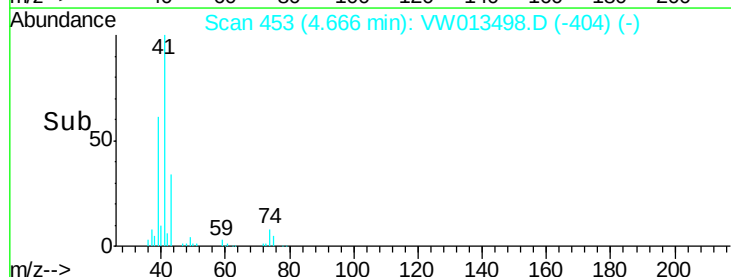
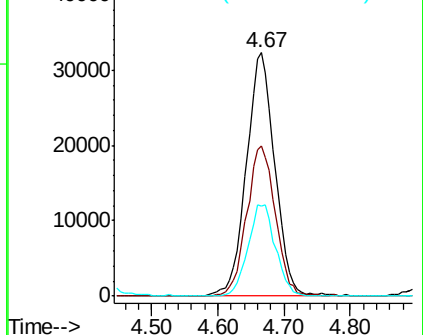
76 36.5 29.0 43.4

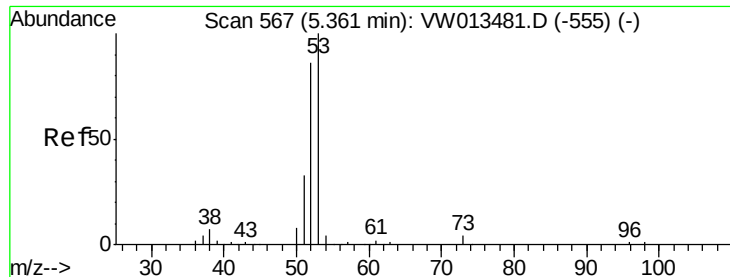


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 96.284 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

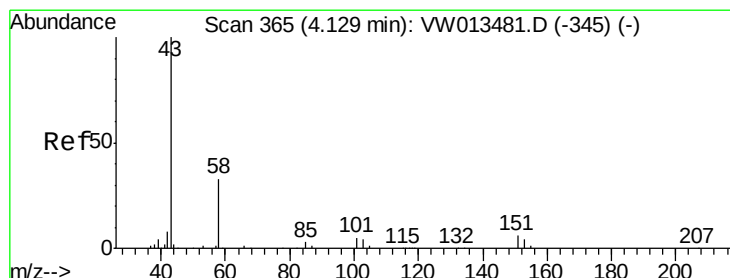
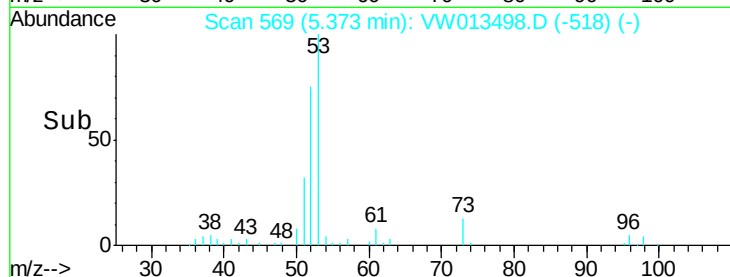
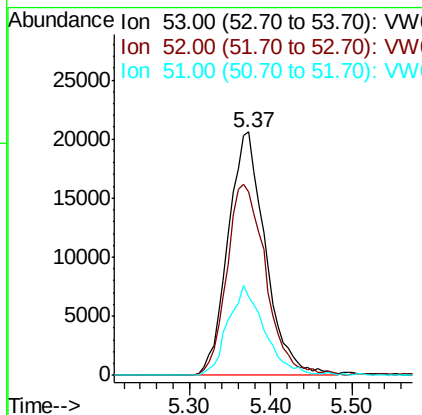
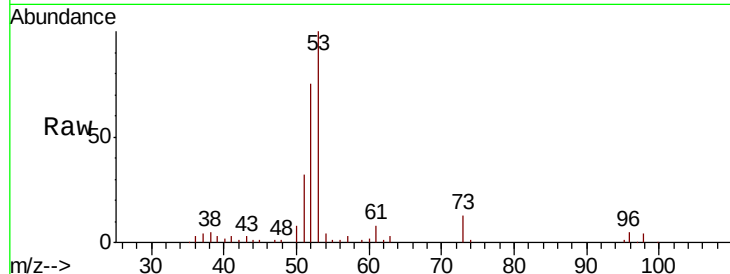
ClientSampleId :

VW1009SBS01

Tot Ion:	53	Resp:	65477
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.8	98.8
51	36.2	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 92.148 ug/l

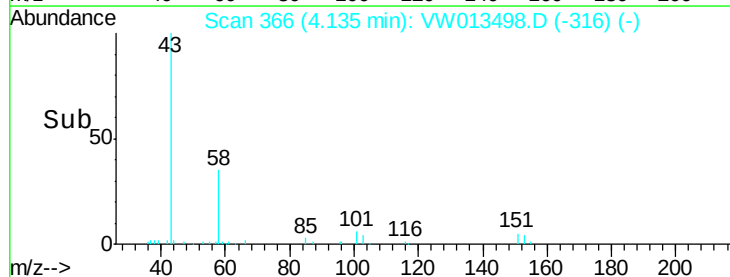
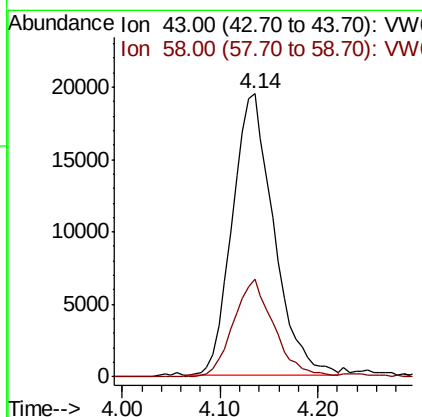
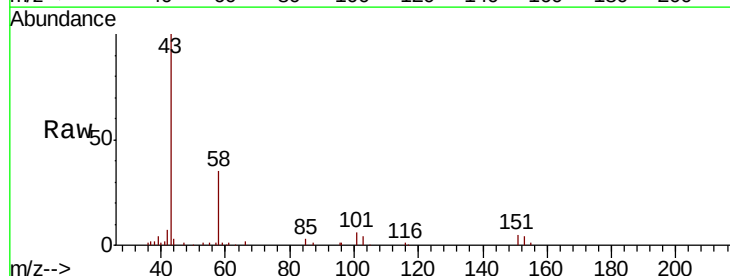
RT: 4.14 min Scan# 366

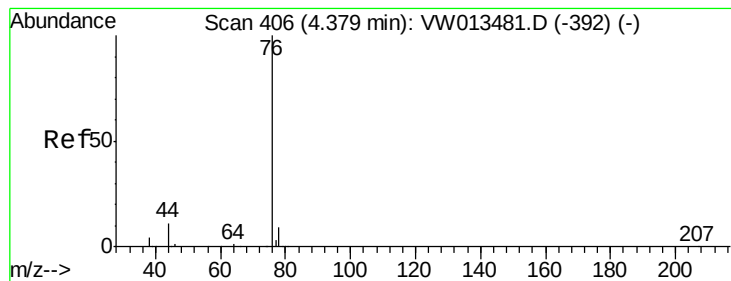
Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Tgt Ion:	43	Resp:	57314
Ion	Ratio	Lower	Upper
43	100		
58	34.8	26.1	39.1





#17

Carbon Disulfide

Concen: 20.616 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tot Ion: 76 Resp: 173750

Ion Ratio Lower Upper

76 100

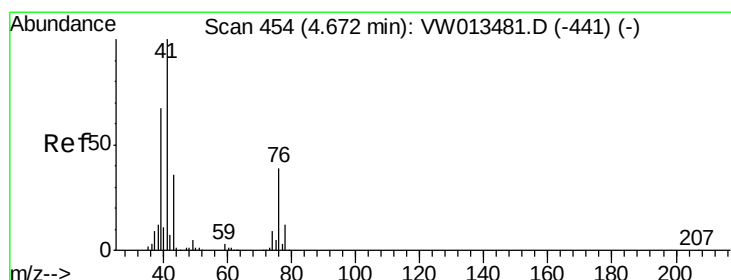
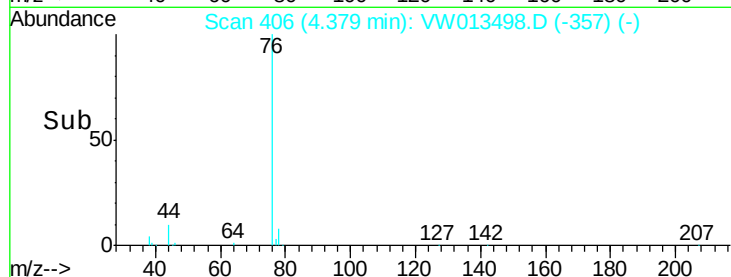
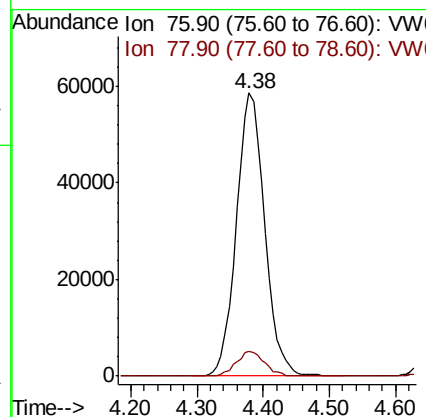
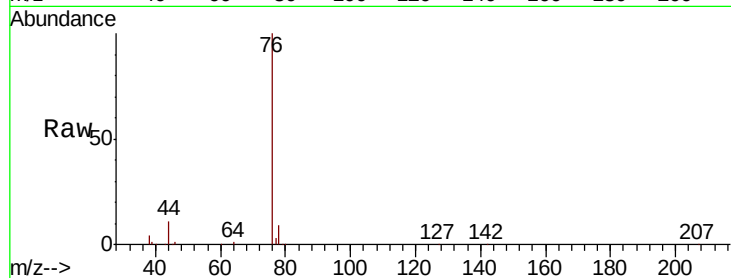
78 8.6 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 19.594 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW013498.D

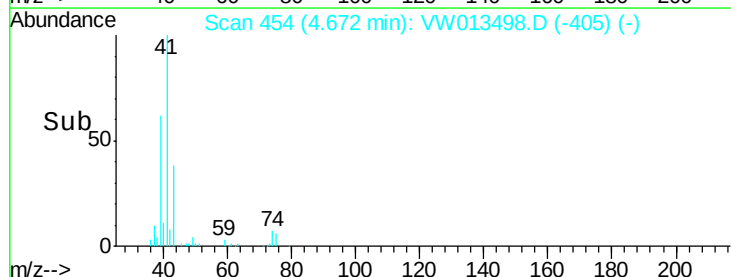
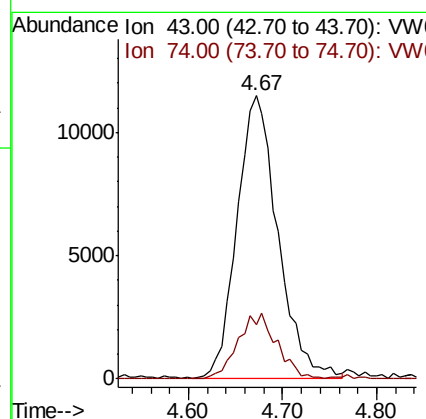
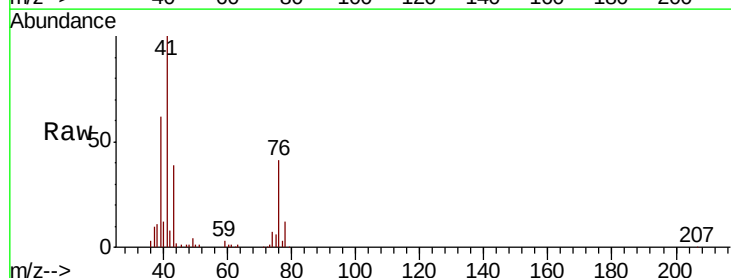
Acq: 09 Oct 2019 12:43

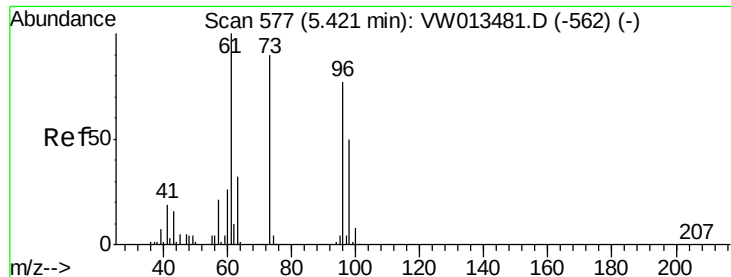
Tgt Ion: 43 Resp: 34909

Ion Ratio Lower Upper

43 100

74 22.0 19.6 29.4





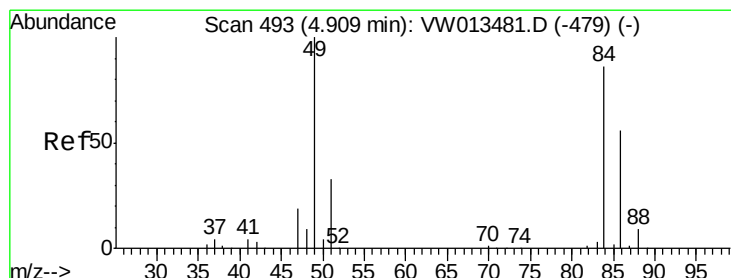
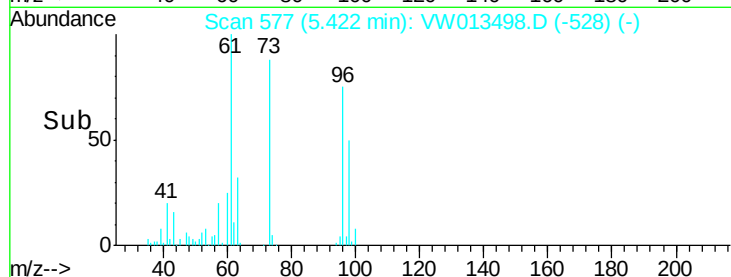
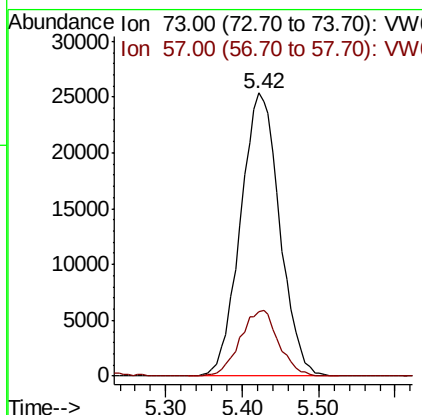
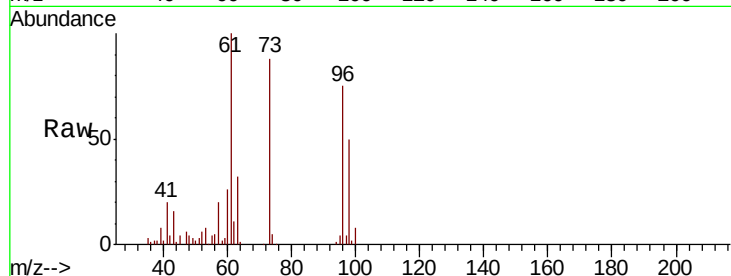
#19
Methyl tert-butyl Ether
Concen: 19.870 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion: 73 Resp: 90214
Ion Ratio Lower Upper
73 100
57 22.8 18.6 27.8

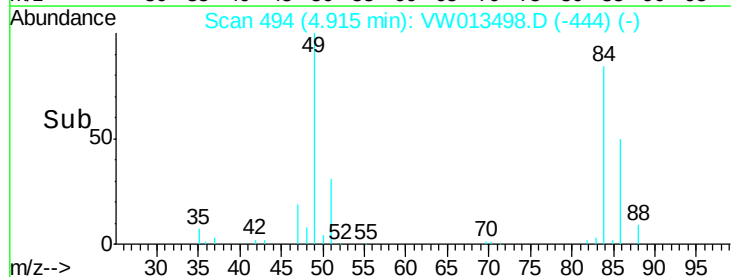
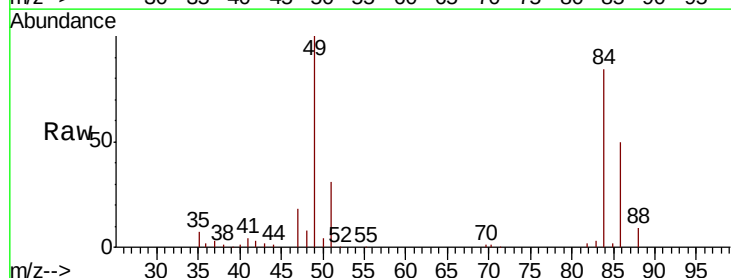
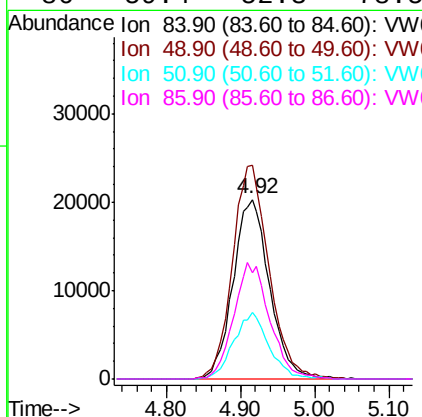
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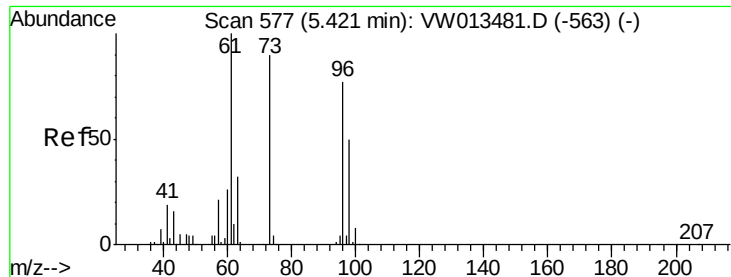
MMDadoda
10/11/2019 4:40:38 PM



#20
Methylene Chloride
Concen: 20.731 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 84 Resp: 69485
Ion Ratio Lower Upper
84 100
49 119.2 93.4 140.0
51 37.1 30.6 46.0
86 59.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.730 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

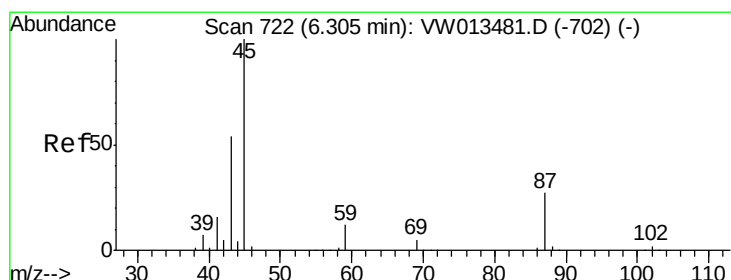
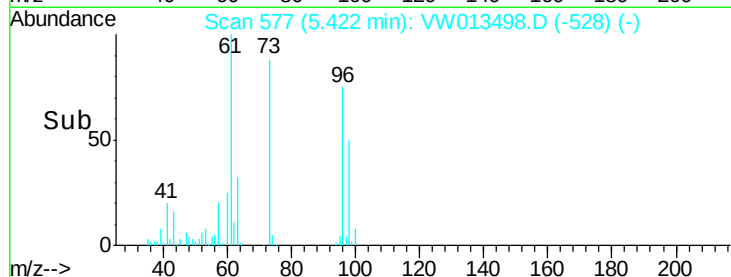
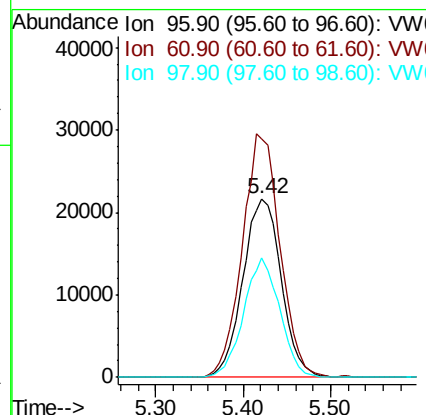
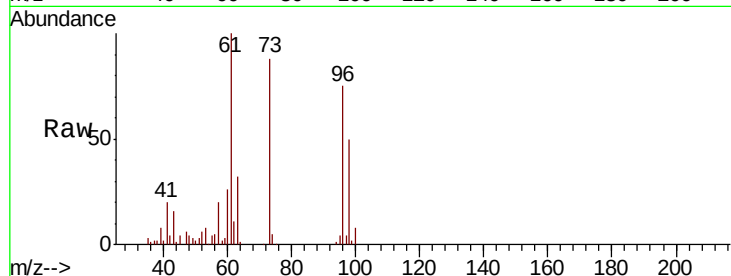
ClientSampleId :

VW1009SBS01

Tot Ion:	96	Resp:	66138
Ion	Ratio	Lower	Upper
96	100		
61	133.3	104.3	156.5
98	66.8	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.534 ug/l

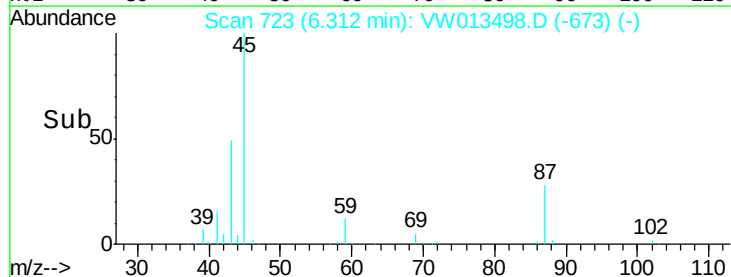
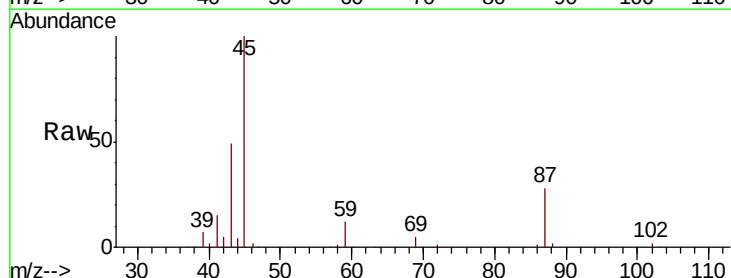
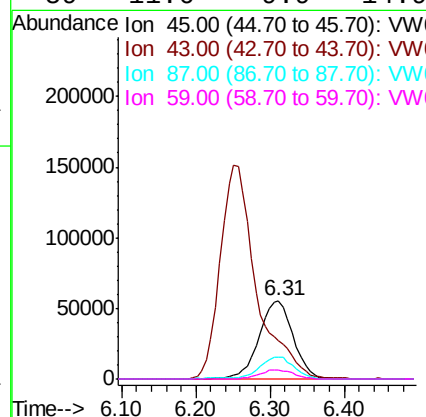
RT: 6.31 min Scan# 723

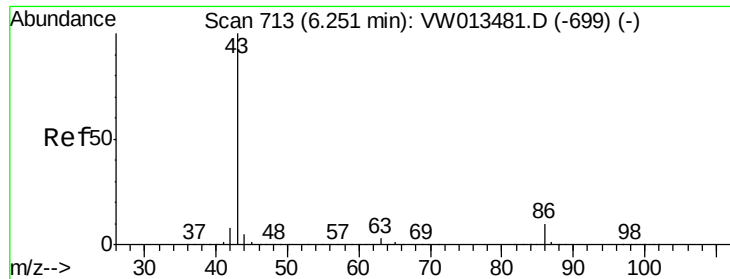
Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Tgt Ion:	45	Resp:	177524
Ion	Ratio	Lower	Upper
45	100		
43	48.6	43.4	65.0
87	28.3	22.1	33.1
59	11.6	9.9	14.9





#23

Vinyl Acetate

Concen: 98.472 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleID :

VW1009SBS01

Tot Ion: 43 Resp: 511096

Ion Ratio Lower Upper

43 100

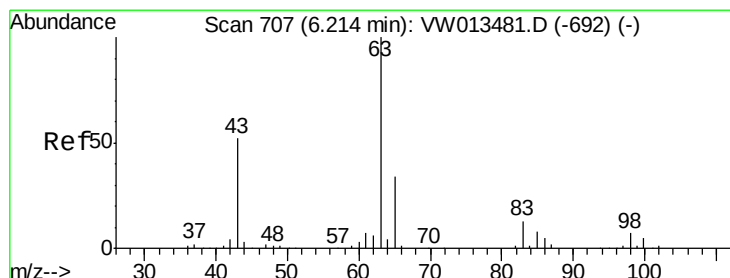
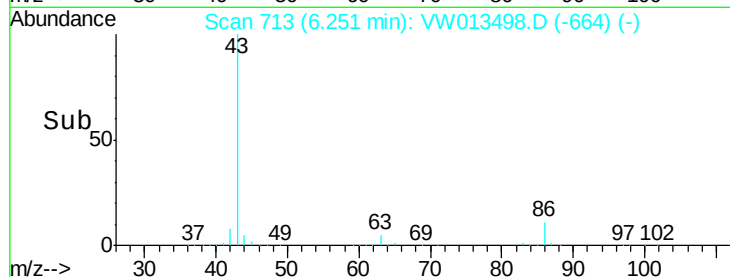
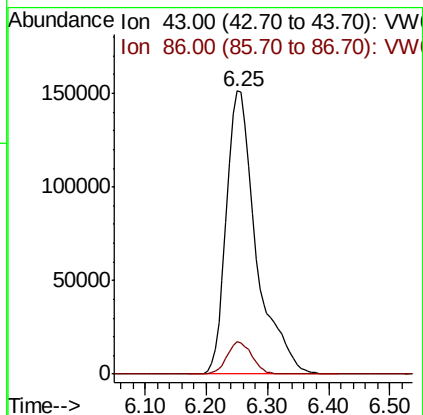
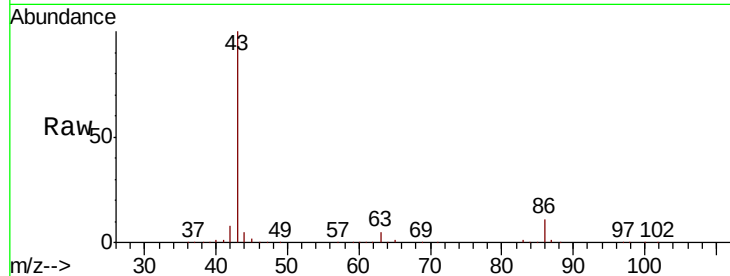
86 11.4 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.915 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

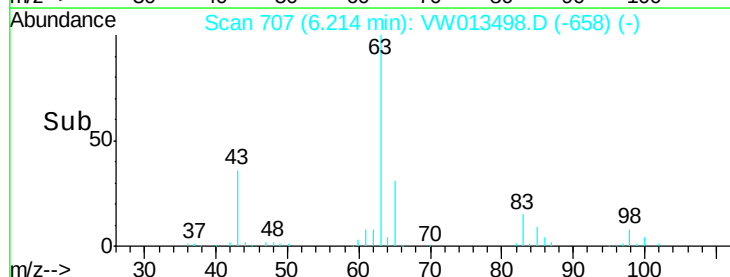
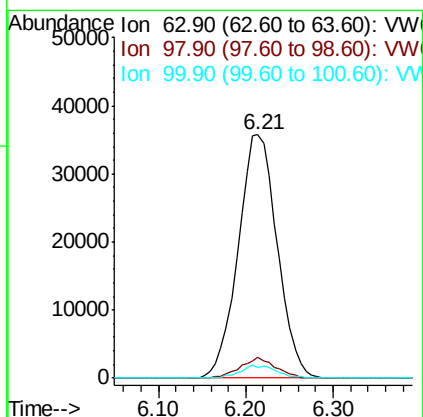
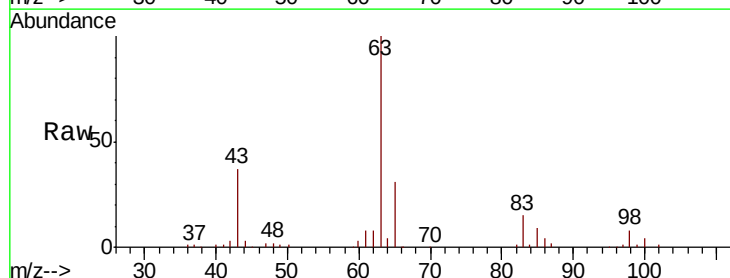
Tgt Ion: 63 Resp: 110517

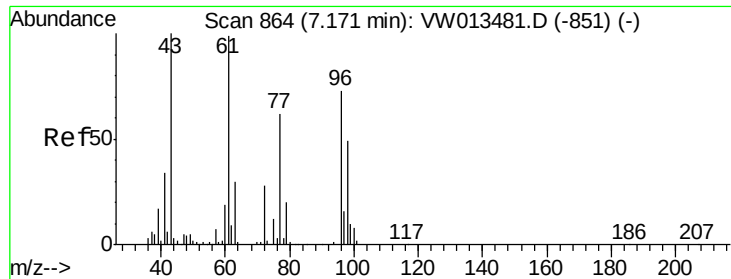
Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.6

100 4.5 2.3 6.8





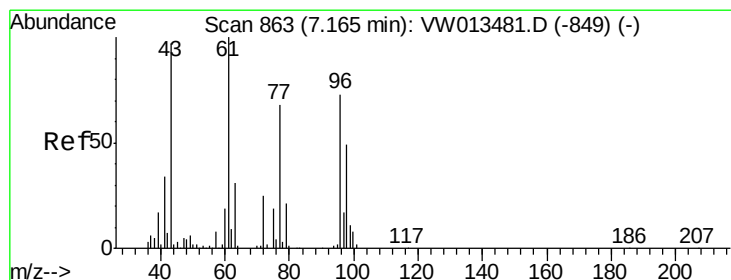
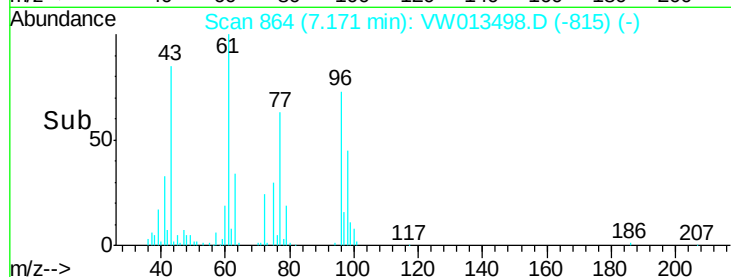
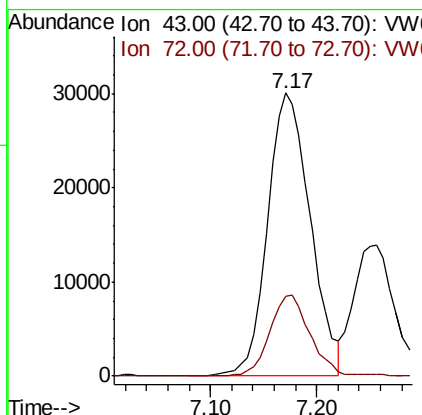
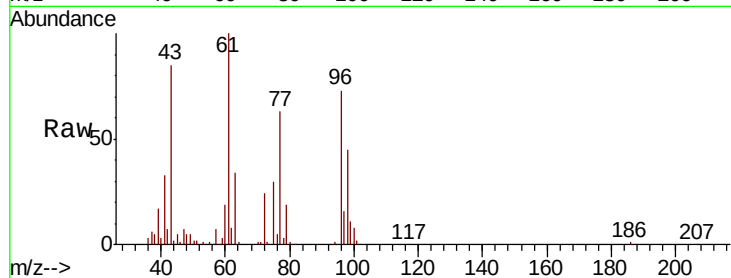
#25
2-Butanone
Concen: 91.193 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

Tot Ion	43	Resp	83591
Ion Ratio	Lower	Upper	
43	100		
72	28.2	22.1	33.1

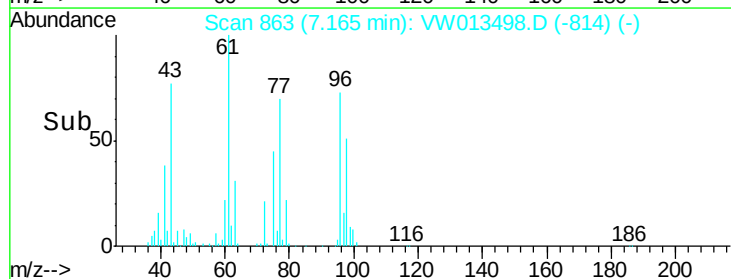
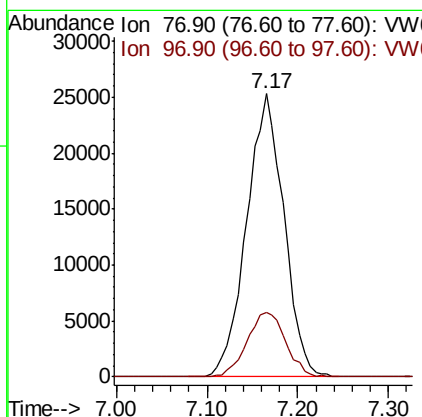
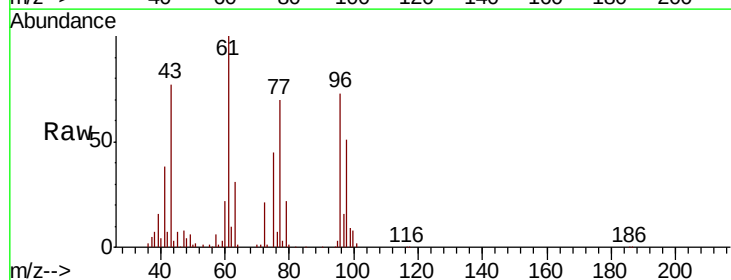
Manual Integrations
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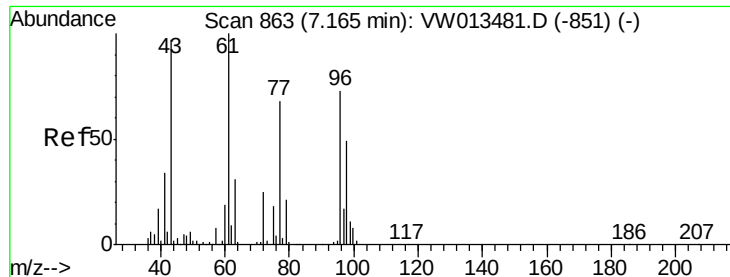
MMDadoda
10/11/2019 4:40:38 PM



#26
2,2-Dichloropropane
Concen: 21.133 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	77	Resp	71987
Ion Ratio	Lower	Upper	
77	100		
97	23.6	12.6	37.6





#27

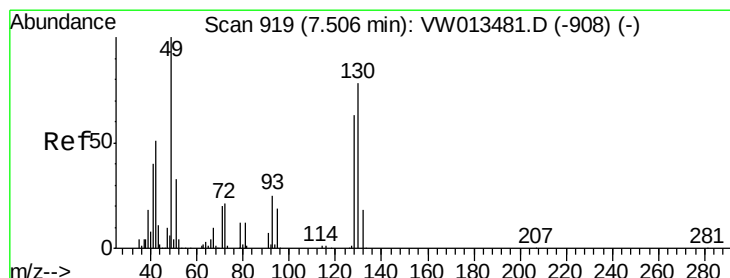
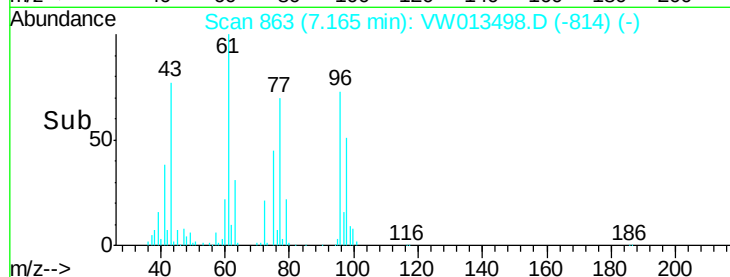
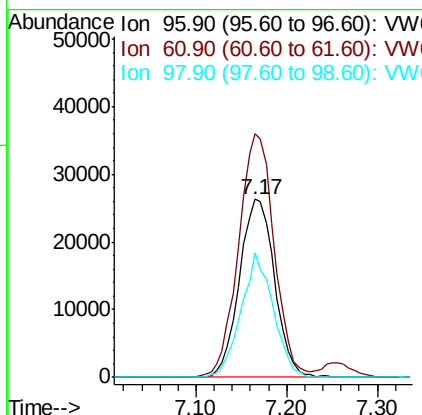
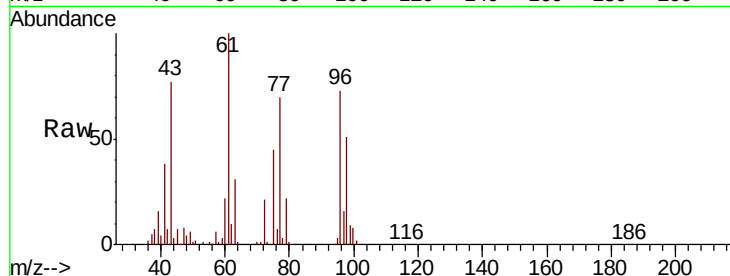
cis-1,2-Dichloroethene
Concen: 20.933 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	274.4
98	63.9	0.0	130.2

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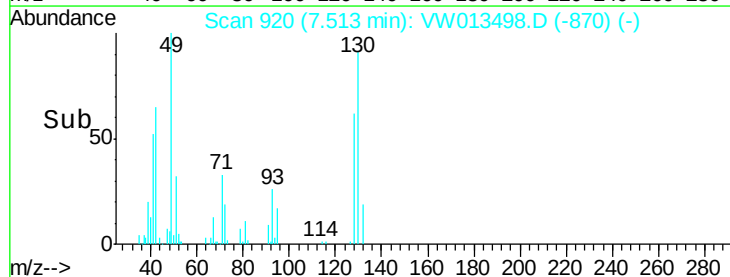
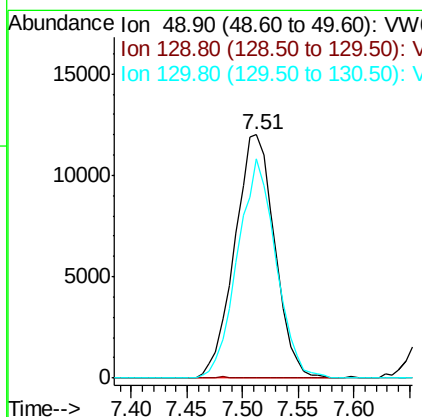
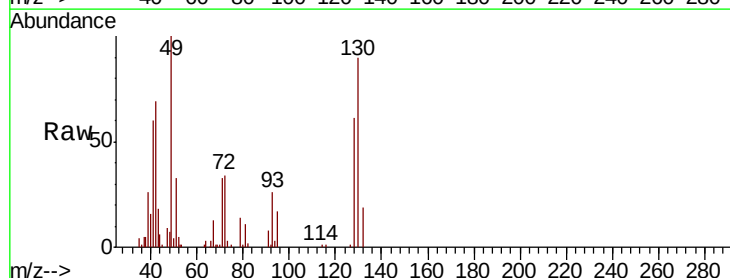
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10/11/2019 4:40:38 PM

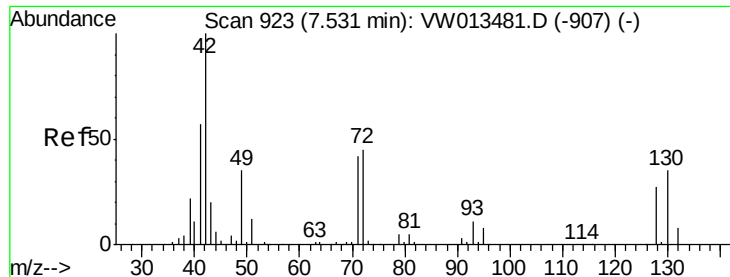


#28

Bromochloromethane
Concen: 16.347 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.6
130	86.2	0.0	0.0#





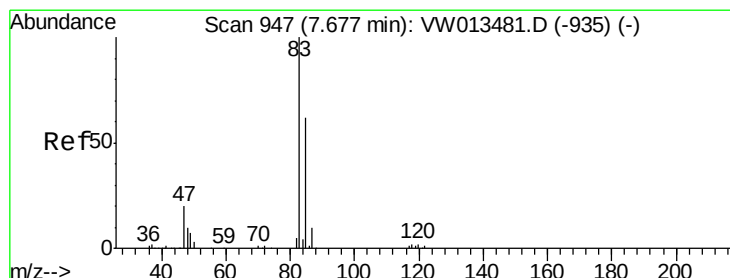
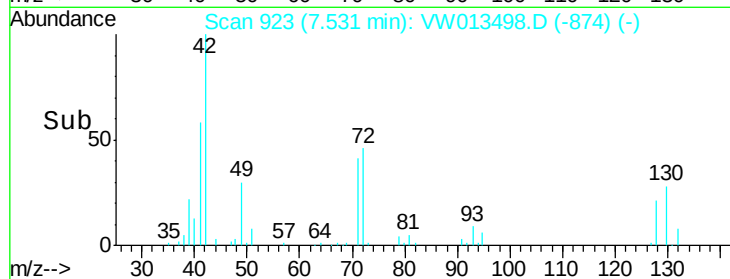
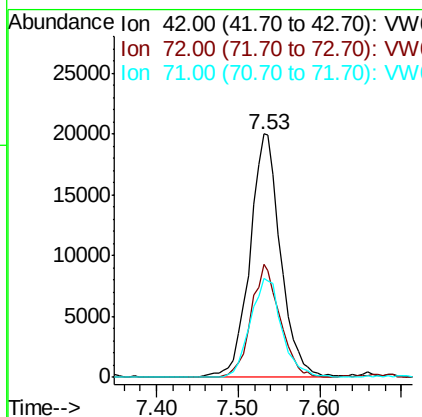
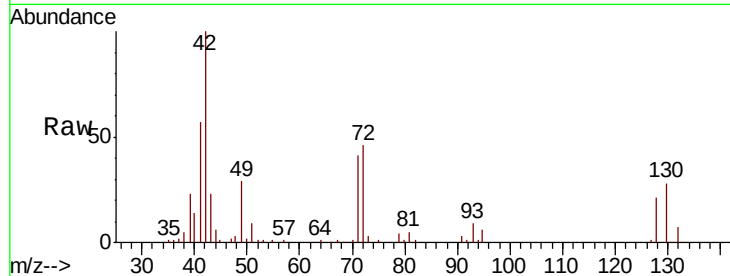
#29
Tetrahydrofuran
Concen: 94.034 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.8	52.2
71	41.4	33.6	50.4

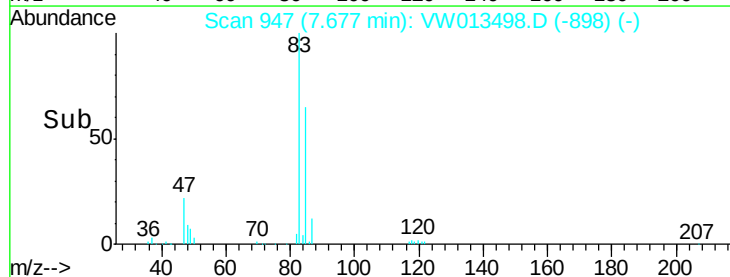
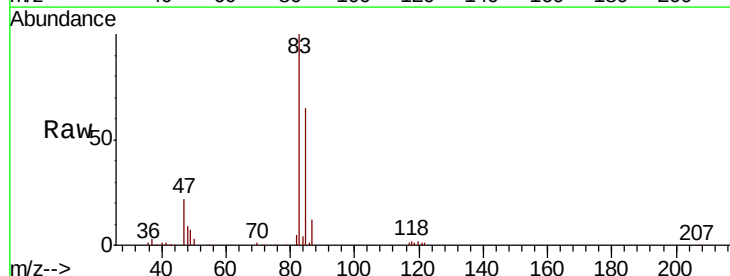
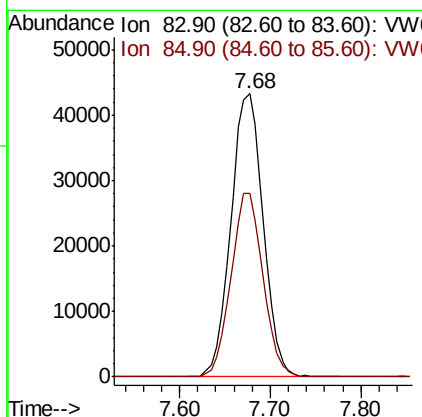
Manual Integrations
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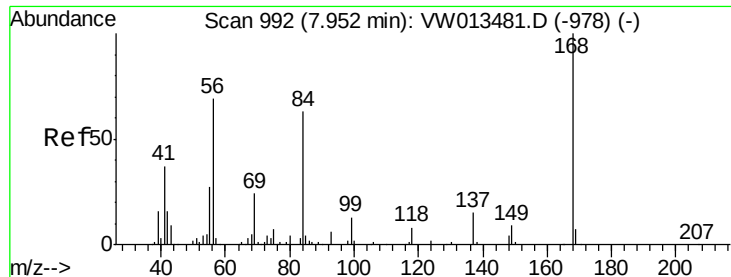
MMDadoda
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#30
Chloroform
Concen: 20.853 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.4	74.2





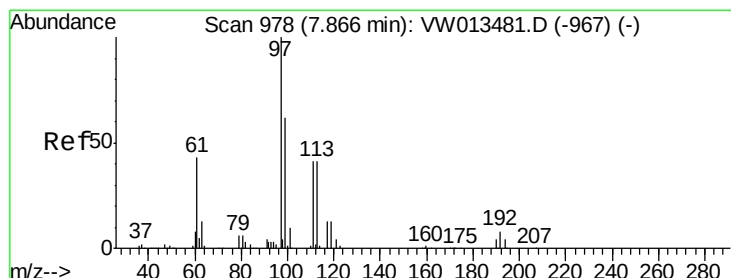
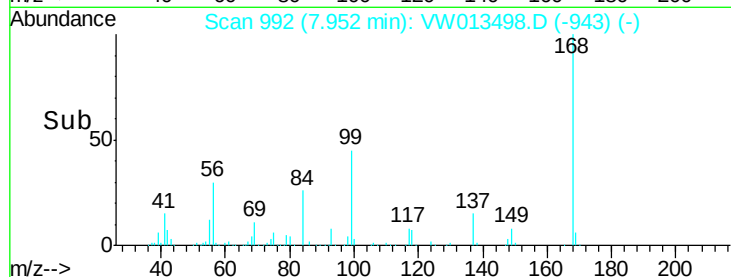
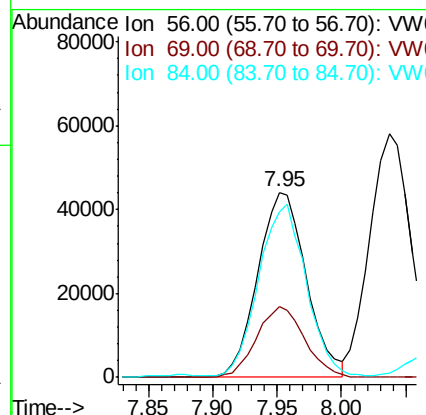
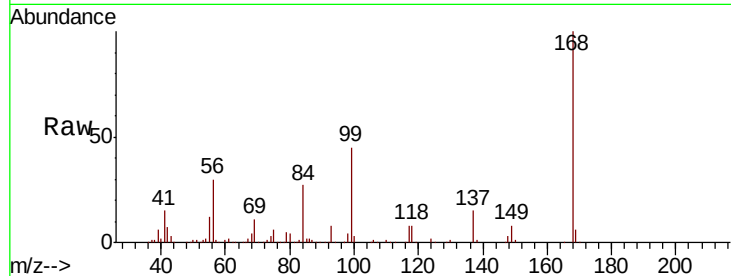
#31
Cyclohexane
Concen: 20.614 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	115290		
69	38.2		28.0	42.0
84	88.8		71.8	107.6

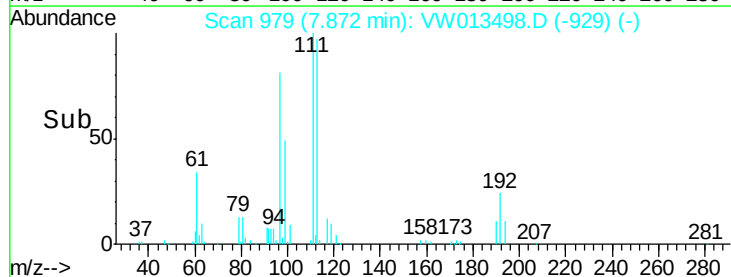
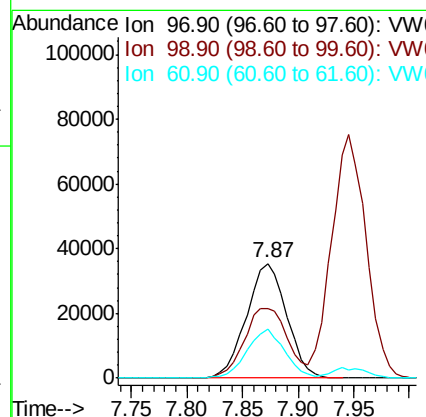
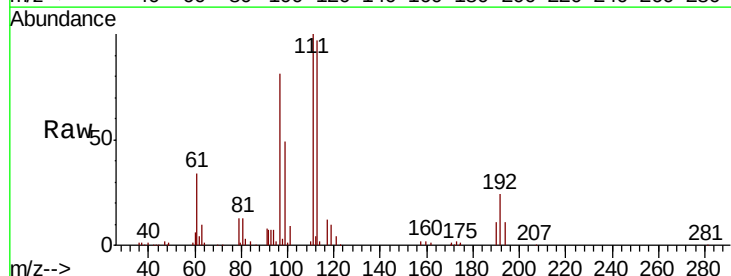
Manual Integrations
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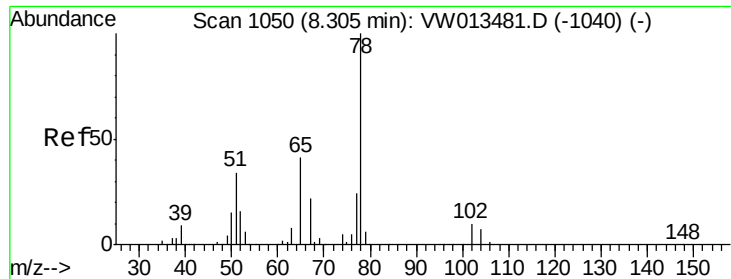
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.338 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	88657		
99	66.3		52.3	78.5
61	40.1		33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 47.306 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tot Ion: 65 Resp: 126439

Ion Ratio Lower Upper

65 100

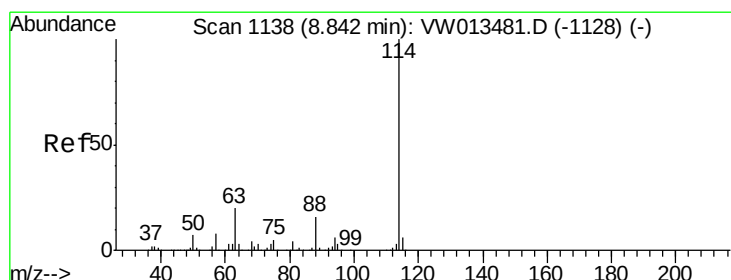
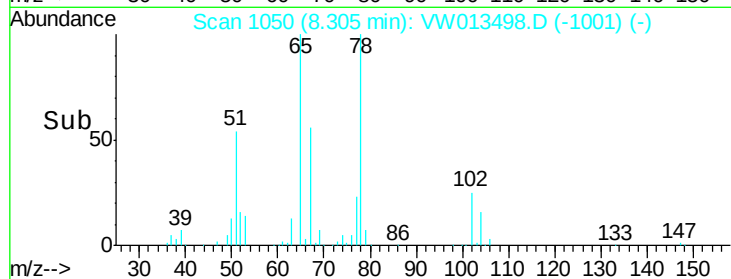
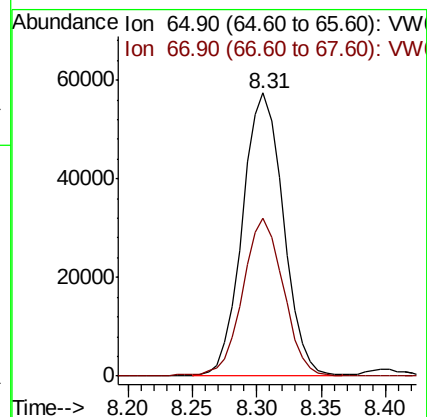
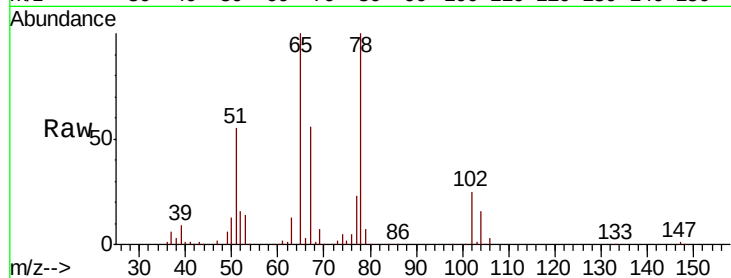
67 55.5 0.0 109.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

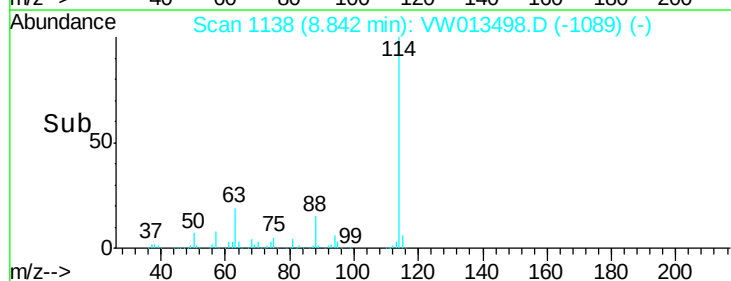
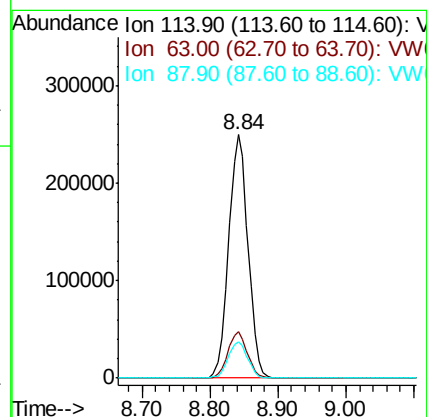
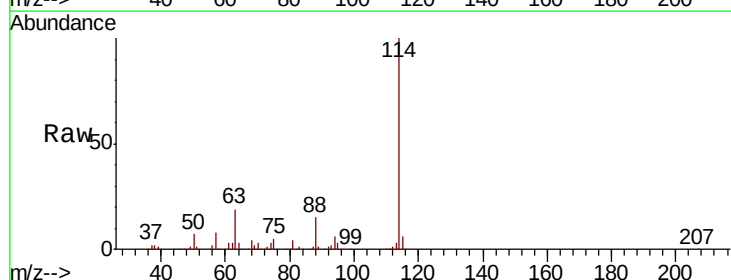
Tgt Ion: 114 Resp: 488485

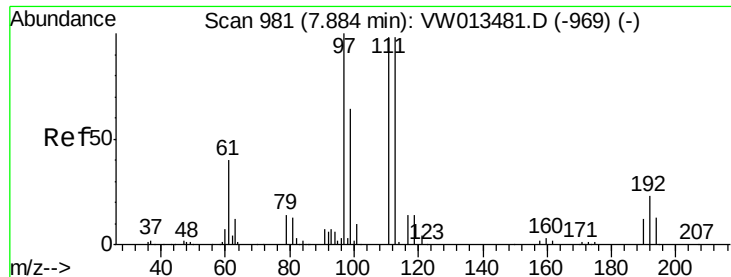
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.4

88 14.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.626 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

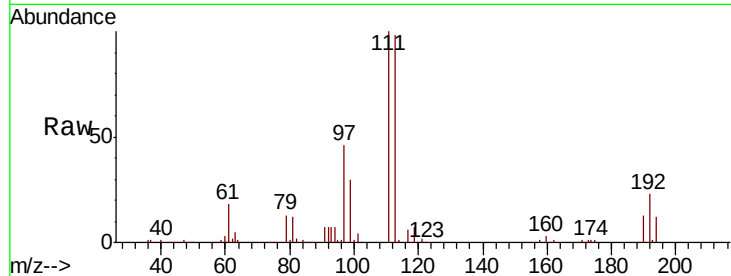
ClientSampleId :

VW1009SBS01

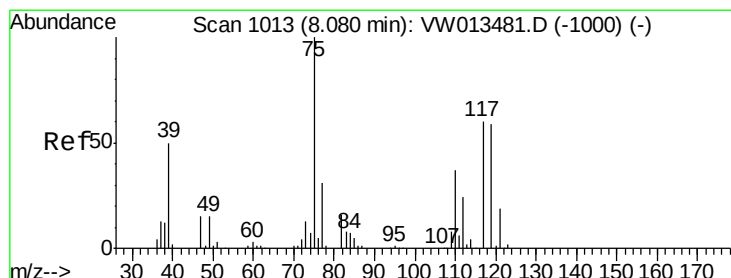
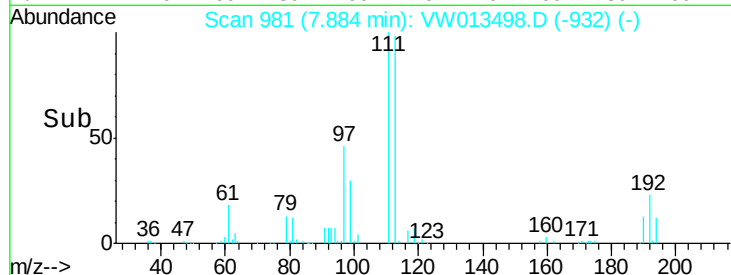
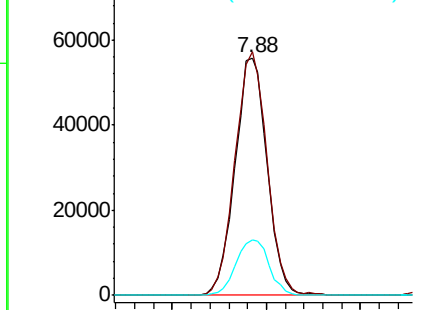
Tot Ion:	113	Resp:	132666
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.3	123.5
192	24.1	19.3	28.9

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.904 ug/l

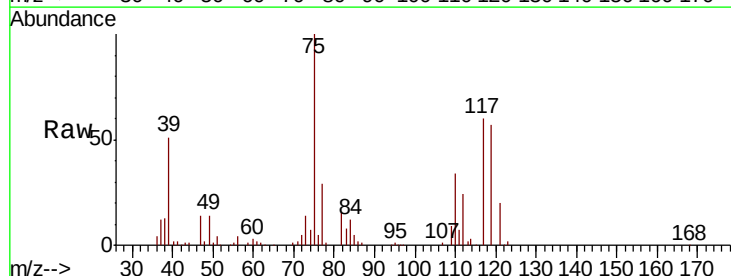
RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

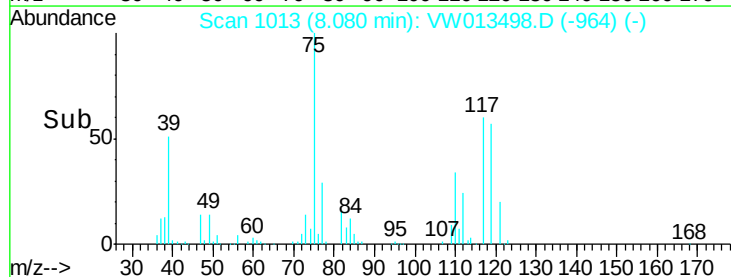
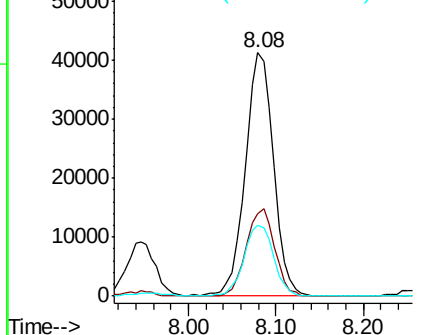
Lab File: VW013498.D

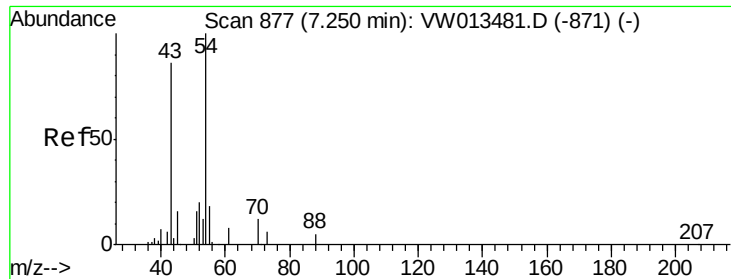
Acq: 09 Oct 2019 12:43

Tgt Ion:	75	Resp:	92374
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.4	55.2
77	30.9	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





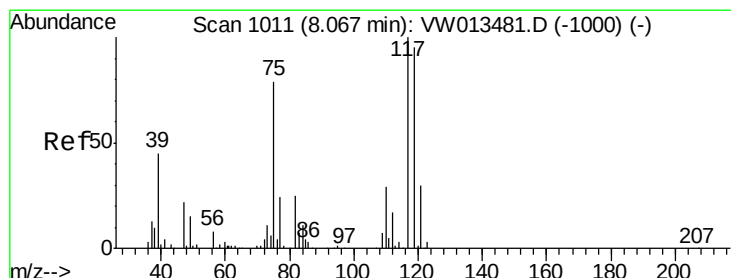
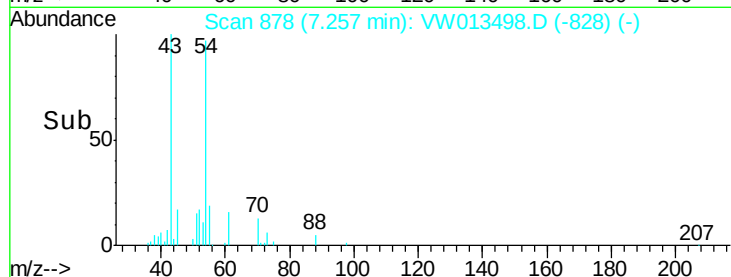
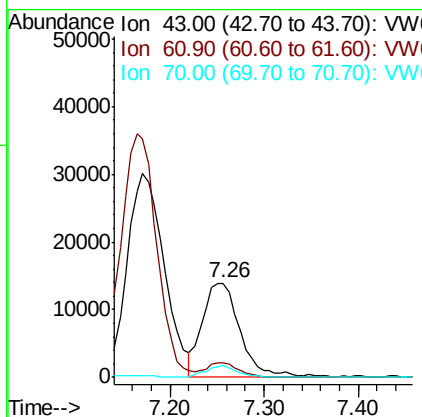
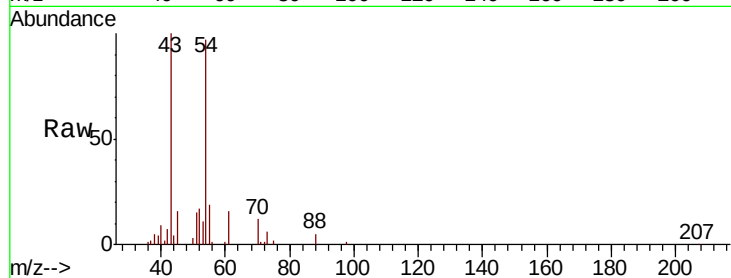
#37
Ethyl Acetate
Concen: 19.048 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	10.7	9.2	13.8

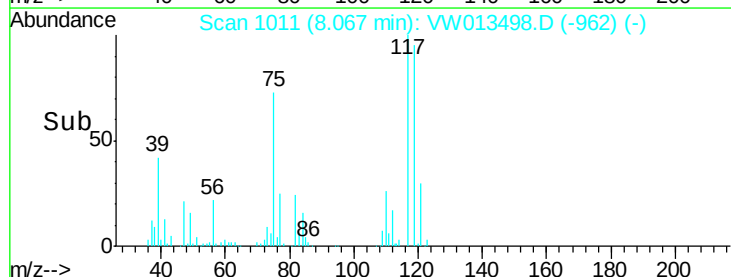
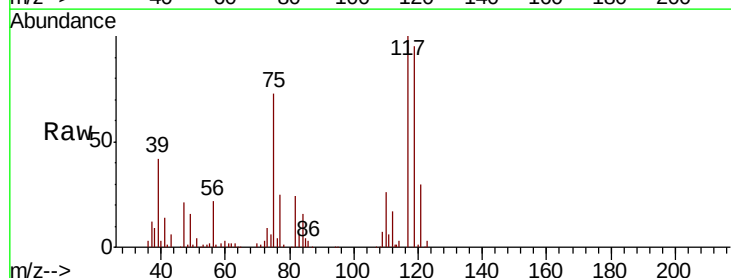
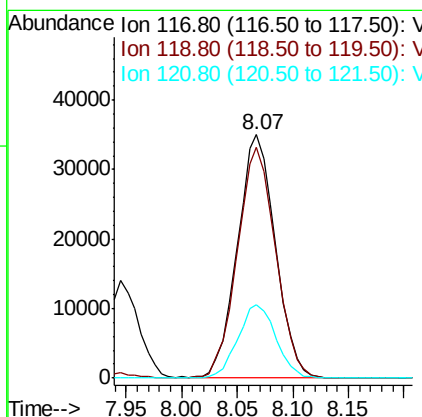
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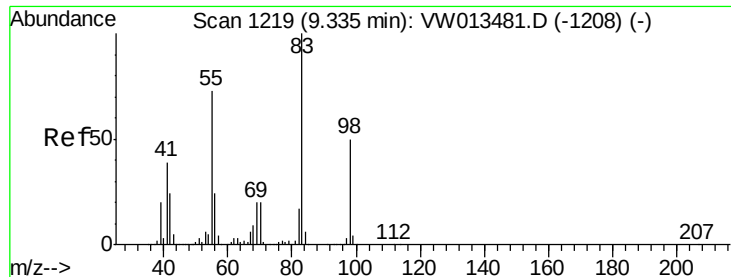
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#38
Carbon Tetrachloride
Concen: 21.182 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.3	114.5
121	30.0	23.6	35.4





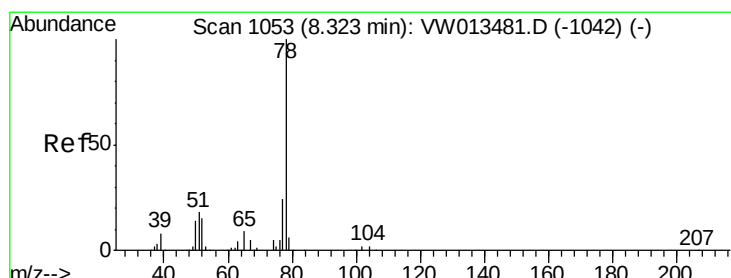
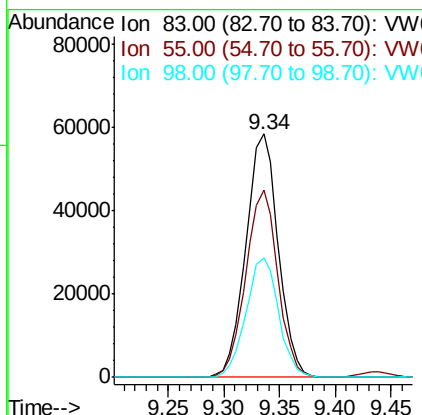
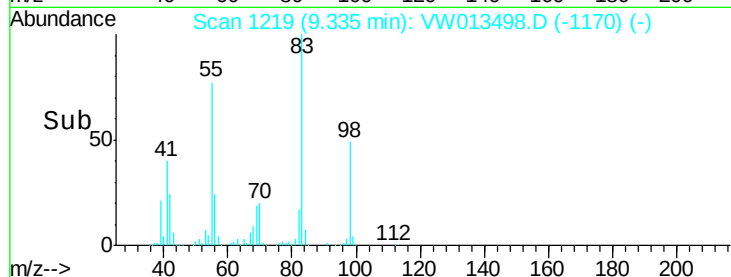
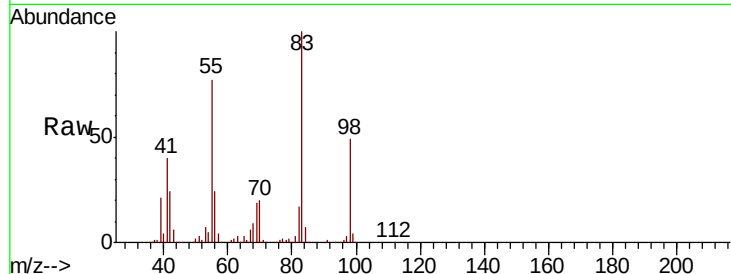
#39
Methylvlcyclohexane
Concen: 20.706 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	118543		
55	77.0		58.2	87.4
98	49.0		39.8	59.6

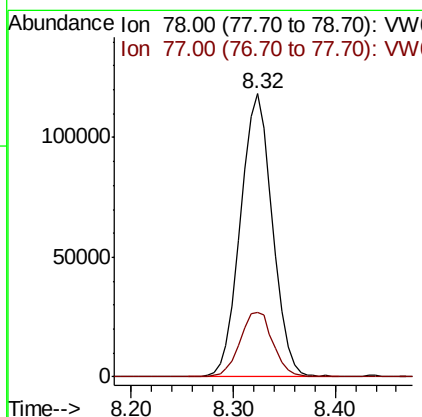
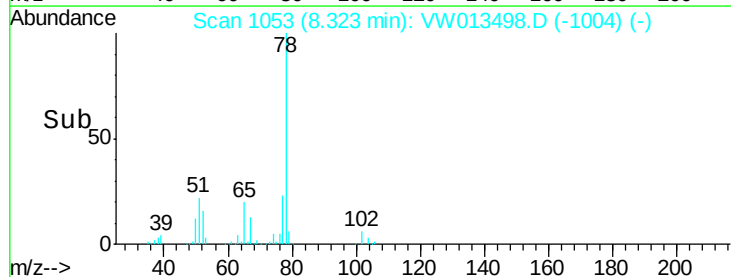
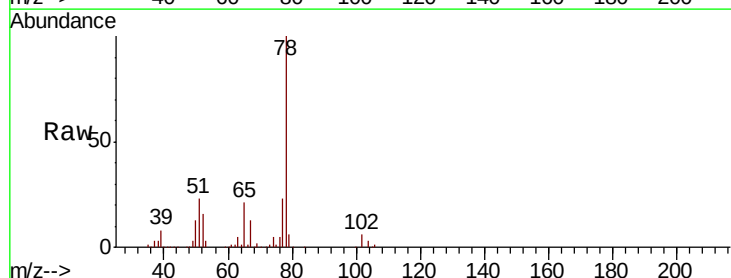
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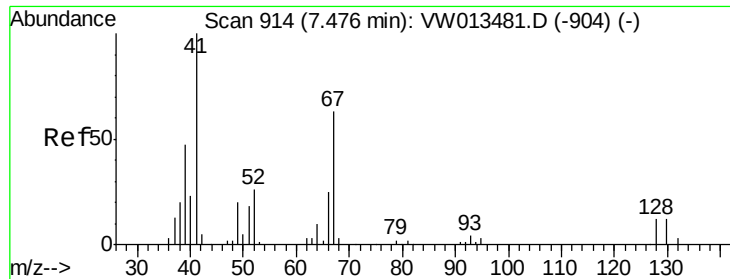
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#40
Benzene
Concen: 20.931 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	258196		
77	23.0		19.2	28.8





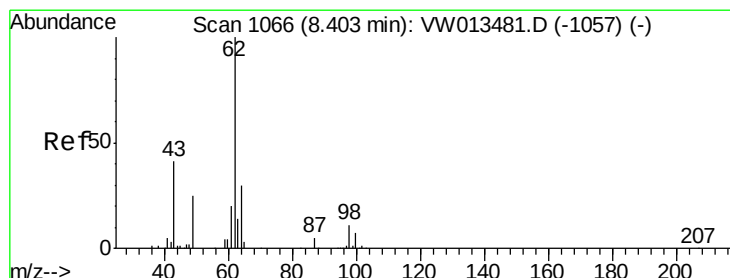
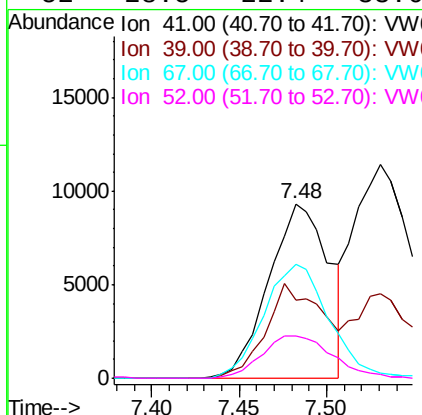
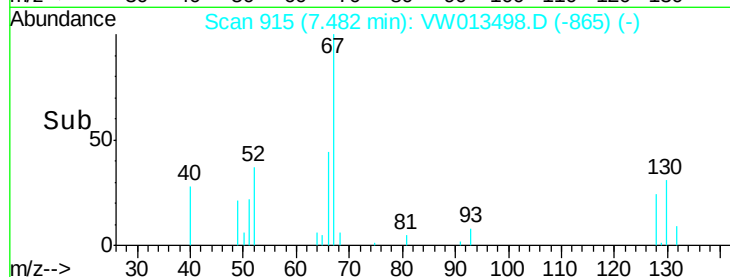
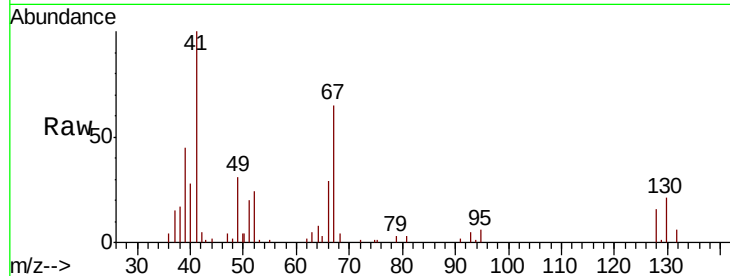
#41
Methacrylonitrile
Concen: 19.659 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	41	Resp	22414
Ion	Ratio	Lower	Upper
41	100		
39	51.5	39.4	59.0
67	70.8	57.0	85.6
52	28.5	22.4	33.6

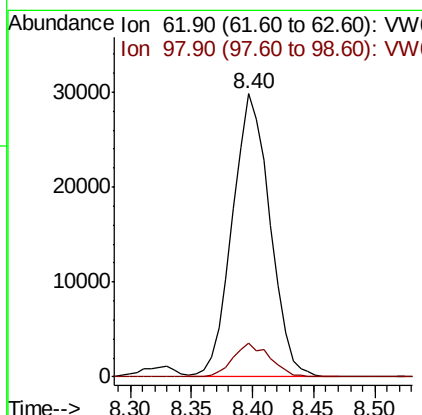
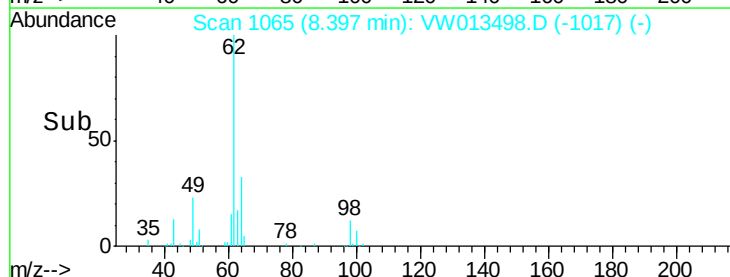
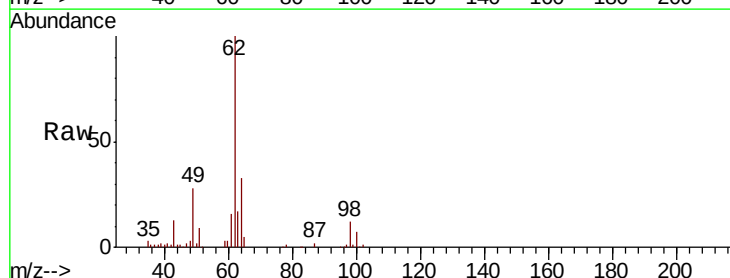
Manual Integrations
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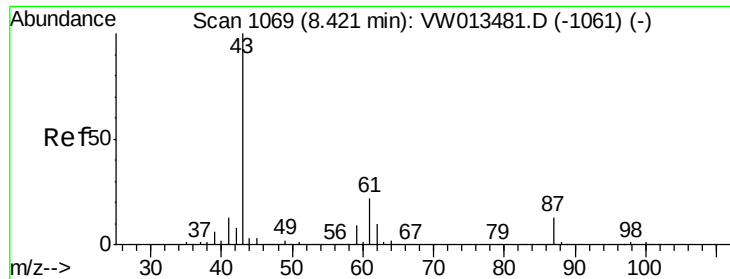
MMDadoda
10/11/2019 4:40:38 PM



#42
1,2-Dichloroethane
Concen: 20.454 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	62	Resp	63775
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.4





#43

Isopropyl Acetate

Concen: 19.006 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

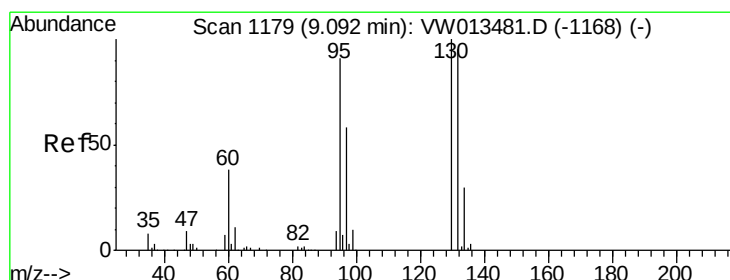
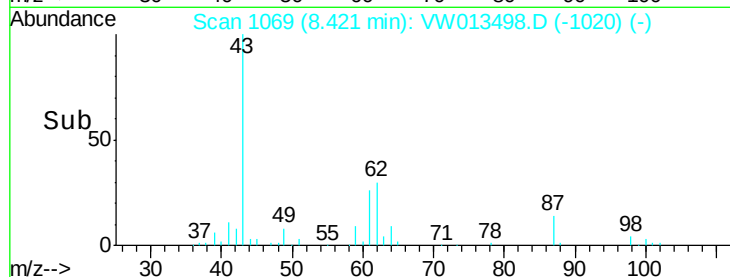
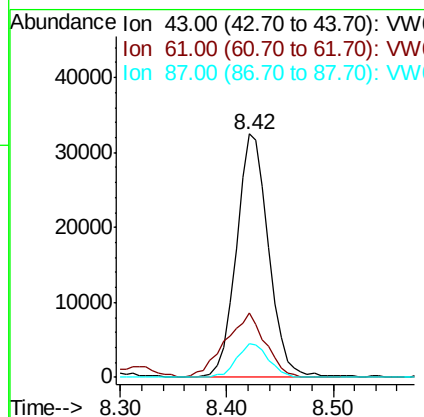
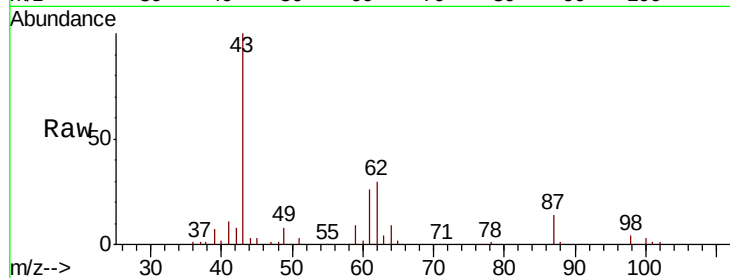
ClientSampleId :

VW1009SBS01

Tot Ion:	43	Resp:	68844
Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.4	38.2
87	13.6	10.8	16.2

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#44

Trichloroethene

Concen: 20.457 ug/l

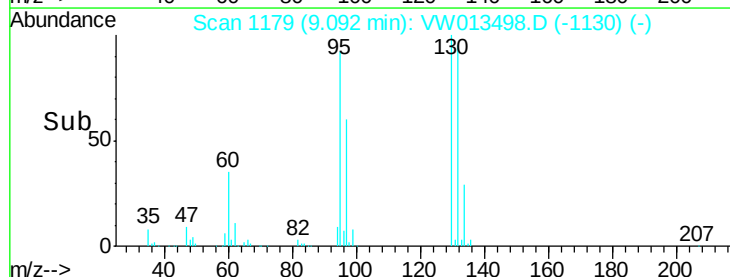
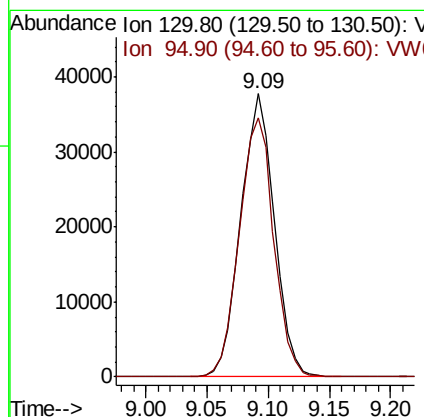
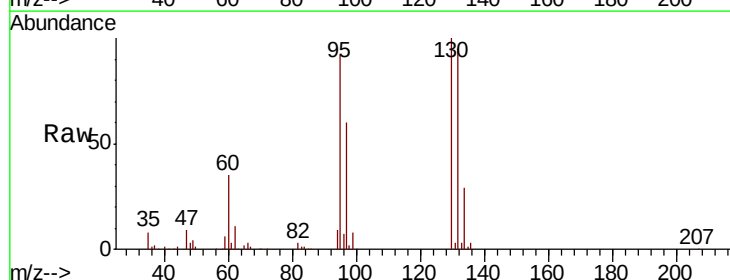
RT: 9.09 min Scan# 1179

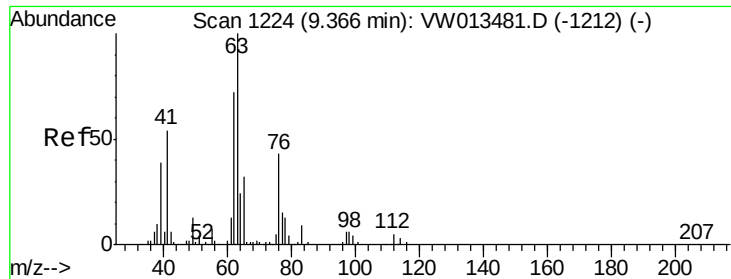
Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Tgt Ion:	130	Resp:	71989
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	182.2





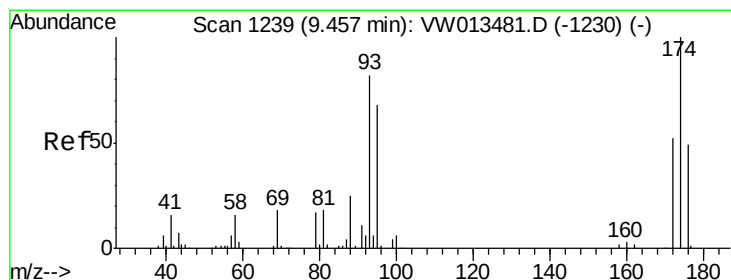
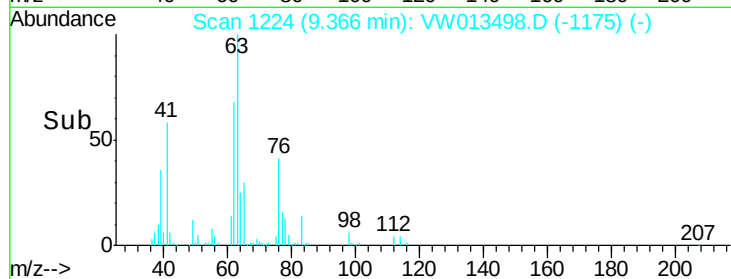
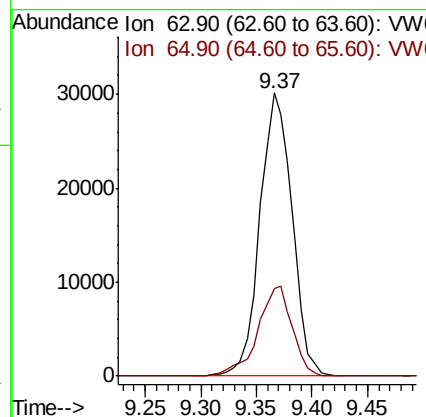
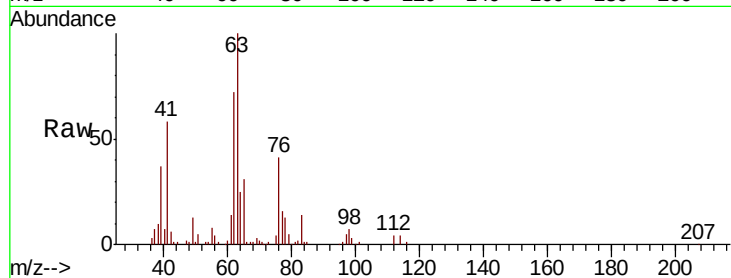
#45
 1,2-Dichloropropane
 Concen: 20.525 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampled :
 VW1009SBS01

Tot Ion: 63 Resp: 60770
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.8 38.6

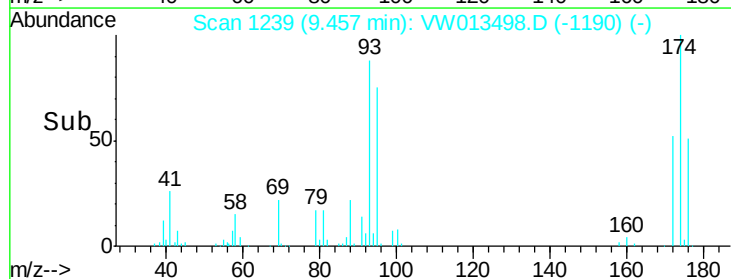
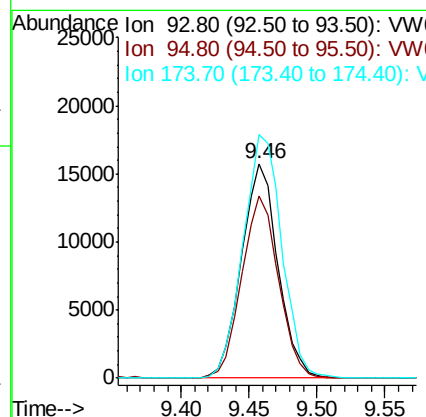
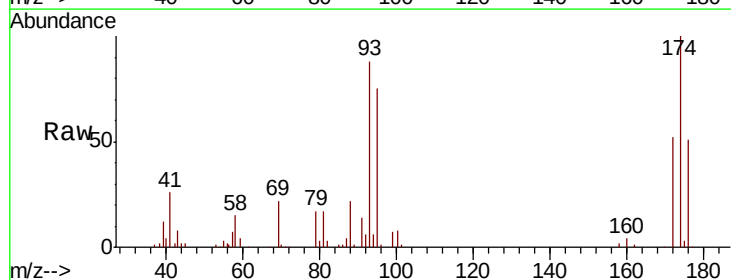
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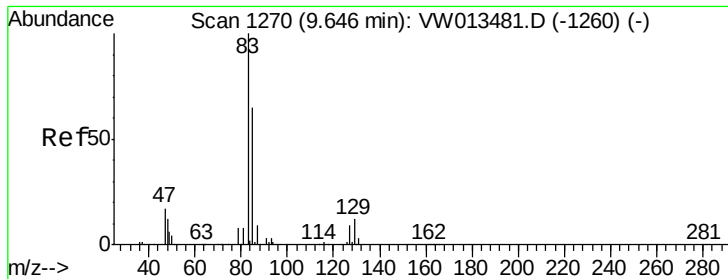
MMDadoda
 10/11/2019 4:40:38 PM



#46
 Dibromomethane
 Concen: 20.051 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 93 Resp: 29574
 Ion Ratio Lower Upper
 93 100
 95 85.5 68.0 102.0
 174 121.1 97.0 145.6





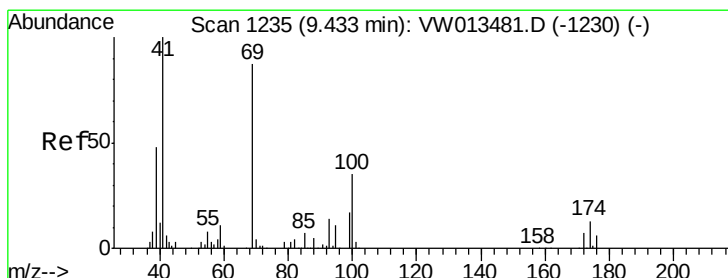
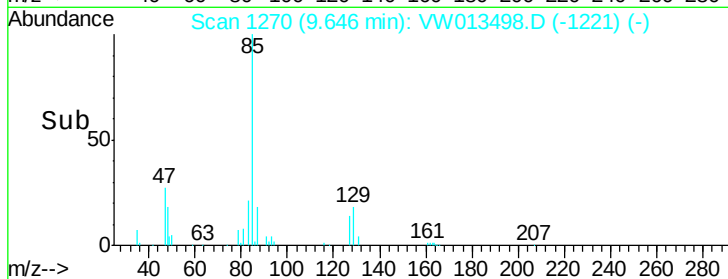
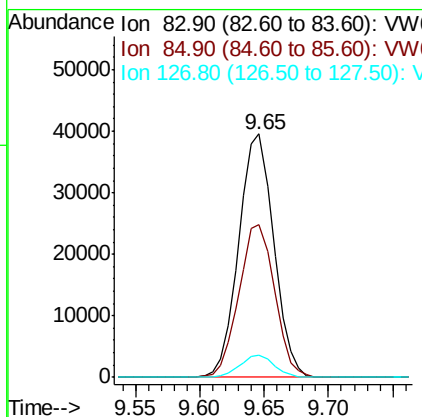
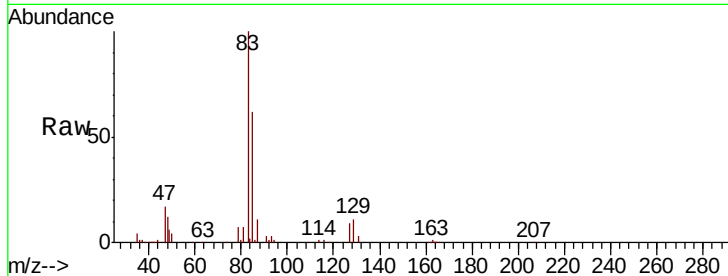
#47
Bromodichloromethane
Concen: 20.292 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.9	77.9
127	8.9	7.4	11.2

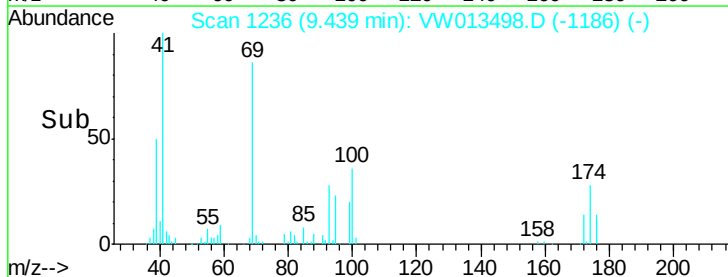
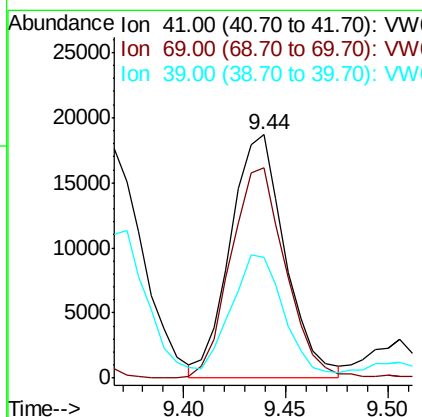
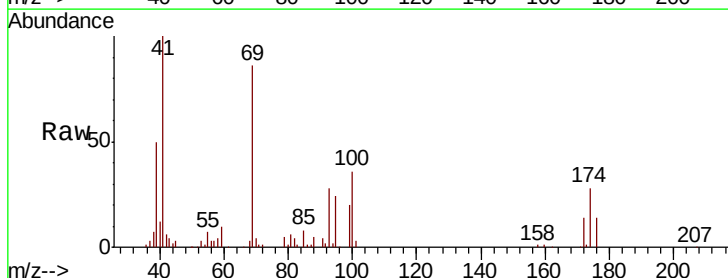
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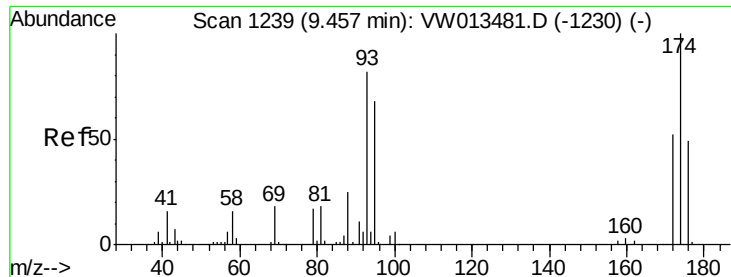
MMDadoda
10/11/2019 4:40:38 PM



#48
Methyl methacrylate
Concen: 19.439 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.1	70.4	105.6
39	44.9	37.3	55.9





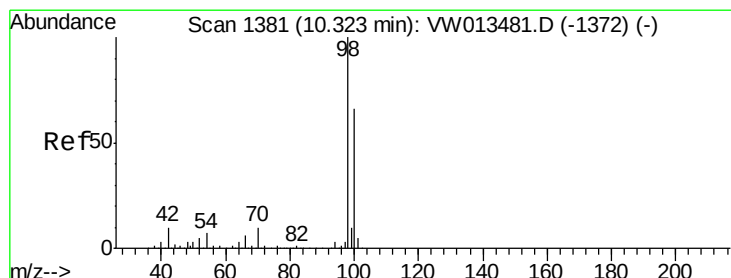
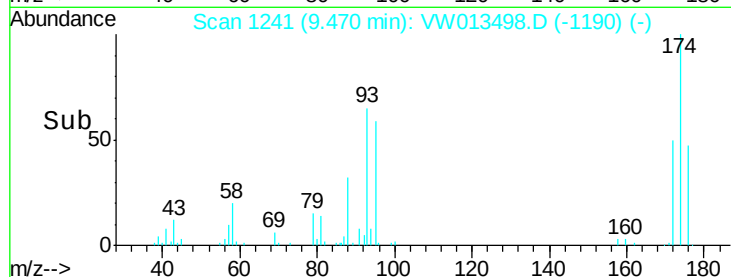
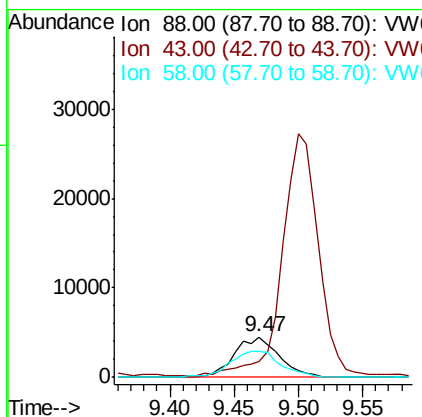
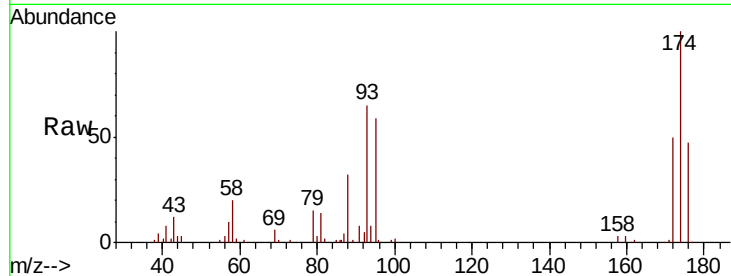
#49
1,4-Dioxane
Concen: 416.082 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

Tot Ion	88	Resp	10776
Ion Ratio	Lower	Upper	
88	100		
43	0.0	0.0	0.0
58	74.9	60.0	90.0

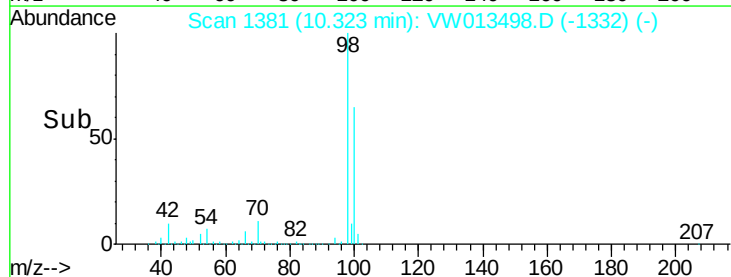
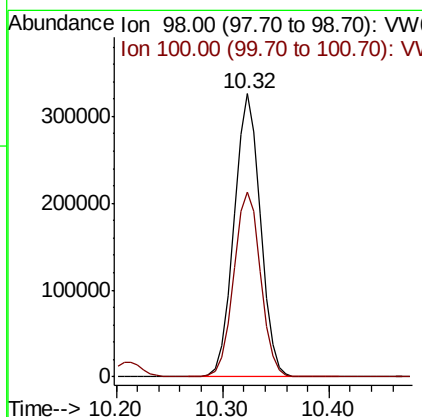
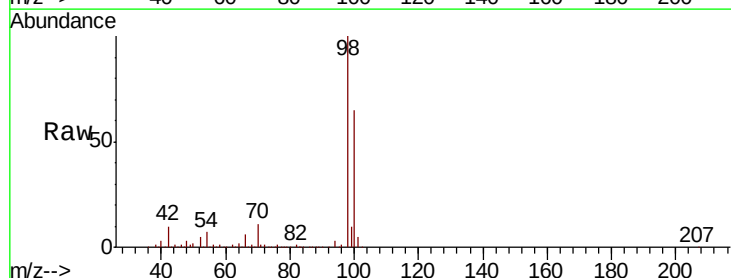
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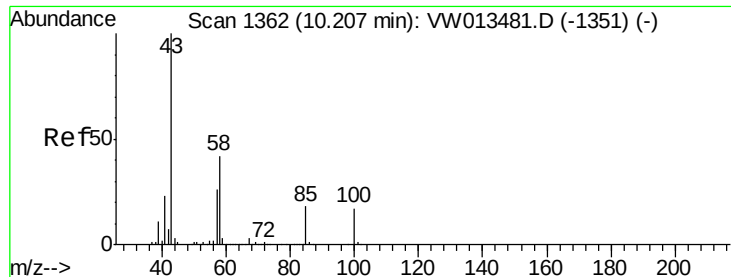
MMDadoda
10/11/2019 4:40:38 PM



#50
Toluene-d8
Concen: 49.379 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	98	Resp	566155
Ion Ratio	Lower	Upper	
98	100		
100	66.2	53.2	79.8





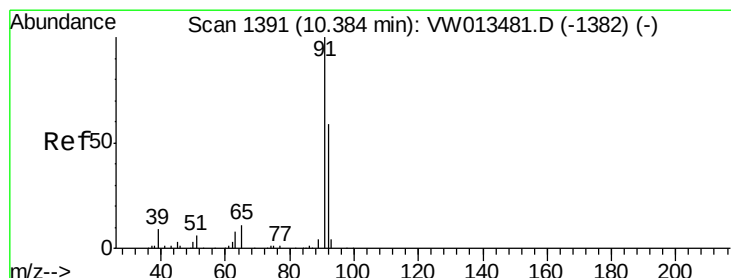
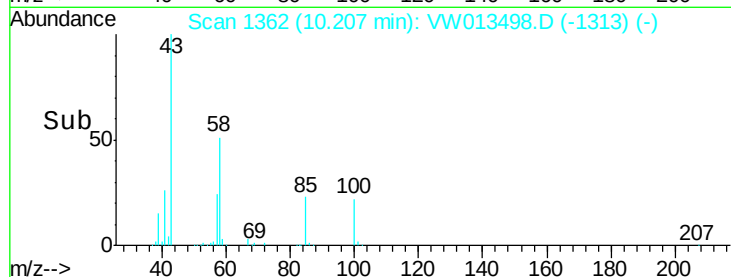
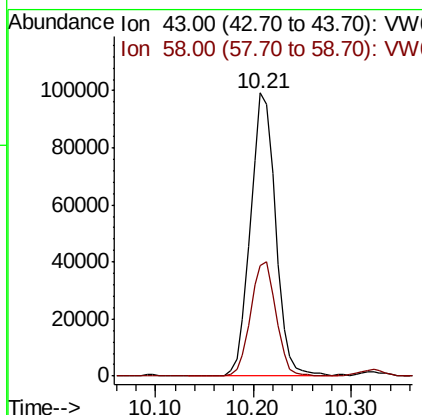
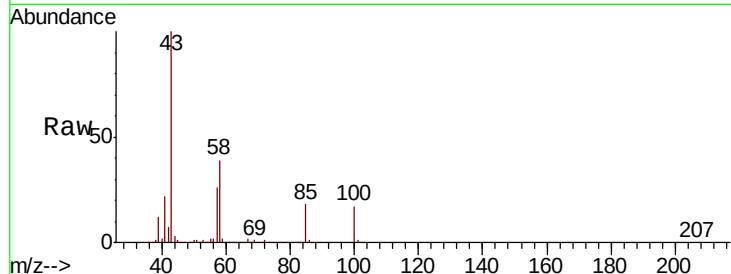
#51
 4-Methyl-2-Pentanone
 Concen: 93.446 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tot Ion: 43 Resp: 177954
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2

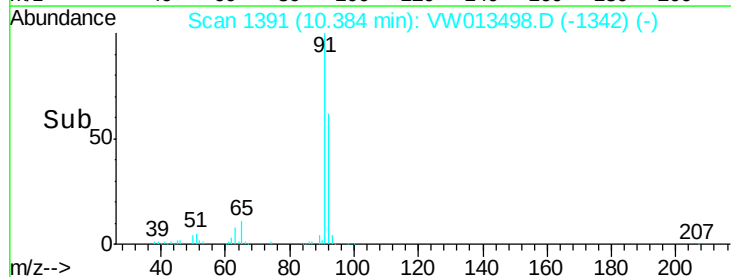
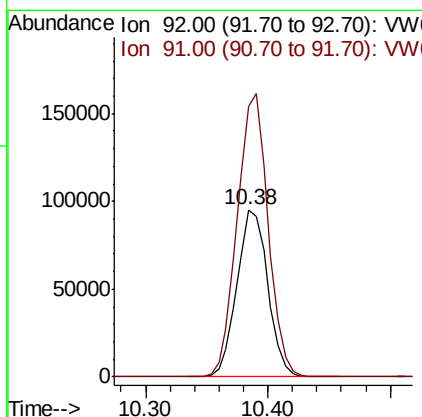
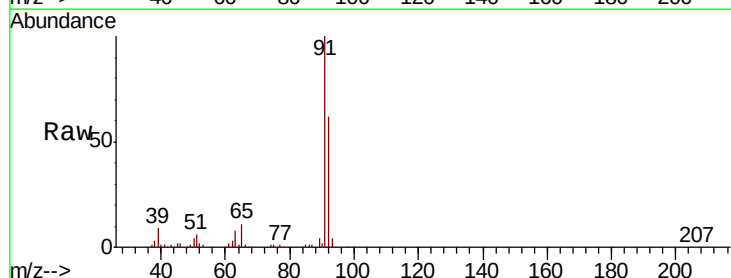
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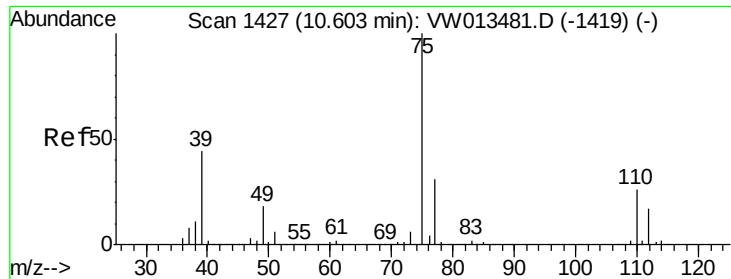
MMDadoda
 10/11/2019 4:40:38 PM



#52
 Toluene
 Concen: 20.942 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 92 Resp: 166403
 Ion Ratio Lower Upper
 92 100
 91 169.5 134.8 202.2





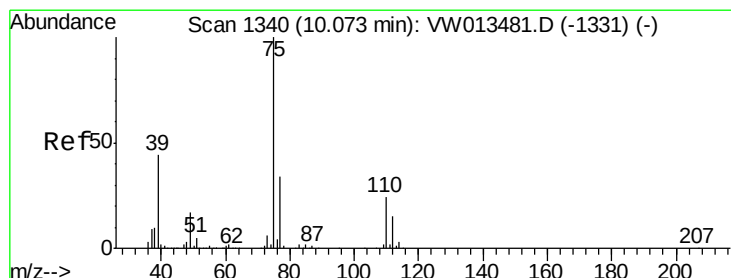
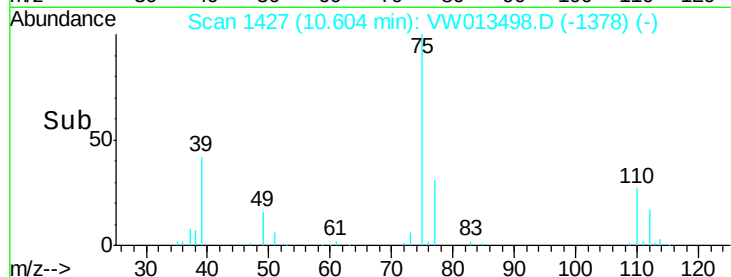
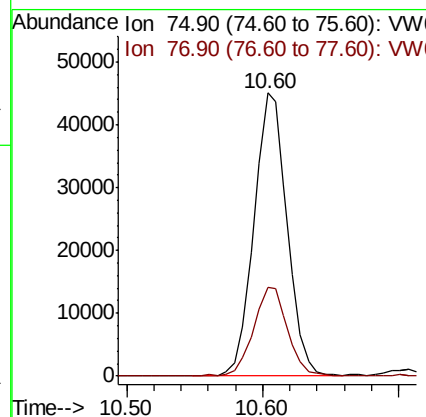
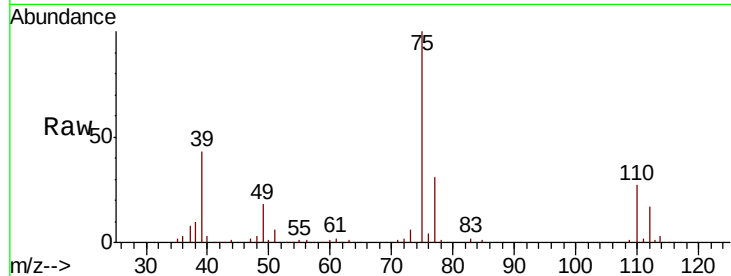
#53
 t-1,3-Dichloropropene
 Concen: 20.143 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tot Ion: 75 Resp: 76743
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8

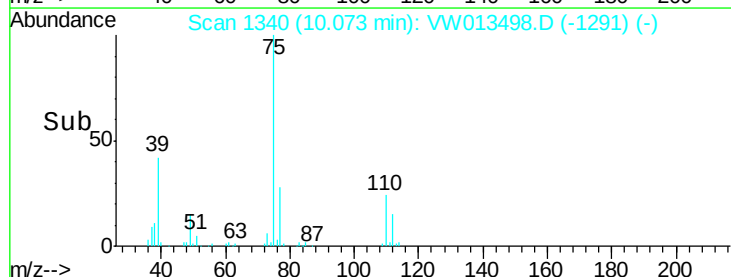
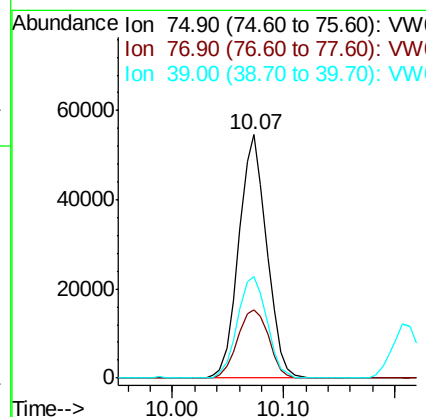
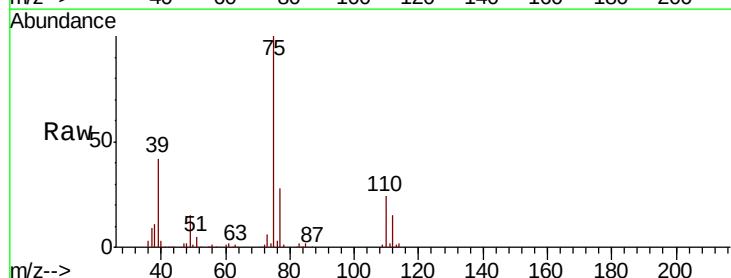
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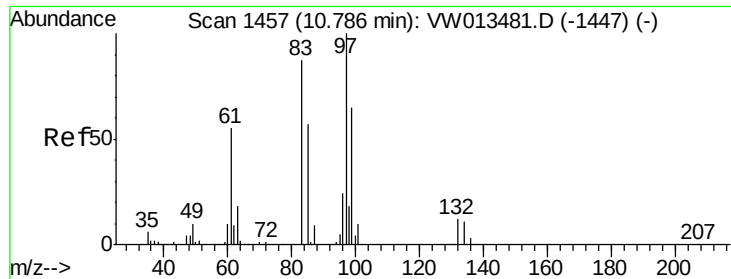
MMDadoda
 10/11/2019 4:40:38 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.490 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 75 Resp: 94577
 Ion Ratio Lower Upper
 75 100
 77 28.2 27.0 40.4
 39 42.0 35.0 52.4





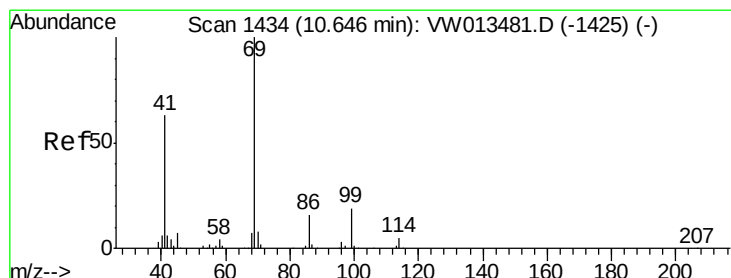
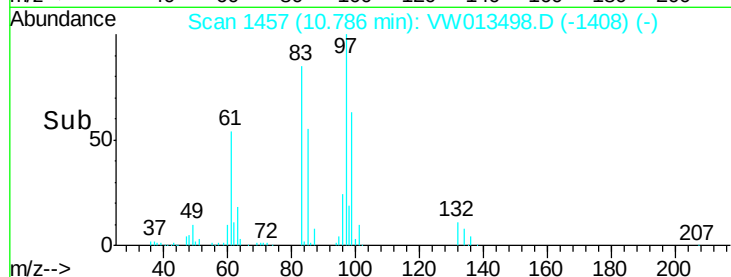
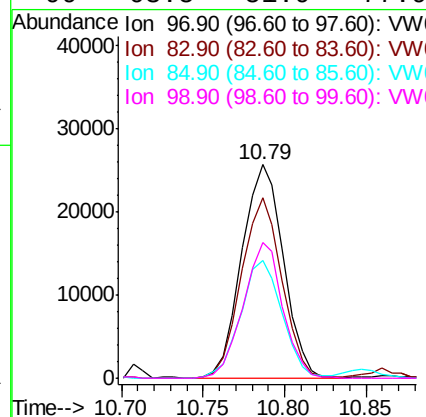
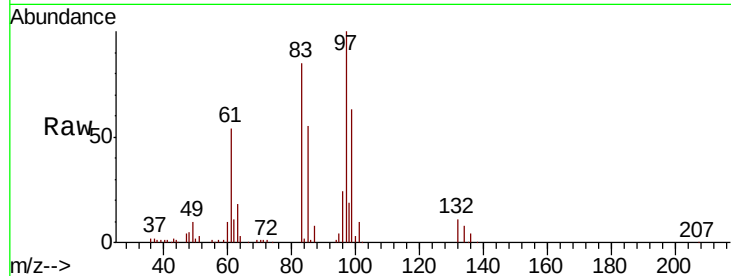
#55
 1,1,2-Trichloroethane
 Concen: 20.729 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tot Ion	97	Resp:	45893
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.8	104.8
85	55.0	45.4	68.0
99	63.5	51.9	77.9

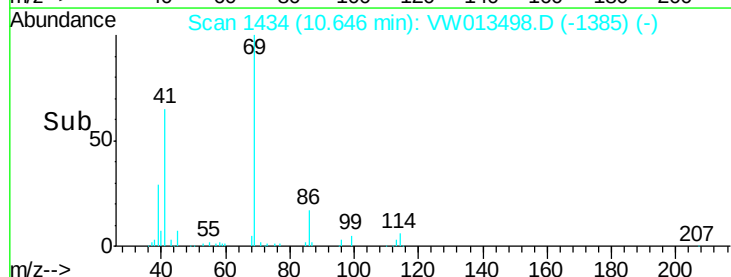
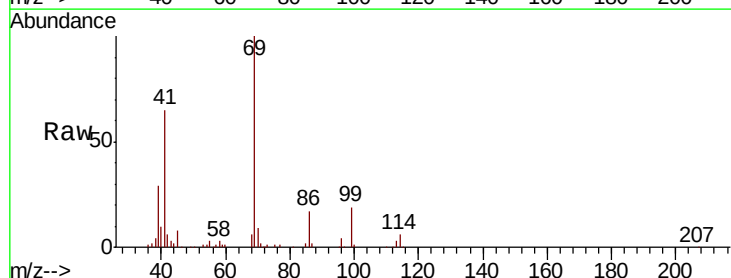
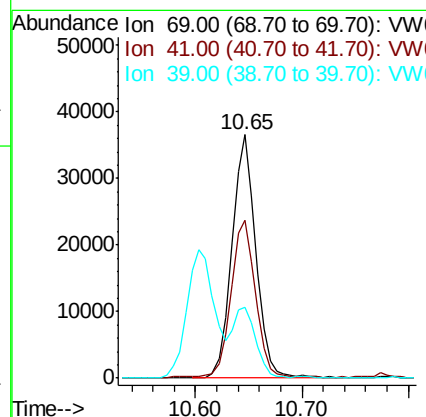
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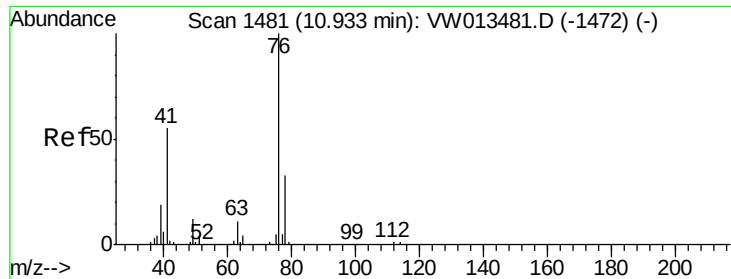
MMDadoda
 10/11/2019 4:40:38 PM



#56
 Ethyl methacrylate
 Concen: 19.329 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion	69	Resp:	57634
Ion	Ratio	Lower	Upper
69	100		
41	65.9	51.8	77.6
39	27.9	21.7	32.5





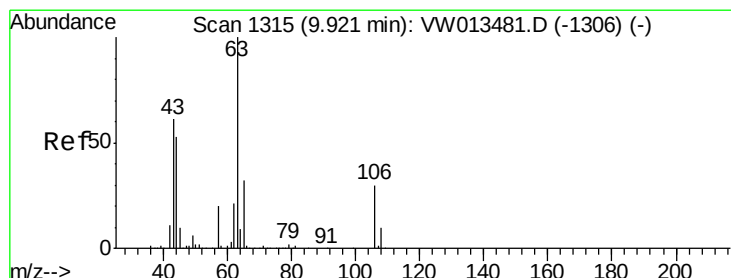
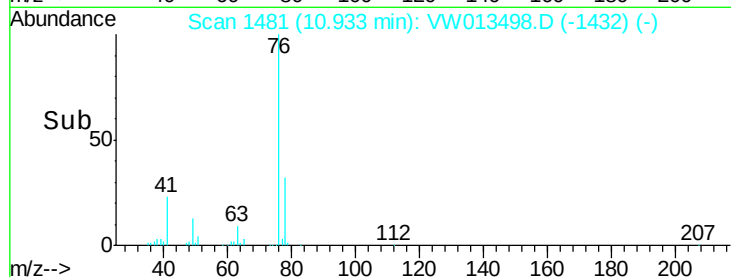
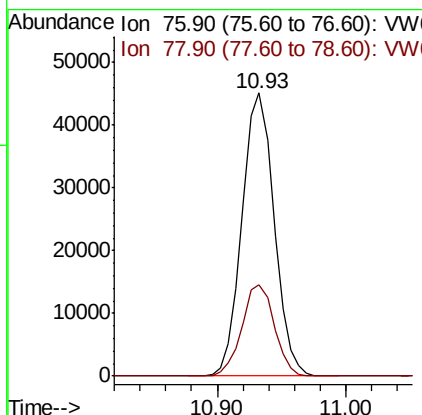
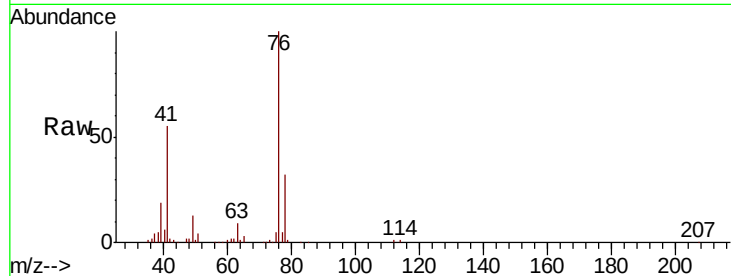
#57
 1,3-Dichloropropane
 Concen: 20.485 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tot Ion: 76 Resp: 77874
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9

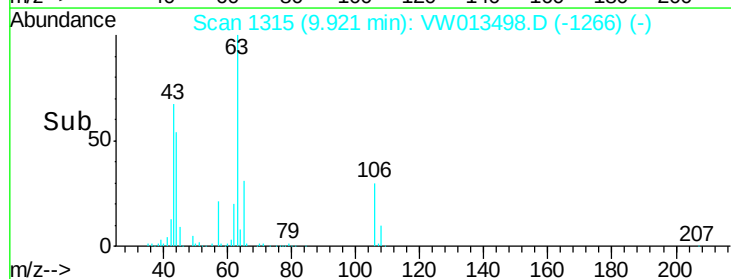
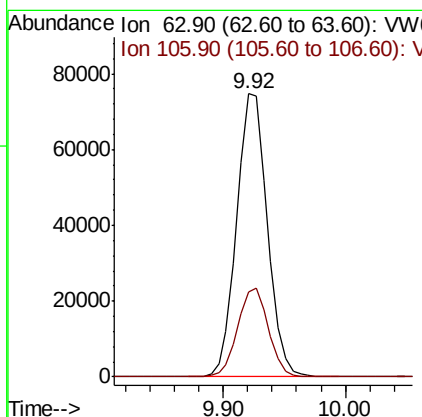
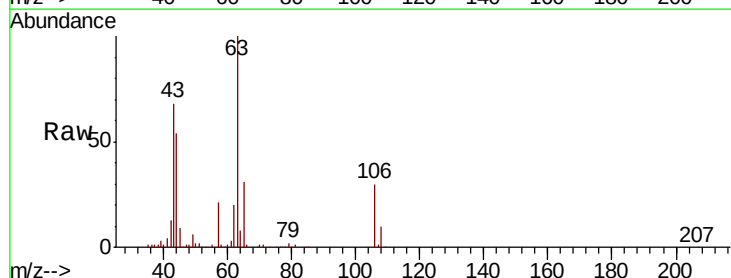
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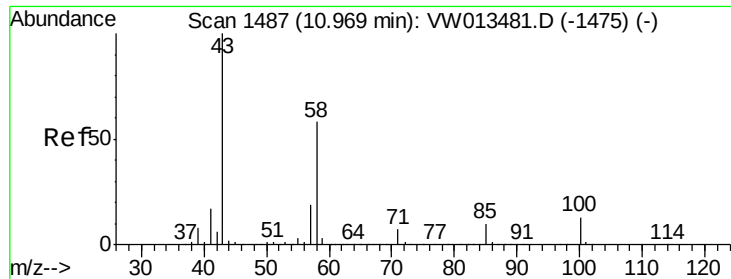
MMDadoda
 10/11/2019 4:40:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.201 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion: 63 Resp: 129704
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.5 36.7





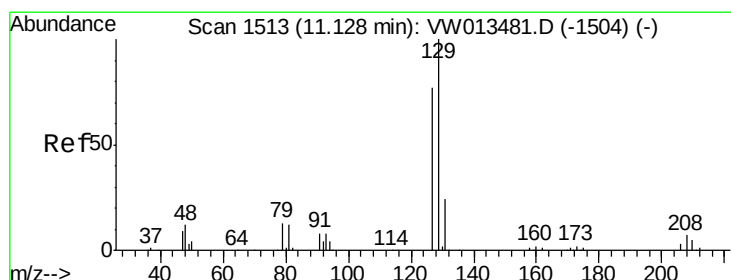
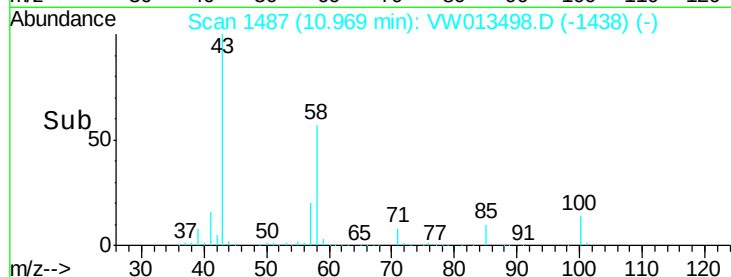
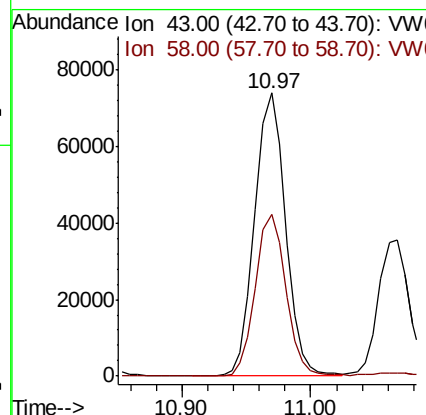
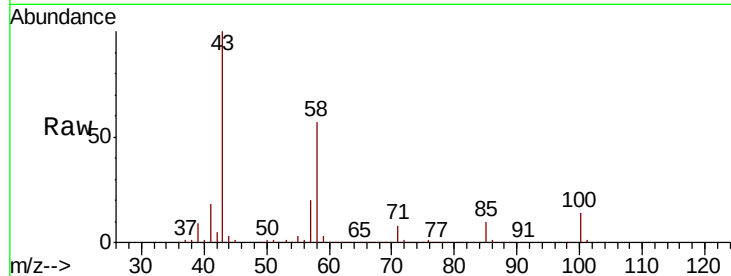
#59
2-Hexanone
Concen: 93.837 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion: 43 Resp: 122538
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.2

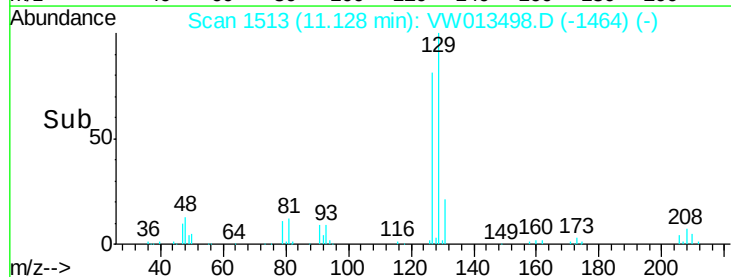
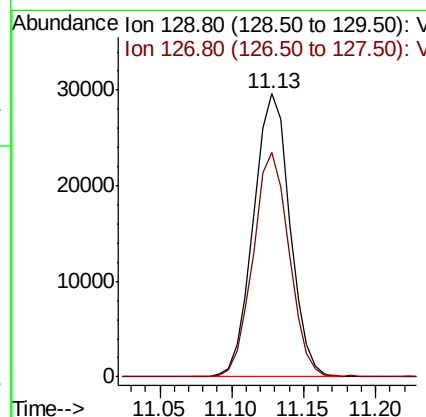
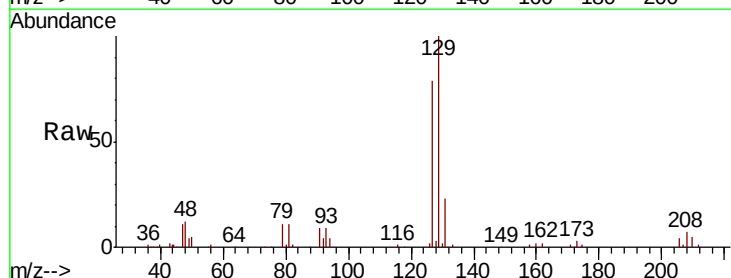
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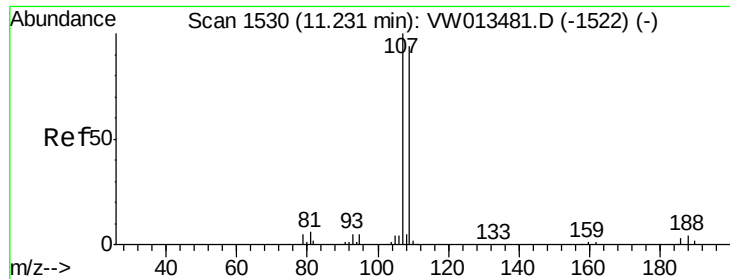
MMDadoda
10/11/2019 4:40:38 PM



#60
Dibromochloromethane
Concen: 20.321 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion:129 Resp: 51737
Ion Ratio Lower Upper
129 100
127 78.6 37.4 112.1





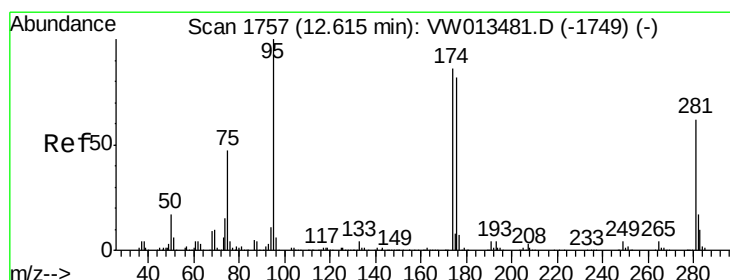
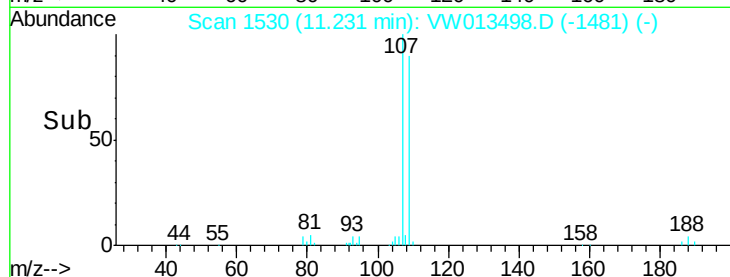
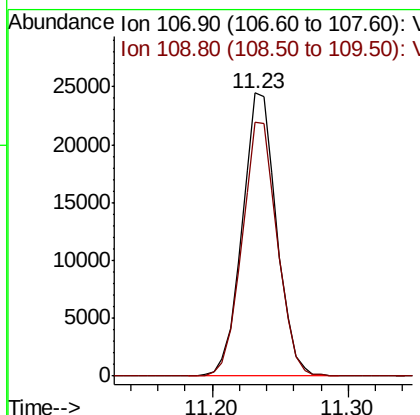
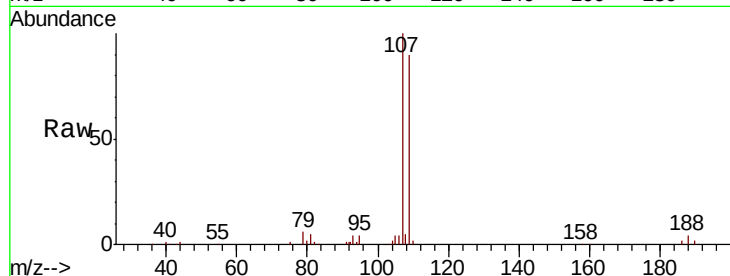
#61
 1,2-Dibromoethane
 Concen: 20.479 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.5	76.6	115.0

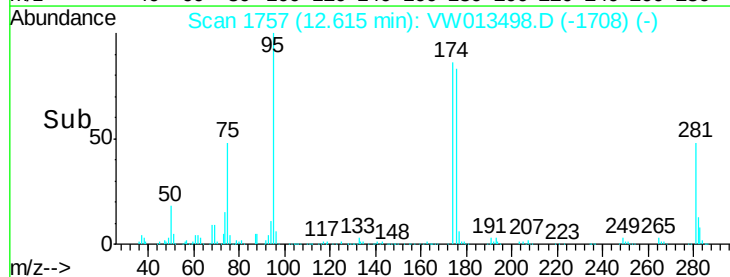
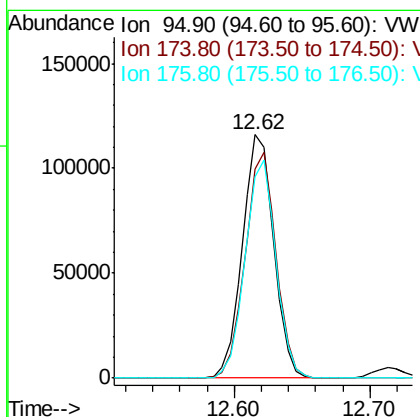
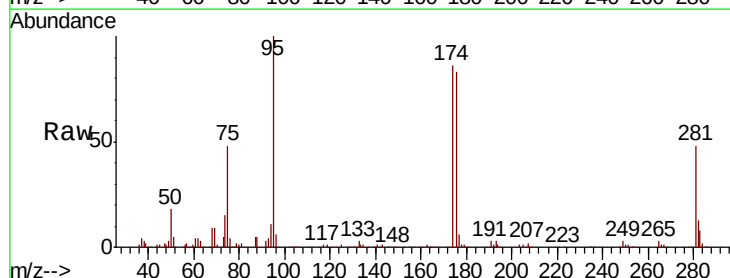
Manual Integrations
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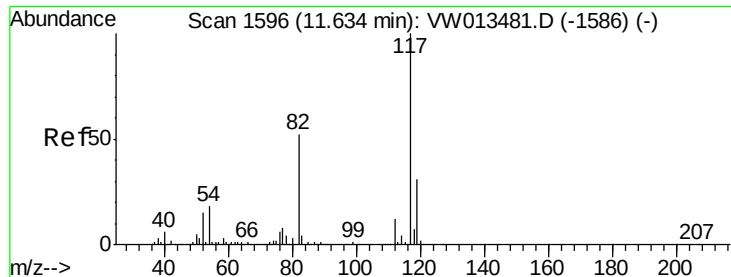
MMDadoda
 10/11/2019 4:40:38 PM



#62
 4-Bromofluorobenzene
 Concen: 48.559 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	177.4
176	88.2	0.0	173.4





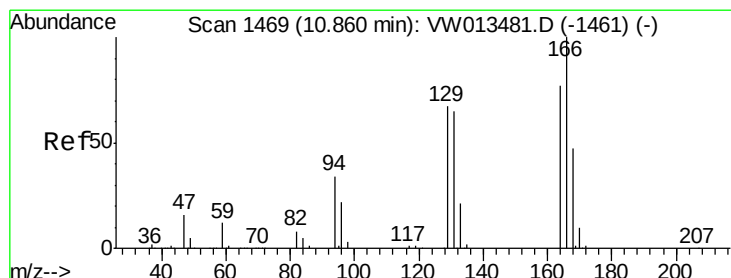
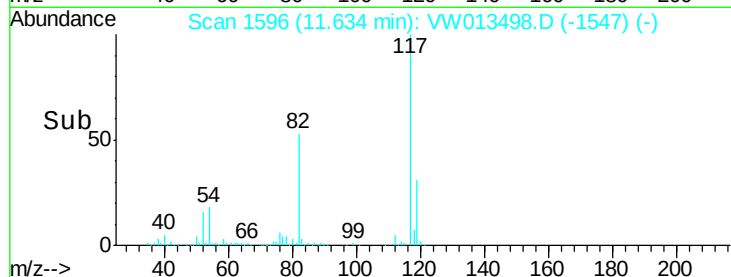
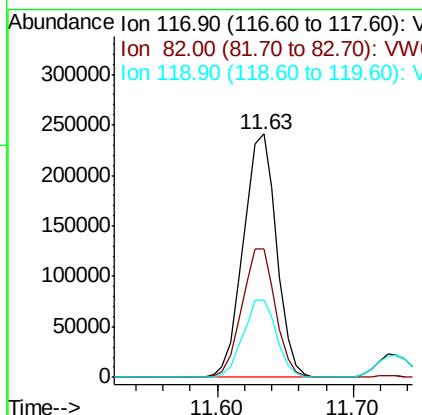
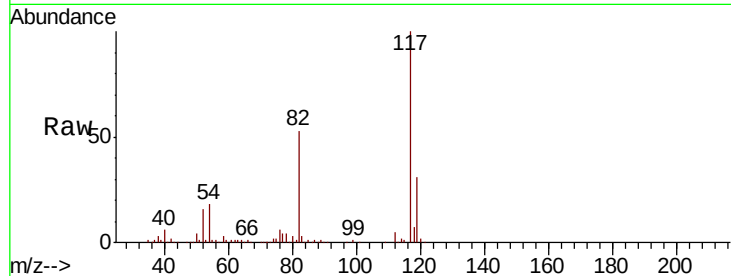
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.4	62.2
119	31.5	25.1	37.7

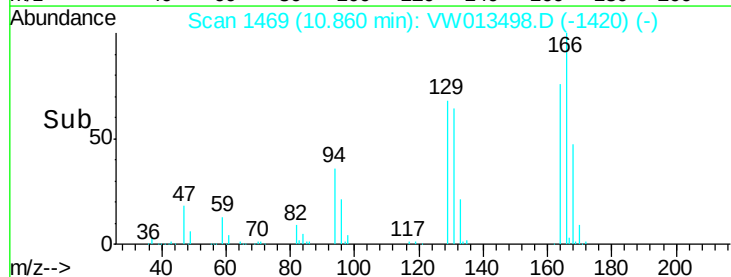
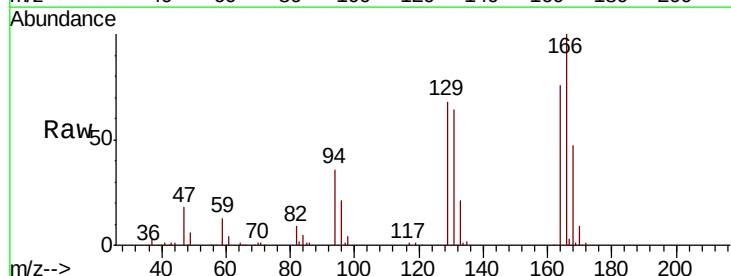
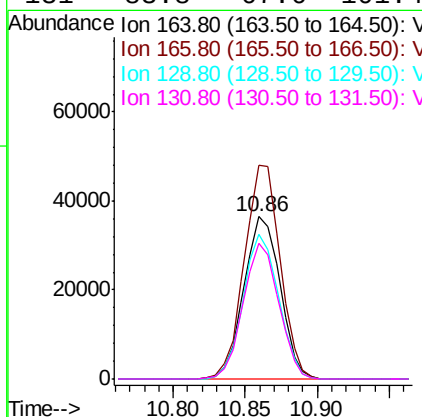
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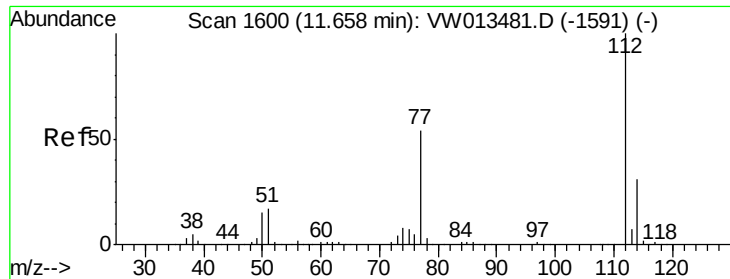
MMDadoda
10/11/2019 4:40:38 PM



#64
Tetrachloroethene
Concen: 20.934 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	104.6	156.8
129	89.3	70.2	105.2
131	83.8	67.6	101.4





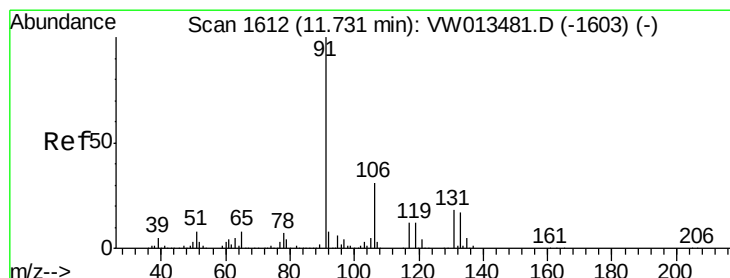
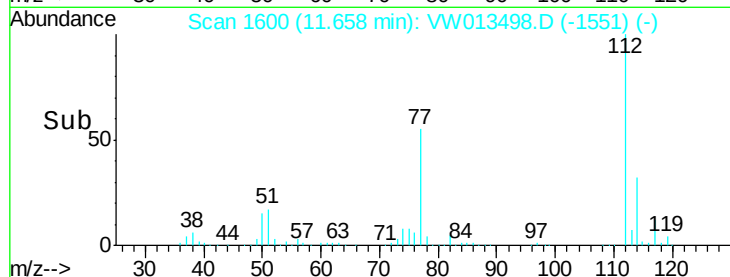
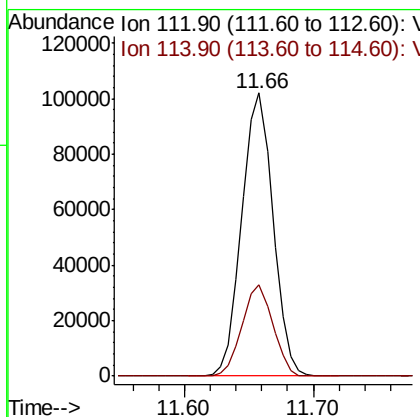
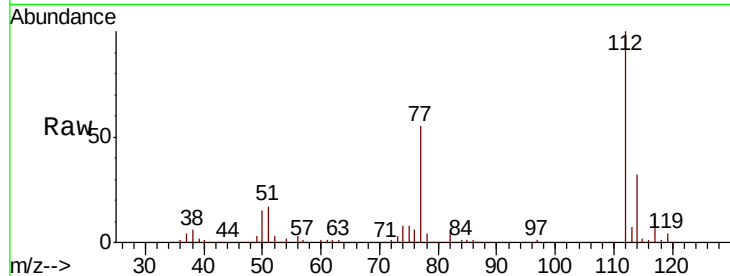
#65
Chlorobenzene
Concen: 20.914 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion:112 Resp: 171257
Ion Ratio Lower Upper
112 100
114 32.3 24.6 37.0

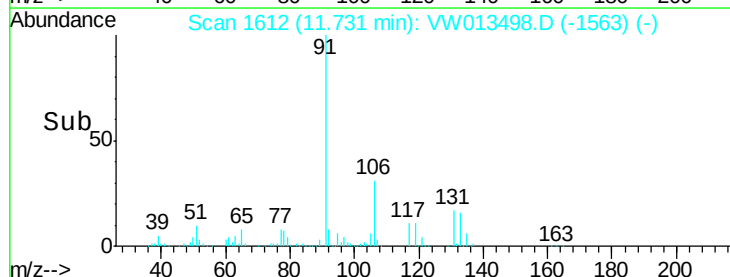
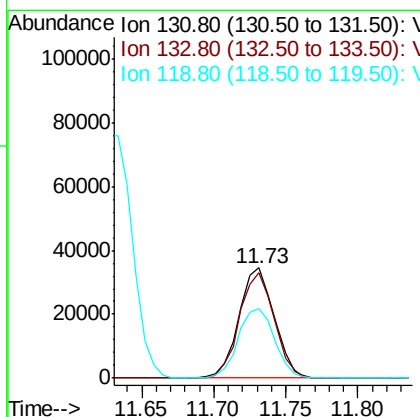
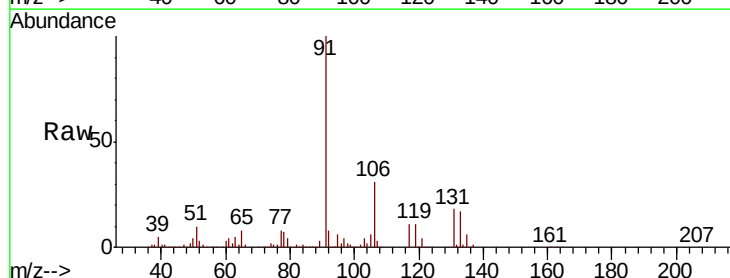
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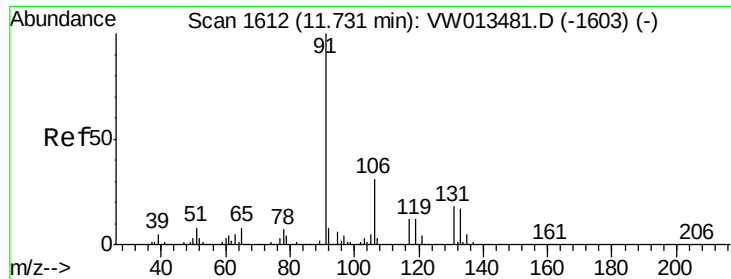
MMDadoda
10/11/2019 4:40:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.510 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion:131 Resp: 58339
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 65.4 32.6 98.0





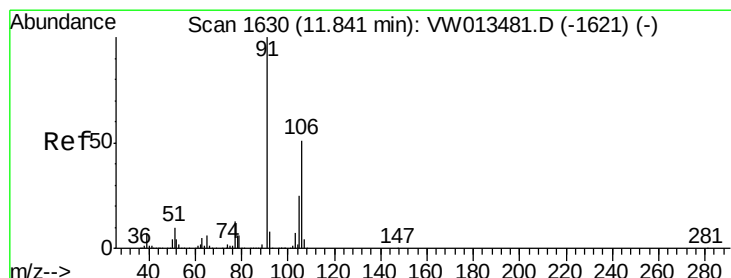
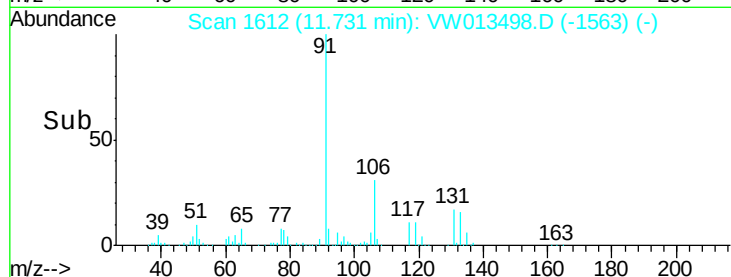
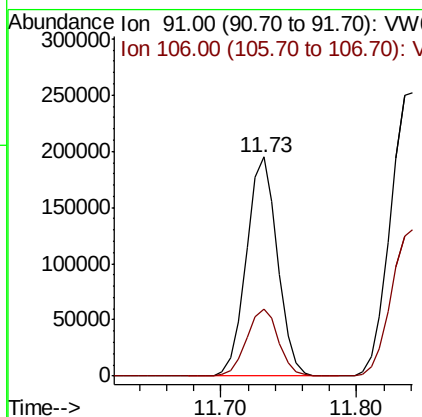
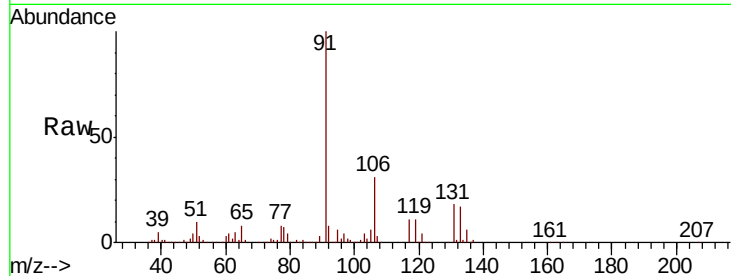
#67
Ethyl Benzene
Concen: 20.837 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.8	37.2

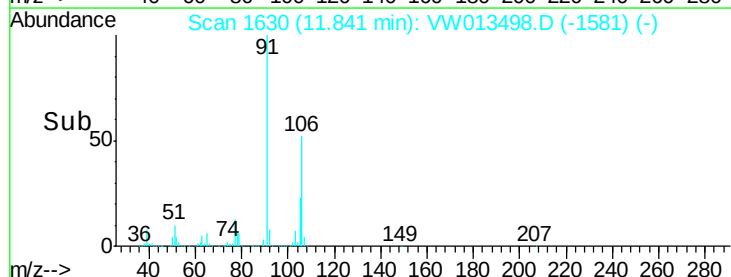
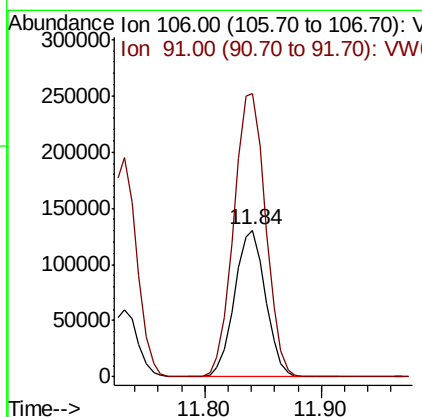
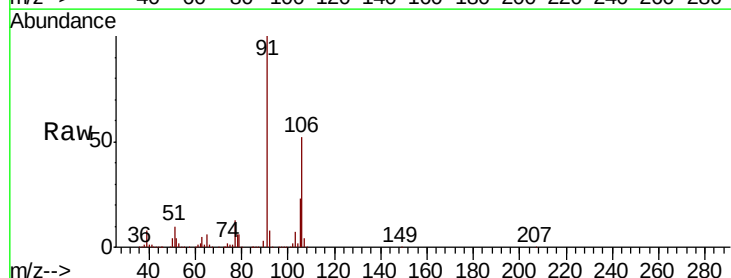
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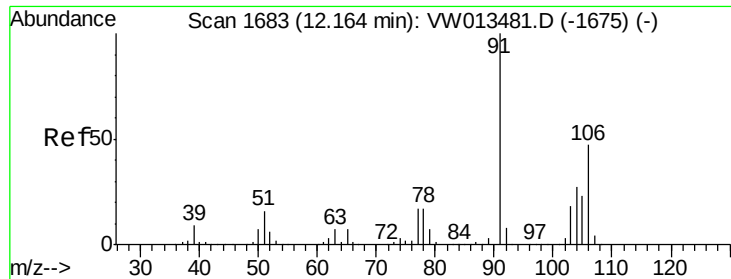
MMDadoda
10/11/2019 4:40:38 PM



#68
m/p-Xylenes
Concen: 42.523 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.1	156.2	234.4





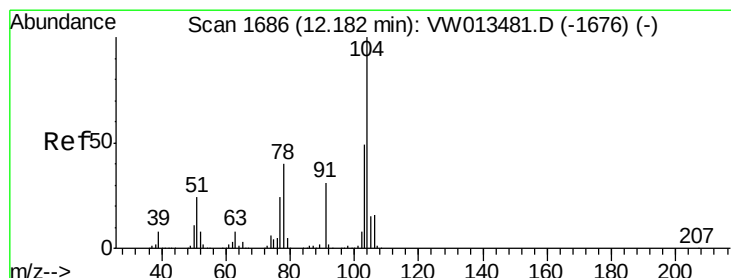
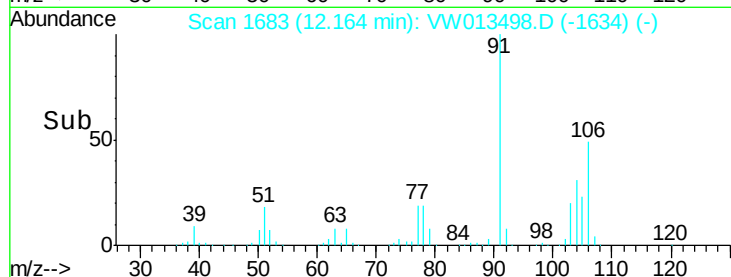
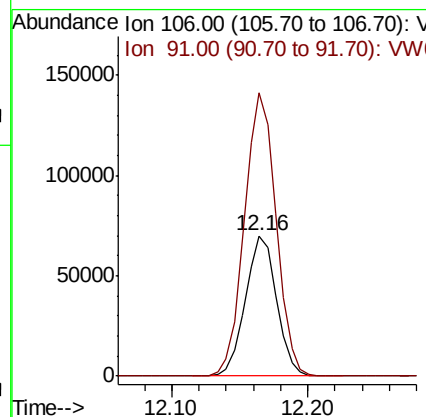
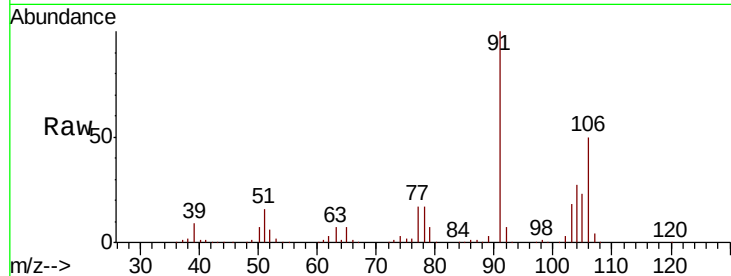
#69
o-Xylene
Concen: 21.300 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion:106 Resp: 112062
Ion Ratio Lower Upper
106 100
91 204.7 105.0 315.0

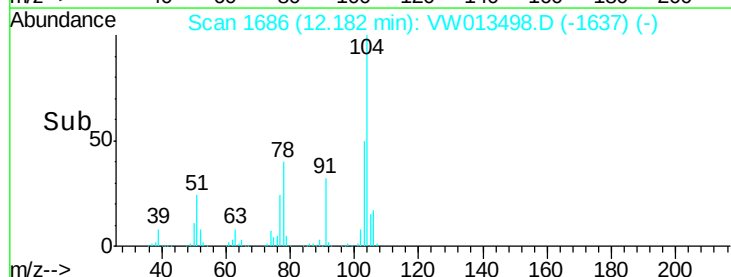
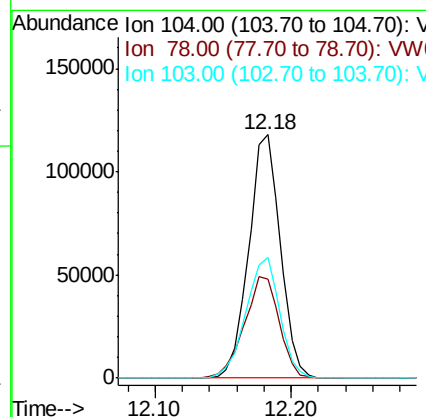
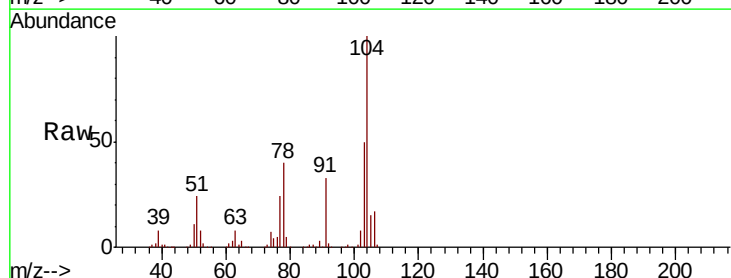
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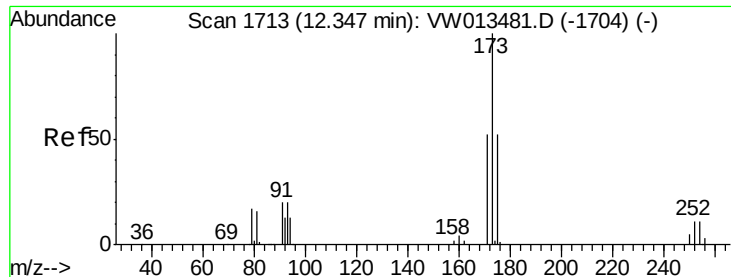
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#70
Styrene
Concen: 21.287 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion:104 Resp: 192302
Ion Ratio Lower Upper
104 100
78 45.7 37.1 55.7
103 53.4 43.2 64.8





#71

Bromoform

Concen: 19.628 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tot Ion:173 Resp: 30632

Ion Ratio Lower Upper

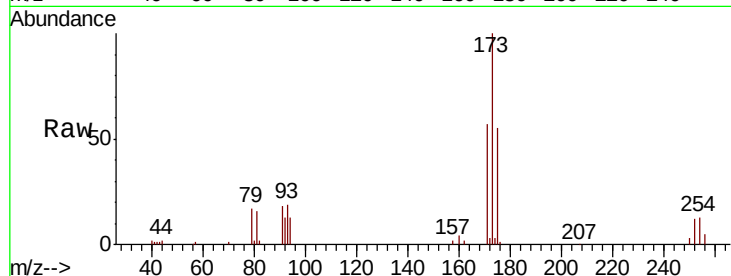
173 100

175 49.2 24.4 73.4

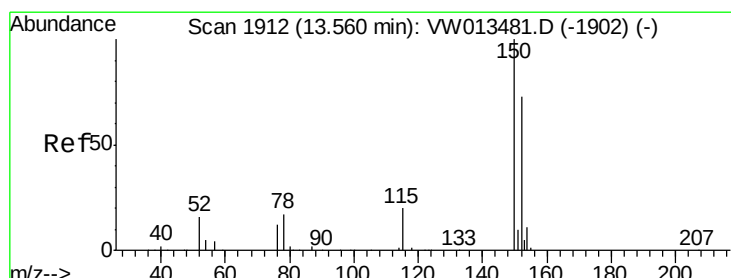
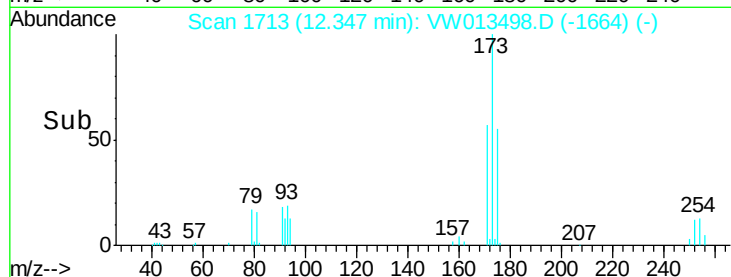
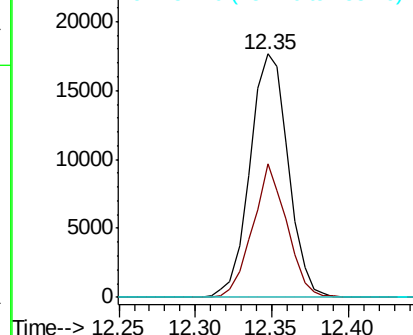
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

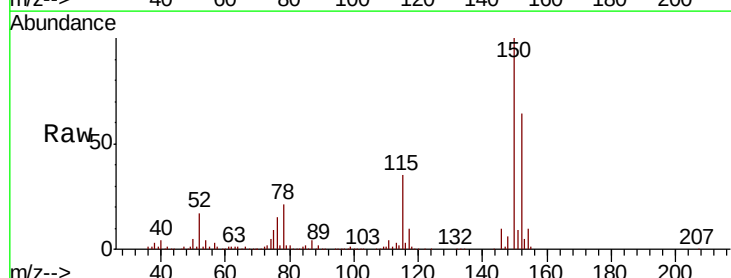
Tgt Ion:152 Resp: 209345

Ion Ratio Lower Upper

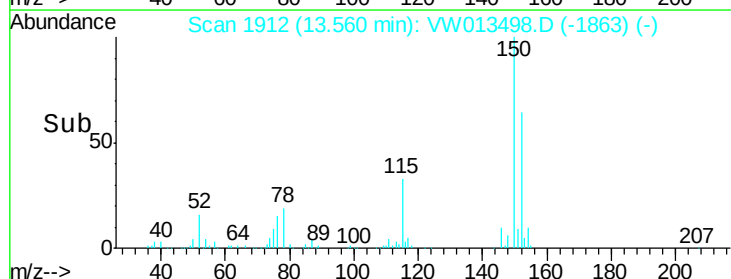
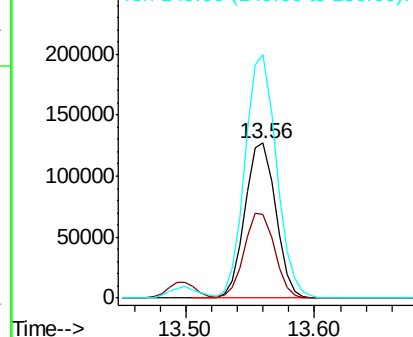
152 100

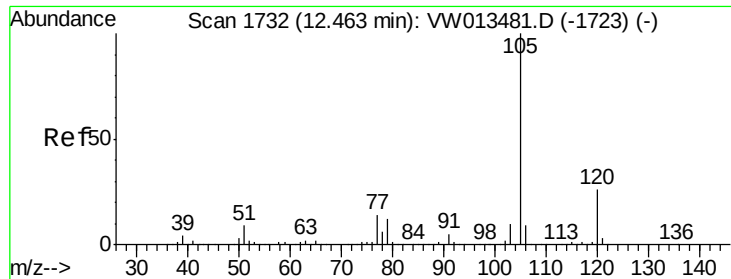
115 54.7 27.0 81.0

150 161.1 0.0 337.4



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





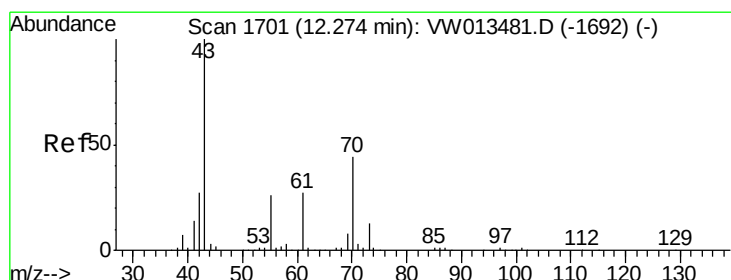
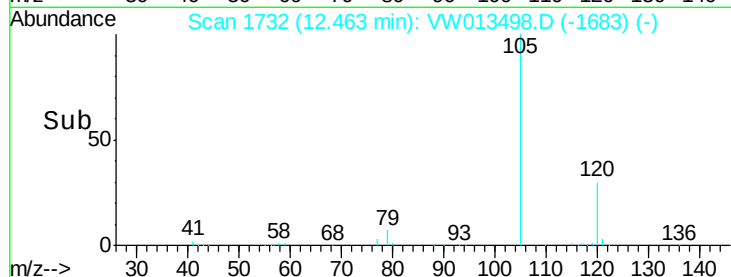
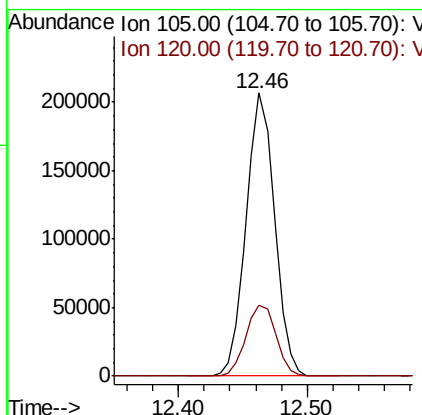
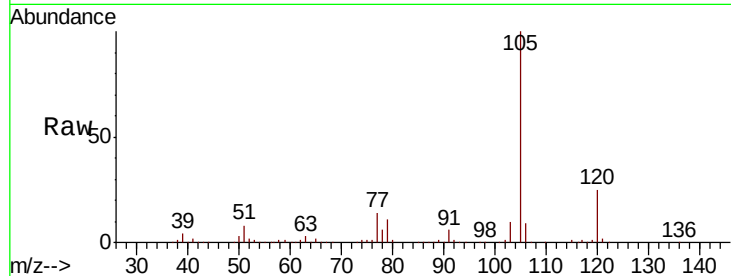
#73
Isopropylbenzene
Concen: 21.030 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion:105 Resp: 315355
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.5

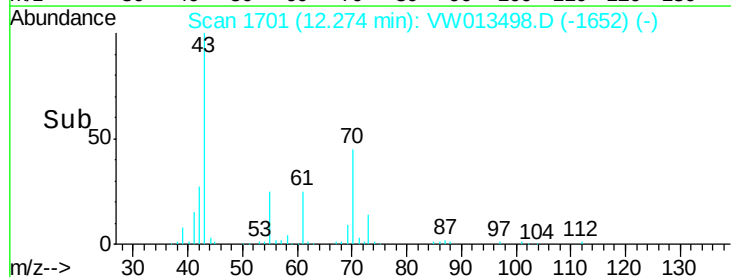
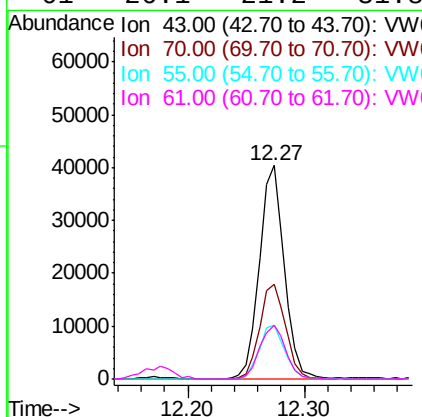
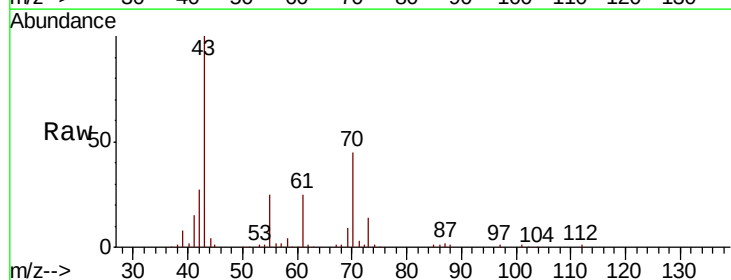
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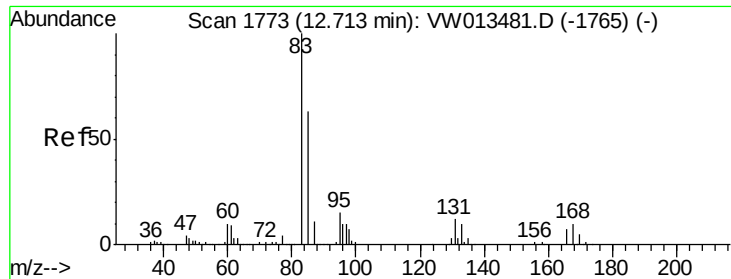
MMDadoda
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#74
N-ethyl acetate
Concen: 18.460 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion: 43 Resp: 60543
Ion Ratio Lower Upper
43 100
70 46.5 35.3 52.9
55 26.1 20.0 30.0
61 26.1 21.2 31.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.328 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

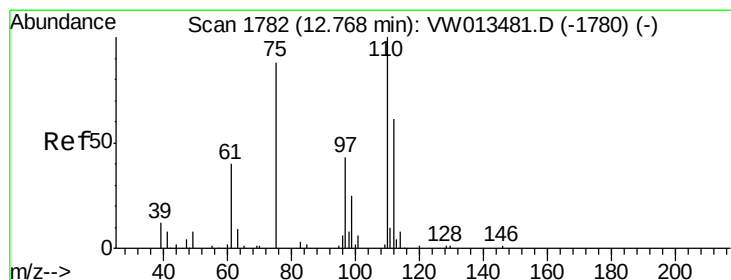
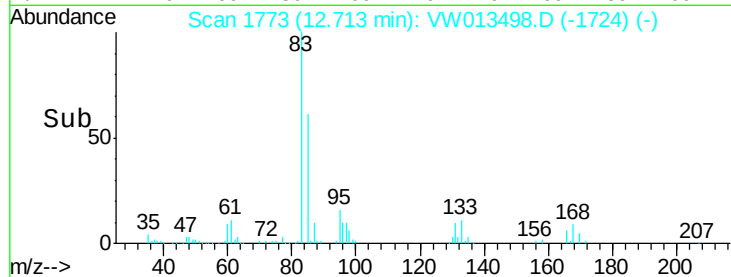
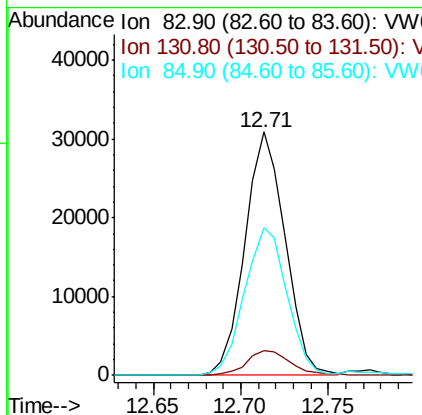
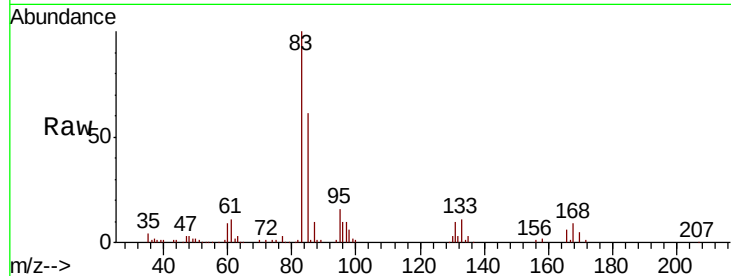
ClientSampleId :

VW1009SBS01

Tot Ion:	83	Resp:	49402
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.9	17.7
85	64.2	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 18.849 ug/l m

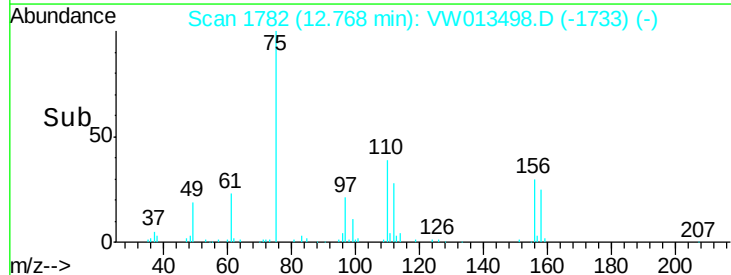
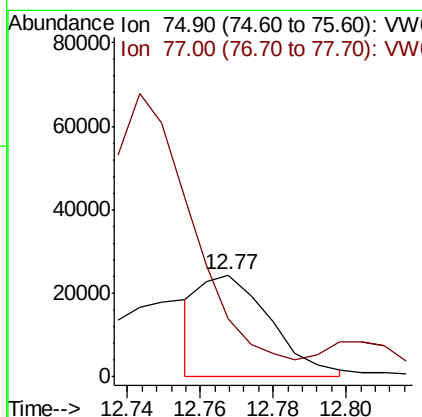
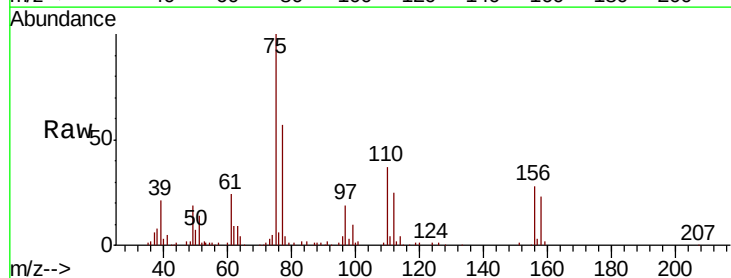
RT: 12.77 min Scan# 1782

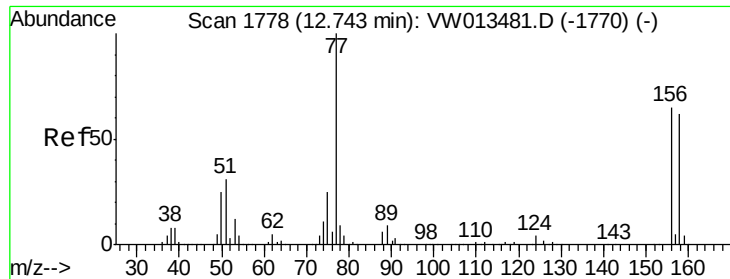
Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Tgt Ion:	75	Resp:	32864
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.352 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tot Ion:156 Resp: 72340

Ion Ratio Lower Upper

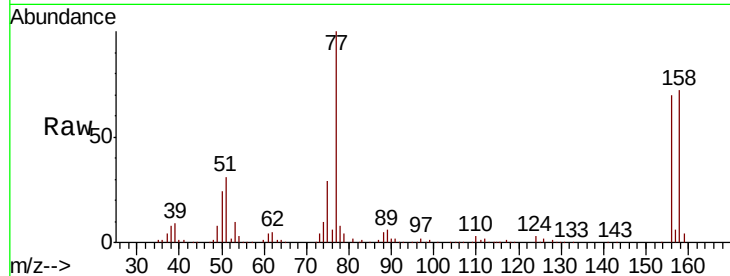
156 100

77 170.0 83.7 251.0

158 98.9 49.0 147.0

Manual Integrations
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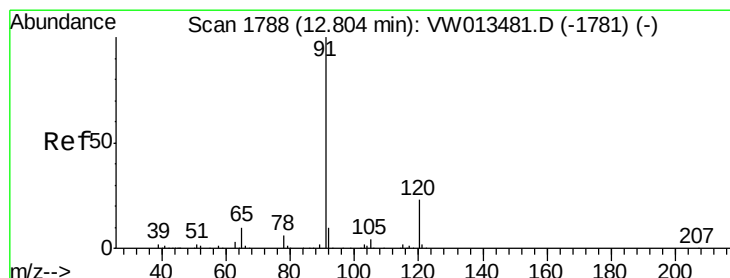
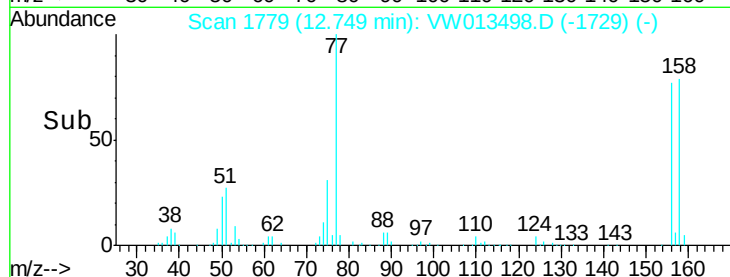
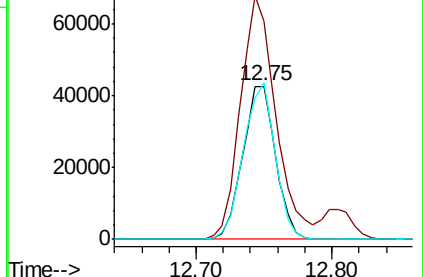
MMDadoda
10/11/2019 4:40:38 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.904 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013498.D

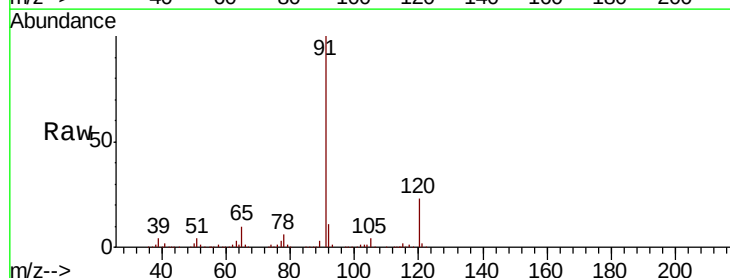
Acq: 09 Oct 2019 12:43

Tgt Ion: 91 Resp: 362487

Ion Ratio Lower Upper

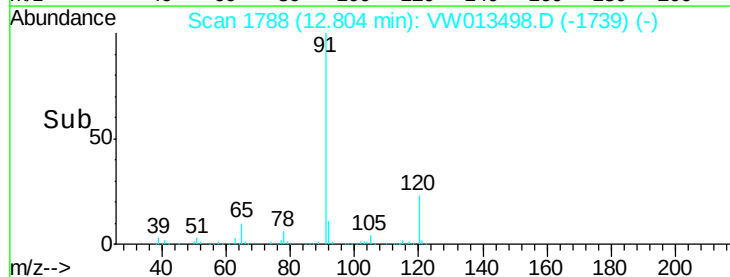
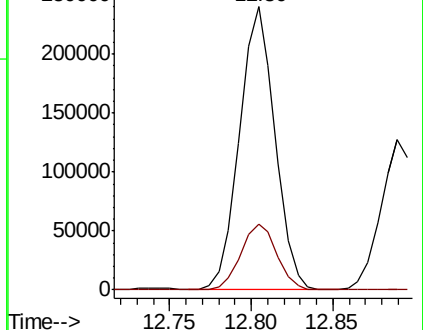
91 100

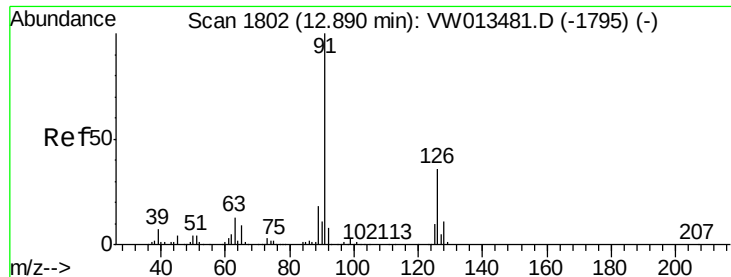
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.766 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013498.D

Acq: 09 Oct 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW1009SBS01

Tot Ion: 91 Resp: 201737

Ion Ratio Lower Upper

91 100

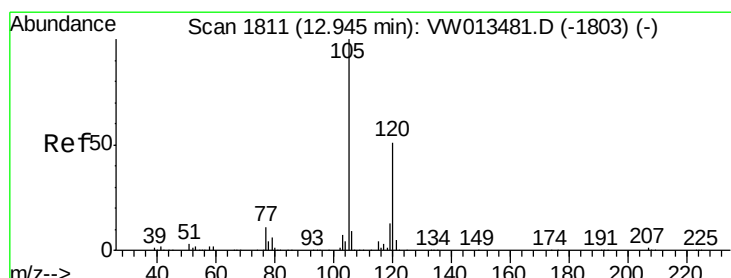
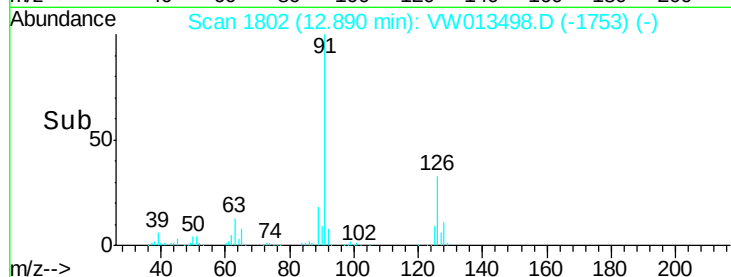
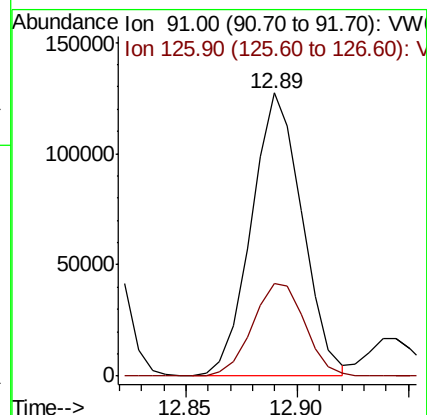
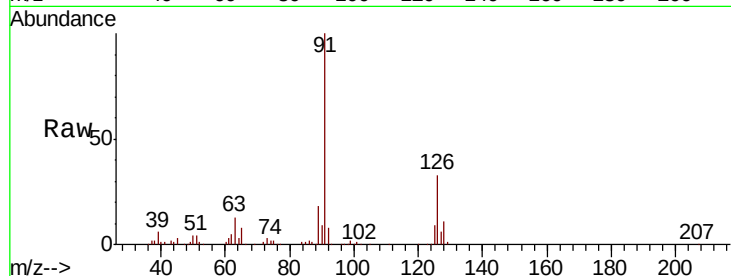
126 34.0 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.160 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013498.D

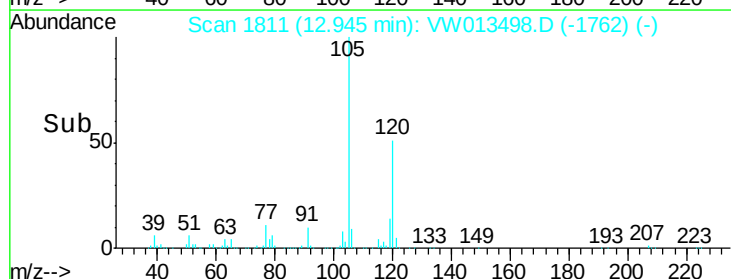
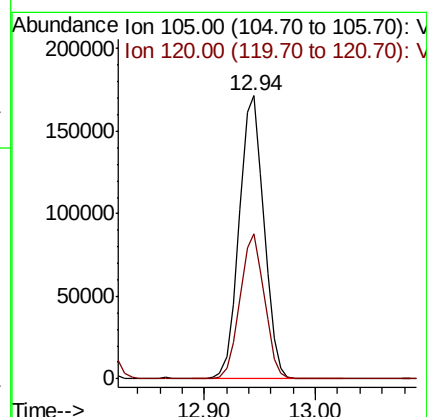
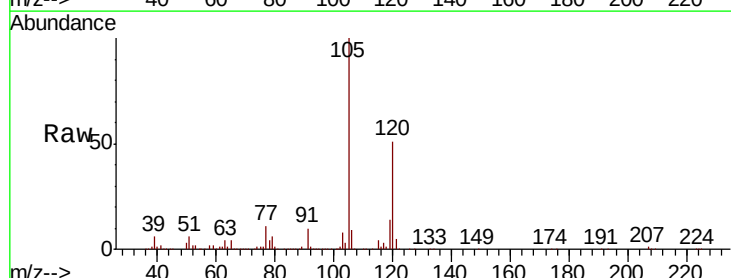
Acq: 09 Oct 2019 12:43

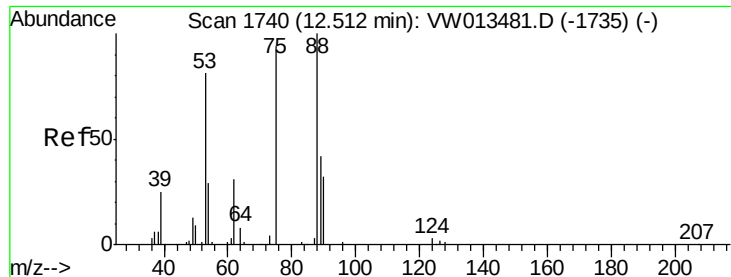
Tgt Ion: 105 Resp: 263646

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.0





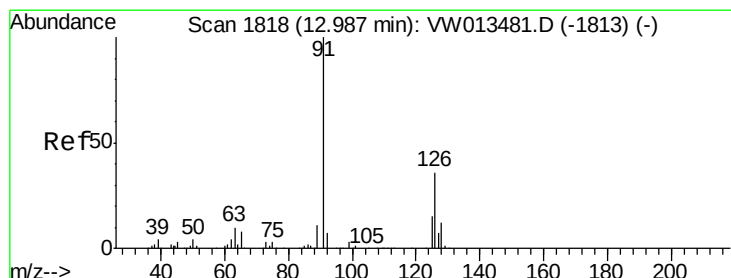
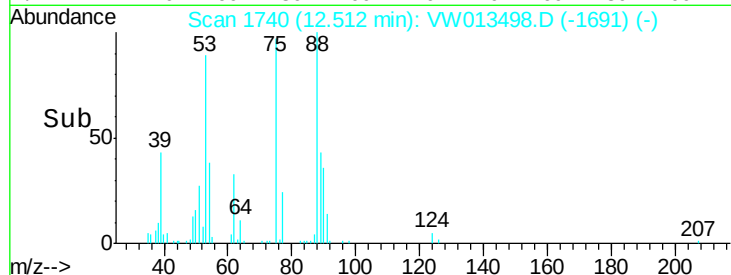
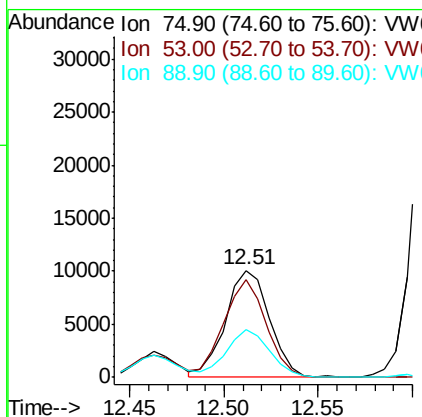
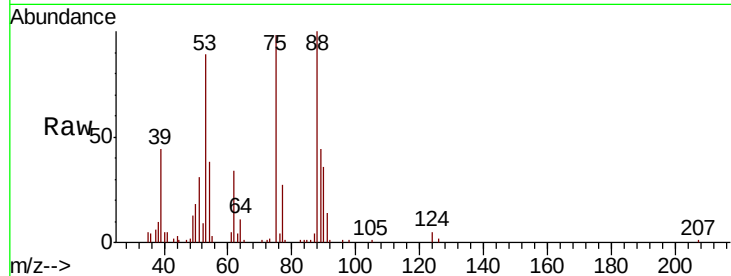
#81
trans-1,4-Dichloro-2-butene
Concen: 18.651 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	71.0	106.6
89	44.8	36.1	54.1

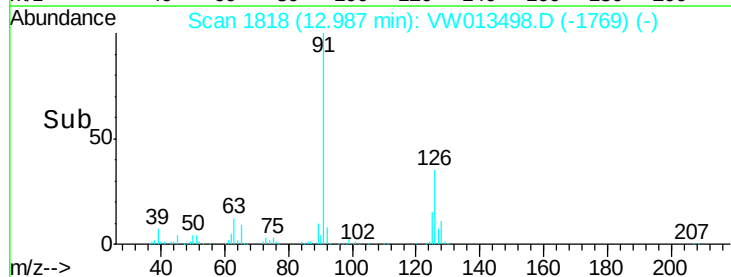
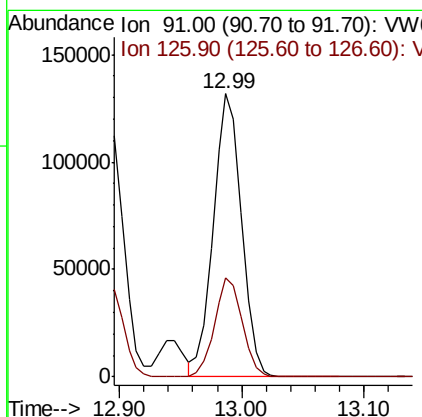
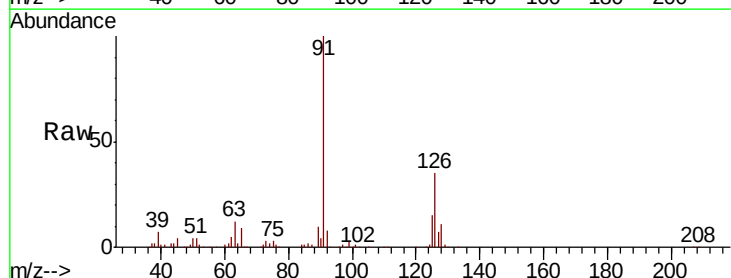
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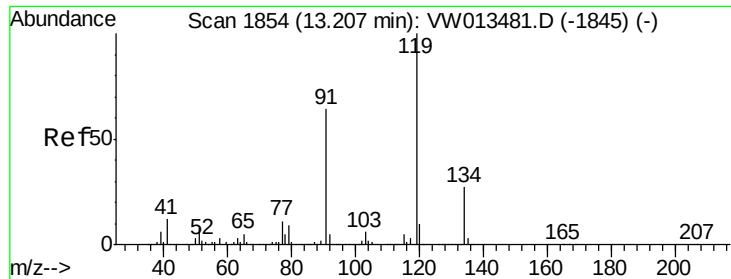
MMDadoda
10/11/2019 4:40:38 PM



#82
4-Chlorotoluene
Concen: 20.970 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.5	52.6





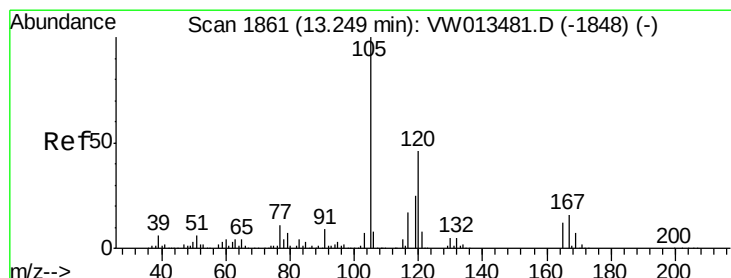
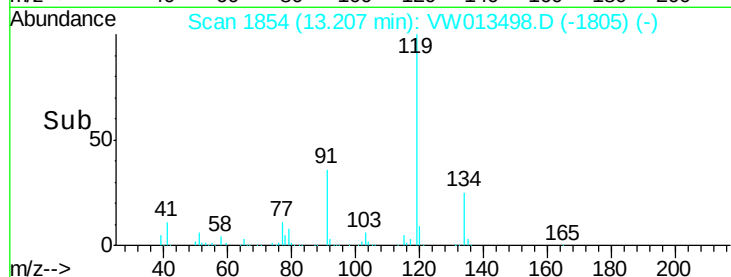
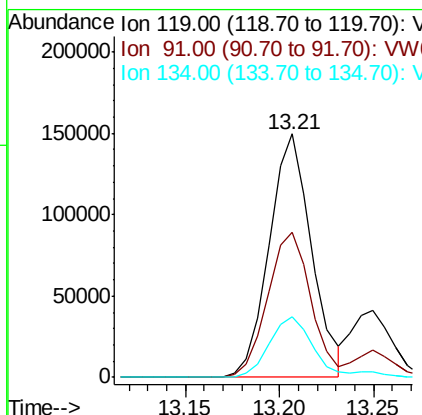
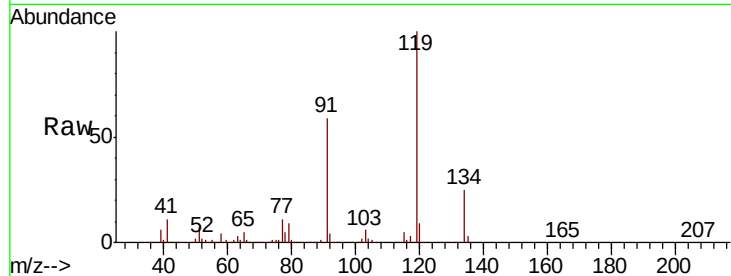
#83
tert-Butylbenzene
Concen: 21.086 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.6	91.6
134	25.4	13.8	41.3

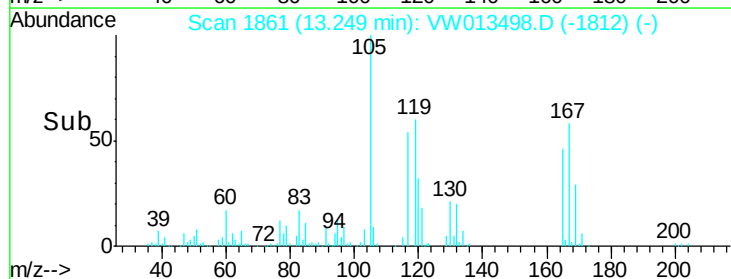
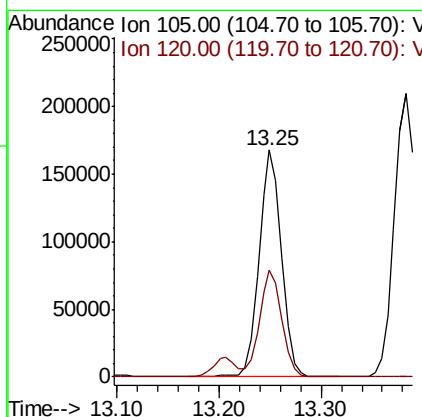
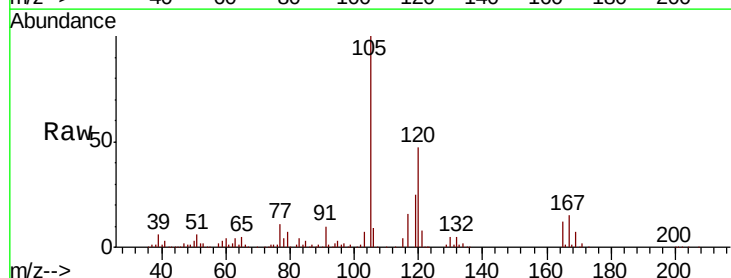
Manual Integrations
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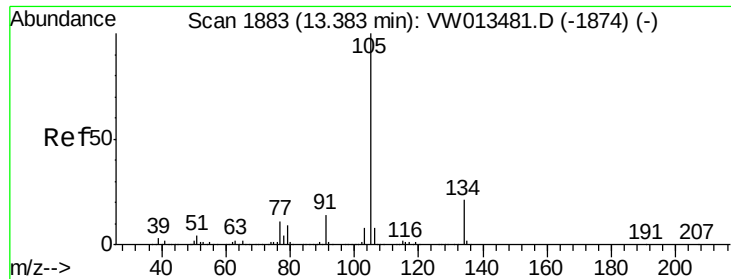
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.864 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.5





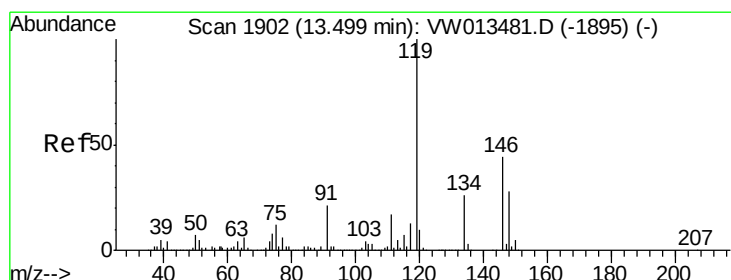
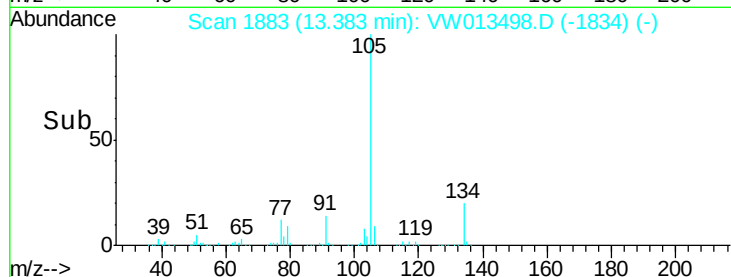
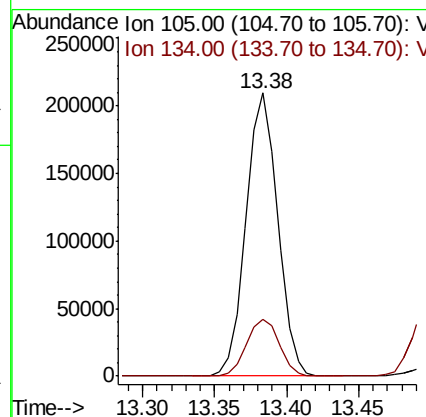
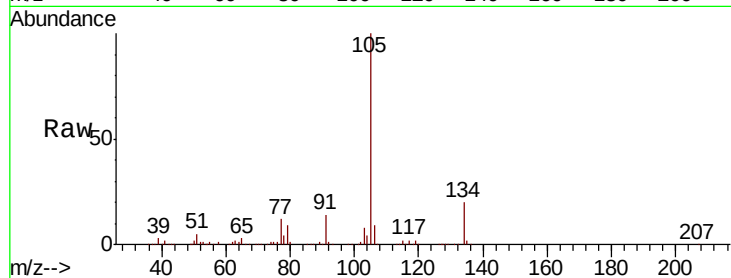
#85
 sec-Butylbenzene
 Concen: 20.842 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.4

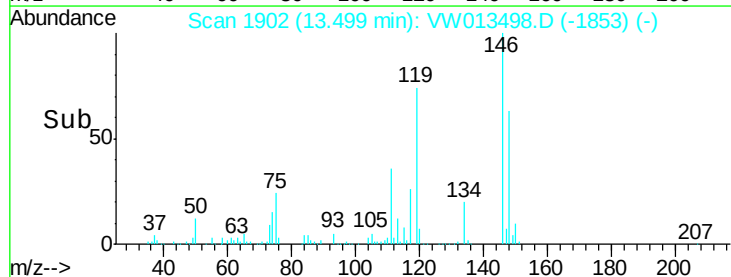
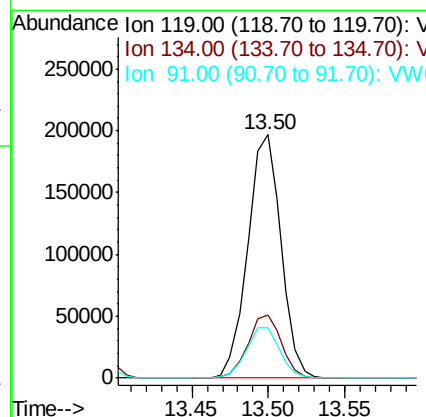
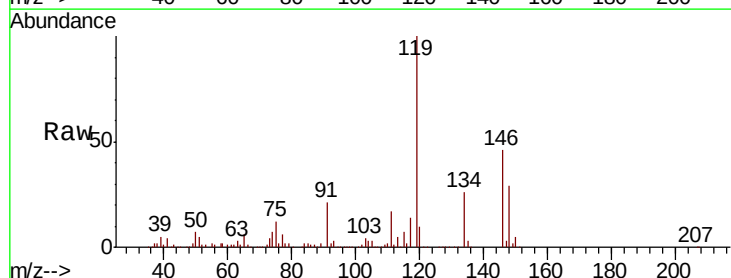
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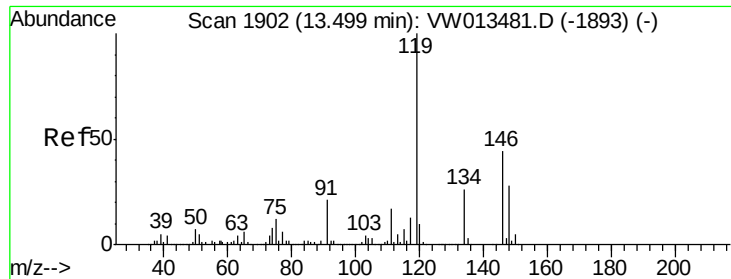
MMDadoda
 10/11/2019 4:40:38 PM



#86
 p-Isopropyltoluene
 Concen: 21.014 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.1
91	21.2	10.8	32.3





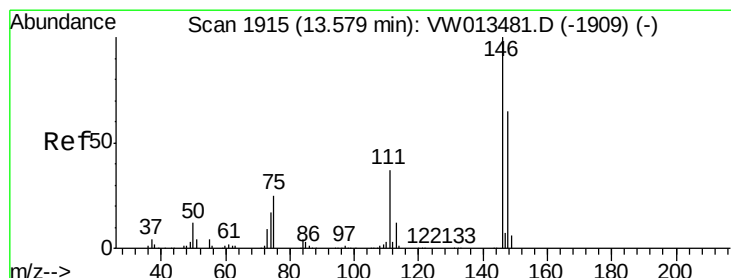
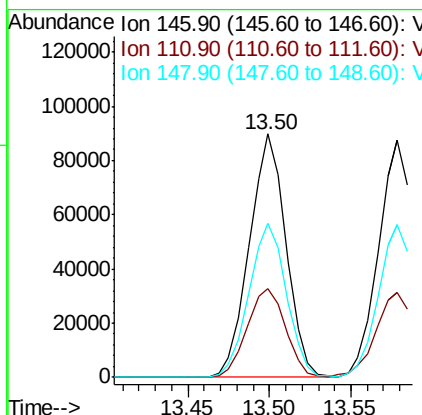
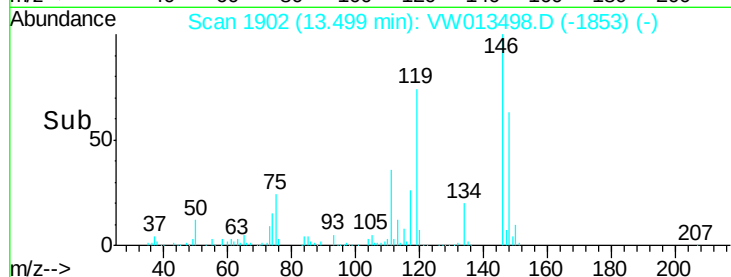
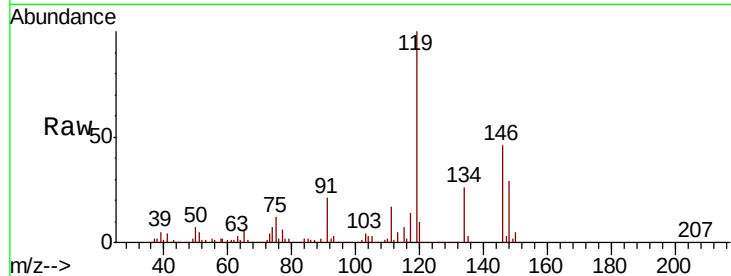
#87
 1,3-Dichlorobenzene
 Concen: 20.850 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.7	56.1
148	64.6	32.3	96.8

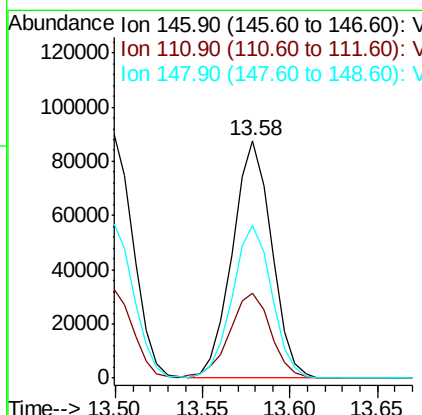
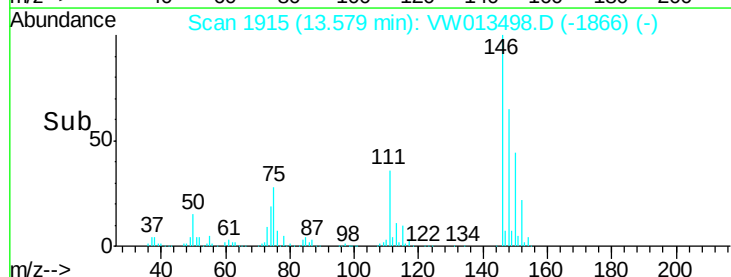
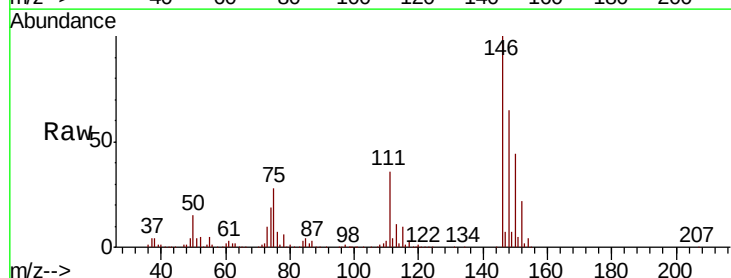
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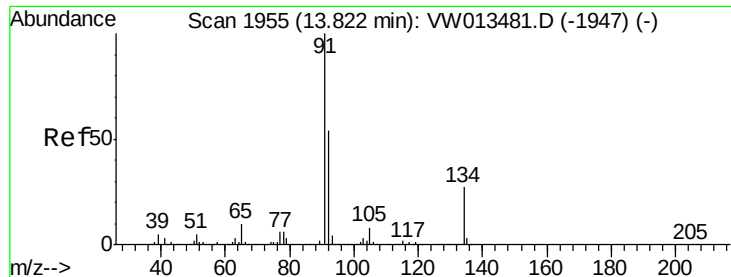
MMDadoda
 10/11/2019 4:40:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.750 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.4	55.4
148	64.8	32.0	96.2





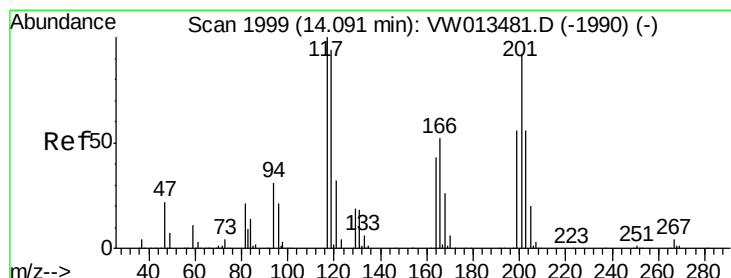
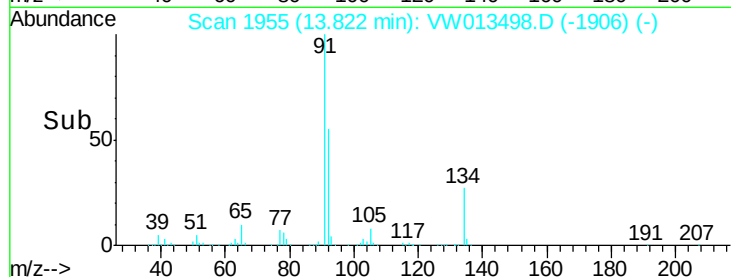
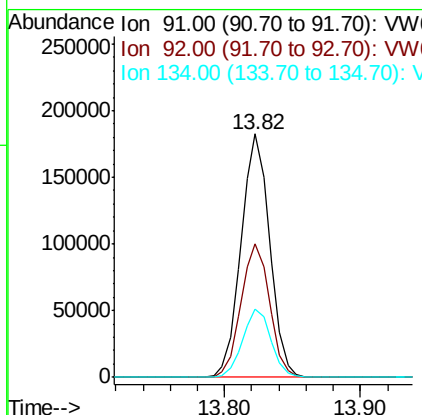
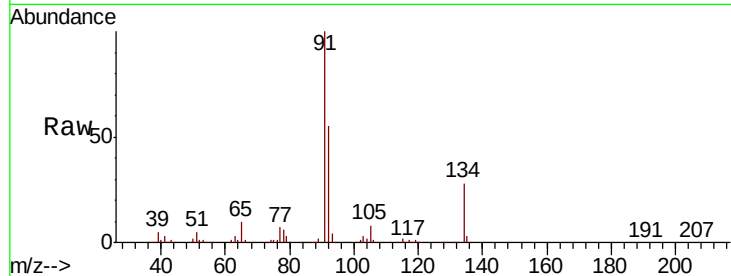
#89
n-Butylbenzene
Concen: 21.168 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.4
134	27.8	13.8	41.3

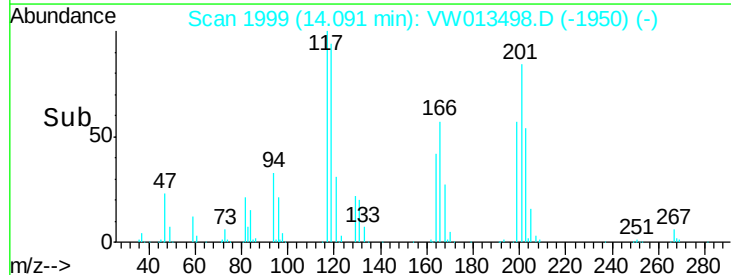
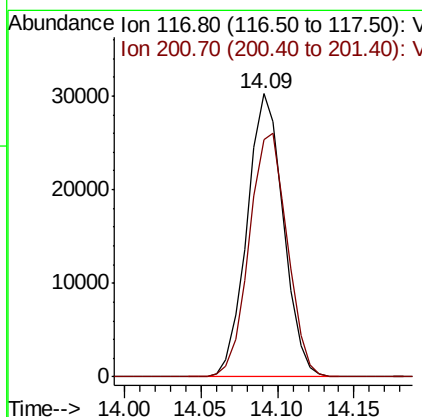
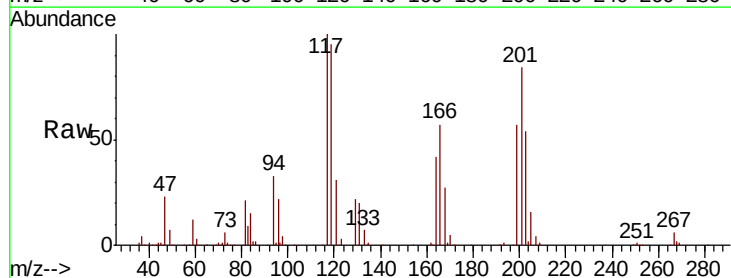
Manual Integrations
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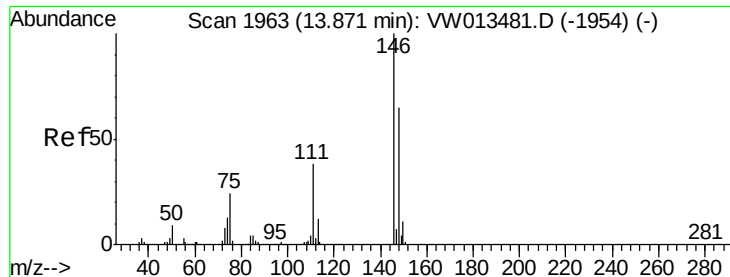
MMDadoda
10/11/2019 4:40:38 PM



#90
Hexachloroethane
Concen: 20.822 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.1	46.9	140.7





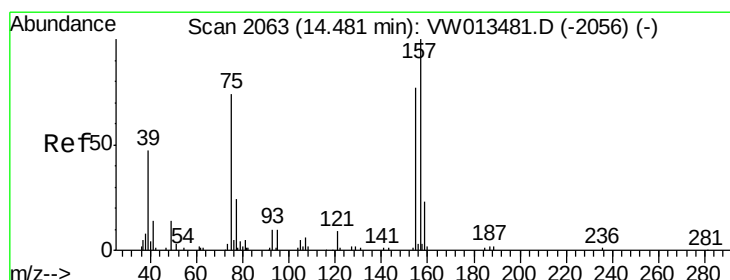
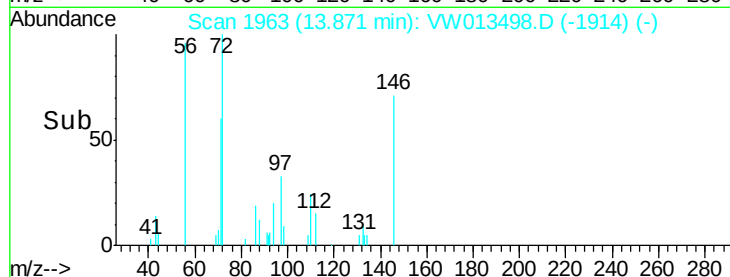
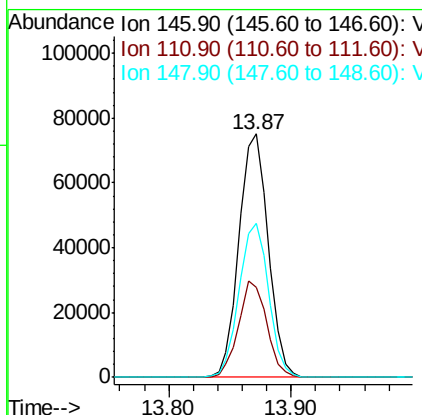
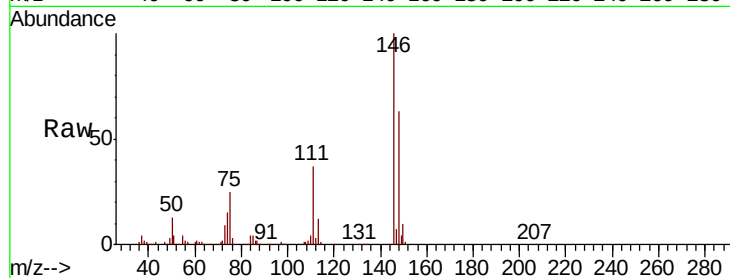
#91
 1,2-Dichlorobenzene
 Concen: 20.893 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	63.9	31.8	95.3

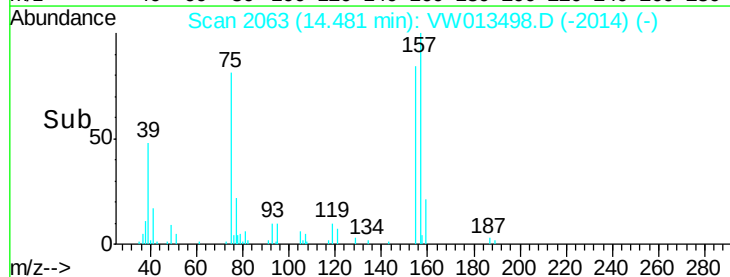
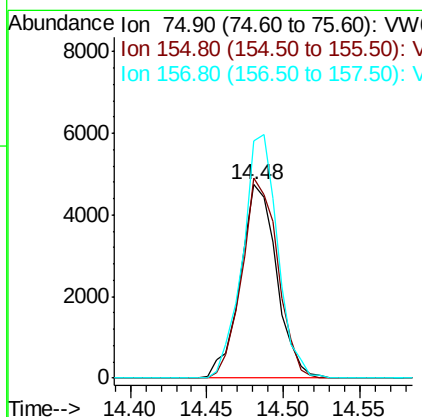
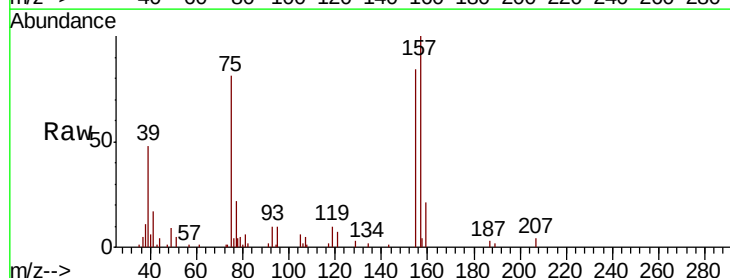
Manual Integrations
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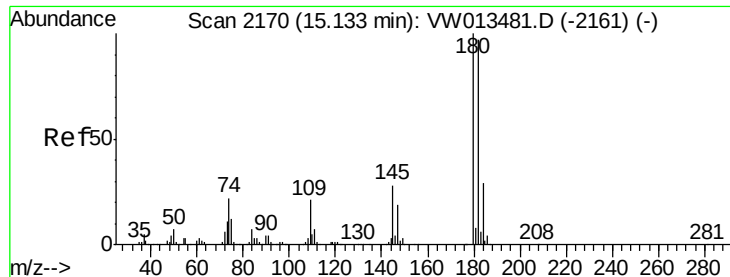
MMDadoda
 10/11/2019 4:40:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.273 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	51.0	153.1
157	120.9	65.9	197.7





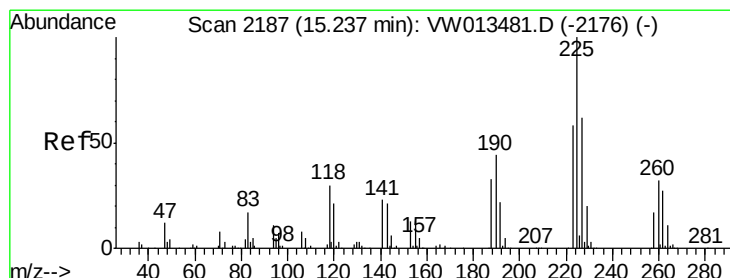
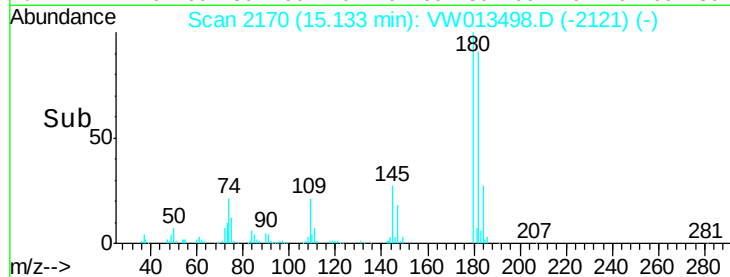
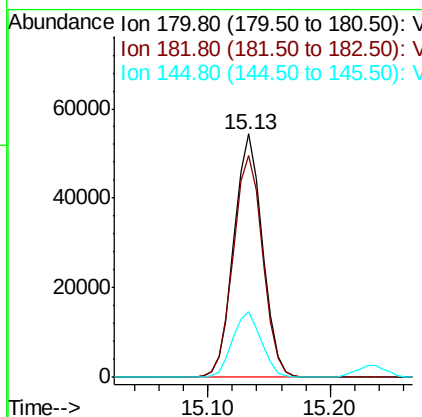
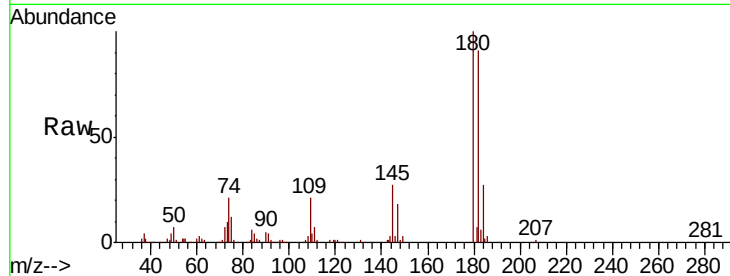
#93
 1,2,4-Trichlorobenzene
 Concen: 20.836 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1009SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.1	47.7	143.1	
145	27.2	14.0	41.9	

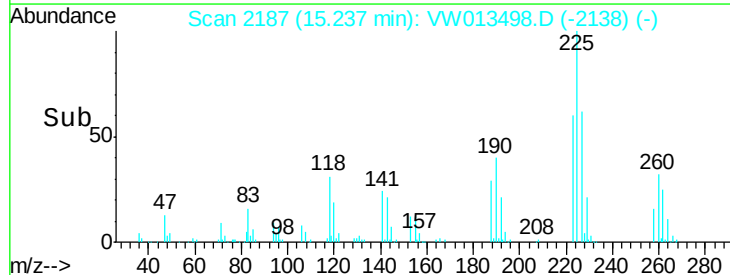
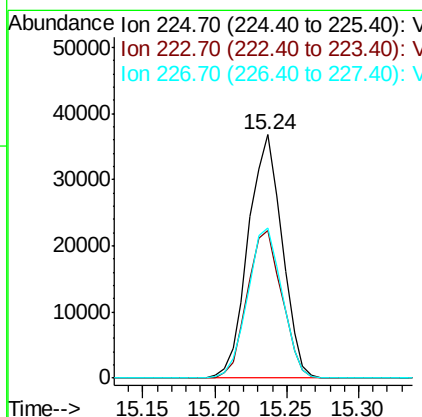
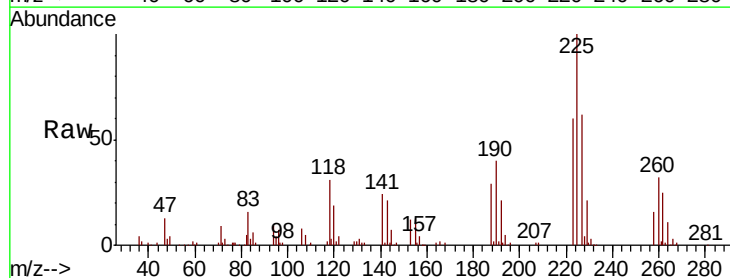
Manual Integrations
 APPROVED

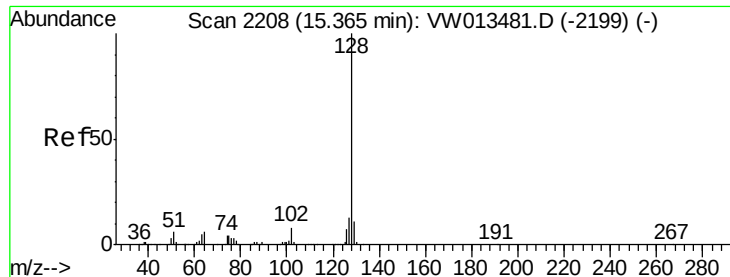
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 21.423 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013498.D
 Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	30.3	90.9	
227	62.8	32.0	96.0	





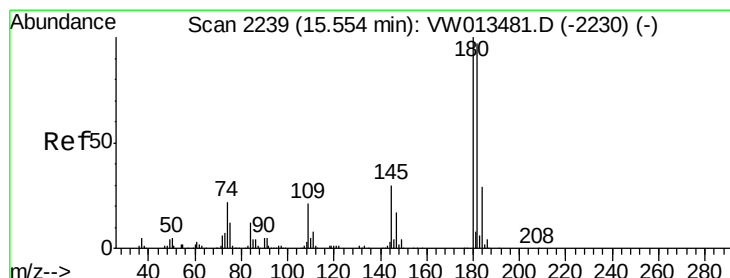
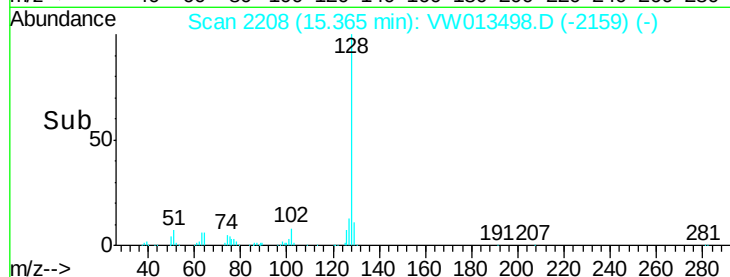
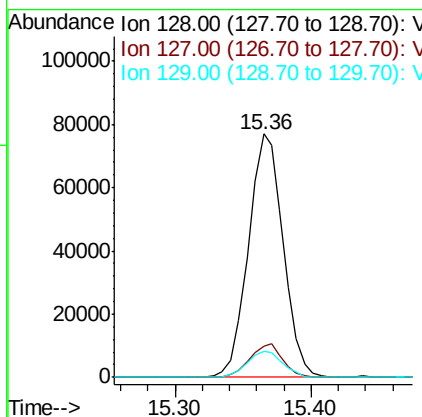
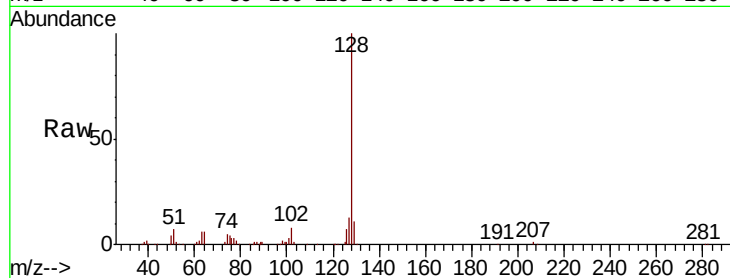
#95
Naphthalene
Concen: 18.928 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW1009SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/11/2019 4:40:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.114 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013498.D
Acq: 09 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.7	143.1
145	29.6	14.9	44.9

